



Light Output Ratio:	100.0%	
Luminaire Power:	2.795 W	
SHR Nominal:	0.00	Calculated using the TM5
SHR Maximum:	1.00	fine grid method.

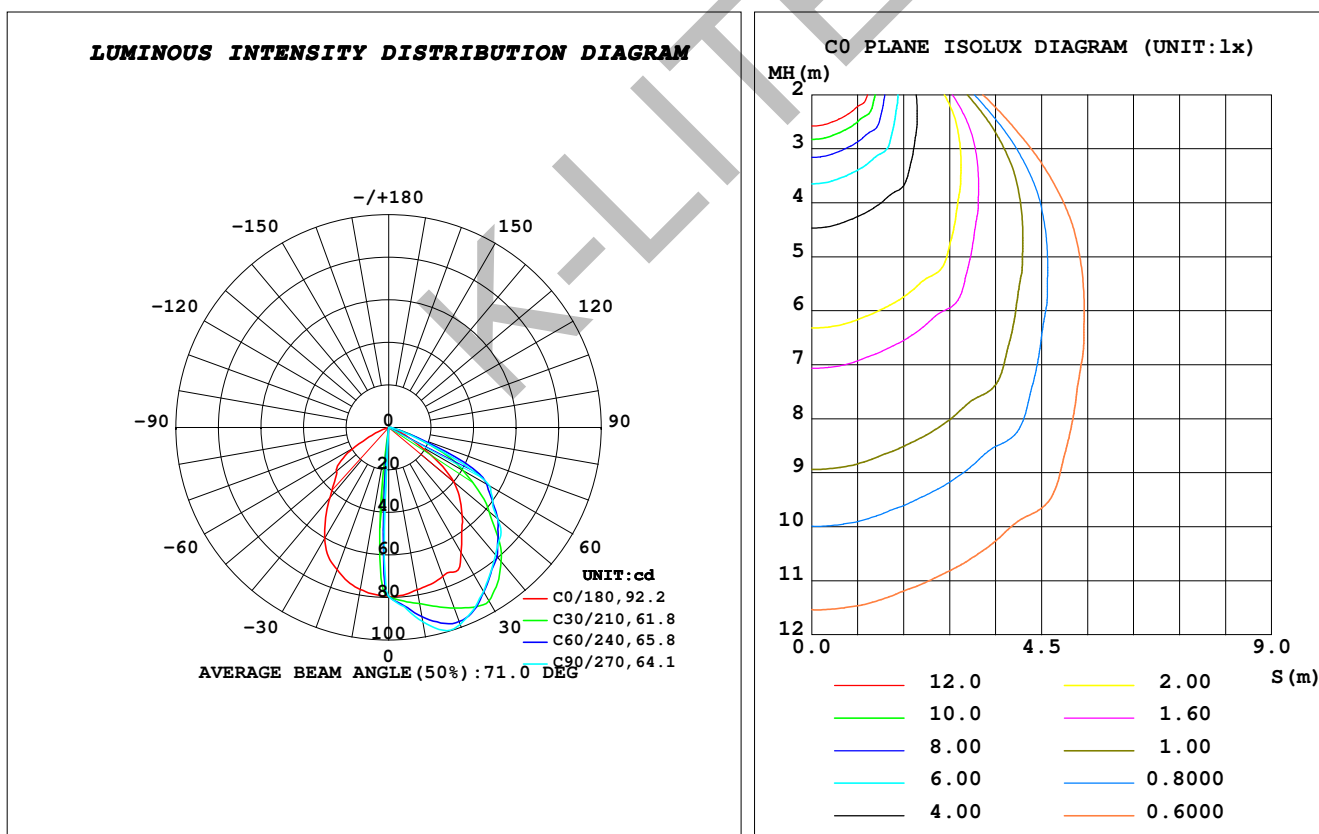
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: K-LITE
Test Date: 20 October 2020

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.417
Humidity: 65.0%
Test Distance: 1.852m [K=1.0000]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:230.39V I:0.0129A P:2.7954W PF:0.9382 Freq:49.99Hz Lamp Flux:135.602x1 lm		
NAME: SUDO MINI - SPOT	TYPE:PATH FINDERS	WEIGHT:0.421kg
SPEC.:WW, OSRAM 3030	DIM.: 76 x 110 x 130	SERIAL No.:2149
MFR.: K-LITE	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	KL-2762	Imax (cd)	99.64	S/MH (C0/180)	1.15
NOMINAL POWER (W)	3	LOR (%)	100.0	S/MH (C90/270)	0.09
RATED VOLTAGE (V)	230	TOTAL FLUX (lm)	135.60	η UP, DN (C0-180)	0.2, 94.7
NOMINAL FLUX (lm)	135.602	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.0, 5.1
LAMPS INSIDE	1	η up (%)	0.2	CIBSE SHR NOM	0.00
TEST VOLTAGE (V)	230	η down (%)	99.8	CIBSE SHR MAX	1.00



C Range: 0 - 360DEG
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 γ Interval: 1.0DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.417
Humidity: 65.0%
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Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

