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NT

Client: NT

LumCAT: 3-2918-L

Luminaire: 92.70.412.00

Report No: 2025306-B003

Ballast type: DC

Test No: 2025306-C003

LampCAT: CITIZEN CLU038

Lamp flux(lm): 3941.0

Number of Lamps: 1

Length(mm): 92

Phm Type: C

Voltage(V): 35.660

Current(A): 0.720

Power (W): 25.670

PF: 0.000

Width(mm): 90

Height(mm): 50

Photometric Results

Lumens(lm): 3859.30, Efficiency(%): 97.93% , Luminous Efficacy(lm/W): 150.34

Central intensity(cd): 12105.970, Maximum intensity(cd): 12105.970

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=67.2

[C90/270]Total=67.2

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

Maximum s/h(1/4): C0_180=0.44 C90_270=0.44

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 97.93%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 98.701%

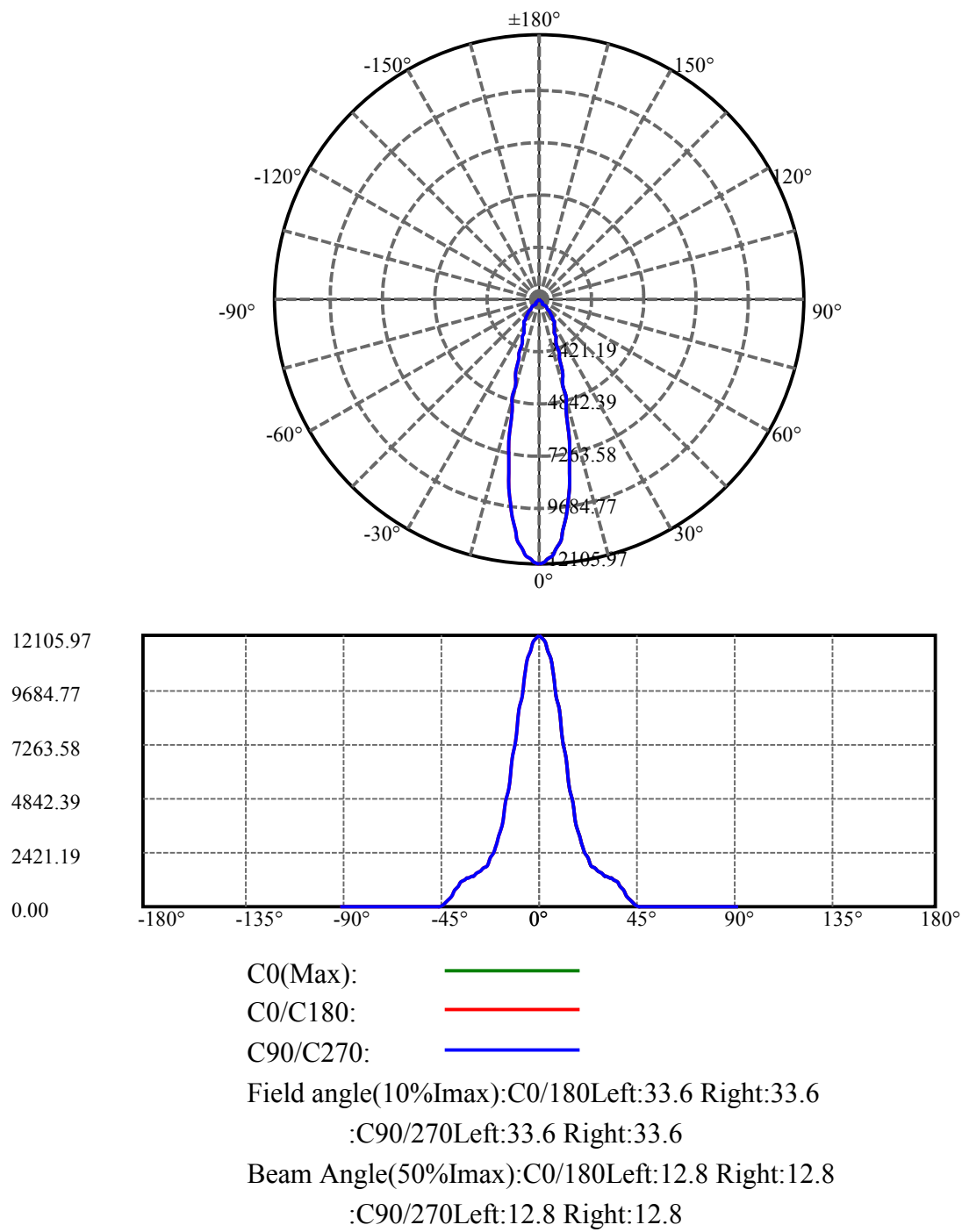
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	12105.964	0.000	0	0.00%	0.00%
1.0	12002.028	11.535	11.535	0.29%	0.30%
2.0	11865.686	34.257	45.792	0.87%	1.19%
3.0	11748.129	56.476	102.269	1.43%	2.65%
4.0	11463.490	77.697	179.966	1.97%	4.66%
5.0	11074.900	96.959	276.925	2.46%	7.18%
6.0	10621.570	114.021	390.945	2.89%	10.13%
7.0	10053.902	128.332	519.278	3.26%	13.46%
8.0	9430.491	139.446	658.724	3.54%	17.07%
9.0	8762.457	147.444	806.168	3.74%	20.89%
10.0	8031.438	151.979	958.146	3.86%	24.83%
11.0	7348.626	153.678	1111.825	3.90%	28.81%
12.0	6606.707	152.552	1264.377	3.87%	32.76%
13.0	5899.463	148.417	1412.793	3.77%	36.61%
14.0	5248.766	142.696	1555.49	3.62%	40.30%
15.0	4632.085	135.649	1691.138	3.44%	43.82%
16.0	4055.858	127.303	1818.441	3.23%	47.12%
17.0	3575.022	118.833	1937.274	3.02%	50.20%
18.0	3174.217	111.280	2048.555	2.82%	53.08%
19.0	2891.041	105.523	2154.078	2.68%	55.82%
20.0	2623.381	100.929	2255.007	2.56%	58.43%
21.0	2377.228	96.022	2351.029	2.44%	60.92%
22.0	2154.338	91.064	2442.093	2.31%	63.28%
23.0	1961.147	86.354	2528.447	2.19%	65.52%
24.0	1832.398	82.941	2611.387	2.10%	67.66%
25.0	1725.156	80.891	2692.278	2.05%	69.76%
26.0	1634.665	79.309	2771.587	2.01%	71.82%
27.0	1559.903	78.156	2849.743	1.98%	73.84%
28.0	1495.089	77.346	2927.089	1.96%	75.85%
29.0	1438.103	76.741	3003.829	1.95%	77.83%
30.0	1387.846	76.300	3080.129	1.94%	79.81%
31.0	1333.442	75.730	3155.859	1.92%	81.77%
32.0	1287.693	75.092	3230.951	1.91%	83.72%
33.0	1245.637	74.633	3305.584	1.89%	85.65%
34.0	1188.073	73.651	3379.235	1.87%	87.56%
35.0	1131.825	72.047	3451.283	1.83%	89.43%
36.0	1021.817	68.572	3519.855	1.74%	91.20%
37.0	887.530	62.272	3582.127	1.58%	92.82%

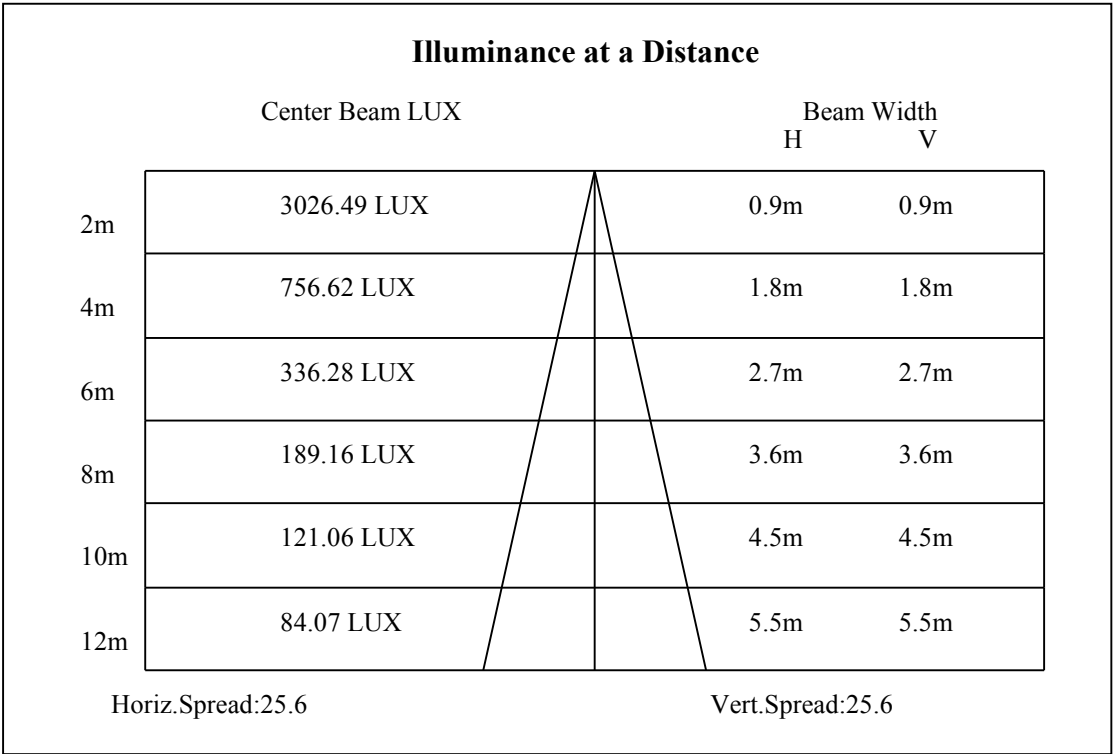
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	730.471	54.007	3636.134	1.37%	94.22%
39.0	566.337	44.264	3680.398	1.12%	95.36%
40.0	421.289	34.445	3714.843	0.87%	96.26%
41.0	281.288	25.018	3739.861	0.63%	96.91%
42.0	202.590	17.580	3757.441	0.45%	97.36%
43.0	150.849	13.092	3770.534	0.33%	97.70%
44.0	48.669	7.530	3778.064	0.19%	97.90%
45.0	36.438	3.271	3781.335	0.08%	97.98%
46.0	31.668	2.663	3783.998	0.07%	98.05%
47.0	27.710	2.362	3786.36	0.06%	98.11%
48.0	24.872	2.126	3788.485	0.05%	98.17%
49.0	22.985	1.965	3790.451	0.05%	98.22%
50.0	21.931	1.873	3792.323	0.05%	98.26%
51.0	21.002	1.816	3794.14	0.05%	98.31%
52.0	20.205	1.768	3795.908	0.04%	98.36%
53.0	19.554	1.730	3797.638	0.04%	98.40%
54.0	19.020	1.700	3799.338	0.04%	98.45%
55.0	18.478	1.674	3801.012	0.04%	98.49%
56.0	18.076	1.652	3802.663	0.04%	98.53%
57.0	17.732	1.637	3804.301	0.04%	98.57%
58.0	17.418	1.625	3805.926	0.04%	98.62%
59.0	17.184	1.618	3807.544	0.04%	98.66%
60.0	16.979	1.614	3809.158	0.04%	98.70%
61.0	16.781	1.611	3810.769	0.04%	98.74%
62.0	16.613	1.609	3812.378	0.04%	98.78%
63.0	16.496	1.610	3813.988	0.04%	98.83%
64.0	16.401	1.614	3815.602	0.04%	98.87%
65.0	16.306	1.619	3817.221	0.04%	98.91%
66.0	16.225	1.623	3818.844	0.04%	98.95%
67.0	16.160	1.628	3820.473	0.04%	98.99%
68.0	16.101	1.634	3822.107	0.04%	99.04%
69.0	16.050	1.640	3823.747	0.04%	99.08%
70.0	15.984	1.645	3825.392	0.04%	99.12%
71.0	15.955	1.651	3827.043	0.04%	99.16%
72.0	15.918	1.657	3828.7	0.04%	99.21%
73.0	15.889	1.663	3830.364	0.04%	99.25%
74.0	15.867	1.669	3832.033	0.04%	99.29%
75.0	15.823	1.674	3833.707	0.04%	99.34%

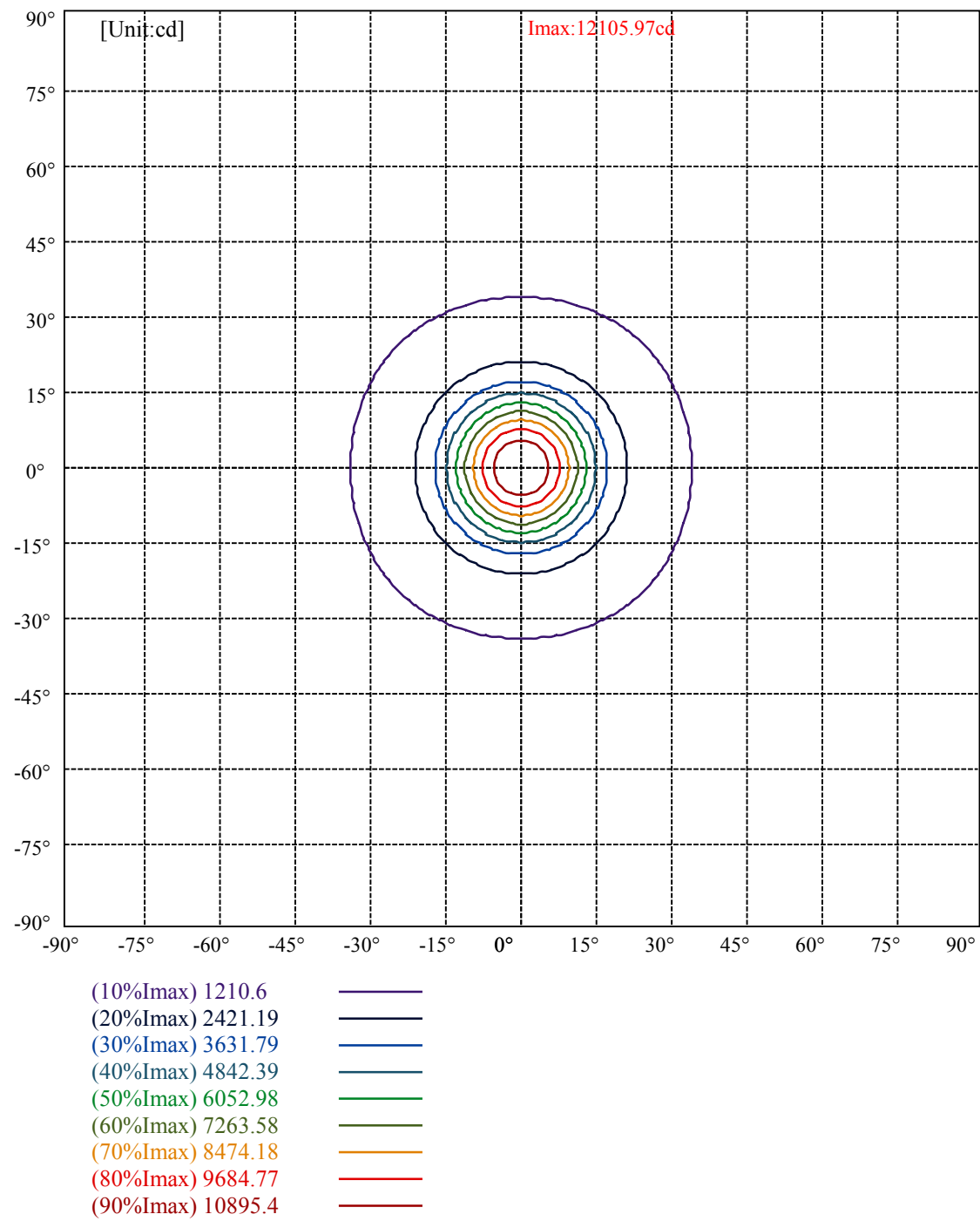
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	15.808	1.679	3835.387	0.04%	99.38%
77.0	15.801	1.685	3837.072	0.04%	99.42%
78.0	15.779	1.691	3838.762	0.04%	99.47%
79.0	15.764	1.695	3840.457	0.04%	99.51%
80.0	15.757	1.699	3842.157	0.04%	99.56%
81.0	15.743	1.703	3843.86	0.04%	99.60%
82.0	15.743	1.707	3845.567	0.04%	99.64%
83.0	15.728	1.711	3847.278	0.04%	99.69%
84.0	15.728	1.714	3848.992	0.04%	99.73%
85.0	15.713	1.716	3850.708	0.04%	99.78%
86.0	15.699	1.717	3852.425	0.04%	99.82%
87.0	15.684	1.718	3854.142	0.04%	99.87%
88.0	15.691	1.719	3855.861	0.04%	99.91%
89.0	15.684	1.720	3857.581	0.04%	99.96%
90.0	15.677	1.719	3859.3	0.04%	100.00%

