



NATA LIGHTING CO.,LTD.
www.nata.cn
Email:info@nata.com
Tel:+86-750-3770000 Fax:+86-750-3771111
Address:380JinOu Road,GaoXin Zone,Jiang Men City,Guangdong,China

NT

Client: NT

LumCAT: 62-0072

Luminaire: 92.70.429.00

Report No: 2024724-B009

Ballast type: AC

Test No: 2024724-C009

Voltage(V): 35.230

LampCAT: CREE CXA1820 LES12

Current(A): 0.544

Lamp flux(lm): 3022.2

Power (W): 19.165

Number of Lamps: 1

PF: 0.000

Length(mm): 68

Width(mm): 68

Phm Type: C

Height(mm): 34

Photometric Results

Lumens(lm): 2842.23, Efficiency(%): 94.05% , Luminous Efficacy(lm/W): 148.30

Central intensity(cd): 6825.099, Maximum intensity(cd): 6825.099

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=36.2

[C90/270]Total=36.2

Field angle(10%Imax): [C0/180]Total=57.4

[C90/270]Total=57.4

Maximum s/h(1/2): C0_180=0.60 C90_270=0.60

Maximum s/h(1/4): C0_180=0.58 C90_270=0.58

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 94.05%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 95.992%

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/7/24
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	6825.099	0.000	0	0.00%	0.00%
1.0	6814.272	6.526	6.526	0.22%	0.23%
2.0	6789.620	19.526	26.052	0.65%	0.92%
3.0	6747.483	32.376	58.428	1.07%	2.06%
4.0	6682.523	44.955	103.383	1.49%	3.64%
5.0	6597.519	57.130	160.513	1.89%	5.65%
6.0	6485.376	68.754	229.267	2.27%	8.07%
7.0	6357.285	79.714	308.981	2.64%	10.87%
8.0	6196.494	89.845	398.826	2.97%	14.03%
9.0	5994.299	98.800	497.626	3.27%	17.51%
10.0	5789.031	106.635	604.26	3.53%	21.26%
11.0	5542.359	113.224	717.484	3.75%	25.24%
12.0	5298.100	118.502	835.986	3.92%	29.41%
13.0	4990.345	122.098	958.084	4.04%	33.71%
14.0	4696.562	123.992	1082.076	4.10%	38.07%
15.0	4403.511	124.930	1207.005	4.13%	42.47%
16.0	4108.411	124.723	1331.729	4.13%	46.86%
17.0	3767.079	122.643	1454.371	4.06%	51.17%
18.0	3448.277	118.966	1573.337	3.94%	55.36%
19.0	3152.227	114.835	1688.172	3.80%	59.40%
20.0	2830.133	109.494	1797.666	3.62%	63.25%
21.0	2509.650	102.535	1900.201	3.39%	66.86%
22.0	2206.723	94.778	1994.978	3.14%	70.19%
23.0	1902.698	86.227	2081.205	2.85%	73.22%
24.0	1537.803	75.222	2156.427	2.49%	75.87%
25.0	1333.077	65.278	2221.704	2.16%	78.17%
26.0	1168.314	59.046	2280.75	1.95%	80.25%
27.0	969.806	52.310	2333.059	1.73%	82.09%
28.0	789.864	44.551	2377.611	1.47%	83.65%
29.0	634.903	37.276	2414.886	1.23%	84.96%
30.0	500.909	30.667	2445.553	1.01%	86.04%
31.0	401.091	25.101	2470.655	0.83%	86.93%
32.0	323.095	20.747	2491.402	0.69%	87.66%
33.0	270.447	17.486	2508.888	0.58%	88.27%
34.0	242.795	15.532	2524.42	0.51%	88.82%
35.0	192.495	13.519	2537.938	0.45%	89.29%
36.0	155.253	11.072	2549.011	0.37%	89.68%
37.0	137.930	9.562	2558.573	0.32%	90.02%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	126.211	8.817	2567.389	0.29%	90.33%
39.0	118.457	8.351	2575.741	0.28%	90.62%
40.0	112.385	8.051	2583.792	0.27%	90.91%
41.0	108.003	7.848	2591.639	0.26%	91.18%
42.0	104.024	7.703	2599.343	0.25%	91.45%
43.0	100.995	7.594	2606.937	0.25%	91.72%
44.0	98.318	7.523	2614.46	0.25%	91.99%
45.0	95.882	7.463	2621.923	0.25%	92.25%
46.0	93.819	7.419	2629.342	0.25%	92.51%
47.0	91.719	7.379	2636.721	0.24%	92.77%
48.0	90.132	7.351	2644.073	0.24%	93.03%
49.0	88.566	7.338	2651.411	0.24%	93.29%
50.0	86.957	7.318	2658.729	0.24%	93.54%
51.0	85.297	7.288	2666.017	0.24%	93.80%
52.0	83.731	7.253	2673.27	0.24%	94.06%
53.0	82.246	7.220	2680.49	0.24%	94.31%
54.0	80.468	7.172	2687.662	0.24%	94.56%
55.0	78.559	7.099	2694.761	0.23%	94.81%
56.0	76.335	6.999	2701.76	0.23%	95.06%
57.0	73.921	6.870	2708.63	0.23%	95.30%
58.0	71.339	6.717	2715.347	0.22%	95.54%
59.0	68.881	6.555	2721.903	0.22%	95.77%
60.0	66.606	6.401	2728.304	0.21%	95.99%
61.0	64.082	6.237	2734.54	0.21%	96.21%
62.0	61.683	6.060	2740.6	0.20%	96.42%
63.0	58.786	5.859	2746.459	0.19%	96.63%
64.0	56.072	5.636	2752.095	0.19%	96.83%
65.0	53.526	5.424	2757.519	0.18%	97.02%
66.0	50.944	5.212	2762.732	0.17%	97.20%
67.0	48.405	4.996	2767.727	0.17%	97.38%
68.0	46.233	4.794	2772.521	0.16%	97.55%
69.0	44.316	4.619	2777.141	0.15%	97.71%
70.0	42.385	4.453	2781.593	0.15%	97.87%
71.0	40.659	4.292	2785.886	0.14%	98.02%
72.0	39.035	4.144	2790.029	0.14%	98.16%
73.0	37.601	4.007	2794.037	0.13%	98.30%
74.0	36.196	3.880	2797.917	0.13%	98.44%
75.0	34.601	3.741	2801.657	0.12%	98.57%