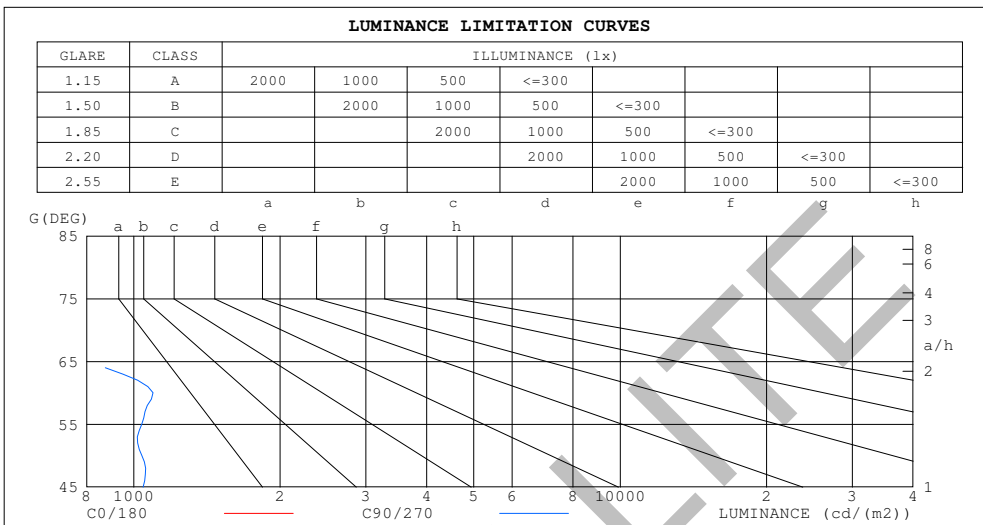
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	77.54	87.54	92.72	85.83	77.32	1.203	0.8557	1.270	0- 10	5.479	5.479	4.04,4.04
20	74.56	94.95	98.49	91.38	71.17	0.4850	0.4282	0.5134	10- 20	14.06	19.53	14.4,14.4
30	68.06	91.69	89.09	87.64	60.24	0.2294	0	0.2911	20- 30	21.72	41.26	30.4,30.4
40	53.58	78.41	78.15	72.93	42.97	0	0.0477	0	30- 40	26.01	67.27	49.6,49.6
50	40.07	64.67	66.89	58.94	32.04	0.0000	0	0	40- 50	27.03	94.30	69.5,69.5
60	15.77	46.73	54.85	43.68	18.32	0	0	0	50- 60	23.91	118.2	87.2,87.2
70	3.588	17.07	11.37	15.05	2.889	0	0	0	60- 70	13.99	132.2	97.5,97.5
80	0.4069	2.077	2.300	1.837	0.2144	0	0	0	70- 80	2.580	134.8	99.4,99.4
90	0.0052	0.6074	0.9828	0.5627	0	0	0	0	80- 90	0.5386	135.3	99.8,99.8
100	0.0032	0.0221	0.3783	0.0291	0	0	0	0	90-100	0.1775	135.5	99.9,99.9
110	0.0037	0.0529	0.0016	0.0275	0	0	0	0	100-110	0.0404	135.5	100,100
120	0	0.0025	0.1070	0.0109	0	0	0	0	110-120	0.0251	135.6	100,100
130	0	0.0521	0.0848	0.0386	0	0	0	0	120-130	0.0192	135.6	100,100
140	0	0.0347	0.0362	0.0263	0	0	0	0	130-140	0.0121	135.6	100,100
150	0	0	0.0279	0.0059	0	0	0	0	140-150	0.0056	135.6	100,100
160	0	0.0101	0	0.0035	0	0	0	0	150-160	0.0015	135.6	100,100
170	0	0.0025	0.0062	0.0001	0	0	0	0	160-170	0.0006	135.6	100,100
180	0	0	0	0	0	0	0	0	170-180	0.0000	135.6	100,100
DEG	LUMINOUS INTENSITY:cd								UNIT:lm			

C Range: 0 - 360DEG
C Interval: 10.0DEG
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Temperature:25.3DEG
Operators:K-LITE
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γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.417
Humidity:65.0%
Test Distance:1.852m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:230.39V I:0.0129A P:2.7954W PF:0.9382 Freq:49.99Hz Lamp Flux:135.602x1 lm		
NAME: SUDO MINI - SPOT	TYPE:PATH FINDERS	WEIGHT:0.421kg
SPEC.:WW, OSRAM 3030	DIM.: 76 x 110 x 130	SERIAL No.:2149
MFR.: K-LITE	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	11	165
80	24	132
75	39	179
70	105	332
65	197	766
60	317	1095
55	505	1039
50	626	1039
45	673	1045

