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Nata

Client:

LumCAT: 2-2752-L

Luminaire: 92.70.411.00

Report No: 2024830-B019

Ballast type:

Test No: 2024830-C019

Voltage(V):

LampCAT: LUMILEDS LUXEON CoB 1205 Current(A):

Lamp flux(lm): 2555.0 Power (W): 21.790

Number of Lamps: 1 PF:

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

Phm Type: C Height(mm): 0

Photometric Results

Lumens(lm): 2371.18, Efficiency(%): 92.81% , Luminous Efficacy(lm/W): 108.82

Central intensity(cd): 9592.117, Maximum intensity(cd): 9592.117

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=23.2

[C90/270]Total=23.2

Field angle(10%Imax): [C0/180]Total=53.2

[C90/270]Total=53.2

Maximum s/h(1/2): C0_180=0.39 C90_270=0.39

Maximum s/h(1/4): C0_180=0.41 C90_270=0.41

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 92.81%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 99.222%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	9592.117	0.000	0	0.00%	0.00%
1.0	9553.680	9.161	9.161	0.36%	0.39%
2.0	9378.529	27.173	36.334	1.06%	1.53%
3.0	9124.810	44.254	80.588	1.73%	3.40%
4.0	8787.873	59.959	140.548	2.35%	5.93%
5.0	8351.195	73.731	214.279	2.89%	9.04%
6.0	7925.446	85.538	299.817	3.35%	12.64%
7.0	7376.917	94.982	394.799	3.72%	16.65%
8.0	6818.428	101.593	496.392	3.98%	20.93%
9.0	6275.549	106.120	602.511	4.15%	25.41%
10.0	5666.363	108.070	710.581	4.23%	29.97%
11.0	5139.279	107.971	818.552	4.23%	34.52%
12.0	4573.831	106.178	924.73	4.16%	39.00%
13.0	4062.424	102.491	1027.221	4.01%	43.32%
14.0	3574.276	97.749	1124.97	3.83%	47.44%
15.0	3121.306	91.920	1216.89	3.60%	51.32%
16.0	2738.119	85.857	1302.747	3.36%	54.94%
17.0	2395.825	79.949	1382.696	3.13%	58.31%
18.0	2129.708	74.616	1457.312	2.92%	61.46%
19.0	1888.032	69.900	1527.213	2.74%	64.41%
20.0	1690.732	65.501	1592.714	2.56%	67.17%
21.0	1540.291	62.042	1654.756	2.43%	69.79%
22.0	1392.998	58.946	1713.702	2.31%	72.27%
23.0	1266.020	55.793	1769.495	2.18%	74.63%
24.0	1188.149	53.657	1823.152	2.10%	76.89%
25.0	1089.844	51.797	1874.949	2.03%	79.07%
26.0	1011.519	49.603	1924.552	1.94%	81.16%
27.0	917.938	47.205	1971.756	1.85%	83.16%
28.0	835.954	44.405	2016.161	1.74%	85.03%
29.0	744.252	41.343	2057.504	1.62%	86.77%
30.0	655.086	37.782	2095.286	1.48%	88.36%
31.0	565.776	33.975	2129.26	1.33%	89.80%
32.0	481.427	30.001	2159.262	1.17%	91.06%
33.0	409.048	26.234	2185.495	1.03%	92.17%
34.0	341.308	22.708	2208.203	0.89%	93.13%
35.0	293.483	19.714	2227.918	0.77%	93.96%
36.0	251.242	17.344	2245.262	0.68%	94.69%
37.0	211.472	15.091	2260.353	0.59%	95.33%

