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Nata

Client:

LumCAT: 2-2755-L

Luminaire: 92.70.411.00

Report No: 2024902-B021

Ballast type:

Test No: 2024902-C021

Voltage(V):

LampCAT: LUMILEDS LUXEON CoB 1208 Current(A):

Lamp flux(lm): 4053.0 Power (W): 32.800

Number of Lamps: 1 PF:

Length(mm): 0 Width(mm): 0

Phm Type: C Height(mm): 0

Photometric Results

Lumens(lm): 3798.89, Efficiency(%): 93.73% , Luminous Efficacy(lm/W): 115.82

Central intensity(cd): 13279.160, Maximum intensity(cd): 13279.160

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=25.4

[C90/270]Total=25.4

Field angle(10%Imax): [C0/180]Total=56.4

[C90/270]Total=56.4

Maximum s/h(1/2): C0_180=0.43 C90_270=0.43

Maximum s/h(1/4): C0_180=0.45 C90_270=0.45

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 93.73%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 99.004%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	13279.154	0.000	0	0.00%	0.00%
1.0	13206.026	12.673	12.673	0.31%	0.33%
2.0	13009.626	37.627	50.3	0.93%	1.32%
3.0	12615.466	61.287	111.587	1.51%	2.94%
4.0	12166.432	82.953	194.54	2.05%	5.12%
5.0	11737.838	102.835	297.375	2.54%	7.83%
6.0	10993.328	119.458	416.833	2.95%	10.97%
7.0	10499.820	133.408	550.24	3.29%	14.48%
8.0	9997.670	146.697	696.937	3.62%	18.35%
9.0	9233.877	155.861	852.798	3.85%	22.45%
10.0	8580.454	161.213	1014.011	3.98%	26.69%
11.0	7876.977	164.444	1178.455	4.06%	31.02%
12.0	7124.946	163.992	1342.447	4.05%	35.34%
13.0	6420.975	160.756	1503.203	3.97%	39.57%
14.0	5818.820	156.668	1659.872	3.87%	43.69%
15.0	5161.710	150.746	1810.617	3.72%	47.66%
16.0	4580.868	142.756	1953.373	3.52%	51.42%
17.0	4090.768	135.041	2088.414	3.33%	54.97%
18.0	3614.257	127.039	2215.453	3.13%	58.32%
19.0	3245.005	119.337	2334.79	2.94%	61.46%
20.0	2956.812	113.510	2448.301	2.80%	64.45%
21.0	2747.389	109.532	2557.833	2.70%	67.33%
22.0	2436.909	104.181	2662.014	2.57%	70.07%
23.0	2209.064	97.485	2759.499	2.41%	72.64%
24.0	2043.098	92.968	2852.466	2.29%	75.09%
25.0	1837.532	88.237	2940.703	2.18%	77.41%
26.0	1684.950	83.149	3023.852	2.05%	79.60%
27.0	1504.792	78.038	3101.89	1.93%	81.65%
28.0	1357.768	72.474	3174.364	1.79%	83.56%
29.0	1211.513	67.220	3241.583	1.66%	85.33%
30.0	1076.053	61.764	3303.347	1.52%	86.96%
31.0	958.221	56.611	3359.958	1.40%	88.45%
32.0	824.555	51.074	3411.032	1.26%	89.79%
33.0	697.590	44.843	3455.875	1.11%	90.97%
34.0	588.273	38.914	3494.789	0.96%	92.00%
35.0	494.081	33.614	3528.403	0.83%	92.88%
36.0	415.723	28.968	3557.372	0.71%	93.64%
37.0	352.471	25.054	3582.426	0.62%	94.30%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	305.625	21.966	3604.392	0.54%	94.88%
39.0	259.514	19.290	3623.682	0.48%	95.39%
40.0	218.811	16.682	3640.364	0.41%	95.83%
41.0	180.920	14.234	3654.598	0.35%	96.20%
42.0	157.865	12.309	3666.907	0.30%	96.53%
43.0	127.464	10.569	3677.476	0.26%	96.80%
44.0	108.088	8.890	3686.367	0.22%	97.04%
45.0	93.226	7.737	3694.104	0.19%	97.24%
46.0	81.899	6.849	3700.952	0.17%	97.42%
47.0	72.694	6.149	3707.101	0.15%	97.58%
48.0	66.117	5.611	3712.712	0.14%	97.73%
49.0	60.677	5.207	3717.919	0.13%	97.87%
50.0	56.478	4.885	3722.804	0.12%	98.00%
51.0	52.865	4.626	3727.43	0.11%	98.12%
52.0	49.803	4.406	3731.835	0.11%	98.23%
53.0	46.978	4.210	3736.045	0.10%	98.35%
54.0	44.330	4.024	3740.07	0.10%	98.45%
55.0	42.306	3.867	3743.937	0.10%	98.55%
56.0	40.079	3.723	3747.66	0.09%	98.65%
57.0	38.062	3.573	3751.233	0.09%	98.75%
58.0	35.966	3.423	3754.656	0.08%	98.84%
59.0	34.021	3.272	3757.928	0.08%	98.92%
60.0	32.109	3.124	3761.052	0.08%	99.00%
61.0	30.079	2.968	3764.02	0.07%	99.08%
62.0	28.279	2.812	3766.832	0.07%	99.16%
63.0	26.229	2.651	3769.483	0.07%	99.23%
64.0	24.691	2.499	3771.982	0.06%	99.29%
65.0	22.963	2.358	3774.34	0.06%	99.35%
66.0	21.281	2.207	3776.547	0.05%	99.41%
67.0	19.934	2.072	3778.62	0.05%	99.47%
68.0	18.377	1.941	3780.561	0.05%	99.52%
69.0	16.886	1.799	3782.36	0.04%	99.56%
70.0	15.683	1.673	3784.032	0.04%	99.61%
71.0	14.363	1.553	3785.585	0.04%	99.65%
72.0	13.095	1.428	3787.013	0.04%	99.69%
73.0	12.004	1.312	3788.325	0.03%	99.72%
74.0	11.032	1.211	3789.536	0.03%	99.75%
75.0	10.092	1.116	3790.653	0.03%	99.78%

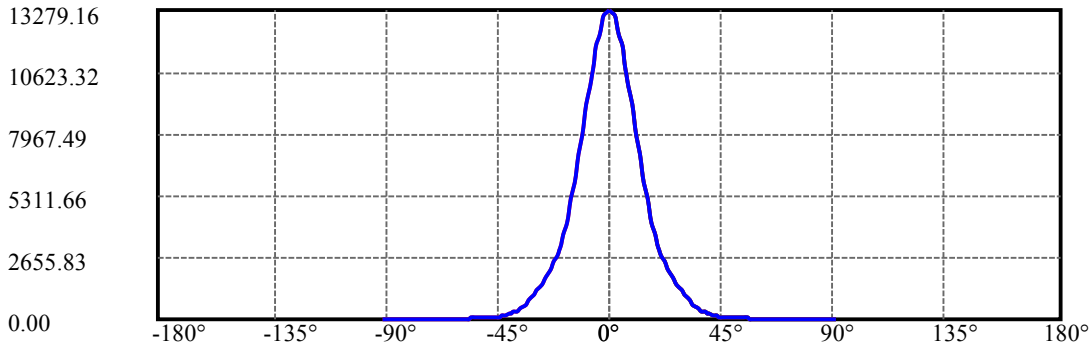
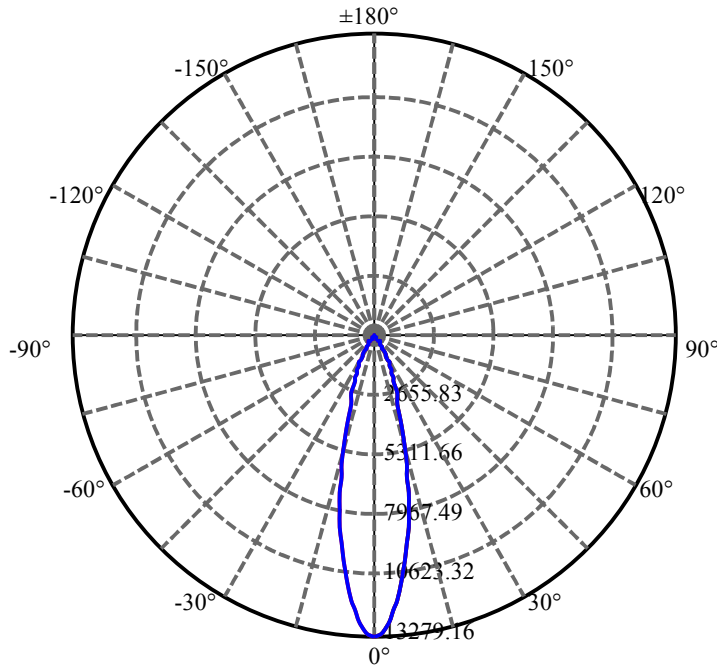
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	9.225	1.025	3791.678	0.03%	99.81%
77.0	8.436	0.942	3792.62	0.02%	99.83%
78.0	7.661	0.862	3793.481	0.02%	99.86%
79.0	6.978	0.787	3794.268	0.02%	99.88%
80.0	6.301	0.716	3794.984	0.02%	99.90%
81.0	5.618	0.645	3795.628	0.02%	99.91%
82.0	5.046	0.578	3796.207	0.01%	99.93%
83.0	4.442	0.516	3796.722	0.01%	99.94%
84.0	3.890	0.454	3797.176	0.01%	99.95%
85.0	3.371	0.396	3797.573	0.01%	99.97%
86.0	2.937	0.345	3797.917	0.01%	99.97%
87.0	2.530	0.299	3798.217	0.01%	99.98%
88.0	2.175	0.258	3798.474	0.01%	99.99%
89.0	1.840	0.220	3798.694	0.01%	99.99%
90.0	1.702	0.194	3798.889	0.00%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	3303.35	81.50%	86.96%
0-40	3640.36	89.82%	95.83%
0-60	3761.05	92.80%	99.00%
0-90	3798.69	93.73%	99.99%
0-120	3798.69	93.73%	99.99%
0-180	3798.89	93.73%	100.00%
60-90	37.64	0.93%	0.99%
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%
0-26.20	3039.11	74.98%	80.00%

ZONAL LUMEN SUMMARY

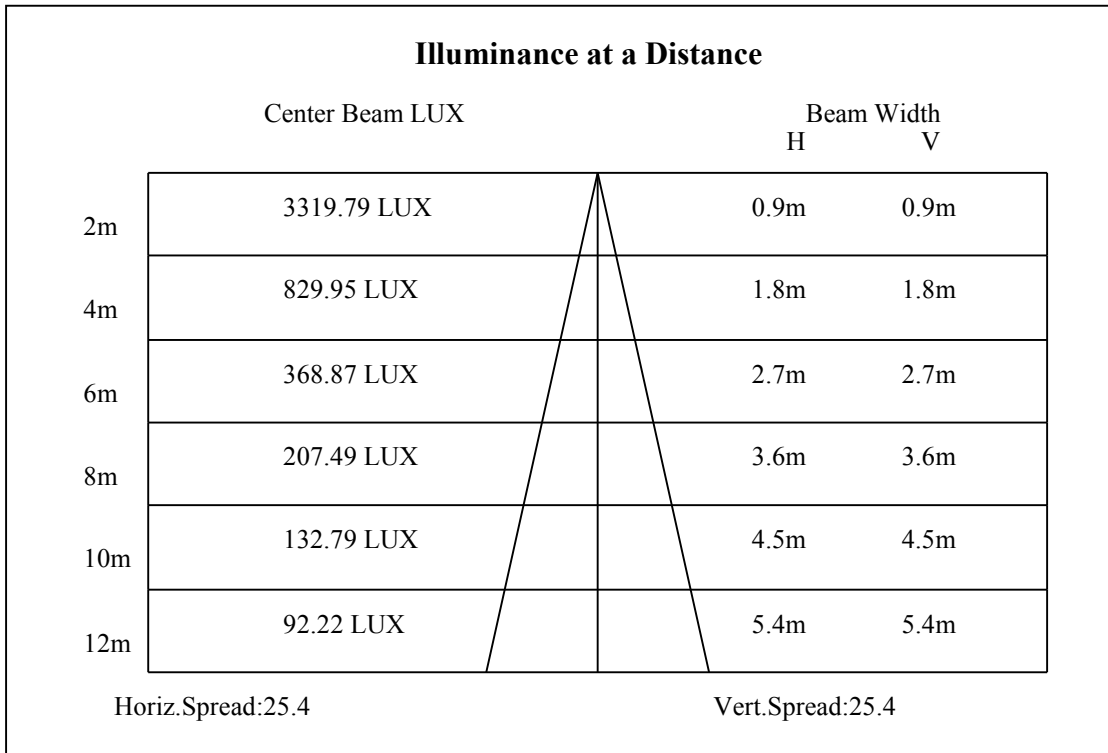
0-10	1014.01
10-20	1434.29
20-30	855.05
30-40	337.02
40-50	82.44
50-60	38.25
60-70	22.98
70-80	10.95
80-90	3.71
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