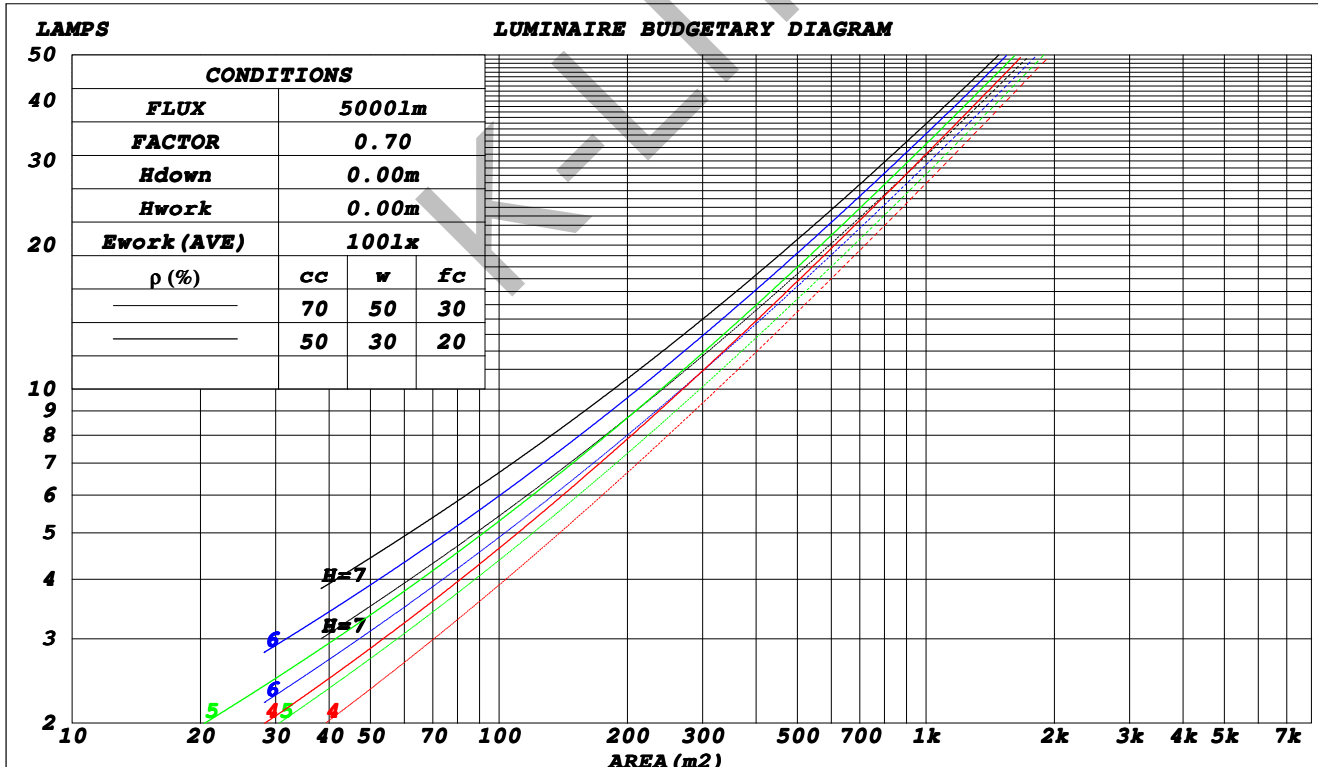
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Humidity: 65.0%
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Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:230.39V I:0.0129A P:2.7954W PF:0.9382 Freq:49.99Hz Lamp Flux:135.602x1 lm		
NAME: SUDO MINI - SPOT	TYPE:PATH FINDERS	WEIGHT:0.421kg
SPEC.:WW, OSRAM 3030	DIM.: 76 x 110 x 130	SERIAL No.:2149
MFR.: K-LITE	SUR.:	Shielding Angle:

ρ_{cc}	80%			70%			50%			30%			10%			0	
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
ρ_{fc}	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)										
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	.00	
1.0	1.06	1.03	.99	1.04	1.01	.98	.90	.97	.94	.96	.94	.92	.92	.90	.89	.87	
2.0	.94	.88	.83	.92	.86	.82	.88	.84	.80	.85	.81	.78	.82	.79	.76	.74	
3.0	.83	.76	.70	.82	.75	.69	.79	.73	.68	.76	.71	.67	.73	.69	.65	.63	
4.0	.74	.66	.59	.73	.65	.59	.70	.64	.58	.68	.62	.57	.66	.61	.57	.55	
5.0	.66	.58	.51	.65	.57	.51	.63	.56	.51	.61	.55	.50	.59	.54	.50	.47	
6.0	.60	.51	.45	.59	.51	.45	.57	.50	.44	.55	.49	.44	.54	.48	.44	.42	
7.0	.54	.46	.40	.53	.45	.40	.52	.45	.39	.50	.44	.39	.49	.43	.39	.37	
8.0	.49	.41	.36	.49	.41	.35	.47	.40	.35	.46	.40	.35	.45	.39	.35	.33	
9.0	.45	.37	.32	.45	.37	.32	.44	.37	.32	.43	.36	.32	.42	.36	.31	.30	
10.0	.42	.34	.29	.41	.34	.29	.40	.34	.29	.39	.33	.29	.39	.33	.29	.27	



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γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.417
 Humidity: 65.0%
 Test Distance: 1.852m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:230.39V I:0.0129A P:2.7954W PF:0.9382 Freq:49.99Hz Lamp Flux:135.602x1 lm		
NAME: SUDO MINI - SPOT	TYPE:PATH FINDERS	WEIGHT:0.421kg
SPEC.:WW, OSRAM 3030	DIM.: 76 x 110 x 130	SERIAL No.:2149
MFR.: K-LITE	SUR.:	Shielding Angle:

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients (WEC)									
0.0																
1.0	.264	.150	.048	.257	.147	.047	.244	.140	.045	.232	.134	.043	.221	.128	.041	
2.0	.259	.142	.043	.253	.139	.043	.241	.134	.042	.230	.129	.040	.221	.125	.039	
3.0	.246	.131	.039	.240	.129	.039	.230	.125	.038	.221	.121	.037	.212	.117	.036	
4.0	.231	.120	.035	.226	.118	.035	.217	.115	.034	.209	.112	.034	.201	.109	.033	
5.0	.217	.110	.032	.212	.109	.032	.204	.106	.031	.197	.104	.031	.190	.101	.030	
6.0	.203	.102	.029	.199	.101	.029	.192	.098	.029	.185	.096	.028	.179	.094	.028	
7.0	.190	.094	.027	.187	.093	.027	.181	.091	.026	.175	.089	.026	.169	.088	.026	
8.0	.179	.087	.025	.176	.087	.024	.170	.085	.024	.165	.083	.024	.160	.082	.024	
9.0	.168	.081	.023	.166	.081	.023	.160	.079	.022	.156	.078	.022	.151	.077	.022	
10.0	.159	.076	.021	.156	.076	.021	.152	.074	.021	.147	.073	.021	.143	.072	.021	

