K-LITE GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINAIRE PHOTOMETRIC TEST REPORT

LumCAT: KL-22813 3000K
Luminaire: Recessed Underwater
Report No:
Ballast type:
Test No: 10037
LampCAT:
Lamp flux(lm): -1.0
Number of Lamps: 0
Dimension : Ø180 x 77
Phm Type: C

Voltage(V): 24.000
Current(A): 0.770
Power (W): 18.400
PF: 1.000
Width(mm): 0
Height(mm): 0

Photometric Results

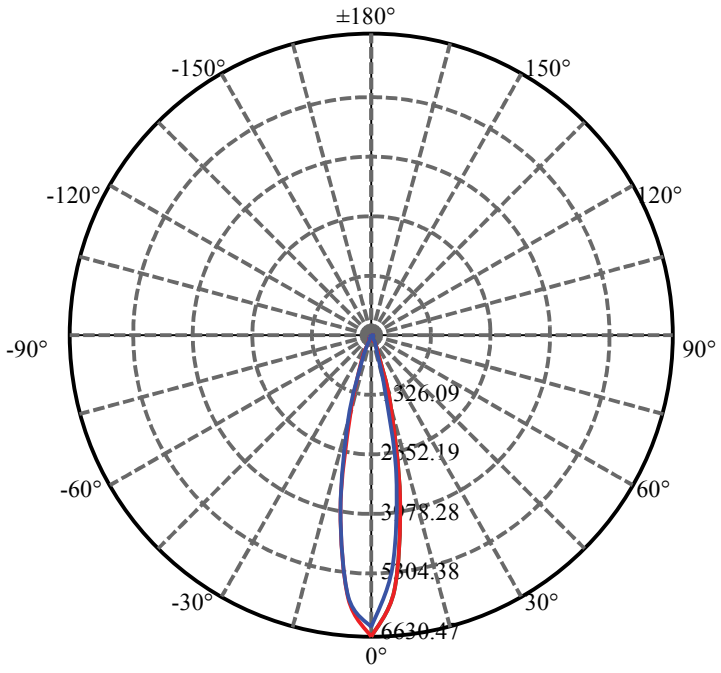
Lumens(lm): 1214.64, Efficiency(%): 0.00% , Luminous Efficacy(lm/W): 66.01
Central intensity(cd): 6630.469, Maximum intensity(cd): 6630.469
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=22.1
[C90/270]Total=21.5
Field angle(10%Imax): [C0/180]Total=39.1
[C90/270]Total=38.4
Maximum s/h(1/2): C0_180=0.38 C90_270=0.33
Maximum s/h(1/4): C0_180=0.38 C90_270=0.34
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 0.00%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 99.021%

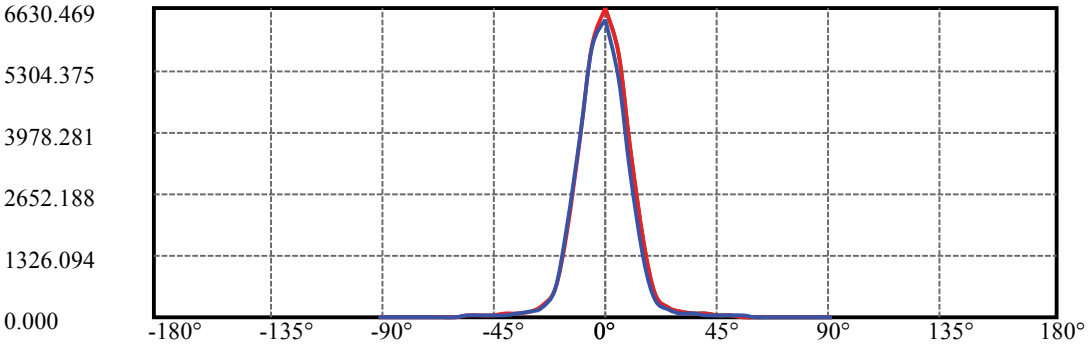
Equipment:
Temperature(°C): 0.0

Date: 2023/06/03
Humidity(%): 0.0%

Operator: K-Lite
Distance(m): 10.20

Light Distribution Curve [Unit:cd]





C0(Max):
C0/C180:
C90/C270:

Field angle(10%Imax):C0/180Left:19.8 Right:19.3
:C90/270Left:19.9 Right:18.5

Beam Angle(50%Imax):C0/180Left:11.3 Right:10.8
:C90/270Left:11.8 Right:9.7

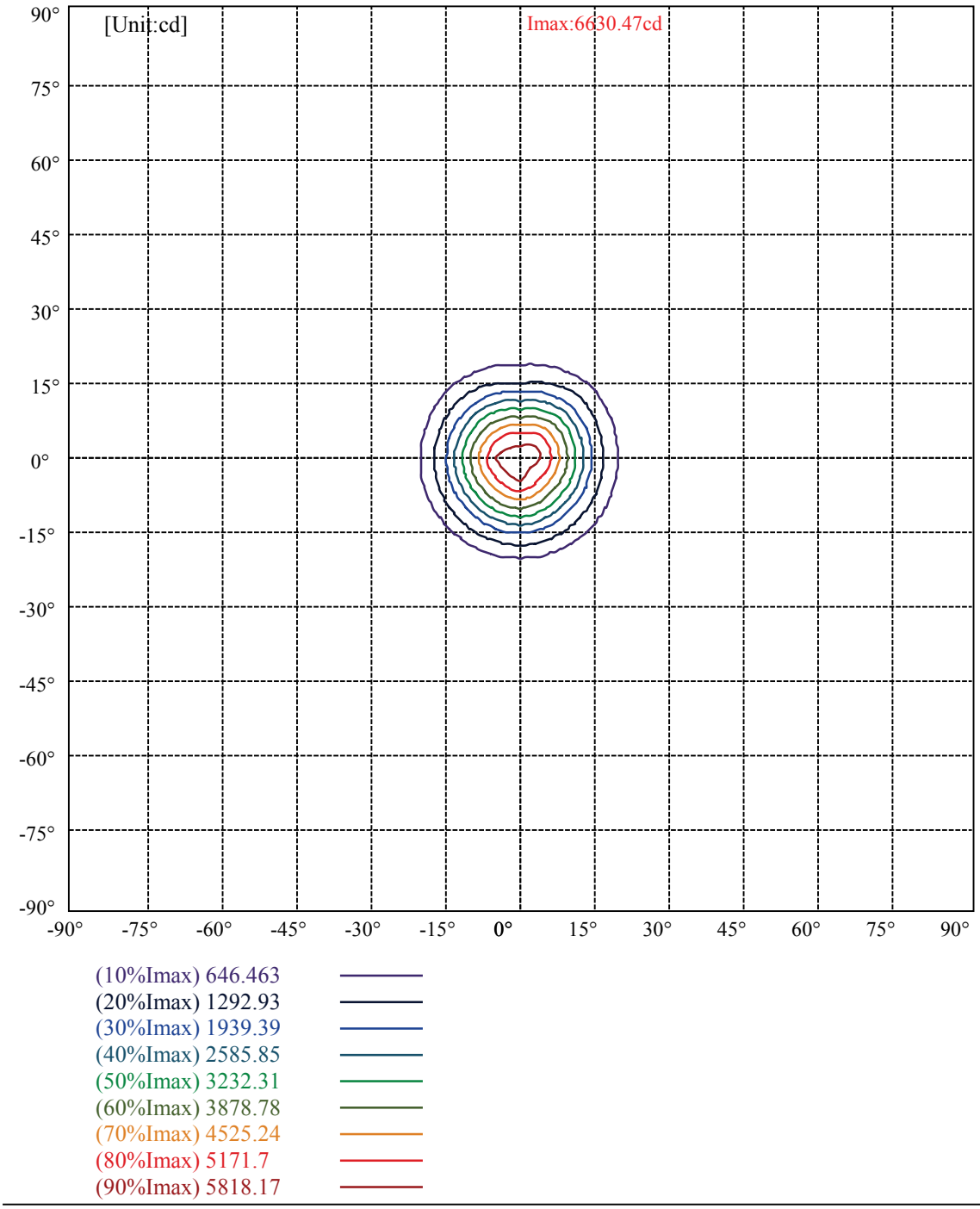
Lux distance Curve

Illuminance at a Distance

	Center Beam LUX	Beam Width H	Beam Width V
2m	1657.62 LUX	0.8m	0.8m
4m	414.40 LUX	1.6m	1.5m
6m	184.18 LUX	2.4m	2.3m
8m	103.60 LUX	3.2m	3.0m
10m	66.30 LUX	4.0m	3.8m
12m	46.04 LUX	4.8m	4.6m

Horiz.Spread:22.7 Vert.Spread:21.5

ISO-Intensity(V-H)



Equipment:
Temperature(°C): 0.0

Date: 2023/06/03
Humidity(%): 0.0%

Operator: K-Lite
Distance(m): 10.20