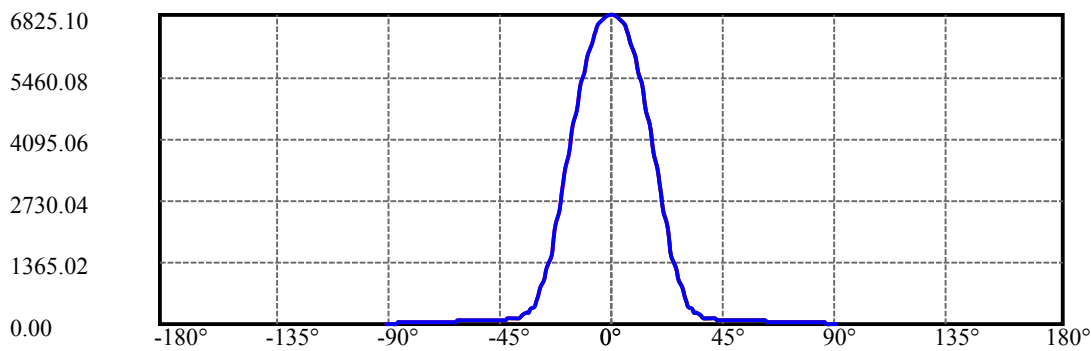
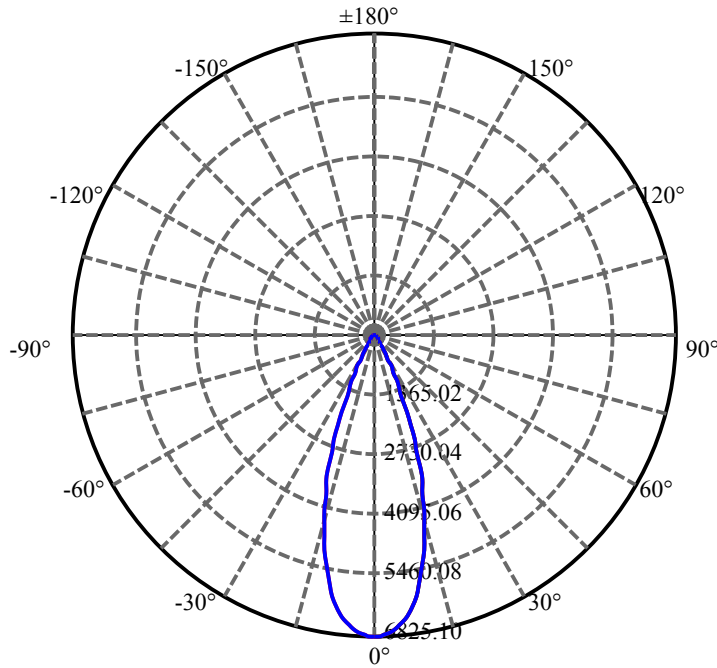
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	33.182	3.598	2805.255	0.12%	98.70%
77.0	31.822	3.466	2808.721	0.11%	98.82%
78.0	30.541	3.338	2812.059	0.11%	98.94%
79.0	29.225	3.211	2815.271	0.11%	99.05%
80.0	27.908	3.080	2818.351	0.10%	99.16%
81.0	26.935	2.966	2821.317	0.10%	99.26%
82.0	25.684	2.853	2824.17	0.09%	99.36%
83.0	24.236	2.714	2826.884	0.09%	99.46%
84.0	22.619	2.553	2829.436	0.08%	99.55%
85.0	21.288	2.396	2831.833	0.08%	99.63%
86.0	20.154	2.265	2834.098	0.07%	99.71%
87.0	19.217	2.155	2836.253	0.07%	99.79%
88.0	18.391	2.060	2838.313	0.07%	99.86%
89.0	17.784	1.983	2840.295	0.07%	99.93%
90.0	17.469	1.933	2842.228	0.06%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	2445.55	80.92%	86.04%
0-40	2583.79	85.49%	90.91%
0-60	2728.30	90.28%	95.99%
0-90	2840.30	93.98%	99.93%
0-120	2840.30	93.98%	99.93%
0-180	2842.23	94.05%	100.00%
60-90	111.99	3.71%	3.94%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-25.88	2273.78	75.24%	80.00%

ZONAL LUMEN SUMMARY

0-10	604.26
10-20	1193.41
20-30	647.89
30-40	138.24
40-50	74.94
50-60	69.57
60-70	53.29
70-80	36.76
80-90	21.94
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00



C0(Max): —————

C0/C180: —————

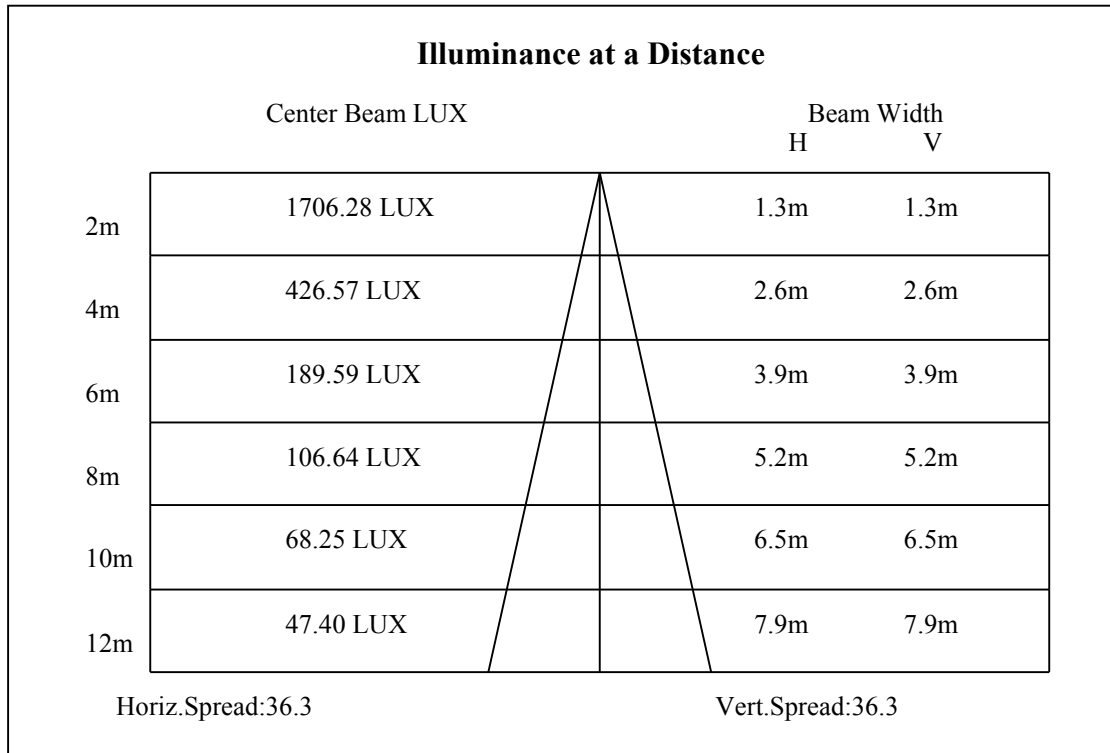
C90/C270: —————

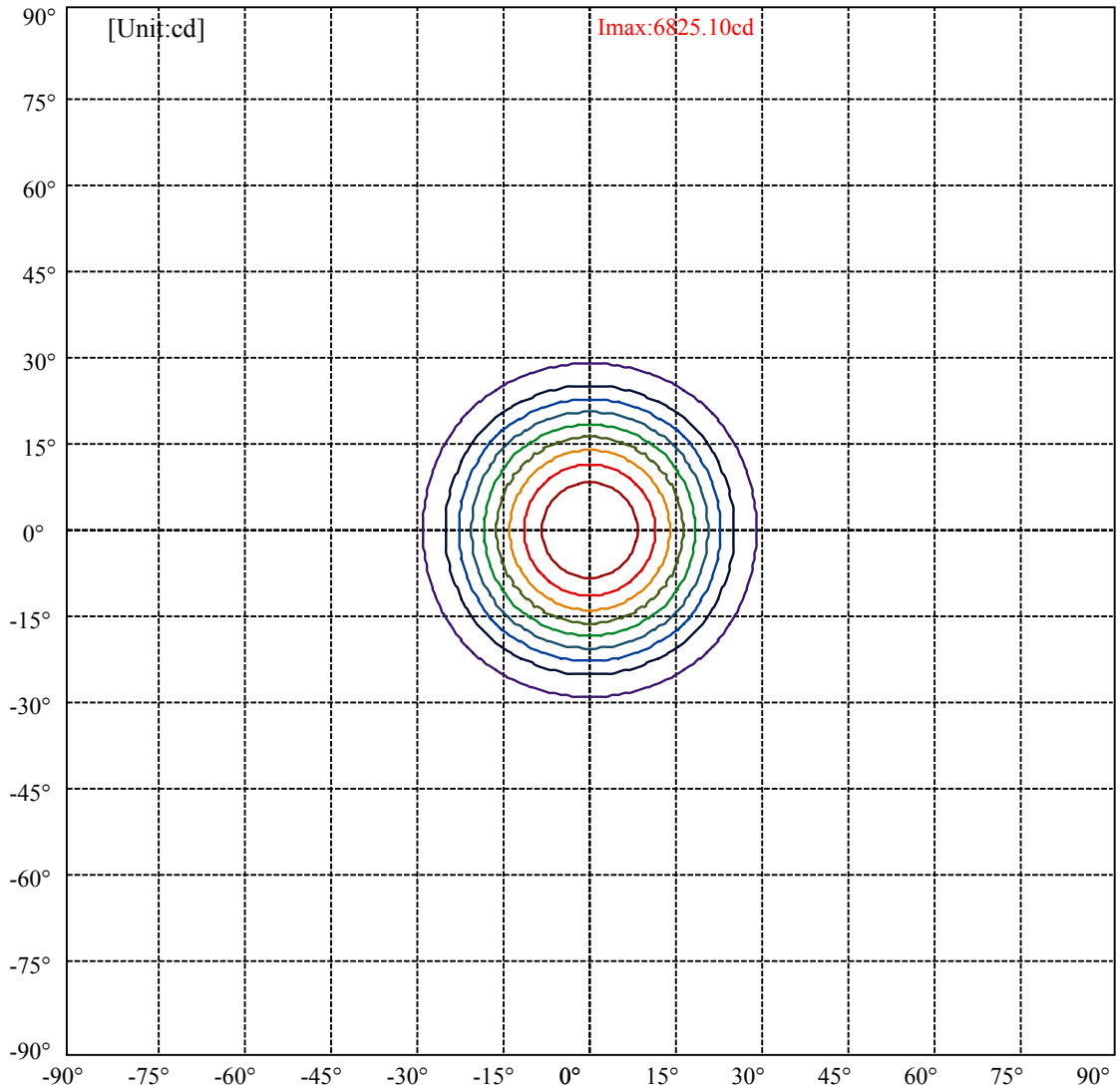
Field angle(10%Imax):C0/180Left:28.7 Right:28.7

:C90/270Left:28.7 Right:28.7

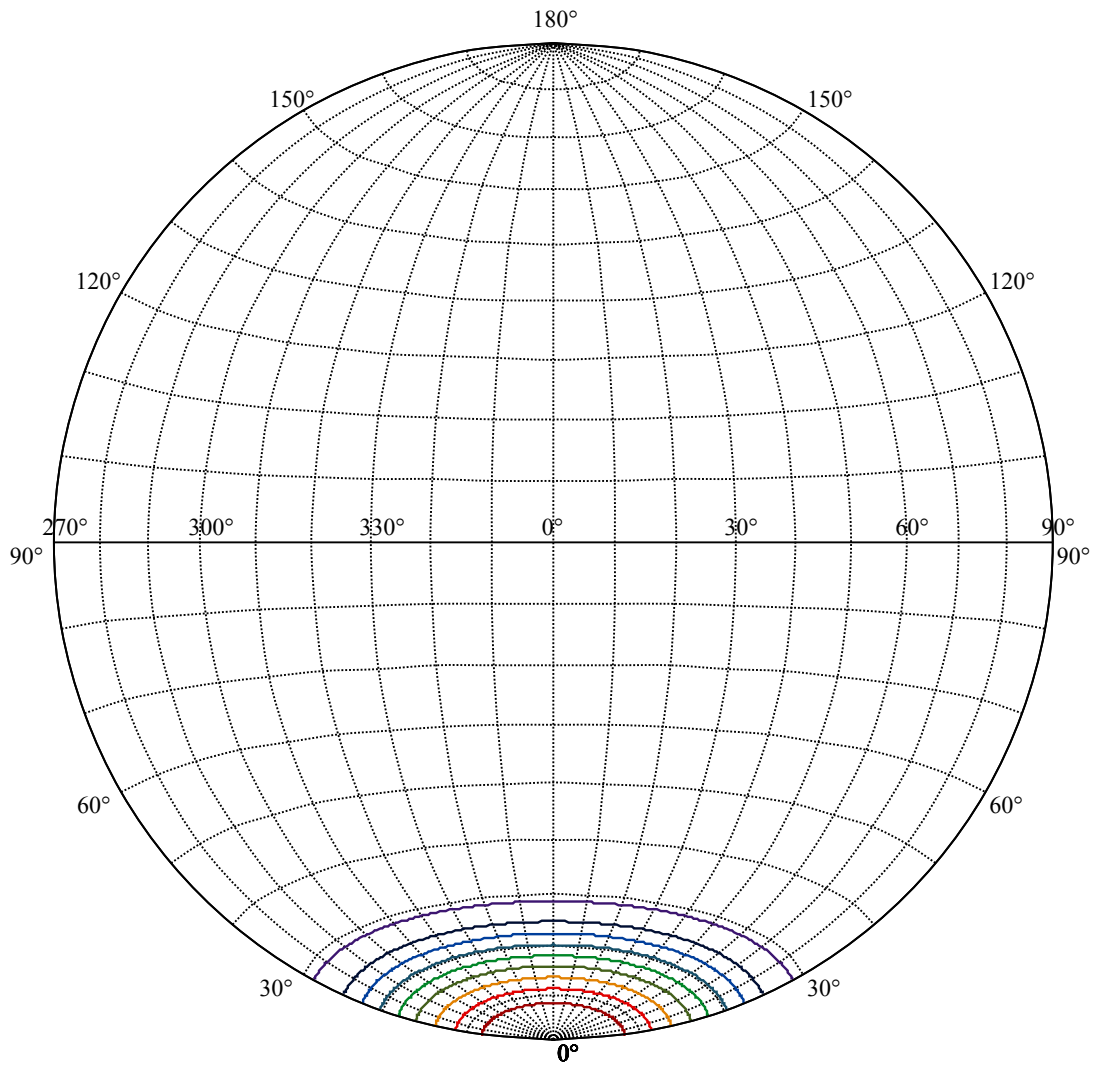
Beam Angle(50%Imax):C0/180Left:18.1 Right:18.1