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients (CCEC)									
0.0																
1.0	.192	.192	.192	.164	.164	.164	.112	.112	.112	.064	.064	.064	.021	.021	.021	
2.0	.179	.158	.140	.153	.136	.120	.105	.093	.083	.060	.054	.048	.019	.017	.016	
3.0	.169	.134	.104	.145	.115	.090	.099	.080	.062	.057	.046	.037	.018	.015	.012	
4.0	.161	.116	.079	.138	.100	.069	.095	.069	.048	.055	.041	.028	.018	.013	.009	
5.0	.154	.102	.063	.132	.088	.054	.091	.062	.038	.053	.036	.023	.017	.012	.007	
6.0	.147	.092	.051	.126	.079	.044	.087	.055	.031	.050	.033	.019	.016	.011	.006	
7.0	.140	.083	.042	.121	.072	.037	.083	.050	.026	.048	.030	.015	.016	.010	.005	
8.0	.134	.076	.036	.115	.066	.031	.080	.046	.022	.046	.027	.013	.015	.009	.004	
9.0	.128	.071	.031	.110	.061	.027	.076	.043	.019	.044	.025	.012	.014	.008	.004	
10.0	.122	.066	.028	.105	.057	.024	.073	.040	.017	.042	.024	.010	.014	.008	.003	
10.0	.117	.061	.025	.100	.053	.021	.070	.037	.015	.041	.022	.009	.013	.007	.003	

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: K-LITE
Test Date: 20 October 2020

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.417
Humidity: 65.0%
Test Distance: 1.852m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:230.39V I:0.0129A P:2.7954W PF:0.9382 Freq:49.99Hz Lamp Flux:135.602x1 lm		
NAME: SUDO MINI - SPOT	TYPE:PATH FINDERS	WEIGHT:0.421kg
SPEC.:WW, OSRAM 3030	DIM.: 76 x 110 x 130	SERIAL No.:2149
MFR.: K-LITE	SUR.:	Shielding Angle:

ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
x = 2H y = 2H	14.1	15.5	14.4	15.7	15.9	16.1	17.5	16.4	17.7	17.9
3H	14.3	15.6	14.6	15.8	16.1	16.6	17.9	16.9	18.1	18.4
4H	14.2	15.5	14.5	15.7	16.0	16.5	17.8	16.8	18.0	18.3
6H	14.1	15.3	14.4	15.5	15.8	16.5	17.6	16.8	17.9	18.2
8H	14.1	15.2	14.4	15.5	15.8	16.4	17.5	16.8	17.8	18.1
12H	14.0	15.1	14.4	15.4	15.7	16.4	17.5	16.7	17.7	18.0
4H 2H	15.0	16.2	15.3	16.5	16.7	16.6	17.8	16.9	18.0	18.3
3H	15.3	16.4	15.6	16.7	17.0	17.1	18.1	17.4	18.4	18.7
4H	15.2	16.2	15.6	16.5	16.9	17.0	18.0	17.4	18.3	18.7
6H	15.1	16.0	15.5	16.4	16.7	17.0	17.8	17.4	18.2	18.6
8H	15.1	15.9	15.5	16.3	16.6	17.0	17.8	17.4	18.1	18.5
12H	15.1	15.8	15.5	16.2	16.6	16.9	17.7	17.4	18.1	18.5
8H 4H	15.2	16.0	15.6	16.4	16.8	17.0	17.8	17.4	18.1	18.5
6H	15.1	15.8	15.6	16.2	16.6	16.9	17.6	17.4	18.0	18.4
8H	15.1	15.7	15.6	16.1	16.6	16.9	17.5	17.4	17.9	18.4
12H	15.1	15.6	15.6	16.0	16.5	16.9	17.4	17.4	17.9	18.3
12H 4H	15.2	15.9	15.6	16.3	16.7	16.9	17.7	17.4	18.0	18.4
6H	15.1	15.7	15.6	16.1	16.6	16.9	17.5	17.4	17.9	18.4
8H	15.1	15.6	15.6	16.0	16.5	16.9	17.4	17.4	17.8	18.3
Variations with the observer position at spacings:										
S = 1.0H	+ 0.7 / - 1.2					+ 0.4 / - 0.5				
1.5H	+ 0.8 / - 2.0					+ 0.6 / - 0.9				
2.0H	+ 1.2 / - 4.1					+ 0.7 / - 1.6				

CIE Pub.117, 135.6 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = -6.9)
 Area: 0.1 m2

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:K-LITE
 Test Date:20 October 2020