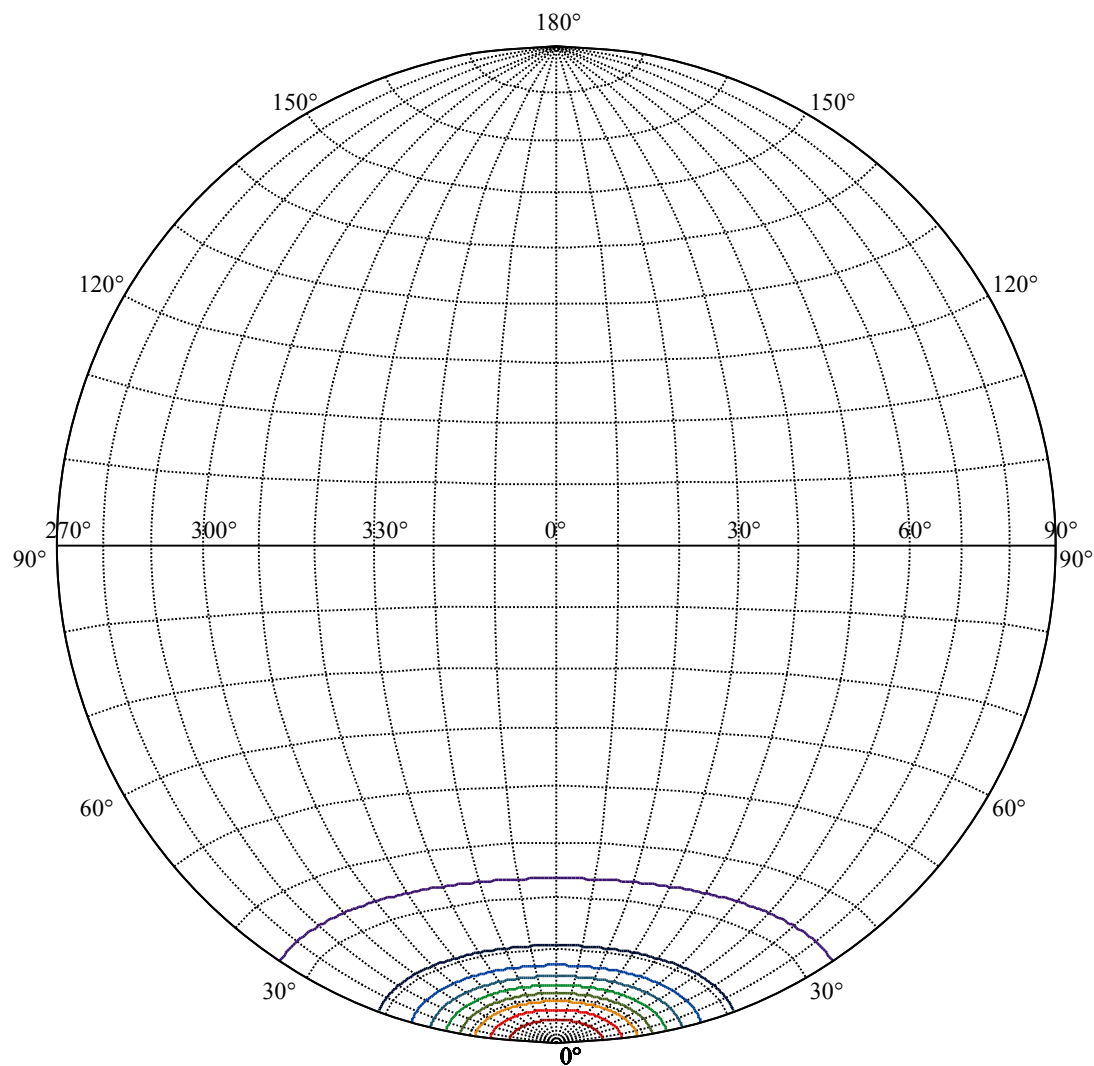
ZONAL LUMEN SUMMARY			
Zone	Lumens	%Lamp	%Fixt
0-30	3080.13	78.16%	79.81%
0-40	3714.84	94.26%	96.26%
0-60	3809.16	96.65%	98.70%
0-90	3857.58	97.88%	99.96%
0-120	3857.58	97.88%	99.96%
0-180	3859.30	97.93%	100.00%
60-90	48.42	1.23%	1.25%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-30.10	3087.44	78.34%	80.00%

ZONAL LUMEN SUMMARY	
0-10	958.15
10-20	1296.86
20-30	825.12
30-40	634.71
40-50	77.48
50-60	16.83
60-70	16.23
70-80	16.76
80-90	15.42
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









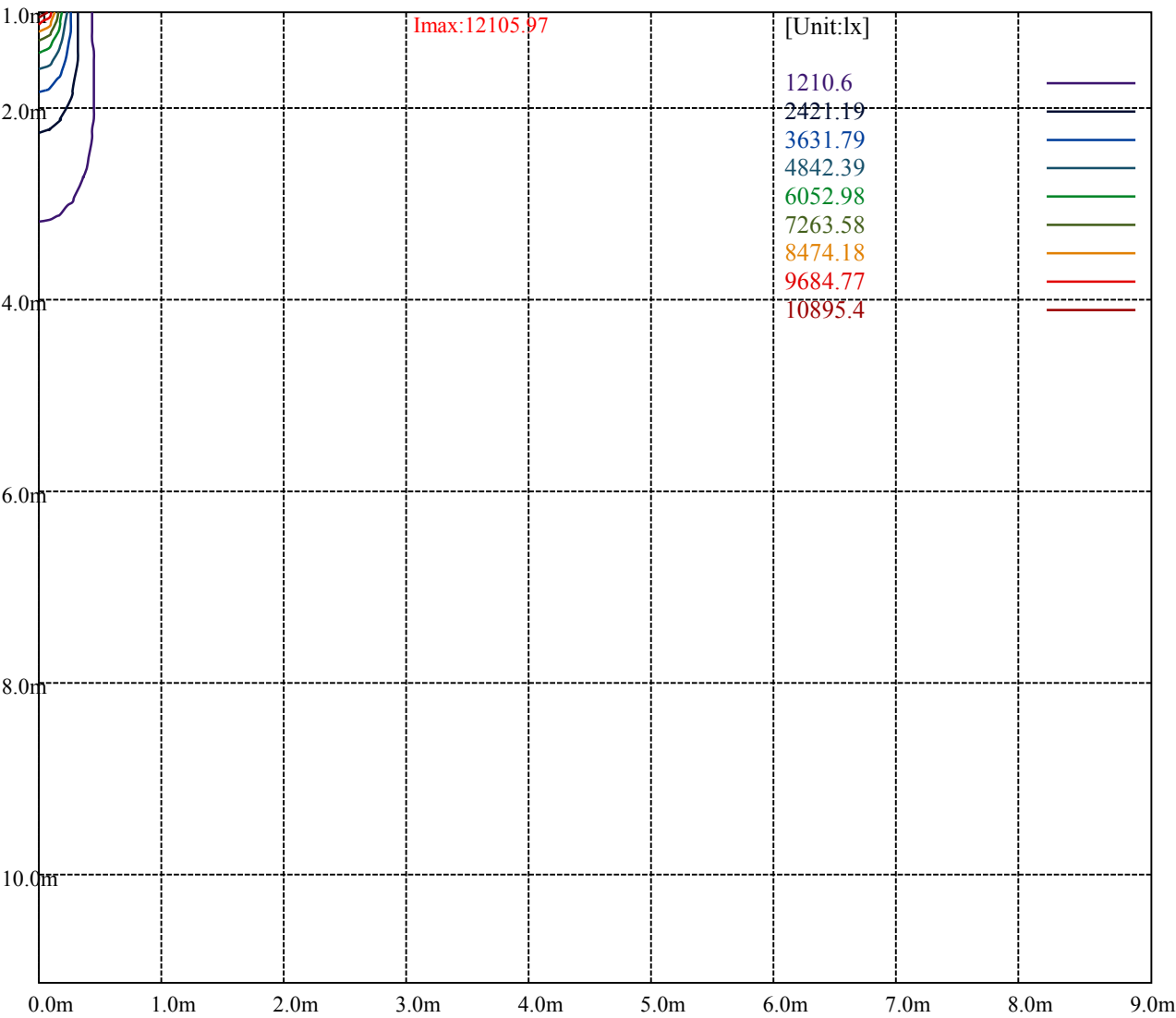
House

[Unit:cd]

Road

Imax:12105.97

(10%Imax)	1210.6	—
(20%Imax)	2421.19	—
(30%Imax)	3631.79	—
(40%Imax)	4842.39	—
(50%Imax)	6052.98	—
(60%Imax)	7263.58	—