:C90/270Left:18.1 Right:18.1





(10%Imax) 682.51	—
(20%Imax) 1365.02	—
(30%Imax) 2047.53	—
(40%Imax) 2730.04	—
(50%Imax) 3412.55	—
(60%Imax) 4095.06	—
(70%Imax) 4777.57	—
(80%Imax) 5460.08	—
(90%Imax) 6142.59	—



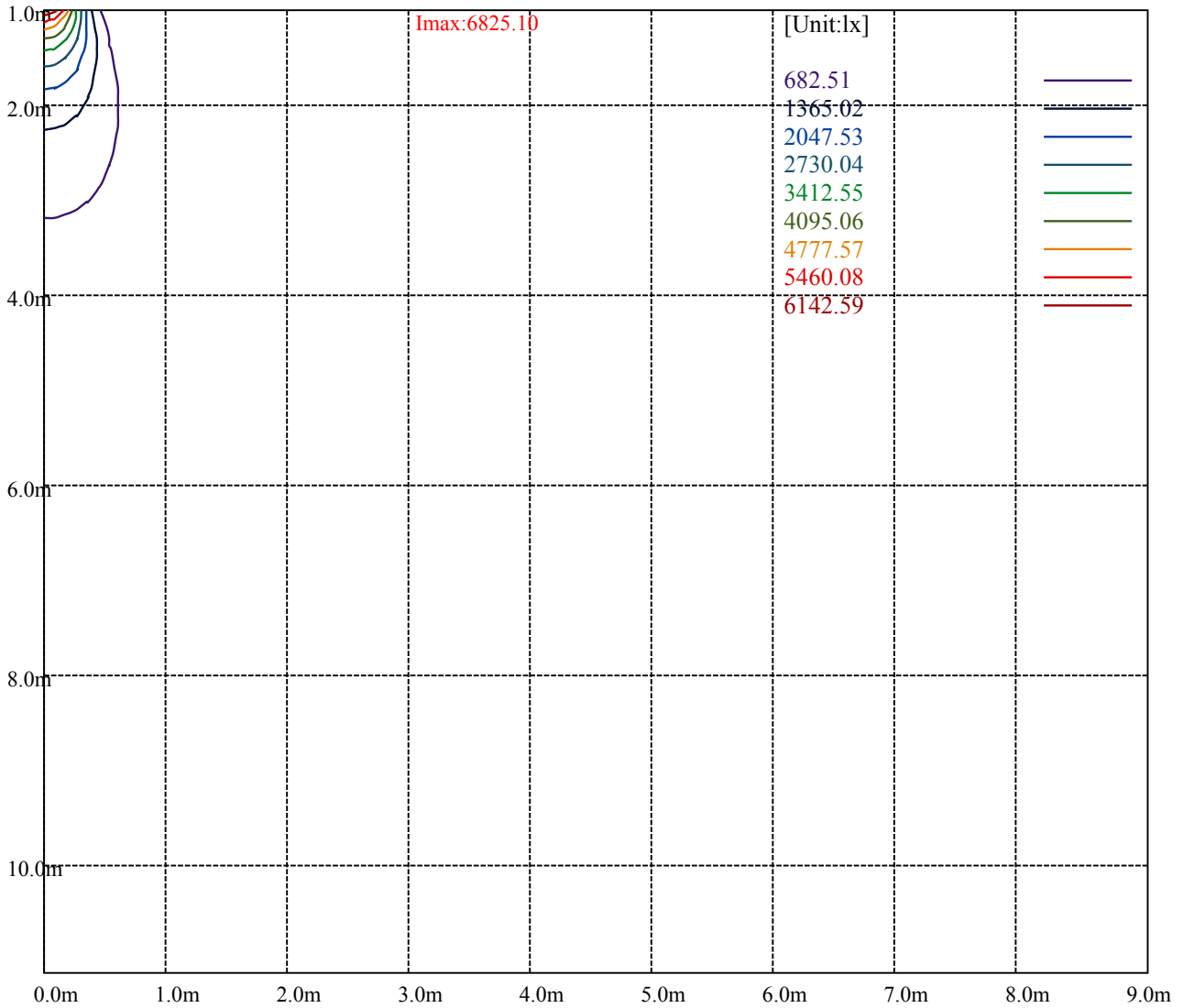
House

[Unit:cd]

Road

Imax:6825.10

- (10%Imax) 682.51
- (20%Imax) 1365.02
- (30%Imax) 2047.53
- (40%Imax) 2730.04
- (50%Imax) 3412.55
- (60%Imax) 4095.06
- (70%Imax) 4777.57
- (80%Imax) 5460.08
- (90%Imax) 6142.59



Luminance Table

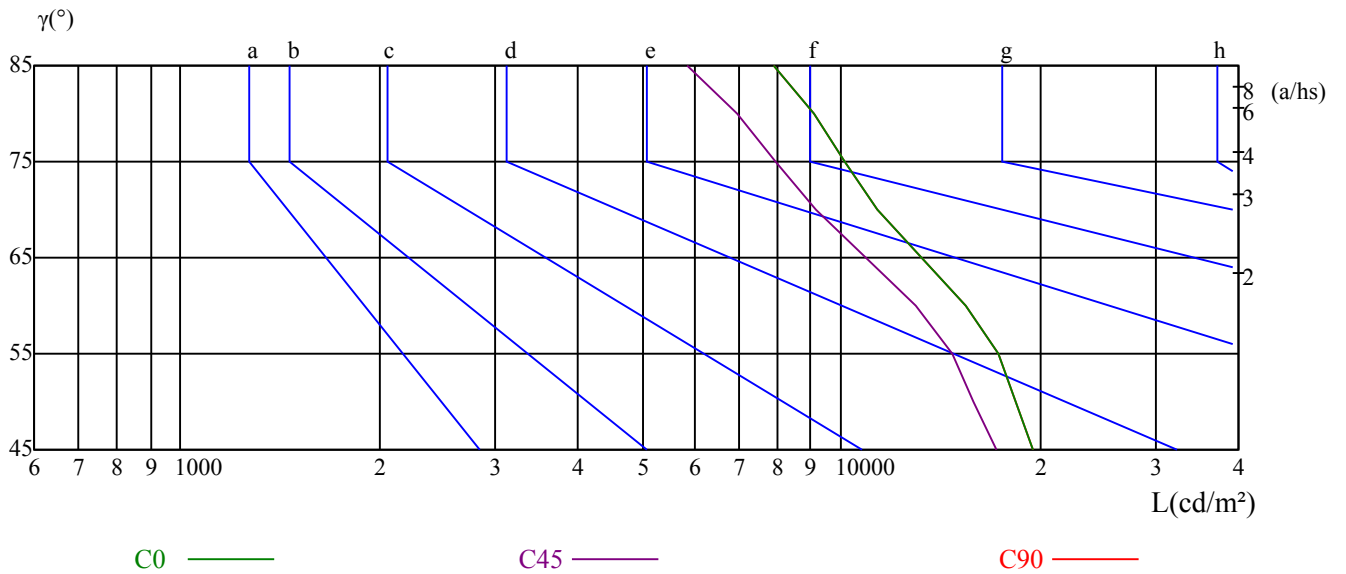
γ	45	50	55	60	65	70	75	80	85
C0	19588	18373	17323	15481	13258	11329	10127	9101	7906
C45	17220	15920	14781	12991	10924	9143	7979	6970	5847
C90	19588	18373	17323	15481	13258	11329	10127	9101	7906

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
27390	27390	27390	28912	28912	28912	52822	52822	52822

Glare Table

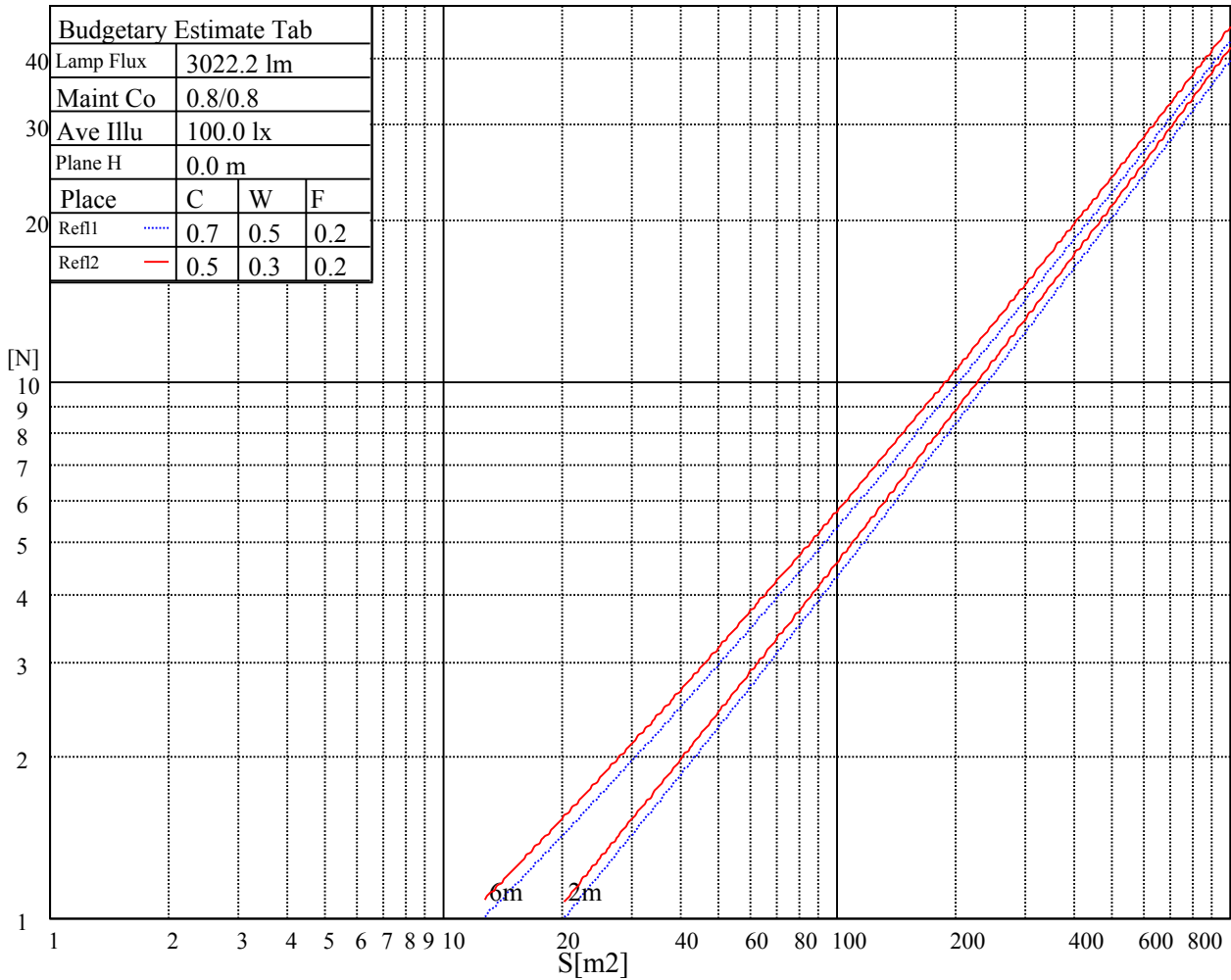
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