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.417
 Humidity:65.0%
 Test Distance:1.852m [K=1.0000]
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:230.39V I:0.0129A P:2.7954W PF:0.9382 Freq:49.99Hz Lamp Flux:135.602x1 lm		
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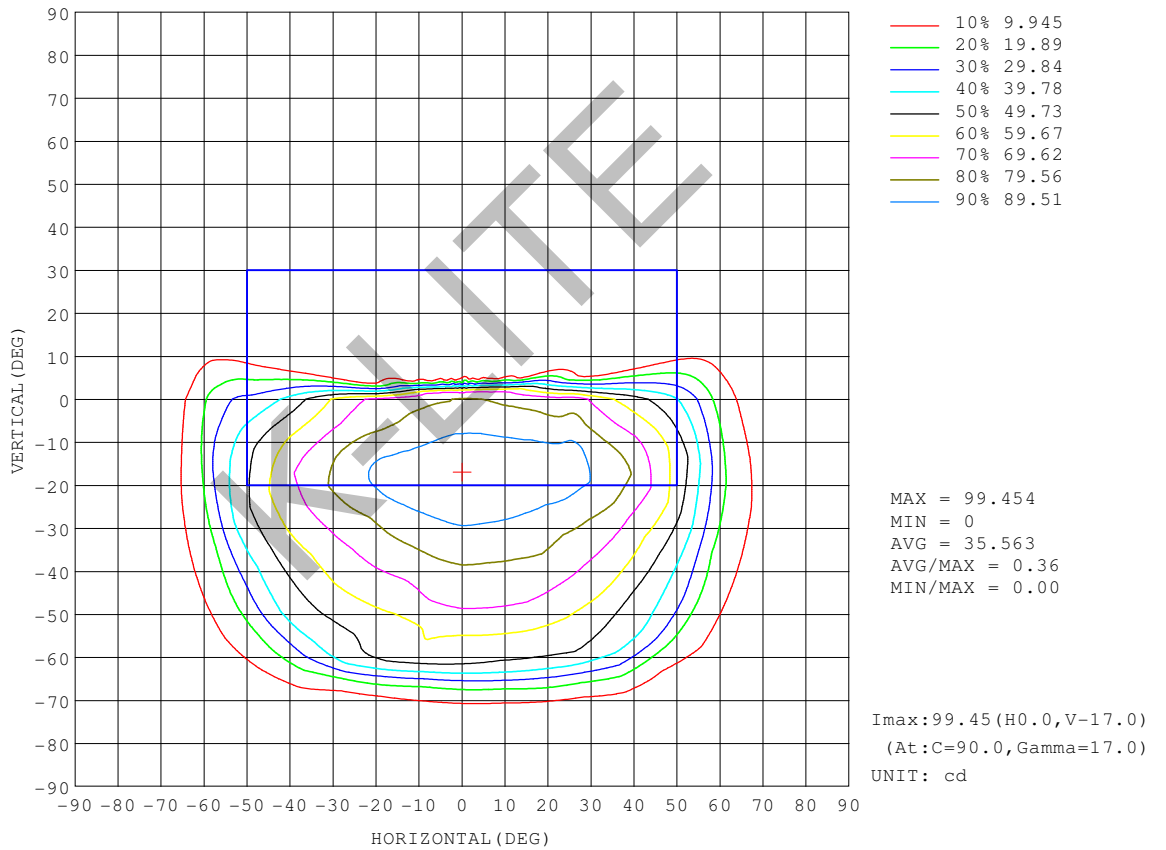
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	60	48	42	59	48	42	58	48	41	35
0.80	70	59	52	69	59	52	68	58	52	45
1.00	79	69	62	78	68	62	76	70	61	55
1.25	87	77	70	85	76	70	83	75	69	62
1.50	91	83	76	90	82	76	87	80	75	68
2.00	98	91	85	96	89	84	93	87	83	75
2.50	102	95	89	100	93	88	96	91	87	79
3.00	105	99	94	103	97	93	99	94	91	83
4.00	108	103	99	106	102	98	102	98	95	87
5.00	110	106	103	108	104	101	103	101	98	89
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

C Range: 0 - 360DEG
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 Test Speed: HIGH
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 Test Date:20 October 2020

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.417
 Humidity:65.0%
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ISOCANDELA DIAGRAM

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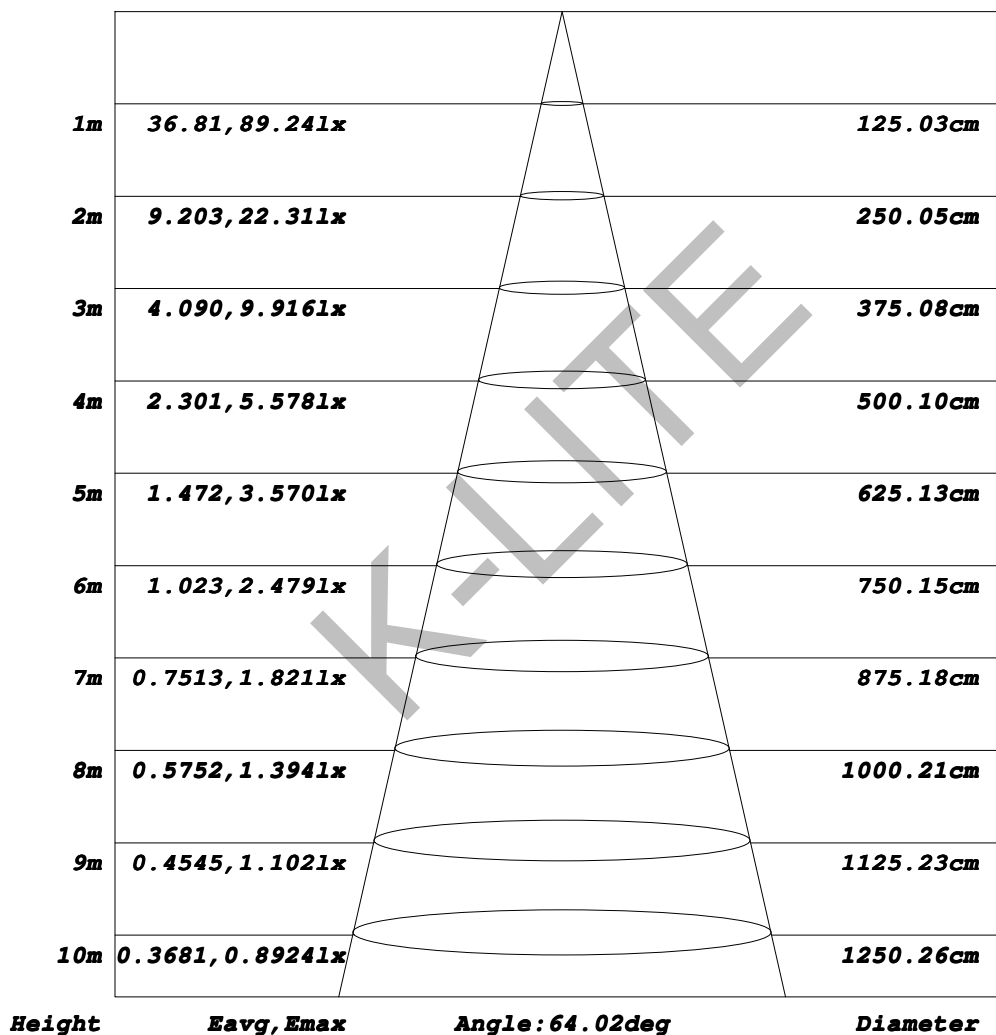
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AAI Figure

