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Nata

Client:

LumCAT: 2-2763-L

Luminaire: 92.70.412.00

Report No: 2024814-B026

Ballast type: AC

Test No: 2024814-C026

Voltage(V): 34.610

LampCAT: LUMINUS CXM-14-AC40

Current(A): 0.694

Lamp flux(lm): 3147.0

Power (W): 24.010

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 2912.37, Efficiency(%): 92.54% , Luminous Efficacy(lm/W): 121.30

Central intensity(cd): 4329.166, Maximum intensity(cd): 4337.661

Angle of maximum intensity: C=0.0 γ =2.0

Beam Angle(50%Imax): [C0/180]Total=49.8

[C90/270]Total=49.8

Field angle(10%Imax): [C0/180]Total=74.2

[C90/270]Total=74.2

Maximum s/h(1/2): C0_180=0.79 C90_270=0.79

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(%): 92.54%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 99.187%

Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2024/8/14
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	4329.166	0.000	0	0.00%	0.00%
1.0	4334.192	4.145	4.145	0.13%	0.14%
2.0	4337.661	12.447	16.592	0.40%	0.57%
3.0	4323.397	20.714	37.306	0.66%	1.28%
4.0	4296.019	28.852	66.158	0.92%	2.27%
5.0	4267.806	36.841	102.999	1.17%	3.54%
6.0	4230.894	44.663	147.662	1.42%	5.07%
7.0	4180.532	52.210	199.872	1.66%	6.86%
8.0	4135.204	59.514	259.386	1.89%	8.91%
9.0	4077.405	66.559	325.945	2.11%	11.19%
10.0	4009.284	73.182	399.126	2.33%	13.70%
11.0	3935.873	79.388	478.515	2.52%	16.43%
12.0	3860.170	85.222	563.737	2.71%	19.36%
13.0	3772.430	90.580	654.316	2.88%	22.47%
14.0	3678.823	95.375	749.692	3.03%	25.74%
15.0	3580.971	99.666	849.357	3.17%	29.16%
16.0	3455.748	103.108	952.465	3.28%	32.70%
17.0	3331.017	105.688	1058.153	3.36%	36.33%
18.0	3202.311	107.720	1165.874	3.42%	40.03%
19.0	3055.360	108.871	1274.744	3.46%	43.77%
20.0	2901.923	109.035	1383.779	3.46%	47.51%
21.0	2749.617	108.521	1492.3	3.45%	51.24%
22.0	2596.601	107.434	1599.735	3.41%	54.93%
23.0	2448.677	105.864	1705.598	3.36%	58.56%
24.0	2301.232	103.850	1809.448	3.30%	62.13%
25.0	2160.825	101.457	1910.906	3.22%	65.61%
26.0	2038.045	99.115	2010.02	3.15%	69.02%
27.0	1891.383	96.134	2106.155	3.05%	72.32%
28.0	1749.162	92.171	2198.326	2.93%	75.48%
29.0	1606.238	87.787	2286.112	2.79%	78.50%
30.0	1412.453	81.504	2367.616	2.59%	81.30%
31.0	1285.547	75.081	2442.698	2.39%	83.87%
32.0	1118.320	68.868	2511.566	2.19%	86.24%
33.0	995.238	62.266	2573.832	1.98%	88.38%
34.0	855.179	55.999	2629.831	1.78%	90.30%
35.0	702.991	48.391	2678.222	1.54%	91.96%
36.0	566.335	40.416	2718.638	1.28%	93.35%
37.0	439.153	32.793	2751.431	1.04%	94.47%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	346.551	26.226	2777.657	0.83%	95.37%
39.0	258.581	20.655	2798.312	0.66%	96.08%
40.0	186.571	15.525	2813.837	0.49%	96.62%
41.0	152.977	12.091	2825.928	0.38%	97.03%
42.0	105.729	9.399	2835.327	0.30%	97.35%
43.0	81.564	6.938	2842.265	0.22%	97.59%
44.0	68.936	5.680	2847.945	0.18%	97.79%
45.0	58.036	4.880	2852.825	0.16%	97.96%
46.0	51.222	4.273	2857.098	0.14%	98.10%
47.0	44.225	3.796	2860.894	0.12%	98.23%
48.0	39.034	3.366	2864.26	0.11%	98.35%
49.0	34.626	3.025	2867.285	0.10%	98.45%
50.0	31.163	2.743	2870.028	0.09%	98.55%
51.0	28.009	2.503	2872.531	0.08%	98.63%
52.0	25.499	2.296	2874.827	0.07%	98.71%
53.0	23.515	2.132	2876.959	0.07%	98.78%
54.0	21.656	1.991	2878.95	0.06%	98.85%
55.0	20.053	1.862	2880.812	0.06%	98.92%
56.0	18.758	1.754	2882.566	0.06%	98.98%
57.0	17.523	1.659	2884.225	0.05%	99.03%
58.0	16.367	1.567	2885.792	0.05%	99.09%
59.0	15.434	1.487	2887.279	0.05%	99.14%
60.0	14.547	1.416	2888.695	0.05%	99.19%
61.0	13.771	1.351	2890.046	0.04%	99.23%
62.0	13.167	1.298	2891.344	0.04%	99.28%
63.0	13.219	1.283	2892.628	0.04%	99.32%
64.0	13.213	1.297	2893.925	0.04%	99.37%
65.0	13.042	1.299	2895.224	0.04%	99.41%
66.0	12.674	1.283	2896.507	0.04%	99.46%
67.0	12.431	1.262	2897.77	0.04%	99.50%
68.0	11.958	1.235	2899.005	0.04%	99.54%
69.0	11.728	1.208	2900.213	0.04%	99.58%
70.0	11.321	1.184	2901.397	0.04%	99.62%
71.0	10.558	1.131	2902.528	0.04%	99.66%
72.0	9.685	1.053	2903.58	0.03%	99.70%
73.0	8.844	0.969	2904.549	0.03%	99.73%
74.0	7.930	0.882	2905.431	0.03%	99.76%
75.0	7.109	0.795	2906.226	0.03%	99.79%

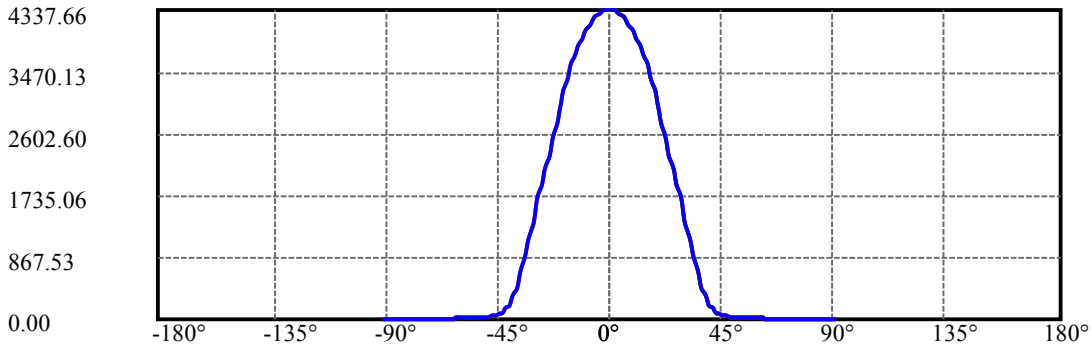
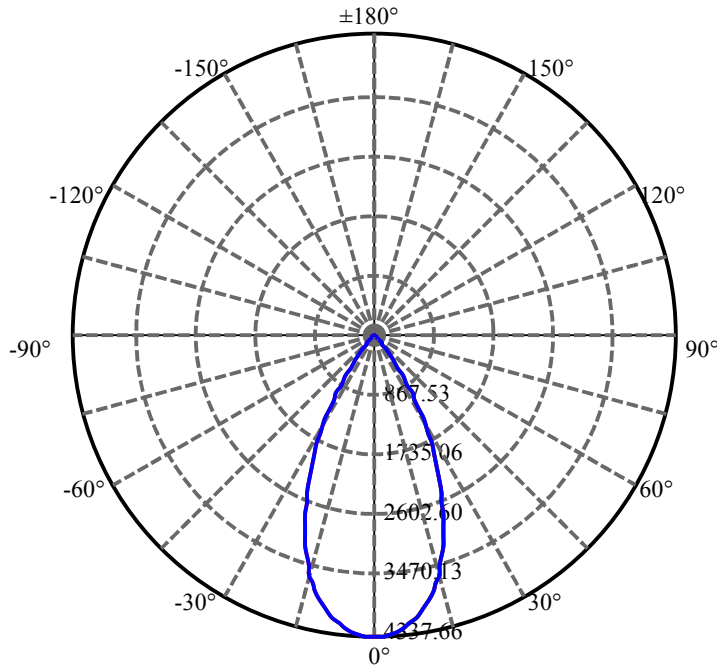
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	6.360	0.715	2906.941	0.02%	99.81%
77.0	5.834	0.650	2907.591	0.02%	99.84%
78.0	5.401	0.601	2908.192	0.02%	99.86%
79.0	4.980	0.558	2908.75	0.02%	99.88%
80.0	4.566	0.515	2909.265	0.02%	99.89%
81.0	4.172	0.473	2909.737	0.02%	99.91%
82.0	3.798	0.432	2910.17	0.01%	99.92%
83.0	3.410	0.392	2910.561	0.01%	99.94%
84.0	3.068	0.353	2910.914	0.01%	99.95%
85.0	2.746	0.317	2911.232	0.01%	99.96%
86.0	2.457	0.284	2911.516	0.01%	99.97%
87.0	2.155	0.252	2911.769	0.01%	99.98%
88.0	1.925	0.224	2911.992	0.01%	99.99%
89.0	1.689	0.198	2912.19	0.01%	99.99%
90.0	1.551	0.178	2912.368	0.01%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	2367.62	75.23%	81.30%
0-40	2813.84	89.41%	96.62%
0-60	2888.69	91.79%	99.19%
0-90	2912.19	92.54%	99.99%
0-120	2912.19	92.54%	99.99%
0-180	2912.37	92.54%	100.00%
60-90	23.50	0.75%	0.81%
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%
0-29.54	2329.89	74.04%	80.00%

ZONAL LUMEN SUMMARY

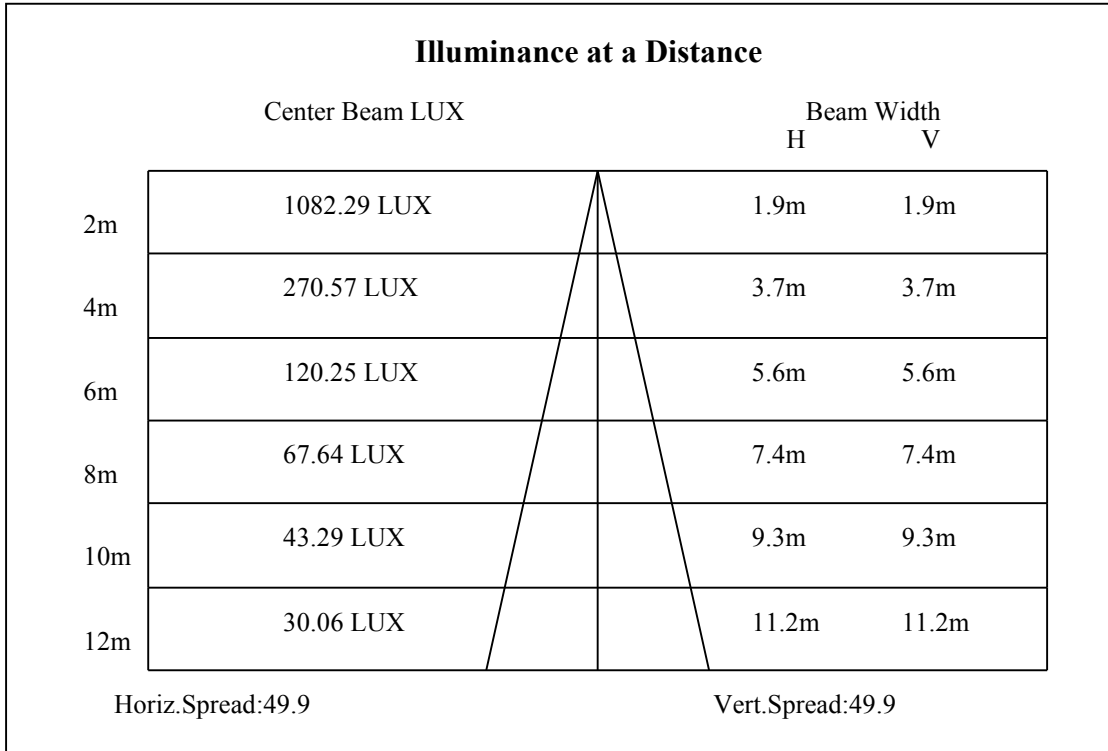
0-10	399.13
10-20	984.65
20-30	983.84
30-40	446.22
40-50	56.19
50-60	18.67
60-70	12.70
70-80	7.87
80-90	2.93
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

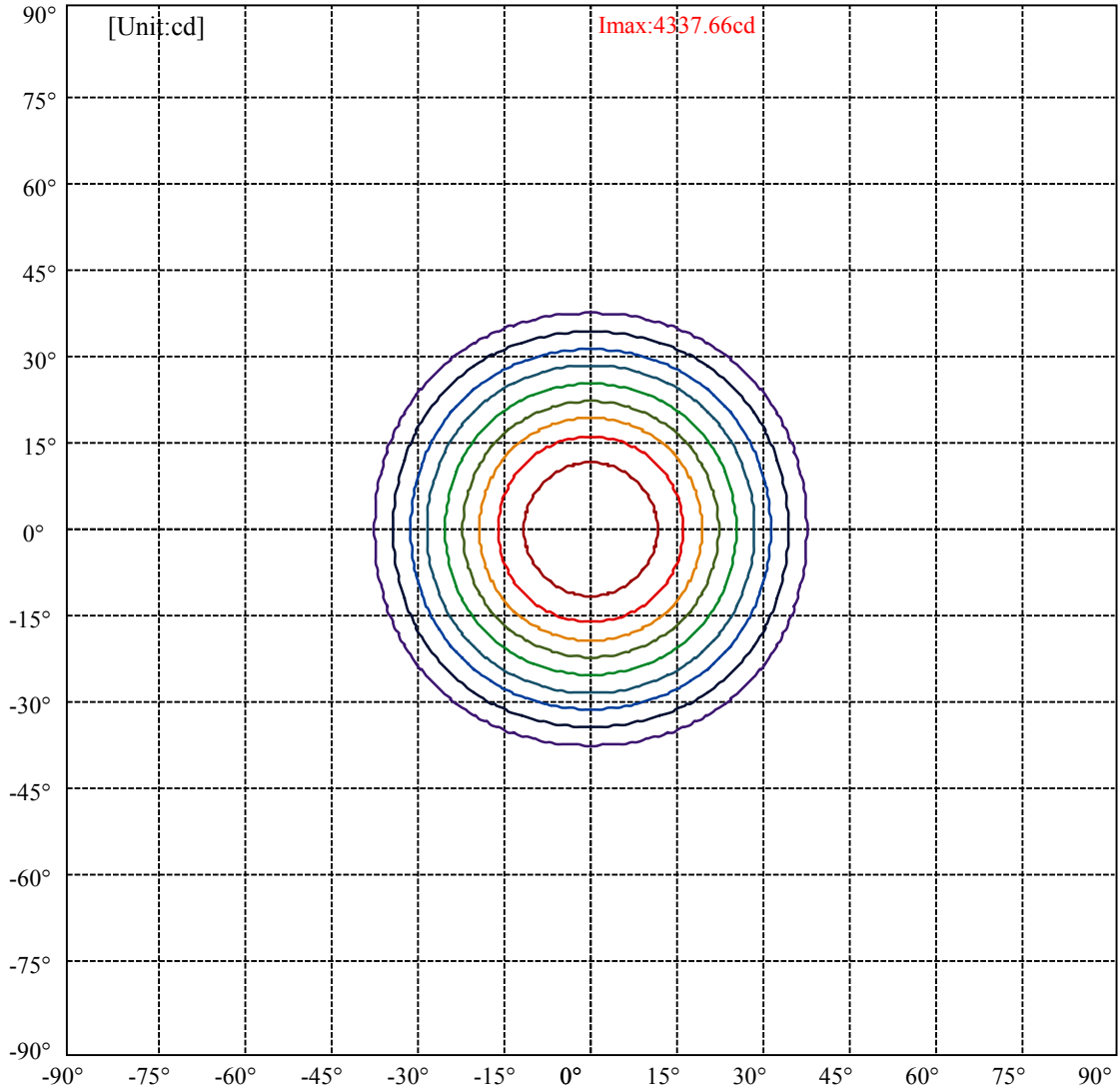


C0(Max): ———
C0/C180: ———
C90/C270: ———

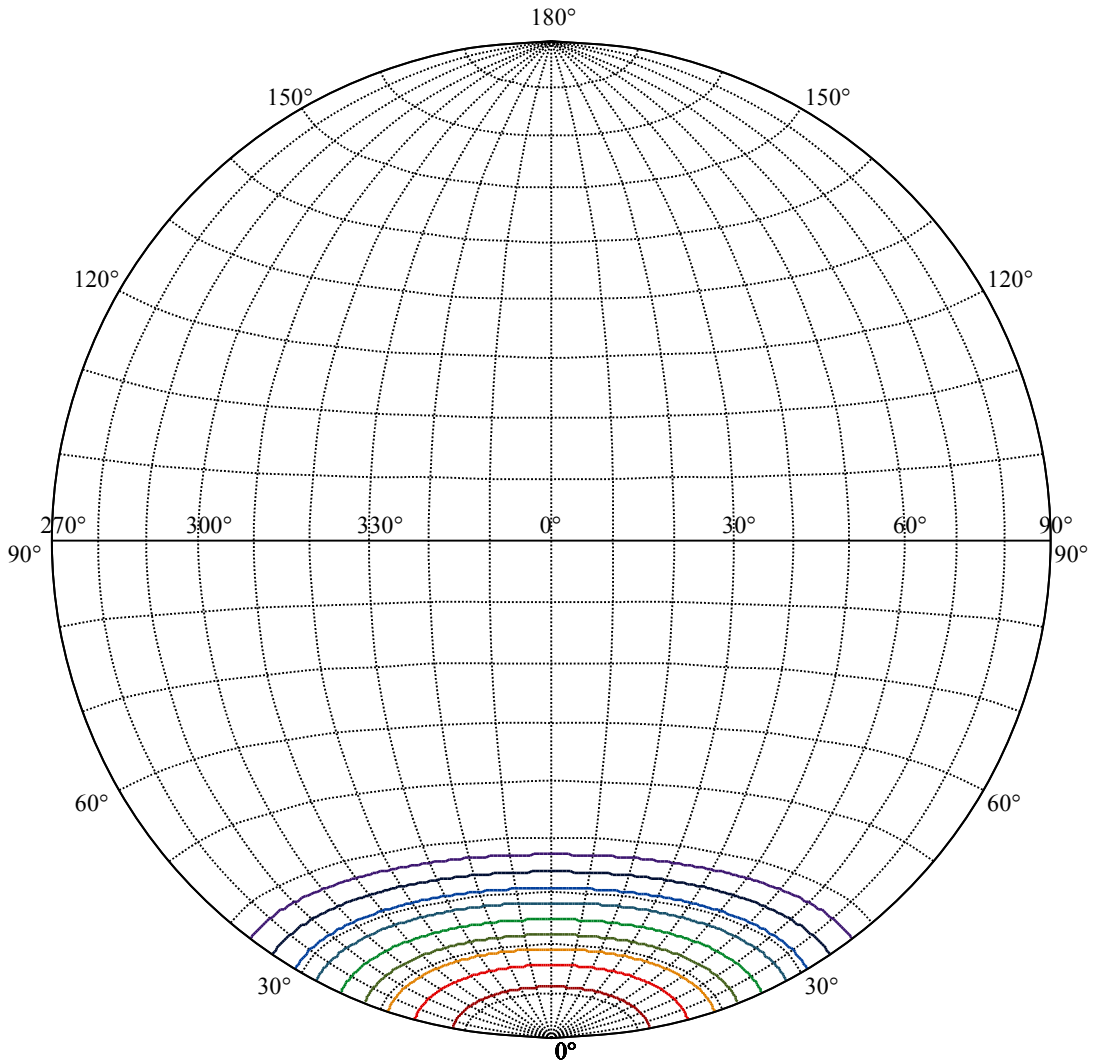
Field angle(10%Imax):C0/180Left:39.1 Right:35.1
:C90/270Left:39.1 Right:35.1

Beam Angle(50%Imax):C0/180Left:26.9 Right:22.9
:C90/270Left:26.9 Right:22.9





(10%Imax) 433.766	—
(20%Imax) 867.532	—
(30%Imax) 1301.3	—
(40%Imax) 1735.06	—
(50%Imax) 2168.83	—
(60%Imax) 2602.6	—
(70%Imax) 3036.36	—
(80%Imax) 3470.13	—
(90%Imax) 3903.9	—



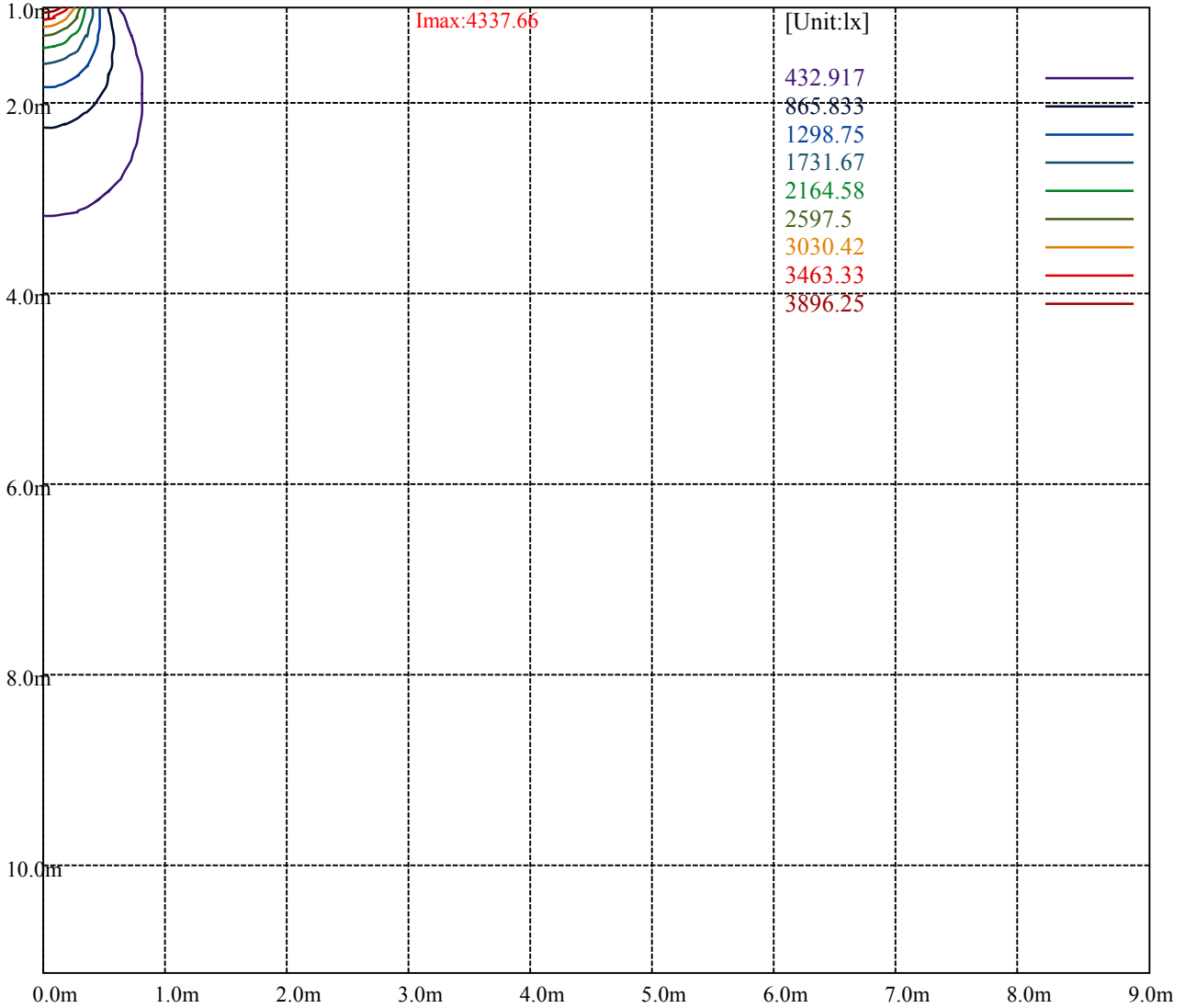
House

[Unit:cd]

Road

Imax:4337.66

(10%Imax) 433.766	—
(20%Imax) 867.532	—
(30%Imax) 1301.3	—
(40%Imax) 1735.06	—
(50%Imax) 2168.83	—
(60%Imax) 2602.6	—
(70%Imax) 3036.36	—
(80%Imax) 3470.13	—
(90%Imax) 3903.9	—



Luminance Table

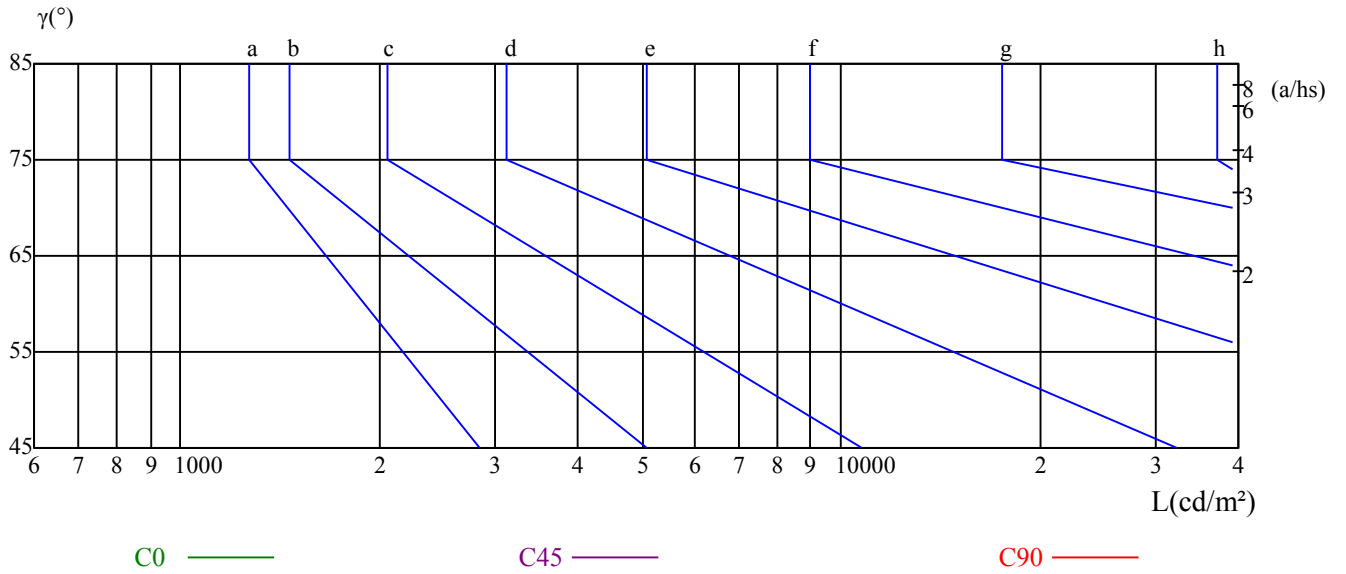
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

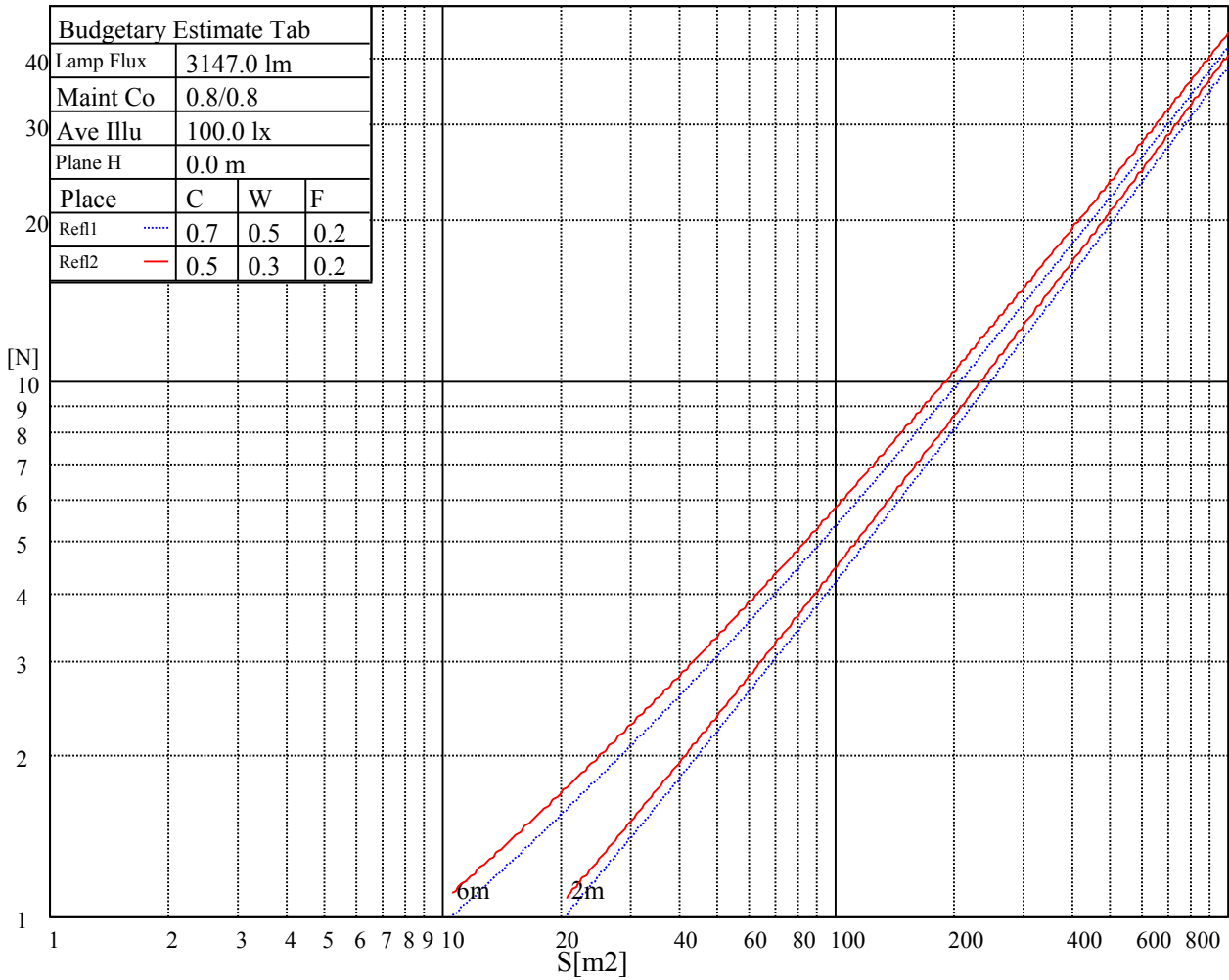
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

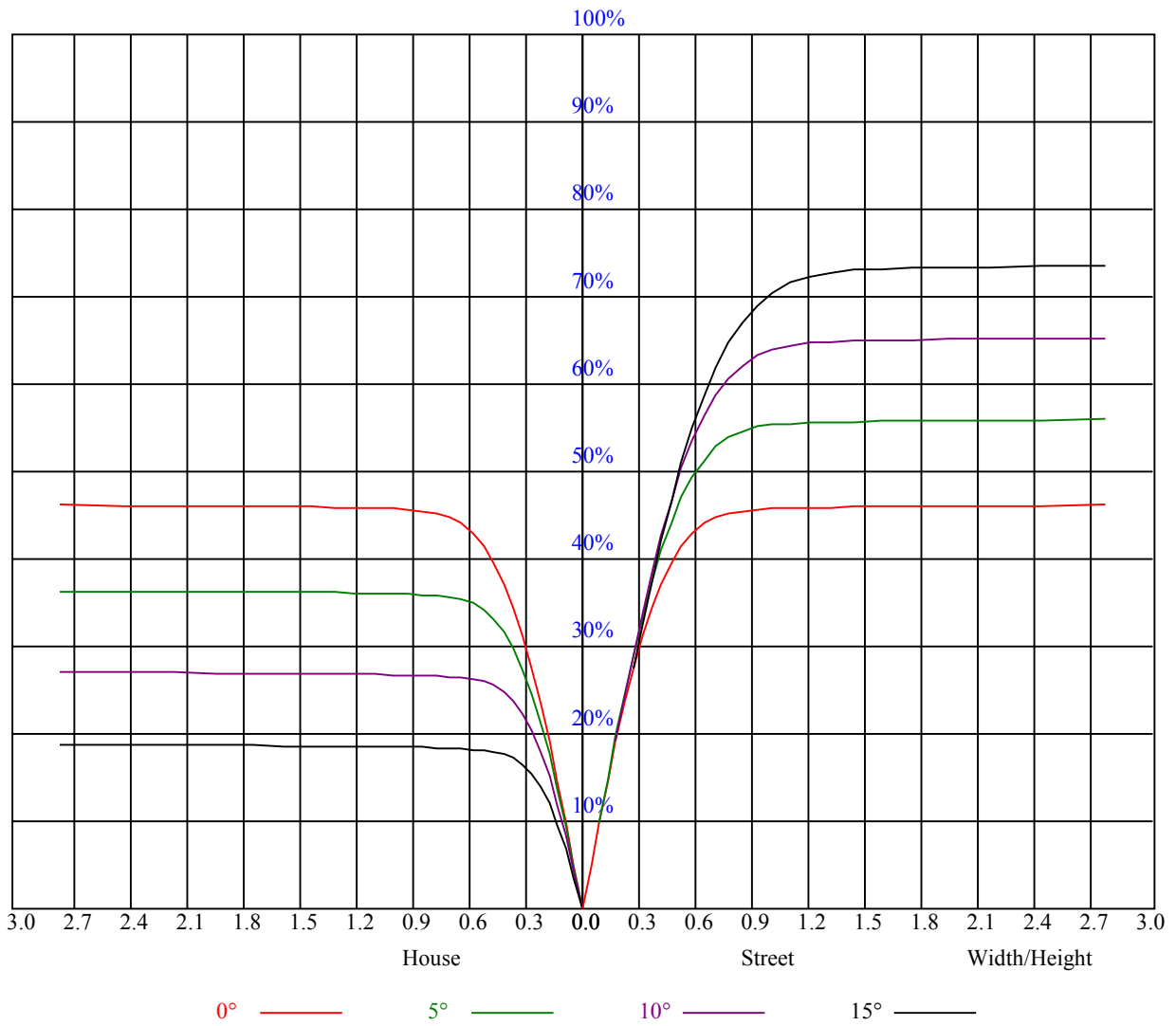


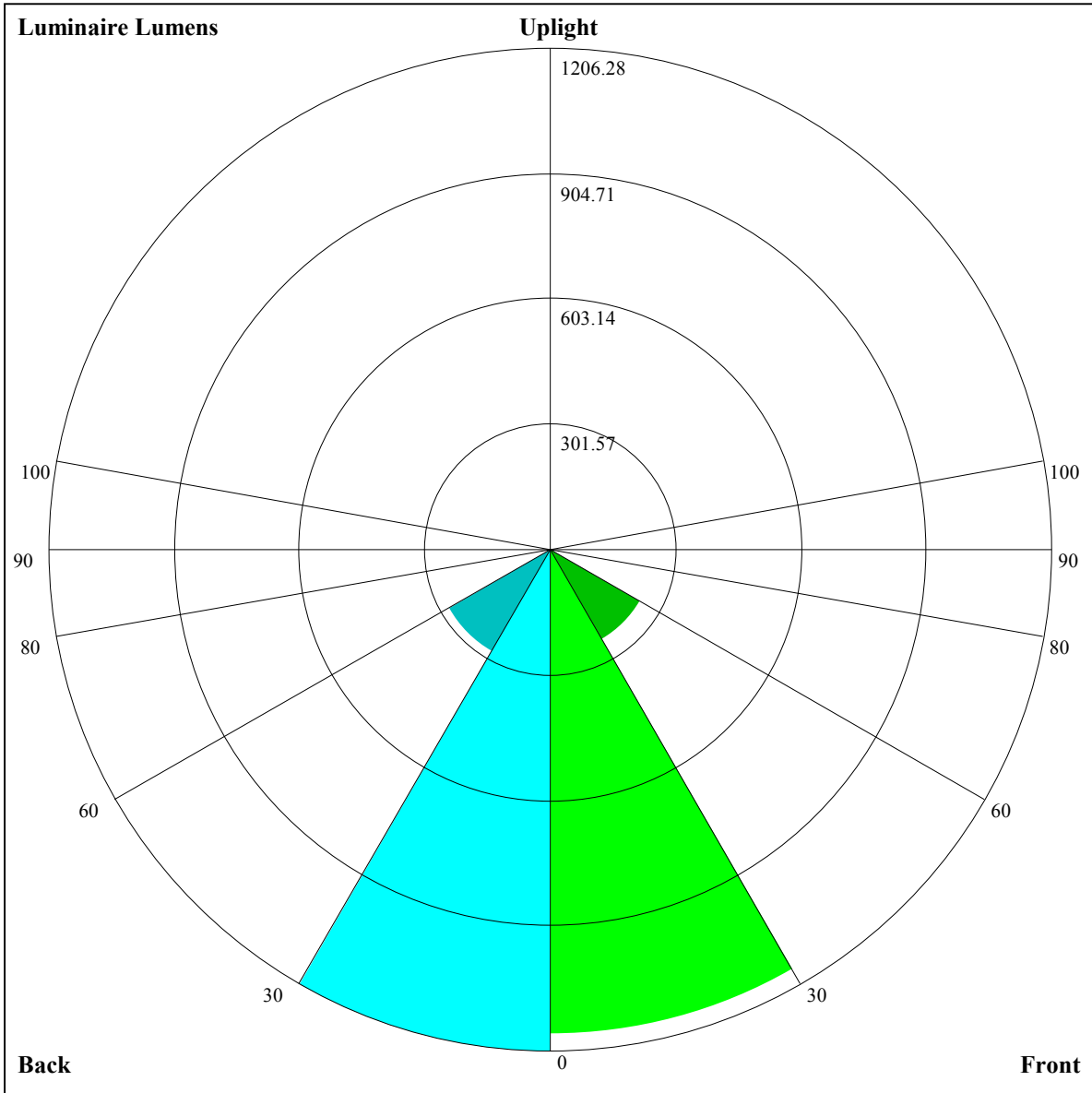
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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	1.10	1.10	1.10	1.08	1.08	1.08	1.03	1.03	1.03	0.98	0.98	0.98	0.94	0.94	0.94	0.93
1	1.03	1.01	0.99	1.01	0.99	0.97	0.97	0.96	0.94	0.94	0.93	0.91	0.91	0.90	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	0.87	0.85	0.83	0.82
3	0.91	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	0.76	0.82	0.79	0.76	0.80	0.77	0.75	0.79	0.76	0.74	0.73
5	0.80	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	0.68
6	0.76	0.71	0.67	0.75	0.71	0.67	0.74	0.70	0.67	0.73	0.69	0.66	0.72	0.68	0.66	0.65
7	0.72	0.67	0.63	0.72	0.67	0.63	0.70	0.66	0.63	0.69	0.65	0.63	0.68	0.65	0.62	0.61
8	0.68	0.63	0.60	0.68	0.63	0.60	0.67	0.63	0.59	0.66	0.62	0.59	0.65	0.62	0.59	0.58
9	0.65	0.60	0.57	0.65	0.60	0.57	0.64	0.59	0.56	0.63	0.59	0.56	0.62	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	0.56	0.53	0.60	0.56	0.53	0.52





Luminaire Lumens:

FL=1165.31,FM=247.34,FH=11.07,FVH=1.6

BL=1206.28,BM=282.29,BH=9.41,BVH=1.51

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	4322.74	4314.96	4294.88	4248.10	4187.39	4133.30	4071.49	4019.09	3952.81
45.0	4320.53	4323.90	4334.46	4305.50	4251.47	4221.35	4189.02	4085.95	4029.70
90.0	4340.03	4355.64	4323.32	4287.10	4257.04	4189.02	4126.10	4063.66	4017.98
135.0	4333.36	4335.04	4359.53	4360.11	4332.78	4303.24	4258.67	4205.21	4133.30
180.0	4322.74	4312.75	4344.50	4362.90	4364.53	4351.75	4339.45	4314.96	4300.45
225.0	4320.53	4356.17	4358.96	4370.10	4362.32	4362.90	4353.96	4314.38	4287.10
270.0	4340.03	4330.57	4355.64	4351.75	4342.82	4349.49	4314.38	4297.67	4277.64
315.0	4333.36	4344.50	4329.99	4301.61	4269.81	4231.39	4194.07	4143.34	4082.63
360.0	4322.74	4314.96	4294.88	4248.10	4187.39	4133.30	4071.49	4019.09	3952.81
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	3878.17	3802.95	3727.15	3650.26	3560.01	3495.93	3381.71	3214.56	3127.10
45.0	3971.73	3912.70	3843.58	3757.80	3660.29	3560.01	3444.68	3325.42	3182.24
90.0	3947.81	3863.08	3769.52	3682.00	3571.73	3453.57	3380.61	3252.46	3056.35
135.0	4087.63	3981.77	3896.51	3848.63	3742.77	3633.01	3520.43	3393.44	3263.61
180.0	4250.31	4182.35	4111.60	4036.38	3950.60	3858.67	3755.59	3650.83	3528.78
225.0	4231.39	4169.52	4100.45	4019.09	3924.37	3818.51	3723.79	3558.32	3445.79
270.0	4234.75	4182.92	4127.73	4073.70	4007.42	3934.99	3855.88	3762.79	3663.66
315.0	4017.46	3978.98	3910.44	3813.51	3762.27	3675.91	3585.08	3488.15	3380.61
360.0	3878.17	3802.95	3727.15	3650.26	3560.01	3495.93	3381.71	3214.56	3127.10
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2981.13	2826.76	2683.05	2529.83	2391.07	2257.35	2127.52	1989.91	1853.41
45.0	3036.27	2881.95	2715.33	2556.01	2413.35	2276.32	2128.10	1984.34	1902.45
90.0	2972.20	2821.77	2678.01	2540.98	2399.43	2266.81	2124.73	1996.59	1859.56
135.0	3110.39	2941.56	2774.98	2616.19	2457.93	2301.92	2158.16	2026.70	1896.88
180.0	3401.79	3263.61	3110.91	2955.48	2788.91	2633.43	2484.10	2338.14	2205.00
225.0	3302.61	3156.64	2986.13	2831.23	2660.77	2493.62	2329.25	2184.39	2046.73
270.0	3552.75	3424.08	3282.53	3140.45	2986.13	2833.49	2677.48	2522.00	2430.65
315.0	3261.35	3126.52	2984.45	2826.76	2675.22	2526.47	2380.50	2244.52	2109.70
360.0	2981.13	2826.76	2683.05	2529.83	2391.07	2257.35	2127.52	1989.91	1853.41
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1700.76	1537.51	1378.14	1024.13	1024.13	928.57	708.44	617.40	479.53
45.0	1772.09	1622.76	1458.40	1304.08	1145.28	988.12	829.91	677.27	541.87
90.0	1698.50	1526.36	1280.63	1059.98	1025.28	892.62	732.62	579.45	438.32
135.0	1774.30	1645.05	1497.93	1344.71	1189.86	1036.64	915.17	768.62	599.79
180.0	2068.49	1942.03	1841.16	1704.08	1524.15	1404.89	1244.42	1078.95	916.85
225.0	1909.70	1794.38	1675.69	1531.93	1378.14	1075.95	1075.95	987.65	835.43
270.0	2231.75	2088.52	2006.63	1816.09	1728.04	1564.79	1400.42	1236.64	1071.70
315.0	1975.46	1836.69	1711.33	1514.64	1269.49	1054.98	1054.98	895.45	740.45
360.0	1700.76	1537.51	1378.14	1024.13	1024.13	928.57	708.44	617.40	479.53
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	359.84	261.50	191.01	148.91	119.21	96.29	79.90	68.17	59.03
45.0	414.25	303.39	303.39	146.28	114.06	100.18	74.74	67.28	57.66
90.0	313.17	214.93	152.90	120.32	94.98	75.74	63.39	53.82	46.10
135.0	493.40	367.46	298.40	298.40	118.32	94.56	77.37	63.97	55.35
180.0	762.47	613.19	473.90	350.17	327.36	283.89	122.10	98.19	86.94
225.0	683.79	540.71	411.30	295.30	202.94	139.50	106.02	85.31	70.43
270.0	910.12	754.11	599.27	461.60	335.14	291.67	208.04	122.26	96.45
315.0	593.64	457.92	342.23	247.67	180.55	141.97	114.27	93.51	79.53
360.0	359.84	261.50	191.01	148.91	119.21	96.29	79.90	68.17	59.03

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	51.41	44.99	39.84	35.58	32.06	30.22	26.60	24.49	23.34
45.0	46.94	43.05	37.42	32.90	29.28	26.44	24.23	22.34	20.71
90.0	39.95	34.90	31.01	27.91	25.23	22.97	21.18	19.66	18.24
135.0	50.99	42.00	36.90	34.32	29.22	27.60	25.23	23.34	21.71
180.0	68.38	62.65	54.09	46.99	41.16	35.95	32.06	28.80	26.18
225.0	60.18	51.98	44.89	39.00	34.11	30.12	27.02	24.34	22.71
270.0	77.42	66.54	56.61	48.57	42.10	36.64	32.17	28.65	25.60
315.0	69.01	63.65	53.04	46.99	43.84	39.37	35.58	32.38	29.65
360.0	51.41	44.99	39.84	35.58	32.06	30.22	26.60	24.49	23.34
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	20.97	20.03	18.71	17.50	16.35	15.40	14.56	13.77	13.25
45.0	19.19	17.92	16.93	15.93	14.98	14.24	13.56	13.09	12.83
90.0	17.50	16.03	15.40	14.56	13.51	13.19	12.56	12.04	12.04
135.0	20.18	18.87	17.77	16.82	15.82	14.98	14.19	13.51	12.88
180.0	24.02	21.97	20.29	18.82	17.50	16.29	15.19	14.30	13.46
225.0	20.87	19.03	17.98	16.77	15.61	14.61	13.77	12.98	12.19
270.0	23.29	21.39	19.66	18.19	17.03	15.93	14.93	14.03	13.30
315.0	27.23	25.18	23.34	21.60	20.13	18.82	17.61	16.45	15.40
360.0	20.97	20.03	18.71	17.50	16.35	15.40	14.56	13.77	13.25
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	14.82	15.66	15.82	15.93	15.82	15.45	15.24	14.30	12.35
45.0	14.14	15.87	16.71	16.29	16.56	15.93	17.29	18.24	17.66
90.0	13.25	13.61	13.98	14.09	14.09	13.93	13.56	12.46	11.30
135.0	12.30	11.77	11.41	10.88	10.41	9.93	9.57	8.99	8.52
180.0	12.62	11.98	11.46	10.88	10.46	9.88	9.36	8.83	8.46
225.0	11.56	11.04	10.51	10.04	9.51	8.99	8.57	8.04	7.57
270.0	12.56	11.93	11.30	10.83	10.62	10.20	9.51	9.30	8.78
315.0	14.51	13.82	13.14	12.46	11.98	11.35	10.72	10.41	9.83
360.0	14.82	15.66	15.82	15.93	15.82	15.45	15.24	14.30	12.35
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	10.78	9.30	8.36	7.31	6.57	5.83	5.31	4.89	4.47
45.0	15.61	13.88	11.04	8.46	6.78	5.83	5.26	4.89	4.57
90.0	10.14	8.73	7.41	6.83	5.62	5.15	4.84	4.31	3.94
135.0	8.25	7.88	7.46	6.94	6.52	5.99	5.62	5.20	4.73
180.0	7.94	7.46	7.04	6.68	6.25	5.83	5.47	5.05	4.68
225.0	7.15	6.83	6.47	6.15	5.62	5.41	4.94	4.63	4.26
270.0	8.25	7.78	7.36	6.89	6.52	6.15	5.78	5.31	4.89
315.0	9.36	8.88	8.30	7.62	6.99	6.47	5.99	5.57	4.99
360.0	10.78	9.30	8.36	7.31	6.57	5.83	5.31	4.89	4.47
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	4.15	3.78	3.47	3.15	2.89	2.63	2.26	2.10	1.84
45.0	4.05	3.73	3.26	2.94	2.68	2.37	2.10	1.84	1.68
90.0	3.63	3.15	2.94	2.68	2.47	2.26	2.05	1.84	1.84
135.0	4.31	4.05	3.57	3.21	2.84	2.63	2.31	2.05	1.73
180.0	4.21	3.84	3.47	3.05	2.68	2.31	2.00	1.84	1.47
225.0	3.84	3.36	3.05	2.79	2.37	2.10	1.84	1.58	1.31
270.0	4.52	4.15	3.63	3.26	2.94	2.52	2.26	1.94	1.73
315.0	4.68	4.31	3.89	3.47	3.10	2.84	2.42	2.21	1.89
360.0	4.15	3.78	3.47	3.15	2.89	2.63	2.26	2.10	1.84

Intensity data(cd)

C/γ(°)	90.0
0.0	2.00
45.0	1.73
90.0	1.84
135.0	1.26
180.0	1.21
225.0	1.16
270.0	1.42
315.0	1.79
360.0	2.00