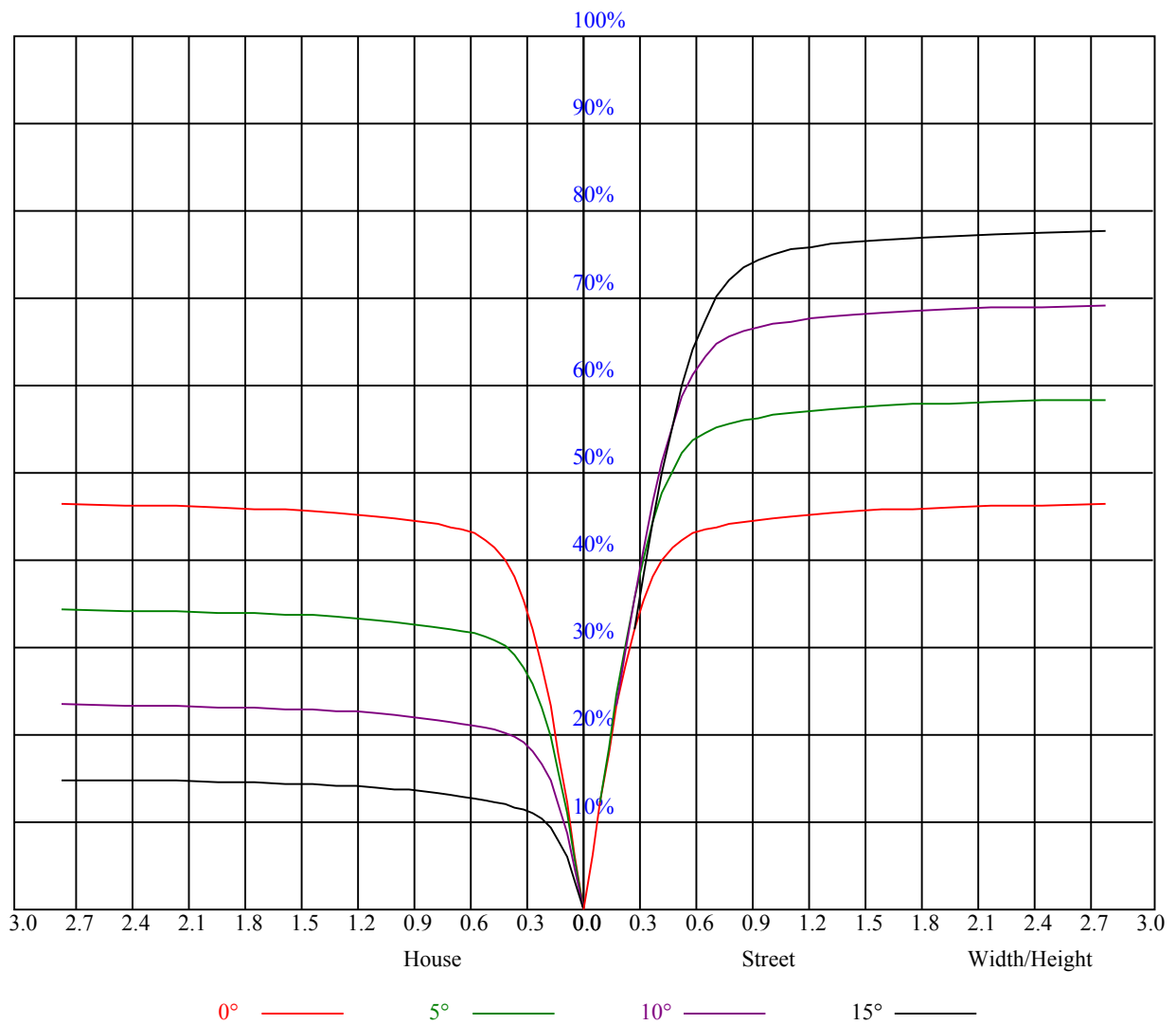


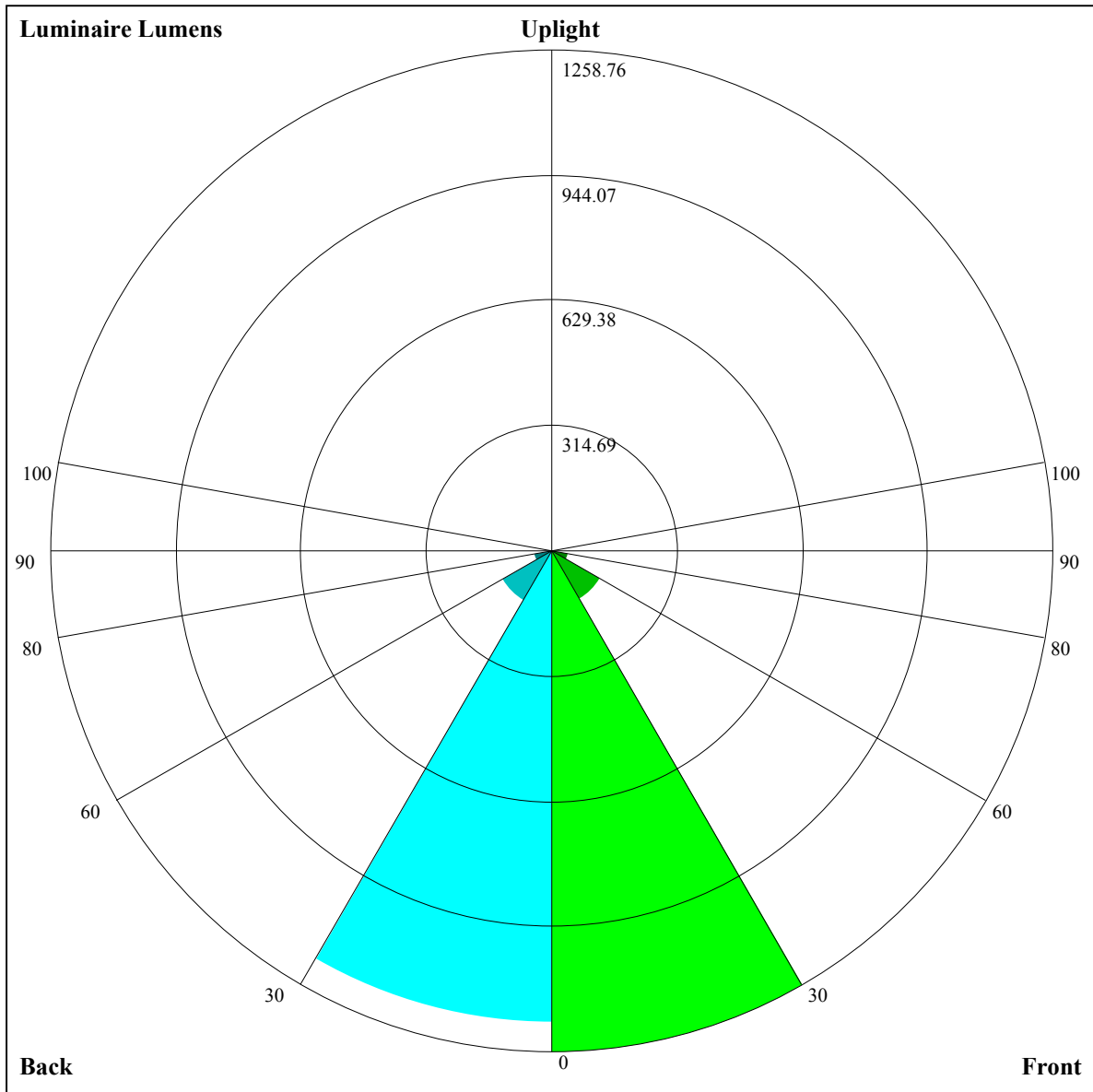
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	16.18	17.20	16.54	17.51	17.83	16.01	17.03	16.37	17.34	17.66
	3H	17.45	18.36	17.83	18.70	19.04	17.35	18.26	17.73	18.60	18.94
	4H	18.01	18.85	18.41	19.21	19.58	17.95	18.80	18.35	19.15	19.52
	6H	18.57	19.34	18.98	19.72	20.12	18.54	19.32	18.96	19.70	20.10
	8H	18.81	19.55	19.23	19.94	20.34	18.80	19.55	19.22	19.93	20.34
	12H	19.02	19.72	19.44	20.12	20.53	19.03	19.74	19.45	20.13	20.55
4H	2H	16.66	17.51	17.06	17.86	18.23	16.53	17.38	16.93	17.73	18.10
	3H	18.07	18.79	18.50	19.18	19.60	18.00	18.72	18.43	19.11	19.53
	4H	18.81	19.43	19.24	19.85	20.30	18.78	19.40	19.22	19.82	20.27
	6H	19.47	20.02	19.94	20.47	20.92	19.47	20.02	19.94	20.47	20.93
	8H	19.81	20.32	20.29	20.78	21.25	19.83	20.34	20.31	20.80	21.27
	12H	20.11	20.58	20.60	21.03	21.55	20.15	20.62	20.64	21.07	21.59
8H	4H	19.01	19.52	19.50	19.98	20.45	18.99	19.50	19.47	19.96	20.43
	6H	19.85	20.27	20.35	20.74	21.25	19.85	20.27	20.36	20.75	21.26
	8H	20.34	20.70	20.88	21.22	21.72	20.37	20.72	20.90	21.25	21.74
	12H	20.77	21.04	21.31	21.56	22.08	20.81	21.09	21.35	21.61	22.13
12H	4H	19.04	19.51	19.53	19.96	20.48	19.01	19.48	19.50	19.93	20.45
	6H	19.97	20.32	20.50	20.84	21.34	19.97	20.33	20.50	20.85	21.35
	8H	20.48	20.76	21.02	21.28	21.80	20.51	20.78	21.05	21.30	21.82
Variation with the observer position at spacings:											
S = 1.0H	0.7/-0.8					0.7/-0.8					
S = 1.5H	1.0/-0.8					1.0/-0.8					
S = 2.0H	1.9/-0.9					1.9/-0.9					
Standard tables:	BKBF					BKBF					
Uncorrected UGR	4.7					4.7					

UGR calculation is based on CIE Publ. 117 ,S/H = 0.25



RHOCC	80			70			50			30			10			0
RHOW	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR	COEFFICIENTS OF UTILIZATION RHOF=20 CU															
0	1.12	1.12	1.12	1.09	1.09	1.09	1.04	1.04	1.04	1.00	1.00	1.00	0.96	0.96	0.96	0.94
1	1.04	1.02	1.00	1.02	1.00	0.98	0.98	0.97	0.95	0.95	0.94	0.92	0.92	0.91	0.90	0.88
2	0.98	0.94	0.91	0.96	0.93	0.90	0.93	0.91	0.88	0.90	0.88	0.86	0.88	0.86	0.85	0.83
3	0.92	0.88	0.85	0.91	0.87	0.84	0.89	0.85	0.83	0.86	0.84	0.81	0.84	0.82	0.80	0.79
4	0.87	0.83	0.79	0.86	0.82	0.79	0.84	0.81	0.78	0.83	0.79	0.77	0.81	0.78	0.76	0.75
5	0.83	0.78	0.75	0.82	0.78	0.74	0.81	0.77	0.74	0.79	0.76	0.73	0.78	0.75	0.73	0.71
6	0.79	0.75	0.71	0.79	0.74	0.71	0.77	0.73	0.70	0.76	0.73	0.70	0.75	0.72	0.69	0.68
7	0.76	0.71	0.68	0.75	0.71	0.68	0.74	0.70	0.67	0.73	0.70	0.67	0.72	0.69	0.66	0.65
8	0.73	0.68	0.65	0.72	0.68	0.65	0.71	0.67	0.64	0.71	0.67	0.64	0.70	0.66	0.64	0.63
9	0.70	0.65	0.62	0.70	0.65	0.62	0.69	0.65	0.62	0.68	0.64	0.62	0.67	0.64	0.61	0.60
10	0.67	0.63	0.60	0.67	0.63	0.60	0.66	0.62	0.59	0.66	0.62	0.59	0.65	0.62	0.59	0.58





Luminaire Lumens:

FL=1258.76,FM=138.56,FH=44.37,FVH=11.65

BL=1183.32,BM=144.84,BH=45.6,BVH=12.23

UL=0,UH=0

BUG Rating:B3-U0-G1

Intensity data(cd)

C/γ(°)	0.0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0
0.0	6878.21	6922.69	6965.99	6984.72	7005.20	6976.53	6916.83	6837.24	6674.55
45.0	6777.55	6816.17	6855.97	6867.67	6848.95	6819.10	6772.28	6702.64	6575.06
90.0	6796.86	6765.84	6714.34	6652.90	6551.65	6451.58	6329.85	6149.60	6000.37
135.0	6847.78	6782.82	6721.37	6596.13	6482.60	6366.14	6178.28	6027.88	5853.48
180.0	6878.21	6783.40	6690.35	6592.62	6448.65	6304.69	6110.39	5939.51	5758.09
225.0	6777.55	6726.63	6634.75	6535.27	6431.68	6266.65	6123.85	5954.72	5762.18
270.0	6796.86	6820.86	6814.42	6809.74	6761.75	6707.91	6632.41	6534.68	6374.91
315.0	6847.78	6895.76	6919.76	6940.83	6929.71	6887.57	6819.10	6712.00	6573.31
360.0	6878.21	6922.69	6965.99	6984.72	7005.20	6976.53	6916.83	6837.24	6674.55
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	6507.18	6296.49	5983.40	5714.78	5340.82	5031.24	4716.39	4386.91	3980.76
45.0	6443.97	6271.91	6090.50	5866.35	5547.41	5281.13	4907.76	4606.36	4287.42
90.0	5813.68	5569.64	5339.07	5096.20	4838.70	4507.46	4232.99	3958.52	3680.54
135.0	5627.58	5422.17	5222.61	4998.47	4717.56	4484.64	4238.84	3983.69	3659.47
180.0	5501.17	5291.66	5073.37	4850.99	4559.55	4312.58	4068.54	3825.67	3497.95
225.0	5507.03	5298.10	5067.52	4818.80	4507.46	4232.41	3950.33	3607.39	3327.65
270.0	6215.15	6031.97	5755.16	5514.63	5176.96	4877.32	4583.54	4288.59	3901.17
315.0	6338.63	6130.29	5807.25	5524.58	5234.31	4845.72	4529.70	4210.17	3859.68
360.0	6507.18	6296.49	5983.40	5714.78	5340.82	5031.24	4716.39	4386.91	3980.76
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	3650.11	3316.53	2987.05	2579.73	2260.20	1954.71	1446.15	1158.86	1101.80
45.0	3897.07	3591.00	3274.39	2874.68	2563.34	2251.42	1947.10	1598.31	1332.03
90.0	3334.67	3043.81	2693.85	2421.13	2150.18	1824.79	1404.01	1145.52	1094.96
135.0	3404.31	3152.08	2838.40	2596.70	2299.41	2071.76	1857.56	1603.58	1401.09
180.0	3253.32	2989.39	2665.17	2415.28	2180.02	1899.70	1683.75	1433.27	1240.15
225.0	2973.59	2686.83	2402.99	2128.52	1809.57	1401.67	1157.28	1157.28	934.37
270.0	3602.70	3289.61	2958.37	2556.32	2263.71	1979.87	1652.15	1413.38	1190.99
315.0	3470.44	3148.57	2820.84	2504.82	2127.35	1837.67	1154.41	1154.41	1051.12
360.0	3650.11	3316.53	2987.05	2579.73	2260.20	1954.71	1446.15	1158.86	1101.80
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	891.36	672.48	537.35	430.20	327.90	267.27	214.37	185.11	163.57
45.0	1090.92	876.73	654.34	517.40	411.47	312.57	296.18	296.18	176.09
90.0	901.25	730.89	586.45	435.70	343.76	273.48	223.38	179.72	155.61
135.0	1209.13	1030.05	865.61	685.94	563.63	456.53	365.24	307.89	307.89
180.0	1064.00	904.82	756.17	594.65	483.45	390.99	314.91	298.52	229.00
225.0	783.03	650.65	534.60	415.80	340.78	278.57	219.05	185.17	155.32
270.0	952.80	783.67	605.18	491.06	400.94	327.20	297.35	297.35	184.05
315.0	865.96	669.61	539.52	436.52	336.80	278.16	233.10	192.42	168.43
360.0	891.36	672.48	537.35	430.20	327.90	267.27	214.37	185.11	163.57
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	148.18	137.47	126.82	120.56	116.28	112.30	108.09	105.34	102.36
45.0	155.90	140.45	126.99	119.03	113.59	109.38	104.87	102.06	99.31
90.0	138.76	127.17	117.45	111.90	106.75	103.41	100.37	97.03	94.75
135.0	178.14	147.89	133.08	122.49	114.00	109.14	104.29	100.95	98.14
180.0	169.25	143.44	128.98	119.15	109.96	104.93	100.19	97.38	94.81
225.0	138.05	126.12	117.63	109.91	105.05	101.42	98.79	95.68	93.64
270.0	162.52	142.44	131.32	123.42	116.93	110.72	107.10	103.70	100.42
315.0	151.22	138.46	127.40	121.20	116.52	112.71	108.50	105.81	103.12
360.0	148.18	137.47	126.82	120.56	116.28	112.30	108.09	105.34	102.36