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MFR.: K-LITE	SUR.:	Shielding Angle:

Flux out:48.77 lm



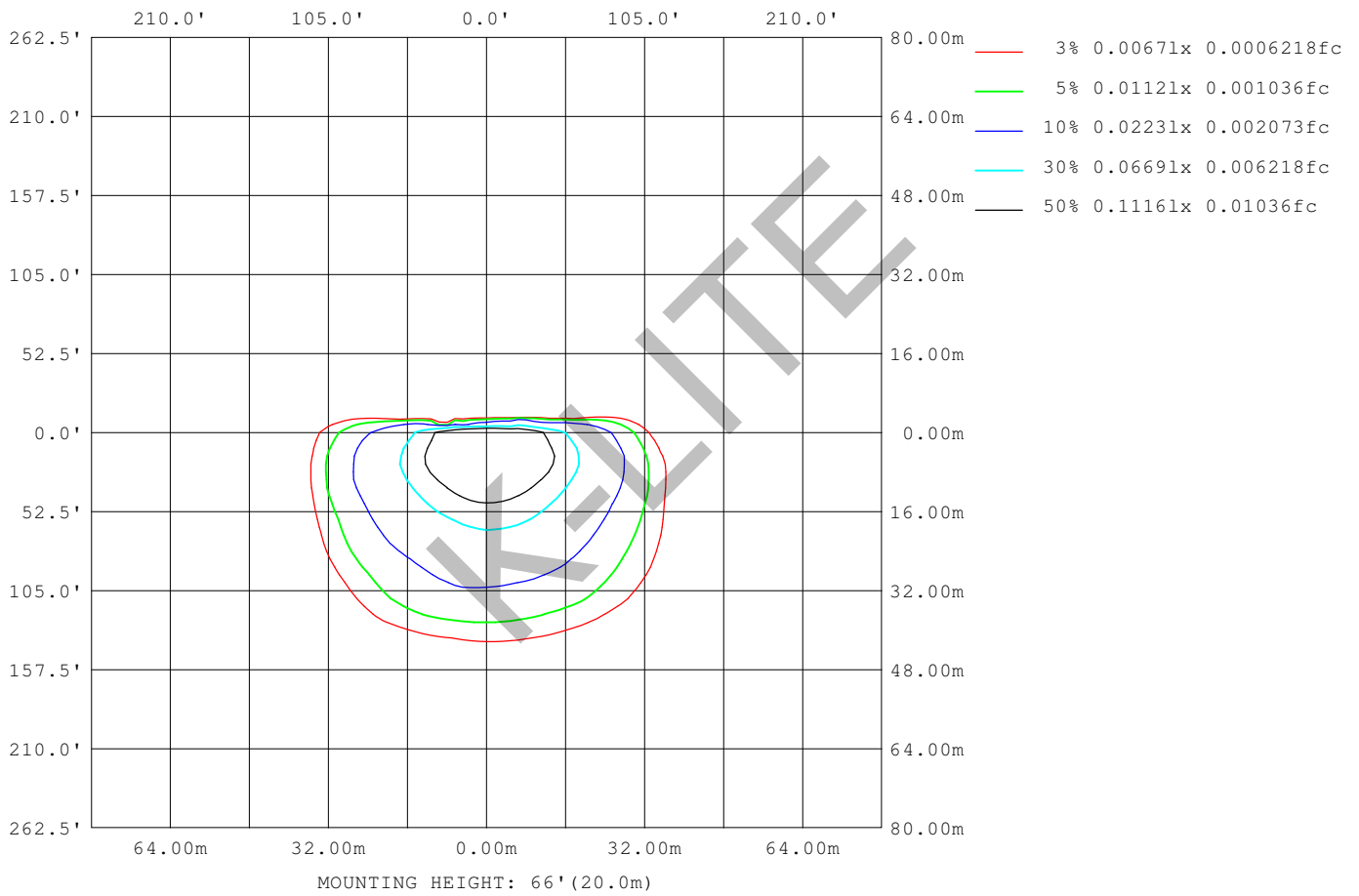
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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ISOLUX DIAGRAM

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Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.417
Humidity: 65.0%
Test Distance: 1.852m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:230.39V I:0.0129A P:2.7954W PF:0.9382 Freq:49.99Hz Lamp Flux:135.602x1 lm		
NAME: SUDO MINI - SPOT	TYPE:PATH FINDERS	WEIGHT:0.421kg
SPEC.:WW, OSRAM 3030	DIM.: 76 x 110 x 130	SERIAL No.:2149
MFR.: K-LITE	SUR.:	Shielding Angle:

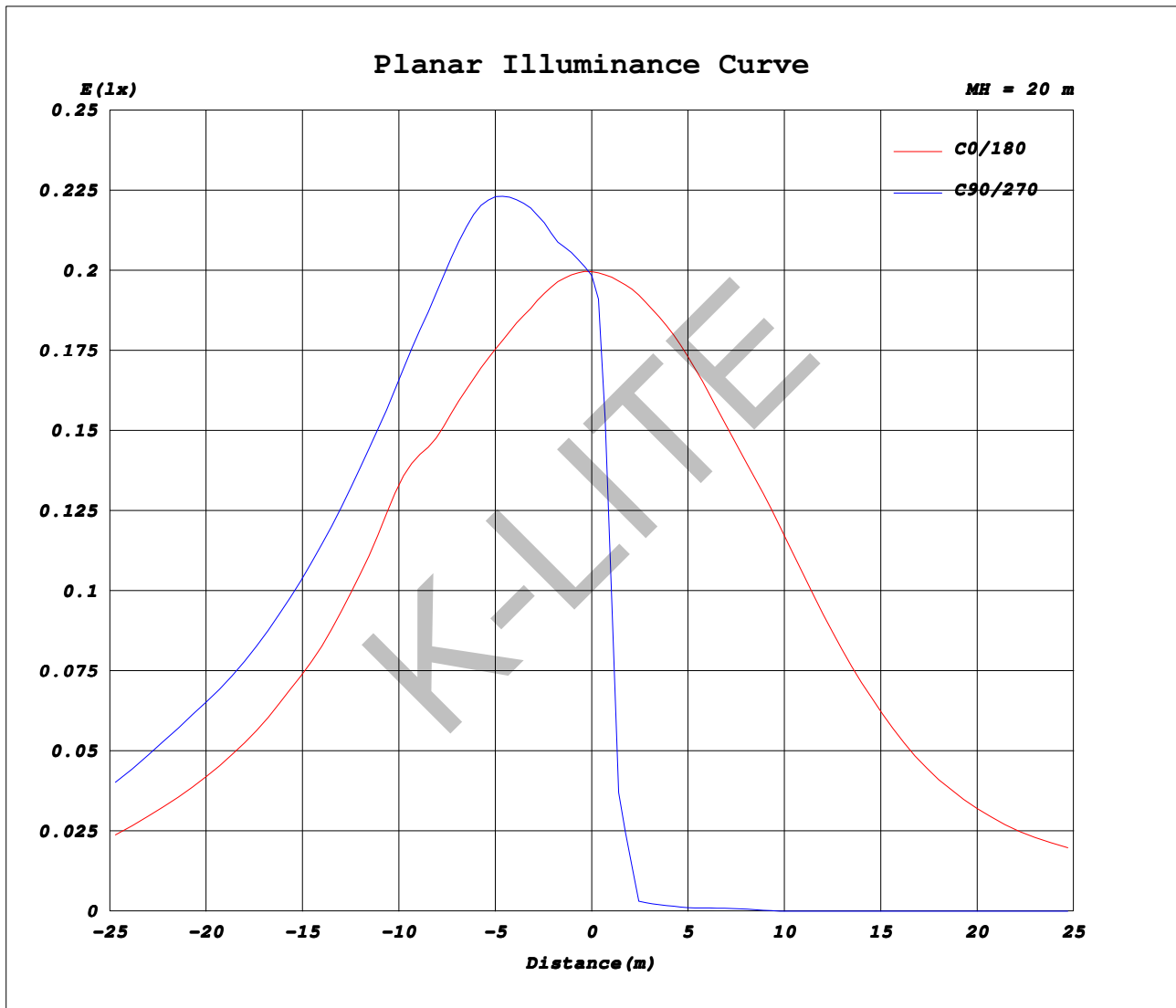
AvgL	cd/m2
L_0~180 (65) av	204
L_0~180 (75) av	31
L_0~180 (85) av	6
L_90~270 (65) av	384
L_90~270 (75) av	90
L_90~270 (85) av	82
L_45 (65) av	411
L_45 (75) av	97
L_45 (85) av	61

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:K-LITE
Test Date:20 October 2020

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.417
Humidity:65.0%
Test Distance:1.852m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: K-LITE
Test Date: 20 October 2020

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.417
Humidity: 65.0%
Test Distance: 1.852m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.39V I:0.0129A P:2.7954W PF:0.9382 Freq:49.99Hz Lamp Flux:135.602x1 lm		
NAME: SUDO MINI - SPOT	TYPE:PATH FINDERS	WEIGHT:0.421kg
SPEC.:WW, OSRAM 3030	DIM.: 76 x 110 x 130	SERIAL No.:2149
MFR.: K-LITE	SUR.:	Shielding 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	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
5	79.2	80.0	81.0	82.0	82.8	83.5	84.1	84.5	84.6	84.6	84.5	84.2	83.6	82.9	82.3	81.5	80.7	79.7	78.8
10	77.5	79.7	81.8	84.1	86.5	88.6	90.3	91.7	92.4	92.7	92.2	90.9	89.1	87.0	84.7	82.4	80.9	79.1	77.3
15	76.3	79.8	83.3	87.2	90.5	92.9	95.1	96.8	98.0	98.7	97.3	95.2	93.1	90.6	87.5	83.9	80.0	77.8	74.9
20	74.6	79.3	84.9	90.3	93.7	96.2	97.1	97.9	97.9	98.5	97.2	96.1	94.6	92.5	90.2	86.2	79.6	75.0	71.2
25	74.8	80.8	87.6	93.3	95.3	95.4	94.9	94.8	94.0	94.5	93.6	93.0	92.4	92.5	91.8	88.0	80.1	72.2	67.1
30	68.1	77.9	88.9	94.2	92.8	90.6	89.4	89.1	88.7	89.1	88.1	86.9	86.2	87.6	87.7	86.4	78.8	68.2	60.2
35	59.9	73.4	86.3	89.4	86.5	84.7	83.8	83.8	83.3	83.5	82.3	80.9	80.0	78.6	80.7	81.6	75.8	64.0	51.7
40	53.6	70.0	82.6	82.3	78.9	77.9	79.4	78.8	78.2	78.1	76.7	75.3	73.6	72.7	73.1	74.5	71.9	60.1	43.0
45	47.4	65.7	74.8	72.7	71.4	71.3	72.8	73.9	73.8	74.0	71.5	67.9	67.1	66.4	64.7	66.3	65.8	55.6	36.1
50	40.1	57.6	64.4	61.8	63.4	66.0	67.0	68.2	67.5	66.9	64.9	62.8	61.3	60.2	57.7	57.9	57.3	48.9	32.0
55	28.8	45.7	51.6	51.3	54.0	57.0	59.4	60.2	59.8	59.7	60.1	56.6	53.8	53.9	50.3	47.4	47.4	40.0	27.5
60	15.8	28.9	36.3	40.2	44.4	49.1	53.2	52.5	52.3	54.8	56.7	54.9	48.2	45.4	42.0	36.1	33.7	27.4	18.3
65	8.30	16.7	18.7	28.1	36.2	40.6	39.5	35.9	33.5	32.4	31.7	35.3	38.7	33.5	27.5	22.6	15.9	12.3	8.95
70	3.59	9.12	11.1	14.1	15.1	19.1	15.2	14.4	11.9	11.4	10.7	10.5	11.2	15.5	14.6	11.7	8.73	6.10	2.89
75	1.00	1.79	3.42	5.24	5.62	5.70	5.16	4.70	4.76	4.65	4.41	4.19	4.17	4.24	4.21	2.77	1.85	1.10	0.59
80	0.41	0.74	1.01	1.50	1.94	2.21	2.17	2.26	2.28	2.30	2.25	2.21	2.11	2.04	1.63	1.22	0.80	0.48	0.21
85	0.09	0.29	0.49	0.75	0.98	1.15	1.25	1.36	1.41	1.44	1.41	1.37	1.29	1.17	0.94	0.67	0.39	0.17	0.02
90	0.01	0.11	0.25	0.40	0.53	0.68	0.80	0.91	0.95	0.98	0.94	0.89	0.77	0.64	0.49	0.34	0.20	0.06	0.00
95	0.00	0.00	0.00	0.06	0.34	0.41	0.47	0.52	0.55	0.57	0.56	0.52	0.46	0.39	0.31	0.13	0.00	0.00	0.00
100	0.00	0.07	0.13	0.19	0.00	0.04	0.31	0.35	0.37	0.38	0.37	0.34	0.30	0.06	0.00	0.16	0.10	0.03	0.00
105	0.00	0.05	0.11	0.15	0.17	0.04	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.02	0.15	0.12	0.08	0.02
110	0.00	0.05	0.09	0.11	0.11	0.00	0.00	0.11	0.02	0.00	0.03	0.09	0.00	0.00	0.05	0.09	0.06	0.02	0.00
115	0.00	0.00	0.04	0.01	0.00	0.00	0.03	0.13	0.14	0.13	0.13	0.12	0.10	0.00	0.00	0.00	0.03	0.02	0.00
120	0.00	0.00	0.00	0.00	0.00	0.01	0.11	0.11	0.11	0.11	0.10	0.10	0.08	0.02	0.00	0.00	0.00	0.00	0.00
125	0.00	0.00	0.00	0.00	0.00	0.08	0.10	0.10	0.10	0.10	0.09	0.08	0.08	0.06	0.00	0.00	0.00	0.00	0.00
130	0.00	0.00	0.00	0.02	0.05	0.06	0.07	0.08	0.09	0.08	0.08	0.07	0.05	0.04	0.04	0.02	0.00	0.00	0.00
135	0.00	0.01	0.03	0.04	0.04	0.04	0.04	0.05	0.05	0.05	0.04	0.04	0.03	0.03	0.03	0.03	0.00	0.00	0.00
140	0.00	0.01	0.02	0.00	0.03	0.04	0.03	0.03	0.04	0.04	0.03	0.03	0.03	0.03	0.03	0.00	0.01	0.00	0.00
145	0.00	0.01	0.01	0.02	0.00	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.00	0.01	0.00	0.00
150	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.03	0.03	0.03	0.03	0.02	0.02	0.01	0.00	0.00	0.01	0.00	0.00
155	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.02	0.02	0.01	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00
160	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:K-LITE
Test Date:20 October 2020

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.417
Humidity:65.0%
Test Distance:1.852m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.39V I:0.0129A P:2.7954W PF:0.9382 Freq:49.99Hz Lamp Flux:135.602x1 lm		
NAME: SUDO MINI - SPOT	TYPE:PATH FINDERS	WEIGHT:0.421kg
SPEC.:WW, OSRAM 3030	DIM.: 76 x 110 x 130	SERIAL No.:2149
MFR.: K-LITE	SUR.:	Shielding 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	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5		
5	77.0	67.2	48.4	34.0	16.8	18.1	5.25	4.54	10.0	15.1	6.20	19.1	21.4	38.7	54.2	71.3	78.0		
10	61.1	24.3	3.46	1.30	1.11	1.00	0.91	0.87	0.86	0.89	0.93	1.03	1.15	1.39	5.60	36.9	71.0		
15	34.8	1.64	1.06	0.82	0.66	0.57	0.49	0.47	0.47	0.47	0.50	0.59	0.70	0.90	1.17	5.78	56.4		
20	9.73	1.07	0.71	0.51	0.46	0.45	0.44	0.44	0.43	0.43	0.44	0.44	0.44	0.58	0.83	1.28	37.7		
25	1.52	0.76	0.46	0.42	0.40	0.31	0.19	0.13	0.11	0.14	0.22	0.35	0.41	0.43	0.57	0.97	18.6		
30	1.07	0.54	0.40	0.34	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.21	0.37	0.39	0.70	5.32		
35	0.81	0.38	0.33	0.07	0.00	0.00	0.00	0.01	0.01	0.01	0.00	0.00	0.00	0.18	0.34	0.49	1.35		
40	0.58	0.32	0.09	0.00	0.00	0.00	0.02	0.08	0.05	0.06	0.01	0.00	0.00	0.00	0.23	0.32	0.98		
45	0.43	0.24	0.00	0.00	0.00	0.01	0.02	0.02	0.01	0.02	0.01	0.00	0.00	0.00	0.04	0.27	0.75		
50	0.33	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.21	0.62		
55	0.27	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.14	0.56		
60	0.21	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.11	0.47		
65	0.16	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.09	0.37		
70	0.11	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.26		
75	0.07	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.18		
80	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.09		
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01		
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
115	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
125	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
130	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		

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C Interval: 10.0DEG
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Test Distance:1.852m [K=1.0000]
Remarks: