



INDEX

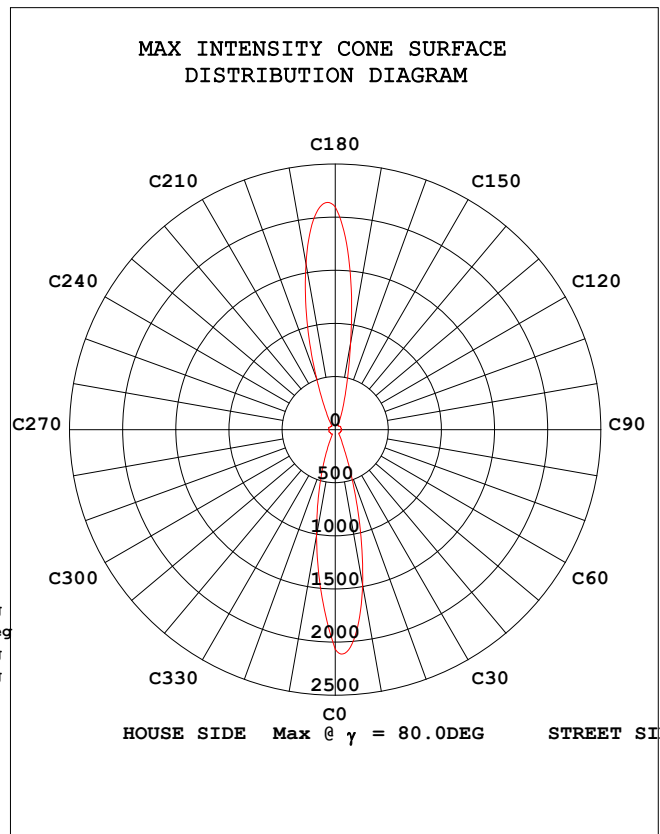
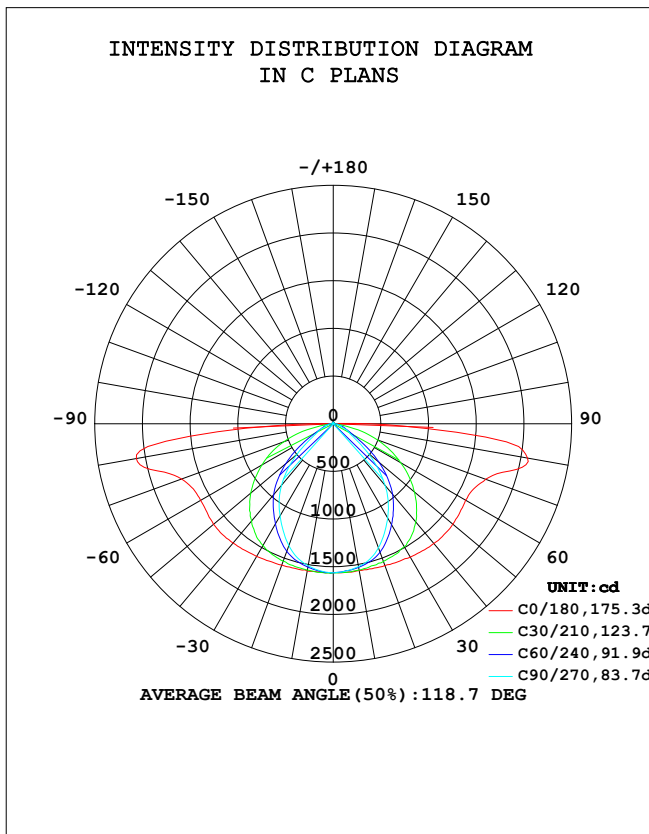
CONTENT	Pg. No.
1. GONIOPHOTOMETERS SYSTEM TEST REPORT - 3000K	1 - 8
2. GONIOPHOTOMETERS SYSTEM TEST REPORT - 4000K	9 - 16
3. GONIOPHOTOMETERS SYSTEM TEST REPORT - 5000K	17 - 24
4. GONIOPHOTOMETERS SYSTEM TEST REPORT - 5700K	25 - 32



STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:220.9V I:0.1777A P:37.54W PF:0.9566 Lamp Flux:4767x1 lm		
NAME: Nayan	TYPE:LED Street Lights	WEIGHT:
SPEC.:3000K 2209	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 127.00 lm/W			
MODEL	3H 1X12	I _{max} (cd)	2097	η street_up(%)	0.7
NOMINAL POWER(W)	37.5375	LOR(%)	100.0	η street_down(%)	49.1
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	4767	η house_up(%)	0.7
NOMINAL FLUX(lm)	4767	MAXIMUM @ (C,γ)	180,80.0	η house_down(%)	49.5
LAMPS INSIDE	1	η up(%)	1.4	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	220.9	η down(%)	98.6	SLI	21.776



C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:24.7DEG
 Operators:fengchengzhang
 Test Date:2016-09-23

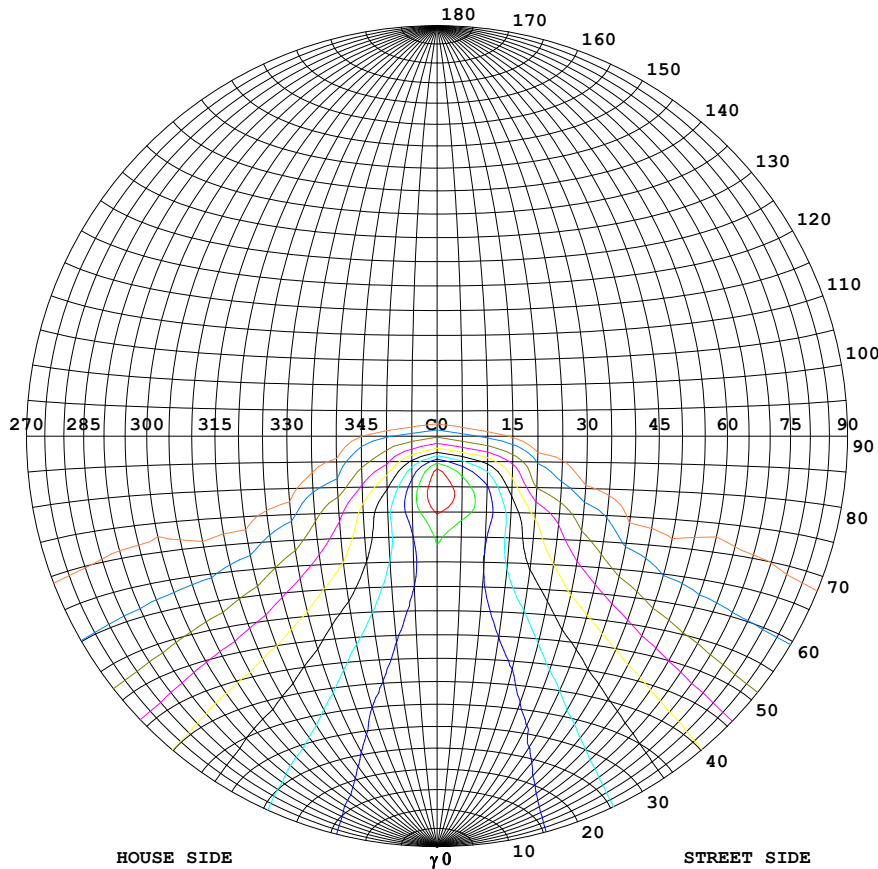
γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.281
 Humidity:62%
 Test Distance:18.400m [K=1.0000]
 Remarks:

Note: SLI:Specific Luminaire Index



STREETLIGHT ISOCANDELA DIAGRAM

Test:U:220.9V I:0.1777A P:37.54W PF:0.9566 Lamp Flux:4767x1 lm		
NAME: Nayan	TYPE:LED Street Lights	WEIGHT:
SPEC.:3000K 2209	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:



Classification:

IES:Type V - Long
 CIE:Narrow - Long
 IES:None cut-off
 CIE:Non-cut-off
 Max.At80:440.0cd/klm
 Max.At90:81.17cd/klm
 Max.80-90:440.0cd/klm

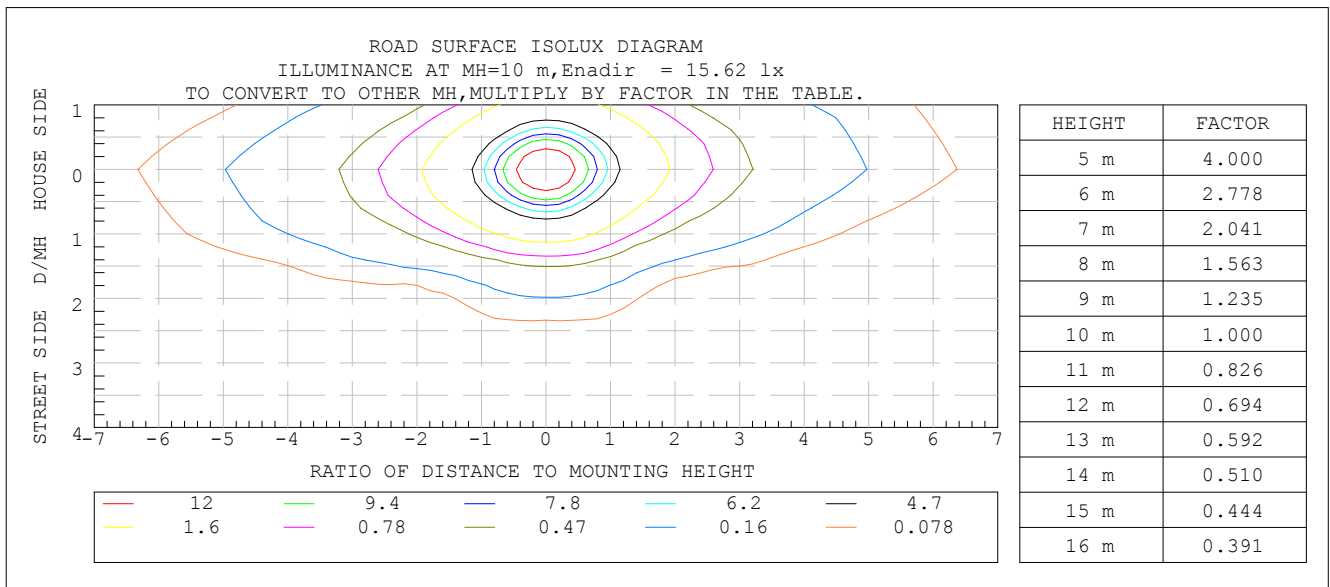
ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	2097
90%	1888
80%	1678
70%	1468
60%	1258
50%	1049
40%	839
30%	629
20%	419
10%	210
5%	105

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:24.7DEG
 Operators:fengchengzhang
 Test Date:2016-09-23

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.281
 Humidity:62%
 Test Distance:18.400m [K=1.0000]
 Remarks:



COEFFICIENT OF UTILIZATION CURVE
AND ISOLUX DIAGRAM



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 24.7DEG
Operators: fengchengzhang
Test Date: 2016-09-23

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.281
Humidity: 62%
Test Distance: 18.400m [K=1.0000]
Remarks:



ZONAL FLUX DIAGRAM

Test:U:220.9V I:0.1777A P:37.54W PF:0.9566 Lamp Flux:4767x1 lm		
NAME: Nayan	TYPE:LED Street Lights	WEIGHT:
SPEC.:3000K 2209	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	1563	1540	1522	1540	1568	1540	1512	1533	0- 10	148.1	148.1	3.11,3.11
20	1583	1485	1385	1477	1578	1477	1362	1454	10- 20	427.9	576.0	12.1,12.1
30	1615	1341	1141	1315	1606	1334	1116	1281	20- 30	652.3	1228	25.8,25.8
40	1640	1114	847.0	1080	1634	1116	843.9	1050	30- 40	787.8	2016	42.3,42.3
50	1637	832.1	471.2	780.6	1640	857.4	494.5	770.6	40- 50	806.3	2822	59.2,59.2
60	1603	464.3	203.1	406.4	1607	509.0	211.1	411.9	50- 60	691.6	3514	73.7,73.7
70	1702	152.9	86.31	129.1	1694	173.0	92.55	131.9	60- 70	538.0	4052	85,85
80	2067	51.64	51.29	48.69	2097	50.46	55.15	54.77	70- 80	430.7	4483	94,94
90	387.0	15.44	1.223	13.99	247.3	17.59	3.116	18.88	80- 90	218.4	4701	98.6,98.6
100	10.24	3.991	1.899	3.266	9.898	3.063	1.531	3.123	90-100	11.61	4713	98.9,98.9
110	11.94	6.387	3.377	5.453	11.27	5.095	2.840	5.241	100-110	5.849	4719	99,99
120	13.47	9.036	5.570	7.887	13.43	7.344	4.906	7.697	110-120	7.551	4726	99.1,99.1
130	15.06	11.68	8.257	10.26	15.92	9.612	7.362	10.33	120-130	8.818	4735	99.3,99.3
140	15.82	13.98	11.15	12.34	16.76	11.90	10.26	12.82	130-140	9.314	4744	99.5,99.5
150	17.11	16.18	13.85	14.58	17.32	14.13	12.59	15.04	140-150	8.830	4753	99.7,99.7
160	17.97	17.78	16.04	16.34	18.08	16.29	15.18	16.94	150-160	7.389	4760	99.9,99.9
170	18.94	18.68	17.57	17.85	19.01	17.98	17.27	18.16	160-170	4.956	4765	100,100
180	19.44	18.91	18.26	18.76	19.42	18.91	18.30	18.76	170-180	1.760	4767	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

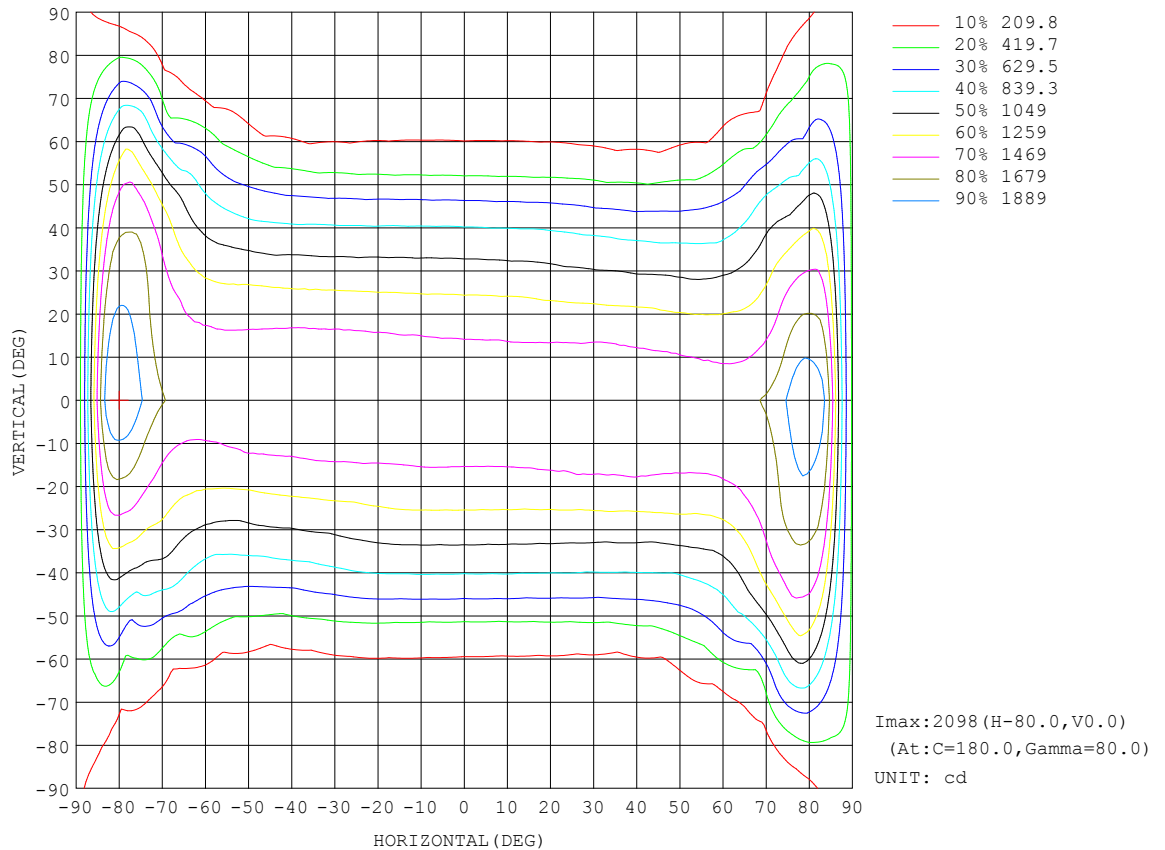
C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:24.7DEG
 Operators:fengchengzhang
 Test Date:2016-09-23

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.281
 Humidity:62%
 Test Distance:18.400m [K=1.0000]
 Remarks:



ISOCANDELA DIAGRAM

Test:U:220.9V I:0.1777A P:37.54W PF:0.9566 Lamp Flux:4767x1 lm		
NAME: Nayan	TYPE:LED Street Lights	WEIGHT:
SPEC.:3000K 2209	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

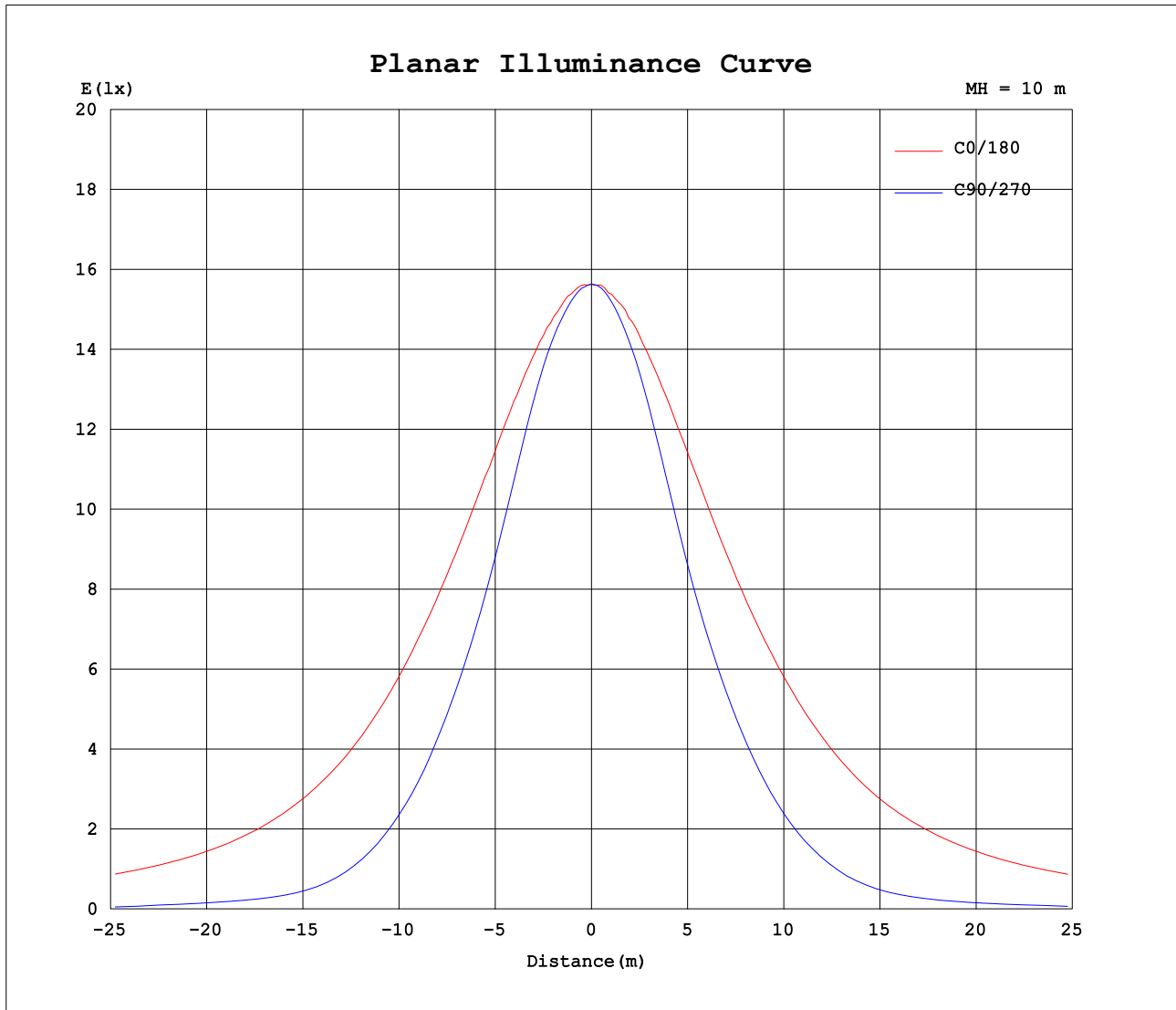


C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:24.7DEG
 Operators:fengchengzhang
 Test Date:2016-09-23

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.281
 Humidity:62%
 Test Distance:18.400m [K=1.0000]
 Remarks:



Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:24.7DEG
Operators:fengchengzhang
Test Date:2016-09-23

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.281
Humidity:62%
Test Distance:18.400m [K=1.0000]
Remarks:



LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.9V I:0.1777A P:37.54W PF:0.9566 Lamp Flux:4767x1 lm		
NAME: Nayan	TYPE:LED Street Lights	WEIGHT:
SPEC.:3000K 2209	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

Table--1

UNIT: cd

C (DEG) \ γ (DEG)	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
0	1563	1563	1563	1563	1563	1563	1563	1563	1563	1563	1563	1563	1563	1563	1563	1563	1563	1563	1563
5	1564	1560	1565	1566	1557	1553	1548	1551	1551	1550	1552	1552	1554	1556	1557	1560	1559	1563	1559
10	1563	1565	1561	1558	1544	1536	1529	1525	1525	1522	1523	1527	1533	1538	1543	1551	1556	1563	1568
15	1575	1566	1562	1543	1524	1508	1496	1484	1476	1473	1477	1487	1499	1511	1523	1537	1551	1565	1569
20	1583	1572	1560	1537	1502	1467	1435	1406	1391	1385	1391	1412	1437	1463	1491	1517	1544	1570	1578
25	1599	1585	1558	1520	1460	1394	1337	1301	1277	1269	1277	1303	1343	1383	1434	1490	1534	1569	1589
30	1615	1598	1551	1489	1388	1295	1224	1178	1151	1141	1152	1182	1229	1281	1348	1439	1517	1573	1606
35	1627	1607	1537	1431	1290	1179	1101	1049	1017	1007	1018	1055	1106	1163	1242	1360	1480	1565	1619
40	1640	1602	1504	1346	1172	1057	968	904	862	847	865	909	972	1040	1121	1262	1423	1555	1634
45	1644	1591	1451	1235	1052	921	808	726	683	666	687	732	814	897	993	1141	1343	1529	1643
50	1637	1562	1373	1112	916	749	626	536	487	471	492	544	633	721	840	1014	1242	1482	1640
55	1622	1525	1272	972	750	559	431	348	306	296	311	357	439	534	664	866	1111	1427	1617
60	1603	1483	1155	815	566	363	261	220	205	203	210	228	273	344	469	696	967	1357	1607
65	1623	1464	1023	661	362	203	170	165	163	159	164	170	178	196	274	514	831	1286	1619
70	1702	1486	924	488	187	119	123	114	93.6	86.3	93.0	113	128	120	139	316	702	1248	1694
75	1916	1576	778	311	88.6	77.7	80.9	73.0	84.3	78.9	92.1	72.0	80.4	80.2	80.0	143	507	1159	1912
80	2067	1488	412	118	53.9	49.4	55.6	53.1	62.0	51.3	60.1	54.7	60.4	50.5	46.9	53.5	204	833	2097
85	1605	969	197	33.9	29.6	30.0	32.7	40.3	46.1	4.50	44.9	42.3	32.7	30.2	29.9	28.7	50.4	345	1510
90	387	167	20.5	16.9	14.8	16.1	15.0	14.1	3.15	1.22	3.16	13.5	13.0	14.6	13.4	15.5	15.8	48.6	247
95	16.0	13.5	9.32	5.94	3.70	2.35	1.57	1.44	1.32	1.45	1.53	1.46	1.46	2.03	2.72	4.88	7.73	10.8	14.2
100	10.2	9.77	8.76	7.07	4.76	3.22	2.26	1.97	1.77	1.90	1.79	1.96	2.11	2.83	3.70	5.75	7.86	9.53	9.90
105	11.0	10.8	10.1	8.33	6.02	4.29	3.17	2.74	2.46	2.52	2.42	2.72	2.95	3.81	4.83	6.92	9.06	10.5	10.4
110	11.9	12.4	11.8	9.83	7.34	5.44	4.26	3.70	3.37	3.38	3.27	3.60	3.98	4.91	5.99	7.99	9.94	11.3	11.3
115	12.7	13.6	13.2	11.1	8.63	6.72	5.45	4.80	4.40	4.39	4.34	4.70	5.19	6.12	7.20	8.97	10.5	11.7	12.2
120	13.5	14.5	14.3	12.2	9.98	8.09	6.77	6.05	5.60	5.57	5.53	5.91	6.46	7.40	8.37	9.88	11.2	12.2	13.4
125	14.3	15.2	14.9	13.2	11.2	9.48	8.21	7.40	6.96	6.86	6.83	7.21	7.79	8.66	9.51	10.7	11.9	13.0	14.7
130	15.1	15.8	15.5	14.1	12.5	10.9	9.67	8.81	8.40	8.26	8.24	8.53	9.12	9.89	10.6	11.6	12.7	13.7	15.9
135	15.5	16.1	15.9	14.9	13.6	12.2	11.1	10.3	9.89	9.72	9.66	9.88	10.4	11.0	11.7	12.5	13.4	14.4	16.5
140	15.8	16.3	16.3	15.6	14.6	13.4	12.4	11.7	11.4	11.1	11.1	11.2	11.5	12.0	12.7	13.4	14.1	14.8	16.8
145	16.4	16.8	16.9	16.4	15.5	14.6	13.7	13.1	12.8	11.8	12.5	12.5	12.7	13.1	13.6	14.3	15.1	15.6	17.0
150	17.1	17.6	17.7	17.2	16.6	15.8	15.2	14.5	14.2	13.8	13.8	13.8	14.1	14.4	14.8	15.4	16.0	16.6	17.3
155	17.5	18.0	18.1	17.8	17.4	16.8	16.3	15.7	15.4	15.0	14.9	14.9	15.2	15.4	15.6	16.0	16.5	17.0	17.7
160	18.0	18.4	18.5	18.4	18.0	17.6	17.1	16.7	16.3	16.0	16.0	15.9	16.2	16.2	16.5	16.7	17.1	17.5	18.1
165	18.4	18.9	18.9	18.8	18.5	18.1	17.8	17.5	17.2	16.9	16.9	16.8	17.0	17.1	17.2	17.4	17.7	18.1	18.5
170	18.9	19.1	19.1	19.0	18.8	18.6	18.3	18.1	17.8	17.6	17.5	17.5	17.7	17.8	17.9	18.0	18.2	18.6	19.0
175	19.2	19.2	19.2	19.1	19.0	18.8	18.6	18.5	18.2	18.0	18.0	17.9	18.2	18.3	18.4	18.5	18.7	19.0	19.3
180	19.4	19.4	19.3	19.1	19.0	18.8	18.7	18.6	18.4	18.3	18.3	18.3	18.6	18.7	18.8	18.9	19.0	19.1	19.4

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:24.7DEG
 Operators:fengchengzhang
 Test Date:2016-09-23

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.281
 Humidity:62%
 Test Distance:18.400m [K=1.0000]
 Remarks:



LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.9V I:0.1777A P:37.54W PF:0.9566 Lamp Flux:4767x1 lm		
NAME: Nayan	TYPE:LED Street Lights	WEIGHT:
SPEC.:3000K 2209	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

Table--2

UNIT: cd

C (DEG) \ γ (DEG)	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350		
0	1563	1563	1563	1563	1563	1563	1563	1563	1563	1563	1563	1563	1563	1563	1563	1563	1563		
5	1563	1566	1565	1558	1557	1553	1551	1550	1549	1549	1549	1553	1553	1557	1559	1560	1563		
10	1565	1564	1559	1544	1536	1527	1520	1517	1512	1513	1517	1523	1529	1538	1543	1553	1563		
15	1570	1564	1550	1528	1504	1488	1472	1464	1455	1458	1466	1480	1492	1511	1527	1548	1563		
20	1574	1562	1534	1495	1459	1423	1391	1372	1362	1366	1382	1411	1436	1473	1505	1536	1564		
25	1582	1558	1514	1453	1384	1326	1282	1256	1242	1249	1269	1310	1350	1410	1473	1523	1567		
30	1590	1545	1474	1383	1286	1212	1161	1131	1116	1122	1144	1190	1241	1321	1416	1500	1561		
35	1593	1524	1419	1286	1172	1095	1039	1006	989	996	1022	1070	1122	1213	1336	1467	1556		
40	1590	1489	1334	1178	1055	973	904	865	844	850	885	943	1002	1099	1236	1409	1534		
45	1574	1434	1240	1063	930	819	744	693	675	681	724	788	868	980	1125	1324	1501		
50	1549	1364	1129	937	778	650	567	515	494	504	545	616	705	836	1003	1225	1457		
55	1508	1282	1000	782	602	466	380	337	319	329	363	434	524	668	864	1107	1399		
60	1471	1177	863	612	407	292	237	219	211	217	231	273	337	486	713	976	1332		
65	1456	1068	719	418	228	173	169	168	163	166	167	172	193	299	538	844	1263		
70	1479	990	551	227	119	121	131	105	92.5	100	123	120	114	150	340	718	1222		
75	1599	889	371	94.9	78.2	92.0	72.5	77.5	81.9	79.9	70.0	88.7	80.1	78.4	166	575	1222		
80	1586	515	145	48.5	52.4	52.3	65.0	62.3	55.2	61.5	62.7	54.7	56.1	53.4	64.6	291	1018		
85	1046	227	36.4	27.9	33.1	35.9	40.9	46.1	36.0	44.2	43.5	34.7	33.4	33.1	30.2	123	574		
90	137	26.3	17.2	16.1	19.0	18.5	15.9	16.0	3.12	9.33	13.9	16.5	19.2	18.5	17.8	18.4	187		
95	14.0	10.4	7.33	4.06	1.80	1.38	1.15	1.24	1.15	1.29	1.28	1.53	1.94	3.60	6.58	9.36	15.8		
100	9.19	7.76	5.68	3.77	2.36	1.87	1.52	1.55	1.53	1.68	1.67	2.13	2.52	3.73	5.56	7.62	9.05		
105	9.82	8.69	6.81	4.81	3.27	2.59	2.11	2.14	2.05	2.25	2.35	2.94	3.46	4.81	6.72	8.73	9.93		
110	10.5	9.62	7.84	5.88	4.31	3.53	2.95	2.87	2.84	3.04	3.25	3.93	4.53	5.96	7.91	9.98	11.2		
115	11.3	10.4	8.76	6.98	5.48	4.64	3.96	3.83	3.77	4.02	4.29	5.01	5.72	7.18	9.16	11.2	12.5		
120	12.4	11.2	9.63	8.05	6.64	5.75	5.12	5.28	4.91	5.14	5.48	6.26	6.97	8.42	10.3	12.3	13.6		
125	13.5	12.1	10.6	9.10	7.85	6.97	6.37	6.13	6.06	6.34	6.78	7.60	8.33	9.69	11.4	13.1	14.5		
130	14.7	13.0	11.6	10.2	9.06	8.26	7.65	7.46	7.36	7.63	8.18	8.98	9.73	10.9	12.4	13.8	15.2		
135	15.5	14.0	12.5	11.3	10.3	9.52	8.98	8.85	8.88	9.09	9.99	10.4	11.1	12.1	13.4	14.6	15.8		
140	16.0	14.8	13.6	12.4	11.4	10.8	10.4	10.2	10.3	10.5	11.0	11.7	12.4	13.3	14.3	15.4	16.3		
145	16.5	15.6	14.5	13.4	12.6	12.1	11.6	11.3	11.2	11.5	12.1	12.9	13.5	14.4	15.3	16.2	16.8		
150	17.0	16.3	15.4	14.5	13.8	13.3	13.0	12.7	12.6	12.9	13.4	14.2	14.7	15.4	16.2	16.9	17.3		
155	17.3	16.8	16.1	15.5	15.0	14.6	14.3	13.9	13.9	14.2	14.6	15.4	15.8	16.3	16.9	17.4	17.7		
160	17.8	17.4	16.9	16.5	16.1	15.8	15.5	15.2	15.2	15.4	15.7	16.4	16.8	17.1	17.5	18.0	18.2		
165	18.3	18.0	17.7	17.3	17.1	16.9	16.6	16.4	16.3	16.5	16.7	17.2	17.5	17.8	18.1	18.4	18.6		
170	18.8	18.5	18.3	18.1	17.9	17.7	17.5	17.3	17.3	17.4	17.5	17.9	18.1	18.2	18.5	18.7	18.9		
175	19.1	19.0	18.8	18.6	18.5	18.3	18.2	18.0	17.9	18.0	18.0	18.4	18.5	18.6	18.7	18.9	19.0		
180	19.3	19.3	19.1	19.0	18.8	18.7	18.6	18.4	18.3	18.3	18.3	18.6	18.7	18.8	18.9	19.0	19.1		

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:24.7DEG
Operators:fengchengzhang
Test Date:2016-09-23

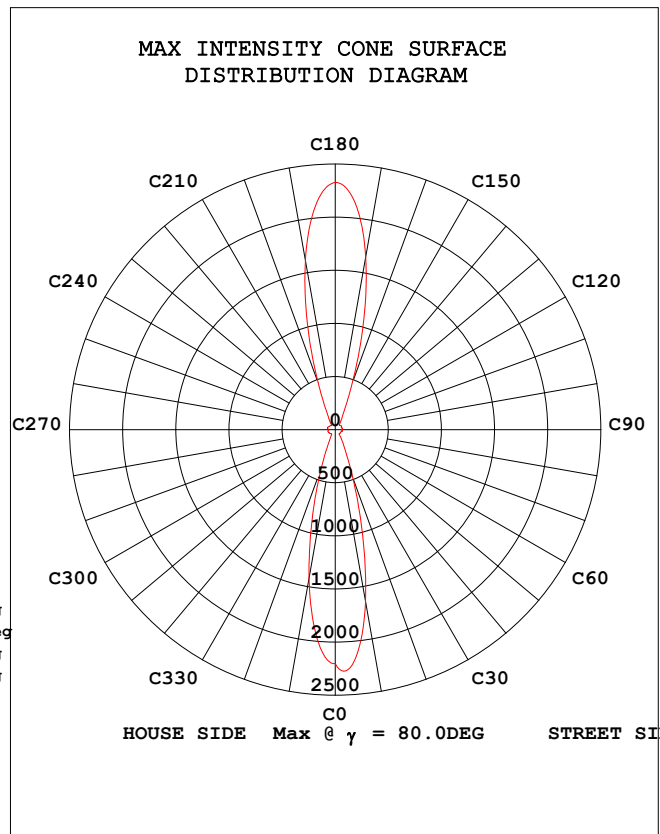
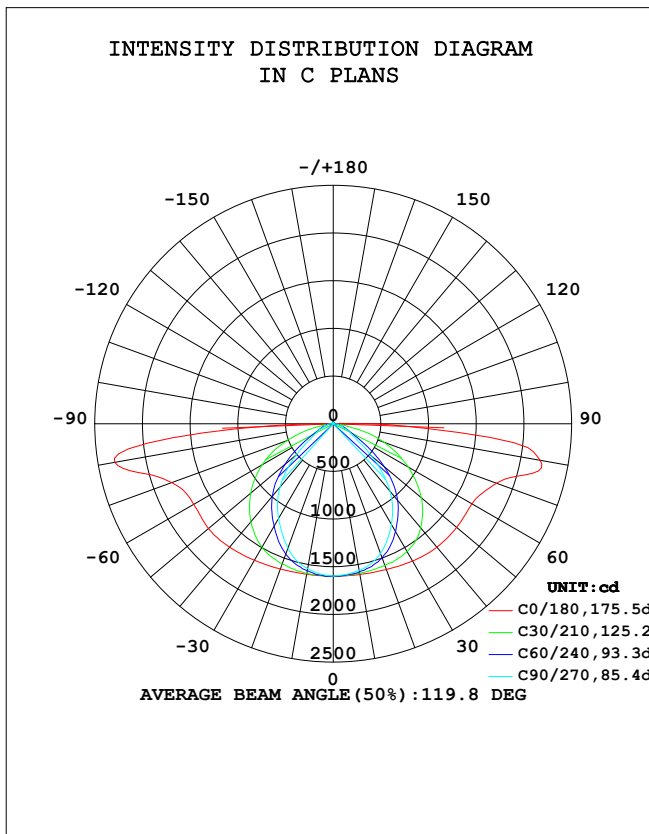
γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.281
Humidity:62%
Test Distance:18.400m [K=1.0000]
Remarks:



STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:220.9V I:0.1841A P:39.01W PF:0.9593 Lamp Flux:5152x1 lm		
NAME: Nayan	TYPE:LED Street Lights	WEIGHT:
SPEC.:4000K 2209	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 132.08 lm/W			
MODEL	3H 1X12	I _{max} (cd)	2327	η street_up(%)	0.7
NOMINAL POWER(W)	39.0075	LOR(%)	100.0	η street_down(%)	50.5
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	5152	η house_up(%)	0.7
NOMINAL FLUX(lm)	5152	MAXIMUM @ (C,γ)	180,80.0	η house_down(%)	48.1
LAMPS INSIDE	1	η up(%)	1.4	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	220.9	η down(%)	98.6	SLI	21.875



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:24.7DEG
Operators:fengchengzhang
Test Date:2016-09-23

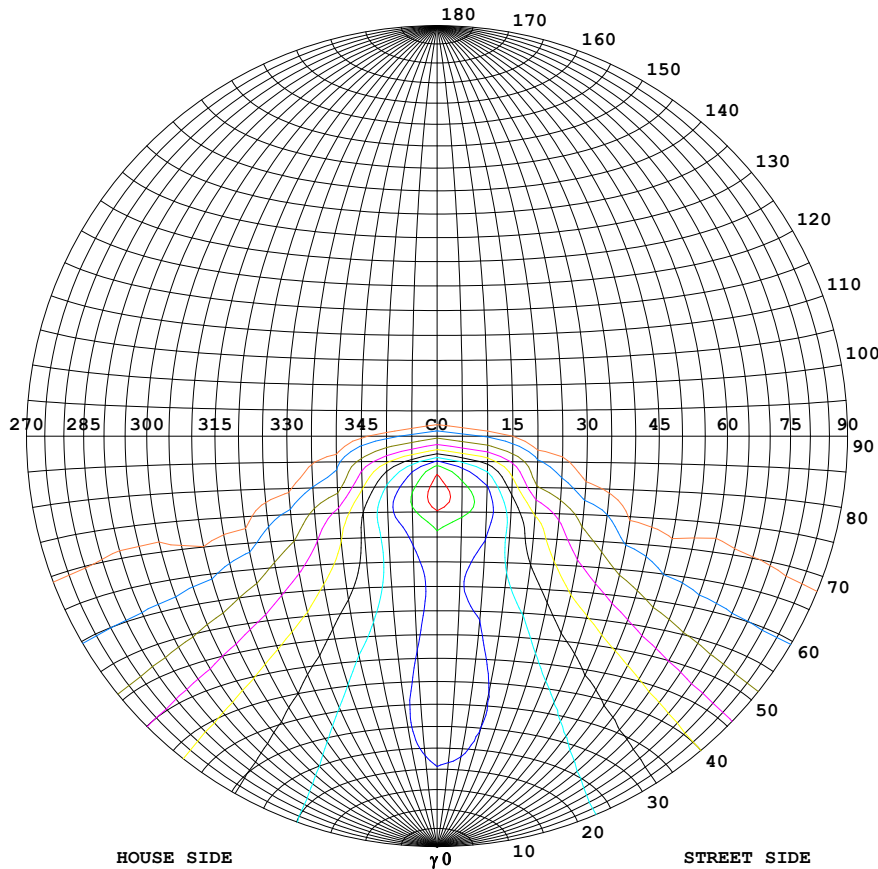
γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.281
Humidity:63%
Test Distance:18.400m [K=1.0000]
Remarks:

Note: SLI:Specific Luminaire Index



STREETLIGHT ISOCANDELA DIAGRAM

Test:U:220.9V I:0.1841A P:39.01W PF:0.9593 Lamp Flux:5152x1 lm		
NAME: Nayan	TYPE:LED Street Lights	WEIGHT:
SPEC.:4000K 2209	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:



Classification:

IES:Type III - Long
 CIE:Narrow - Long
 IES:None cut-off
 CIE:Non-cut-off
 Max.At80:451.6cd/klm
 Max.At90:77.60cd/klm
 Max.80-90:451.6cd/klm

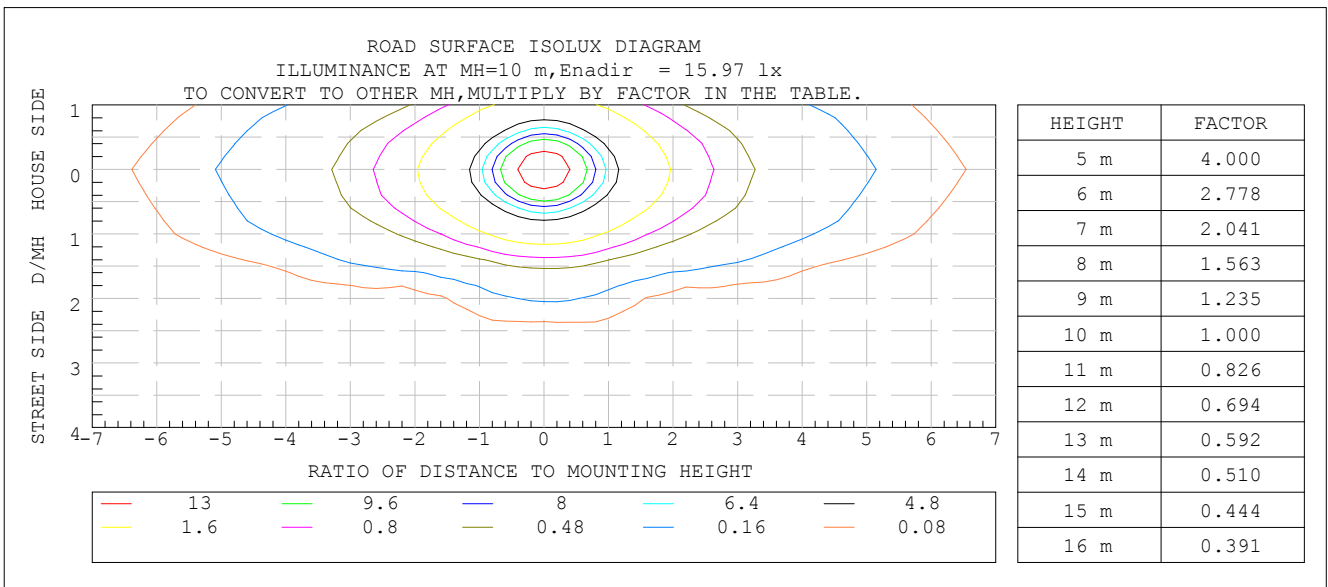
ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	2327
90%	2094
80%	1861
70%	1629
60%	1396
50%	1163
40%	931
30%	698
20%	465
10%	233
5%	116

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:24.7DEG
 Operators:fengchengzhang
 Test Date:2016-09-23

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.281
 Humidity:63%
 Test Distance:18.400m [K=1.0000]
 Remarks:



COEFFICIENT OF UTILIZATION CURVE
AND ISOLUX DIAGRAM



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 24.7DEG
Operators: fengchengzhang
Test Date: 2016-09-23

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.281
Humidity: 63%
Test Distance: 18.400m [K=1.0000]
Remarks:



ZONAL FLUX DIAGRAM

Test:U:220.9V I:0.1841A P:39.01W PF:0.9593 Lamp Flux:5152x1 lm		
NAME: Nayan	TYPE:LED Street Lights	WEIGHT:
SPEC.:4000K 2209	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	1606	1582	1562	1584	1603	1578	1545	1573	0- 10	151.6	151.6	2.94,2.94
20	1627	1539	1447	1541	1621	1509	1390	1500	10- 20	440.1	591.7	11.5,11.5
30	1662	1419	1220	1423	1653	1355	1147	1335	20- 30	677.0	1269	24.6,24.6
40	1690	1202	928.6	1210	1690	1130	868.9	1109	30- 40	827.4	2096	40.7,40.7
50	1690	914.6	527.5	922.8	1709	864.1	504.7	831.6	40- 50	858.5	2955	57.4,57.4
60	1681	523.4	225.3	540.3	1690	501.3	227.0	463.6	50- 60	751.9	3707	71.9,71.9
70	1823	175.8	95.13	183.6	1804	169.0	104.8	147.6	60- 70	605.3	4312	83.7,83.7
80	2202	57.68	58.56	61.10	2327	57.58	62.24	55.41	70- 80	505.2	4817	93.5,93.5
90	399.8	16.66	1.347	19.90	223.4	21.32	4.996	17.89	80- 90	264.4	5081	98.6,98.6
100	10.84	4.003	2.050	3.702	10.63	3.419	1.683	4.157	90-100	12.82	5094	98.9,98.9
110	12.68	6.444	3.550	5.975	11.98	5.648	3.126	6.529	100-110	6.397	5101	99,99
120	14.35	9.138	5.767	8.437	14.22	8.012	5.385	9.089	110-120	8.150	5109	99.2,99.2
130	15.93	11.84	8.507	10.77	16.78	10.38	8.009	11.68	120-130	9.408	5118	99.3,99.3
140	16.62	14.26	11.46	12.83	17.61	12.68	11.00	14.07	130-140	9.847	5128	99.5,99.5
150	17.86	16.57	14.20	15.04	18.05	14.93	13.34	16.18	140-150	9.258	5137	99.7,99.7
160	18.68	18.27	16.43	16.85	18.78	17.12	15.91	17.86	150-160	7.693	5145	99.9,99.9
170	19.62	19.24	18.03	18.38	19.68	18.74	17.96	18.89	160-170	5.137	5150	100,100
180	20.13	19.58	18.87	19.37	20.11	19.59	18.88	19.35	170-180	1.820	5152	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

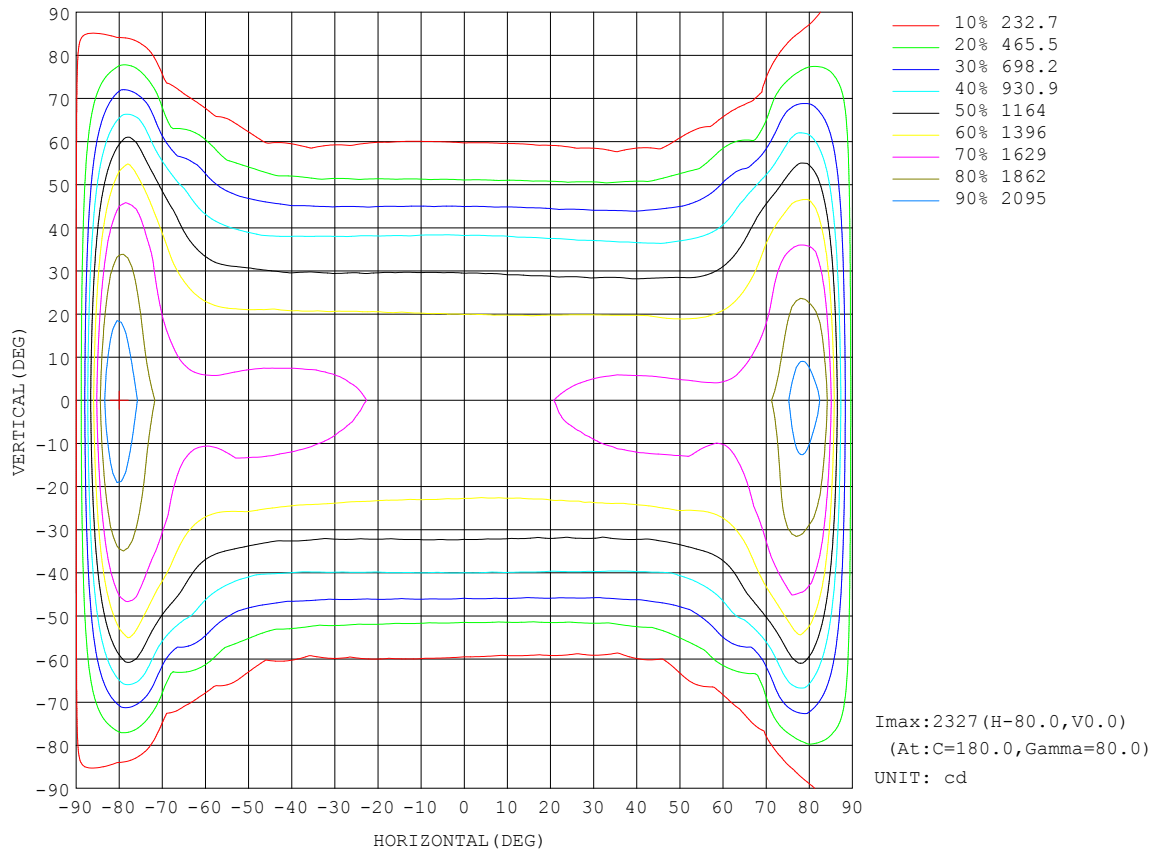
C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:24.7DEG
 Operators:fengchengzhang
 Test Date:2016-09-23

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.281
 Humidity:63%
 Test Distance:18.400m [K=1.0000]
 Remarks:



ISOCANDELA DIAGRAM

Test:U:220.9V I:0.1841A P:39.01W PF:0.9593 Lamp Flux:5152x1 lm		
NAME: Nayan	TYPE:LED Street Lights	WEIGHT:
SPEC.:4000K 2209	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

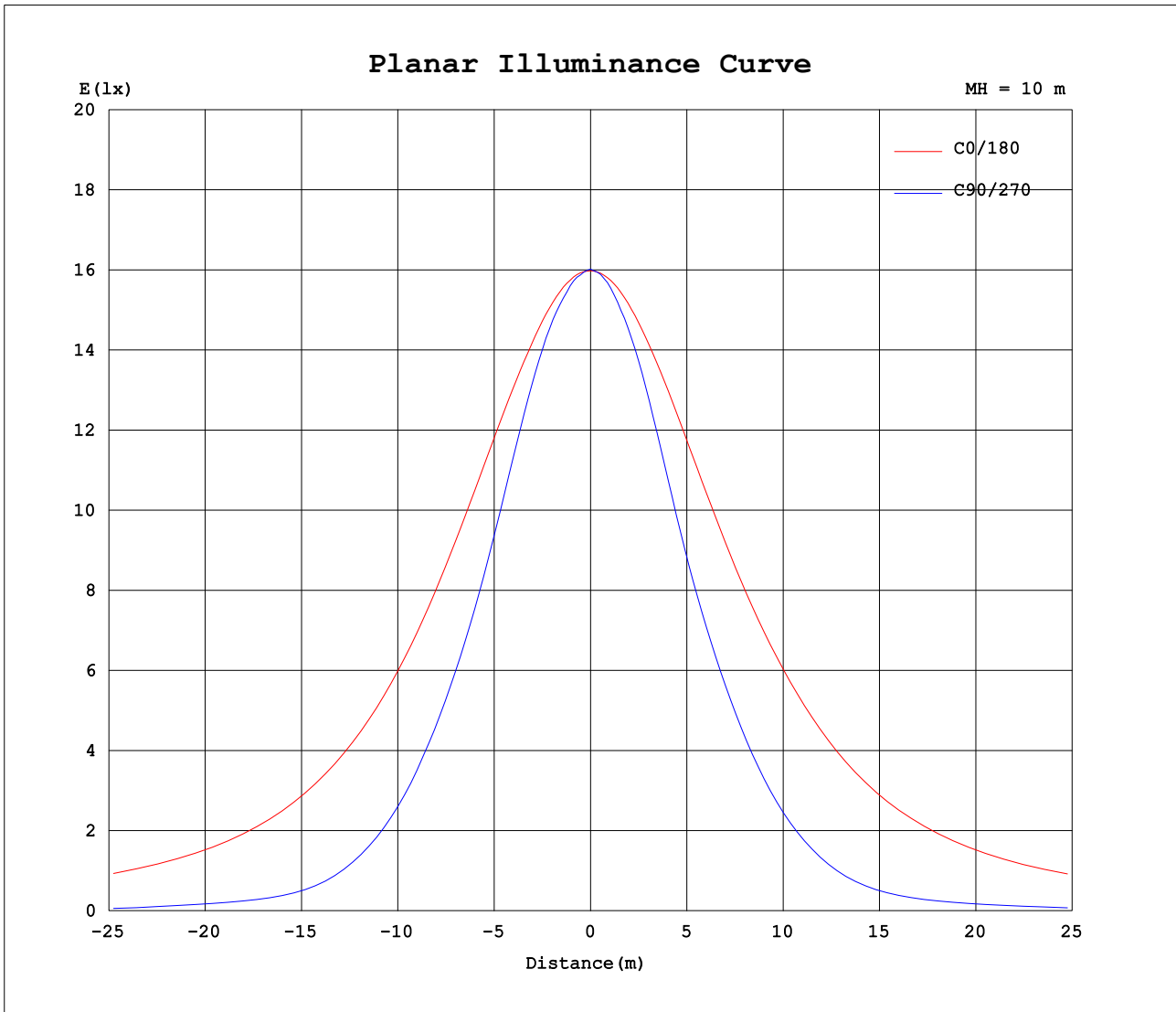


C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:24.7DEG
 Operators:fengchengzhang
 Test Date:2016-09-23

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.281
 Humidity:63%
 Test Distance:18.400m [K=1.0000]
 Remarks:



Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 24.7DEG
Operators: fengchengzhang
Test Date: 2016-09-23

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.281
Humidity: 63%
Test Distance: 18.400m [K=1.0000]
Remarks:



LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.9V I:0.1841A P:39.01W PF:0.9593 Lamp Flux:5152x1 lm		
NAME: Nayan	TYPE:LED Street Lights	WEIGHT:
SPEC.:4000K 2209	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

Table--1

UNIT: cd

C (DEG) \ γ (DEG)	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
0	1598	1598	1598	1598	1598	1598	1598	1598	1598	1598	1598	1598	1598	1598	1598	1598	1598	1598	1598
5	1601	1601	1600	1595	1595	1593	1590	1586	1586	1587	1587	1590	1592	1593	1594	1596	1598	1598	1599
10	1606	1603	1598	1592	1586	1579	1576	1570	1566	1562	1566	1571	1575	1581	1586	1592	1597	1601	1603
15	1614	1611	1601	1588	1577	1559	1550	1531	1524	1521	1526	1536	1548	1562	1574	1588	1599	1608	1609
20	1627	1621	1604	1583	1558	1520	1498	1471	1453	1447	1455	1474	1499	1527	1555	1581	1601	1618	1621
25	1644	1636	1607	1570	1522	1465	1415	1373	1348	1342	1353	1382	1419	1469	1522	1569	1604	1628	1636
30	1662	1651	1607	1549	1463	1375	1307	1254	1229	1220	1232	1265	1313	1382	1464	1547	1604	1642	1653
35	1679	1665	1600	1501	1374	1263	1183	1128	1096	1086	1098	1134	1189	1272	1380	1502	1598	1658	1672
40	1690	1670	1578	1428	1264	1140	1051	981	940	929	941	987	1054	1148	1272	1432	1577	1669	1690
45	1693	1664	1537	1325	1138	1005	888	800	754	734	758	806	894	1009	1145	1336	1537	1670	1706
50	1690	1646	1473	1205	999	831	695	594	544	528	551	608	706	840	1006	1218	1477	1655	1709
55	1682	1619	1388	1062	829	626	483	387	341	331	350	404	501	644	839	1077	1394	1624	1696
60	1681	1593	1280	908	636	411	292	242	226	225	235	256	310	433	647	920	1282	1593	1690
65	1724	1593	1161	741	417	230	186	180	178	177	185	191	200	245	431	749	1158	1580	1710
70	1823	1638	1068	563	219	133	136	120	102	95.1	104	126	144	141	226	559	1060	1613	1804
75	2077	1751	898	372	104	86.8	85.8	92.5	91.7	85.1	103	82.6	92.0	92.7	101	354	899	1697	2033
80	2202	1646	485	148	59.4	55.9	57.8	58.3	70.8	58.6	70.6	61.5	70.5	59.7	62.5	128	474	1653	2327
85	1658	1070	253	42.7	33.3	33.3	35.1	43.3	50.5	5.92	52.7	47.3	38.0	35.7	34.9	37.5	166	1047	1696
90	400	209	24.1	18.5	15.9	17.4	16.2	16.4	4.33	1.35	4.80	20.3	19.4	22.7	17.1	21.0	22.6	118	223
95	16.0	15.5	10.1	6.05	3.63	2.32	1.63	1.55	1.43	1.60	1.73	1.59	1.55	2.20	3.41	6.83	11.2	15.8	14.0
100	10.8	10.2	8.99	7.08	4.78	3.22	2.35	2.11	1.90	2.05	1.92	2.08	2.21	3.04	4.36	6.62	8.76	10.3	10.6
105	11.7	11.3	10.4	8.43	6.03	4.32	3.27	2.88	2.60	2.69	2.58	2.84	3.12	4.07	5.52	7.83	9.95	11.2	11.1
110	12.7	13.0	12.1	9.97	7.39	5.50	4.37	3.85	3.48	3.55	3.44	3.77	4.18	5.22	6.73	8.95	10.9	12.1	12.0
115	13.5	14.3	13.5	11.3	8.71	6.81	5.58	4.95	4.57	4.59	4.51	4.88	5.38	6.46	7.98	9.87	11.4	12.5	13.0
120	14.3	15.3	14.7	12.4	10.1	8.19	6.93	6.24	5.79	5.77	5.72	6.12	6.69	7.77	9.10	10.7	12.0	12.9	14.2
125	15.2	16.0	15.5	13.5	11.4	9.63	8.40	7.61	7.15	7.10	7.07	7.43	8.06	9.04	10.2	11.5	12.7	13.7	15.6
130	15.9	16.5	16.0	14.4	12.7	11.0	9.88	9.04	8.64	8.51	8.50	8.79	9.40	10.3	11.3	12.3	13.5	14.6	16.8
135	16.4	16.8	16.4	15.2	13.8	12.4	11.3	10.5	10.1	9.99	9.95	10.2	10.7	11.4	12.3	13.2	14.2	15.2	17.4
140	16.6	17.0	16.8	16.0	14.9	13.7	12.7	12.0	11.7	11.5	11.4	11.5	11.8	12.4	13.2	14.0	14.9	15.6	17.6
145	17.1	17.5	17.4	16.7	15.9	14.9	14.1	13.4	13.1	12.9	12.8	12.8	13.1	13.5	14.2	14.9	15.8	16.3	17.8
150	17.9	18.2	18.2	17.6	17.0	16.2	15.5	14.9	14.5	14.2	14.1	14.2	14.5	14.8	15.3	15.9	16.7	17.2	18.0
155	18.2	18.6	18.6	18.2	17.8	17.2	16.7	16.1	15.7	15.4	15.3	15.3	15.6	15.8	16.2	16.6	17.1	17.6	18.4
160	18.7	19.0	19.1	18.8	18.5	18.1	17.6	17.1	16.7	16.4	16.4	16.3	16.6	16.7	17.0	17.3	17.7	18.1	18.8
165	19.1	19.5	19.4	19.2	19.0	18.6	18.4	18.0	17.6	17.4	17.3	17.2	17.5	17.6	17.7	17.9	18.3	18.6	19.2
170	19.6	19.8	19.7	19.5	19.3	19.1	18.9	18.6	18.3	18.0	18.0	18.0	18.2	18.3	18.4	18.6	18.8	19.1	19.7
175	19.9	19.9	19.8	19.7	19.6	19.4	19.3	19.0	18.7	18.5	18.5	18.5	18.8	18.9	19.0	19.1	19.3	19.5	19.9
180	20.1	20.1	19.9	19.7	19.6	19.5	19.4	19.2	19.0	18.9	18.9	18.9	19.2	19.3	19.4	19.5	19.7	19.6	20.1

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:24.7DEG
 Operators:fengchengzhang
 Test Date:2016-09-23

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.281
 Humidity:63%
 Test Distance:18.400m [K=1.0000]
 Remarks:



LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.9V I:0.1841A P:39.01W PF:0.9593 Lamp Flux:5152x1 lm		
NAME: Nayan	TYPE:LED Street Lights	WEIGHT:
SPEC.:4000K 2209	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

Table--2

UNIT: cd

C (DEG) \ γ (DEG)	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350		
0	1598	1598	1598	1598	1598	1598	1598	1598	1598	1598	1598	1598	1598	1598	1598	1598	1598		
5	1599	1600	1596	1595	1592	1591	1587	1585	1583	1584	1586	1589	1590	1592	1596	1598	1601		
10	1602	1600	1593	1583	1573	1566	1554	1548	1545	1547	1552	1561	1569	1578	1589	1597	1603		
15	1609	1601	1580	1562	1540	1524	1501	1492	1486	1490	1502	1517	1535	1555	1576	1595	1609		
20	1618	1596	1566	1527	1490	1455	1421	1401	1390	1398	1414	1444	1479	1520	1558	1591	1616		
25	1625	1590	1538	1477	1413	1360	1310	1284	1269	1277	1301	1341	1395	1464	1531	1583	1623		
30	1629	1573	1494	1400	1310	1239	1187	1161	1147	1156	1179	1222	1289	1381	1482	1568	1625		
35	1630	1548	1429	1303	1193	1123	1068	1038	1021	1031	1057	1105	1173	1277	1409	1536	1620		
40	1621	1505	1343	1190	1070	994	924	889	869	884	916	976	1055	1163	1317	1485	1602		
45	1603	1443	1245	1078	946	839	758	710	693	705	749	815	920	1045	1209	1417	1577		
50	1576	1372	1129	947	782	659	577	525	505	518	565	639	756	907	1088	1329	1541		
55	1542	1286	1001	781	599	472	388	348	329	340	375	447	570	739	955	1228	1505		
60	1509	1177	860	602	401	300	254	237	227	231	243	280	371	557	808	1110	1471		
65	1495	1065	704	397	226	190	189	188	180	180	177	180	207	357	646	1004	1458		
70	1520	973	510	210	128	138	149	119	105	110	134	126	117	178	458	922	1489		
75	1618	836	324	89.7	89.6	108	82.8	91.1	103	95.6	76.4	97.3	80.6	82.5	272	759	1569		
80	1621	473	124	53.4	61.8	61.8	74.4	74.6	62.2	71.5	68.9	64.3	58.1	52.8	98.1	384	1425		
85	1058	190	33.2	32.5	39.7	41.3	50.3	57.2	42.4	54.3	49.6	38.4	35.6	32.6	32.8	181	885		
90	109	22.0	19.2	19.2	23.4	23.6	25.1	27.4	5.00	17.6	17.7	18.2	19.2	16.5	17.9	19.7	174		
95	14.2	11.1	8.20	4.41	2.04	1.54	1.29	1.35	1.29	1.45	1.41	1.73	2.44	4.47	7.76	10.1	13.2		
100	9.90	8.42	6.26	4.20	2.64	2.06	1.67	1.73	1.68	1.87	1.87	2.38	3.23	5.08	7.32	9.19	10.2		
105	10.5	9.40	7.49	5.36	3.66	2.88	2.32	2.32	2.29	2.50	2.64	3.28	4.35	6.26	8.54	10.3	11.0		
110	11.3	10.4	8.52	6.49	4.81	3.91	3.26	3.15	3.13	3.36	3.61	4.36	5.54	7.52	9.85	11.7	12.2		
115	12.0	11.1	9.47	7.63	6.04	5.09	4.37	4.19	4.24	4.44	4.75	5.58	6.82	8.61	11.1	13.0	13.5		
120	13.2	11.9	10.4	8.74	7.28	6.32	5.59	5.39	5.39	5.64	6.02	6.90	8.17	10.0	12.1	14.0	14.7		
125	14.4	12.8	11.3	9.81	8.54	7.64	6.91	6.69	6.63	6.94	7.44	8.31	9.61	11.2	13.1	14.8	15.7		
130	15.6	13.9	12.3	11.0	9.81	8.98	8.29	8.07	8.01	8.29	8.87	9.76	11.0	12.4	14.0	15.4	16.5		
135	16.4	14.8	13.3	12.1	11.0	10.3	9.68	9.55	9.58	9.80	10.4	11.2	12.3	13.5	14.8	16.0	17.1		
140	16.9	15.7	14.4	13.2	12.2	11.5	11.1	11.0	11.0	11.2	11.8	12.5	13.5	14.6	15.7	16.8	17.4		
145	17.3	16.4	15.3	14.2	13.4	12.8	12.4	12.1	11.9	12.3	12.9	13.8	14.7	15.6	16.6	17.4	17.8		
150	17.7	17.0	16.2	15.3	14.6	14.5	13.8	13.4	13.3	13.7	14.2	15.0	15.8	16.6	17.4	18.0	18.2		
155	18.1	17.5	16.9	16.3	15.8	15.4	15.1	14.7	14.7	15.0	15.4	16.2	16.8	17.4	18.0	18.5	18.5		
160	18.5	18.1	17.7	17.3	17.0	16.7	16.3	16.0	15.9	16.1	16.5	17.2	17.6	18.1	18.5	18.9	18.9		
165	19.0	18.7	18.4	18.1	17.9	17.7	17.4	17.1	17.0	17.2	17.4	18.0	18.3	18.6	18.9	19.2	19.3		
170	19.4	19.2	19.0	18.8	18.7	18.5	18.3	18.1	18.0	18.1	18.2	18.6	18.8	19.0	19.3	19.4	19.6		
175	19.8	19.6	19.4	19.3	19.2	19.1	18.9	18.7	18.6	18.6	18.7	19.0	19.2	19.2	19.4	19.5	19.6		
180	20.0	19.9	19.7	19.6	19.5	19.4	19.2	19.0	18.9	18.9	18.9	19.2	19.3	19.4	19.5	19.6	19.6		

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:24.7DEG
 Operators:fengchengzhang
 Test Date:2016-09-23

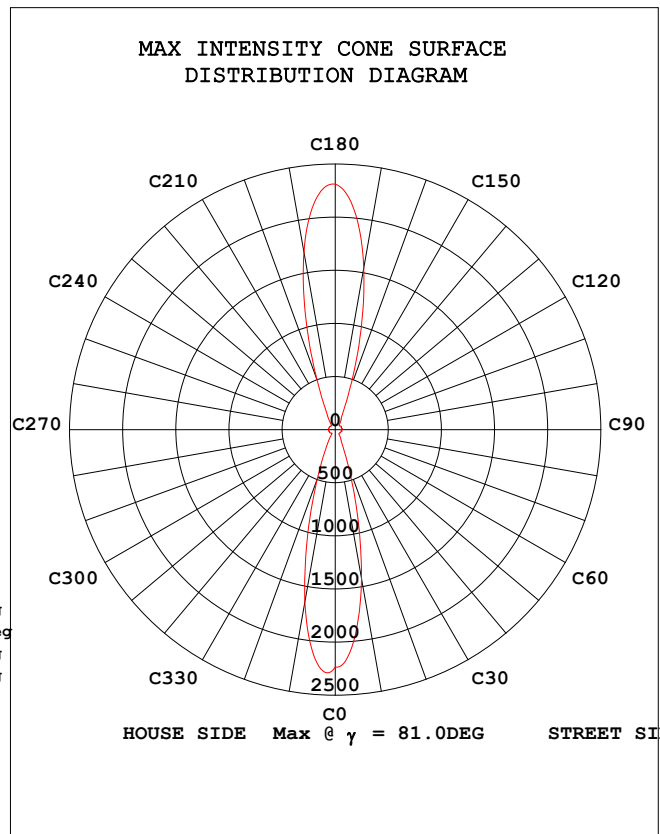
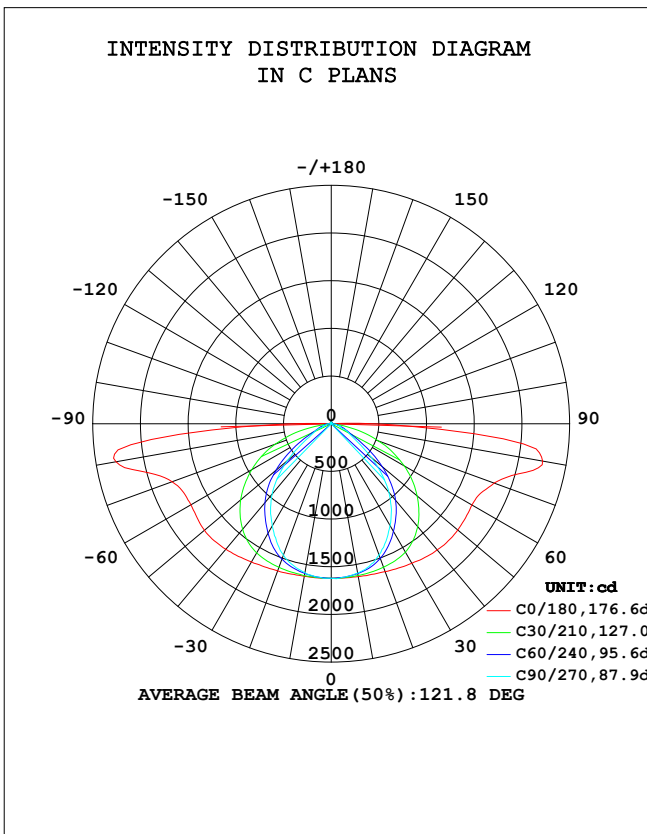
γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.281
 Humidity:63%
 Test Distance:18.400m [K=1.0000]
 Remarks:



STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:220.8V I:0.1835A P:38.79W PF:0.9572 Lamp Flux:5362x1 lm		
NAME: Nayan	TYPE:LED Street Lights	WEIGHT:
SPEC.:5000K 2209	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 138.24 lm/W			
MODEL	3H 1X12	I _{max} (cd)	2311	η street_up(%)	0.7
NOMINAL POWER(W)	38.7859	LOR(%)	100.0	η street_down(%)	48.4
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	5362	η house_up(%)	0.7
NOMINAL FLUX(lm)	5362	MAXIMUM @ (C,γ)	180,81.0	η house_down(%)	50.1
LAMPS INSIDE	1	η up(%)	1.4	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	220.8	η down(%)	98.6	SLI	21.867



C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.0DEG
 Operators:fengchengzhang
 Test Date:2016-09-23

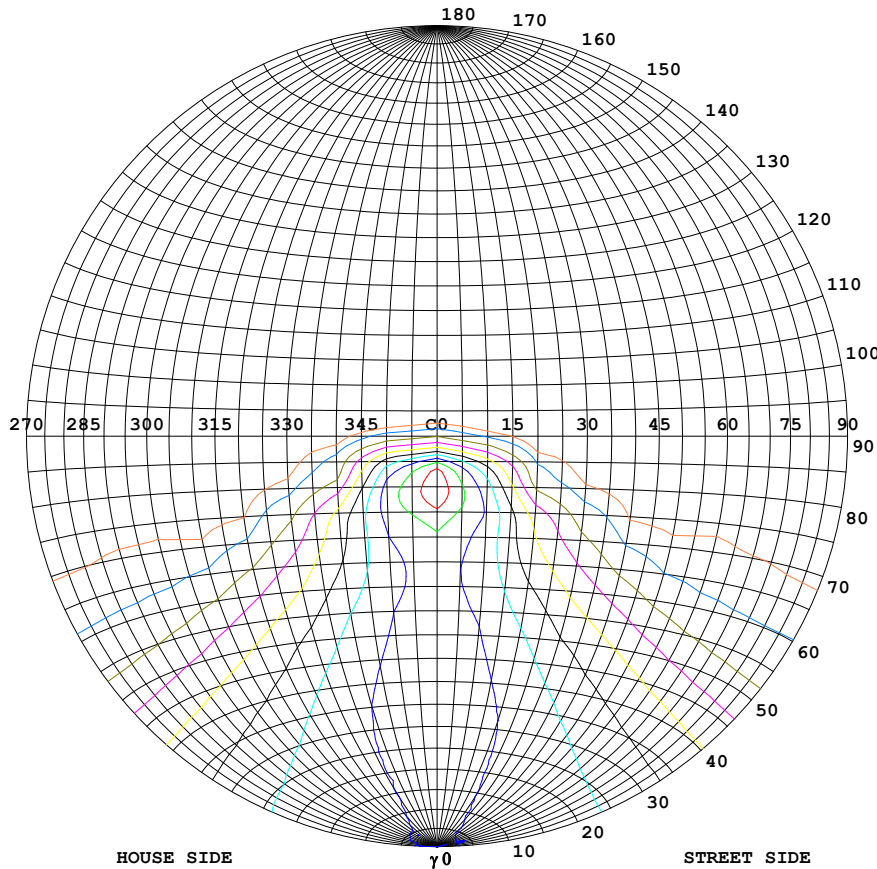
γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.281
 Humidity:63%
 Test Distance:18.400m [K=1.0000]
 Remarks:

Note: SLI:Specific Luminaire Index



STREETLIGHT ISOCANDELA DIAGRAM

Test:U:220.8V I:0.1835A P:38.79W PF:0.9572 Lamp Flux:5362x1 lm		
NAME: Nayan	TYPE:LED Street Lights	WEIGHT:
SPEC.:5000K 2209	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:



Classification:

IES:Type III - [SH=6.31]
 CIE:Narrow - Long
 IES:None cut-off
 CIE:Non-cut-off
 Max.At80:427.6cd/klm
 Max.At90:83.78cd/klm
 Max.80-90:430.9cd/klm

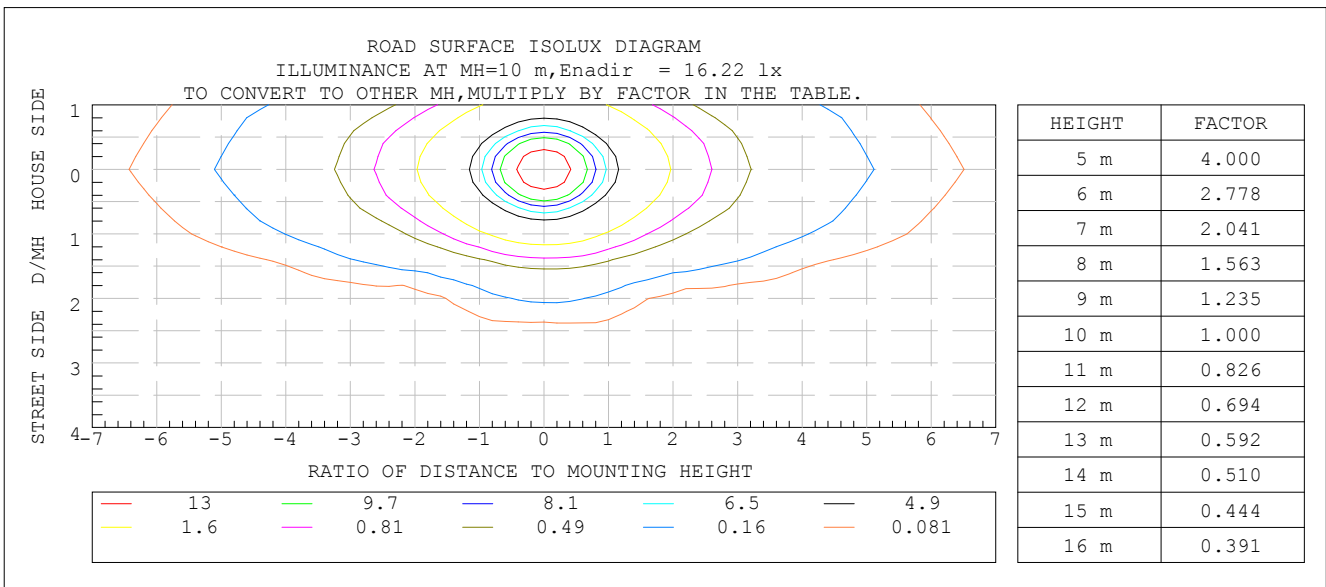
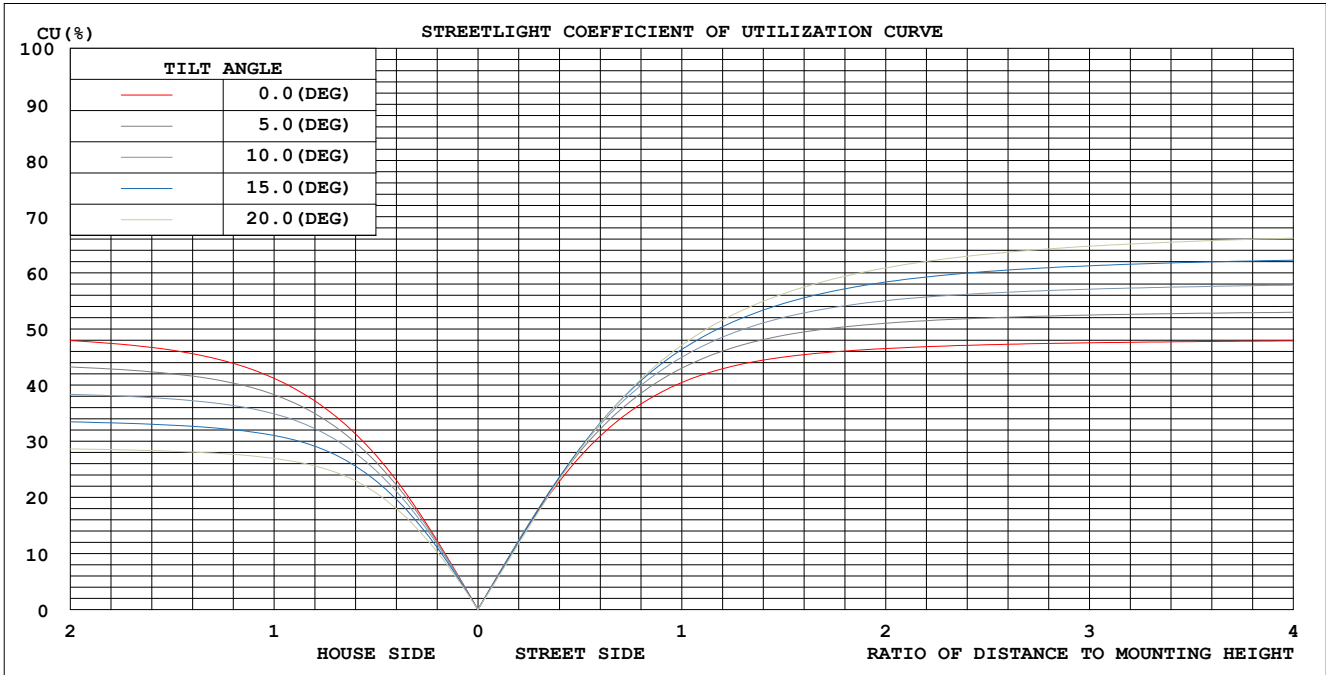
ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	2311
90%	2079
80%	1848
70%	1617
60%	1386
50%	1155
40%	924
30%	693
20%	462
10%	231
5%	116

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.0DEG
 Operators:fengchengzhang
 Test Date:2016-09-23

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.281
 Humidity:63%
 Test Distance:18.400m [K=1.0000]
 Remarks:



COEFFICIENT OF UTILIZATION CURVE
AND ISOLUX DIAGRAM



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.0DEG
Operators: fengchengzhang
Test Date: 2016-09-23

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.281
Humidity: 63%
Test Distance: 18.400m [K=1.0000]
Remarks:



ZONAL FLUX DIAGRAM

Test:U:220.8V I:0.1835A P:38.79W PF:0.9572 Lamp Flux:5362x1 lm		
NAME: Nayan	TYPE:LED Street Lights	WEIGHT:
SPEC.:5000K 2209	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	1629	1606	1590	1604	1624	1606	1588	1603	0- 10	154.0	154.0	2.87,2.87
20	1652	1554	1465	1555	1642	1559	1467	1556	10- 20	448.4	602.4	11.2,11.2
30	1691	1417	1234	1424	1674	1440	1238	1433	20- 30	694.6	1297	24.2,24.2
40	1728	1196	940.8	1210	1718	1229	965.1	1219	30- 40	855.3	2152	40.1,40.1
50	1733	911.5	547.7	931.5	1737	961.8	599.5	948.0	40- 50	897.3	3050	56.9,56.9
60	1704	519.8	235.0	554.4	1701	597.7	252.3	580.3	50- 60	793.2	3843	71.7,71.7
70	1819	176.2	96.44	195.7	1778	209.3	103.2	198.9	60- 70	630.9	4474	83.4,83.4
80	2249	59.87	57.03	64.20	2293	59.56	58.96	55.11	70- 80	518.6	4992	93.1,93.1
90	449.2	19.11	1.425	22.44	419.7	21.76	5.129	18.86	80- 90	292.9	5285	98.6,98.6
100	11.27	4.538	2.229	4.376	10.95	3.335	1.733	4.188	90-100	16.62	5302	98.9,98.9
110	13.06	7.163	3.950	6.881	12.32	5.529	3.241	6.542	100-110	6.737	5309	99,99
120	14.69	10.01	6.450	9.387	14.61	7.922	5.526	9.100	110-120	8.540	5317	99.2,99.2
130	16.22	12.75	9.410	11.70	17.20	10.34	8.165	11.75	120-130	9.806	5327	99.4,99.3
140	16.88	15.13	12.42	13.75	17.98	12.75	11.20	14.20	130-140	10.21	5337	99.5,99.5
150	18.21	17.38	15.16	15.94	18.49	15.07	13.57	16.34	140-150	9.565	5347	99.7,99.7
160	19.04	18.95	17.31	17.61	19.23	17.31	16.23	18.12	150-160	7.926	5355	99.9,99.9
170	20.03	19.80	18.76	18.99	20.16	19.04	18.36	19.25	160-170	5.274	5360	100,100
180	20.59	19.99	19.42	19.84	20.57	20.00	19.45	19.85	170-180	1.865	5362	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

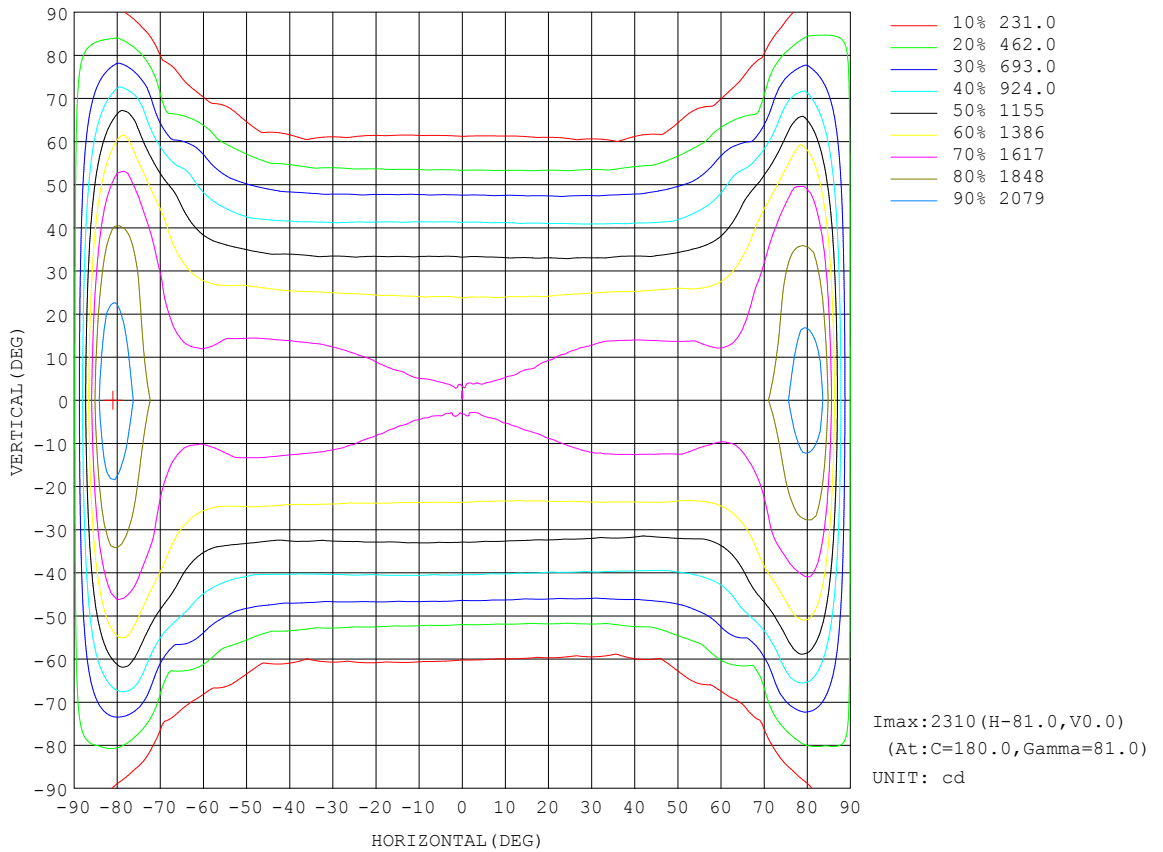
C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.0DEG
 Operators:fengchengzhang
 Test Date:2016-09-23

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.281
 Humidity:63%
 Test Distance:18.400m [K=1.0000]
 Remarks:



ISOCANDELA DIAGRAM

Test:U:220.8V I:0.1835A P:38.79W PF:0.9572 Lamp Flux:5362x1 lm		
NAME: Nayan	TYPE:LED Street Lights	WEIGHT:
SPEC.:5000K 2209	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

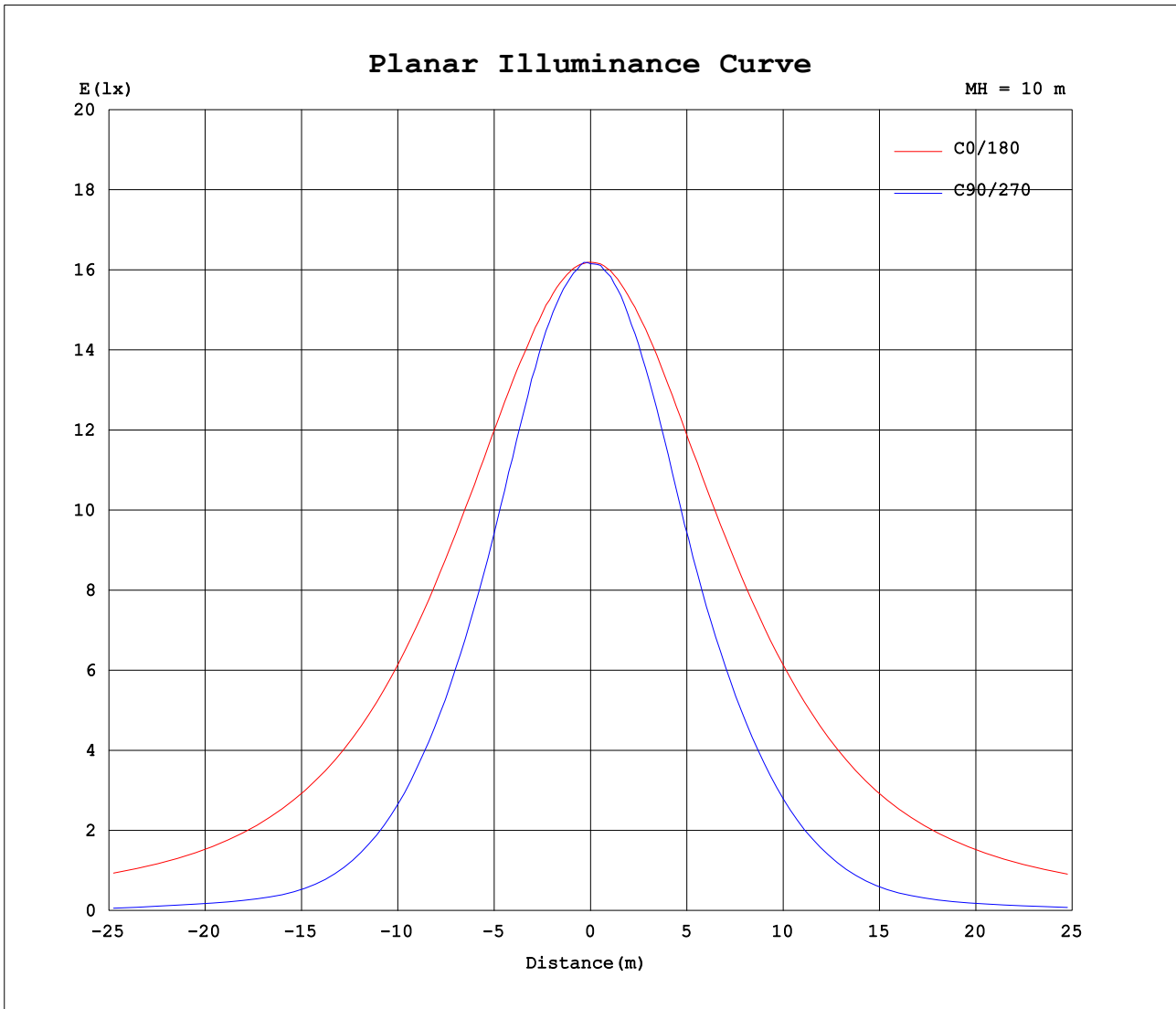


C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.0DEG
 Operators:fengchengzhang
 Test Date:2016-09-23

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.281
 Humidity:63%
 Test Distance:18.400m [K=1.0000]
 Remarks:



Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.0DEG
Operators: fengchengzhang
Test Date: 2016-09-23

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.281
Humidity: 63%
Test Distance: 18.400m [K=1.0000]
Remarks:



LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.8V I:0.1835A P:38.79W PF:0.9572 Lamp Flux:5362x1 lm		
NAME: Nayan	TYPE:LED Street Lights	WEIGHT:
SPEC.:5000K 2209	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

Table--1

UNIT: cd

C (DEG) \ γ (DEG)	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
0	1620	1620	1620	1620	1620	1620	1620	1620	1620	1620	1620	1620	1620	1620	1620	1620	1620	1620	1620
5	1623	1621	1621	1619	1617	1615	1614	1614	1613	1615	1614	1610	1615	1615	1614	1619	1619	1620	1622
10	1629	1623	1623	1617	1610	1602	1596	1594	1595	1590	1590	1589	1594	1601	1607	1613	1619	1622	1624
15	1635	1633	1624	1611	1595	1579	1562	1552	1548	1546	1544	1548	1564	1579	1593	1609	1619	1627	1631
20	1652	1641	1624	1601	1571	1537	1503	1481	1467	1465	1468	1479	1507	1540	1571	1599	1621	1635	1642
25	1669	1655	1626	1585	1528	1468	1415	1380	1362	1360	1361	1384	1422	1474	1529	1583	1619	1645	1656
30	1691	1665	1624	1554	1459	1374	1305	1263	1236	1234	1243	1267	1317	1386	1462	1553	1617	1656	1674
35	1711	1673	1606	1495	1365	1262	1184	1135	1104	1102	1112	1146	1196	1274	1374	1498	1601	1669	1698
40	1728	1671	1570	1410	1251	1141	1051	987	947	941	956	999	1065	1155	1264	1420	1569	1672	1718
45	1736	1657	1510	1300	1131	1001	887	804	765	752	776	820	907	1019	1147	1320	1517	1668	1736
50	1733	1629	1426	1175	994	829	695	604	560	548	571	627	723	851	1012	1202	1449	1646	1737
55	1721	1590	1319	1037	824	627	488	400	357	350	368	424	520	658	848	1065	1354	1606	1717
60	1704	1549	1195	885	626	414	300	252	235	235	244	269	329	452	656	912	1235	1563	1701
65	1727	1521	1060	714	407	235	193	186	185	183	189	196	212	263	443	742	1108	1535	1708
70	1819	1532	953	527	215	137	141	122	103	96.4	104	134	150	150	241	561	1000	1547	1778
75	2032	1597	803	337	106	90.7	87.6	86.8	94.7	88.9	105	77.9	97.7	96.7	110	357	857	1623	1985
80	2249	1481	424	135	63.1	56.6	62.2	59.8	69.3	57.0	68.1	61.4	65.4	61.5	66.9	143	459	1591	2293
85	1812	1006	210	40.7	36.7	34.8	36.4	46.4	51.3	6.16	51.3	47.4	39.2	36.7	37.2	41.6	210	1106	1893
90	449	204	21.2	20.9	18.2	20.0	18.0	20.8	5.65	1.42	5.77	23.9	21.0	24.6	20.3	22.8	25.3	204	420
95	18.0	15.7	10.3	6.86	4.15	2.66	1.83	1.72	1.54	1.69	1.89	1.76	1.79	2.63	4.23	8.10	11.6	17.6	18.9
100	11.3	10.8	9.65	7.76	5.40	3.67	2.67	2.35	2.11	2.23	2.13	2.35	2.60	3.59	5.17	7.58	9.60	10.9	10.9
105	12.1	11.9	11.1	9.19	6.74	4.86	3.70	3.24	2.92	2.98	2.87	3.20	3.63	4.74	6.43	8.86	10.9	11.8	11.5
110	13.1	13.4	12.9	10.8	8.18	6.15	4.91	4.30	3.94	3.95	3.87	4.26	4.79	6.01	7.75	9.98	11.8	12.7	12.3
115	13.9	14.9	14.3	12.1	9.58	7.55	6.23	5.54	5.11	5.12	5.08	5.48	6.09	7.34	8.97	10.8	12.2	13.2	13.3
120	14.7	15.8	15.4	13.3	11.0	9.05	7.68	6.92	6.47	6.45	6.38	6.83	7.52	8.71	10.1	11.6	12.8	13.7	14.6
125	15.5	16.4	16.1	14.3	12.3	10.5	9.21	8.37	7.93	7.86	7.83	8.25	8.95	10.00	11.2	12.4	13.6	14.6	16.0
130	16.2	16.9	16.5	15.2	13.6	11.9	10.7	9.90	9.48	9.41	9.35	9.68	10.3	11.2	12.2	13.2	14.4	15.4	17.2
135	16.6	17.2	17.0	16.0	14.7	13.3	12.2	11.4	11.1	10.9	10.9	11.1	11.6	12.3	13.2	14.1	15.0	16.0	17.8
140	16.9	17.3	17.4	16.7	15.7	14.5	13.6	12.9	12.6	12.4	12.3	12.4	12.7	13.3	14.1	14.9	15.7	16.4	18.0
145	17.4	17.8	18.0	17.5	16.7	15.7	15.0	14.3	14.1	13.9	13.7	13.7	14.0	14.4	15.1	15.8	16.6	17.0	18.2
150	18.2	18.6	18.8	18.3	17.8	17.0	16.4	15.8	15.5	15.2	15.1	15.1	15.4	15.7	16.2	16.8	17.5	18.0	18.5
155	18.6	19.0	19.2	18.9	18.5	18.0	17.5	17.0	16.6	16.3	16.2	16.2	16.5	16.7	17.0	17.4	17.9	18.3	18.8
160	19.0	19.5	19.6	19.4	19.1	18.8	18.3	17.9	17.6	17.3	17.2	17.1	17.4	17.5	17.7	18.0	18.4	18.8	19.2
165	19.5	19.9	19.9	19.8	19.6	19.3	19.0	18.7	18.4	18.2	18.1	17.9	18.2	18.3	18.4	18.6	19.0	19.2	19.7
170	20.0	20.2	20.2	20.1	19.9	19.7	19.5	19.3	18.9	18.8	18.7	18.6	18.9	19.0	19.0	19.1	19.4	19.7	20.2
175	20.3	20.3	20.3	20.1	20.0	19.9	19.7	19.6	19.3	19.2	19.1	19.0	19.4	19.5	19.5	19.6	19.8	20.0	20.4
180	20.6	20.5	20.3	20.1	20.0	19.9	19.8	19.7	19.5	19.4	19.4	19.4	19.7	19.8	19.9	20.0	20.2	20.1	20.6

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.0DEG
 Operators:fengchengzhang
 Test Date:2016-09-23

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.281
 Humidity:63%
 Test Distance:18.400m [K=1.0000]
 Remarks:



LUMINOUS DISTRIBUTION INTENSITY DATA

Table with 3 columns: NAME, TYPE, WEIGHT, SPEC., DIM., SERIAL No., MFR., SUR., PROTECTION ANGLE. Includes test parameters like U:220.8V, I:0.1835A, P:38.79W, PF:0.9572, Lamp Flux:5362x1 lm.

Table--2

UNIT: cd

Large data table with columns for C (DEG) and gamma (DEG) ranging from 0 to 180 degrees. Values represent luminous intensity in cd.

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.0DEG
Operators:fengchengzhang
Test Date:2016-09-23

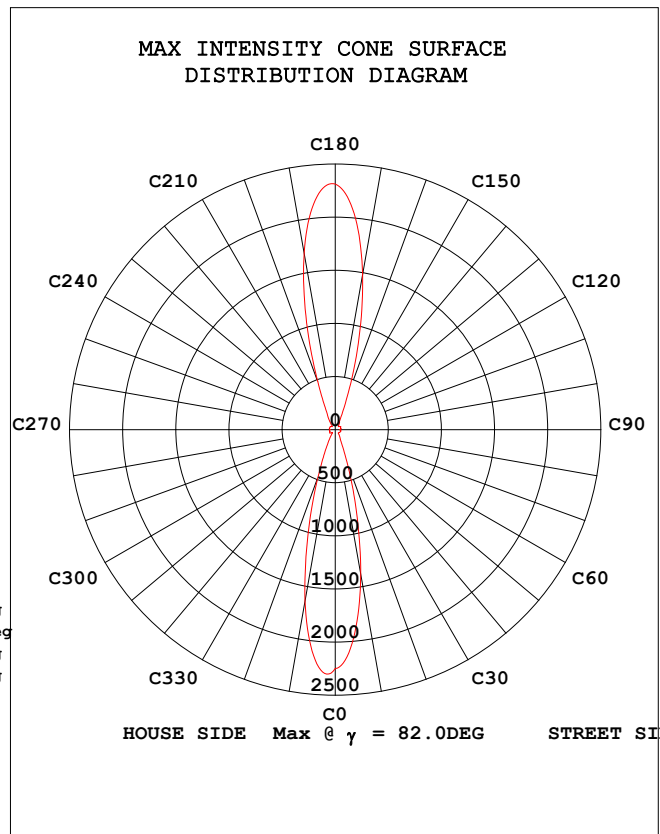
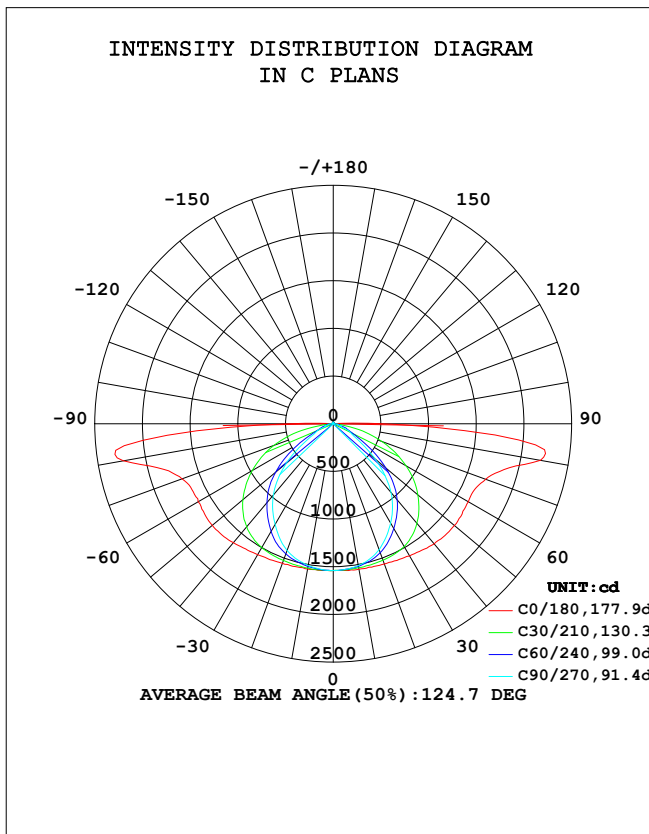
gamma Range: 0 - 180DEG
gamma Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.281
Humidity:63%
Test Distance:18.400m [K=1.0000]
Remarks:



STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:220.8V I:0.1831A P:38.69W PF:0.9568 Lamp Flux:5279x1 lm		
NAME: Nayan	TYPE:LED Street Lights	WEIGHT:
SPEC.:5700K 2209	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 136.46 lm/W			
MODEL	3H 1X12	I _{max} (cd)	2312	η street_up(%)	0.7
NOMINAL POWER(W)	38.6852	LOR(%)	100.0	η street_down(%)	48.1
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	5279	η house_up(%)	0.7
NOMINAL FLUX(lm)	5279	MAXIMUM @ (C,γ)	180,82.0	η house_down(%)	50.5
LAMPS INSIDE	1	η up(%)	1.5	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	220.8	η down(%)	98.5	SLI	21.750



C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:24.9DEG
 Operators:fengchengzhang
 Test Date:2016-09-23

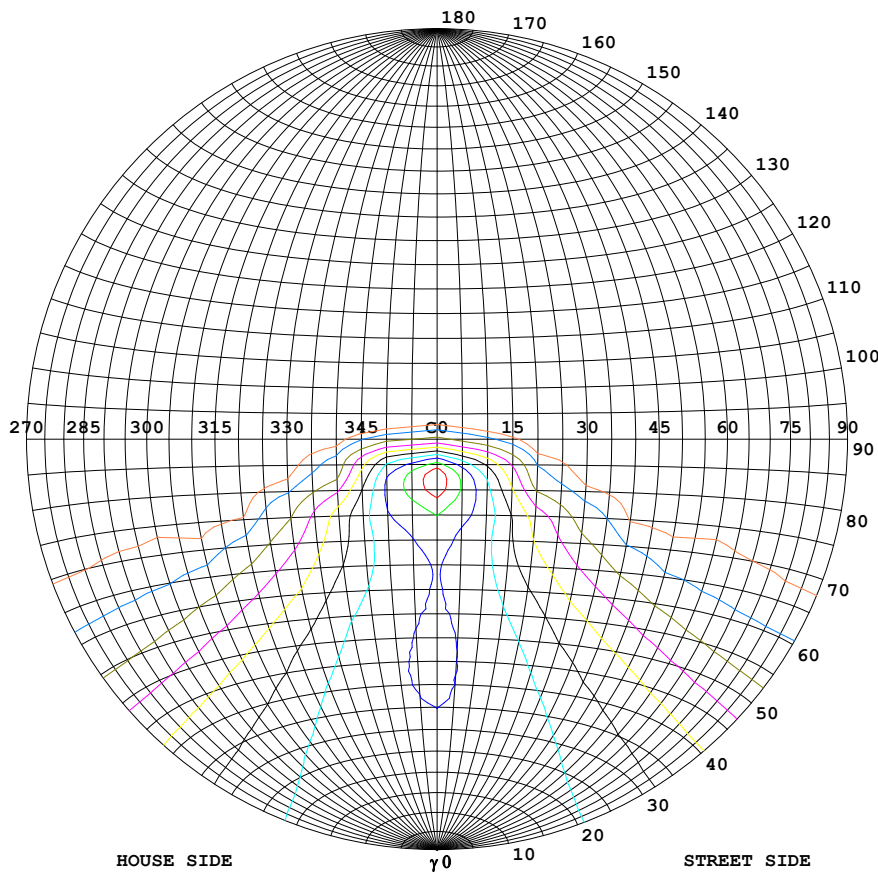
γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.281
 Humidity:64%
 Test Distance:18.400m [K=1.0000]
 Remarks:

Note: SLI:Specific Luminaire Index



STREETLIGHT ISOCANDELA DIAGRAM

Test:U:220.8V I:0.1831A P:38.69W PF:0.9568 Lamp Flux:5279x1 lm		
NAME: Nayan	TYPE:LED Street Lights	WEIGHT:
SPEC.:5700K 2209	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:



Classification:

IES:Type III - [SH=7.12]
 CIE:Narrow - Long
 IES:None cut-off
 CIE:Non-cut-off
 Max.At80:423.6cd/klm
 Max.At90:99.92cd/klm
 Max.80-90:438.0cd/klm

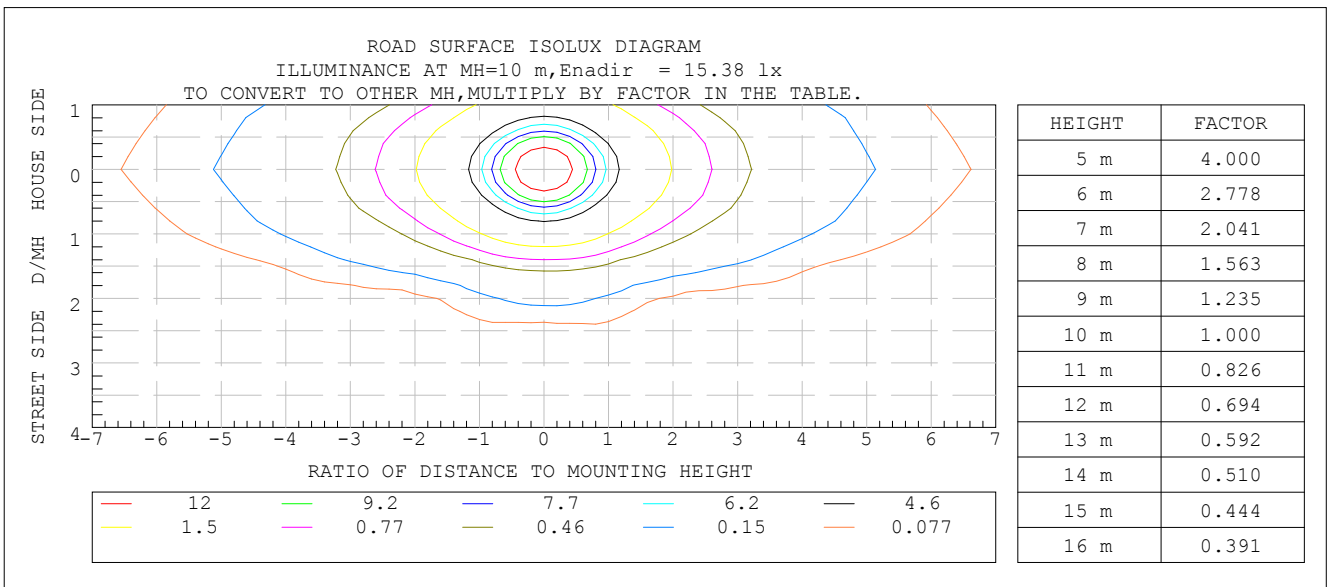
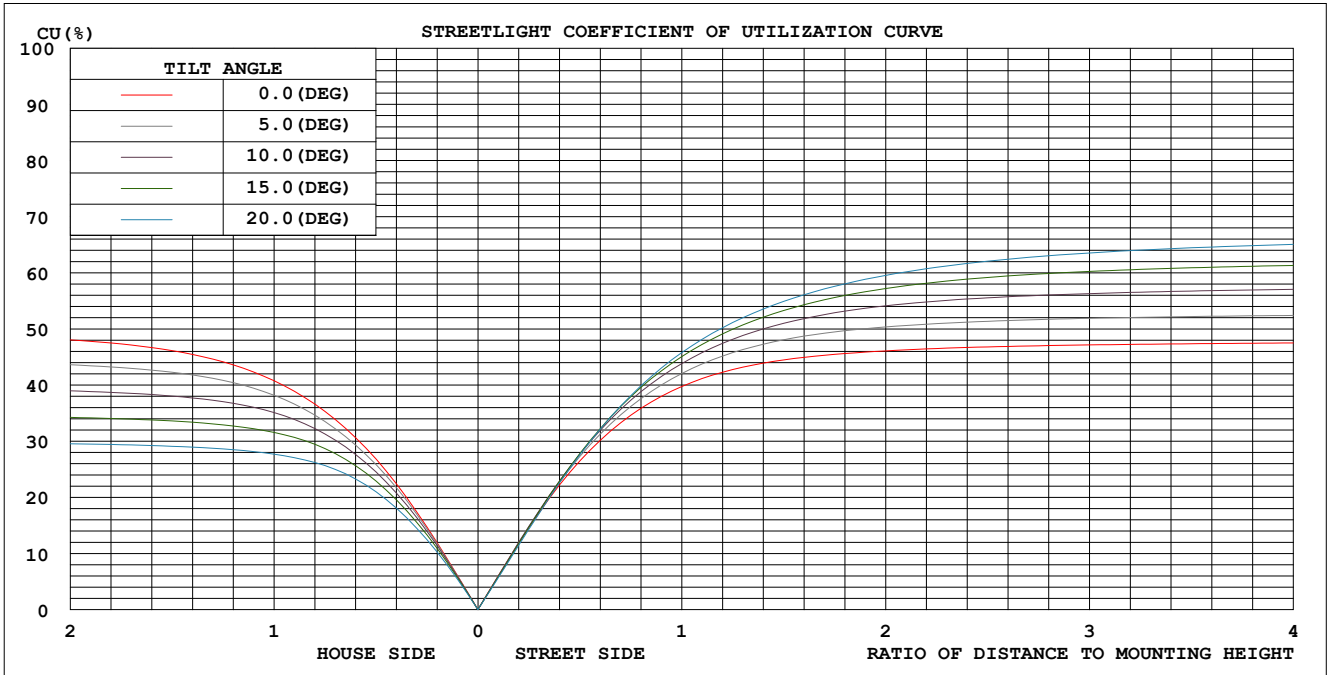
ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	2312
90%	2081
80%	1850
70%	1619
60%	1387
50%	1156
40%	925
30%	694
20%	462
10%	231
5%	116

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:24.9DEG
 Operators:fengchengzhang
 Test Date:2016-09-23

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.281
 Humidity:64%
 Test Distance:18.400m [K=1.0000]
 Remarks:



COEFFICIENT OF UTILIZATION CURVE
AND ISOLUX DIAGRAM



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 24.9DEG
Operators: fengchengzhang
Test Date: 2016-09-23

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.281
Humidity: 64%
Test Distance: 18.400m [K=1.0000]
Remarks:



ZONAL FLUX DIAGRAM

Test:U:220.8V I:0.1831A P:38.69W PF:0.9568 Lamp Flux:5279x1 lm		
NAME: Nayan	TYPE:LED Street Lights	WEIGHT:
SPEC.:5700K 2209	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	1550	1526	1510	1526	1547	1529	1510	1523	0- 10	146.4	146.4	2.77,2.77
20	1566	1483	1405	1483	1558	1490	1415	1487	10- 20	427.3	573.7	10.9,10.9
30	1601	1369	1204	1375	1585	1399	1220	1397	20- 30	667.0	1241	23.5,23.5
40	1646	1174	943.5	1183	1628	1220	976.9	1210	30- 40	830.8	2072	39.2,39.2
50	1658	912.7	573.6	925.2	1657	977.0	640.5	967.3	40- 50	885.7	2957	56,56
60	1635	543.8	239.2	568.0	1636	638.0	271.4	625.7	50- 60	796.6	3754	71.1,71.1
70	1702	191.3	87.80	204.8	1688	239.0	99.45	233.3	60- 70	630.7	4385	83.1,83.1
80	2208	58.58	52.24	60.10	2236	58.81	56.34	56.80	70- 80	507.5	4892	92.7,92.7
90	527.5	18.58	1.408	19.98	471.4	20.78	4.113	19.32	80- 90	309.9	5202	98.5,98.5
100	11.16	4.661	2.309	4.542	10.74	3.387	1.744	4.147	90-100	18.44	5220	98.9,98.9
110	12.84	7.284	4.096	7.008	12.05	5.533	3.275	6.447	100-110	6.730	5227	99,99
120	14.36	10.01	6.587	9.387	14.32	7.852	5.556	8.924	110-120	8.476	5236	99.2,99.2
130	15.73	12.63	9.443	11.58	16.73	10.18	8.091	11.45	120-130	9.674	5245	99.4,99.4
140	16.30	14.79	12.27	13.48	17.31	12.47	10.97	13.77	130-140	9.992	5255	99.5,99.5
150	17.55	16.86	14.82	15.55	17.83	14.64	13.21	15.82	140-150	9.309	5265	99.7,99.7
160	18.32	18.25	16.71	17.06	18.52	16.72	15.65	17.46	150-160	7.671	5272	99.9,99.9
170	19.21	18.96	18.01	18.31	19.38	18.30	17.62	18.50	160-170	5.078	5277	100,100
180	19.74	19.15	18.59	19.09	19.74	19.17	18.59	19.07	170-180	1.791	5279	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

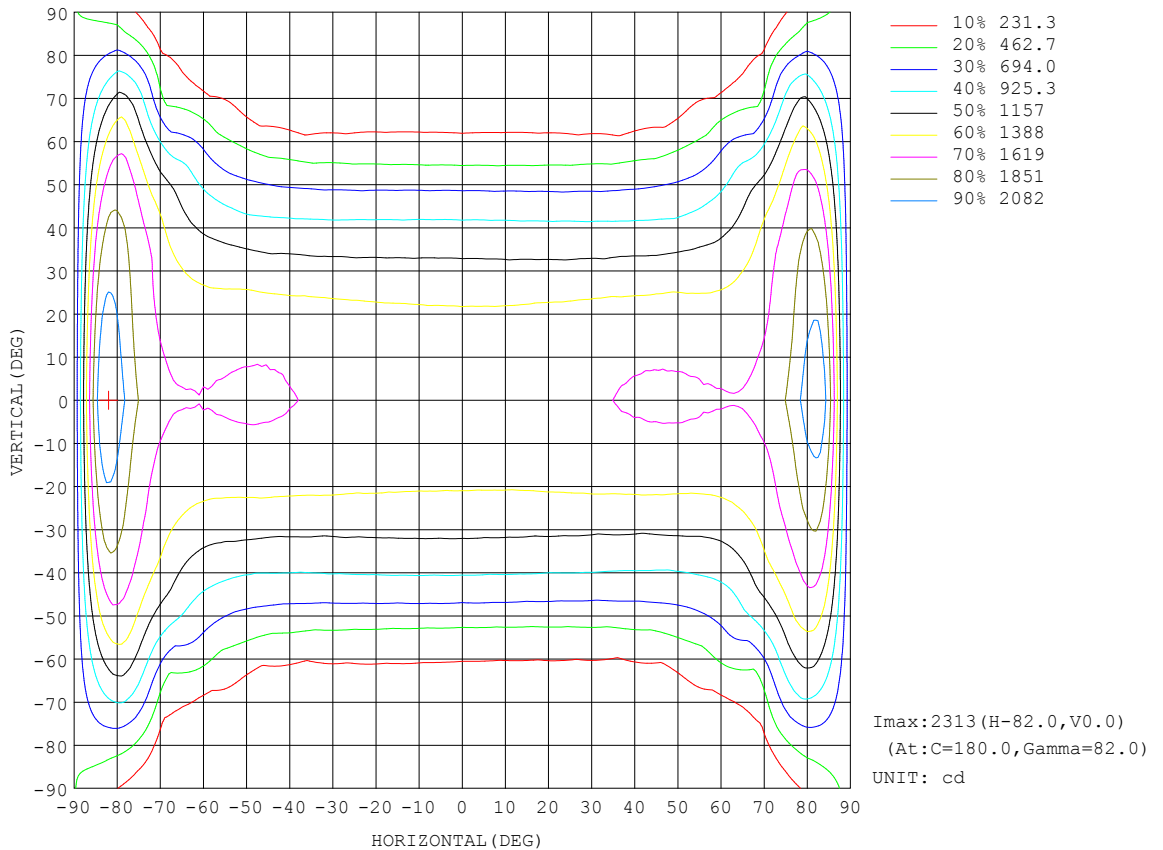
C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:24.9DEG
 Operators:fengchengzhang
 Test Date:2016-09-23

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.281
 Humidity:64%
 Test Distance:18.400m [K=1.0000]
 Remarks:



ISOCANDELA DIAGRAM

Test:U:220.8V I:0.1831A P:38.69W PF:0.9568 Lamp Flux:5279x1 lm		
NAME: Nayan	TYPE:LED Street Lights	WEIGHT:
SPEC.:5700K 2209	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

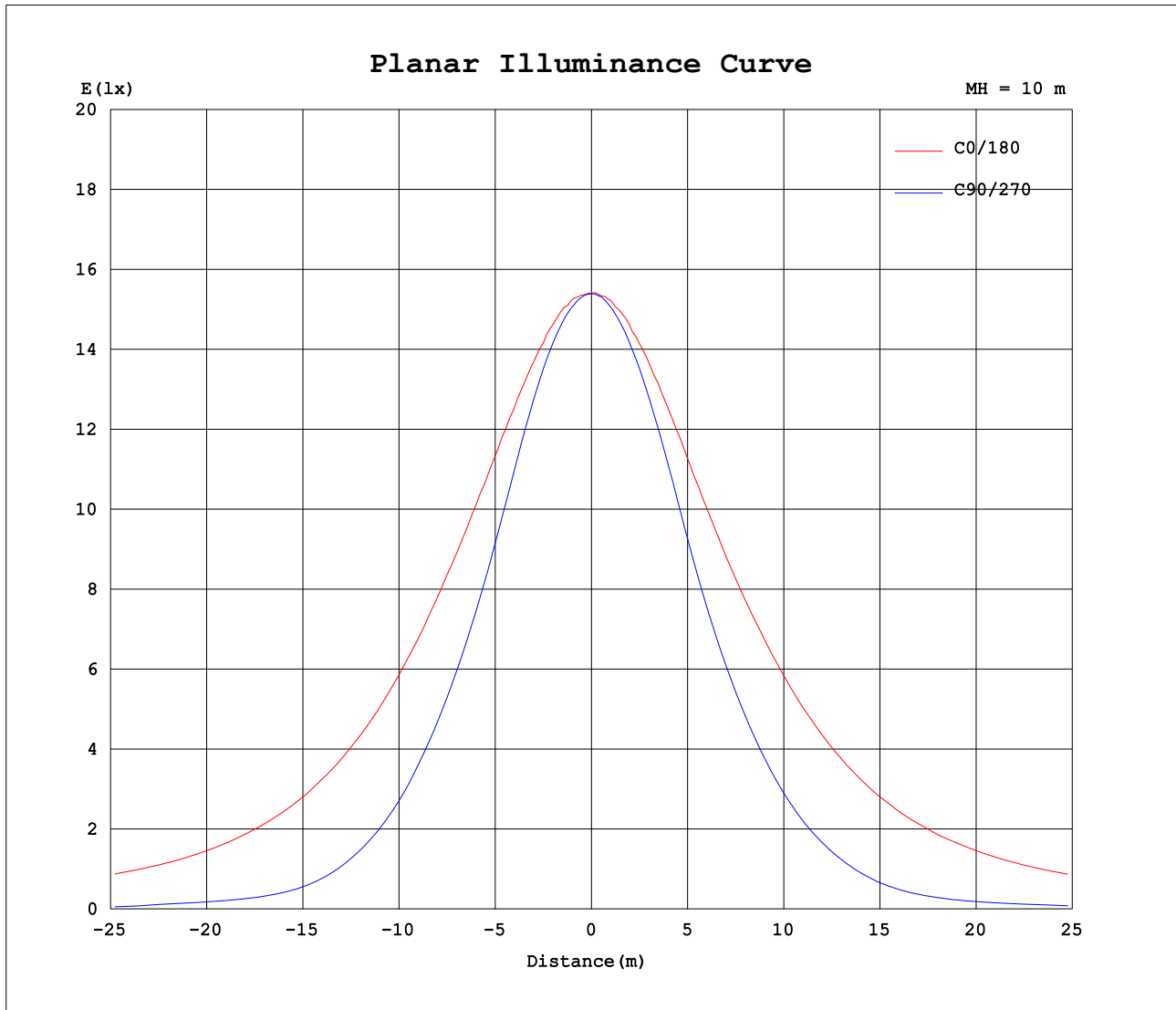


C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:24.9DEG
 Operators:fengchengzhang
 Test Date:2016-09-23

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.281
 Humidity:64%
 Test Distance:18.400m [K=1.0000]
 Remarks:



Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:24.9DEG
Operators:fengchengzhang
Test Date:2016-09-23

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.281
Humidity:64%
Test Distance:18.400m [K=1.0000]
Remarks:



LUMINOUS DISTRIBUTION INTENSITY DATA

Table with 3 columns: NAME, TYPE, WEIGHT, SPEC., DIM., SERIAL No., MFR., SUR., PROTECTION ANGLE. Test: U:220.8V I:0.1831A P:38.69W PF:0.9568 Lamp Flux:5279x1 lm

Table--1

UNIT: cd

Large data table with columns C (DEG) and gamma (DEG) and rows of intensity values from 0 to 180 degrees.

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:24.9DEG
Operators:fengchengzhang
Test Date:2016-09-23

gamma Range: 0 - 180DEG
gamma Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.281
Humidity:64%
Test Distance:18.400m [K=1.0000]
Remarks:



LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.8V I:0.1831A P:38.69W PF:0.9568 Lamp Flux:5279x1 lm		
NAME: Nayan	TYPE:LED Street Lights	WEIGHT:
SPEC.:5700K 2209	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

Table--2

UNIT: cd

C (DEG) \ γ (DEG)	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350		
0	1540	1540	1540	1540	1540	1540	1540	1540	1540	1540	1540	1540	1540	1540	1540	1540	1540		
5	1540	1537	1539	1537	1537	1535	1534	1533	1531	1532	1533	1533	1540	1536	1540	1541	1545		
10	1545	1542	1538	1530	1527	1520	1514	1510	1510	1509	1513	1516	1521	1525	1538	1539	1547		
15	1548	1541	1533	1520	1507	1494	1482	1475	1473	1474	1480	1492	1500	1515	1536	1541	1554		
20	1557	1542	1526	1502	1478	1453	1431	1420	1415	1418	1431	1453	1475	1498	1529	1540	1562		
25	1563	1543	1517	1479	1433	1392	1357	1336	1327	1334	1355	1389	1430	1475	1517	1546	1572		
30	1573	1545	1499	1434	1364	1303	1257	1232	1220	1227	1252	1297	1363	1431	1503	1552	1585		
35	1590	1543	1465	1367	1271	1197	1145	1119	1106	1114	1139	1188	1262	1364	1472	1545	1599		
40	1602	1527	1412	1276	1163	1083	1025	992	977	988	1019	1076	1152	1268	1416	1532	1608		
45	1605	1494	1335	1170	1046	953	879	835	820	831	873	942	1035	1156	1334	1499	1607		
50	1598	1446	1236	1049	905	786	708	657	640	652	700	776	896	1039	1227	1447	1591		
55	1571	1380	1117	911	734	604	515	459	439	453	506	592	723	894	1103	1370	1564		
60	1540	1296	979	738	538	405	322	283	271	281	315	395	528	723	959	1272	1533		
65	1520	1189	832	543	322	232	205	197	193	196	203	226	316	531	811	1164	1509		
70	1531	1096	660	321	157	148	152	116	99.4	111	146	143	153	314	646	1085	1526		
75	1622	1029	466	133	92.7	105	74.4	76.1	77.5	76.4	70.9	100	88.2	126	457	1020	1607		
80	1710	673	229	58.0	59.7	53.9	78.6	63.8	56.3	63.3	63.4	53.4	57.2	56.4	217	661	1664		
85	1476	325	63.1	32.8	36.1	40.6	45.2	45.3	35.7	45.2	43.0	39.9	34.1	31.8	55.3	315	1404		
90	368	48.6	20.8	18.8	22.7	21.7	21.0	19.9	4.11	19.0	19.4	19.9	21.4	17.3	19.4	53.1	391		
95	17.4	11.7	7.40	3.76	2.06	1.55	1.31	1.35	1.31	1.45	1.41	1.79	2.47	4.51	7.66	11.5	16.8		
100	9.88	8.22	6.04	4.09	2.68	2.13	1.74	1.79	1.74	1.89	1.96	2.45	3.31	4.99	7.15	9.16	10.4		
105	10.5	9.19	7.20	5.19	3.65	2.93	2.43	2.44	2.39	2.58	2.73	3.39	4.36	6.14	8.34	10.3	11.3		
110	11.2	10.1	8.23	6.27	4.80	3.97	3.37	3.28	3.28	3.48	3.74	3.62	5.54	7.35	9.60	11.6	12.5		
115	12.0	10.9	9.13	7.41	6.00	5.13	4.93	4.33	4.34	4.56	4.87	5.64	6.78	8.53	10.8	12.8	13.7		
120	13.2	11.7	10.0	8.49	7.21	6.36	5.72	5.53	5.56	5.78	6.14	6.94	8.09	9.76	11.8	13.8	14.8		
125	14.3	12.5	11.0	9.57	8.42	7.64	6.99	6.81	6.75	7.05	7.50	8.30	9.48	11.0	12.7	14.4	15.6		
130	15.4	13.5	12.0	10.7	9.69	8.89	8.33	8.15	8.09	8.39	8.91	9.68	10.8	12.1	13.6	15.0	16.4		
135	16.1	14.4	13.0	11.8	10.9	10.2	9.74	9.56	9.61	9.85	10.3	11.0	12.1	13.2	14.5	15.7	16.9		
140	16.5	15.3	14.0	12.9	12.0	11.3	11.0	10.9	11.0	11.1	11.7	12.3	13.3	14.3	15.4	16.4	17.2		
145	17.0	16.0	15.0	14.0	13.2	12.6	12.3	12.0	11.8	12.1	12.7	13.5	14.4	15.3	16.3	17.1	17.5		
150	17.4	16.7	15.8	15.0	14.3	13.9	13.6	13.3	13.2	13.5	14.0	14.7	15.4	16.2	17.0	17.6	17.9		
155	17.8	17.2	16.5	15.9	15.5	15.1	14.9	14.5	14.5	14.7	15.1	15.8	16.4	17.0	17.6	18.1	18.2		
160	18.2	17.7	17.3	16.8	16.6	16.3	16.0	15.7	15.6	15.8	16.1	16.8	17.3	17.7	18.1	18.5	18.6		
165	18.6	18.3	18.0	17.7	17.5	17.3	17.0	16.8	16.7	16.8	17.0	17.5	17.9	18.2	18.5	18.8	18.9		
170	19.1	18.8	18.5	18.3	18.3	18.1	17.8	17.6	17.6	17.7	17.8	18.2	18.4	18.6	18.9	19.1	19.2		
175	19.4	19.2	19.0	18.8	18.8	18.6	18.5	18.3	18.2	18.3	18.3	18.7	18.8	18.9	19.1	19.2	19.3		
180	19.6	19.5	19.3	19.2	19.1	19.0	18.9	18.7	18.6	18.6	18.6	18.9	19.1	19.1	19.2	19.4	19.3		

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:24.9DEG
Operators:fengchengzhang
Test Date:2016-09-23

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.281
Humidity:64%
Test Distance:18.400m [K=1.0000]
Remarks: