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Nata

Client:

LumCAT: 2-2760-L

Luminaire: 92.70.412.00

Report No: 2024809-B005

Ballast type: AC

Test No: 2024809-C005

Voltage(V): 36.610

LampCAT: P2141-036-1206-P3090-1

Current(A): 0.695

Lamp flux(lm): 3120.0

Power (W): 25.440

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 2898.13, Efficiency(%): 92.89% , Luminous Efficacy(lm/W): 113.92

Central intensity(cd): 4178.601, Maximum intensity(cd): 4183.949

Angle of maximum intensity: C=0.0 γ =2.0

Beam Angle(50%Imax): [C0/180]Total=51.4

[C90/270]Total=51.4

Field angle(10%Imax): [C0/180]Total=73.8

[C90/270]Total=73.8

Maximum s/h(1/2): C0_180=0.82 C90_270=0.82

Maximum s/h(1/4): C0_180=0.77 C90_270=0.77

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 92.89%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 99.320%

Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2024/8/9
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	4178.600	0.000	0	0.00%	0.00%
1.0	4181.235	4.000	4	0.13%	0.14%
2.0	4183.949	12.007	16.007	0.38%	0.55%
3.0	4180.184	20.004	36.011	0.64%	1.24%
4.0	4176.787	27.973	63.984	0.90%	2.21%
5.0	4171.761	35.915	99.899	1.15%	3.45%
6.0	4169.054	43.833	143.732	1.40%	4.96%
7.0	4157.497	51.683	195.415	1.66%	6.74%
8.0	4132.569	59.330	254.746	1.90%	8.79%
9.0	4094.113	66.673	321.418	2.14%	11.09%
10.0	4045.230	73.658	395.076	2.36%	13.63%
11.0	3984.481	80.233	475.31	2.57%	16.40%
12.0	3915.893	86.362	561.672	2.77%	19.38%
13.0	3832.812	91.958	653.63	2.95%	22.55%
14.0	3738.856	96.917	750.546	3.11%	25.90%
15.0	3645.814	101.380	851.926	3.25%	29.40%
16.0	3512.430	104.888	956.815	3.36%	33.01%
17.0	3394.394	107.558	1064.373	3.45%	36.73%
18.0	3270.353	109.887	1174.26	3.52%	40.52%
19.0	3128.415	111.325	1285.585	3.57%	44.36%
20.0	2993.796	112.053	1397.639	3.59%	48.23%
21.0	2844.334	112.104	1509.743	3.59%	52.09%
22.0	2690.274	111.220	1620.963	3.56%	55.93%
23.0	2529.472	109.524	1730.487	3.51%	59.71%
24.0	2365.661	107.025	1837.512	3.43%	63.40%
25.0	2197.960	103.767	1941.279	3.33%	66.98%
26.0	2049.602	100.264	2041.543	3.21%	70.44%
27.0	1865.818	95.792	2137.335	3.07%	73.75%
28.0	1686.816	89.945	2227.28	2.88%	76.85%
29.0	1489.188	83.093	2310.373	2.66%	79.72%
30.0	1268.274	74.451	2384.824	2.39%	82.29%
31.0	1158.057	67.521	2452.346	2.16%	84.62%
32.0	1021.887	62.453	2514.798	2.00%	86.77%
33.0	859.916	55.439	2570.237	1.78%	88.69%
34.0	715.711	47.683	2617.92	1.53%	90.33%
35.0	594.626	40.694	2658.614	1.30%	91.74%
36.0	491.834	34.593	2693.207	1.11%	92.93%
37.0	406.768	29.307	2722.515	0.94%	93.94%

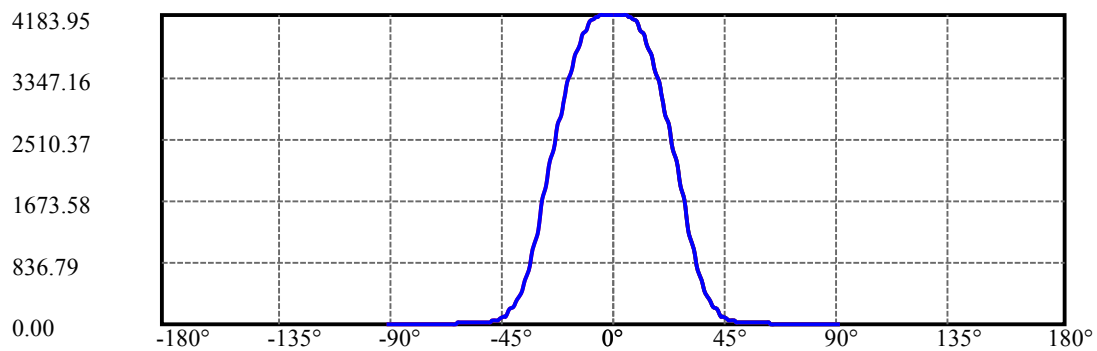
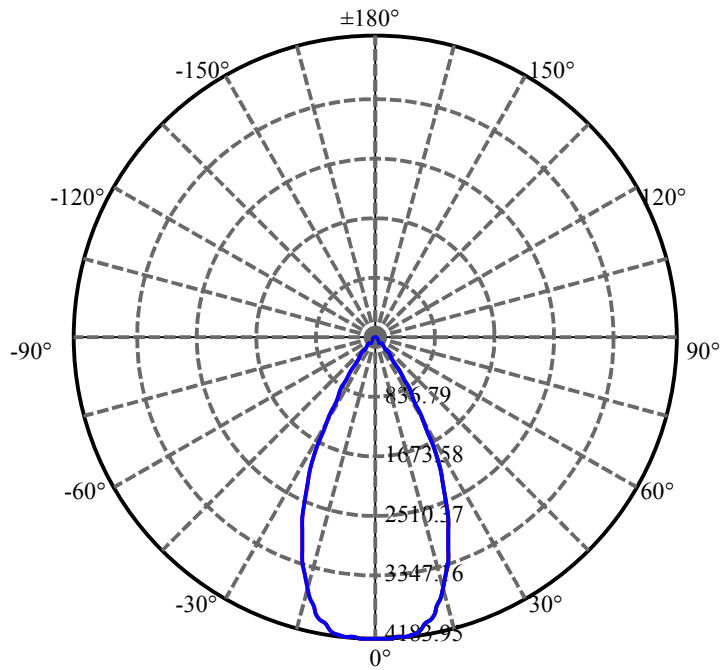
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	335.152	24.764	2747.279	0.79%	94.79%
39.0	277.530	20.913	2768.192	0.67%	95.52%
40.0	246.663	18.282	2786.474	0.59%	96.15%
41.0	197.116	15.803	2802.276	0.51%	96.69%
42.0	143.128	12.362	2814.638	0.40%	97.12%
43.0	116.689	9.624	2824.262	0.31%	97.45%
44.0	93.312	7.926	2832.188	0.25%	97.72%
45.0	75.973	6.506	2838.694	0.21%	97.95%
46.0	62.471	5.414	2844.108	0.17%	98.14%
47.0	51.971	4.552	2848.66	0.15%	98.29%
48.0	44.356	3.894	2852.554	0.12%	98.43%
49.0	38.233	3.392	2855.946	0.11%	98.54%
50.0	33.811	3.004	2858.949	0.10%	98.65%
51.0	30.112	2.704	2861.654	0.09%	98.74%
52.0	27.122	2.456	2864.11	0.08%	98.83%
53.0	24.796	2.258	2866.368	0.07%	98.90%
54.0	22.595	2.089	2868.457	0.07%	98.98%
55.0	20.683	1.932	2870.389	0.06%	99.04%
56.0	19.264	1.805	2872.194	0.06%	99.11%
57.0	17.884	1.699	2873.893	0.05%	99.16%
58.0	16.656	1.597	2875.49	0.05%	99.22%
59.0	15.585	1.507	2876.997	0.05%	99.27%
60.0	14.652	1.428	2878.426	0.05%	99.32%
61.0	13.771	1.356	2879.782	0.04%	99.37%
62.0	13.022	1.291	2881.073	0.04%	99.41%
63.0	12.293	1.231	2882.304	0.04%	99.45%
64.0	11.616	1.173	2883.477	0.04%	99.49%
65.0	11.025	1.120	2884.598	0.04%	99.53%
66.0	10.394	1.069	2885.667	0.03%	99.57%
67.0	9.921	1.022	2886.688	0.03%	99.61%
68.0	9.382	0.978	2887.666	0.03%	99.64%
69.0	8.837	0.929	2888.595	0.03%	99.67%
70.0	8.384	0.884	2889.48	0.03%	99.70%
71.0	7.904	0.842	2890.322	0.03%	99.73%
72.0	7.431	0.797	2891.119	0.03%	99.76%
73.0	6.984	0.754	2891.873	0.02%	99.78%
74.0	6.524	0.710	2892.583	0.02%	99.81%
75.0	6.130	0.669	2893.252	0.02%	99.83%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	5.637	0.625	2893.876	0.02%	99.85%
77.0	5.237	0.580	2894.456	0.02%	99.87%
78.0	4.796	0.537	2894.993	0.02%	99.89%
79.0	4.304	0.489	2895.482	0.02%	99.91%
80.0	3.863	0.440	2895.922	0.01%	99.92%
81.0	3.397	0.393	2896.315	0.01%	99.94%
82.0	2.989	0.346	2896.661	0.01%	99.95%
83.0	2.543	0.301	2896.962	0.01%	99.96%
84.0	2.194	0.258	2897.22	0.01%	99.97%
85.0	1.892	0.223	2897.443	0.01%	99.98%
86.0	1.570	0.189	2897.633	0.01%	99.98%
87.0	1.340	0.159	2897.792	0.01%	99.99%
88.0	1.091	0.133	2897.925	0.00%	99.99%
89.0	0.907	0.109	2898.034	0.00%	100.00%
90.0	0.795	0.093	2898.128	0.00%	100.00%

ZONAL LUMEN SUMMARY			
Zone	Lumens	%Lamp	%Fixt
0-30	2384.82	76.44%	82.29%
0-40	2786.47	89.31%	96.15%
0-60	2878.43	92.26%	99.32%
0-90	2898.03	92.89%	100.00%
0-120	2898.03	92.89%	100.00%
0-180	2898.13	92.89%	100.00%
60-90	19.61	0.63%	0.68%
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%
0-29.11	2318.50	74.31%	80.00%

ZONAL LUMEN SUMMARY

0-10	395.08
10-20	1002.56
20-30	987.19
30-40	401.65
40-50	72.48
50-60	19.48
60-70	11.05
70-80	6.44
80-90	2.11
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: —————