Intensity data(cd)

C/γ(°)	45.0	46.0	47.0	48.0	49.0	50.0	51.0	52.0	53.0
0.0	99.49	97.50	95.16	93.46	91.88	90.18	88.72	87.02	85.27
45.0	96.50	93.69	91.88	90.12	88.13	86.67	85.03	83.28	81.93
90.0	92.52	90.77	88.49	86.91	85.44	83.86	81.87	80.53	79.30
135.0	95.51	92.70	90.89	89.25	87.90	86.09	84.86	83.63	82.28
180.0	92.64	90.83	88.84	87.49	86.38	85.09	83.39	82.28	81.00
225.0	91.65	90.12	88.31	86.85	85.03	83.80	82.75	80.94	79.47
270.0	98.43	96.56	94.10	92.52	90.89	88.95	87.37	85.85	84.51
315.0	100.31	98.38	96.09	94.46	92.88	91.00	88.37	86.32	84.21
360.0	99.49	97.50	95.16	93.46	91.88	90.18	88.72	87.02	85.27
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	83.34	80.41	77.78	75.20	71.98	69.41	66.89	64.02	61.39
45.0	80.00	78.48	76.66	74.62	71.92	69.52	67.48	65.19	62.91
90.0	78.24	77.60	75.26	71.40	68.65	66.25	63.38	61.04	59.05
135.0	80.59	79.18	76.96	75.08	72.57	70.75	68.71	66.31	64.26
180.0	79.06	77.48	75.44	73.68	71.87	69.64	67.77	65.60	63.38
225.0	77.95	75.79	73.74	71.69	69.52	66.83	64.73	62.44	60.22
270.0	82.52	80.53	78.30	75.55	72.57	70.05	67.71	64.90	62.33
315.0	82.05	79.01	76.55	74.15	71.63	68.59	66.19	63.15	59.93
360.0	83.34	80.41	77.78	75.20	71.98	69.41	66.89	64.02	61.39
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	57.64	54.84	52.14	49.74	47.05	45.06	42.90	40.97	39.09
45.0	60.04	57.41	54.78	51.32	48.69	46.23	44.42	42.49	40.20
90.0	56.59	53.78	51.50	49.33	47.29	45.12	43.37	41.43	40.03
135.0	61.68	59.40	56.83	54.43	51.62	49.10	47.29	45.18	43.42
180.0	60.92	58.58	55.95	53.49	50.45	48.46	46.70	44.48	42.78
225.0	57.18	54.48	51.97	48.75	46.94	44.59	42.72	40.97	39.50
270.0	59.17	56.47	53.96	51.68	48.92	47.05	45.12	43.25	41.26
315.0	57.06	53.61	51.09	48.81	46.29	44.24	42.02	40.32	38.98
360.0	57.64	54.84	52.14	49.74	47.05	45.06	42.90	40.97	39.09
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	37.63	36.23	34.88	33.24	32.01	30.49	29.32	28.21	26.98
45.0	38.68	37.40	36.05	34.41	33.12	31.84	30.67	29.14	27.97
90.0	38.68	37.04	35.70	34.35	32.71	31.43	30.14	28.91	27.45
135.0	41.32	40.03	38.62	36.99	35.64	34.29	33.07	31.78	30.26
180.0	41.02	39.33	37.98	36.17	34.82	33.53	32.25	30.96	29.50
225.0	37.92	36.58	35.23	33.83	32.25	30.90	29.67	28.15	27.04
270.0	39.80	38.39	36.75	35.23	33.65	32.07	30.72	29.26	27.86
315.0	37.22	35.82	34.35	32.60	31.25	30.02	28.50	27.39	26.22
360.0	37.63	36.23	34.88	33.24	32.01	30.49	29.32	28.21	26.98
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	26.22	24.76	23.17	21.59	20.42	19.25	18.43	17.91	17.09
45.0	26.92	25.81	23.99	22.59	21.13	19.90	18.90	17.85	17.26
90.0	26.57	25.69	23.82	22.36	21.19	20.01	18.96	18.14	17.50
135.0	29.14	27.74	27.15	24.99	23.41	22.41	21.36	20.19	19.31
180.0	28.32	27.04	26.34	24.29	22.82	21.48	20.42	19.08	18.43
225.0	26.10	24.76	23.23	22.00	20.66	19.55	18.67	18.08	17.62
270.0	26.92	25.75	23.88	22.41	21.13	20.01	19.08	18.38	17.85
315.0	25.28	23.94	22.30	20.72	19.55	18.61	17.91	17.50	17.21
360.0	26.22	24.76	23.17	21.59	20.42	19.25	18.43	17.91	17.09

Intensity data(cd)

C/γ(°)	90.0
0.0	16.91
45.0	16.85
90.0	17.26
135.0	18.79
180.0	17.97
225.0	17.38
270.0	17.50
315.0	17.09
360.0	16.91