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Nata

Client:

LumCAT: 2-2760-L

Luminaire: 92.70.411.00

Report No: 2024913-B007

Ballast type: AC

Test No: 2024913-C008

Voltage(V): 36.740

LampCAT: NICHIA NFCWJ130B-V3

Current(A): 0.580

Lamp flux(lm): 2833.0

Power (W): 21.300

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 2612.08, Efficiency(%): 92.20% , Luminous Efficacy(lm/W): 122.63

Central intensity(cd): 3856.550, Maximum intensity(cd): 3863.384

Angle of maximum intensity: C=0.0 γ =2.0

Beam Angle(50%Imax): [C0/180]Total=50.6

[C90/270]Total=50.6

Field angle(10%Imax): [C0/180]Total=73.0

[C90/270]Total=73.0

Maximum s/h(1/2): C0_180=0.80 C90_270=0.80

Maximum s/h(1/4): C0_180=0.78 C90_270=0.78

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 92.20%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 99.331%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	3856.550	0.000	0	0.00%	0.00%
1.0	3858.718	3.692	3.692	0.13%	0.14%
2.0	3863.383	11.083	14.775	0.39%	0.57%
3.0	3860.808	18.474	33.249	0.65%	1.27%
4.0	3855.164	25.828	59.077	0.91%	2.26%
5.0	3845.689	33.129	92.205	1.17%	3.53%
6.0	3830.098	40.338	132.544	1.42%	5.07%
7.0	3798.127	47.348	179.892	1.67%	6.89%
8.0	3766.228	54.137	234.029	1.91%	8.96%
9.0	3723.679	60.702	294.73	2.14%	11.28%
10.0	3673.245	66.939	361.67	2.36%	13.85%
11.0	3618.225	72.857	434.526	2.57%	16.64%
12.0	3554.651	78.410	512.936	2.77%	19.64%
13.0	3482.213	83.510	596.446	2.95%	22.83%
14.0	3394.460	88.021	684.467	3.11%	26.20%
15.0	3297.029	91.864	776.331	3.24%	29.72%
16.0	3191.924	95.081	871.412	3.36%	33.36%
17.0	3075.484	97.600	969.012	3.45%	37.10%
18.0	2940.714	99.194	1068.206	3.50%	40.89%
19.0	2807.908	100.014	1168.221	3.53%	44.72%
20.0	2657.113	100.025	1268.246	3.53%	48.55%
21.0	2506.141	99.145	1367.391	3.50%	52.35%
22.0	2390.733	98.405	1465.795	3.47%	56.12%
23.0	2224.629	96.843	1562.638	3.42%	59.82%
24.0	2099.267	94.536	1657.174	3.34%	63.44%
25.0	1971.751	92.566	1749.74	3.27%	66.99%
26.0	1838.452	89.940	1839.68	3.17%	70.43%
27.0	1715.863	86.957	1926.637	3.07%	73.76%
28.0	1568.084	83.143	2009.78	2.93%	76.94%
29.0	1427.860	78.382	2088.162	2.77%	79.94%
30.0	1253.760	72.403	2160.566	2.56%	82.71%
31.0	1121.033	66.087	2226.653	2.33%	85.24%
32.0	989.377	60.461	2287.113	2.13%	87.56%
33.0	847.465	54.114	2341.227	1.91%	89.63%
34.0	702.734	46.914	2388.141	1.66%	91.43%
35.0	566.551	39.419	2427.56	1.39%	92.94%
36.0	448.352	32.315	2459.875	1.14%	94.17%
37.0	333.305	25.493	2485.368	0.90%	95.15%

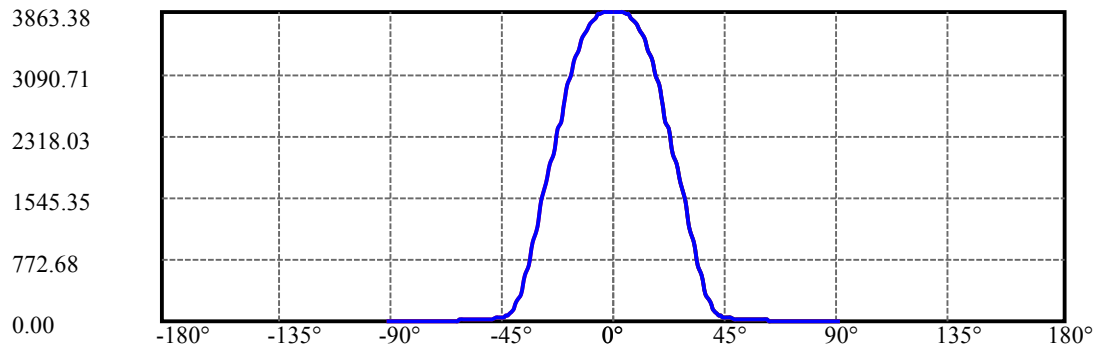
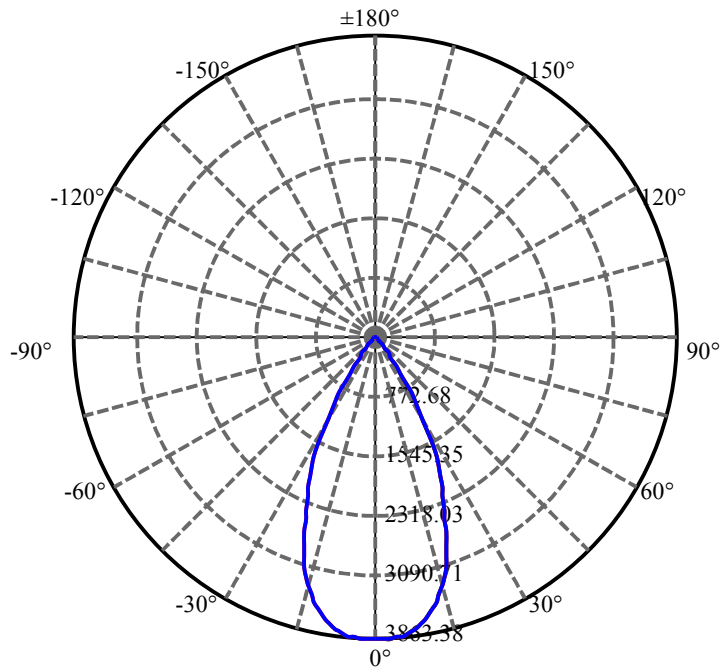
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	262.642	19.892	2505.26	0.70%	95.91%
39.0	204.757	15.954	2521.214	0.56%	96.52%
40.0	138.739	11.980	2533.194	0.42%	96.98%
41.0	107.175	8.757	2541.951	0.31%	97.32%
42.0	81.860	6.868	2548.819	0.24%	97.58%
43.0	67.983	5.551	2554.369	0.20%	97.79%
44.0	58.174	4.761	2559.131	0.17%	97.97%
45.0	50.171	4.164	2563.295	0.15%	98.13%
46.0	43.732	3.672	2566.967	0.13%	98.27%
47.0	38.331	3.264	2570.231	0.12%	98.40%
48.0	33.844	2.918	2573.148	0.10%	98.51%
49.0	30.138	2.627	2575.776	0.09%	98.61%
50.0	27.103	2.387	2578.162	0.08%	98.70%
51.0	24.566	2.186	2580.348	0.08%	98.79%
52.0	22.470	2.018	2582.367	0.07%	98.86%
53.0	20.710	1.878	2584.245	0.07%	98.93%
54.0	19.093	1.754	2586	0.06%	99.00%
55.0	17.779	1.646	2587.645	0.06%	99.06%
56.0	16.544	1.551	2589.196	0.05%	99.12%
57.0	15.447	1.463	2590.659	0.05%	99.18%
58.0	14.553	1.387	2592.046	0.05%	99.23%
59.0	13.607	1.317	2593.363	0.05%	99.28%
60.0	12.917	1.253	2594.616	0.04%	99.33%
61.0	12.162	1.197	2595.813	0.04%	99.38%
62.0	11.393	1.135	2596.948	0.04%	99.42%
63.0	10.821	1.080	2598.028	0.04%	99.46%
64.0	10.230	1.033	2599.061	0.04%	99.50%
65.0	9.678	0.985	2600.046	0.03%	99.54%
66.0	9.166	0.940	2600.987	0.03%	99.58%
67.0	8.666	0.897	2601.883	0.03%	99.61%
68.0	8.206	0.855	2602.738	0.03%	99.64%
69.0	7.733	0.813	2603.551	0.03%	99.67%
70.0	7.332	0.774	2604.325	0.03%	99.70%
71.0	6.912	0.736	2605.061	0.03%	99.73%
72.0	6.505	0.698	2605.759	0.02%	99.76%
73.0	6.091	0.659	2606.417	0.02%	99.78%
74.0	5.736	0.622	2607.039	0.02%	99.81%
75.0	5.368	0.587	2607.626	0.02%	99.83%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	4.954	0.548	2608.174	0.02%	99.85%
77.0	4.593	0.509	2608.683	0.02%	99.87%
78.0	4.198	0.471	2609.153	0.02%	99.89%
79.0	3.837	0.432	2609.585	0.02%	99.90%
80.0	3.443	0.392	2609.978	0.01%	99.92%
81.0	3.068	0.352	2610.33	0.01%	99.93%
82.0	2.746	0.315	2610.645	0.01%	99.94%
83.0	2.398	0.280	2610.925	0.01%	99.96%
84.0	2.103	0.245	2611.17	0.01%	99.96%
85.0	1.866	0.217	2611.386	0.01%	99.97%
86.0	1.623	0.191	2611.577	0.01%	99.98%
87.0	1.399	0.165	2611.743	0.01%	99.99%
88.0	1.137	0.139	2611.881	0.00%	99.99%
89.0	0.900	0.112	2611.993	0.00%	100.00%
90.0	0.769	0.092	2612.085	0.00%	100.00%

ZONAL LUMEN SUMMARY			
Zone	Lumens	%Lamp	%Fixt
0-30	2160.57	76.26%	82.71%
0-40	2533.19	89.42%	96.98%
0-60	2594.62	91.59%	99.33%
0-90	2611.99	92.20%	100.00%
0-120	2611.99	92.20%	100.00%
0-180	2612.08	92.20%	100.00%
60-90	17.38	0.61%	0.67%
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%
0-29.02	2089.67	73.76%	80.00%

ZONAL LUMEN SUMMARY

0-10	361.67
10-20	906.58
20-30	892.32
30-40	372.63
40-50	44.97
50-60	16.45
60-70	9.71
70-80	5.65
80-90	2.02
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: —————

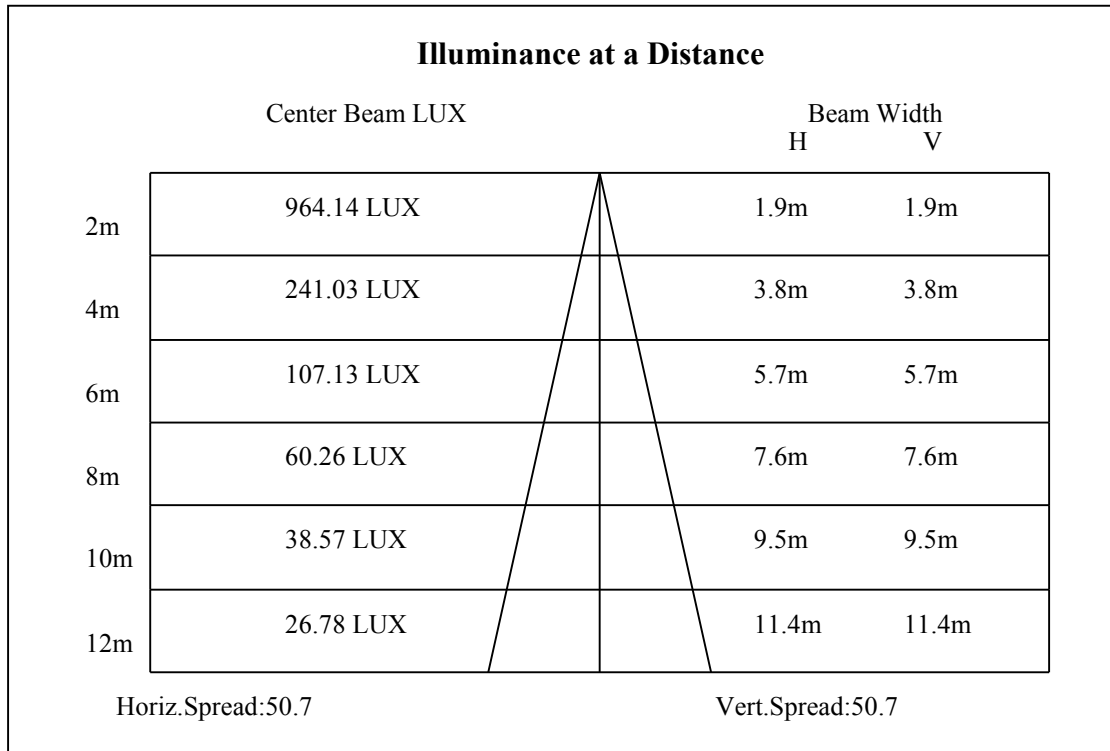
C90/C270: —————

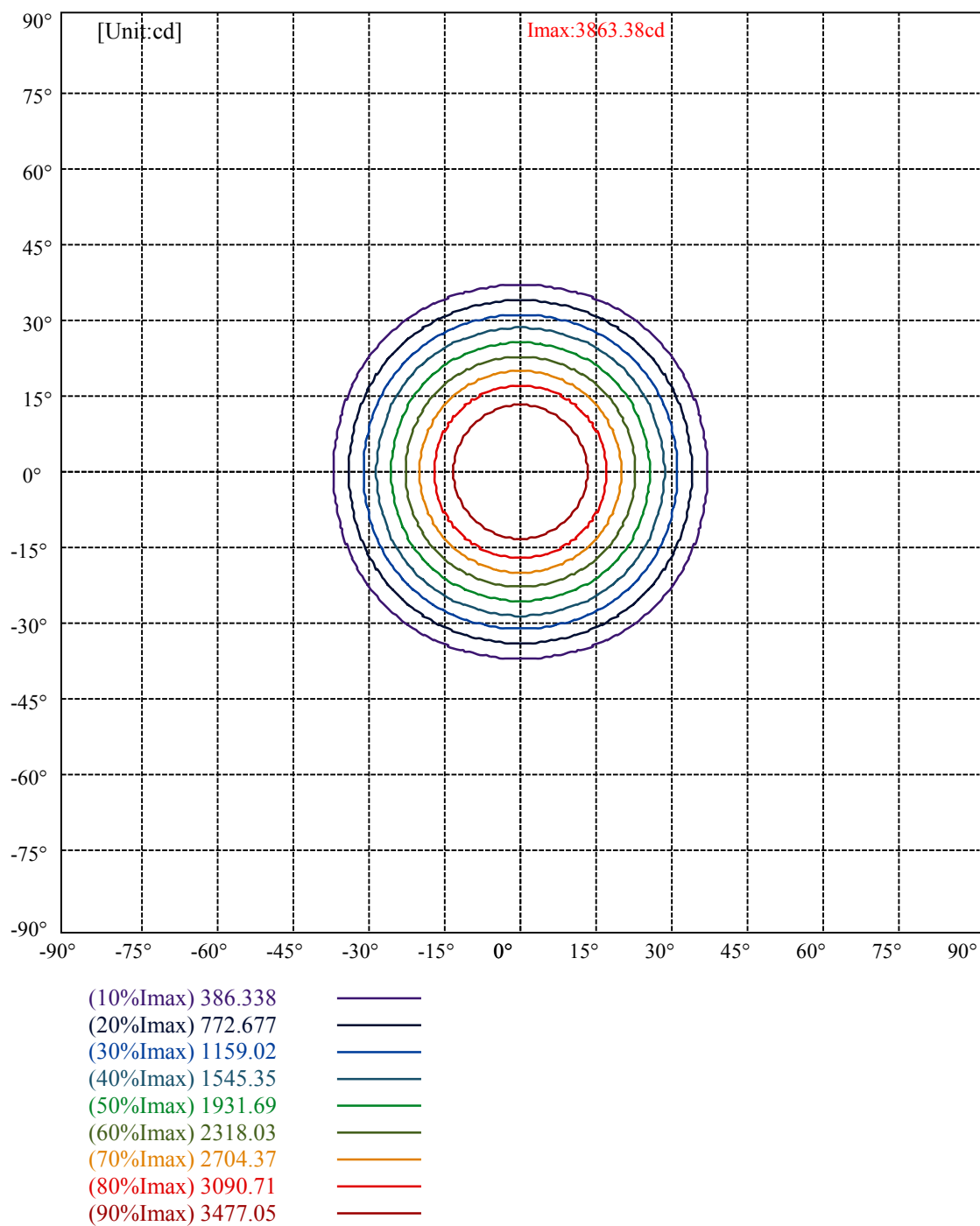
Field angle(10%Imax):C0/180Left:38.5 Right:34.5

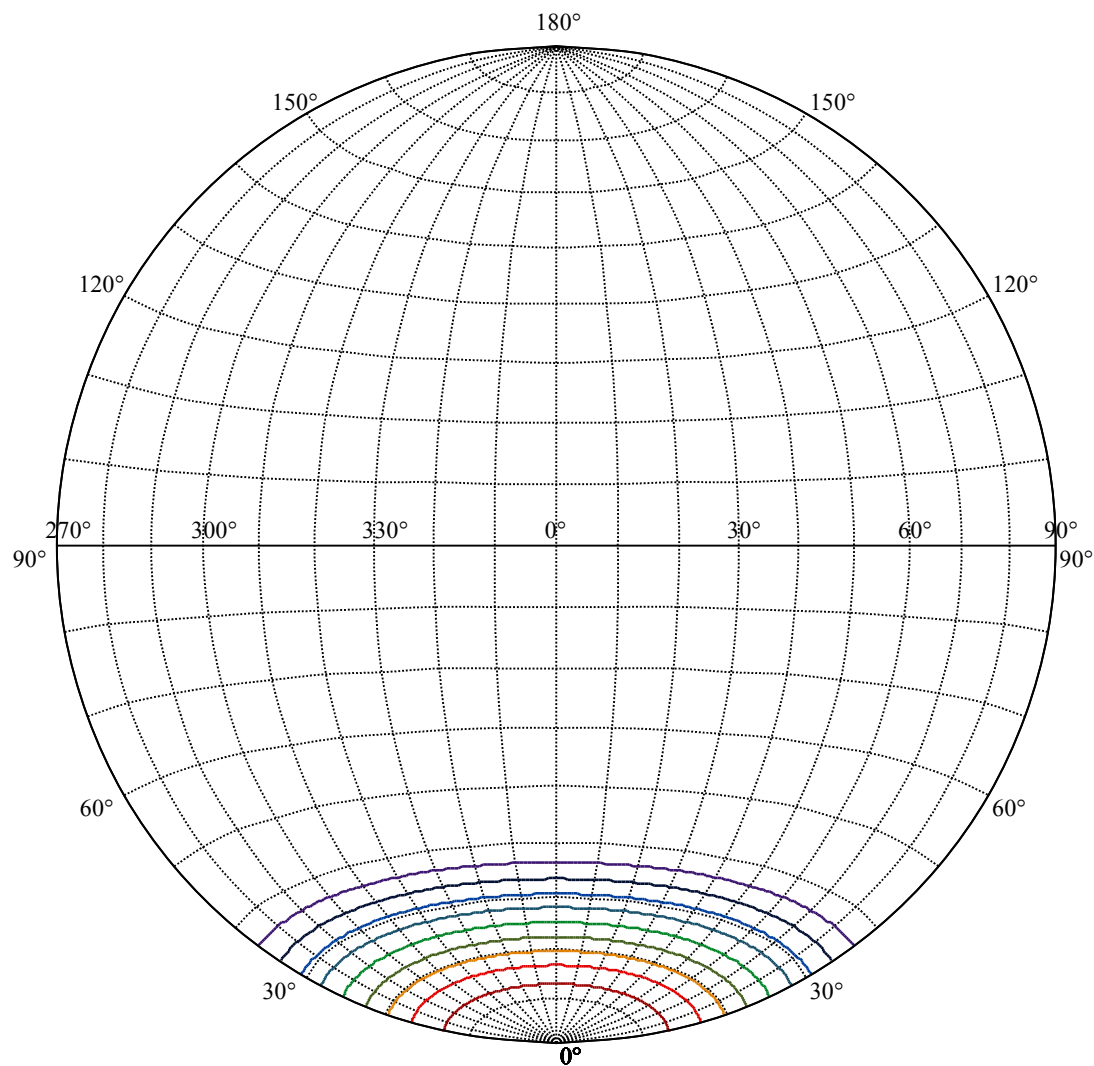
:C90/270Left:38.5 Right:34.5

Beam Angle(50%Imax):C0/180Left:27.3 Right:23.3

:C90/270Left:27.3 Right:23.3





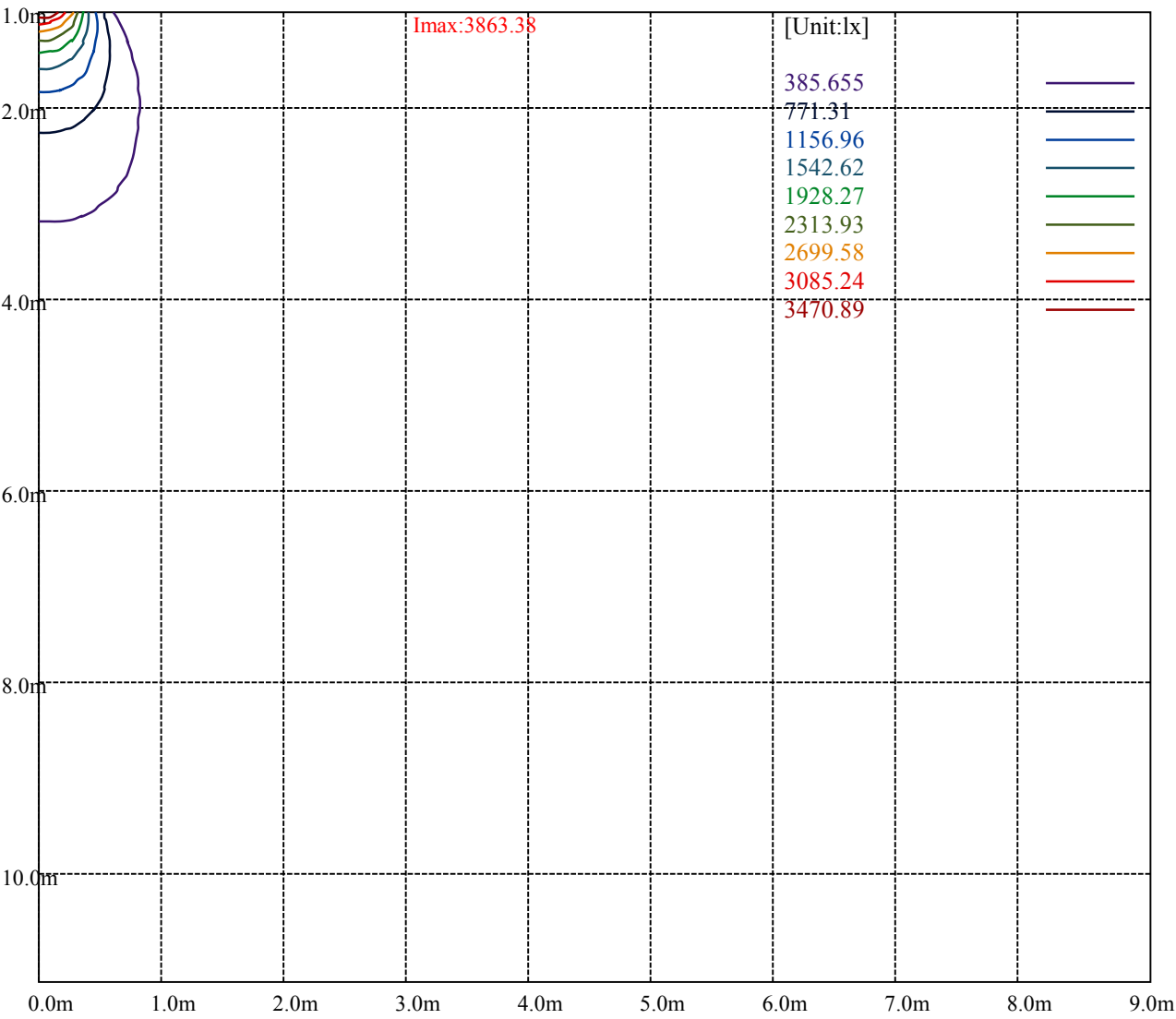


House

[Unit:cd]

Road

Imax:3863.38	
(10%Imax) 386.338	—
(20%Imax) 772.677	—
(30%Imax) 1159.02	—
(40%Imax) 1545.35	—
(50%Imax) 1931.69	—
(60%Imax) 2318.03	—
(70%Imax) 2704.37	—
(80%Imax) 3090.71	—
(90%Imax) 3477.05	—



Luminance Table

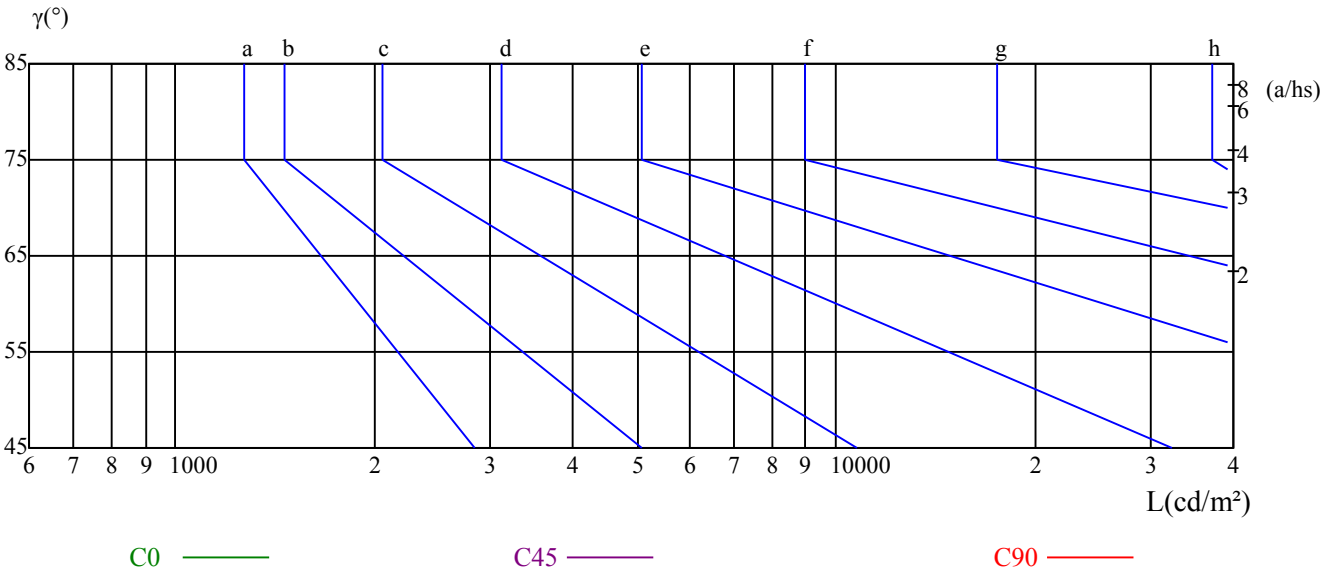
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

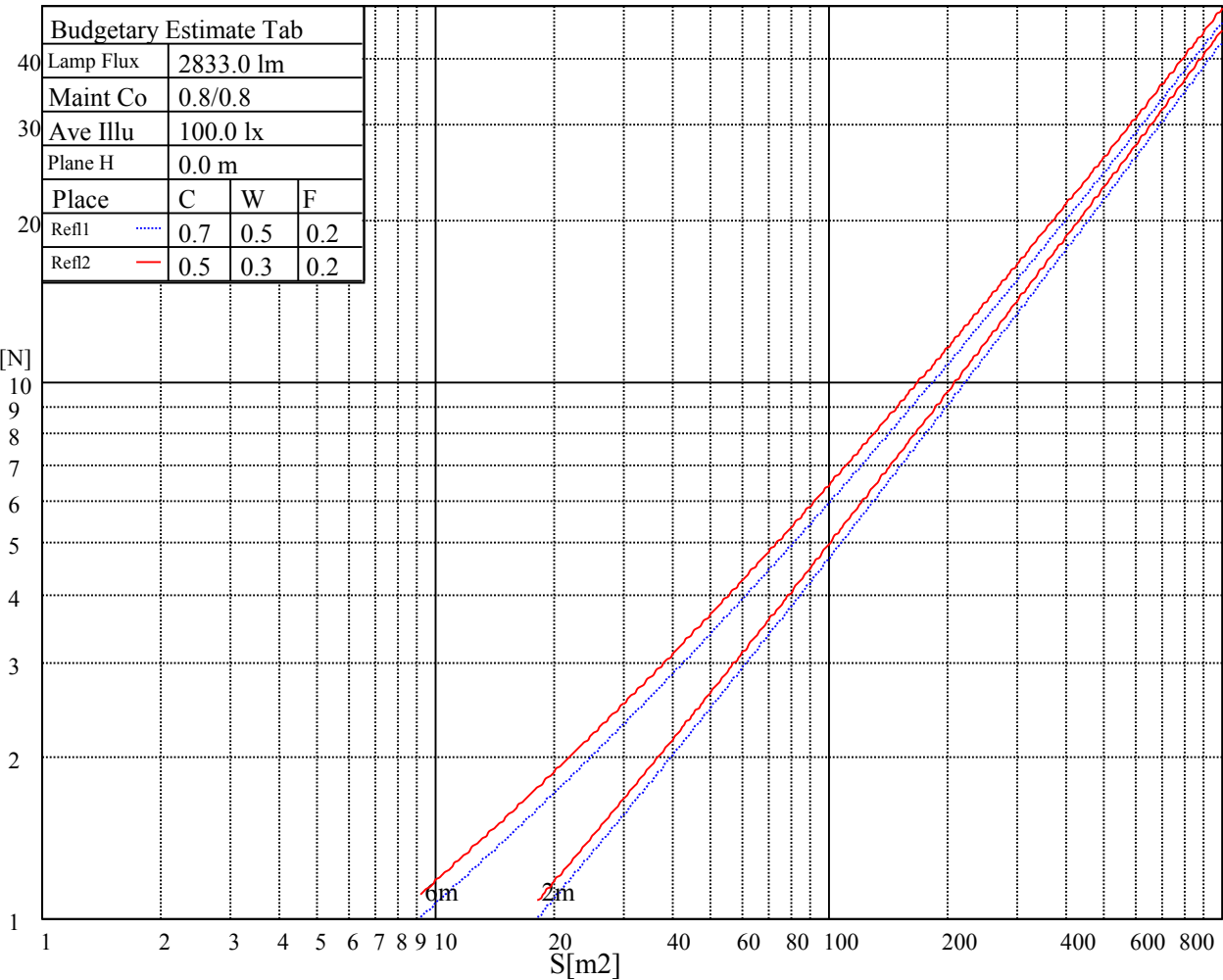
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	≤ 300				
1.5	B		2000	1000	500	≤ 300			
1.85	C			2000	1000	500	≤ 300		
2.2	D				2000	1000	500	≤ 300	
2.55	E					2000	1000	500	≤ 300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

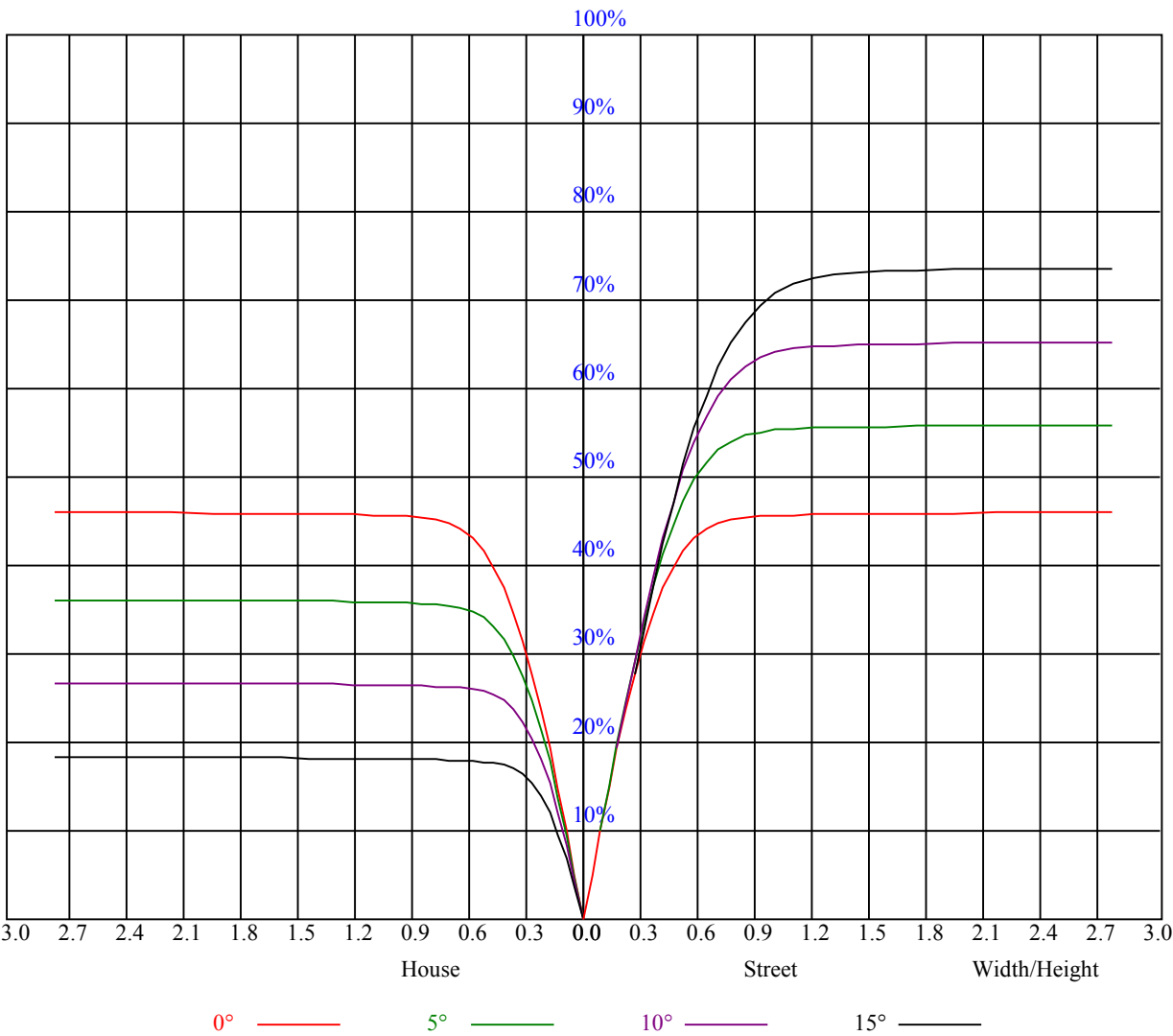


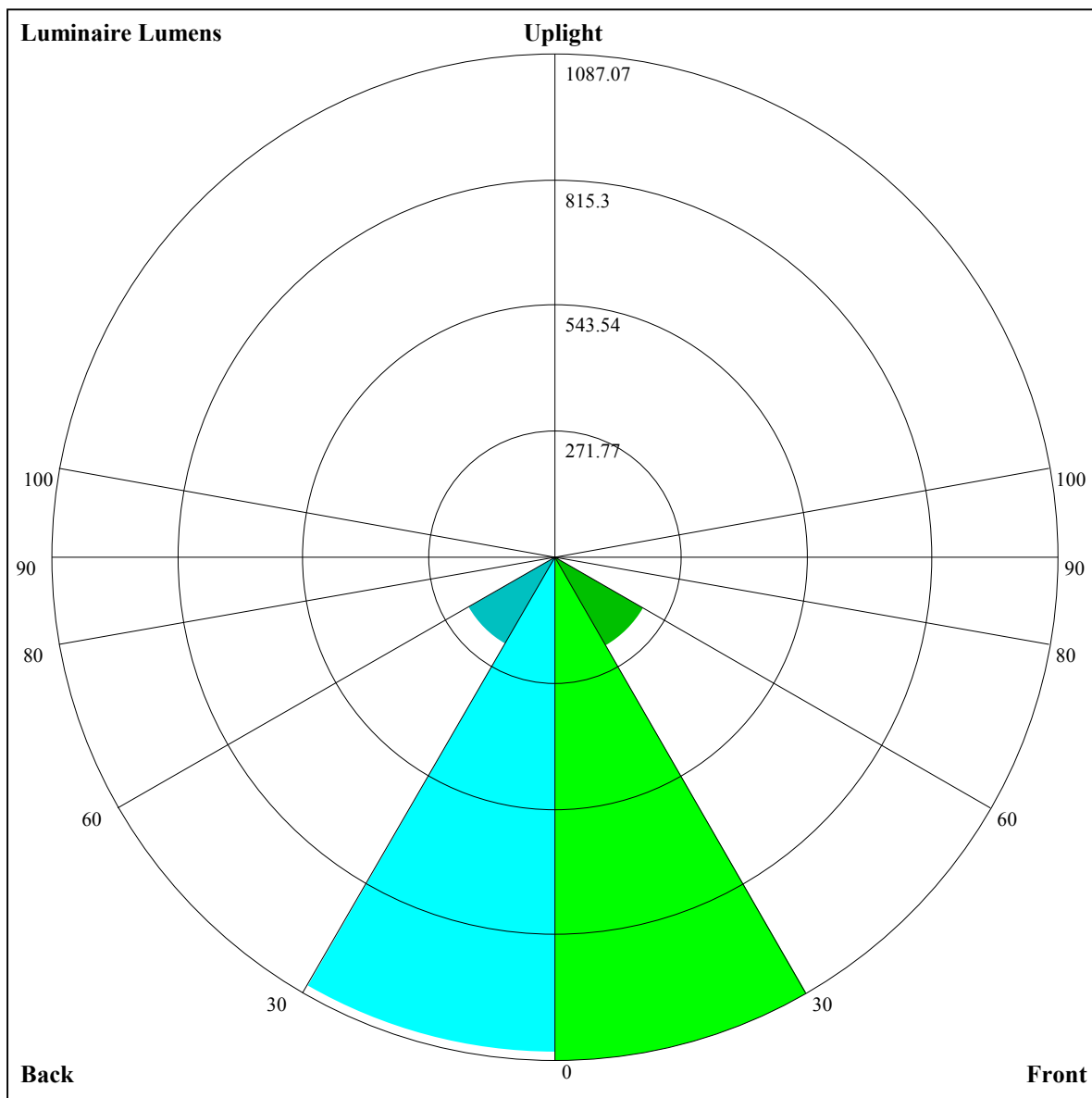
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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



RHOC	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	1.10	1.10	1.10	1.07	1.07	1.07	1.02	1.02	1.02	0.98	0.98	0.98	0.94	0.94	0.94	0.92
1	1.03	1.00	0.99	1.01	0.99	0.97	0.97	0.95	0.94	0.94	0.92	0.91	0.90	0.89	0.89	0.87
2	0.96	0.93	0.90	0.95	0.92	0.89	0.92	0.89	0.87	0.89	0.87	0.85	0.86	0.85	0.83	0.82
3	0.90	0.86	0.83	0.89	0.85	0.82	0.87	0.84	0.81	0.85	0.82	0.80	0.83	0.80	0.78	0.77
4	0.85	0.81	0.77	0.84	0.80	0.77	0.82	0.79	0.76	0.80	0.77	0.75	0.79	0.76	0.74	0.73
5	0.81	0.76	0.72	0.80	0.75	0.72	0.78	0.74	0.71	0.77	0.73	0.70	0.75	0.72	0.70	0.69
6	0.76	0.71	0.68	0.76	0.71	0.67	0.74	0.70	0.67	0.73	0.69	0.66	0.72	0.69	0.66	0.65
7	0.72	0.67	0.64	0.72	0.67	0.64	0.71	0.66	0.63	0.69	0.66	0.63	0.68	0.65	0.63	0.61
8	0.69	0.64	0.60	0.68	0.63	0.60	0.67	0.63	0.60	0.66	0.62	0.60	0.65	0.62	0.59	0.58
9	0.65	0.60	0.57	0.65	0.60	0.57	0.64	0.60	0.57	0.63	0.59	0.57	0.63	0.59	0.56	0.55
10	0.62	0.57	0.54	0.62	0.57	0.54	0.61	0.57	0.54	0.60	0.57	0.54	0.60	0.56	0.54	0.53





Luminaire Lumens:

FL=1087.07,FM=220.43,FH=7.77,FVH=1.09

BL=1070.32,BM=216.92,BH=7.6,BVH=1.04

UL=0,UH=0

BUG Rating:B3-U0-G0

Intensity data(cd)									Appendix Page: 18 Total:20
C/γ(°)	0.0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0
0.0	3868.65	3886.52	3899.30	3898.77	3894.30	3893.72	3878.17	3853.09	3810.73
45.0	3847.52	3870.33	3883.74	3892.62	3898.19	3894.88	3883.16	3850.83	3816.88
90.0	3860.87	3867.55	3884.26	3879.80	3866.44	3851.94	3822.45	3778.98	3741.08
135.0	3849.15	3851.41	3853.09	3855.88	3846.94	3840.79	3825.24	3767.84	3741.08
180.0	3868.65	3853.09	3848.05	3835.22	3833.02	3810.73	3792.91	3774.51	3729.94
225.0	3847.52	3840.27	3829.13	3808.52	3792.33	3777.88	3755.01	3717.69	3680.90
270.0	3860.87	3848.05	3841.95	3845.84	3841.95	3817.98	3811.83	3801.27	3790.12
315.0	3849.15	3852.52	3867.55	3869.81	3868.13	3877.59	3872.02	3840.79	3819.09
360.0	3868.65	3886.52	3899.30	3898.77	3894.30	3893.72	3878.17	3853.09	3810.73
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	3766.73	3721.58	3663.08	3595.12	3512.65	3416.83	3309.28	3187.81	3057.46
45.0	3774.51	3724.37	3668.65	3601.79	3521.00	3431.86	3323.21	3216.77	3089.20
90.0	3682.00	3612.94	3537.72	3450.78	3352.75	3235.17	3113.70	2988.34	2845.73
135.0	3697.09	3644.68	3576.72	3504.29	3423.50	3330.47	3226.29	3107.02	2981.66
180.0	3687.05	3632.44	3592.86	3521.58	3459.72	3377.82	3287.00	3184.50	3081.42
225.0	3633.01	3581.71	3526.00	3463.08	3391.75	3303.71	3209.57	3104.24	2991.70
270.0	3759.48	3717.69	3682.58	3650.83	3604.58	3542.71	3473.65	3400.11	3308.70
315.0	3789.55	3750.54	3698.19	3649.73	3591.75	3517.11	3433.54	3346.60	3247.99
360.0	3766.73	3721.58	3663.08	3595.12	3512.65	3416.83	3309.28	3187.81	3057.46
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2909.81	2754.91	2600.00	2475.22	2323.10	2153.75	2041.74	1905.81	1778.19
45.0	2944.34	2794.49	2700.29	2491.94	2398.90	2255.67	2114.17	1982.13	1852.88
90.0	2690.25	2598.32	2394.96	2250.67	2168.20	1981.03	1904.13	1770.94	1635.59
135.0	2838.48	2689.73	2540.98	2401.69	2261.24	2117.53	2040.06	1872.38	1797.16
180.0	2955.48	2818.98	2679.11	2536.51	2455.72	2315.85	2132.57	2051.20	1920.27
225.0	2865.76	2718.11	2570.46	2430.65	2340.40	2138.66	2001.63	1928.10	1747.55
270.0	3206.21	3112.07	2948.23	2795.59	2678.59	2490.83	2368.78	2217.82	2070.17
315.0	3115.38	2976.67	2822.87	2666.86	2499.71	2343.71	2191.07	2045.63	1905.81
360.0	2909.81	2754.91	2600.00	2475.22	2323.10	2153.75	2041.74	1905.81	1778.19
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1648.36	1510.75	1360.32	1061.87	1061.87	911.33	764.10	623.97	489.36
45.0	1732.51	1604.94	1467.86	1323.00	1170.36	1021.03	868.33	719.58	580.29
90.0	1494.61	1279.53	1076.53	1014.98	862.55	715.59	575.03	445.15	330.83
135.0	1677.90	1492.93	1401.58	1248.36	1096.24	945.81	799.27	657.19	526.26
180.0	1798.79	1677.37	1542.50	1394.85	1240.53	1087.89	935.77	788.12	643.26
225.0	1674.01	1541.97	1399.90	1099.77	1099.77	946.86	795.27	648.36	514.27
270.0	1930.31	1794.90	1670.12	1531.93	1378.71	1228.28	1073.38	918.48	768.04
315.0	1770.41	1642.26	1504.08	1355.32	1058.24	1058.24	968.57	821.03	680.11
360.0	1648.36	1510.75	1360.32	1061.87	1061.87	911.33	764.10	623.97	489.36
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	416.87	266.49	183.34	147.18	102.50	90.46	74.01	63.08	54.88
45.0	449.94	334.03	292.25	292.25	128.57	103.39	84.89	70.54	61.13
90.0	242.10	175.82	133.09	115.16	92.72	72.06	65.55	56.61	49.09
135.0	403.68	295.03	295.03	132.77	102.08	89.09	66.54	56.24	51.46
180.0	510.64	389.75	303.39	303.39	147.96	101.18	88.88	72.90	60.87
225.0	392.69	288.94	205.52	153.32	107.23	90.41	73.96	62.13	53.61
270.0	626.55	497.29	379.19	276.64	276.64	197.48	110.38	88.25	71.91
315.0	544.34	419.08	309.33	217.35	152.22	113.32	90.67	74.11	62.44
360.0	416.87	266.49	183.34	147.18	102.50	90.46	74.01	63.08	54.88

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	47.78	41.94	36.90	32.90	29.70	26.81	24.49	22.55	20.81
45.0	53.09	46.62	40.84	35.95	32.06	28.80	26.07	23.81	21.81
90.0	42.63	37.48	33.27	29.70	26.75	24.34	22.29	20.50	18.82
135.0	44.57	38.69	33.96	30.07	26.91	24.28	22.23	20.39	18.87
180.0	52.30	45.26	39.47	34.74	30.75	27.49	24.81	22.65	20.87
225.0	46.57	40.58	35.69	31.64	28.23	25.55	23.23	21.34	19.71
270.0	60.29	52.25	45.36	39.58	34.69	30.75	27.44	24.81	22.65
315.0	54.14	47.04	41.16	36.16	32.01	28.80	25.97	23.71	22.13
360.0	47.78	41.94	36.90	32.90	29.70	26.81	24.49	22.55	20.81
C/ γ (°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	19.24	17.92	16.71	15.61	14.56	13.77	13.09	12.14	11.56
45.0	20.08	19.13	17.24	16.08	15.40	14.40	13.46	12.56	11.83
90.0	17.50	16.24	15.19	14.14	13.25	12.46	11.98	11.35	10.41
135.0	17.50	16.24	15.24	14.30	13.40	12.62	11.98	11.30	10.88
180.0	19.24	17.82	16.66	15.61	14.98	13.61	12.93	12.40	11.41
225.0	18.29	17.03	15.87	14.88	13.98	13.14	12.62	11.93	10.99
270.0	20.87	19.24	17.87	16.66	15.61	14.56	13.88	13.04	12.25
315.0	20.03	18.61	17.56	16.29	15.24	14.30	13.40	12.56	11.83
360.0	19.24	17.92	16.71	15.61	14.56	13.77	13.09	12.14	11.56
C/ γ (°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	10.88	10.35	9.72	9.15	8.67	8.25	7.73	7.25	6.83
45.0	11.14	10.46	9.88	9.36	8.83	8.36	7.83	7.46	6.99
90.0	10.09	9.46	8.94	8.52	7.99	7.57	7.10	6.73	6.36
135.0	10.09	9.51	9.20	8.78	8.30	7.78	7.41	6.99	6.62
180.0	11.09	10.46	9.83	9.36	8.88	8.41	7.88	7.52	7.10
225.0	10.57	10.04	9.51	8.99	8.52	8.04	7.67	7.25	6.78
270.0	11.56	10.99	10.30	9.78	9.30	8.78	8.30	7.88	7.52
315.0	11.14	10.57	10.04	9.41	8.83	8.46	7.94	7.57	7.10
360.0	10.88	10.35	9.72	9.15	8.67	8.25	7.73	7.25	6.83
C/ γ (°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	6.47	6.04	5.62	5.20	4.84	4.47	3.99	3.68	3.21
45.0	6.62	6.20	5.83	5.47	4.99	4.78	4.26	4.05	3.68
90.0	5.89	5.52	5.15	4.78	4.36	3.94	3.57	3.21	2.89
135.0	6.20	5.83	5.52	5.10	4.68	4.31	3.99	3.57	3.15
180.0	6.68	6.20	5.89	5.52	5.15	4.73	4.31	3.99	3.63
225.0	6.41	6.04	5.68	5.26	4.89	4.52	4.15	3.73	3.26
270.0	7.10	6.62	6.25	5.94	5.62	5.10	4.78	4.36	3.99
315.0	6.68	6.25	5.94	5.68	5.10	4.89	4.52	4.10	3.73
360.0	6.47	6.04	5.62	5.20	4.84	4.47	3.99	3.68	3.21
C/ γ (°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	2.89	2.63	2.31	2.05	1.84	1.52	1.37	1.16	0.79
45.0	3.15	2.89	2.52	2.21	1.94	1.68	1.47	1.21	0.89
90.0	2.52	2.26	1.94	1.79	1.52	1.31	1.05	0.79	0.84
135.0	2.84	2.52	2.16	1.84	1.68	1.47	1.26	0.95	0.68
180.0	3.15	2.84	2.42	2.16	1.89	1.68	1.42	1.16	0.95
225.0	3.00	2.68	2.31	2.05	1.89	1.52	1.42	1.10	0.89
270.0	3.63	3.21	2.89	2.47	2.16	2.00	1.68	1.42	1.16
315.0	3.36	2.94	2.63	2.26	2.00	1.79	1.52	1.31	1.00
360.0	2.89	2.63	2.31	2.05	1.84	1.52	1.37	1.16	0.79

Intensity data(cd)

Appendix Page: 20 Total:20

C/ $\gamma(^{\circ})$	90.0
0.0	0.79
45.0	0.84
90.0	0.79
135.0	0.68
180.0	0.58
225.0	0.63
270.0	0.95
315.0	0.89
360.0	0.79