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Nata

Client:

LumCAT: 2-2565-L

Luminaire: 92.70.412.00

Report No: 2024819-B002

Ballast type: AC

Test No: 2024819-C002

Voltage(V): 36.630

LampCAT: CREE CXA1830 LES14

Current(A): 0.795

Lamp flux(lm): 3681.0

Power (W): 29.120

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 3355.10, Efficiency(%): 91.15% , Luminous Efficacy(lm/W): 115.22

Central intensity(cd): 10364.920, Maximum intensity(cd): 10364.920

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=25.6

[C90/270]Total=25.6

Field angle(10%Imax): [C0/180]Total=62.4

[C90/270]Total=62.4

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

Maximum s/h(1/4): C0_180=0.49 C90_270=0.49

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 91.15%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 99.030%

Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2024/8/19
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	10364.918	0.000	0	0.00%	0.00%
1.0	10315.121	9.895	9.895	0.27%	0.29%
2.0	10141.146	29.361	39.256	0.80%	1.17%
3.0	9894.805	47.919	87.175	1.30%	2.60%
4.0	9579.174	65.186	152.361	1.77%	4.54%
5.0	9101.755	80.364	232.725	2.18%	6.94%
6.0	8650.460	93.293	326.018	2.53%	9.72%
7.0	8150.689	104.284	430.302	2.83%	12.83%
8.0	7586.549	112.628	542.931	3.06%	16.18%
9.0	7072.994	118.808	661.738	3.23%	19.72%
10.0	6548.624	123.271	785.009	3.35%	23.40%
11.0	6045.016	125.836	910.845	3.42%	27.15%
12.0	5563.984	126.903	1037.748	3.45%	30.93%
13.0	5113.300	126.712	1164.461	3.44%	34.71%
14.0	4686.098	125.431	1289.892	3.41%	38.45%
15.0	4311.406	123.522	1413.414	3.36%	42.13%
16.0	3975.854	121.432	1534.845	3.30%	45.75%
17.0	3611.760	118.160	1653.005	3.21%	49.27%
18.0	3323.487	114.347	1767.352	3.11%	52.68%
19.0	3081.621	111.436	1878.788	3.03%	56.00%
20.0	2835.694	108.303	1987.091	2.94%	59.23%
21.0	2615.556	104.675	2091.766	2.84%	62.35%
22.0	2433.217	101.457	2193.224	2.76%	65.37%
23.0	2247.684	98.218	2291.441	2.67%	68.30%
24.0	2096.685	94.983	2386.425	2.58%	71.13%
25.0	1959.694	92.233	2478.658	2.51%	73.88%
26.0	1805.016	88.866	2567.525	2.41%	76.53%
27.0	1658.557	84.737	2652.262	2.30%	79.05%
28.0	1480.751	79.481	2731.742	2.16%	81.42%
29.0	1359.766	74.316	2806.058	2.02%	83.64%
30.0	1208.596	69.345	2875.403	1.88%	85.70%
31.0	1066.697	63.318	2938.722	1.72%	87.59%
32.0	929.640	57.193	2995.914	1.55%	89.29%
33.0	786.072	50.546	3046.46	1.37%	90.80%
34.0	649.383	43.441	3089.901	1.18%	92.10%
35.0	522.721	36.401	3126.302	0.99%	93.18%
36.0	411.242	29.738	3156.04	0.81%	94.07%
37.0	321.512	23.898	3179.938	0.65%	94.78%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	263.141	19.515	3199.453	0.53%	95.36%
39.0	203.870	15.940	3215.393	0.43%	95.84%
40.0	171.465	13.090	3228.484	0.36%	96.23%
41.0	124.580	10.542	3239.026	0.29%	96.54%
42.0	107.950	8.448	3247.474	0.23%	96.79%
43.0	95.486	7.536	3255.01	0.20%	97.02%
44.0	83.298	6.748	3261.758	0.18%	97.22%
45.0	74.415	6.061	3267.819	0.16%	97.40%
46.0	66.038	5.493	3273.312	0.15%	97.56%
47.0	59.146	4.979	3278.291	0.14%	97.71%
48.0	53.482	4.553	3282.844	0.12%	97.85%
49.0	48.837	4.202	3287.045	0.11%	97.97%
50.0	45.066	3.915	3290.961	0.11%	98.09%
51.0	41.965	3.682	3294.643	0.10%	98.20%
52.0	39.527	3.497	3298.139	0.09%	98.30%
53.0	37.247	3.340	3301.479	0.09%	98.40%
54.0	35.677	3.214	3304.693	0.09%	98.50%
55.0	34.369	3.127	3307.82	0.08%	98.59%
56.0	33.187	3.053	3310.873	0.08%	98.68%
57.0	32.372	2.997	3313.87	0.08%	98.77%
58.0	31.386	2.948	3316.819	0.08%	98.86%
59.0	30.539	2.895	3319.714	0.08%	98.95%
60.0	29.494	2.836	3322.55	0.08%	99.03%
61.0	28.187	2.753	3325.302	0.07%	99.11%
62.0	26.741	2.647	3327.949	0.07%	99.19%
63.0	25.007	2.517	3330.466	0.07%	99.27%
64.0	23.200	2.365	3332.831	0.06%	99.34%
65.0	20.979	2.186	3335.018	0.06%	99.40%
66.0	19.146	2.002	3337.02	0.05%	99.46%
67.0	17.096	1.822	3338.842	0.05%	99.52%
68.0	15.237	1.638	3340.48	0.04%	99.56%
69.0	13.666	1.474	3341.955	0.04%	99.61%
70.0	12.286	1.333	3343.287	0.04%	99.65%
71.0	11.183	1.213	3344.5	0.03%	99.68%
72.0	10.269	1.115	3345.616	0.03%	99.72%
73.0	9.474	1.032	3346.648	0.03%	99.75%
74.0	8.752	0.958	3347.606	0.03%	99.78%
75.0	8.095	0.890	3348.497	0.02%	99.80%

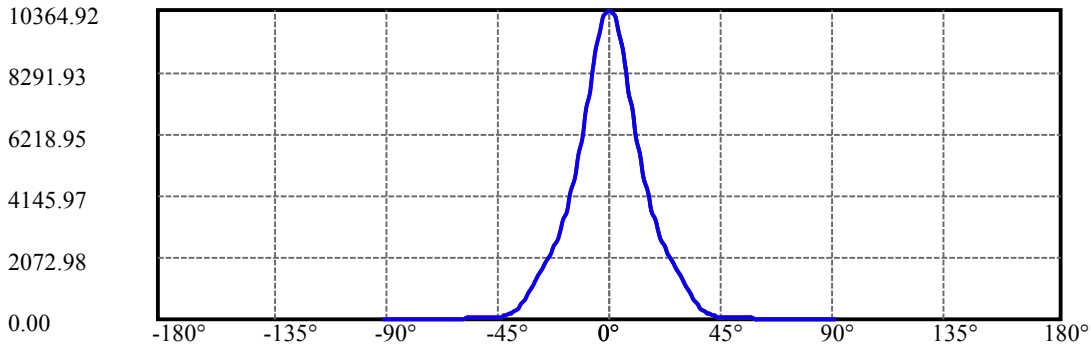
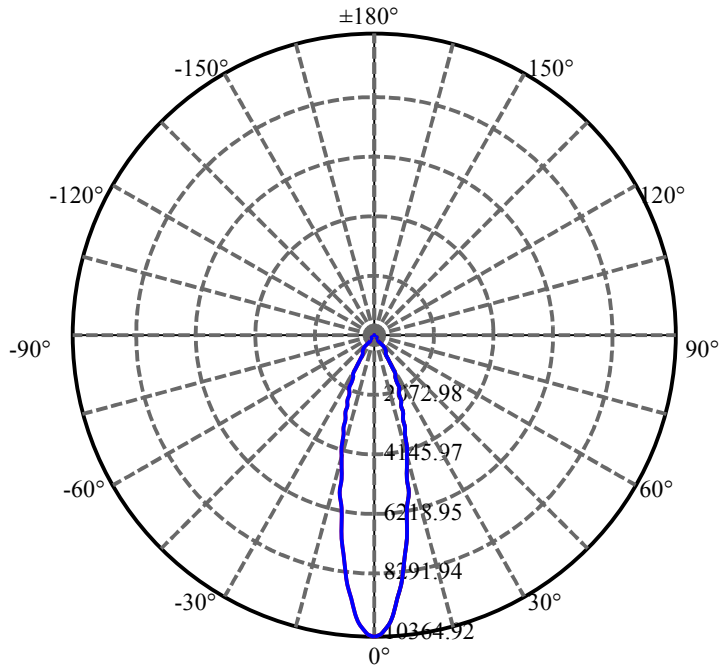
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	7.523	0.829	3349.326	0.02%	99.83%
77.0	6.853	0.766	3350.092	0.02%	99.85%
78.0	6.321	0.705	3350.797	0.02%	99.87%
79.0	5.683	0.645	3351.442	0.02%	99.89%
80.0	5.131	0.583	3352.025	0.02%	99.91%
81.0	4.593	0.526	3352.551	0.01%	99.92%
82.0	4.034	0.468	3353.019	0.01%	99.94%
83.0	3.535	0.411	3353.43	0.01%	99.95%
84.0	3.075	0.360	3353.791	0.01%	99.96%
85.0	2.674	0.314	3354.104	0.01%	99.97%
86.0	2.286	0.271	3354.375	0.01%	99.98%
87.0	1.951	0.232	3354.607	0.01%	99.99%
88.0	1.616	0.195	3354.803	0.01%	99.99%
89.0	1.340	0.162	3354.965	0.00%	100.00%
90.0	1.071	0.132	3355.097	0.00%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	2875.40	78.11%	85.70%
0-40	3228.48	87.71%	96.23%
0-60	3322.55	90.26%	99.03%
0-90	3354.96	91.14%	100.00%
0-120	3354.96	91.14%	100.00%
0-180	3355.10	91.15%	100.00%
60-90	32.42	0.88%	0.97%
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%
0-27.40	2684.08	72.92%	80.00%

ZONAL LUMEN SUMMARY

0-10	785.01
10-20	1202.08
20-30	888.31
30-40	353.08
40-50	62.48
50-60	31.59
60-70	20.74
70-80	8.74
80-90	2.94
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: ———

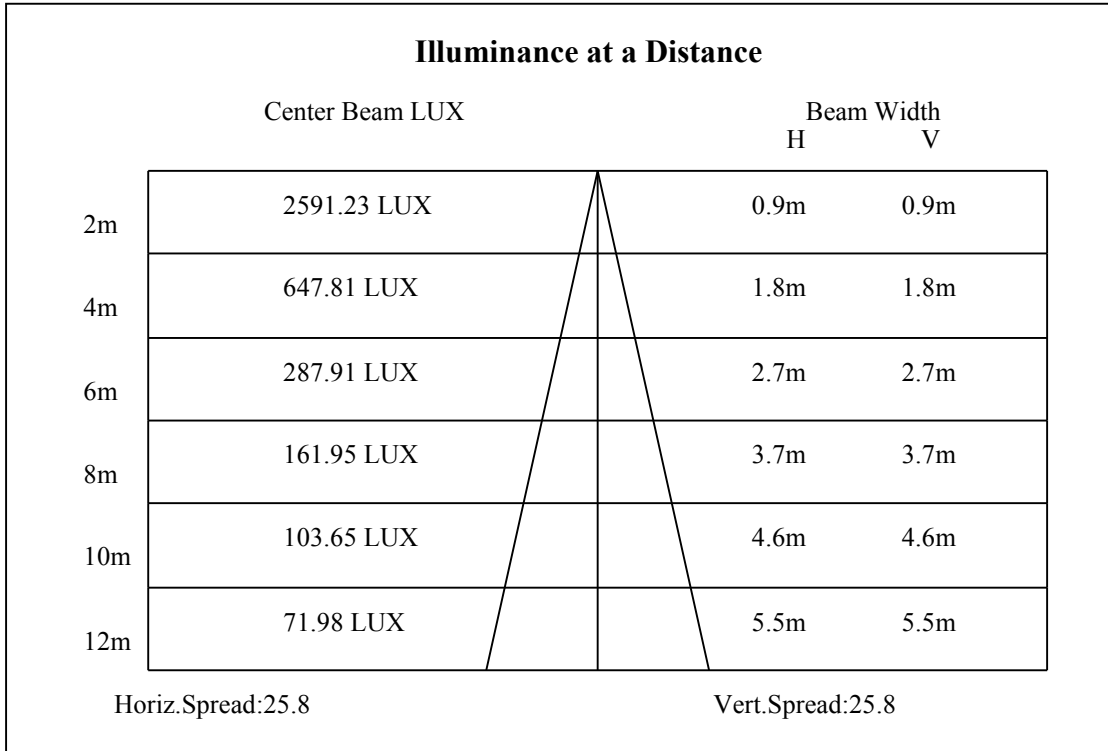
C90/C270: ———

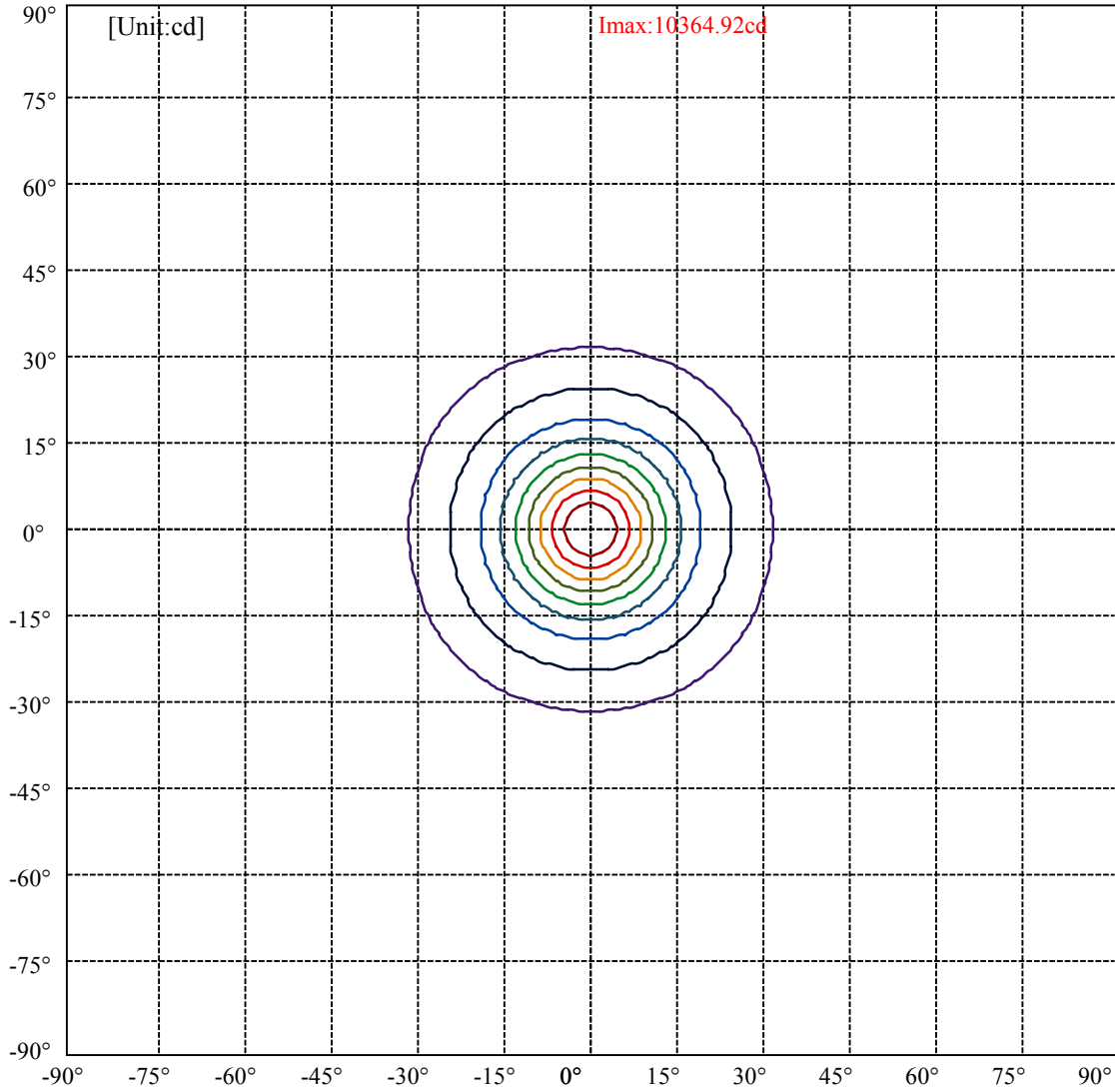
Field angle(10%Imax):C0/180Left:31.2 Right:31.2

:C90/270Left:31.2 Right:31.2

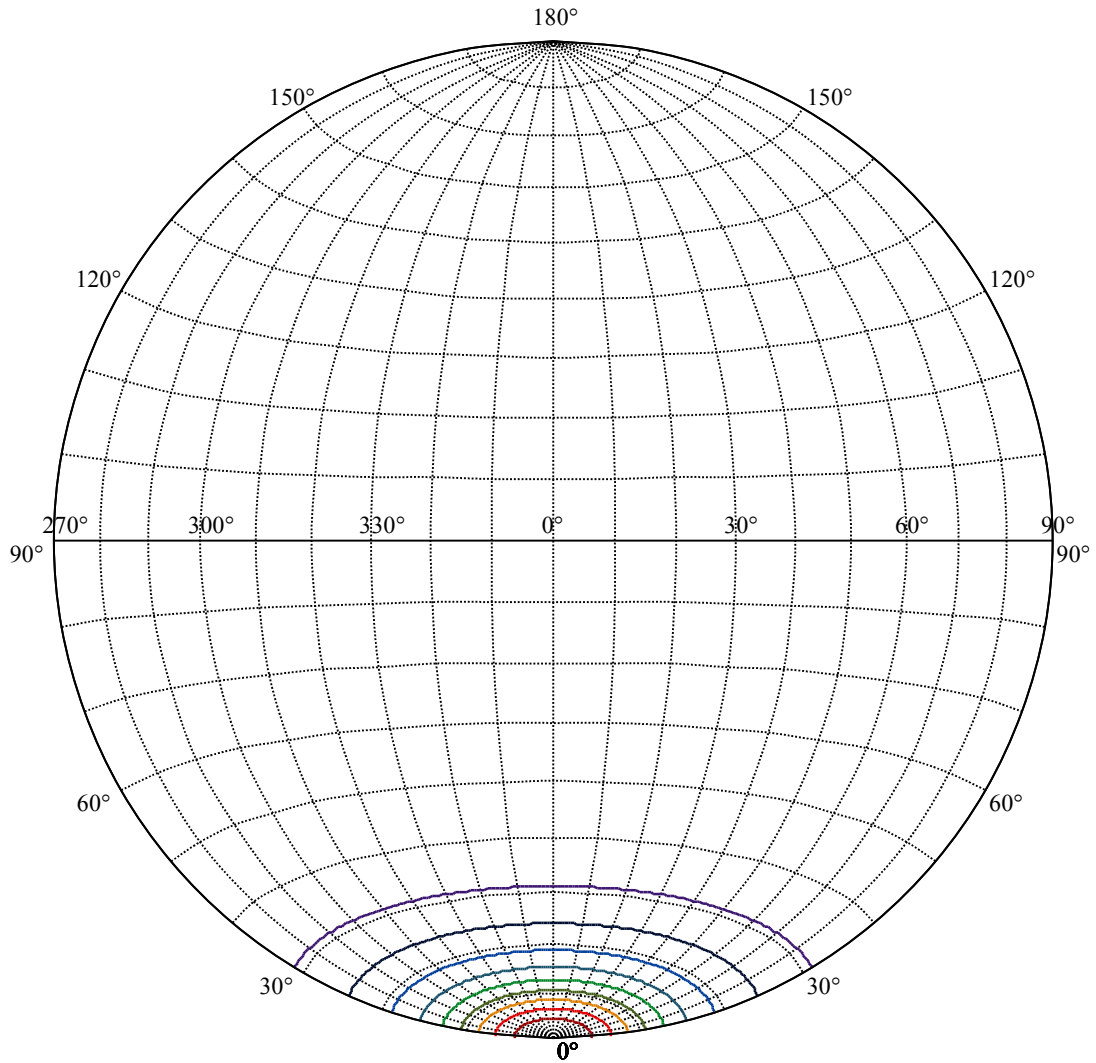
Beam Angle(50%Imax):C0/180Left:12.8 Right:12.8

:C90/270Left:12.8 Right:12.8





(10%I _{max}) 1036.49	—
(20%I _{max}) 2072.98	—
(30%I _{max}) 3109.48	—
(40%I _{max}) 4145.97	—
(50%I _{max}) 5182.46	—
(60%I _{max}) 6218.95	—
(70%I _{max}) 7255.44	—
(80%I _{max}) 8291.93	—
(90%I _{max}) 9328.43	—



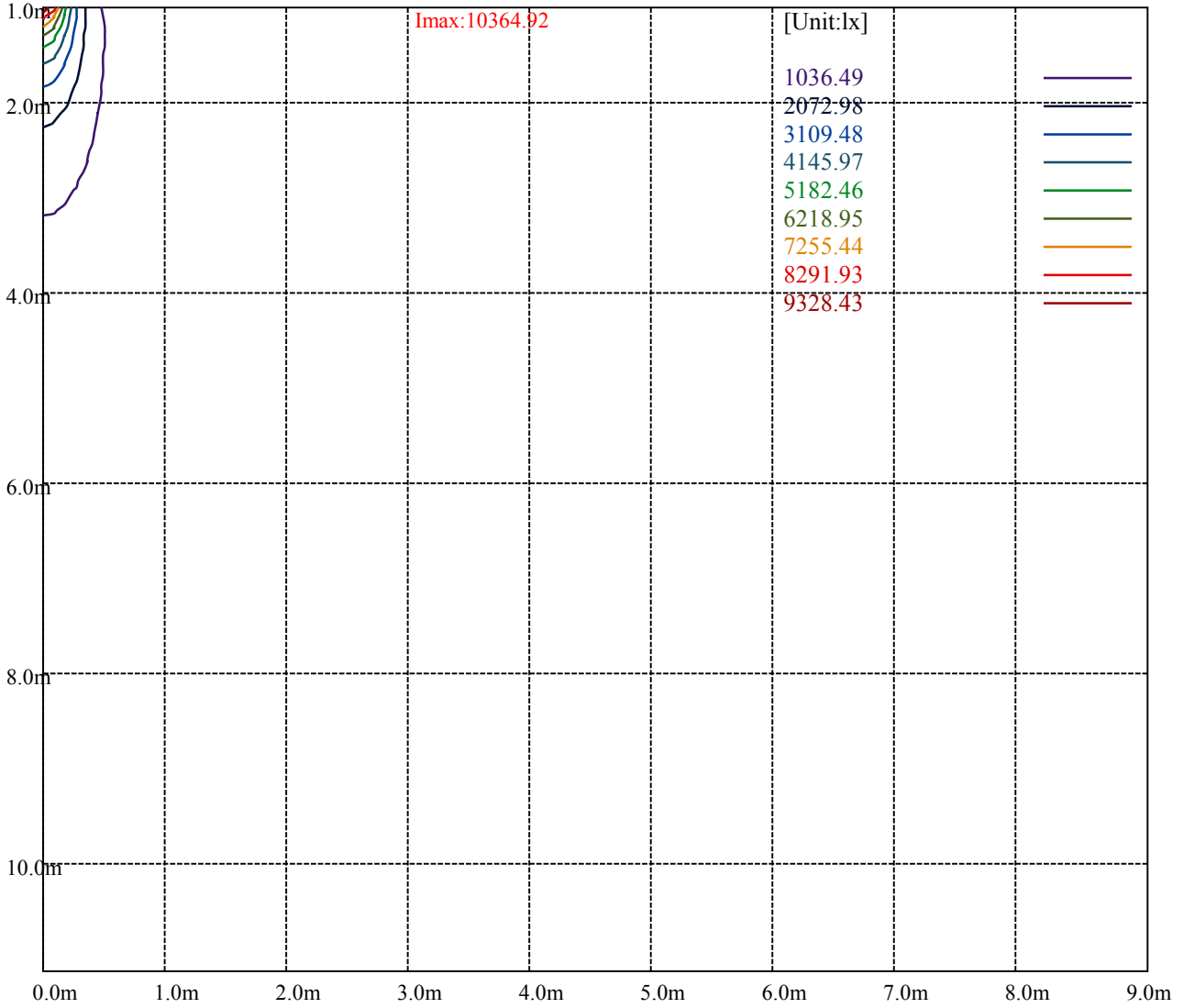
House

[Unit:cd]

Road

I_{max}:10364.92

(10%I _{max}) 1036.49	—
(20%I _{max}) 2072.98	—
(30%I _{max}) 3109.48	—
(40%I _{max}) 4145.97	—
(50%I _{max}) 5182.46	—
(60%I _{max}) 6218.95	—
(70%I _{max}) 7255.44	—
(80%I _{max}) 8291.93	—
(90%I _{max}) 9328.43	—



Luminance Table

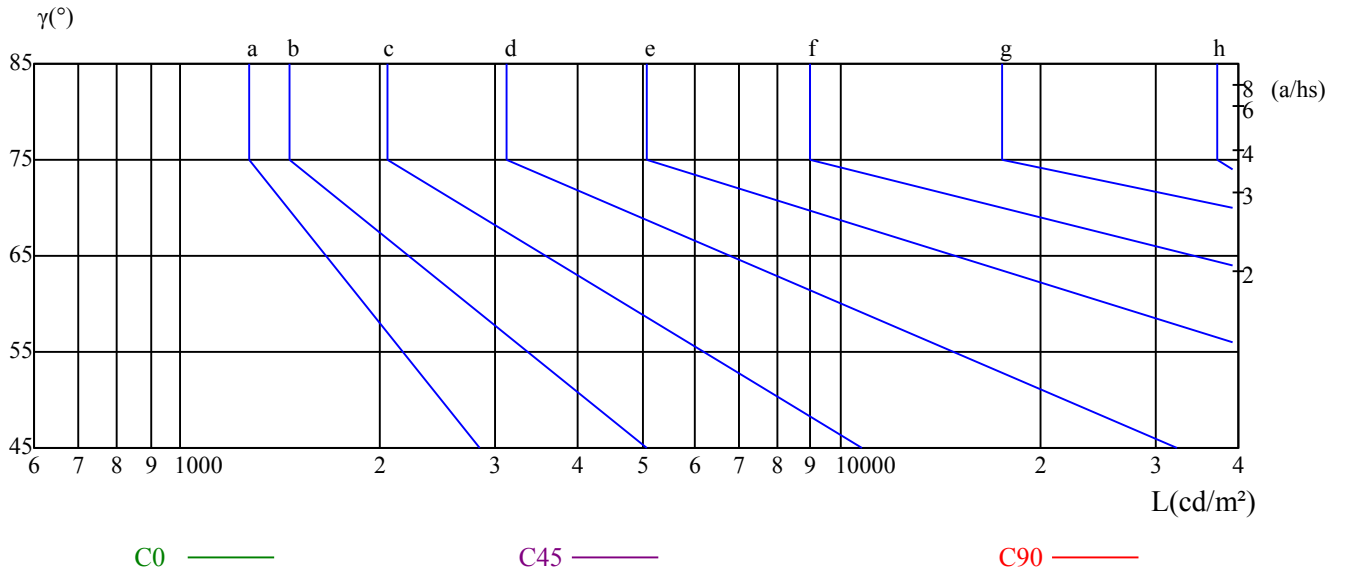
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

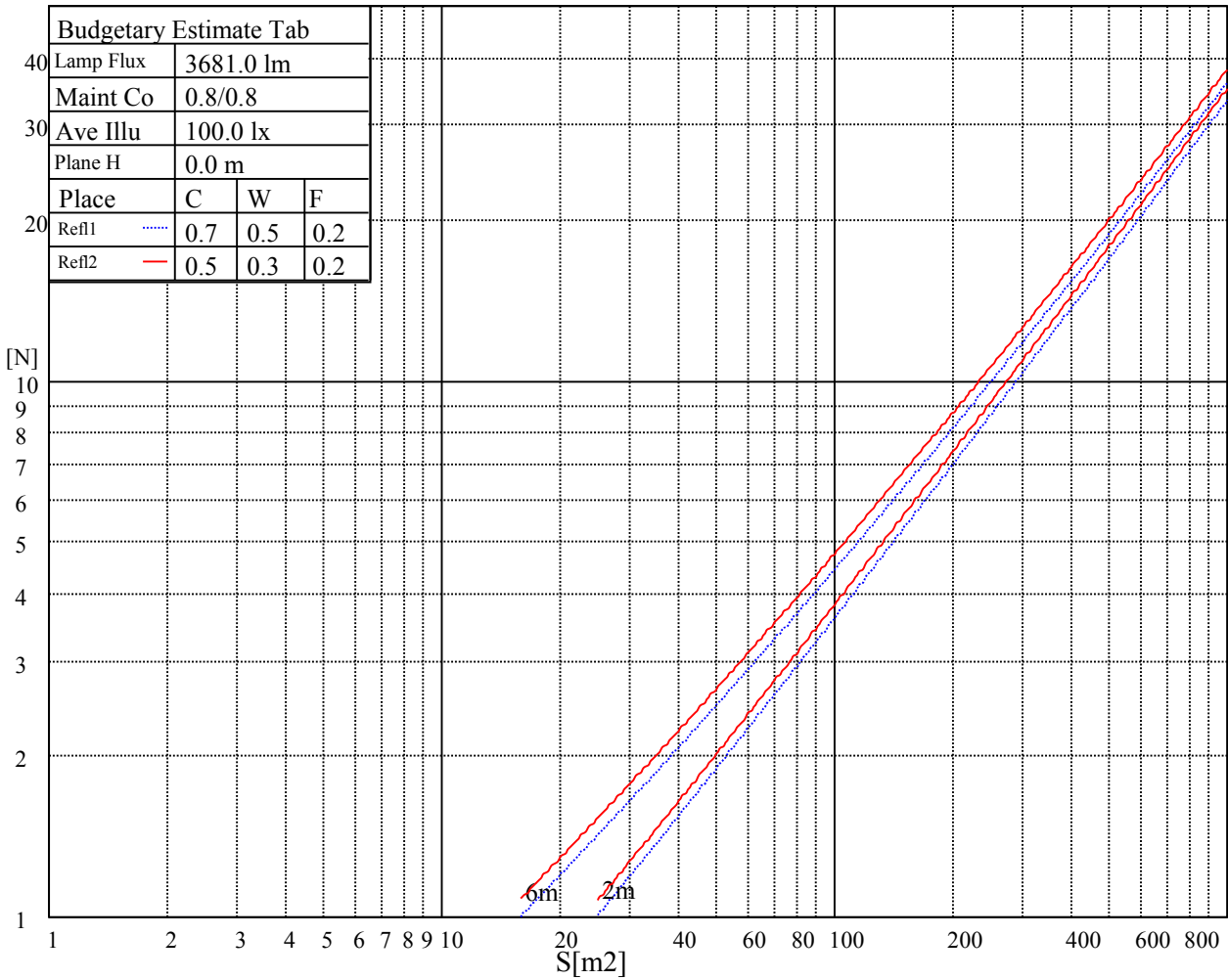
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

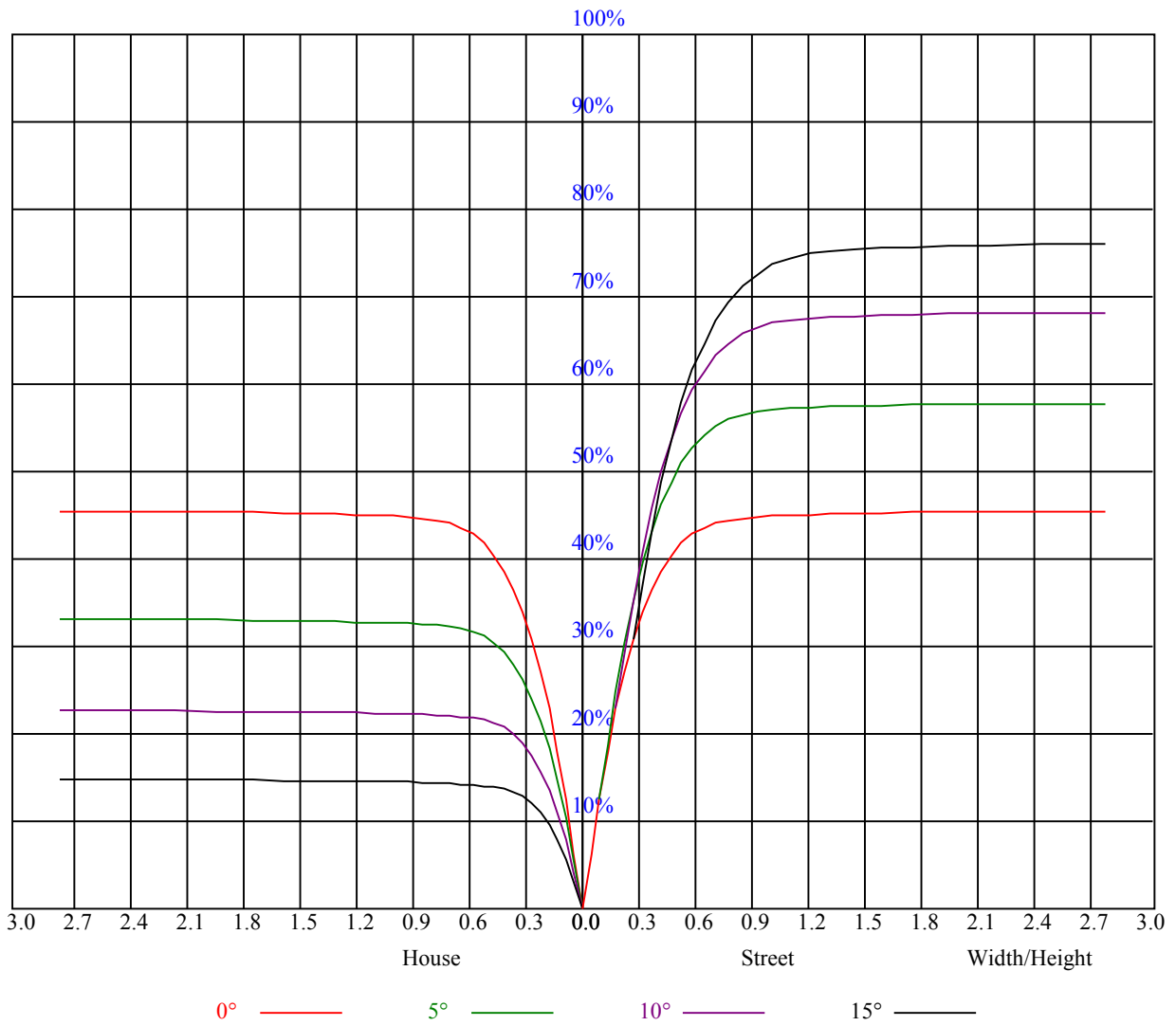


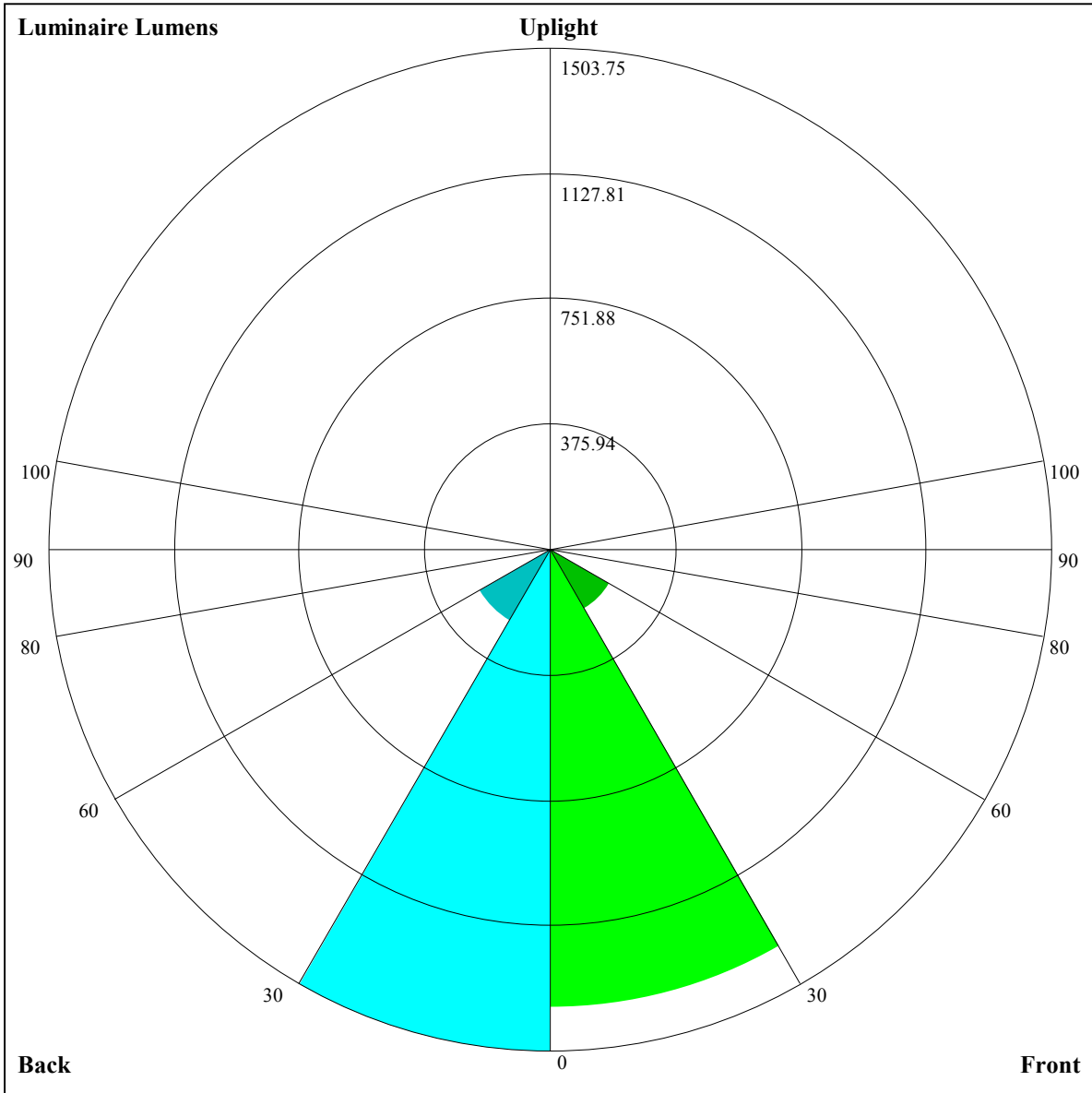
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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	
8H	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	1.09	1.09	1.09	1.06	1.06	1.06	1.01	1.01	1.01	0.97	0.97	0.97	0.93	0.93	0.93	0.91
1	1.02	1.00	0.98	1.00	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.87
2	0.96	0.93	0.90	0.94	0.92	0.89	0.92	0.89	0.87	0.89	0.87	0.85	0.86	0.85	0.84	0.82
3	0.91	0.87	0.84	0.90	0.86	0.83	0.87	0.84	0.82	0.85	0.83	0.81	0.83	0.81	0.79	0.78
4	0.86	0.82	0.79	0.85	0.81	0.78	0.83	0.80	0.77	0.82	0.79	0.76	0.80	0.78	0.76	0.74
5	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
6	0.78	0.74	0.70	0.78	0.73	0.70	0.76	0.72	0.70	0.75	0.72	0.69	0.74	0.71	0.69	0.68
7	0.75	0.70	0.67	0.74	0.70	0.67	0.73	0.69	0.66	0.72	0.69	0.66	0.71	0.68	0.66	0.65
8	0.72	0.67	0.64	0.71	0.67	0.64	0.70	0.66	0.64	0.69	0.66	0.63	0.69	0.65	0.63	0.62
9	0.69	0.64	0.61	0.68	0.64	0.61	0.68	0.64	0.61	0.67	0.63	0.61	0.66	0.63	0.61	0.60
10	0.66	0.62	0.59	0.66	0.62	0.59	0.65	0.61	0.59	0.64	0.61	0.58	0.64	0.61	0.58	0.57





Luminaire Lumens:

FL=1371.15,FM=206.89,FH=14.14,FVH=1.42

BL=1503.75,BM=249,BH=15.35,BVH=1.66

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	10229.24	10025.30	9605.80	9251.42	8761.70	8126.53	7673.55	7116.91	6593.18
45.0	10473.87	10346.24	10108.35	9775.73	9363.43	8899.30	8372.21	7810.63	7254.57
90.0	10316.18	10084.96	9749.56	9328.85	9050.26	8548.29	7984.45	7411.10	6850.05
135.0	10440.38	10464.93	10362.96	10139.52	9825.30	9429.71	8968.37	8445.80	7883.59
180.0	10229.24	10396.39	10457.10	10388.61	10196.39	9901.62	9525.01	9084.27	8574.47
225.0	10473.87	10470.50	10340.67	10103.88	9911.08	9360.07	8892.05	8586.19	7833.44
270.0	10316.18	10437.65	10458.78	10336.78	10088.85	9774.58	9332.79	8869.24	8347.71
315.0	10440.38	10295.00	10045.96	9833.66	9436.39	8773.94	8455.26	7881.38	7355.39
360.0	10229.24	10025.30	9605.80	9251.42	8761.70	8126.53	7673.55	7116.91	6593.18
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	6090.63	5619.30	5175.20	4747.34	4366.79	4002.95	3651.94	3349.97	3059.14
45.0	6697.93	6186.45	5692.83	5225.92	4785.76	4375.67	3992.91	3709.86	3337.72
90.0	6324.11	5838.80	5355.75	4913.33	4497.72	4121.06	3775.62	3473.07	3192.28
135.0	7321.43	6768.16	6244.95	5742.40	5271.60	4834.23	4434.17	4211.31	3862.56
180.0	8027.92	7458.46	6910.23	6369.79	5857.72	5368.00	4919.48	4664.87	4109.91
