



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

Nata

Client:

LumCAT: 2-2748-L

Luminaire: 92.70.412.00

Report No: 2024814-B016

Ballast type: AC

Test No: 2024814-C016

Voltage(V): 34.630

LampCAT: LUMINUS CXM-14-AC40

Current(A): 0.694

Lamp flux(lm): 3147.0

Power (W): 24.040

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 2918.26, Efficiency(%): 92.73% , Luminous Efficacy(lm/W): 121.39

Central intensity(cd): 13819.600, Maximum intensity(cd): 13819.600

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=18.6

[C90/270]Total=18.6

Field angle(10%Imax): [C0/180]Total=50.4

[C90/270]Total=50.4

Maximum s/h(1/2): C0_180=0.32 C90_270=0.32

Maximum s/h(1/4): C0_180=0.36 C90_270=0.36

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 92.73%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 99.234%

Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2024/8/14
Humidity(%): 60.0%

Operator: NT
Distance(m): 7.25

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	13819.601	0.000	0	0.00%	0.00%
1.0	13736.723	13.185	13.185	0.42%	0.45%
2.0	13449.088	39.020	52.205	1.24%	1.79%
3.0	12693.364	62.524	114.729	1.99%	3.93%
4.0	12253.206	83.504	198.233	2.65%	6.79%
5.0	11402.876	101.767	300	3.23%	10.28%
6.0	10376.475	114.456	414.457	3.64%	14.20%
7.0	9365.856	122.540	536.997	3.89%	18.40%
8.0	8217.056	125.838	662.834	4.00%	22.71%
9.0	7235.819	125.237	788.072	3.98%	27.00%
10.0	6276.107	122.278	910.35	3.89%	31.19%
11.0	5527.341	117.941	1028.29	3.75%	35.24%
12.0	4845.448	113.389	1141.68	3.60%	39.12%
13.0	4383.082	109.519	1251.199	3.48%	42.87%
14.0	3900.499	106.029	1357.228	3.37%	46.51%
15.0	3532.916	102.049	1459.277	3.24%	50.01%
16.0	3191.444	98.531	1557.808	3.13%	53.38%
17.0	2905.412	94.944	1652.753	3.02%	56.63%
18.0	2672.619	91.970	1744.722	2.92%	59.79%
19.0	2421.239	88.623	1833.345	2.82%	62.82%
20.0	2276.929	85.990	1919.334	2.73%	65.77%
21.0	1999.044	82.107	2001.442	2.61%	68.58%
22.0	1845.469	77.257	2078.699	2.45%	71.23%
23.0	1682.361	74.023	2152.722	2.35%	73.77%
24.0	1552.690	70.730	2223.452	2.25%	76.19%
25.0	1396.632	67.061	2290.513	2.13%	78.49%
26.0	1299.095	63.633	2354.146	2.02%	80.67%
27.0	1192.466	60.957	2415.103	1.94%	82.76%
28.0	1077.827	57.479	2472.582	1.83%	84.73%
29.0	998.260	54.316	2526.898	1.73%	86.59%
30.0	898.418	51.210	2578.108	1.63%	88.34%
31.0	789.443	46.971	2625.079	1.49%	89.95%
32.0	681.203	42.132	2667.211	1.34%	91.40%
33.0	587.905	37.388	2704.599	1.19%	92.68%
34.0	477.589	32.245	2736.844	1.02%	93.78%
35.0	391.998	27.006	2763.851	0.86%	94.71%
36.0	324.291	22.807	2786.657	0.72%	95.49%
37.0	240.625	18.424	2805.082	0.59%	96.12%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	174.724	13.864	2818.946	0.44%	96.60%
39.0	147.727	11.006	2829.952	0.35%	96.97%
40.0	89.159	8.262	2838.213	0.26%	97.26%
41.0	67.779	5.589	2843.802	0.18%	97.45%
42.0	56.603	4.519	2848.321	0.14%	97.60%
43.0	50.775	3.978	2852.299	0.13%	97.74%
44.0	45.946	3.651	2855.949	0.12%	97.86%
45.0	42.096	3.384	2859.333	0.11%	97.98%
46.0	38.528	3.153	2862.486	0.10%	98.09%
47.0	35.407	2.941	2865.426	0.09%	98.19%
48.0	32.773	2.756	2868.183	0.09%	98.28%
49.0	30.440	2.596	2870.778	0.08%	98.37%
50.0	28.758	2.468	2873.247	0.08%	98.46%
51.0	27.030	2.360	2875.607	0.08%	98.54%
52.0	26.051	2.278	2877.885	0.07%	98.62%
53.0	25.223	2.230	2880.115	0.07%	98.69%
54.0	24.737	2.202	2882.317	0.07%	98.77%
55.0	24.586	2.202	2884.519	0.07%	98.84%
56.0	24.547	2.220	2886.739	0.07%	98.92%
57.0	24.645	2.249	2888.988	0.07%	99.00%
58.0	24.731	2.283	2891.272	0.07%	99.08%
59.0	24.678	2.310	2893.581	0.07%	99.15%
60.0	24.284	2.313	2895.895	0.07%	99.23%
61.0	23.528	2.282	2898.176	0.07%	99.31%
62.0	22.227	2.205	2900.381	0.07%	99.39%
63.0	20.440	2.075	2902.456	0.07%	99.46%
64.0	18.265	1.899	2904.356	0.06%	99.52%
65.0	15.841	1.688	2906.043	0.05%	99.58%
66.0	13.233	1.451	2907.494	0.05%	99.63%
67.0	10.999	1.218	2908.712	0.04%	99.67%
68.0	9.080	1.017	2909.73	0.03%	99.71%
69.0	7.536	0.848	2910.577	0.03%	99.74%
70.0	6.629	0.728	2911.305	0.02%	99.76%
71.0	6.038	0.655	2911.959	0.02%	99.78%
72.0	5.519	0.601	2912.56	0.02%	99.80%
73.0	5.164	0.559	2913.119	0.02%	99.82%
74.0	4.849	0.526	2913.645	0.02%	99.84%
75.0	4.573	0.498	2914.143	0.02%	99.86%

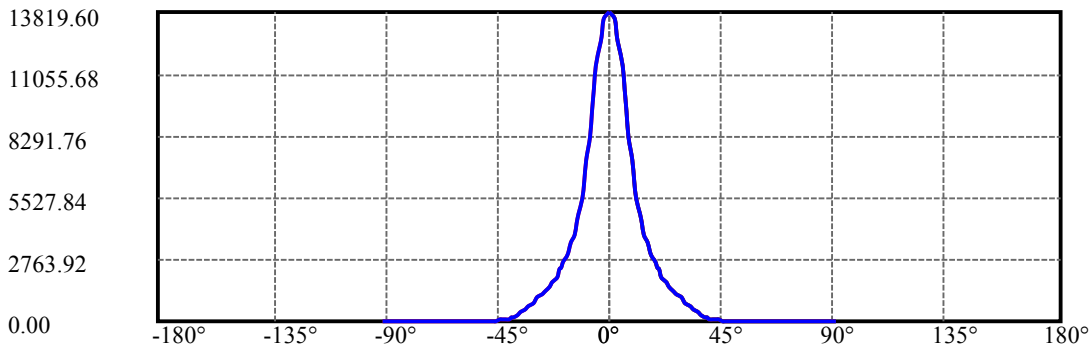
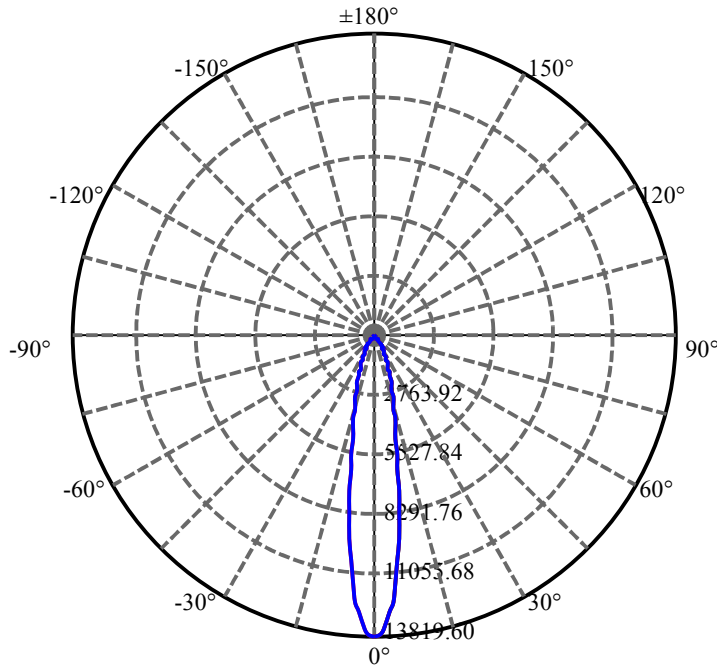
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	4.290	0.471	2914.614	0.01%	99.87%
77.0	4.067	0.446	2915.059	0.01%	99.89%
78.0	3.778	0.420	2915.479	0.01%	99.90%
79.0	3.489	0.390	2915.87	0.01%	99.92%
80.0	3.213	0.361	2916.231	0.01%	99.93%
81.0	2.898	0.330	2916.562	0.01%	99.94%
82.0	2.589	0.298	2916.859	0.01%	99.95%
83.0	2.313	0.266	2917.125	0.01%	99.96%
84.0	2.017	0.236	2917.361	0.01%	99.97%
85.0	1.794	0.208	2917.569	0.01%	99.98%
86.0	1.524	0.181	2917.751	0.01%	99.98%
87.0	1.301	0.155	2917.905	0.00%	99.99%
88.0	1.137	0.134	2918.039	0.00%	99.99%
89.0	1.012	0.118	2918.157	0.00%	100.00%
90.0	0.926	0.106	2918.263	0.00%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	2578.11	81.92%	88.34%
0-40	2838.21	90.19%	97.26%
0-60	2895.89	92.02%	99.23%
0-90	2918.16	92.73%	100.00%
0-120	2918.16	92.73%	100.00%
0-180	2918.26	92.73%	100.00%
60-90	22.26	0.71%	0.76%
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%
0-25.69	2334.61	74.19%	80.00%

ZONAL LUMEN SUMMARY

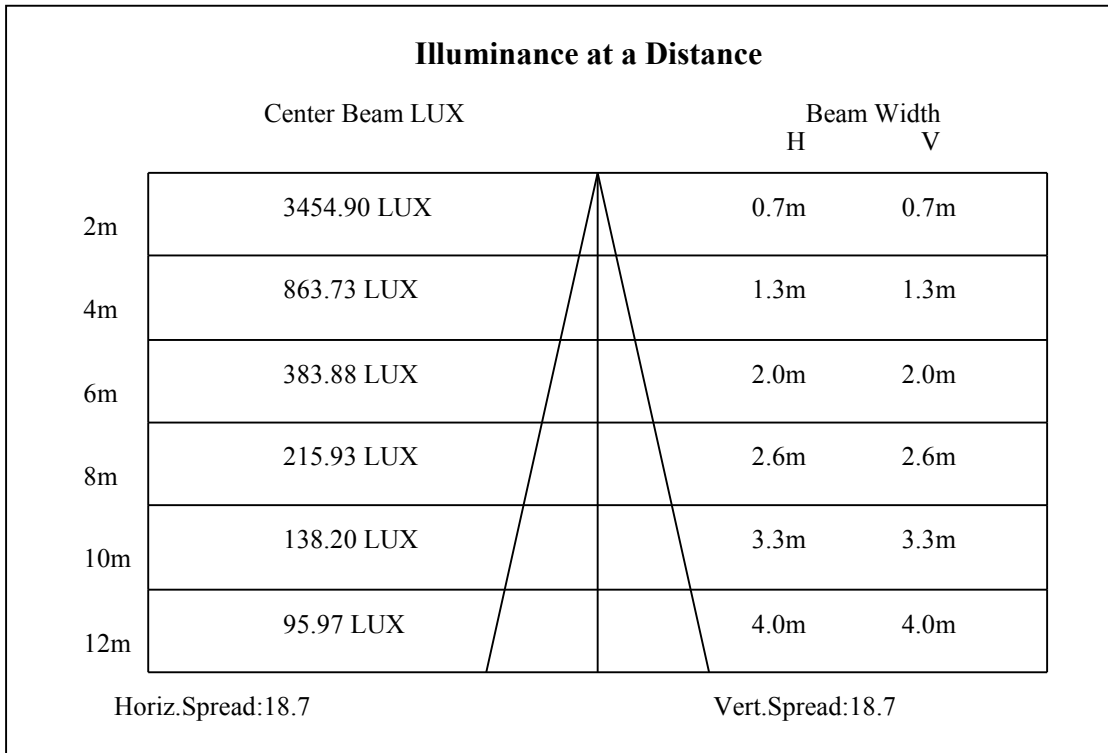
0-10	910.35
10-20	1008.98
20-30	658.77
30-40	260.11
40-50	35.03
50-60	22.65
60-70	15.41
70-80	4.93
80-90	1.93
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

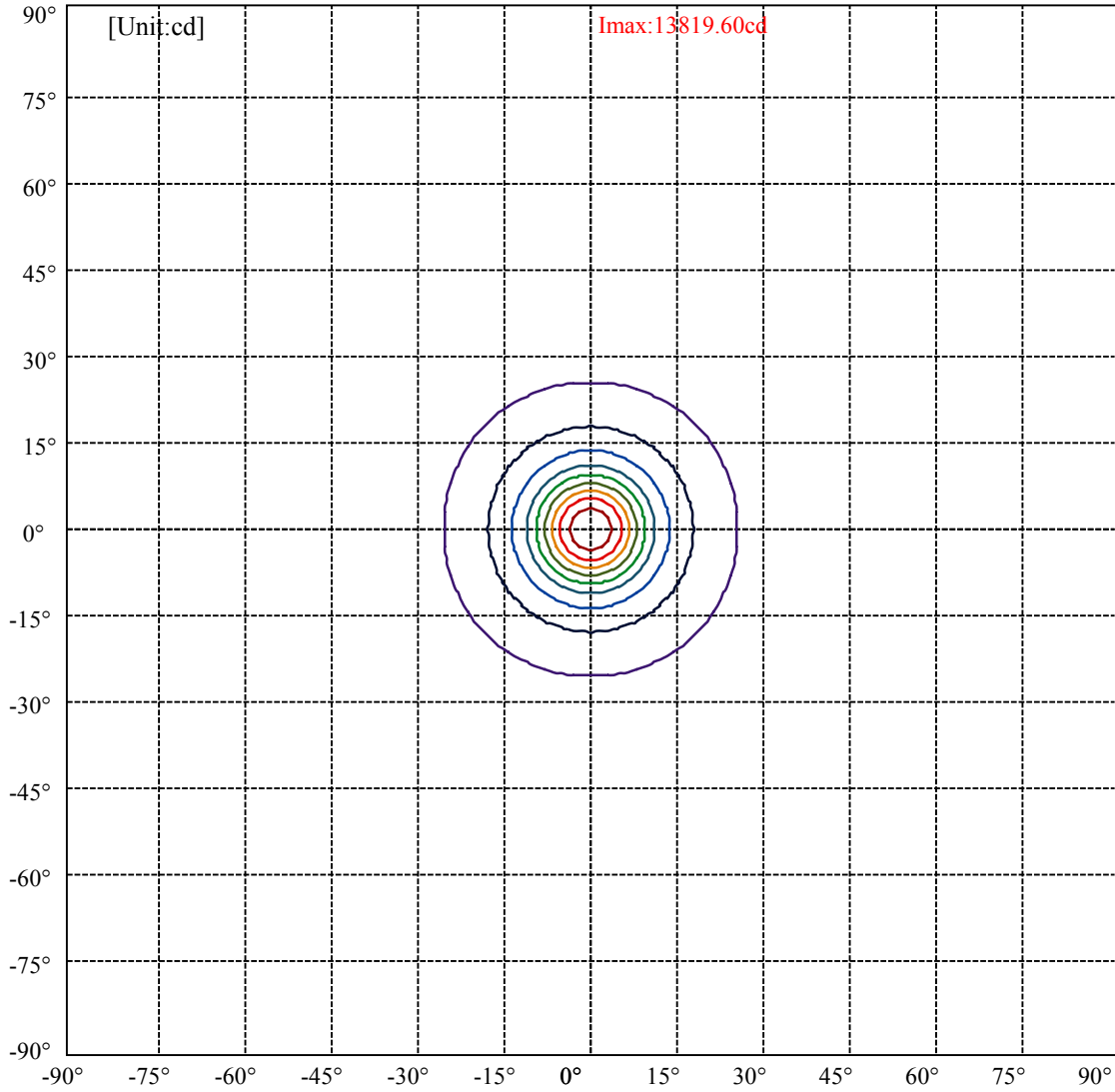


C0(Max): —————
C0/C180: —————
C90/C270: —————

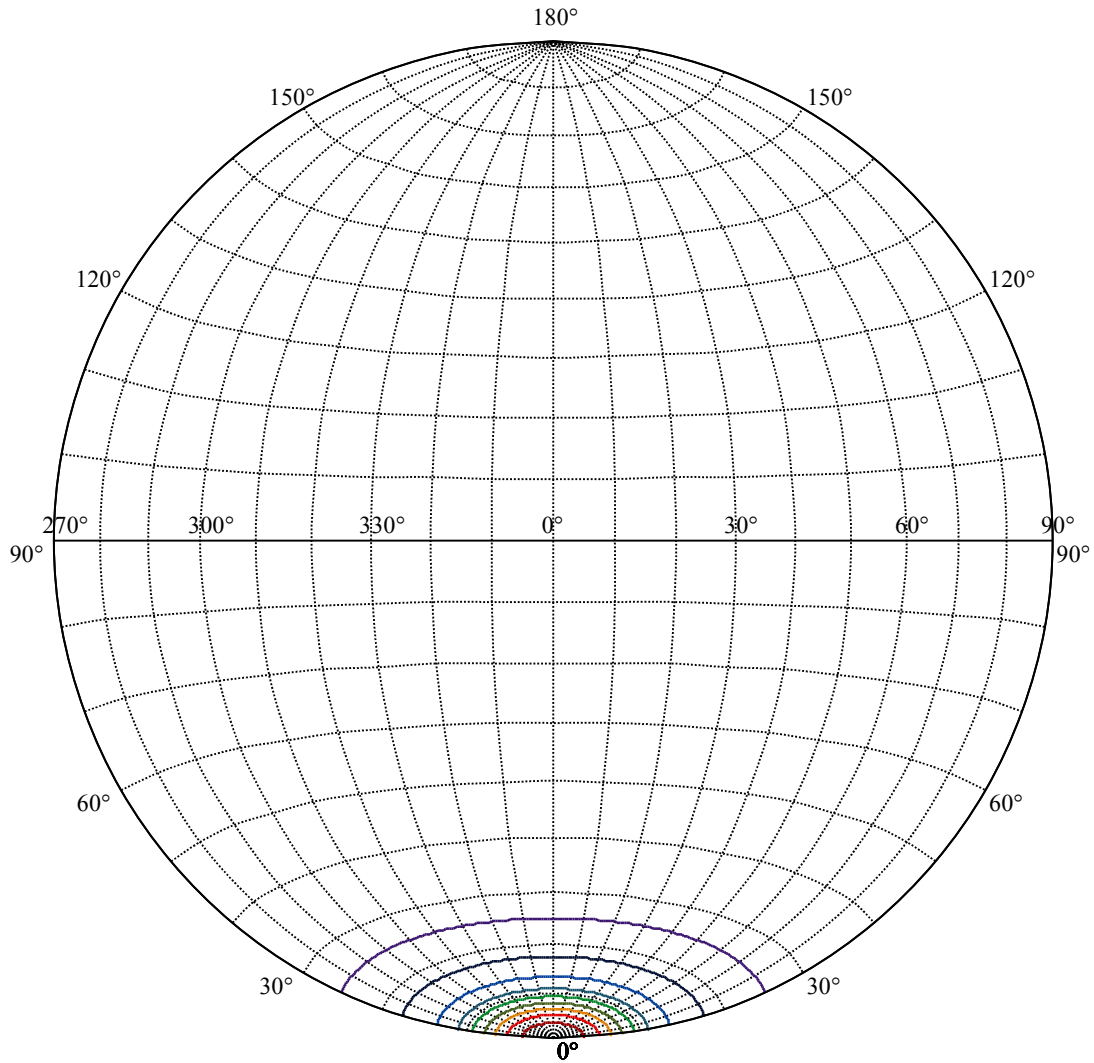
Field angle(10%Imax):C0/180Left:25.2 Right:25.2
:C90/270Left:25.2 Right:25.2

Beam Angle(50%Imax):C0/180Left:9.3 Right:9.3
:C90/270Left:9.3 Right:9.3





(10%Imax) 1381.96	—
(20%Imax) 2763.92	—
(30%Imax) 4145.88	—
(40%Imax) 5527.84	—
(50%Imax) 6909.8	—
(60%Imax) 8291.76	—
(70%Imax) 9673.72	—
(80%Imax) 11055.7	—
(90%Imax) 12437.6	—



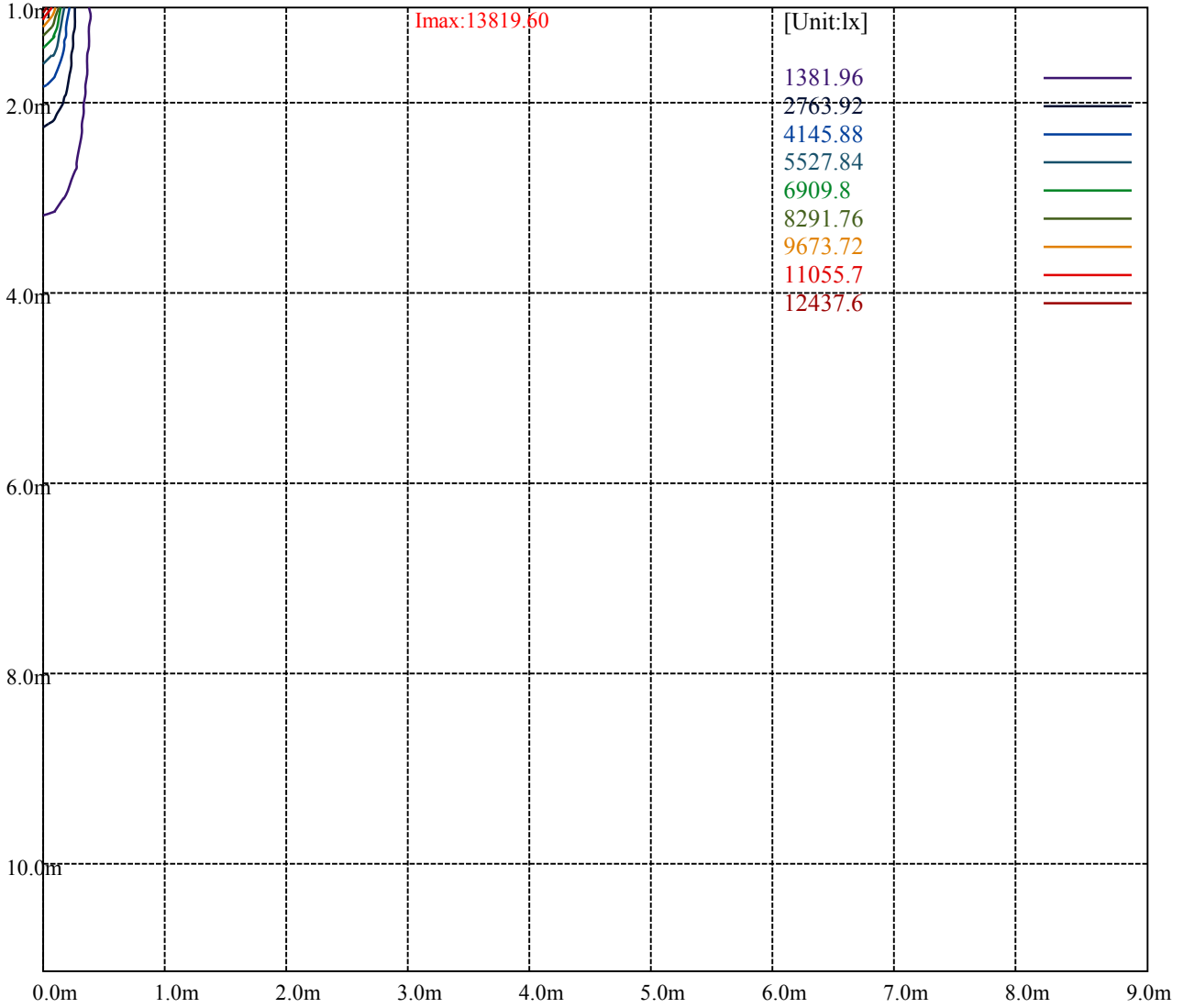
House

[Unit:cd]

Road

Imax:13819.60

(10%Imax) 1381.96	—
(20%Imax) 2763.92	—
(30%Imax) 4145.88	—
(40%Imax) 5527.84	—
(50%Imax) 6909.8	—
(60%Imax) 8291.76	—
(70%Imax) 9673.72	—
(80%Imax) 11055.7	—
(90%Imax) 12437.6	—



Luminance Table

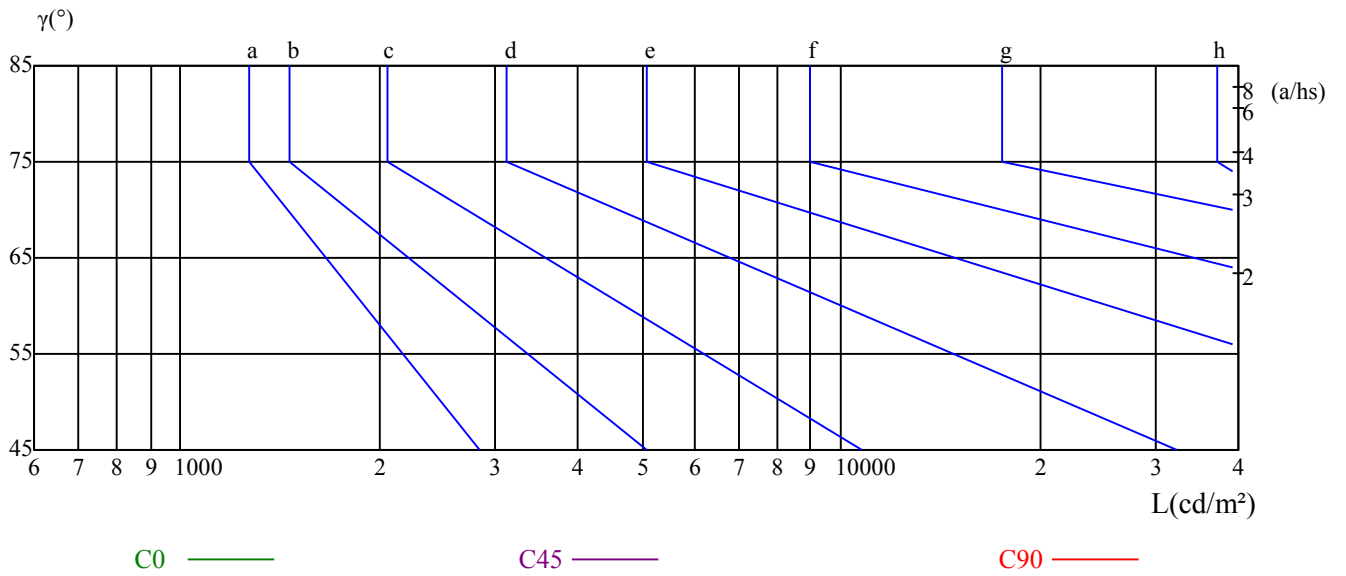
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
0	0	0	0	0	0	0	0	0

Glare Table

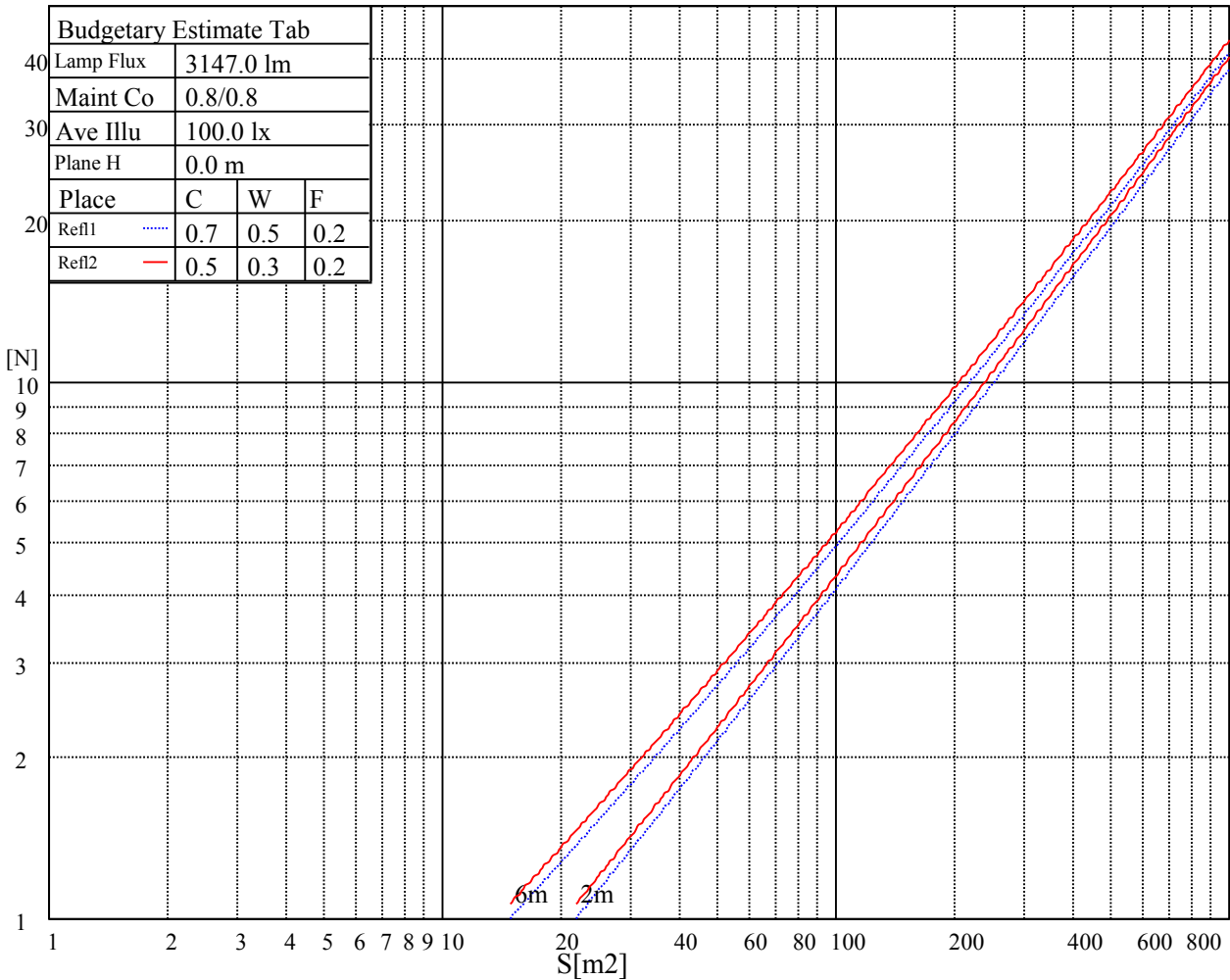
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

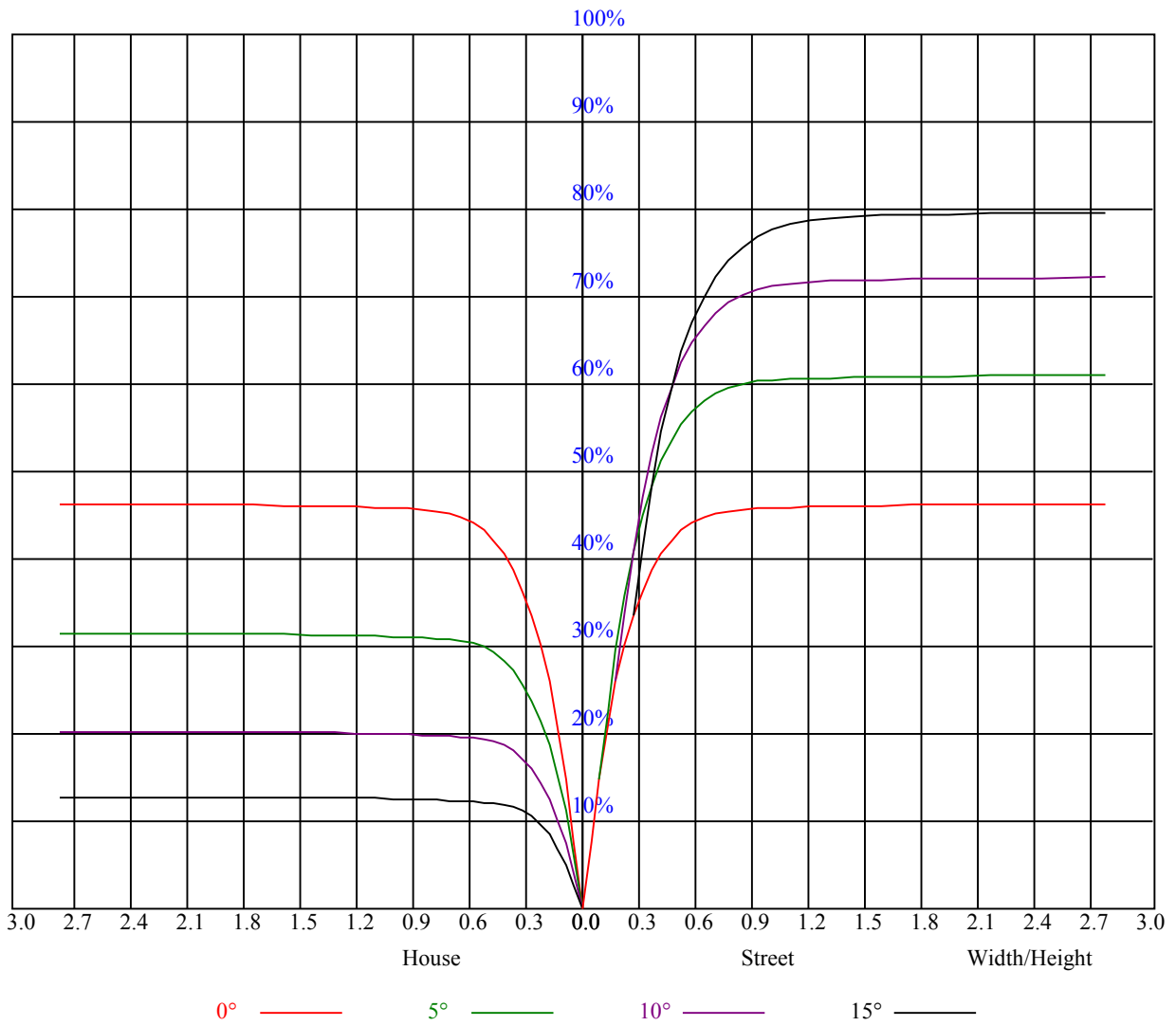


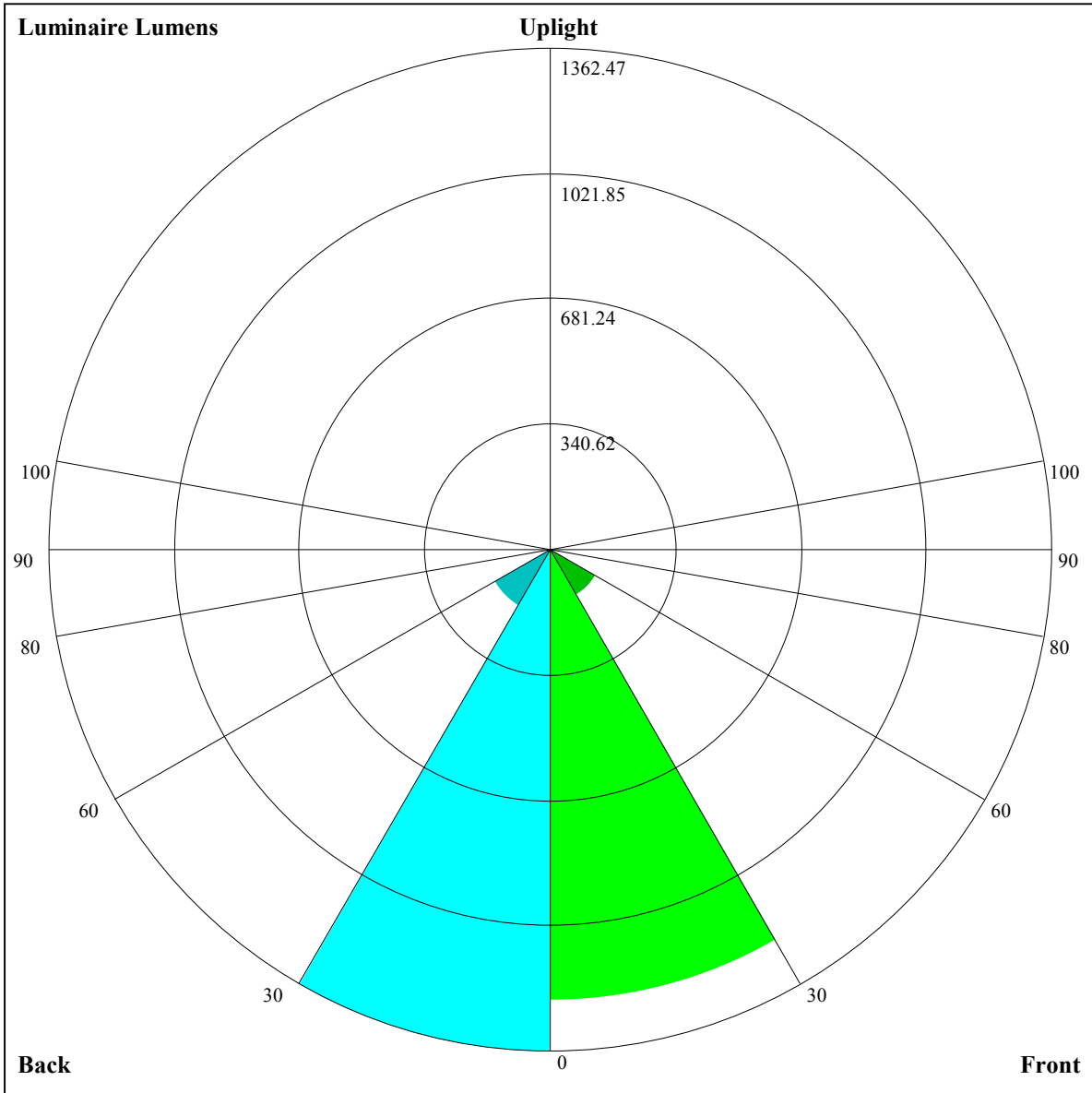
Illumination assessment according UGR										
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30
Rf of Wall	50	30	50	30	30	50	30	50	30	30
Rf of Floor	20	20	20	20	20	20	20	20	20	20
Room dimensions	Viewed crosswise					Viewed endwise				
X	Y									
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	3H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	4H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	6H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	8H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	12H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
4H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	3H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	4H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	6H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	8H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	12H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
8H	4H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	6H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	8H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	12H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
12H	4H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	6H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	8H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
Variation with the observer position at spacings:										
S = 1.0H	非数字/非数字					非数字/非数字				
S = 1.5H	非数字/非数字					非数字/非数字				
S = 2.0H	非数字/非数字					非数字/非数字				
Standard tables:	BK0					BK0				
Uncorrected UGR	负无穷大					负无穷大				

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 RHOFC=20 CU															
0	1.10	1.10	1.10	1.08	1.08	1.08	1.03	1.03	1.03	0.99	0.99	0.99	0.95	0.95	0.95	0.93
1	1.04	1.02	1.00	1.02	1.00	0.99	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.90	0.89
2	0.99	0.95	0.93	0.97	0.94	0.92	0.94	0.92	0.90	0.91	0.90	0.88	0.89	0.87	0.86	0.85
3	0.94	0.90	0.87	0.92	0.89	0.86	0.90	0.87	0.85	0.88	0.86	0.84	0.86	0.84	0.82	0.81
4	0.89	0.85	0.82	0.88	0.85	0.82	0.87	0.83	0.81	0.85	0.82	0.80	0.83	0.81	0.79	0.78
5	0.86	0.81	0.78	0.85	0.81	0.78	0.83	0.80	0.77	0.82	0.79	0.76	0.80	0.78	0.76	0.75
6	0.82	0.78	0.75	0.81	0.77	0.74	0.80	0.77	0.74	0.79	0.76	0.73	0.78	0.75	0.73	0.72
7	0.79	0.75	0.72	0.78	0.74	0.71	0.77	0.74	0.71	0.76	0.73	0.71	0.75	0.72	0.70	0.69
8	0.76	0.72	0.69	0.76	0.71	0.69	0.75	0.71	0.68	0.74	0.70	0.68	0.73	0.70	0.68	0.67
9	0.73	0.69	0.66	0.73	0.69	0.66	0.72	0.69	0.66	0.71	0.68	0.66	0.71	0.68	0.66	0.65
10	0.71	0.67	0.64	0.71	0.67	0.64	0.70	0.66	0.64	0.69	0.66	0.64	0.69	0.66	0.63	0.63





Luminaire Lumens:

FL=1223.15,FM=142.85,FH=9.57,FVH=0.99

BL=1362.47,BM=176.88,BH=10.78,BVH=1.06

UL=0,UH=0

BUG Rating:B3-U0-G0

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	13620.42	13235.97	12611.95	10697.26	10697.26	9735.05	8514.28	7364.85	6361.95
45.0	13926.85	13698.42	13230.40	12506.09	11547.77	10639.60	9391.55	7909.50	7068.18
90.0	13737.42	13313.98	12673.24	10692.79	10692.79	9693.26	8437.96	7260.14	6252.78
135.0	13993.71	13915.71	13631.56	13174.69	12478.23	11575.63	10472.45	9252.26	8048.79
180.0	13620.42	13826.57	13848.85	13698.42	13369.69	12845.96	12082.65	11129.90	9998.86
225.0	13926.85	14027.14	13943.57	13692.85	13258.26	12617.52	10693.37	10693.37	9490.47
270.0	13737.42	13965.86	14016.00	13893.43	13603.70	13107.83	12411.37	11519.91	10444.59
315.0	13993.71	13910.14	13637.13	13191.40	12377.94	11008.16	11008.16	9796.91	8070.81
360.0	13620.42	13235.97	12611.95	10697.26	10697.26	9735.05	8514.28	7364.85	6361.95
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	5545.71	4906.13	4375.67	3942.77	3565.58	3227.92	2923.74	2654.62	2412.83
45.0	6054.15	5346.55	4722.53	4193.23	3803.21	3424.34	3084.47	2800.32	2800.32
90.0	5450.47	4800.27	4271.49	3841.95	3466.97	3135.98	2840.16	2582.19	2352.07
135.0	7140.62	5987.29	5240.69	4750.39	4243.37	3814.36	3441.06	3106.76	2817.03
180.0	8767.53	7580.77	6544.45	5691.99	5274.12	4466.24	4003.79	3758.64	3262.76
225.0	8283.64	7157.59	6554.18	5400.85	5017.56	4466.50	4000.16	3607.36	3258.03
270.0	9257.83	8054.36	6956.75	6031.86	5301.98	4711.39	4399.38	3792.07	3407.63
315.0	7386.61	6375.88	5552.97	4910.55	4391.86	3957.27	3570.57	3229.60	2932.62
360.0	5545.71	4906.13	4375.67	3942.77	3565.58	3227.92	2923.74	2654.62	2412.83
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2203.31	2018.87	1854.51	1704.65	1562.00	1425.50	1345.28	1111.07	1067.33
45.0	2335.35	2133.67	2022.24	1792.12	1704.08	1560.37	1422.71	1299.61	1194.27
90.0	2148.70	2039.53	1807.15	1656.19	1569.25	1383.71	1315.22	1086.57	1086.57
135.0	2817.03	2339.24	2136.46	1952.01	1787.13	1637.22	1502.39	1386.49	1279.00
180.0	3073.33	2850.46	2850.46	2285.21	2091.88	1918.58	1763.16	1616.61	1479.00
225.0	2930.99	2666.34	2429.54	2218.93	2032.80	1856.19	1702.45	1566.47	1442.79
270.0	3212.62	2900.61	2900.61	2358.22	2154.85	1968.20	1806.63	1650.62	1509.07
315.0	2659.61	2421.19	2214.46	2025.02	1861.76	1709.12	1563.68	1455.61	1334.72
360.0	2203.31	2018.87	1854.51	1704.65	1562.00	1425.50	1345.28	1111.07	1067.33
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1044.89	928.41	814.09	706.91	598.69	499.29	403.63	315.80	237.06
45.0	1094.56	984.23	873.38	759.69	648.83	545.76	444.89	355.22	286.68
90.0	1021.34	909.59	795.32	682.47	576.35	475.53	381.39	295.24	215.45
135.0	1220.50	1078.95	1010.99	896.77	781.45	671.70	565.84	467.18	375.24
180.0	1355.32	1252.25	1161.42	1066.13	955.27	841.63	774.19	622.08	518.48
225.0	1328.57	1104.39	1104.39	1059.03	958.00	844.31	735.98	629.59	528.10
270.0	1388.75	1279.00	1185.92	1089.57	987.60	876.69	810.41	652.72	588.12
315.0	1085.78	1085.78	1040.58	926.78	809.36	694.72	586.91	482.89	386.86
360.0	1044.89	928.41	814.09	706.91	598.69	499.29	403.63	315.80	237.06
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	168.52	111.17	79.90	61.13	52.51	47.88	43.63	39.68	36.16
45.0	286.68	140.45	96.66	73.01	64.13	57.24	51.83	47.20	42.73
90.0	161.52	98.71	70.96	63.60	57.19	51.98	47.52	43.26	39.58
135.0	307.86	307.86	139.19	98.55	75.74	66.49	59.40	53.72	50.62
180.0	459.40	365.78	312.33	312.33	132.93	86.57	64.28	56.98	51.35
225.0	425.23	332.30	247.46	172.77	114.27	77.53	63.13	56.24	50.46
270.0	486.15	351.85	299.50	299.50	147.81	97.14	69.86	61.60	55.24
315.0	298.98	216.87	151.80	100.92	68.70	57.40	53.19	47.52	41.42
360.0	168.52	111.17	79.90	61.13	52.51	47.88	43.63	39.68	36.16

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	33.27	30.80	28.70	26.75	25.28	24.07	23.13	22.86	22.76
45.0	39.26	36.11	33.27	30.85	28.70	26.91	25.76	25.18	24.65
90.0	36.27	33.53	31.27	29.12	27.33	26.18	25.34	24.97	24.60
135.0	45.78	41.52	38.11	35.01	32.59	30.22	28.28	27.07	26.33
180.0	47.25	43.31	39.47	36.90	33.75	31.91	29.91	27.86	26.49
225.0	45.94	41.73	38.11	35.16	32.59	31.22	28.33	27.39	26.18
270.0	49.99	45.62	41.52	38.06	34.95	32.96	30.33	28.86	27.23
315.0	39.00	35.58	32.80	30.33	28.33	26.60	25.18	24.23	23.55
360.0	33.27	30.80	28.70	26.75	25.28	24.07	23.13	22.86	22.76
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	22.86	23.29	23.65	23.86	23.60	23.13	22.29	20.34	19.13
45.0	24.39	24.28	24.44	24.44	24.49	24.34	23.50	21.97	20.92
90.0	24.55	24.91	24.97	25.18	24.65	23.50	22.55	21.03	17.56
135.0	25.60	25.23	25.34	25.60	25.70	25.76	25.34	24.13	22.50
180.0	25.65	25.18	24.70	24.44	24.60	24.91	24.97	25.49	25.23
225.0	25.34	24.91	24.60	24.60	24.91	24.97	24.97	24.91	24.28
270.0	26.12	25.60	25.02	24.81	25.28	25.86	25.76	26.12	25.65
315.0	23.39	23.29	23.65	24.23	24.60	24.97	24.91	24.23	22.55
360.0	22.86	23.29	23.65	23.86	23.60	23.13	22.29	20.34	19.13
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	16.35	13.82	11.04	8.78	7.67	6.68	5.94	5.47	5.10
45.0	18.40	15.66	13.25	10.20	8.62	7.52	6.68	6.15	5.78
90.0	15.82	13.19	10.25	8.46	7.36	6.41	5.89	5.52	5.15
135.0	20.39	17.40	15.82	13.09	10.25	8.46	7.31	6.47	5.83
180.0	24.07	22.71	20.81	17.92	15.09	12.09	9.46	7.94	6.83
225.0	22.76	21.55	19.13	16.40	13.88	11.30	8.62	7.41	6.62
270.0	24.39	22.92	21.18	17.77	14.93	11.83	9.15	7.83	7.25
315.0	21.34	18.87	15.24	13.25	10.20	8.36	7.25	6.25	5.73
360.0	16.35	13.82	11.04	8.78	7.67	6.68	5.94	5.47	5.10
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	4.78	4.52	4.21	4.05	3.84	3.63	3.26	3.00	2.68
45.0	5.31	5.05	4.84	4.57	4.31	4.10	3.78	3.42	3.15
90.0	4.84	4.63	4.36	4.15	3.89	3.73	3.36	3.05	2.68
135.0	5.41	5.05	4.78	4.47	4.15	3.94	3.73	3.42	3.10
180.0	6.36	5.62	5.31	4.99	4.57	4.31	4.05	3.84	3.63
225.0	5.89	5.52	5.10	4.84	4.57	4.26	3.99	3.73	3.47
270.0	6.15	5.89	5.47	5.05	4.78	4.57	4.26	3.99	3.78
315.0	5.41	5.05	4.73	4.47	4.21	3.99	3.78	3.47	3.21
360.0	4.78	4.52	4.21	4.05	3.84	3.63	3.26	3.00	2.68
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	2.37	2.10	1.89	1.68	1.52	1.21	1.16	1.00	0.89
45.0	2.73	2.47	2.21	1.94	1.68	1.42	1.21	1.10	1.00
90.0	2.37	2.16	1.84	1.68	1.42	1.26	1.10	1.00	0.89
135.0	2.79	2.47	2.10	1.84	1.68	1.42	1.21	1.05	1.00
180.0	3.26	2.89	2.63	2.31	2.05	1.73	1.47	1.26	1.10
225.0	3.15	2.84	2.63	2.21	1.94	1.73	1.42	1.21	1.05
270.0	3.57	3.10	2.89	2.47	2.21	1.94	1.52	1.37	1.21
315.0	2.94	2.68	2.31	2.00	1.84	1.47	1.31	1.10	0.95
360.0	2.37	2.10	1.89	1.68	1.52	1.21	1.16	1.00	0.89

Intensity data(cd)

C/γ(°)	90.0
0.0	0.84
45.0	0.89
90.0	0.95
135.0	0.89
180.0	0.89
225.0	0.95
270.0	1.05
315.0	0.95
360.0	0.84