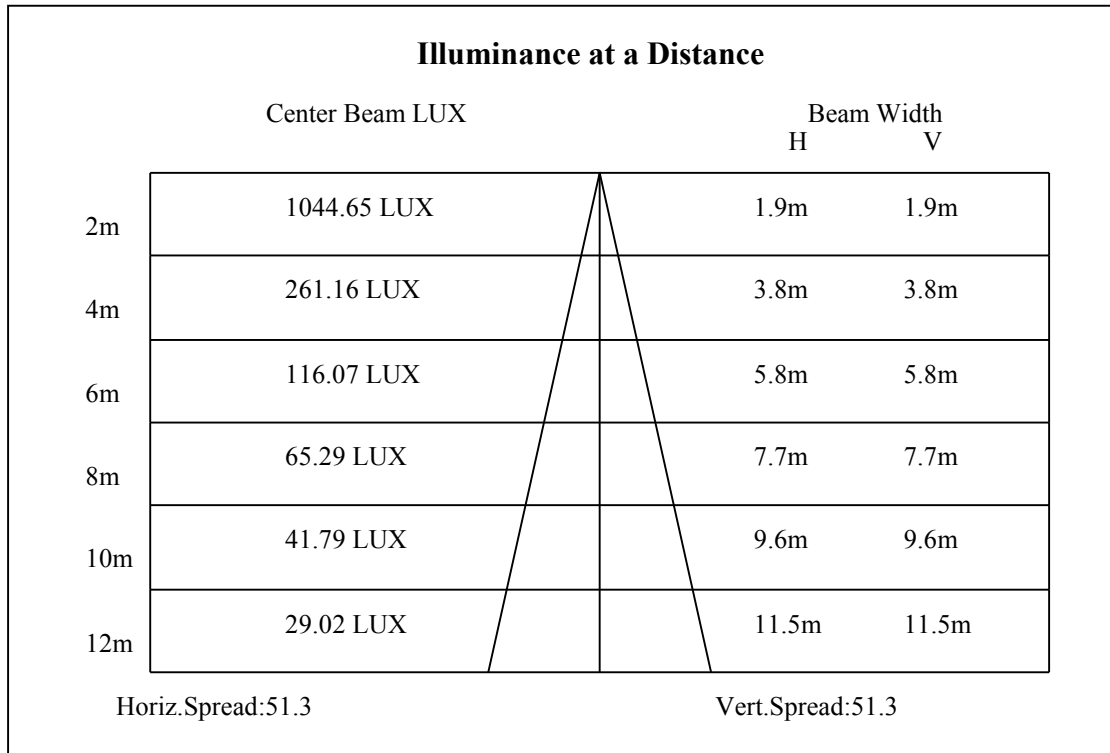
C90/C270: —————

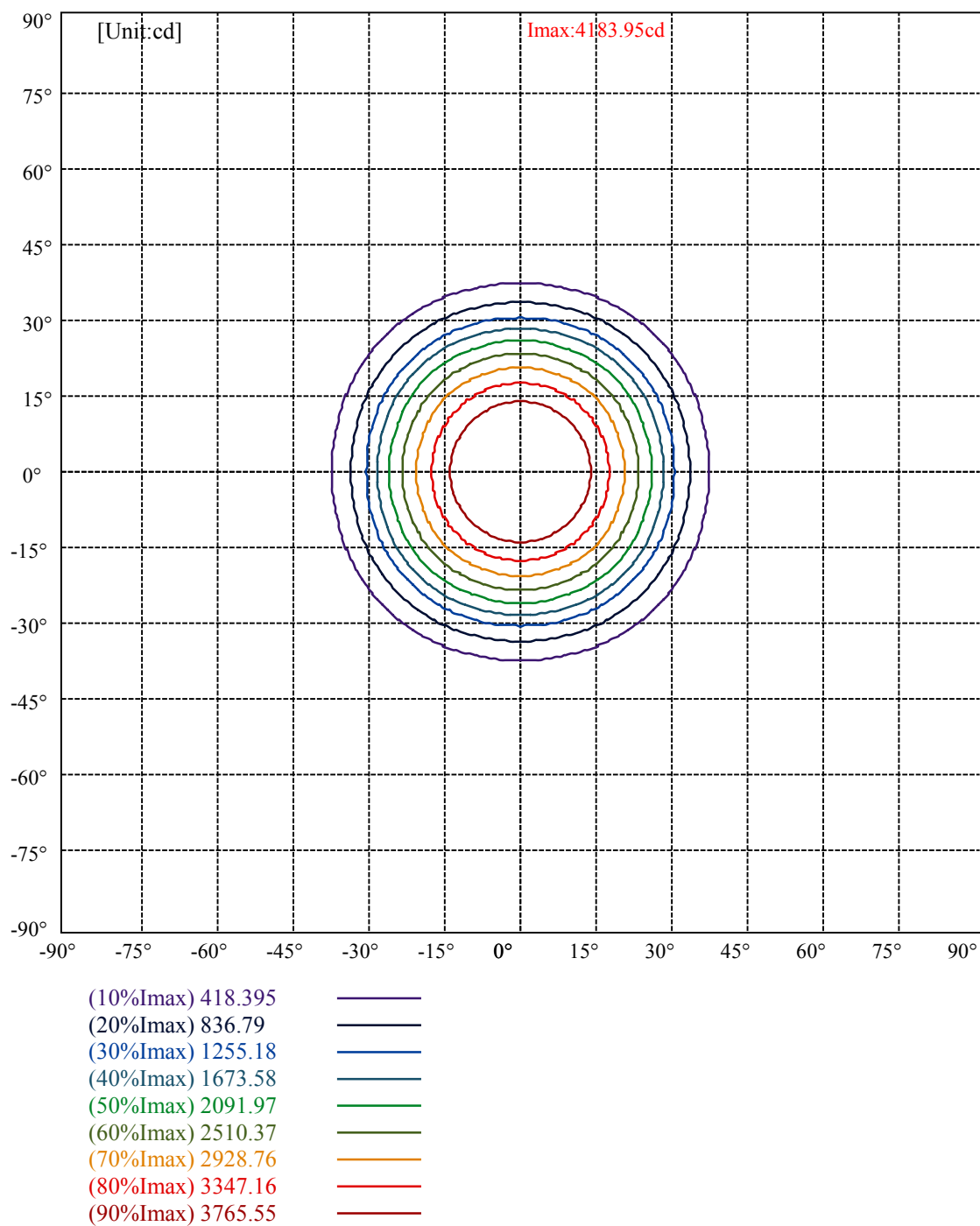
Field angle(10%Imax):C0/180Left:38.9 Right:34.9

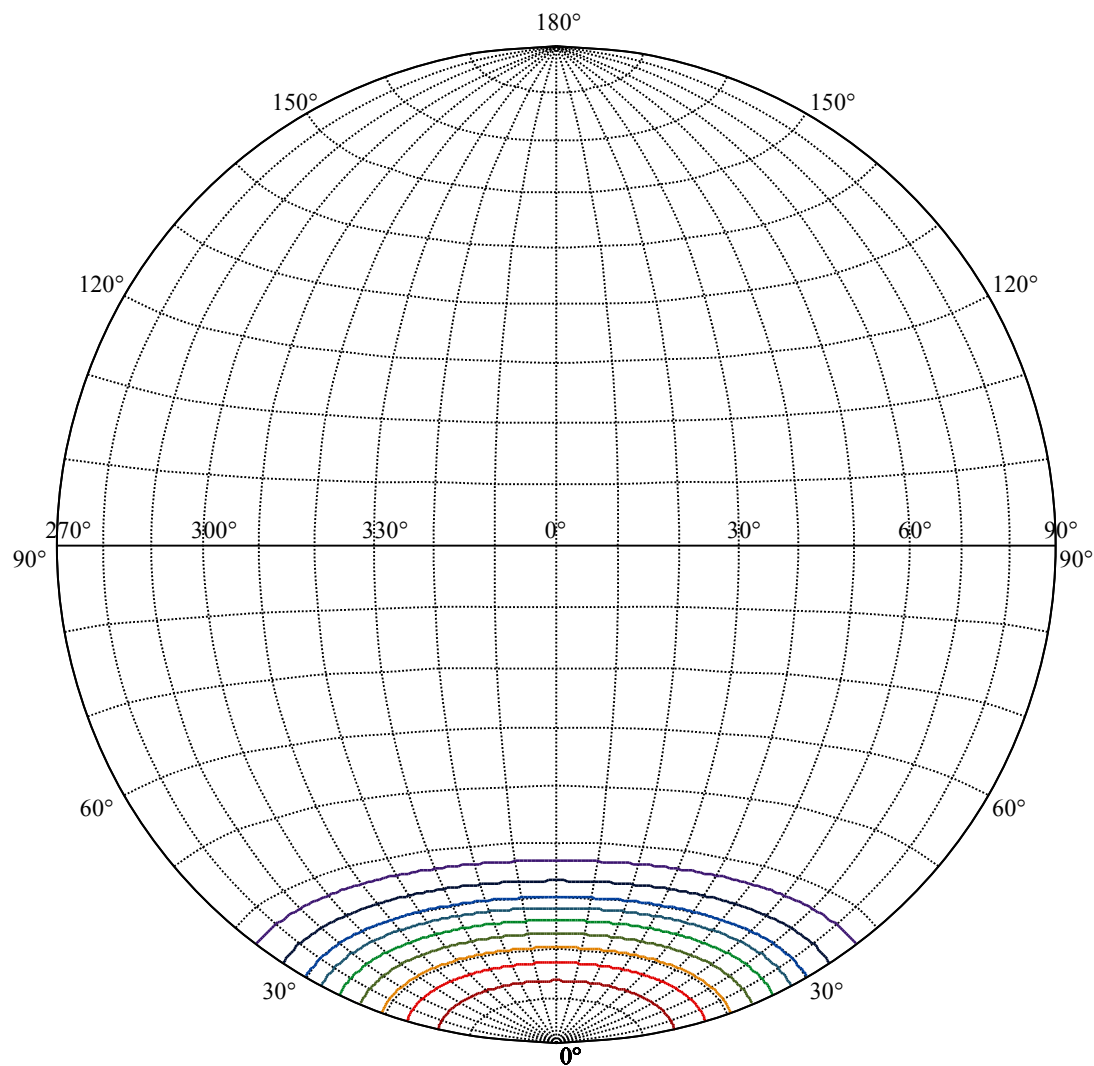
:C90/270Left:38.9 Right:34.9

Beam Angle(50%Imax):C0/180Left:27.7 Right:23.7

:C90/270Left:27.7 Right:23.7





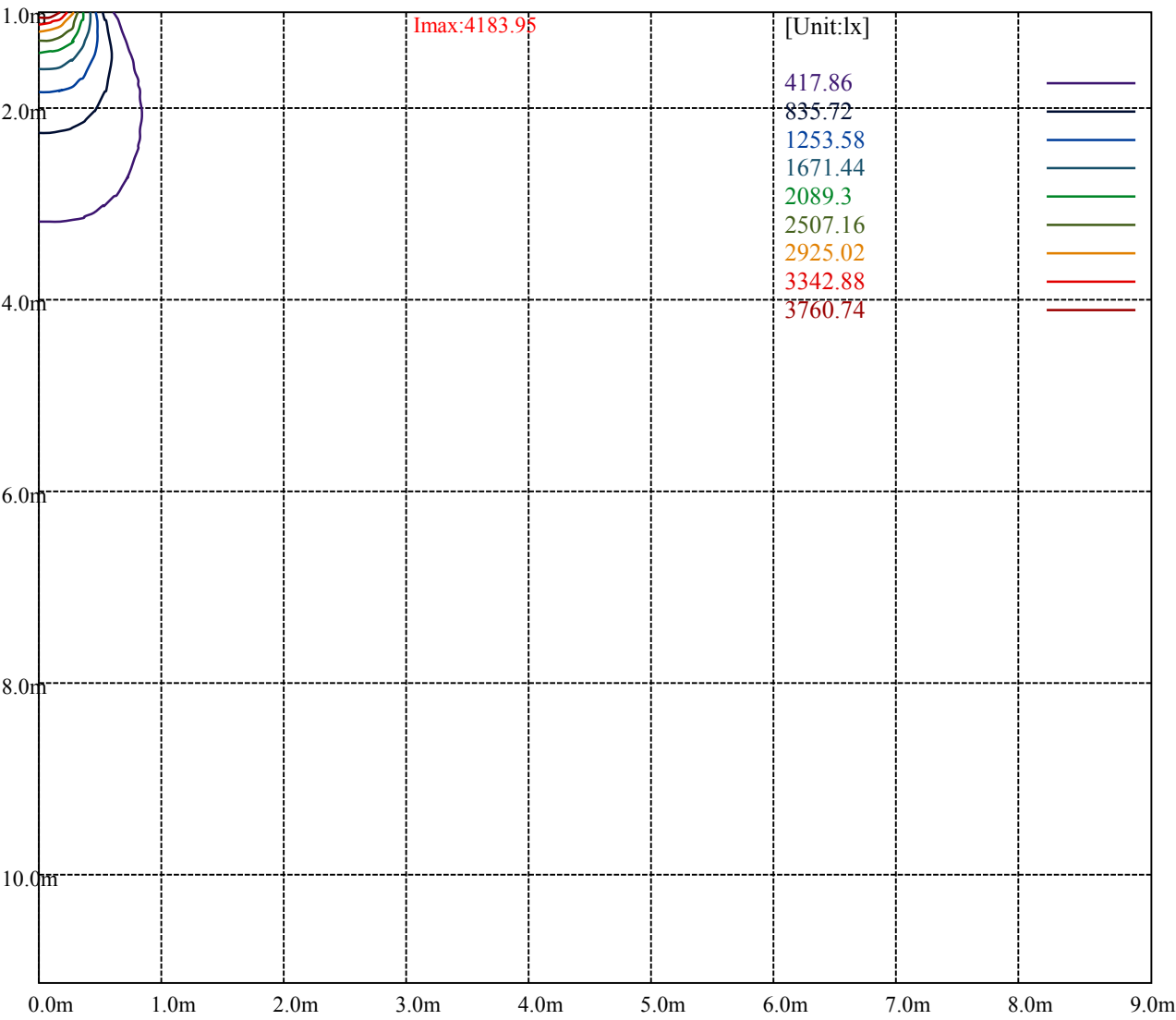


House

[Unit:cd]

Road

Imax:4183.95	
(10%Imax) 418.395	—
(20%Imax) 836.79	—
(30%Imax) 1255.18	—
(40%Imax) 1673.58	—
(50%Imax) 2091.97	—
(60%Imax) 2510.37	—
(70%Imax) 2928.76	—
(80%Imax) 3347.16	—
(90%Imax) 3765.55	—



Luminance Table

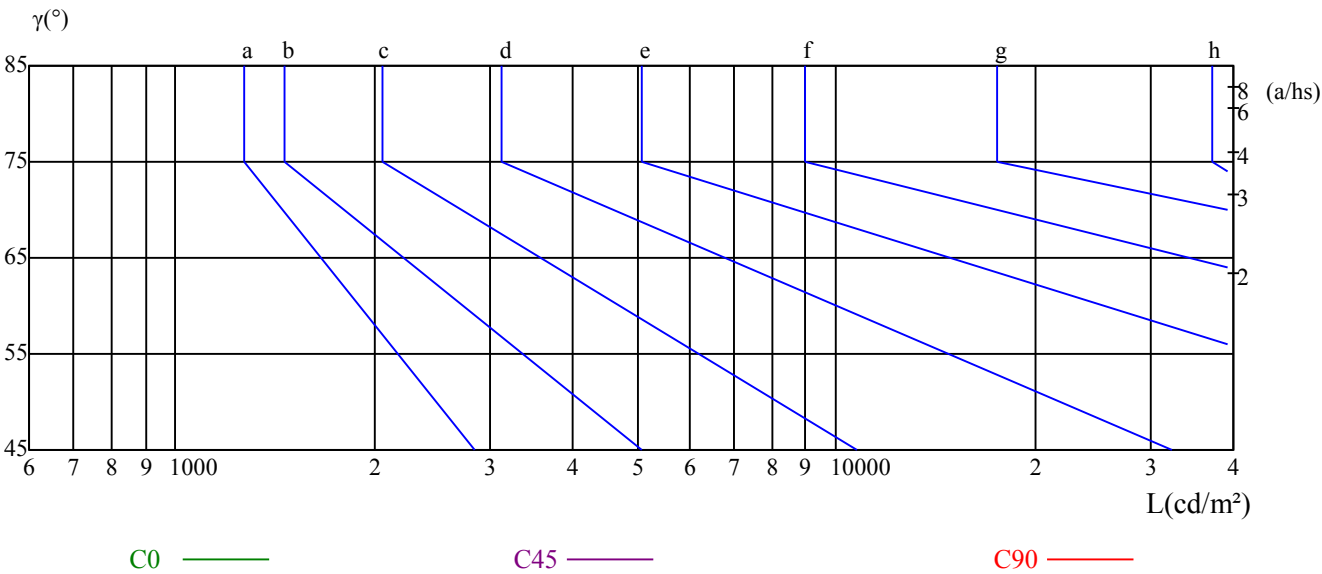
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

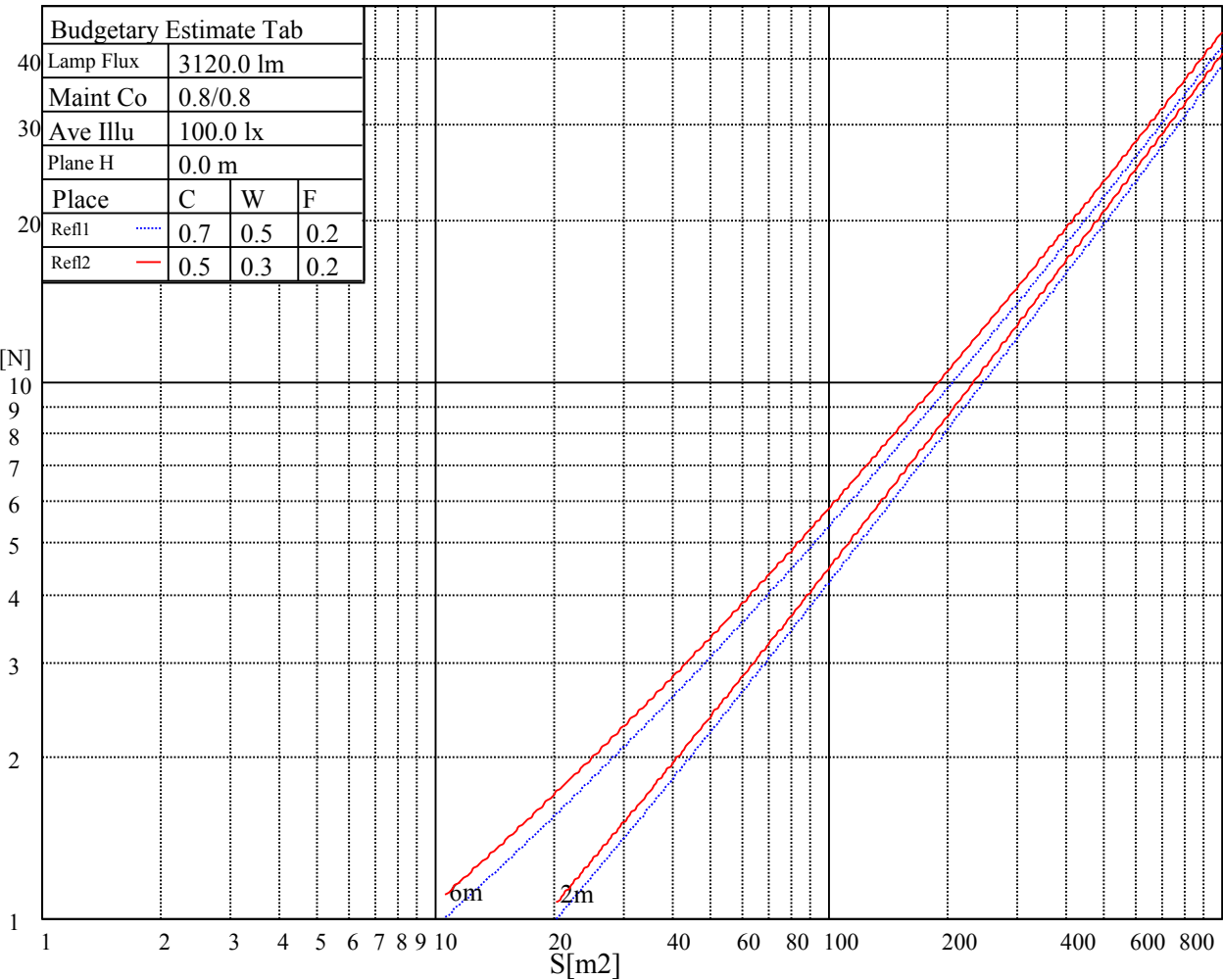
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	≤ 300				
1.5	B		2000	1000	500	≤ 300			
1.85	C			2000	1000	500	≤ 300		
2.2	D				2000	1000	500	≤ 300	
2.55	E					2000	1000	500	≤ 300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

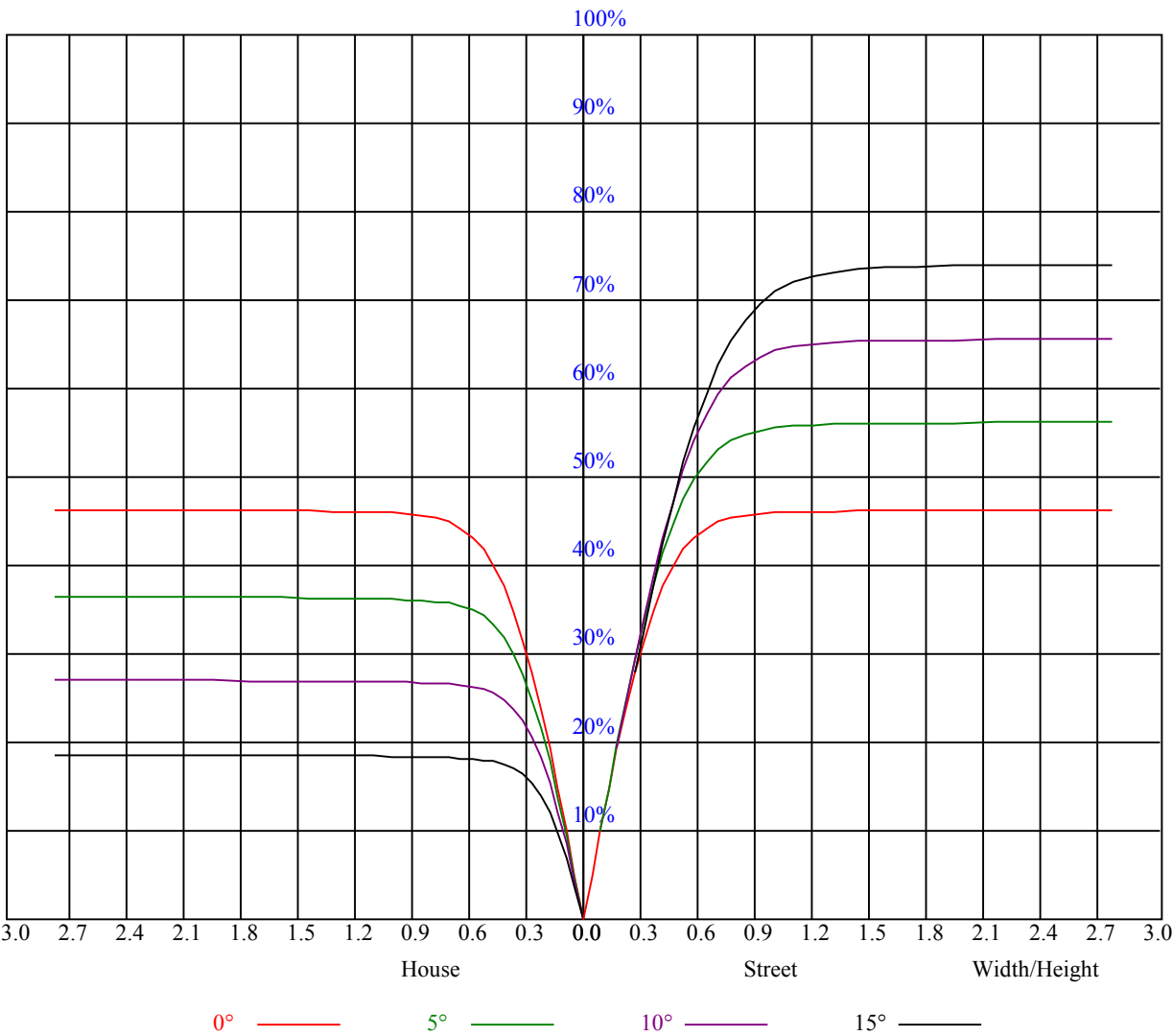


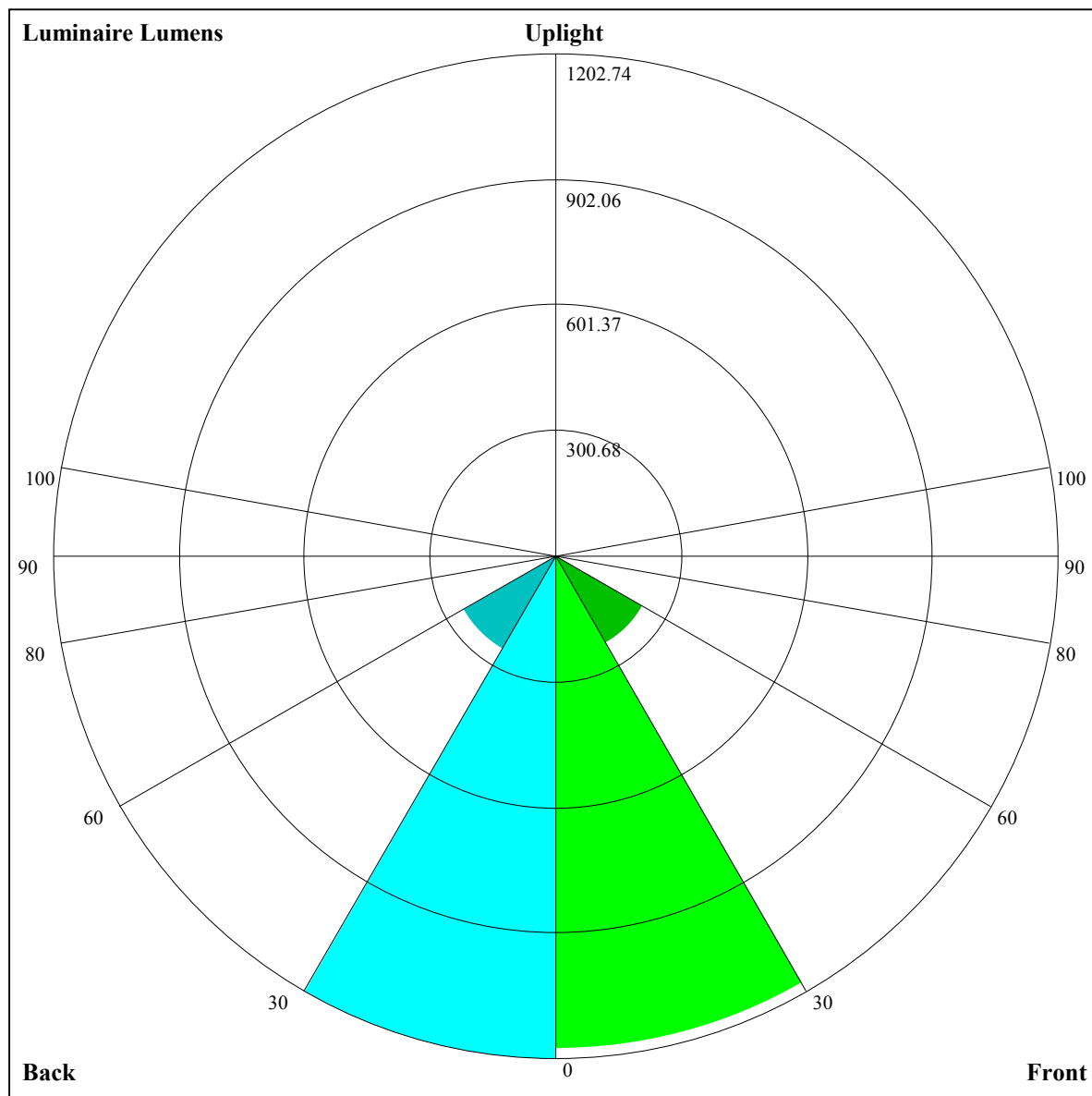
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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	1.11	1.11	1.11	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	1.03	1.01	0.99	1.01	0.99	0.98	0.98	0.96	0.95	0.94	0.93	0.92	0.91	0.90	0.89	0.88
2	0.97	0.93	0.90	0.95	0.92	0.89	0.92	0.90	0.87	0.90	0.87	0.86	0.87	0.85	0.84	0.82
3	0.91	0.87	0.83	0.90	0.86	0.83	0.87	0.84	0.81	0.85	0.82	0.80	0.83	0.81	0.79	0.77
4	0.86	0.81	0.77	0.85	0.80	0.77	0.83	0.79	0.76	0.81	0.78	0.75	0.79	0.77	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	0.71	0.76	0.73	0.70	0.69
6	0.77	0.71	0.68	0.76	0.71	0.68	0.75	0.70	0.67	0.73	0.70	0.67	0.72	0.69	0.66	0.65
7	0.73	0.67	0.64	0.72	0.67	0.64	0.71	0.67	0.63	0.70	0.66	0.63	0.69	0.65	0.63	0.62
8	0.69	0.64	0.60	0.68	0.64	0.60	0.67	0.63	0.60	0.67	0.63	0.60	0.66	0.62	0.59	0.58
9	0.66	0.61	0.57	0.65	0.60	0.57	0.64	0.60	0.57	0.63	0.60	0.57	0.63	0.59	0.56	0.55
10	0.62	0.58	0.54	0.62	0.57	0.54	0.61	0.57	0.54	0.61	0.57	0.54	0.60	0.56	0.54	0.53





Luminaire Lumens:

FL=1177.56,FM=238.11,FH=8.58,FVH=1.08

BL=1202.74,BM=258.28,BH=8.95,BVH=1.15

UL=0,UH=0

BUG Rating:B3-U0-G0

Nata 2-2760-L

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	4180.66	4189.60	4191.81	4192.96	4184.61	4181.24	4179.56	4150.60	4114.96
45.0	4180.14	4189.60	4200.16	4202.95	4215.78	4204.63	4199.64	4197.96	4178.46
90.0	4194.07	4204.63	4199.06	4211.31	4205.21	4204.63	4205.21	4184.61	4135.56
135.0	4159.53	4176.77	4189.02	4183.45	4187.92	4185.13	4177.88	4179.03	4165.63
180.0	4180.66	4182.35	4176.77	4176.77	4159.53	4154.49	4158.96	4137.77	4129.99
225.0	4180.14	4169.52	4168.99	4146.13	4146.71	4142.24	4127.21	4116.59	4090.99
270.0	4194.07	4163.95	4174.57	4172.31	4148.92	4143.34	4145.60	4142.24	4121.64
315.0	4159.53	4173.46	4171.20	4155.59	4165.63	4158.38	4158.38	4151.18	4123.32
360.0	4180.66	4189.60	4191.81	4192.96	4184.61	4181.24	4179.56	4150.60	4114.96
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	4072.60	4014.67	3945.55	3864.76	3763.95	3654.72	3551.65	3389.49	3288.68
45.0	4133.30	4077.59	4019.09	3946.13	3855.88	3757.22	3644.16	3518.22	3376.14
90.0	4077.06	4018.56	3937.19	3843.05	3751.65	3644.16	3565.00	3369.99	3228.49
135.0	4124.42	4064.24	4010.73	3967.84	3880.37	3784.55	3687.05	3575.04	3443.00
180.0	4113.28	4078.74	4028.02	3963.95	3896.51	3812.94	3712.12	3614.04	3505.97
225.0	4044.74	3990.12	3929.94	3855.30	3761.16	3666.97	3612.36	3463.08	3388.97
270.0	4102.66	4069.81	4015.20	3970.10	3903.24	3829.13	3736.09	3643.00	3533.83
315.0	4084.84	4048.10	3990.12	3916.01	3849.73	3761.16	3658.09	3526.58	3390.07
360.0	4072.60	4014.67	3945.55	3864.76	3763.95	3654.72	3551.65	3389.49	3288.68
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	3151.07	3005.63	2846.84	2688.62	2524.26	2362.11	2209.99	2037.27	1870.12
45.0	3235.75	3096.46	2961.63	2807.26	2651.83	2493.62	2329.78	2173.25	2079.06
90.0	3148.28	3018.45	2865.23	2708.13	2551.54	2391.07	2228.39	2059.03	1889.62
135.0	3303.71	3171.10	3037.38	2895.88	2748.23	2593.91	2430.07	2272.96	2101.34
180.0	3386.71	3249.68	3117.64	2985.55	2838.48	2694.20	2536.51	2373.83	2274.06
225.0	3252.99	3066.92	2985.02	2836.27	2676.32	2503.08	2332.04	2152.59	1976.56
270.0	3417.93	3292.57	3154.38	3013.99	2868.55	2704.18	2534.83	2355.43	2216.14
315.0	3266.39	3126.52	2982.24	2818.98	2662.97	2493.62	2323.68	2159.32	1989.91
360.0	3151.07	3005.63	2846.84	2688.62	2524.26	2362.11	2209.99	2037.27	1870.12
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1697.40	1520.21	1102.55	1065.70	996.85	897.14	688.46	614.88	507.28
45.0	1918.06	1683.47	1580.40	1403.21	1226.60	1047.78	876.69	725.15	599.27
90.0	1714.12	1536.93	1272.28	1039.84	971.88	804.05	716.85	546.12	485.57
135.0	1927.52	1746.44	1567.57	1460.61	1209.36	1029.38	927.99	768.04	636.01
180.0	2036.74	1862.34	1758.16	1583.76	1405.47	1223.29	1042.73	870.59	712.91
225.0	1811.09	1645.57	1477.32	1069.59	1069.59	999.63	797.95	684.21	564.31
270.0	2008.31	1865.65	1696.30	1487.94	1349.17	1174.25	995.38	826.55	677.27
315.0	1813.30	1633.91	1458.92	1035.53	1035.53	999.58	833.27	690.15	574.40
360.0	1697.40	1520.21	1102.55	1065.70	996.85	897.14	688.46	614.88	507.28
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	418.82	345.55	282.52	226.91	181.66	144.55	114.85	91.30	73.01
45.0	495.03	409.25	336.24	297.24	297.24	186.96	144.02	120.47	96.77
90.0	402.58	333.09	272.64	222.87	180.13	144.97	116.90	94.45	76.64
135.0	527.94	437.11	359.11	294.46	294.46	186.28	149.54	119.26	95.40
180.0	586.97	490.04	408.67	338.50	289.46	289.46	174.98	140.39	122.52
225.0	466.60	383.50	317.74	261.24	213.67	172.67	138.61	110.64	88.20
270.0	559.69	462.76	382.50	315.64	303.39	280.53	168.20	147.33	107.17
315.0	477.06	392.85	321.79	263.39	213.30	171.51	137.92	109.65	86.78
360.0	418.82	345.55	282.52	226.91	181.66	144.55	114.85	91.30	73.01

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	59.55	49.72	42.31	36.74	32.64	29.17	26.39	24.07	22.50
45.0	78.48	64.55	54.19	46.10	39.79	34.64	30.64	27.49	24.91
90.0	62.86	52.62	44.94	39.21	34.48	30.70	27.60	25.02	22.92
135.0	83.52	62.34	51.88	46.83	38.06	35.22	31.27	28.12	25.44
180.0	89.62	78.79	63.92	52.93	45.10	39.05	34.48	30.64	27.60
225.0	71.49	58.76	49.41	42.26	36.85	32.64	29.22	26.44	24.97
270.0	93.40	74.85	60.87	50.83	43.15	37.37	32.96	29.54	26.60
315.0	68.86	58.13	48.25	39.95	35.80	31.70	28.33	25.65	23.44
360.0	59.55	49.72	42.31	36.74	32.64	29.17	26.39	24.07	22.50
C/ γ (°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	20.39	18.87	17.82	16.66	15.51	14.56	13.82	13.04	12.25
45.0	22.71	20.81	19.19	17.87	16.61	15.45	14.56	13.67	13.25
90.0	21.76	19.40	18.55	17.24	16.03	15.03	14.14	13.30	12.46
135.0	23.18	21.34	19.71	18.19	16.93	15.93	14.93	13.98	13.19
180.0	25.07	22.86	20.97	19.40	17.98	16.82	15.72	14.77	13.93
225.0	21.97	20.29	19.24	17.87	16.71	15.66	14.72	13.82	13.09
270.0	24.23	22.13	20.34	18.82	17.56	16.35	15.30	14.40	13.56
315.0	21.45	19.76	18.29	17.03	15.93	14.88	14.03	13.19	12.46
360.0	20.39	18.87	17.82	16.66	15.51	14.56	13.82	13.04	12.25
C/ γ (°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	11.62	11.04	10.41	9.83	9.36	8.83	8.30	7.83	7.36
45.0	12.46	11.72	11.09	10.51	10.04	9.41	8.88	8.46	7.94
90.0	11.77	11.14	10.51	9.93	9.41	8.83	8.41	7.88	7.36
135.0	12.46	11.77	11.14	10.51	10.04	9.46	9.20	8.46	8.09
180.0	13.14	12.40	12.04	11.14	10.72	10.20	9.41	9.15	8.62
225.0	12.30	11.62	11.04	10.46	9.88	9.36	8.83	8.36	7.83
270.0	12.88	12.09	11.41	10.83	10.46	9.83	9.20	8.73	8.30
315.0	11.72	11.14	10.57	9.93	9.46	9.15	8.46	8.20	7.73
360.0	11.62	11.04	10.41	9.83	9.36	8.83	8.30	7.83	7.36
C/ γ (°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	6.89	6.52	5.99	5.52	5.10	4.84	4.36	3.89	3.42
45.0	7.46	6.94	6.57	6.10	5.68	5.15	4.78	4.26	3.84
90.0	6.94	6.52	5.99	5.68	5.10	4.78	4.26	3.73	3.42
135.0	7.67	7.15	6.73	6.36	5.83	5.41	4.89	4.52	3.99
180.0	8.20	7.67	7.15	6.73	6.25	5.83	5.41	4.94	4.47
225.0	7.41	6.94	6.52	6.20	5.57	5.26	4.84	4.31	3.89
270.0	7.83	7.36	6.83	6.47	6.04	5.57	5.15	4.68	4.21
315.0	7.04	6.78	6.41	5.99	5.52	5.05	4.68	4.10	3.68
360.0	6.89	6.52	5.99	5.52	5.10	4.84	4.36	3.89	3.42
C/ γ (°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	2.94	2.52	2.21	2.00	1.58	1.37	1.16	0.89	0.79
45.0	3.36	3.00	2.47	2.21	1.89	1.68	1.37	1.16	0.89
90.0	3.05	2.63	2.26	2.00	1.73	1.42	1.16	1.00	0.84
135.0	3.47	3.15	2.63	2.21	1.94	1.58	1.37	1.16	0.95
180.0	3.94	3.47	2.94	2.47	2.16	1.73	1.52	1.21	1.00
225.0	3.31	2.89	2.52	2.16	1.89	1.52	1.31	1.05	0.84
270.0	3.78	3.31	2.89	2.42	2.10	1.73	1.52	1.21	1.05
315.0	3.31	2.94	2.42	2.10	1.84	1.52	1.31	1.05	0.89
360.0	2.94	2.52	2.21	2.00	1.58	1.37	1.16	0.89	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	0.95
135.0	0.89
180.0	0.68
225.0	0.58
270.0	0.84
315.0	0.79
360.0	0.79