225.0	7509.76	6968.74	6448.89	5940.77	5459.93	4987.45	4556.22	4161.74	3781.77
270.0	7793.86	7251.21	6718.54	6217.67	5739.61	5277.75	5006.95	4435.33	4067.02
315.0	6818.30	6297.88	5813.73	5354.65	4927.26	4521.69	4153.96	3800.69	3483.68
360.0	6090.63	5619.30	5175.20	4747.34	4366.79	4002.95	3651.94	3349.97	3059.14
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2812.83	2596.69	2403.32	2237.32	2086.89	1945.92	1817.77	1730.30	1516.90
45.0	3118.17	2869.70	2653.51	2459.61	2277.95	2111.96	1959.85	1822.76	1687.94
90.0	2946.55	2724.26	2511.96	2328.68	2158.16	2002.16	1857.30	1718.01	1600.48
135.0	3438.01	3266.39	3018.45	2792.80	2591.12	2401.69	2223.39	2065.71	1918.58
180.0	3766.73	3573.93	3279.22	3020.66	2808.41	2591.65	2420.03	2238.95	2082.42
225.0	3454.14	3153.86	2891.41	2663.55	2466.86	2285.79	2120.84	2023.92	1825.55
270.0	3849.73	3526.00	3213.99	2944.92	2712.54	2507.55	2323.10	2162.63	2020.03
315.0	3201.74	2942.13	2713.70	2476.90	2363.79	2134.77	2051.20	1915.27	1788.23
360.0	2812.83	2596.69	2403.32	2237.32	2086.89	1945.92	1817.77	1730.30	1516.90
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1367.57	1078.32	1078.32	986.55	841.37	701.71	567.41	439.74	329.88
45.0	1543.66	1387.65	1230.49	1081.74	932.41	790.91	654.98	527.94	410.36
90.0	1415.51	1075.74	1075.74	979.77	833.27	696.40	561.95	437.58	329.78
135.0	1779.87	1630.54	1466.18	1301.82	1144.13	989.28	837.69	695.09	559.69
180.0	1931.99	1788.23	1648.36	1494.61	1339.71	1183.71	1029.38	878.37	732.98
225.0	1684.05	1607.73	1461.71	1255.03	1063.87	1004.15	864.71	724.84	592.06
270.0	1897.45	1782.66	1644.47	1499.61	1338.61	1182.03	1029.91	885.63	747.44
315.0	1648.36	1495.14	1272.85	1069.65	1040.21	888.94	742.55	605.89	479.58
360.0	1367.57	1078.32	1078.32	986.55	841.37	701.71	567.41	439.74	329.88
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	241.26	176.50	140.29	122.63	108.07	95.56	86.10	73.90	66.96
45.0	307.28	307.28	288.88	142.76	122.26	107.33	94.67	83.47	73.59
90.0	240.68	175.09	138.03	119.11	109.91	91.77	81.21	75.27	63.13
135.0	438.21	329.57	329.57	290.57	147.23	125.78	109.65	95.30	83.78
180.0	594.22	470.54	358.53	300.03	300.03	157.42	131.56	114.17	99.45
225.0	469.91	359.79	267.81	198.84	156.01	132.98	115.69	107.17	90.30
270.0	611.51	486.15	375.24	297.24	297.24	167.73	140.71	123.15	108.70
315.0	386.86	267.18	206.78	159.79	130.99	118.06	104.02	91.46	80.47
360.0	241.26	176.50	140.29	122.63	108.07	95.56	86.10	73.90	66.96

