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Nata

Client:

LumCAT: 63-0011

Luminaire: 92.70.411.00

Report No: 2024624-B009

Ballast type: AC

Test No: 2024624-C009

Voltage(V): 35.540

LampCAT: LUMILEDS 1208

Current(A): 0.901

Lamp flux(lm): 4560.4

Power (W): 32.021

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 4096.19, Efficiency(%): 89.82% , Luminous Efficacy(lm/W): 127.92

Central intensity(cd): 28807.130, Maximum intensity(cd): 28807.130

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=17.2

[C90/270]Total=17.2

Field angle(10%Imax): [C0/180]Total=37.8

[C90/270]Total=37.8

Maximum s/h(1/2): C0_180=0.29 C90_270=0.29

Maximum s/h(1/4): C0_180=0.32 C90_270=0.32

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 89.82%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 97.785%

Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2024/6/24
Humidity(%): 60.0%

Operator: NT
Distance(m): 7.18

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	28807.137	0.000	0	0.00%	0.00%
1.0	28536.717	27.438	27.438	0.60%	0.67%
2.0	27760.967	80.804	108.242	1.77%	2.64%
3.0	26509.248	129.797	238.038	2.85%	5.81%
4.0	24783.613	171.694	409.732	3.76%	10.00%
5.0	22761.607	204.537	614.269	4.49%	15.00%
6.0	20633.758	228.054	842.323	5.00%	20.56%
7.0	18196.563	241.019	1083.342	5.29%	26.45%
8.0	15822.359	243.467	1326.809	5.34%	32.39%
9.0	13258.696	235.686	1562.495	5.17%	38.15%
10.0	11536.984	224.392	1786.887	4.92%	43.62%
11.0	10510.964	220.304	2007.191	4.83%	49.00%
12.0	8901.618	212.207	2219.399	4.65%	54.18%
13.0	7608.928	195.939	2415.337	4.30%	58.97%
14.0	6437.791	179.797	2595.134	3.94%	63.35%
15.0	5439.557	163.058	2758.192	3.58%	67.34%
16.0	4597.155	147.066	2905.257	3.22%	70.93%
17.0	3877.748	131.977	3037.234	2.89%	74.15%
18.0	3288.282	118.152	3155.387	2.59%	77.03%
19.0	2816.554	106.212	3261.598	2.33%	79.63%
20.0	2516.248	97.605	3359.203	2.14%	82.01%
21.0	1877.048	84.360	3443.564	1.85%	84.07%
22.0	1504.118	67.946	3511.51	1.49%	85.73%
23.0	1118.227	55.024	3566.533	1.21%	87.07%
24.0	962.834	45.499	3612.033	1.00%	88.18%
25.0	755.561	39.073	3651.105	0.86%	89.13%
26.0	595.554	31.893	3682.999	0.70%	89.91%
27.0	454.701	25.695	3708.693	0.56%	90.54%
28.0	371.544	20.919	3729.612	0.46%	91.05%
29.0	307.122	17.756	3747.368	0.39%	91.48%
30.0	255.126	15.181	3762.549	0.33%	91.85%
31.0	218.682	13.185	3775.734	0.29%	92.18%
32.0	191.631	11.755	3787.489	0.26%	92.46%
33.0	165.985	10.536	3798.024	0.23%	92.72%
34.0	150.826	9.588	3807.612	0.21%	92.95%
35.0	138.901	8.998	3816.61	0.20%	93.17%
36.0	129.902	8.559	3825.169	0.19%	93.38%
37.0	123.157	8.253	3833.422	0.18%	93.59%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	118.853	8.078	3841.5	0.18%	93.78%
39.0	115.213	7.989	3849.489	0.18%	93.98%
40.0	112.437	7.940	3857.429	0.17%	94.17%
41.0	109.602	7.907	3865.336	0.17%	94.36%
42.0	106.993	7.869	3873.205	0.17%	94.56%
43.0	104.835	7.847	3881.052	0.17%	94.75%
44.0	102.226	7.815	3888.867	0.17%	94.94%
45.0	100.068	7.774	3896.641	0.17%	95.13%
46.0	98.180	7.753	3904.394	0.17%	95.32%
47.0	96.408	7.739	3912.133	0.17%	95.51%
48.0	94.501	7.718	3919.851	0.17%	95.70%
49.0	92.614	7.684	3927.535	0.17%	95.88%
50.0	90.733	7.644	3935.179	0.17%	96.07%
51.0	88.633	7.589	3942.768	0.17%	96.25%
52.0	86.668	7.522	3950.29	0.16%	96.44%
53.0	84.510	7.446	3957.736	0.16%	96.62%
54.0	82.055	7.341	3965.078	0.16%	96.80%
55.0	79.665	7.219	3972.297	0.16%	96.98%
56.0	76.573	7.060	3979.357	0.15%	97.15%
57.0	73.609	6.867	3986.223	0.15%	97.32%
58.0	70.291	6.654	3992.878	0.15%	97.48%
59.0	66.883	6.413	3999.291	0.14%	97.63%
60.0	63.218	6.146	4005.437	0.13%	97.78%
61.0	59.617	5.862	4011.299	0.13%	97.93%
62.0	56.292	5.585	4016.884	0.12%	98.06%
63.0	52.762	5.304	4022.188	0.12%	98.19%
64.0	49.979	5.041	4027.23	0.11%	98.32%
65.0	46.958	4.797	4032.027	0.11%	98.43%
66.0	44.406	4.558	4036.585	0.10%	98.54%
67.0	42.274	4.359	4040.944	0.10%	98.65%
68.0	40.316	4.184	4045.128	0.09%	98.75%
69.0	38.666	4.029	4049.157	0.09%	98.85%
70.0	37.333	3.903	4053.06	0.09%	98.95%
71.0	36.167	3.799	4056.859	0.08%	99.04%
72.0	34.498	3.674	4060.533	0.08%	99.13%
73.0	32.430	3.500	4064.033	0.08%	99.21%
74.0	30.253	3.295	4067.329	0.07%	99.30%
75.0	28.462	3.102	4070.431	0.07%	99.37%

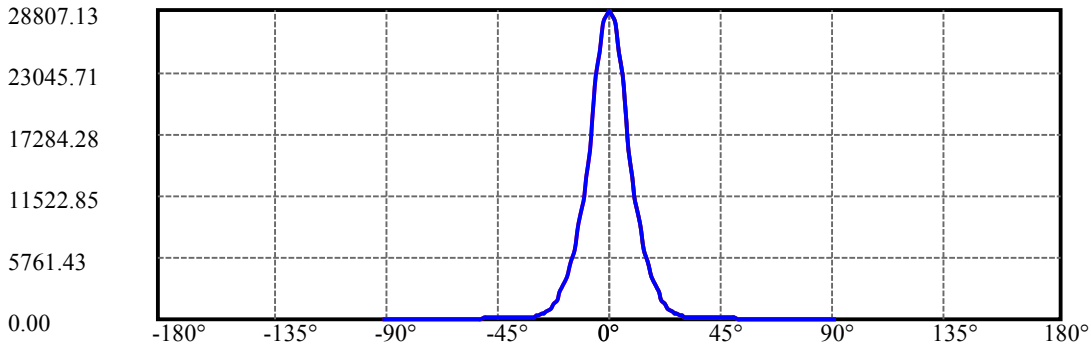
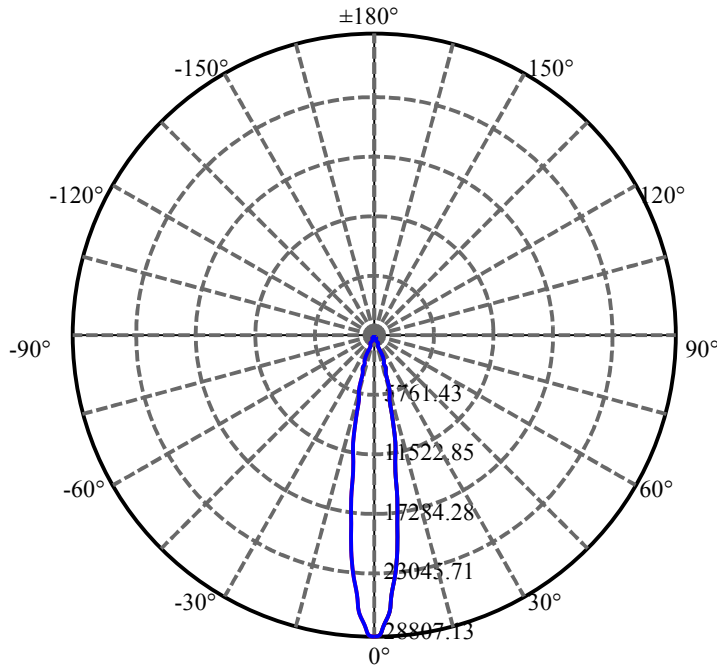
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	26.729	2.930	4073.361	0.06%	99.44%
77.0	25.067	2.762	4076.122	0.06%	99.51%
78.0	23.289	2.589	4078.711	0.06%	99.57%
79.0	21.627	2.413	4081.124	0.05%	99.63%
80.0	19.900	2.239	4083.363	0.05%	99.69%
81.0	17.787	2.038	4085.401	0.04%	99.74%
82.0	15.912	1.827	4087.228	0.04%	99.78%
83.0	14.173	1.635	4088.864	0.04%	99.82%
84.0	12.653	1.461	4090.325	0.03%	99.86%
85.0	11.306	1.308	4091.633	0.03%	99.89%
86.0	10.114	1.171	4092.804	0.03%	99.92%
87.0	8.852	1.038	4093.842	0.02%	99.94%
88.0	7.615	0.902	4094.744	0.02%	99.96%
89.0	6.468	0.772	4095.516	0.02%	99.98%
90.0	5.817	0.674	4096.189	0.01%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	3762.55	82.50%	91.85%
0-40	3857.43	84.59%	94.17%
0-60	4005.44	87.83%	97.78%
0-90	4095.52	89.81%	99.98%
0-120	4095.52	89.81%	99.98%
0-180	4096.19	89.82%	100.00%
60-90	90.08	1.98%	2.20%
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%
0-19.16	3276.95	71.86%	80.00%

ZONAL LUMEN SUMMARY

0-10	1786.89
10-20	1572.32
20-30	403.35
30-40	94.88
40-50	77.75
50-60	70.26
60-70	47.62
70-80	30.30
80-90	12.15
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: —————

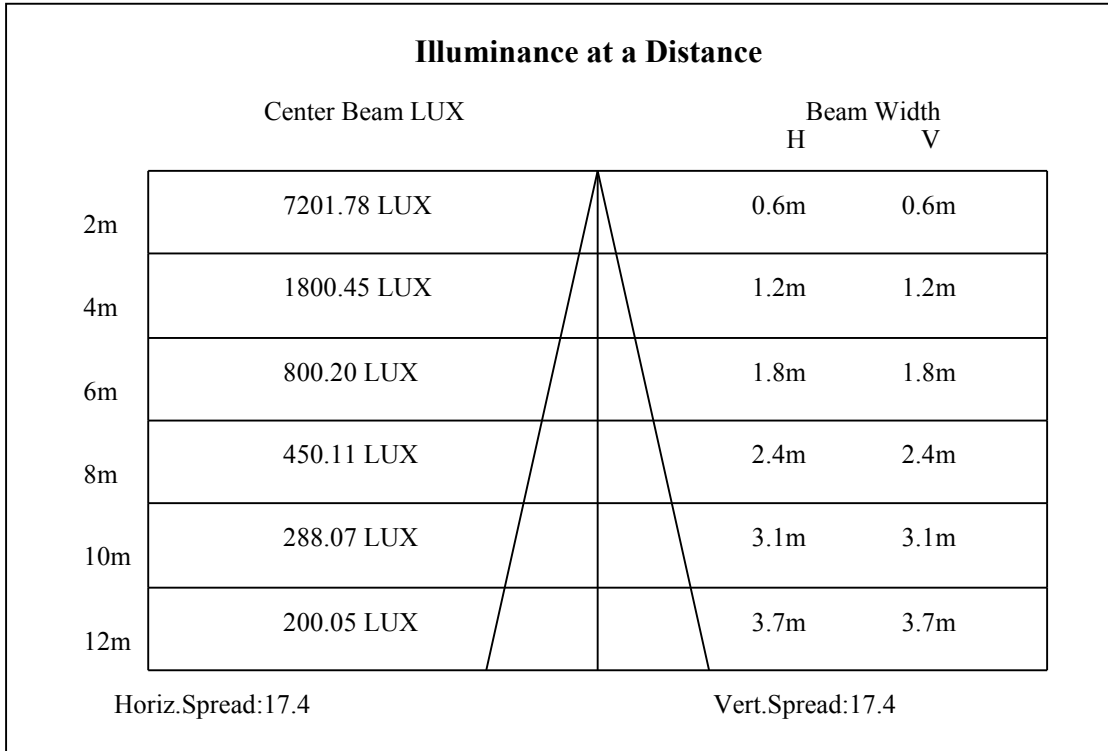
C90/C270: —————

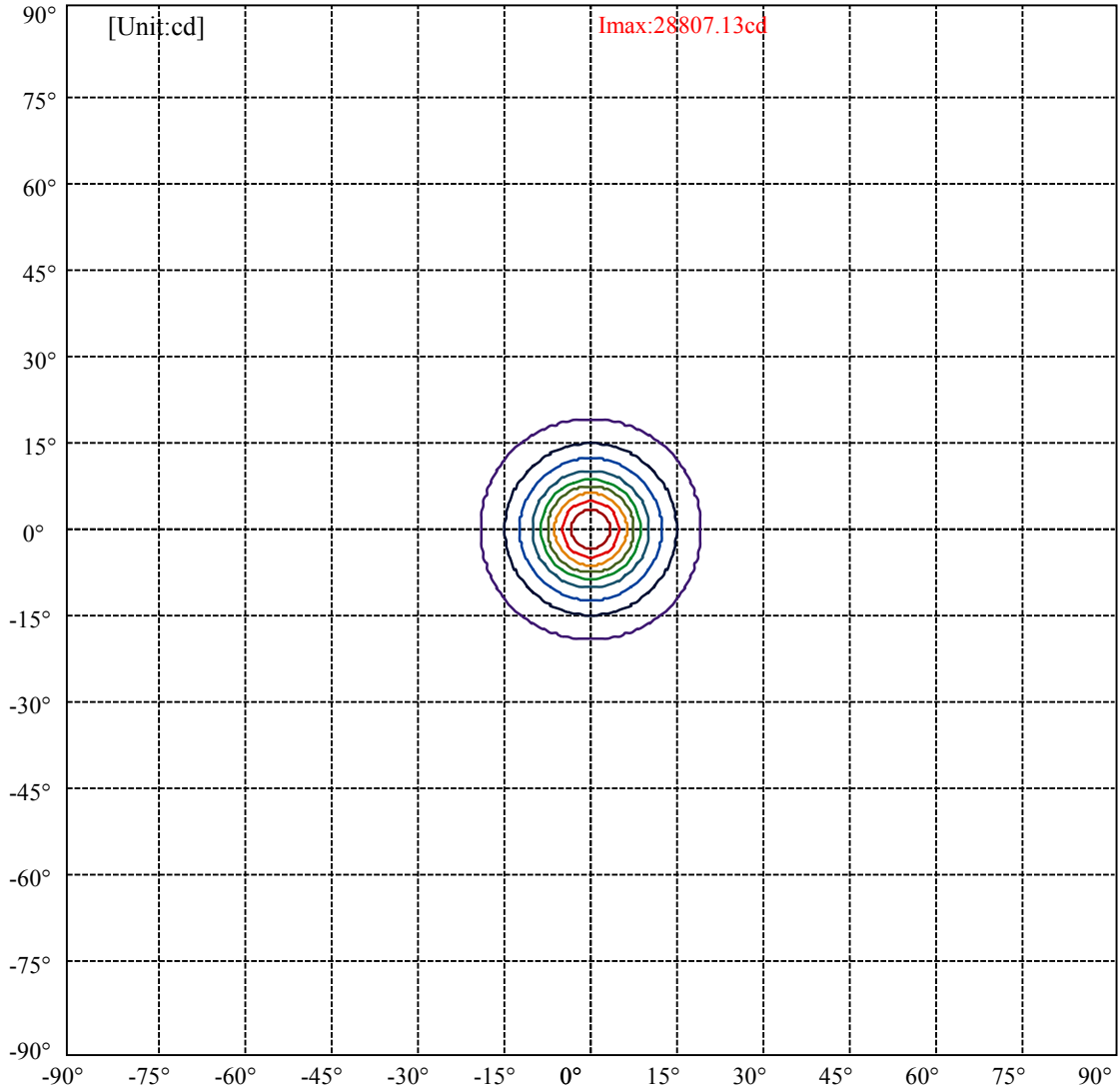
Field angle(10%Imax):C0/180Left:18.9 Right:18.9

:C90/270Left:18.9 Right:18.9

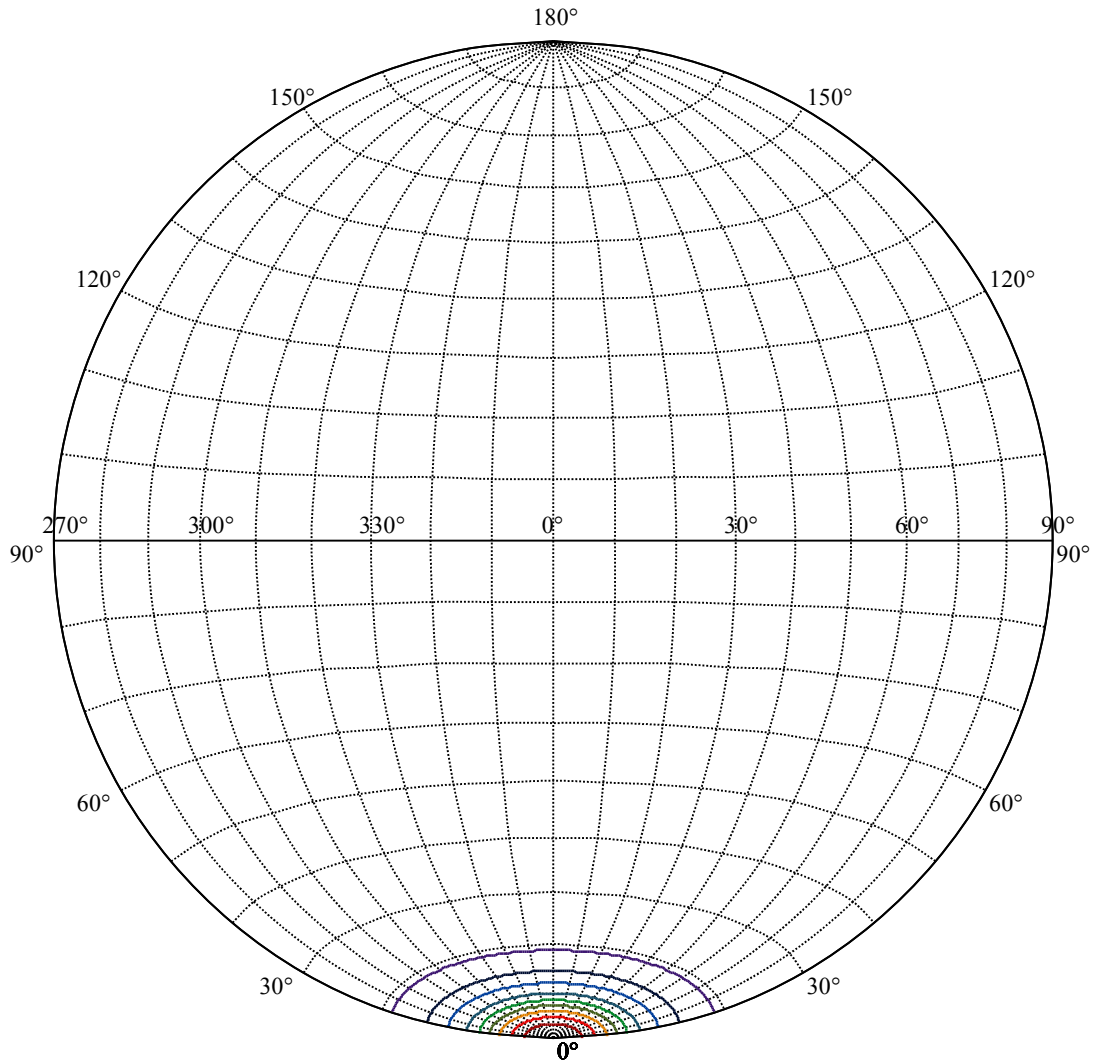
Beam Angle(50%Imax):C0/180Left:8.6 Right:8.6

:C90/270Left:8.6 Right:8.6





(10%Imax) 2880.71	—
(20%Imax) 5761.43	—
(30%Imax) 8642.14	—
(40%Imax) 11522.9	—
(50%Imax) 14403.6	—
(60%Imax) 17284.3	—
(70%Imax) 20165	—
(80%Imax) 23045.7	—
(90%Imax) 25926.4	—



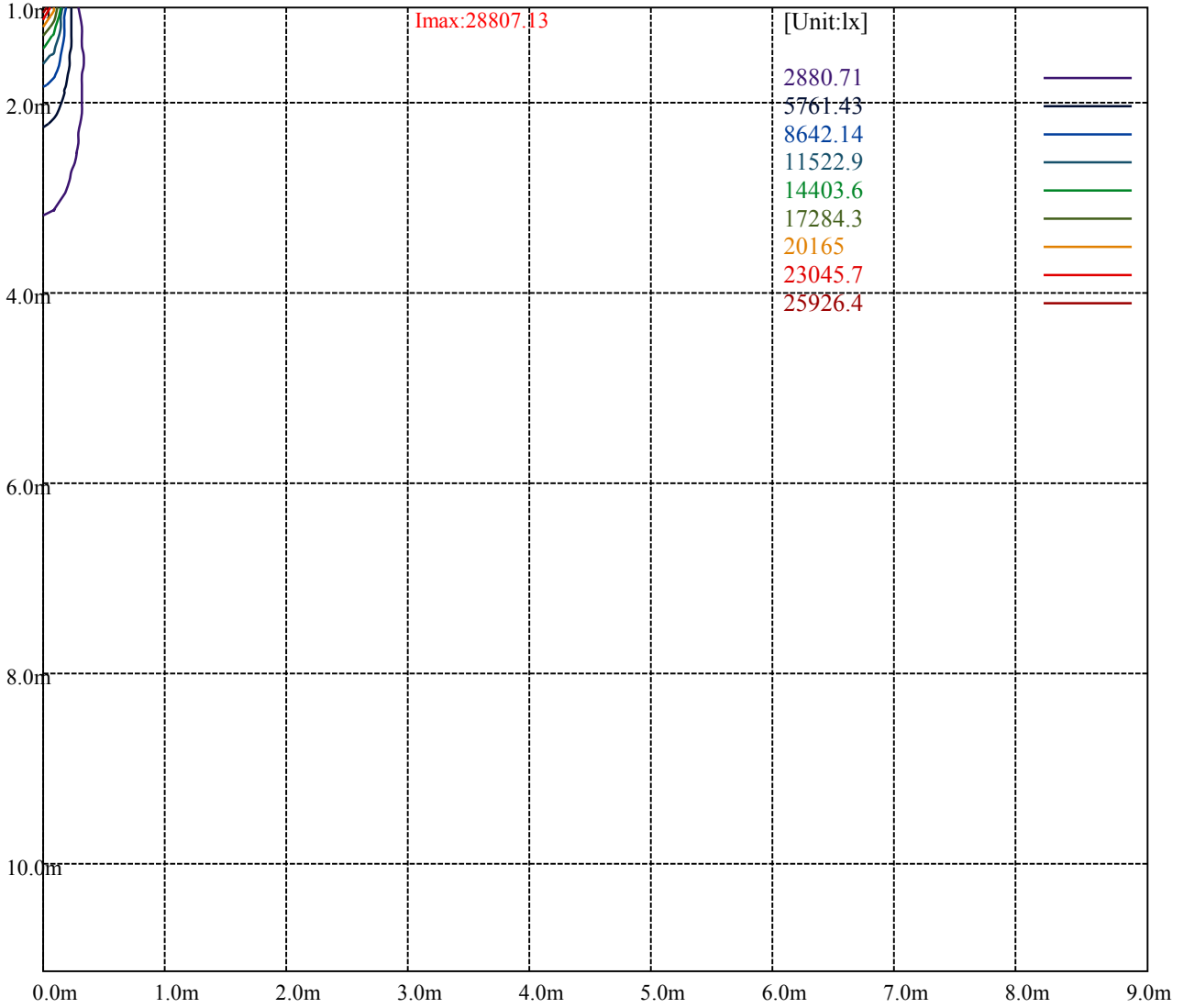
House

[Unit:cd]

Road

Imax:28807.13

(10%Imax) 2880.71	—
(20%Imax) 5761.43	—
(30%Imax) 8642.14	—
(40%Imax) 11522.9	—
(50%Imax) 14403.6	—
(60%Imax) 17284.3	—
(70%Imax) 20165	—
(80%Imax) 23045.7	—
(90%Imax) 25926.4	—



Luminance Table

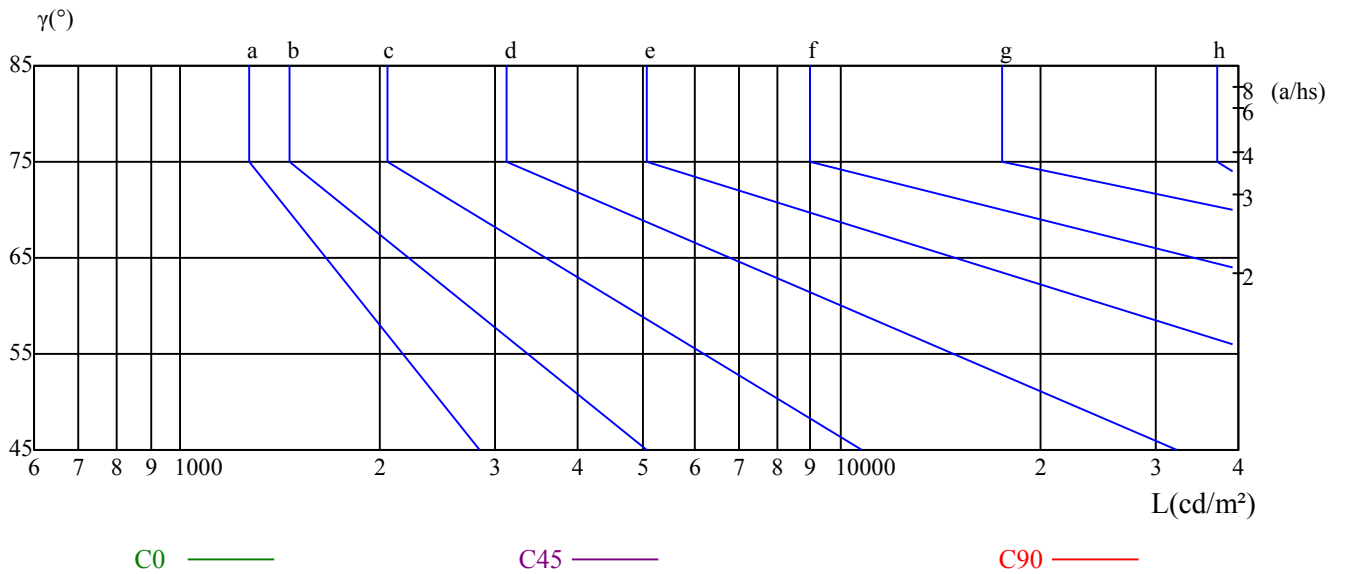
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

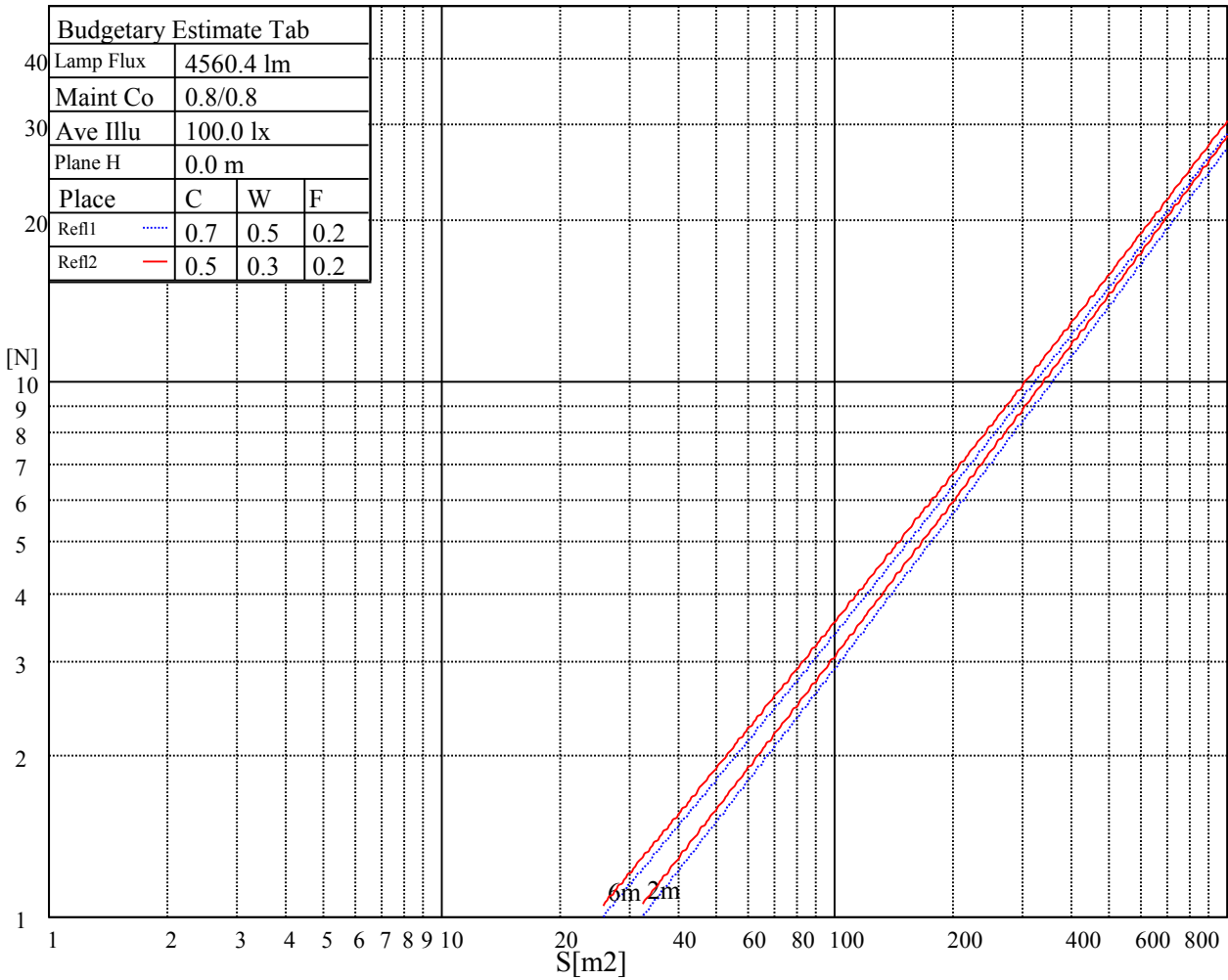
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

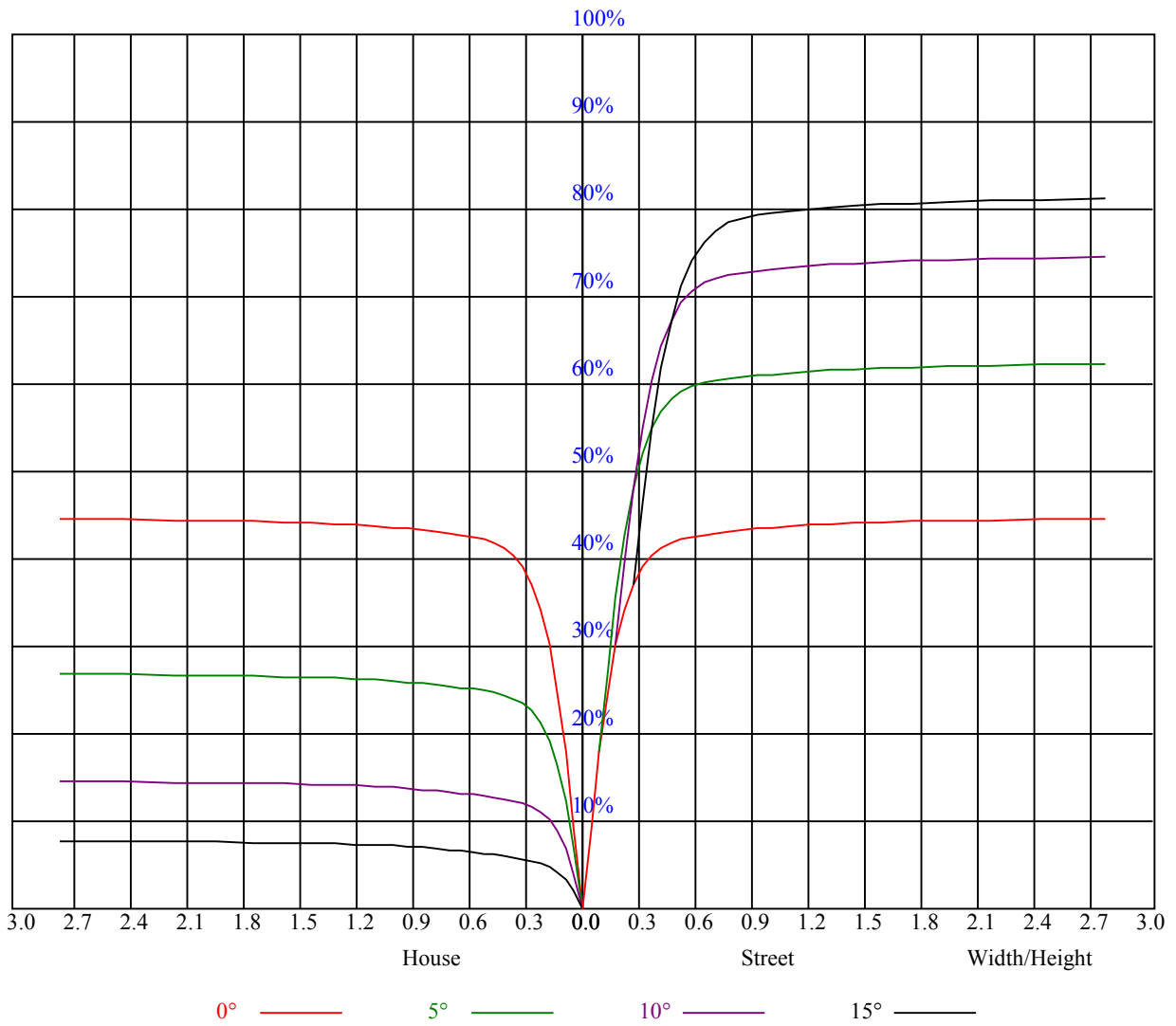


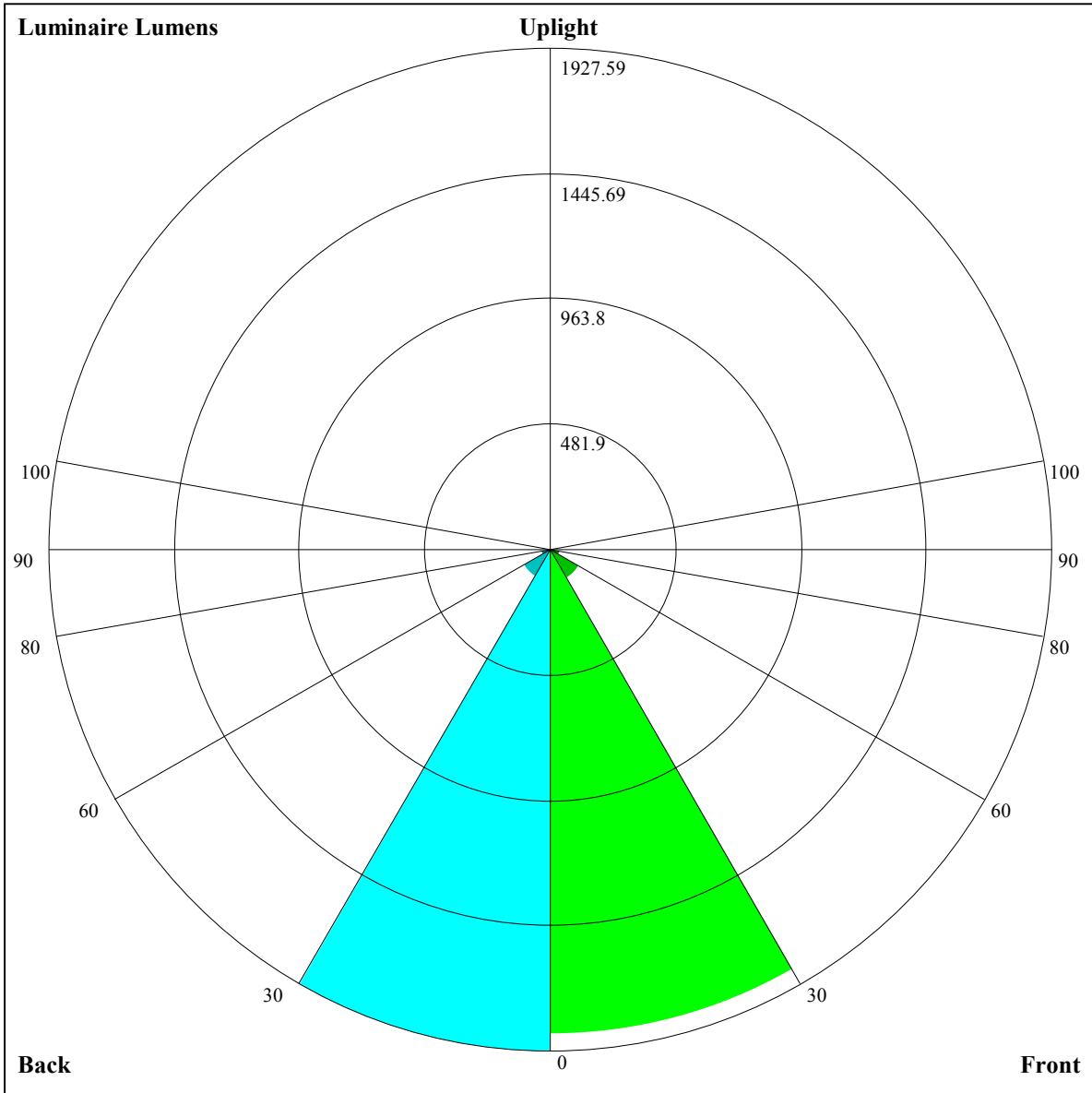
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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	1.07	1.07	1.07	1.04	1.04	1.04	1.00	1.00	1.00	0.96	0.96	0.96	0.92	0.92	0.92	0.90
1	1.01	0.99	0.98	0.99	0.98	0.96	0.96	0.94	0.93	0.92	0.91	0.90	0.89	0.89	0.88	0.86
2	0.96	0.93	0.91	0.95	0.92	0.90	0.92	0.90	0.88	0.89	0.88	0.86	0.87	0.86	0.85	0.83
3	0.92	0.89	0.86	0.91	0.88	0.85	0.89	0.86	0.84	0.87	0.85	0.83	0.85	0.83	0.82	0.80
4	0.89	0.85	0.82	0.88	0.84	0.82	0.86	0.83	0.81	0.84	0.82	0.80	0.83	0.81	0.79	0.78
5	0.86	0.82	0.79	0.85	0.81	0.79	0.83	0.80	0.78	0.82	0.79	0.77	0.81	0.79	0.77	0.76
6	0.83	0.79	0.76	0.82	0.79	0.76	0.81	0.78	0.76	0.80	0.77	0.75	0.79	0.77	0.75	0.74
7	0.80	0.77	0.74	0.80	0.76	0.74	0.79	0.76	0.74	0.78	0.75	0.73	0.77	0.75	0.73	0.72
8	0.78	0.75	0.72	0.78	0.74	0.72	0.77	0.74	0.72	0.76	0.73	0.71	0.76	0.73	0.71	0.70
9	0.76	0.73	0.70	0.76	0.73	0.70	0.75	0.72	0.70	0.75	0.72	0.70	0.74	0.71	0.70	0.69
10	0.74	0.71	0.69	0.74	0.71	0.69	0.74	0.71	0.68	0.73	0.70	0.68	0.72	0.70	0.68	0.67





Luminaire Lumens:

FL=1861.71,FM=124.44,FH=38.53,FVH=6.25

BL=1927.59,BM=119.13,BH=38.89,BVH=6.54

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	28837.18	28350.97	27258.37	25816.13	23975.08	21931.91	19763.09	17583.34	15398.12
45.0	28951.91	28897.28	28290.88	27072.62	25280.75	23035.44	20571.62	18107.79	15764.15
90.0	28864.50	28208.93	26930.58	25029.45	22554.70	19719.38	16955.09	14502.19	10684.87
135.0	28574.96	28848.11	28700.61	27908.47	26564.56	24974.82	22500.07	19664.75	16851.29
180.0	28837.18	28722.46	28165.23	27007.07	25269.82	23172.02	21746.17	18277.14	15938.96
225.0	28951.91	28487.55	27547.91	26526.32	24936.58	23046.37	20992.27	18801.59	16589.06
270.0	28864.50	28968.30	28618.66	27706.34	26400.67	24772.69	23019.05	21199.86	20096.33
315.0	28574.96	27810.13	26575.49	25007.60	23286.74	21440.24	19522.71	17435.83	15256.08
360.0	28837.18	28350.97	27258.37	25816.13	23975.08	21931.91	19763.09	17583.34	15398.12
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	10613.33	9940.81	9940.81	8446.67	7192.91	6115.61	5195.09	4401.30	3728.83
45.0	13606.25	11694.19	10049.81	8574.80	7258.21	6127.36	5127.62	4297.24	3570.66
90.0	10684.87	9477.54	8110.18	6837.81	5720.10	4780.46	4013.42	3331.63	2725.23
135.0	14458.48	12415.31	10743.62	9279.53	7957.47	6728.29	5613.83	4696.04	3936.68
180.0	14622.37	11885.39	10852.88	9306.84	7908.31	6662.73	5635.68	4761.60	3969.46
225.0	14414.78	10475.11	10475.11	8856.40	7464.41	6307.90	5323.47	4487.06	3788.36
270.0	17310.18	16048.22	13906.72	11907.25	10088.06	8542.02	7247.28	6176.52	5296.98
315.0	10359.30	10359.30	10008.58	8003.65	7281.96	6237.96	5360.06	4625.85	4006.79
360.0	10613.33	9940.81	9940.81	8446.67	7192.91	6115.61	5195.09	4401.30	3728.83
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	3147.53	2645.50	2207.89	1816.77	1070.39	1018.80	1018.80	784.41	534.04
45.0	2947.87	2833.15	2833.15	1723.90	1359.47	1066.12	822.50	629.07	483.22
90.0	2193.15	1731.52	1027.57	1027.57	774.72	584.91	444.21	381.90	303.56
135.0	3270.19	2904.17	2904.17	1673.08	1431.06	1090.18	823.01	615.42	467.40
180.0	3313.90	2855.00	2855.00	1768.68	1414.10	1125.69	885.84	685.92	590.32
225.0	3421.77	2695.18	2421.51	2006.84	1346.95	1015.14	1015.14	789.25	610.83
270.0	4559.47	3909.37	3357.60	2871.39	2871.39	2001.38	1649.58	1324.53	1151.36
315.0	3452.38	2958.54	2523.10	2128.16	1764.87	1043.59	1043.59	833.99	623.71
360.0	3147.53	2645.50	2207.89	1816.77	1070.39	1018.80	1018.80	784.41	534.04
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	454.67	359.32	293.30	248.21	215.48	189.76	169.71	155.44	145.18
45.0	376.69	304.02	280.01	280.01	191.10	169.04	152.45	140.96	131.94
90.0	251.51	213.99	185.23	163.58	146.73	134.31	126.63	121.27	117.20
135.0	363.60	292.01	292.01	203.78	178.37	158.89	143.89	136.83	123.12
180.0	468.48	378.34	312.78	283.25	283.25	202.49	180.18	162.24	148.64
225.0	470.13	370.25	300.98	253.31	217.90	189.04	165.80	147.86	138.79
270.0	791.32	661.34	482.65	363.60	290.93	290.93	214.09	186.16	163.17
315.0	461.21	393.08	310.00	245.27	225.69	198.58	175.13	155.85	143.17
360.0	454.67	359.32	293.30	248.21	215.48	189.76	169.71	155.44	145.18
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	137.25	131.58	127.56	122.20	116.99	113.85	111.48	109.21	107.46
45.0	125.70	121.01	118.85	118.13	116.63	114.72	112.82	110.91	109.16
90.0	113.69	111.68	110.09	108.49	108.18	106.53	104.78	102.97	98.90
135.0	116.73	113.69	109.67	107.82	107.71	107.77	107.61	105.70	102.82
180.0	138.12	130.24	124.77	120.65	117.66	114.78	110.76	107.66	104.11
225.0	126.89	114.16	109.72	104.42	100.40	96.74	93.28	91.48	90.09
270.0	145.90	134.31	126.32	120.34	116.27	109.88	104.73	101.94	98.39
315.0	134.93	128.59	123.85	119.67	115.65	112.56	110.50	108.80	106.89
360.0	137.25	131.58	127.56	122.20	116.99	113.85	111.48	109.21	107.46

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	106.12	104.47	102.92	101.63	99.83	98.18	96.38	94.21	91.43
45.0	106.84	104.78	102.56	100.24	98.18	96.07	94.68	92.46	90.24
90.0	95.96	93.49	92.05	89.52	87.41	84.68	81.84	79.37	77.26
135.0	100.09	98.28	96.12	92.97	90.45	88.49	85.97	83.75	81.79
180.0	101.43	99.31	96.63	94.57	92.00	90.19	88.08	86.33	83.85
225.0	88.28	86.94	85.76	84.78	83.13	81.43	79.27	77.41	75.97
270.0	96.58	94.68	93.49	92.30	91.07	89.57	88.49	87.00	85.45
315.0	105.24	103.49	101.74	99.98	98.85	97.25	94.37	92.82	90.09
360.0	106.12	104.47	102.92	101.63	99.83	98.18	96.38	94.21	91.43
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	88.49	85.45	81.95	78.34	74.37	70.30	65.97	61.74	57.72
45.0	88.03	85.30	82.10	78.70	74.94	71.23	67.05	63.13	59.53
90.0	74.68	72.46	69.68	66.95	64.16	61.28	57.62	54.48	51.43
135.0	79.68	78.18	74.63	72.00	70.25	66.90	63.60	60.45	57.26
180.0	81.02	79.32	76.07	73.44	70.61	67.10	64.73	61.02	59.06
225.0	73.96	71.79	69.37	67.36	63.24	61.12	57.41	54.48	51.18
270.0	83.75	81.48	79.32	76.84	73.65	70.35	66.69	63.24	59.58
315.0	86.84	83.34	79.47	75.25	71.12	66.79	62.67	58.39	54.58
360.0	88.49	85.45	81.95	78.34	74.37	70.30	65.97	61.74	57.72
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	54.17	50.87	47.83	45.10	43.70	41.49	41.64	42.26	39.99
45.0	55.82	52.41	49.27	46.49	43.91	41.85	41.44	40.35	38.81
90.0	48.60	45.87	43.34	41.23	39.99	38.19	35.61	34.63	33.04
135.0	54.11	51.23	48.50	45.92	43.60	41.80	40.15	38.55	38.09
180.0	54.68	52.47	50.20	46.49	44.99	43.24	41.28	39.48	40.10
225.0	48.08	45.46	42.62	40.66	37.98	36.44	34.43	33.29	33.40
270.0	55.76	53.96	49.27	47.36	44.58	41.90	39.27	36.64	34.12
315.0	50.87	47.57	44.63	42.00	39.43	37.62	35.51	33.45	31.80
360.0	54.17	50.87	47.83	45.10	43.70	41.49	41.64	42.26	39.99
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	38.19	34.84	32.47	30.67	29.02	26.65	23.66	20.77	18.55
45.0	37.06	34.99	32.37	31.03	30.10	28.55	26.95	25.51	23.76
90.0	31.49	30.56	29.53	28.35	26.49	24.79	23.14	21.49	20.00
135.0	37.42	36.54	34.53	32.68	31.28	30.20	28.35	26.90	24.74
180.0	40.20	37.73	35.82	33.55	31.54	29.79	27.88	26.44	24.17
225.0	31.59	29.48	26.49	24.64	22.47	21.03	19.89	18.30	17.21
270.0	31.75	29.38	27.16	25.10	23.14	21.23	19.48	17.88	16.44
315.0	28.29	25.92	23.66	21.70	19.79	18.30	16.96	15.72	14.33
360.0	38.19	34.84	32.47	30.67	29.02	26.65	23.66	20.77	18.55
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	16.80	15.31	13.86	12.78	11.49	10.20	8.66	7.68	6.65
45.0	21.85	19.64	17.68	15.31	13.55	11.96	10.36	9.02	7.83
90.0	18.50	17.01	15.00	13.35	11.75	10.57	9.59	8.71	7.32
135.0	20.77	18.40	16.49	14.33	12.68	11.60	10.41	8.81	7.16
180.0	21.13	18.09	15.31	13.97	12.68	11.60	10.10	8.45	6.96
225.0	15.46	13.81	12.58	11.13	9.95	8.76	7.68	6.60	5.62
270.0	14.95	13.55	11.70	10.62	9.69	8.66	7.68	6.13	5.41
315.0	12.83	11.49	10.77	9.74	8.66	7.58	6.34	5.51	4.79
360.0	16.80	15.31	13.86	12.78	11.49	10.20	8.66	7.68	6.65

Intensity data(cd)

C/ γ (°)	90.0
0.0	6.08
45.0	7.42
90.0	7.16
135.0	5.93
180.0	5.77
225.0	5.00
270.0	4.54
315.0	4.64
360.0	6.08