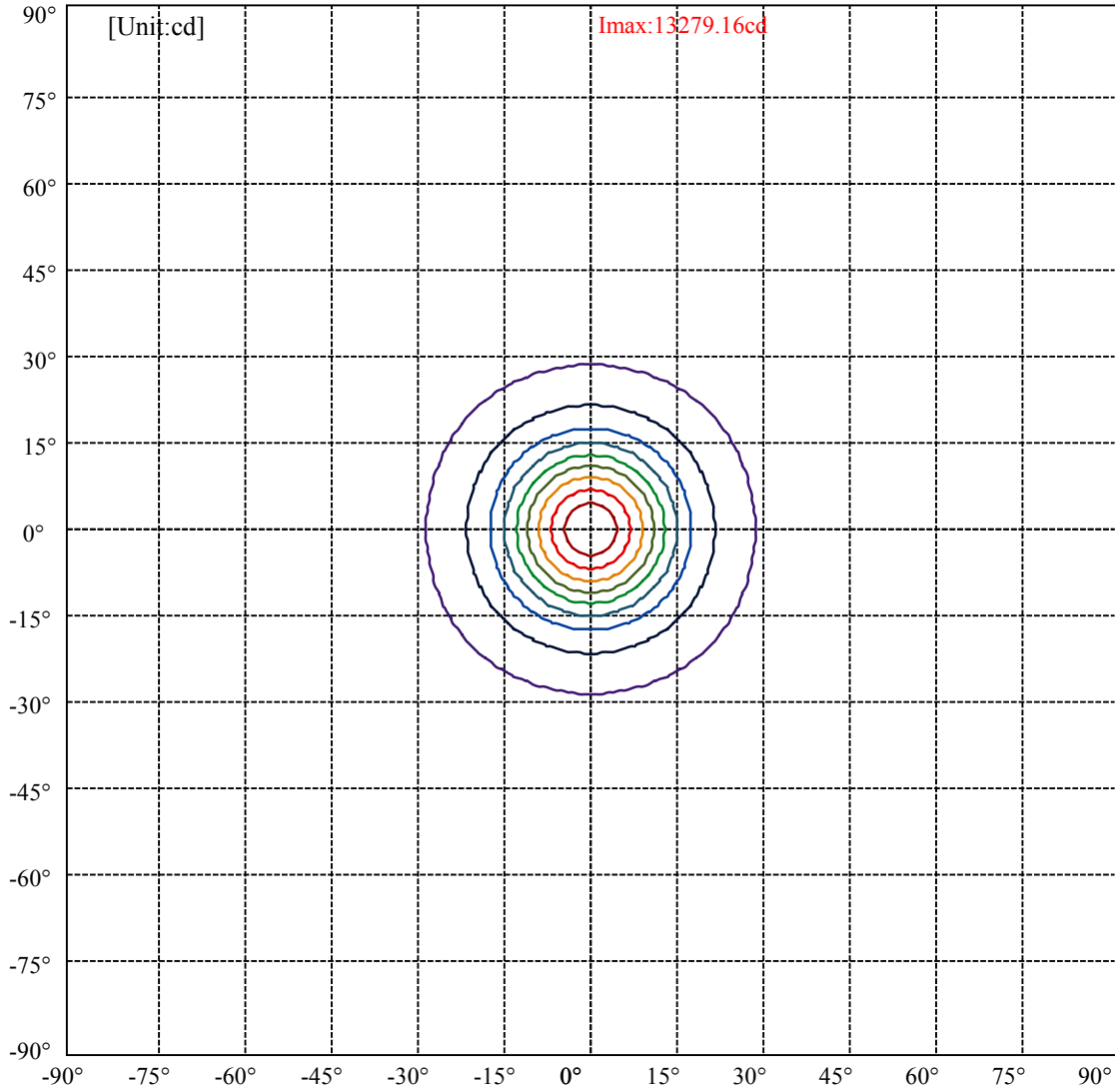


C0(Max): ———
C0/C180: ———
C90/C270: ———

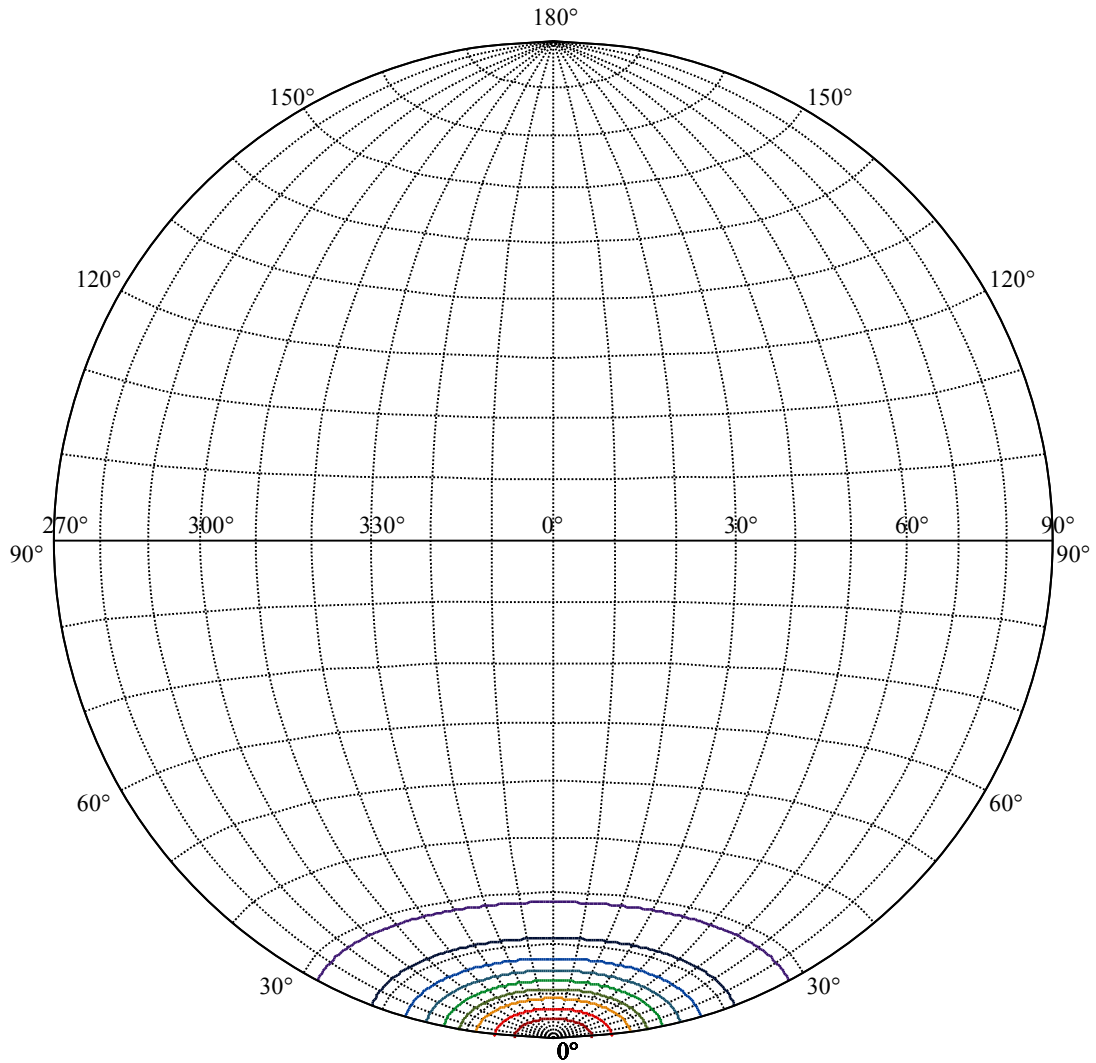
Field angle(10%Imax):C0/180Left:28.2 Right:28.2
:C90/270Left:28.2 Right:28.2

Beam Angle(50%Imax):C0/180Left:12.7 Right:12.7
:C90/270Left:12.7 Right:12.7





(10%Imax) 1327.92	—
(20%Imax) 2655.83	—
(30%Imax) 3983.75	—
(40%Imax) 5311.66	—
(50%Imax) 6639.58	—
(60%Imax) 7967.49	—
(70%Imax) 9295.41	—
(80%Imax) 10623.3	—
(90%Imax) 11951.2	—



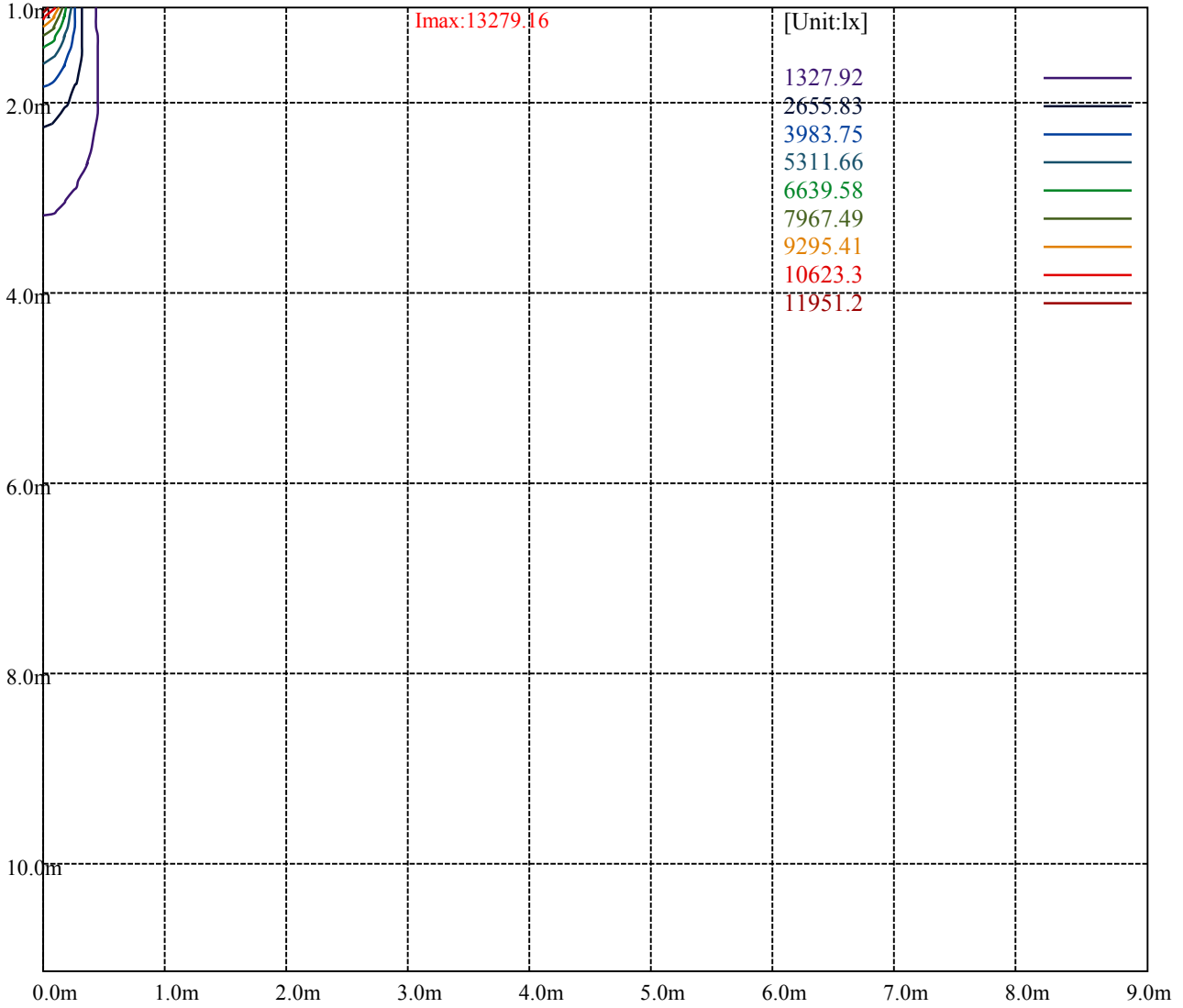
House

[Unit:cd]

Road

Imax:13279.16

(10%Imax) 1327.92	—
(20%Imax) 2655.83	—
(30%Imax) 3983.75	—
(40%Imax) 5311.66	—
(50%Imax) 6639.58	—
(60%Imax) 7967.49	—
(70%Imax) 9295.41	—
(80%Imax) 10623.3	—
(90%Imax) 11951.2	—



Luminance Table

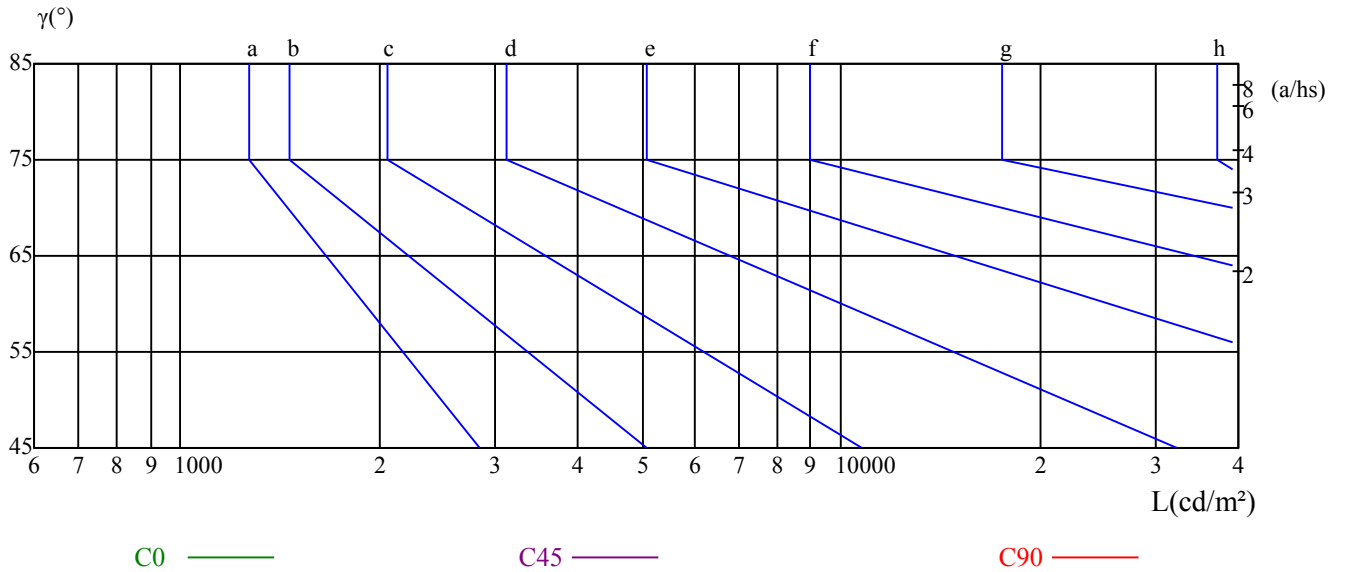
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

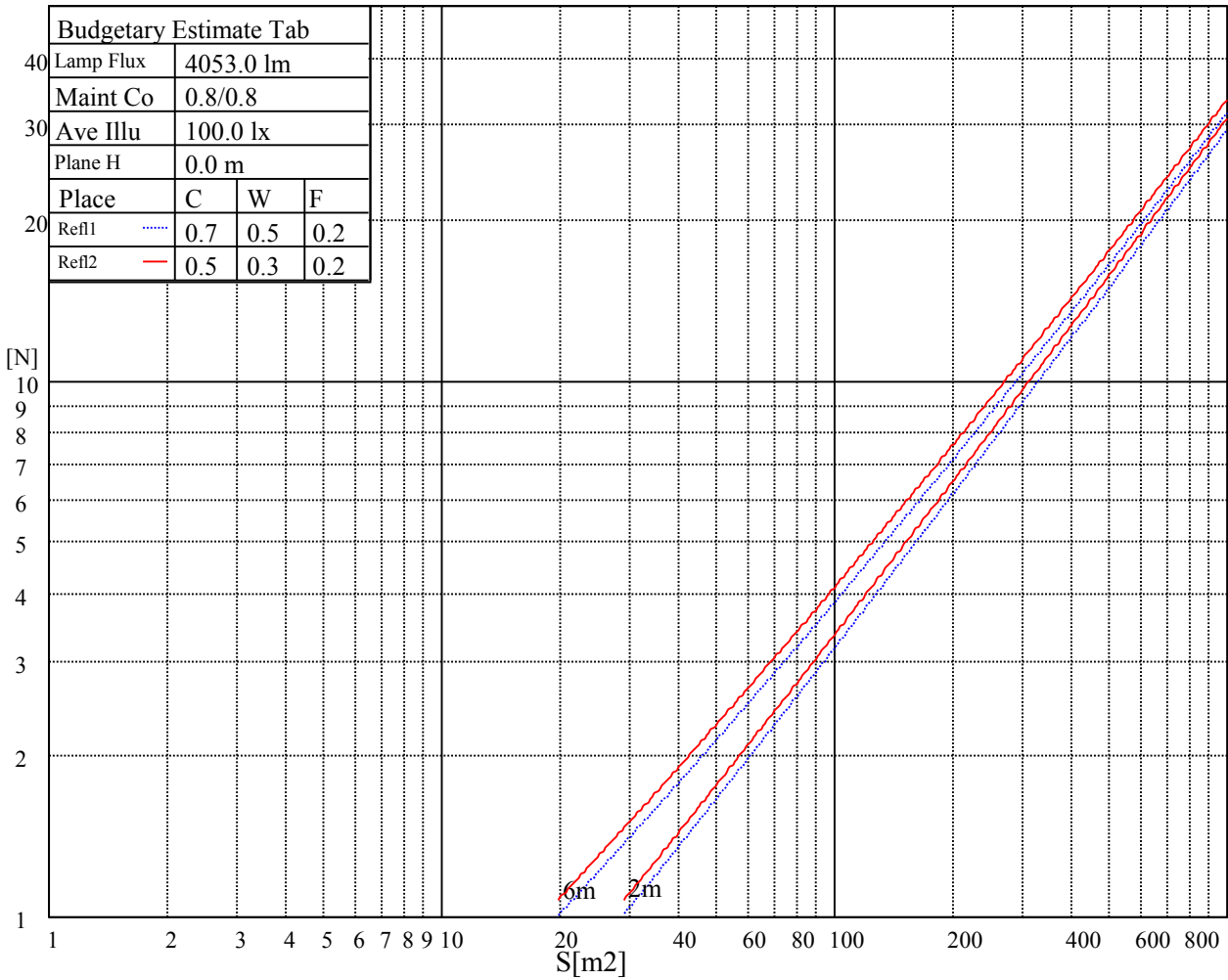
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

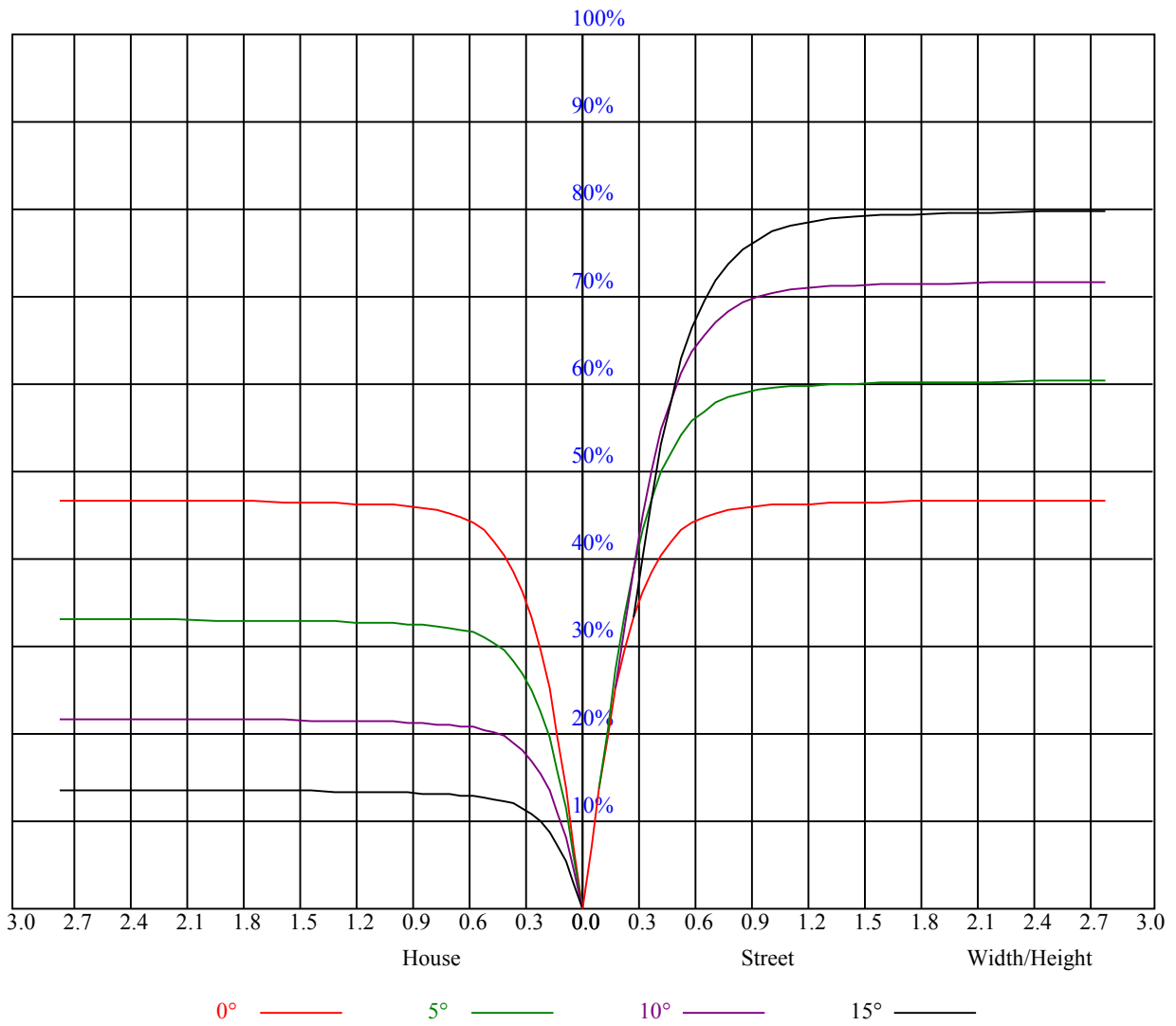


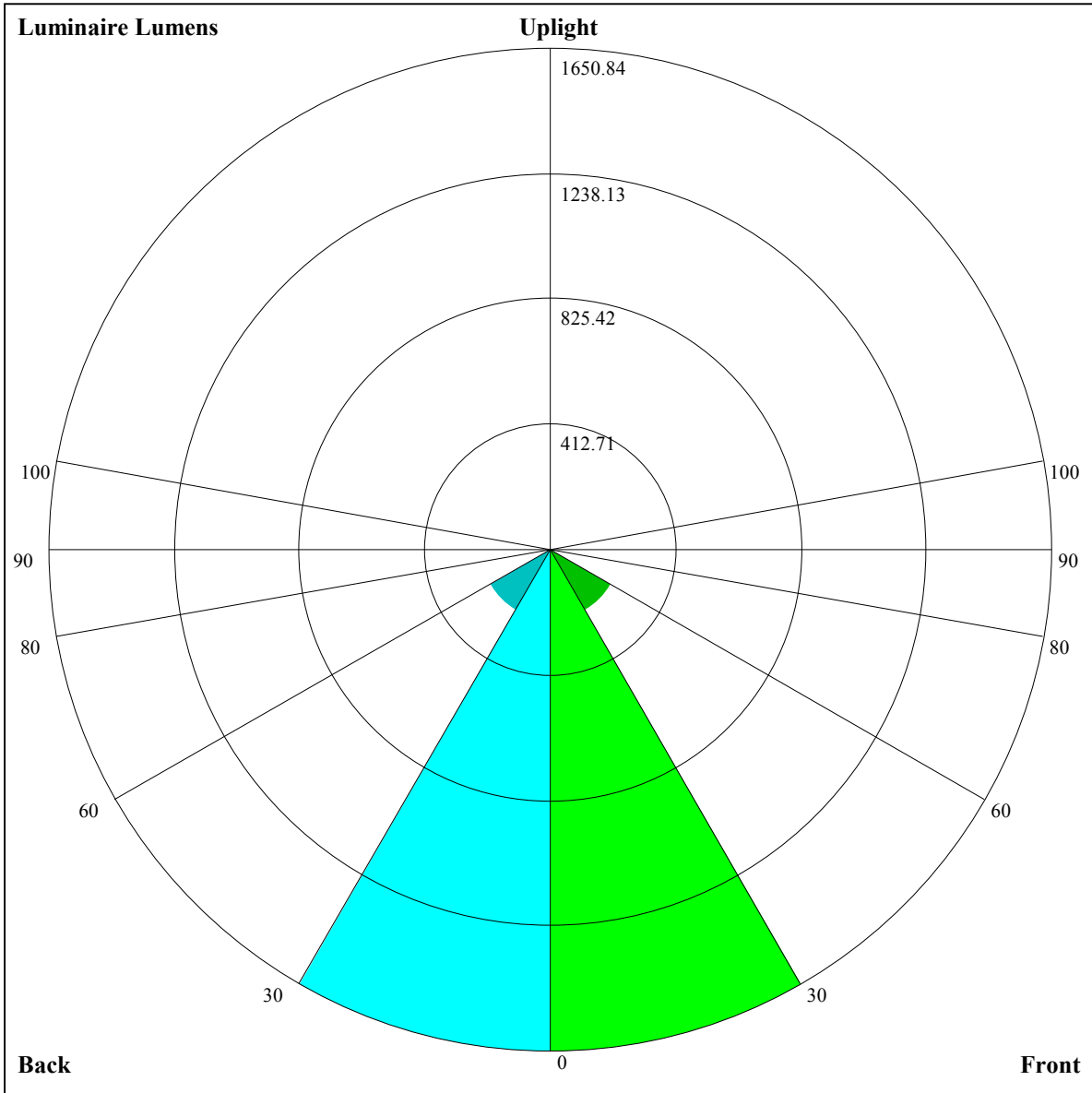
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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	
4H	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	
	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	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	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	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	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	1.12	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	1.05	1.03	1.01	1.03	1.01	1.00	0.99	0.98	0.96	0.96	0.95	0.94	0.93	0.92	0.91	0.89
2	0.99	0.96	0.93	0.98	0.95	0.92	0.95	0.92	0.90	0.92	0.90	0.88	0.89	0.88	0.86	0.85
3	0.94	0.90	0.87	0.93	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	0.84	0.81	0.86	0.83	0.80	0.85	0.82	0.80	0.83	0.81	0.79	0.77
5	0.85	0.81	0.78	0.85	0.80	0.77	0.83	0.79	0.77	0.81	0.78	0.76	0.80	0.77	0.75	0.74
6	0.82	0.77	0.74	0.81	0.77	0.74	0.80	0.76	0.73	0.78	0.75	0.73	0.77	0.74	0.72	0.71
7	0.78	0.74	0.71	0.78	0.73	0.70	0.77	0.73	0.70	0.76	0.72	0.70	0.75	0.72	0.69	0.68
8	0.75	0.71	0.68	0.75	0.70	0.68	0.74	0.70	0.67	0.73	0.70	0.67	0.72	0.69	0.67	0.66
9	0.72	0.68	0.65	0.72	0.68	0.65	0.71	0.67	0.65	0.70	0.67	0.65	0.70	0.67	0.64	0.63
10	0.70	0.66	0.63	0.70	0.65	0.63	0.69	0.65	0.62	0.68	0.65	0.62	0.68	0.64	0.62	0.61





Luminaire Lumens:

FL=1650.84,FM=230.57,FH=17.01,FVH=1.97

BL=1650.84,BM=230.57,BH=17.01,BVH=1.97

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	13279.15	13206.03	13009.63	12615.47	12166.43	11737.84	10993.33	10499.82	9997.67
45.0	13279.15	13206.03	13009.63	12615.47	12166.43	11737.84	10993.33	10499.82	9997.67
90.0	13279.15	13206.03	13009.63	12615.47	12166.43	11737.84	10993.33	10499.82	9997.67
135.0	13279.15	13206.03	13009.63	12615.47	12166.43	11737.84	10993.33	10499.82	9997.67
180.0	13279.15	13206.03	13009.63	12615.47	12166.43	11737.84	10993.33	10499.82	9997.67
225.0	13279.15	13206.03	13009.63	12615.47	12166.43	11737.84	10993.33	10499.82	9997.67
270.0	13279.15	13206.03	13009.63	12615.47	12166.43	11737.84	10993.33	10499.82	9997.67
315.0	13279.15	13206.03	13009.63	12615.47	12166.43	11737.84	10993.33	10499.82	9997.67
360.0	13279.15	13206.03	13009.63	12615.47	12166.43	11737.84	10993.33	10499.82	9997.67
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	9233.88	8580.45	7876.98	7124.95	6420.98	5818.82	5161.71	4580.87	4090.77
45.0	9233.88	8580.45	7876.98	7124.95	6420.98	5818.82	5161.71	4580.87	4090.77
90.0	9233.88	8580.45	7876.98	7124.95	6420.98	5818.82	5161.71	4580.87	4090.77
135.0	9233.88	8580.45	7876.98	7124.95	6420.98	5818.82	5161.71	4580.87	4090.77
180.0	9233.88	8580.45	7876.98	7124.95	6420.98	5818.82	5161.71	4580.87	4090.77
225.0	9233.88	8580.45	7876.98	7124.95	6420.98	5818.82	5161.71	4580.87	4090.77
270.0	9233.88	8580.45	7876.98	7124.95	6420.98	5818.82	5161.71	4580.87	4090.77
315.0	9233.88	8580.45	7876.98	7124.95	6420.98	5818.82	5161.71	4580.87	4090.77
360.0	9233.88	8580.45	7876.98	7124.95	6420.98	5818.82	5161.71	4580.87	4090.77
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	3614.26	3245.01	2956.81	2747.39	2436.91	2209.06	2043.10	1837.53	1684.95
45.0	3614.26	3245.01	2956.81	2747.39	2436.91	2209.06	2043.10	1837.53	1684.95
90.0	3614.26	3245.01	2956.81	2747.39	2436.91	2209.06	2043.10	1837.53	1684.95
135.0	3614.26	3245.01	2956.81	2747.39	2436.91	2209.06	2043.10	1837.53	1684.95
180.0	3614.26	3245.01	2956.81	2747.39	2436.91	2209.06	2043.10	1837.53	1684.95
225.0	3614.26	3245.01	2956.81	2747.39	2436.91	2209.06	2043.10	1837.53	1684.95
270.0	3614.26	3245.01	2956.81	2747.39	2436.91	2209.06	2043.10	1837.53	1684.95
315.0	3614.26	3245.01	2956.81	2747.39	2436.91	2209.06	2043.10	1837.53	1684.95
360.0	3614.26	3245.01	2956.81	2747.39	2436.91	2209.06	2043.10	1837.53	1684.95
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1504.79	1357.77	1211.51	1076.05	958.22	824.56	697.59	588.27	494.08
45.0	1504.79	1357.77	1211.51	1076.05	958.22	824.56	697.59	588.27	494.08
90.0	1504.79	1357.77	1211.51	1076.05	958.22	824.56	697.59	588.27	494.08
135.0	1504.79	1357.77	1211.51	1076.05	958.22	824.56	697.59	588.27	494.08
180.0	1504.79	1357.77	1211.51	1076.05	958.22	824.56	697.59	588.27	494.08
225.0	1504.79	1357.77	1211.51	1076.05	958.22	824.56	697.59	588.27	494.08
270.0	1504.79	1357.77	1211.51	1076.05	958.22	824.56	697.59	588.27	494.08
315.0	1504.79	1357.77	1211.51	1076.05	958.22	824.56	697.59	588.27	494.08
360.0	1504.79	1357.77	1211.51	1076.05	958.22	824.56	697.59	588.27	494.08
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	415.72	352.47	305.63	259.51	218.81	180.92	157.87	127.46	108.09
45.0	415.72	352.47	305.63	259.51	218.81	180.92	157.87	127.46	108.09
90.0	415.72	352.47	305.63	259.51	218.81	180.92	157.87	127.46	108.09
135.0	415.72	352.47	305.63	259.51	218.81	180.92	157.87	127.46	108.09
180.0	415.72	352.47	305.63	259.51	218.81	180.92	157.87	127.46	108.09
225.0	415.72	352.47	305.63	259.51	218.81	180.92	157.87	127.46	108.09
270.0	415.72	352.47	305.63	259.51	218.81	180.92	157.87	127.46	108.09
315.0	415.72	352.47	305.63	259.51	218.81	180.92	157.87	127.46	108.09
360.0	415.72	352.47	305.63	259.51	218.81	180.92	157.87	127.46	108.09

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	93.23	81.90	72.69	66.12	60.68	56.48	52.87	49.80	46.98
45.0	93.23	81.90	72.69	66.12	60.68	56.48	52.87	49.80	46.98
90.0	93.23	81.90	72.69	66.12	60.68	56.48	52.87	49.80	46.98
135.0	93.23	81.90	72.69	66.12	60.68	56.48	52.87	49.80	46.98
180.0	93.23	81.90	72.69	66.12	60.68	56.48	52.87	49.80	46.98
225.0	93.23	81.90	72.69	66.12	60.68	56.48	52.87	49.80	46.98
270.0	93.23	81.90	72.69	66.12	60.68	56.48	52.87	49.80	46.98
315.0	93.23	81.90	72.69	66.12	60.68	56.48	52.87	49.80	46.98
360.0	93.23	81.90	72.69	66.12	60.68	56.48	52.87	49.80	46.98
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	44.33	42.31	40.08	38.06	35.97	34.02	32.11	30.08	28.28
45.0	44.33	42.31	40.08	38.06	35.97	34.02	32.11	30.08	28.28
90.0	44.33	42.31	40.08	38.06	35.97	34.02	32.11	30.08	28.28
135.0	44.33	42.31	40.08	38.06	35.97	34.02	32.11	30.08	28.28
180.0	44.33	42.31	40.08	38.06	35.97	34.02	32.11	30.08	28.28
225.0	44.33	42.31	40.08	38.06	35.97	34.02	32.11	30.08	28.28
270.0	44.33	42.31	40.08	38.06	35.97	34.02	32.11	30.08	28.28
315.0	44.33	42.31	40.08	38.06	35.97	34.02	32.11	30.08	28.28
360.0	44.33	42.31	40.08	38.06	35.97	34.02	32.11	30.08	28.28
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	26.23	24.69	22.96	21.28	19.93	18.38	16.89	15.68	14.36
45.0	26.23	24.69	22.96	21.28	19.93	18.38	16.89	15.68	14.36
90.0	26.23	24.69	22.96	21.28	19.93	18.38	16.89	15.68	14.36
135.0	26.23	24.69	22.96	21.28	19.93	18.38	16.89	15.68	14.36
180.0	26.23	24.69	22.96	21.28	19.93	18.38	16.89	15.68	14.36
225.0	26.23	24.69	22.96	21.28	19.93	18.38	16.89	15.68	14.36
270.0	26.23	24.69	22.96	21.28	19.93	18.38	16.89	15.68	14.36
315.0	26.23	24.69	22.96	21.28	19.93	18.38	16.89	15.68	14.36
360.0	26.23	24.69	22.96	21.28	19.93	18.38	16.89	15.68	14.36
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	13.10	12.00	11.03	10.09	9.23	8.44	7.66	6.98	6.30
45.0	13.10	12.00	11.03	10.09	9.23	8.44	7.66	6.98	6.30
90.0	13.10	12.00	11.03	10.09	9.23	8.44	7.66	6.98	6.30
135.0	13.10	12.00	11.03	10.09	9.23	8.44	7.66	6.98	6.30
180.0	13.10	12.00	11.03	10.09	9.23	8.44	7.66	6.98	6.30
225.0	13.10	12.00	11.03	10.09	9.23	8.44	7.66	6.98	6.30
270.0	13.10	12.00	11.03	10.09	9.23	8.44	7.66	6.98	6.30
315.0	13.10	12.00	11.03	10.09	9.23	8.44	7.66	6.98	6.30
360.0	13.10	12.00	11.03	10.09	9.23	8.44	7.66	6.98	6.30
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	5.62	5.05	4.44	3.89	3.37	2.94	2.53	2.18	1.84
45.0	5.62	5.05	4.44	3.89	3.37	2.94	2.53	2.18	1.84
90.0	5.62	5.05	4.44	3.89	3.37	2.94	2.53	2.18	1.84
135.0	5.62	5.05	4.44	3.89	3.37	2.94	2.53	2.18	1.84
180.0	5.62	5.05	4.44	3.89	3.37	2.94	2.53	2.18	1.84
225.0	5.62	5.05	4.44	3.89	3.37	2.94	2.53	2.18	1.84
270.0	5.62	5.05	4.44	3.89	3.37	2.94	2.53	2.18	1.84
315.0	5.62	5.05	4.44	3.89	3.37	2.94	2.53	2.18	1.84
360.0	5.62	5.05	4.44	3.89	3.37	2.94	2.53	2.18	1.84

Intensity data(cd)

C/ γ ($^{\circ}$)	90.0
0.0	1.70
45.0	1.70
90.0	1.70
135.0	1.70
180.0	1.70
225.0	1.70
270.0	1.70
315.0	1.70
360.0	1.70