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	59.61	53.93	49.25	45.47	42.10	39.37	37.27	35.53	34.01
45.0	65.12	57.98	52.35	47.78	43.89	40.84	38.37	36.69	34.74
90.0	58.71	52.77	47.88	43.84	40.53	37.74	35.58	33.85	32.54
135.0	73.64	64.60	57.56	51.88	47.31	43.47	40.26	38.58	35.58
180.0	87.15	76.37	67.12	59.45	53.35	48.46	44.52	41.10	38.32
225.0	83.73	74.27	66.23	59.50	54.14	49.72	45.89	42.68	39.95
270.0	95.93	84.57	74.95	66.91	60.55	55.40	51.14	47.52	44.47
315.0	71.43	63.81	57.82	53.04	48.83	45.52	42.68	40.26	38.37
360.0	59.61	53.93	49.25	45.47	42.10	39.37	37.27	35.53	34.01
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	32.90	32.12	31.54	30.70	29.96	29.01	27.39	25.76	23.55
45.0	33.59	32.96	32.17	31.64	30.91	30.22	29.17	27.60	25.97
90.0	31.54	30.85	30.28	29.70	28.96	28.23	27.02	25.49	23.60
135.0	33.96	33.11	31.64	31.17	30.64	29.96	29.22	28.54	27.39
180.0	36.06	34.85	32.69	31.96	30.85	29.75	29.28	28.54	27.75
225.0	37.79	36.06	34.53	33.27	32.33	31.22	30.07	28.96	27.33
270.0	42.89	39.68	38.58	36.85	35.01	34.27	33.06	31.80	30.49
315.0	36.69	35.32	34.06	33.69	32.43	31.64	30.75	28.80	27.86
360.0	32.90	32.12	31.54	30.70	29.96	29.01	27.39	25.76	23.55
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	21.50	19.03	16.93	15.93	13.77	12.19	11.09	10.14	9.36
45.0	23.76	21.55	19.13	16.98	15.09	13.14	11.83	10.78	10.04
90.0	21.50	19.71	17.08	15.77	13.61	12.14	11.14	10.25	9.51
135.0	26.07	24.49	22.44	20.45	18.40	16.66	14.77	13.19	12.04
180.0	26.65	25.39	23.97	21.87	19.97	17.98	16.08	14.30	12.67
225.0	25.55	24.55	21.55	20.18	18.08	16.19	14.40	12.83	11.62
270.0	29.01	27.07	25.12	22.86	20.55	18.24	16.40	14.51	12.93
315.0	26.02	23.81	21.60	19.13	17.29	15.35	13.61	12.30	11.30
360.0	21.50	19.03	16.93	15.93	13.77	12.19	11.09	10.14	9.36
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	8.67	7.99	7.36	6.68	6.10	5.52	4.94	4.36	3.94
45.0	9.30	8.88	7.99	7.46	6.99	6.47	5.83	5.20	4.68
90.0	8.83	8.20	7.62	6.99	6.36	5.73	5.15	4.63	4.05
135.0	11.14	10.30	9.57	8.88	8.41	7.73	6.89	6.36	5.73
180.0	11.51	10.41	9.57	8.88	8.52	7.62	7.31	6.62	5.99
225.0	10.62	9.72	9.15	8.46	7.78	7.10	6.57	5.99	5.41
270.0	11.62	10.67	9.88	9.15	8.46	7.78	7.31	6.57	6.10
315.0	10.46	9.62	8.88	8.25	7.57	6.89	6.57	5.73	5.15
360.0	8.67	7.99	7.36	6.68	6.10	5.52	4.94	4.36	3.94
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	3.42	3.00	2.63	2.26	1.94	1.58	1.31	0.95	0.89
45.0	4.10	3.42	3.00	2.52	2.16	1.84	1.47	1.21	0.95
90.0	3.63	3.21	2.79	2.37	2.05	1.79	1.42	1.05	0.95
135.0	5.10	4.52	4.05	3.47	3.00	2.68	2.31	1.94	1.52
180.0	5.52	4.73	4.10	3.68	3.26	2.73	2.37	2.05	1.79
225.0	4.84	4.36	3.73	3.26	2.89	2.42	2.10	1.79	1.47
270.0	5.52	4.89	4.36	3.78	3.21	2.89	2.47	2.10	1.73
315.0	4.63	4.15	3.63	3.26	2.89	2.37	2.16	1.84	1.42
360.0	3.42	3.00	2.63	2.26	1.94	1.58	1.31	0.95	0.89

Intensity data(cd)

C/γ(°)	90.0
0.0	0.89
45.0	0.95
90.0	0.95
135.0	0.89
180.0	1.42
225.0	1.31
270.0	1.31
315.0	0.84
360.0	0.89