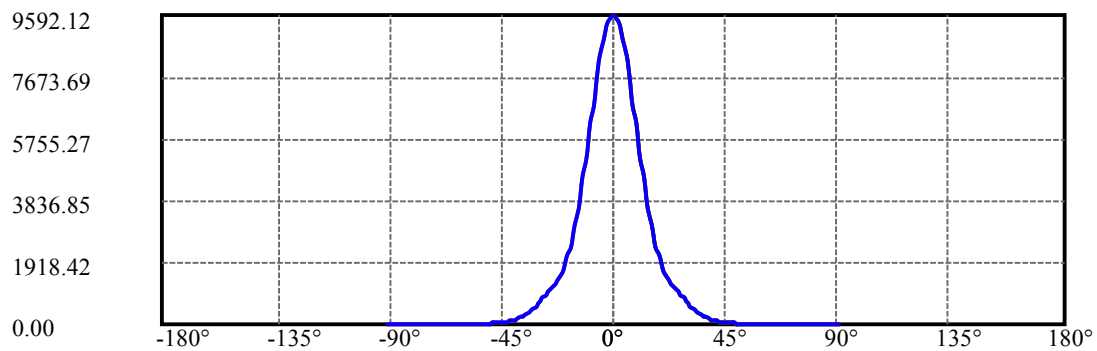
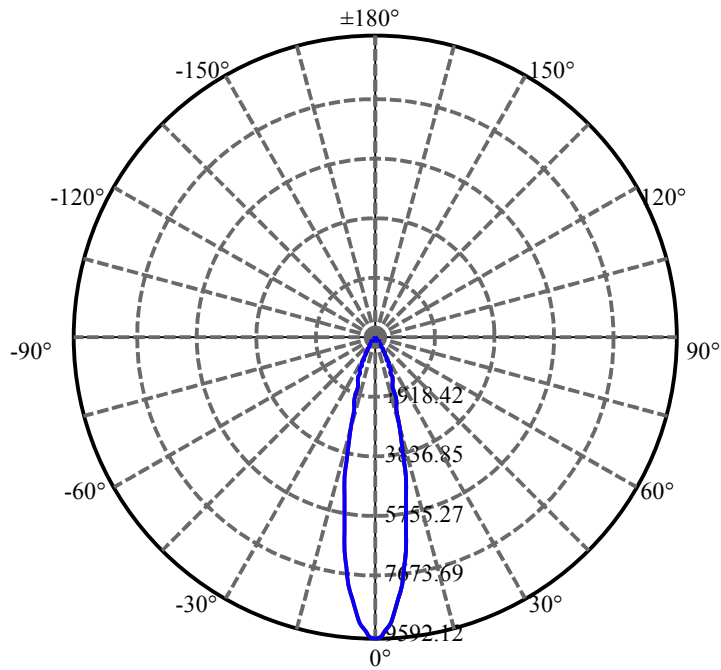
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	180.066	13.069	2273.422	0.51%	95.88%
39.0	141.216	10.966	2284.388	0.43%	96.34%
40.0	116.242	8.979	2293.367	0.35%	96.72%
41.0	94.120	7.491	2300.858	0.29%	97.03%
42.0	78.200	6.261	2307.119	0.25%	97.30%
43.0	64.481	5.285	2312.404	0.21%	97.52%
44.0	52.792	4.426	2316.83	0.17%	97.71%
45.0	45.532	3.779	2320.609	0.15%	97.87%
46.0	38.923	3.303	2323.912	0.13%	98.01%
47.0	34.402	2.916	2326.828	0.11%	98.13%
48.0	31.117	2.649	2329.477	0.10%	98.24%
49.0	28.463	2.447	2331.924	0.10%	98.34%
50.0	26.649	2.298	2334.221	0.09%	98.44%
51.0	25.007	2.185	2336.407	0.09%	98.53%
52.0	23.673	2.089	2338.496	0.08%	98.62%
53.0	22.477	2.008	2340.503	0.08%	98.71%
54.0	21.452	1.936	2342.44	0.08%	98.79%
55.0	20.447	1.870	2344.31	0.07%	98.87%
56.0	19.599	1.810	2346.119	0.07%	98.94%
57.0	18.732	1.753	2347.872	0.07%	99.02%
58.0	17.760	1.688	2349.56	0.07%	99.09%
59.0	16.853	1.618	2351.178	0.06%	99.16%
60.0	15.959	1.550	2352.728	0.06%	99.22%
61.0	14.928	1.474	2354.202	0.06%	99.28%
62.0	13.955	1.392	2355.594	0.05%	99.34%
63.0	12.990	1.310	2356.904	0.05%	99.40%
64.0	12.129	1.233	2358.137	0.05%	99.45%
65.0	11.248	1.157	2359.294	0.05%	99.50%
66.0	10.453	1.083	2360.376	0.04%	99.54%
67.0	9.632	1.010	2361.386	0.04%	99.59%
68.0	8.922	0.940	2362.326	0.04%	99.63%
69.0	8.226	0.875	2363.201	0.03%	99.66%
70.0	7.484	0.807	2364.008	0.03%	99.70%
71.0	6.905	0.744	2364.751	0.03%	99.73%
72.0	6.275	0.685	2365.437	0.03%	99.76%
73.0	5.756	0.629	2366.066	0.02%	99.78%
74.0	5.289	0.581	2366.647	0.02%	99.81%
75.0	4.888	0.538	2367.184	0.02%	99.83%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	4.474	0.497	2367.681	0.02%	99.85%
77.0	4.133	0.459	2368.14	0.02%	99.87%
78.0	3.758	0.422	2368.563	0.02%	99.89%
79.0	3.397	0.384	2368.947	0.02%	99.91%
80.0	3.088	0.350	2369.297	0.01%	99.92%
81.0	2.760	0.316	2369.613	0.01%	99.93%
82.0	2.451	0.283	2369.895	0.01%	99.95%
83.0	2.155	0.250	2370.146	0.01%	99.96%
84.0	1.886	0.220	2370.366	0.01%	99.97%
85.0	1.636	0.192	2370.558	0.01%	99.97%
86.0	1.413	0.167	2370.725	0.01%	99.98%
87.0	1.222	0.144	2370.869	0.01%	99.99%
88.0	1.012	0.122	2370.991	0.00%	99.99%
89.0	0.828	0.101	2371.092	0.00%	100.00%
90.0	0.696	0.084	2371.176	0.00%	100.00%

ZONAL LUMEN SUMMARY			
Zone	Lumens	%Lamp	%Fixt
0-30	2095.29	82.01%	88.36%
0-40	2293.37	89.76%	96.72%
0-60	2352.73	92.08%	99.22%
0-90	2371.09	92.80%	100.00%
0-120	2371.09	92.80%	100.00%
0-180	2371.18	92.81%	100.00%
60-90	18.36	0.72%	0.77%
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%
0-25.44	1896.94	74.24%	80.00%

ZONAL LUMEN SUMMARY

0-10	710.58
10-20	882.13
20-30	502.57
30-40	198.08
40-50	40.85
50-60	18.51
60-70	11.28
70-80	5.29
80-90	1.80
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:

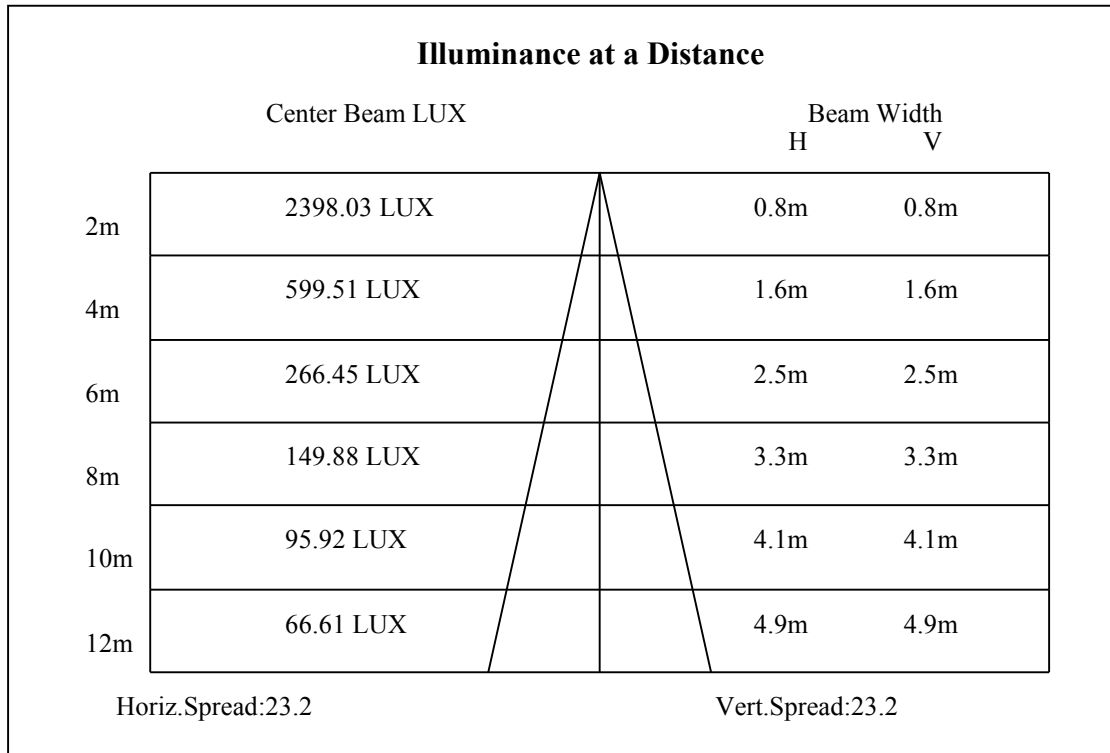
C90/C270:

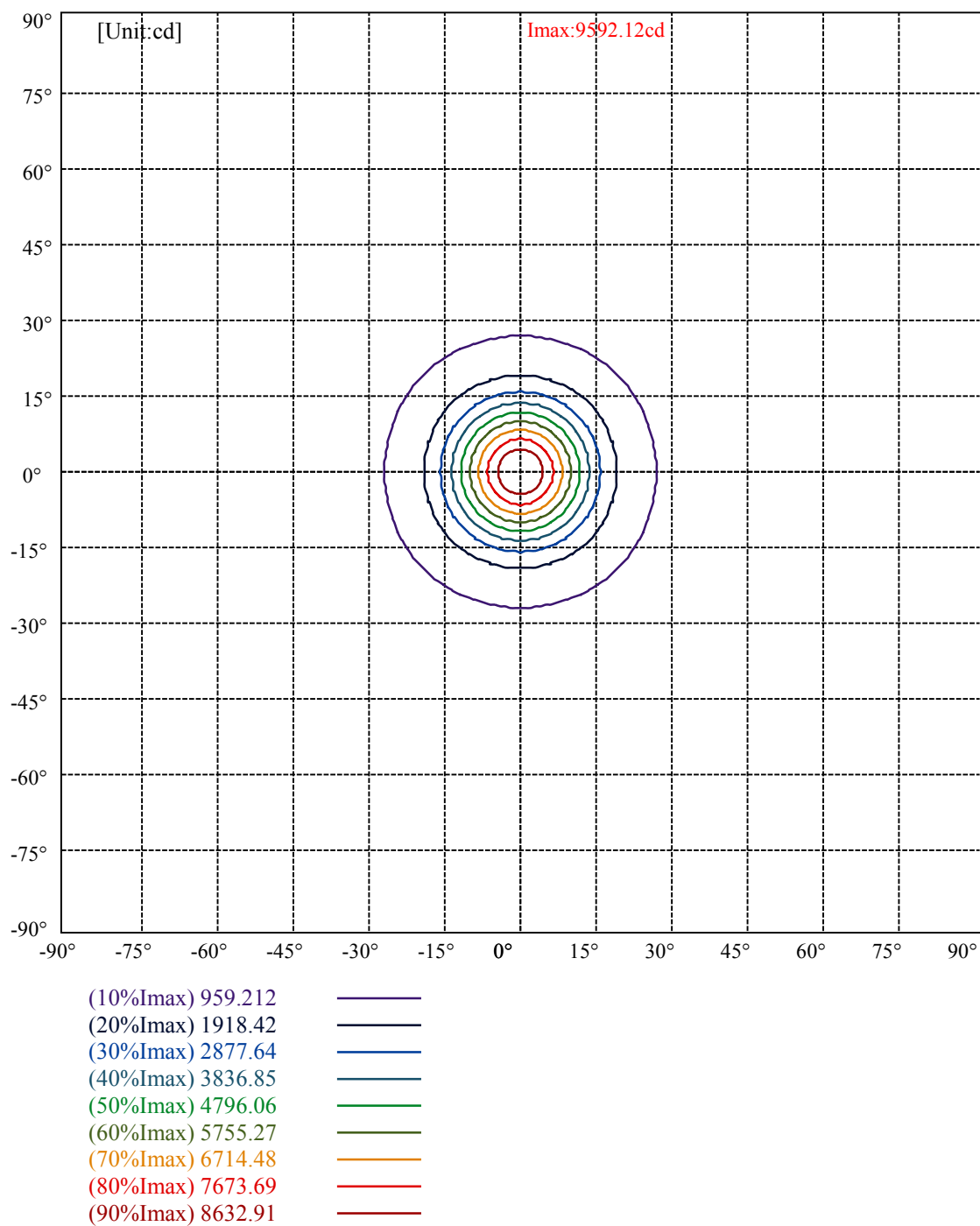
Field angle(10%Imax):C0/180Left:26.6 Right:26.6

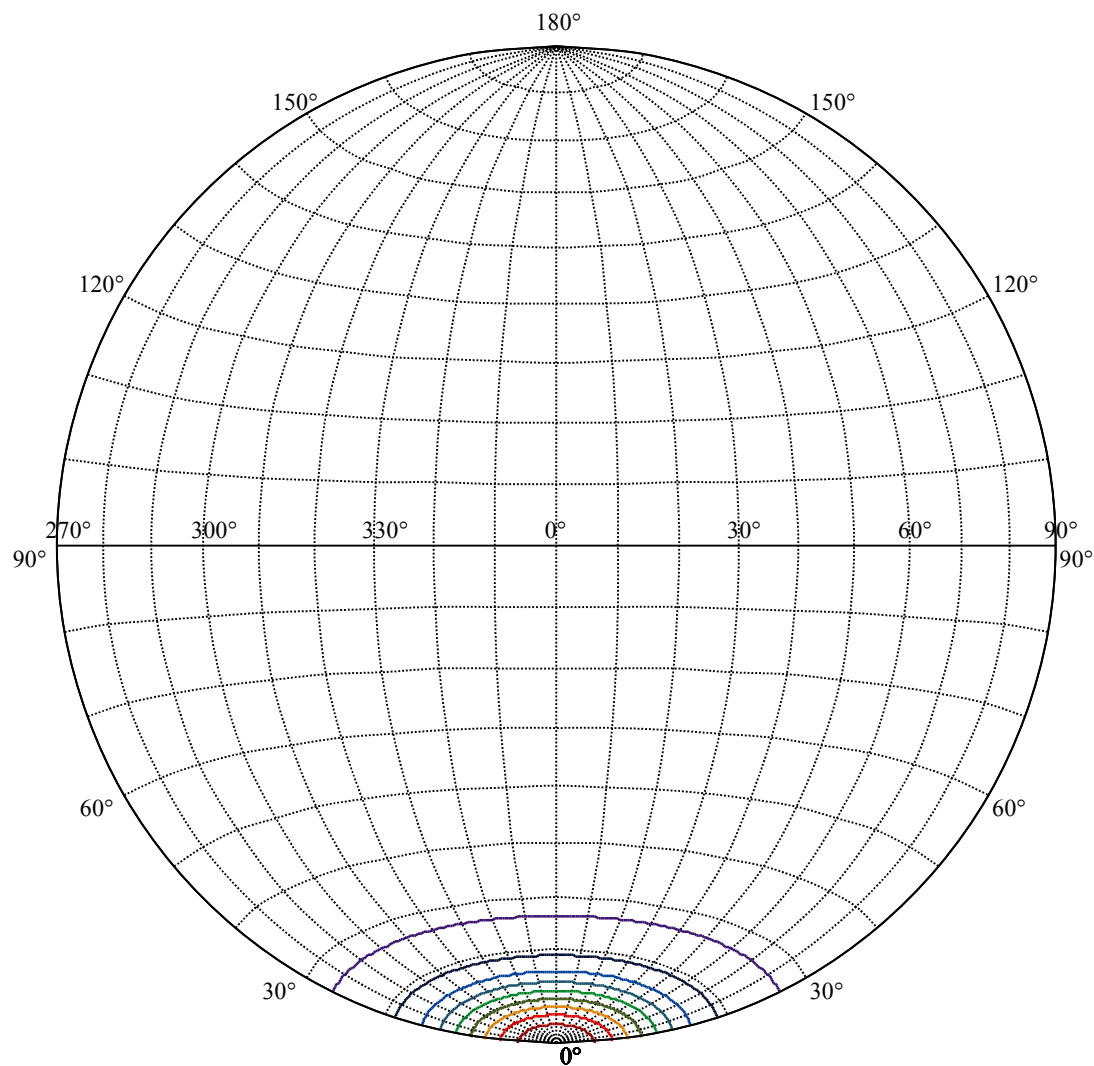
:C90/270Left:26.6 Right:26.6

Beam Angle(50%Imax):C0/180Left:11.6 Right:11.6

:C90/270Left:11.6 Right:11.6





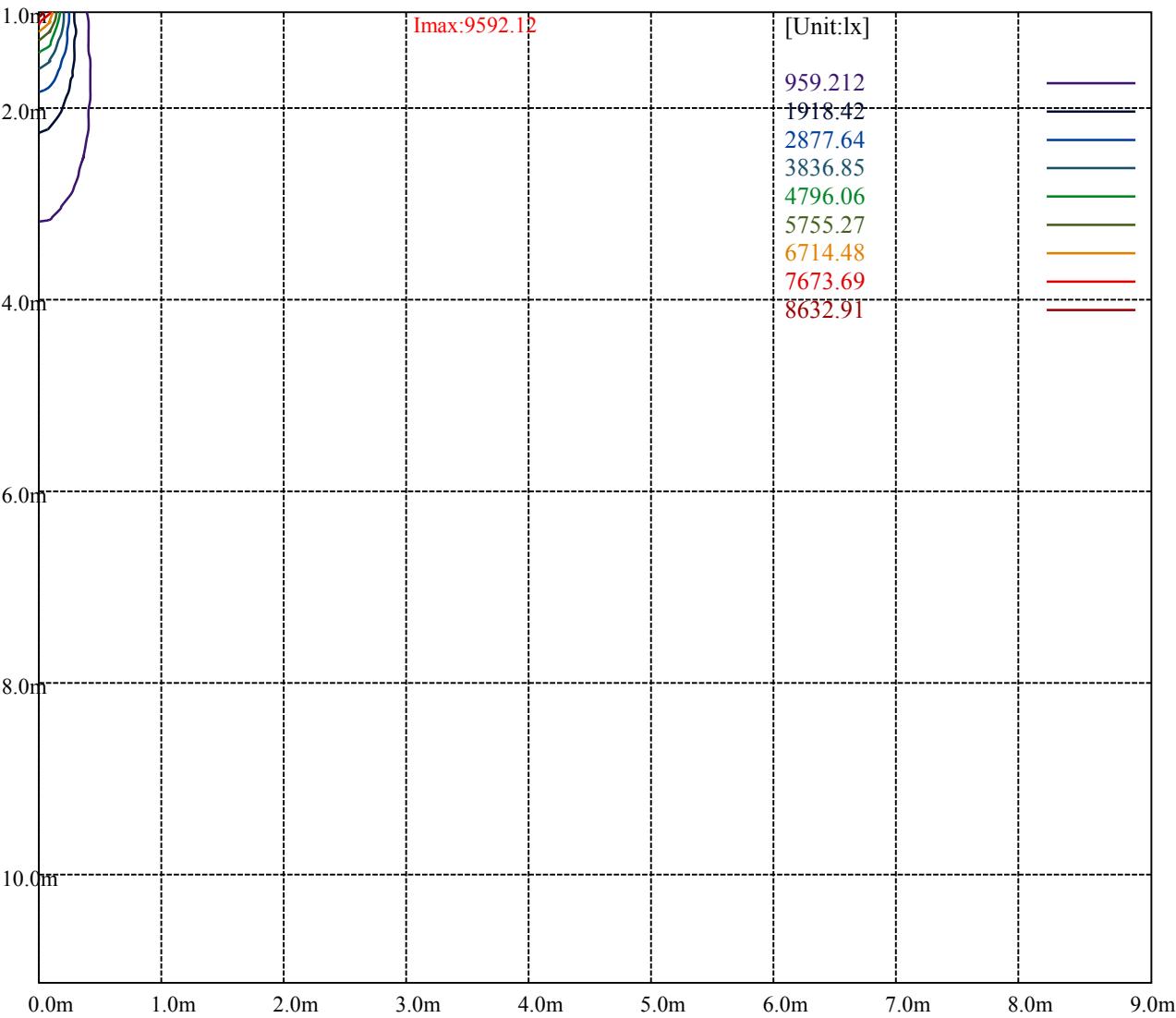


House

[Unit:cd]

Road

Imax:9592.12	
(10%Imax) 959.212	_____
(20%Imax) 1918.42	_____
(30%Imax) 2877.64	_____
(40%Imax) 3836.85	_____
(50%Imax) 4796.06	_____
(60%Imax) 5755.27	_____
(70%Imax) 6714.48	_____
(80%Imax) 7673.69	_____
(90%Imax) 8632.91	_____



Luminance Limiting Curve(no luminous side)

Luminance Table

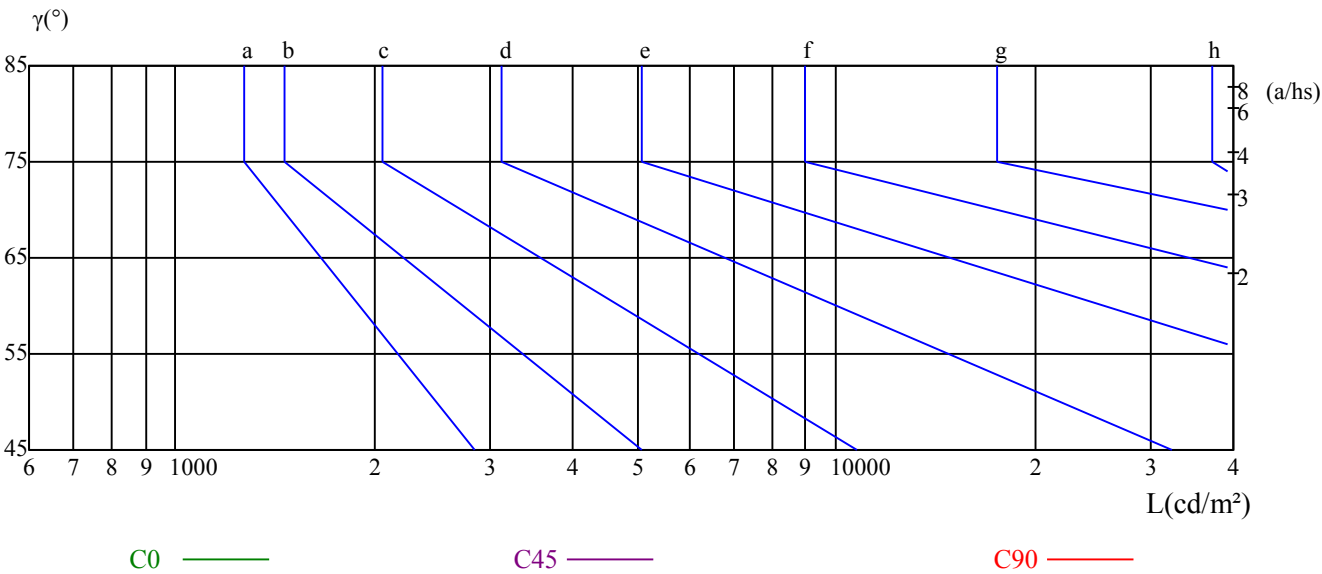
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

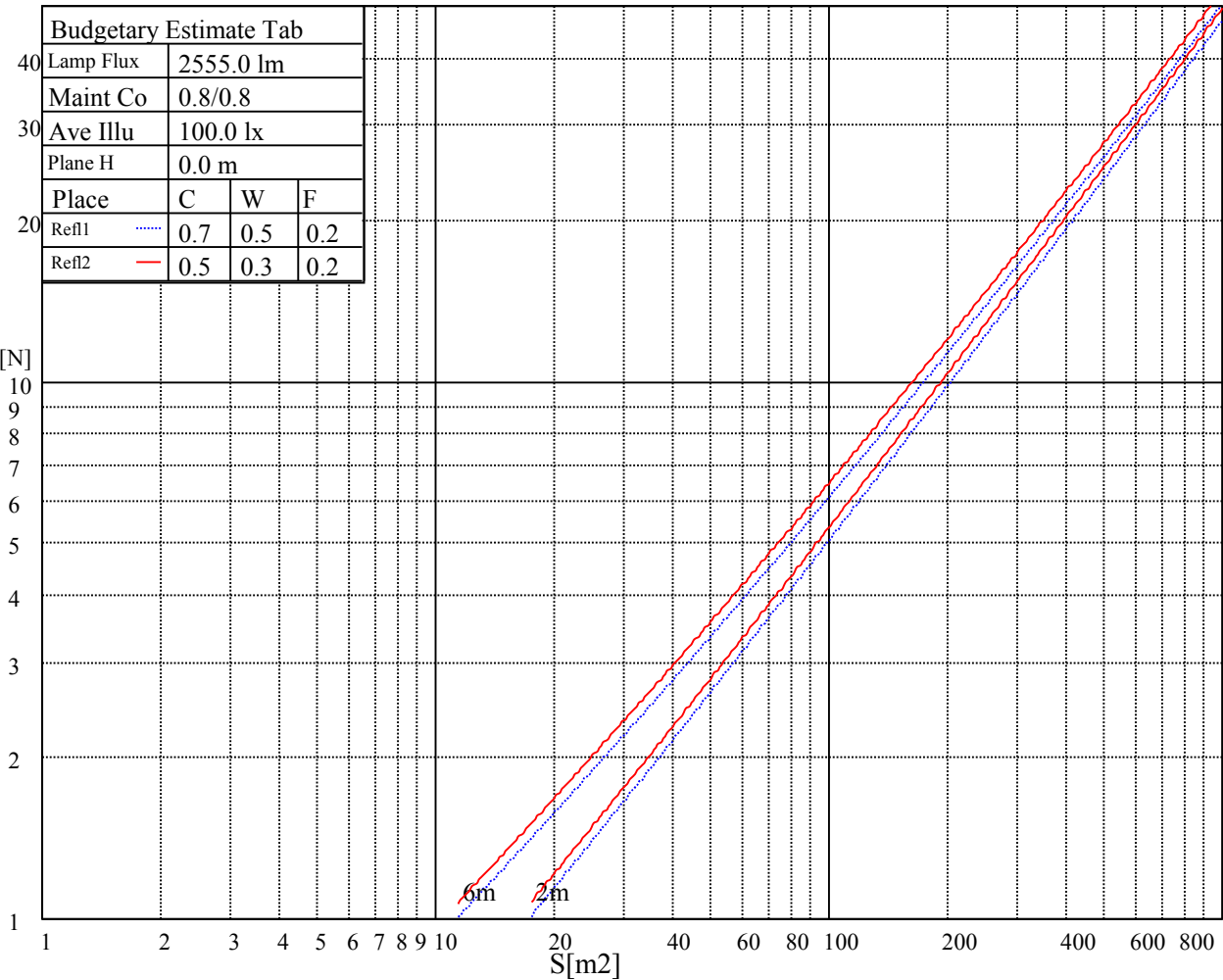
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	≤ 300				
1.5	B		2000	1000	500	≤ 300			
1.85	C			2000	1000	500	≤ 300		
2.2	D				2000	1000	500	≤ 300	
2.55	E					2000	1000	500	≤ 300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

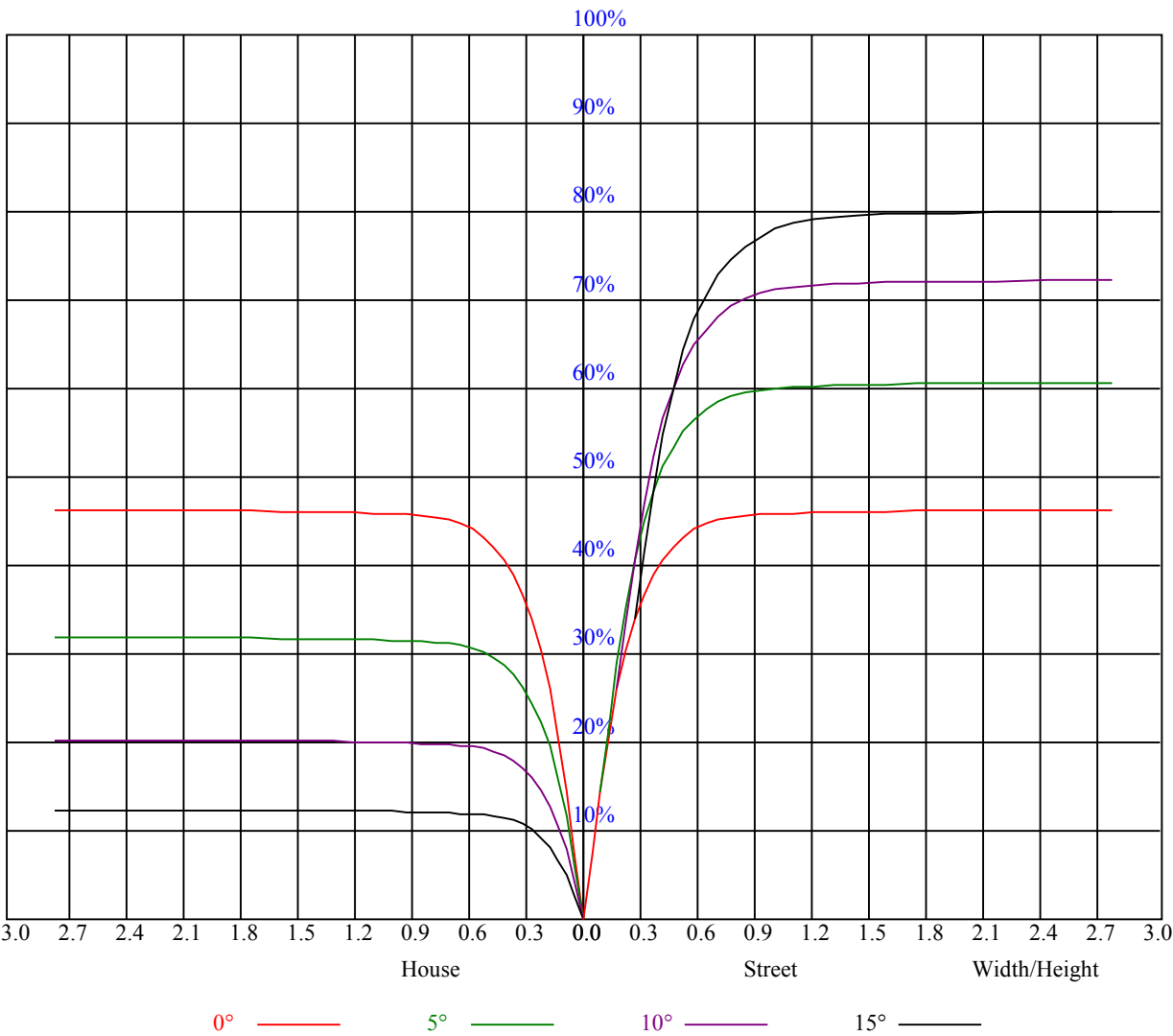


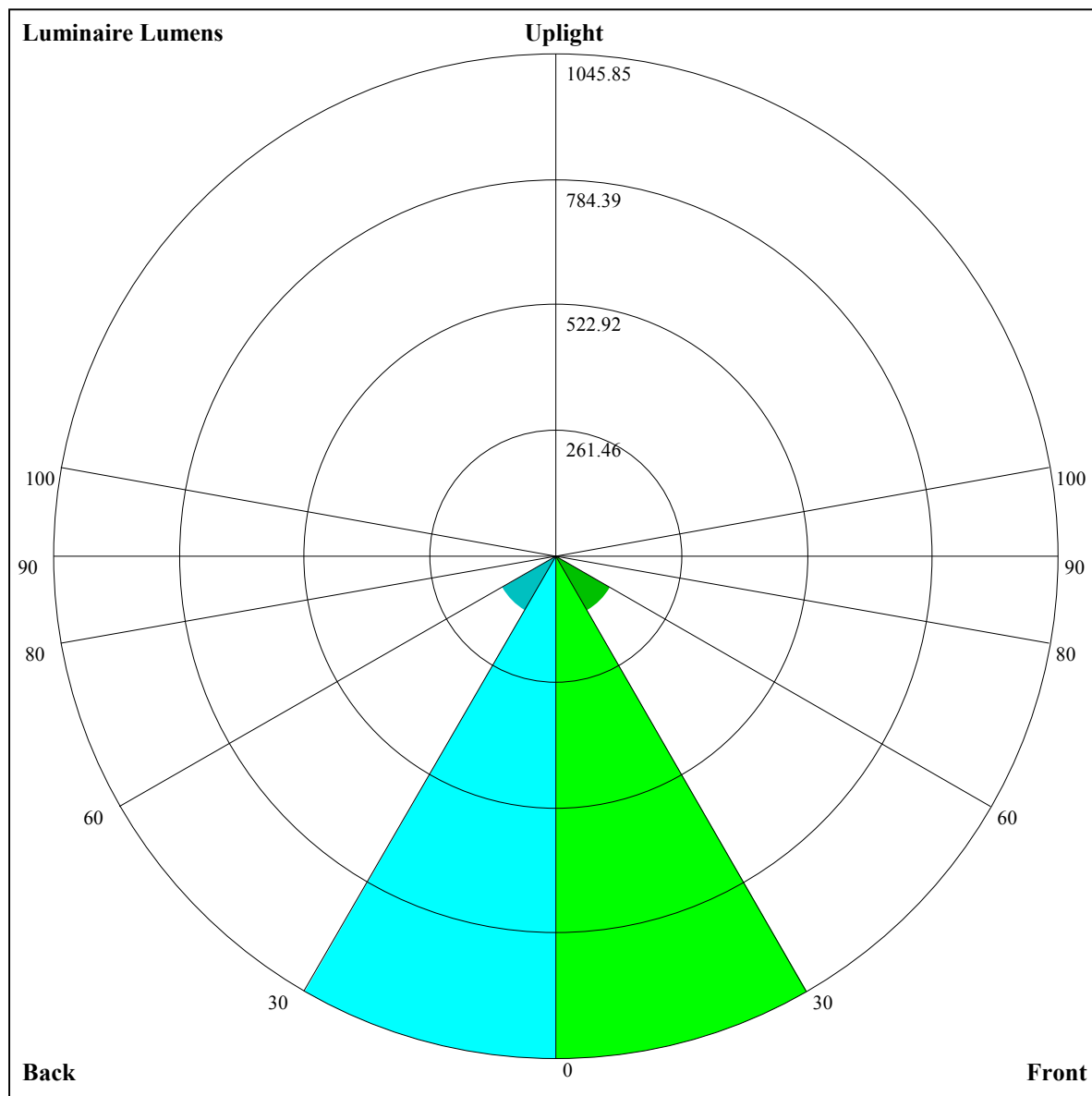
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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	1.10	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	0.96	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	0.86	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	0.71	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	0.75	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	0.68	0.66	0.71	0.68	0.66	0.71	0.68	0.65	0.65
10	0.71	0.67	0.64	0.70	0.67	0.64	0.70	0.66	0.64	0.69	0.66	0.64	0.69	0.66	0.63	0.62





Luminaire Lumens:

FL=1045.85,FM=130.29,FH=8.3,FVH=0.95

BL=1045.85,BM=130.29,BH=8.3,BVH=0.95

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	9592.12	9553.68	9378.53	9124.81	8787.87	8351.20	7925.45	7376.92	6818.43
45.0	9592.12	9553.68	9378.53	9124.81	8787.87	8351.20	7925.45	7376.92	6818.43
90.0	9592.12	9553.68	9378.53	9124.81	8787.87	8351.20	7925.45	7376.92	6818.43
135.0	9592.12	9553.68	9378.53	9124.81	8787.87	8351.20	7925.45	7376.92	6818.43
180.0	9592.12	9553.68	9378.53	9124.81	8787.87	8351.20	7925.45	7376.92	6818.43
225.0	9592.12	9553.68	9378.53	9124.81	8787.87	8351.20	7925.45	7376.92	6818.43
270.0	9592.12	9553.68	9378.53	9124.81	8787.87	8351.20	7925.45	7376.92	6818.43
315.0	9592.12	9553.68	9378.53	9124.81	8787.87	8351.20	7925.45	7376.92	6818.43
360.0	9592.12	9553.68	9378.53	9124.81	8787.87	8351.20	7925.45	7376.92	6818.43

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	6275.55	5666.36	5139.28	4573.83	4062.42	3574.28	3121.31	2738.12	2395.83
45.0	6275.55	5666.36	5139.28	4573.83	4062.42	3574.28	3121.31	2738.12	2395.83
90.0	6275.55	5666.36	5139.28	4573.83	4062.42	3574.28	3121.31	2738.12	2395.83
135.0	6275.55	5666.36	5139.28	4573.83	4062.42	3574.28	3121.31	2738.12	2395.83
180.0	6275.55	5666.36	5139.28	4573.83	4062.42	3574.28	3121.31	2738.12	2395.83
225.0	6275.55	5666.36	5139.28	4573.83	4062.42	3574.28	3121.31	2738.12	2395.83
270.0	6275.55	5666.36	5139.28	4573.83	4062.42	3574.28	3121.31	2738.12	2395.83
315.0	6275.55	5666.36	5139.28	4573.83	4062.42	3574.28	3121.31	2738.12	2395.83
360.0	6275.55	5666.36	5139.28	4573.83	4062.42	3574.28	3121.31	2738.12	2395.83

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2129.71	1888.03	1690.73	1540.29	1393.00	1266.02	1188.15	1089.84	1011.52
45.0	2129.71	1888.03	1690.73	1540.29	1393.00	1266.02	1188.15	1089.84	1011.52
90.0	2129.71	1888.03	1690.73	1540.29	1393.00	1266.02	1188.15	1089.84	1011.52
135.0	2129.71	1888.03	1690.73	1540.29	1393.00	1266.02	1188.15	1089.84	1011.52
180.0	2129.71	1888.03	1690.73	1540.29	1393.00	1266.02	1188.15	1089.84	1011.52
225.0	2129.71	1888.03	1690.73	1540.29	1393.00	1266.02	1188.15	1089.84	1011.52
270.0	2129.71	1888.03	1690.73	1540.29	1393.00	1266.02	1188.15	1089.84	1011.52
315.0	2129.71	1888.03	1690.73	1540.29	1393.00	1266.02	1188.15	1089.84	1011.52
360.0	2129.71	1888.03	1690.73	1540.29	1393.00	1266.02	1188.15	1089.84	1011.52

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	917.94	835.95	744.25	655.09	565.78	481.43	409.05	341.31	293.48
45.0	917.94	835.95	744.25	655.09	565.78	481.43	409.05	341.31	293.48
90.0	917.94	835.95	744.25	655.09	565.78	481.43	409.05	341.31	293.48
135.0	917.94	835.95	744.25	655.09	565.78	481.43	409.05	341.31	293.48
180.0	917.94	835.95	744.25	655.09	565.78	481.43	409.05	341.31	293.48
225.0	917.94	835.95	744.25	655.09	565.78	481.43	409.05	341.31	293.48
270.0	917.94	835.95	744.25	655.09	565.78	481.43	409.05	341.31	293.48
315.0	917.94	835.95	744.25	655.09	565.78	481.43	409.05	341.31	293.48
360.0	917.94	835.95	744.25	655.09	565.78	481.43	409.05	341.31	293.48

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	251.24	211.47	180.07	141.22	116.24	94.12	78.20	64.48	52.79
45.0	251.24	211.47	180.07	141.22	116.24	94.12	78.20	64.48	52.79
90.0	251.24	211.47	180.07	141.22	116.24	94.12	78.20	64.48	52.79
135.0	251.24	211.47	180.07	141.22	116.24	94.12	78.20	64.48	52.79
180.0	251.24	211.47	180.07	141.22	116.24	94.12	78.20	64.48	52.79
225.0	251.24	211.47	180.07	141.22	116.24	94.12	78.20	64.48	52.79
270.0	251.24	211.47	180.07	141.22	116.24	94.12	78.20	64.48	52.79
315.0	251.24	211.47	180.07	141.22	116.24	94.12	78.20	64.48	52.79
360.0	251.24	211.47	180.07	141.22	116.24	94.12	78.20	64.48	52.79

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	45.53	38.92	34.40	31.12	28.46	26.65	25.01	23.67	22.48
45.0	45.53	38.92	34.40	31.12	28.46	26.65	25.01	23.67	22.48
90.0	45.53	38.92	34.40	31.12	28.46	26.65	25.01	23.67	22.48
135.0	45.53	38.92	34.40	31.12	28.46	26.65	25.01	23.67	22.48
180.0	45.53	38.92	34.40	31.12	28.46	26.65	25.01	23.67	22.48
225.0	45.53	38.92	34.40	31.12	28.46	26.65	25.01	23.67	22.48
270.0	45.53	38.92	34.40	31.12	28.46	26.65	25.01	23.67	22.48
315.0	45.53	38.92	34.40	31.12	28.46	26.65	25.01	23.67	22.48
360.0	45.53	38.92	34.40	31.12	28.46	26.65	25.01	23.67	22.48
C/ γ (°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	21.45	20.45	19.60	18.73	17.76	16.85	15.96	14.93	13.96
45.0	21.45	20.45	19.60	18.73	17.76	16.85	15.96	14.93	13.96
90.0	21.45	20.45	19.60	18.73	17.76	16.85	15.96	14.93	13.96
135.0	21.45	20.45	19.60	18.73	17.76	16.85	15.96	14.93	13.96
180.0	21.45	20.45	19.60	18.73	17.76	16.85	15.96	14.93	13.96
225.0	21.45	20.45	19.60	18.73	17.76	16.85	15.96	14.93	13.96
270.0	21.45	20.45	19.60	18.73	17.76	16.85	15.96	14.93	13.96
315.0	21.45	20.45	19.60	18.73	17.76	16.85	15.96	14.93	13.96
360.0	21.45	20.45	19.60	18.73	17.76	16.85	15.96	14.93	13.96
C/ γ (°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	12.99	12.13	11.25	10.45	9.63	8.92	8.23	7.48	6.91
45.0	12.99	12.13	11.25	10.45	9.63	8.92	8.23	7.48	6.91
90.0	12.99	12.13	11.25	10.45	9.63	8.92	8.23	7.48	6.91
135.0	12.99	12.13	11.25	10.45	9.63	8.92	8.23	7.48	6.91
180.0	12.99	12.13	11.25	10.45	9.63	8.92	8.23	7.48	6.91
225.0	12.99	12.13	11.25	10.45	9.63	8.92	8.23	7.48	6.91
270.0	12.99	12.13	11.25	10.45	9.63	8.92	8.23	7.48	6.91
315.0	12.99	12.13	11.25	10.45	9.63	8.92	8.23	7.48	6.91
360.0	12.99	12.13	11.25	10.45	9.63	8.92	8.23	7.48	6.91
C/ γ (°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	6.28	5.76	5.29	4.89	4.47	4.13	3.76	3.40	3.09
45.0	6.28	5.76	5.29	4.89	4.47	4.13	3.76	3.40	3.09
90.0	6.28	5.76	5.29	4.89	4.47	4.13	3.76	3.40	3.09
135.0	6.28	5.76	5.29	4.89	4.47	4.13	3.76	3.40	3.09
180.0	6.28	5.76	5.29	4.89	4.47	4.13	3.76	3.40	3.09
225.0	6.28	5.76	5.29	4.89	4.47	4.13	3.76	3.40	3.09
270.0	6.28	5.76	5.29	4.89	4.47	4.13	3.76	3.40	3.09
315.0	6.28	5.76	5.29	4.89	4.47	4.13	3.76	3.40	3.09
360.0	6.28	5.76	5.29	4.89	4.47	4.13	3.76	3.40	3.09
C/ γ (°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	2.76	2.45	2.16	1.89	1.64	1.41	1.22	1.01	0.83
45.0	2.76	2.45	2.16	1.89	1.64	1.41	1.22	1.01	0.83
90.0	2.76	2.45	2.16	1.89	1.64	1.41	1.22	1.01	0.83
135.0	2.76	2.45	2.16	1.89	1.64	1.41	1.22	1.01	0.83
180.0	2.76	2.45	2.16	1.89	1.64	1.41	1.22	1.01	0.83
225.0	2.76	2.45	2.16	1.89	1.64	1.41	1.22	1.01	0.83
270.0	2.76	2.45	2.16	1.89	1.64	1.41	1.22	1.01	0.83
315.0	2.76	2.45	2.16	1.89	1.64	1.41	1.22	1.01	0.83
360.0	2.76	2.45	2.16	1.89	1.64	1.41	1.22	1.01	0.83

Intensity data(cd)

Appendix Page: 20 Total:20

C/ $\gamma(^{\circ})$	90.0
0.0	0.70
45.0	0.70
90.0	0.70
135.0	0.70
180.0	0.70
225.0	0.70
270.0	0.70
315.0	0.70
360.0	0.70