(70%Imax)	8474.18	—
(80%Imax)	9684.77	—
(90%Imax)	10895.4	—



Luminance Table

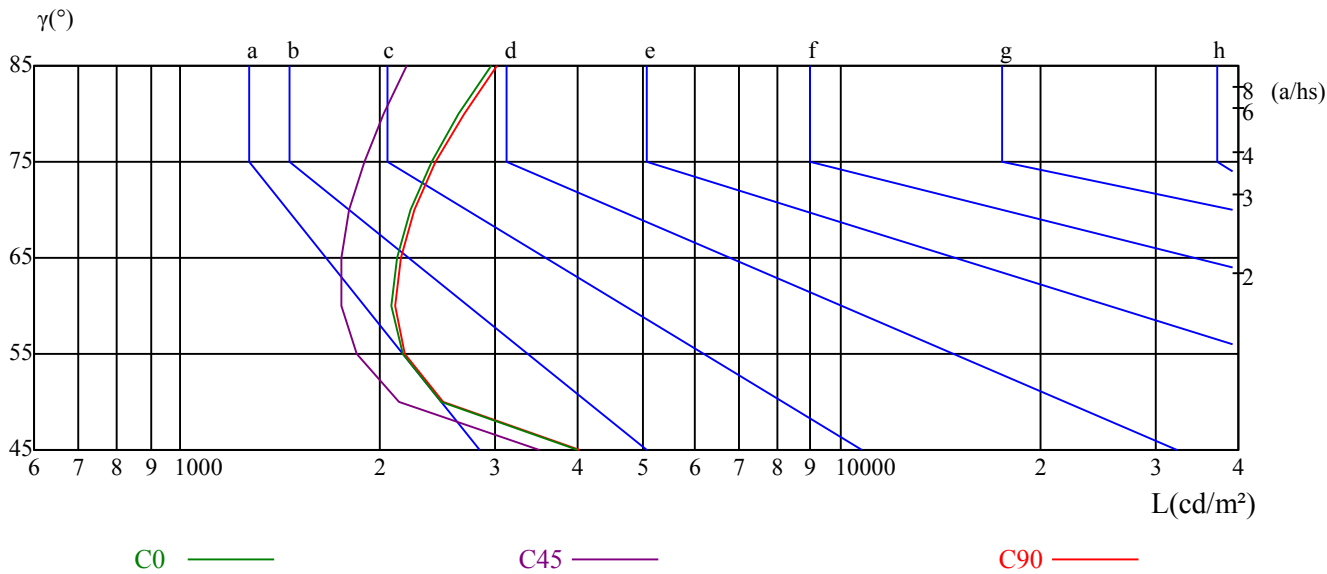
γ	45	50	55	60	65	70	75	80	85
C0	4001	2479	2170	2090	2126	2234	2402	2640	2962
C45	3502	2139	1844	1748	1747	1800	1893	2027	2203
C90	4032	2501	2191	2113	2152	2264	2438	2685	3019

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
4660	4660	4660	7384	7384	7384	21774	21774	21774

Glare Table

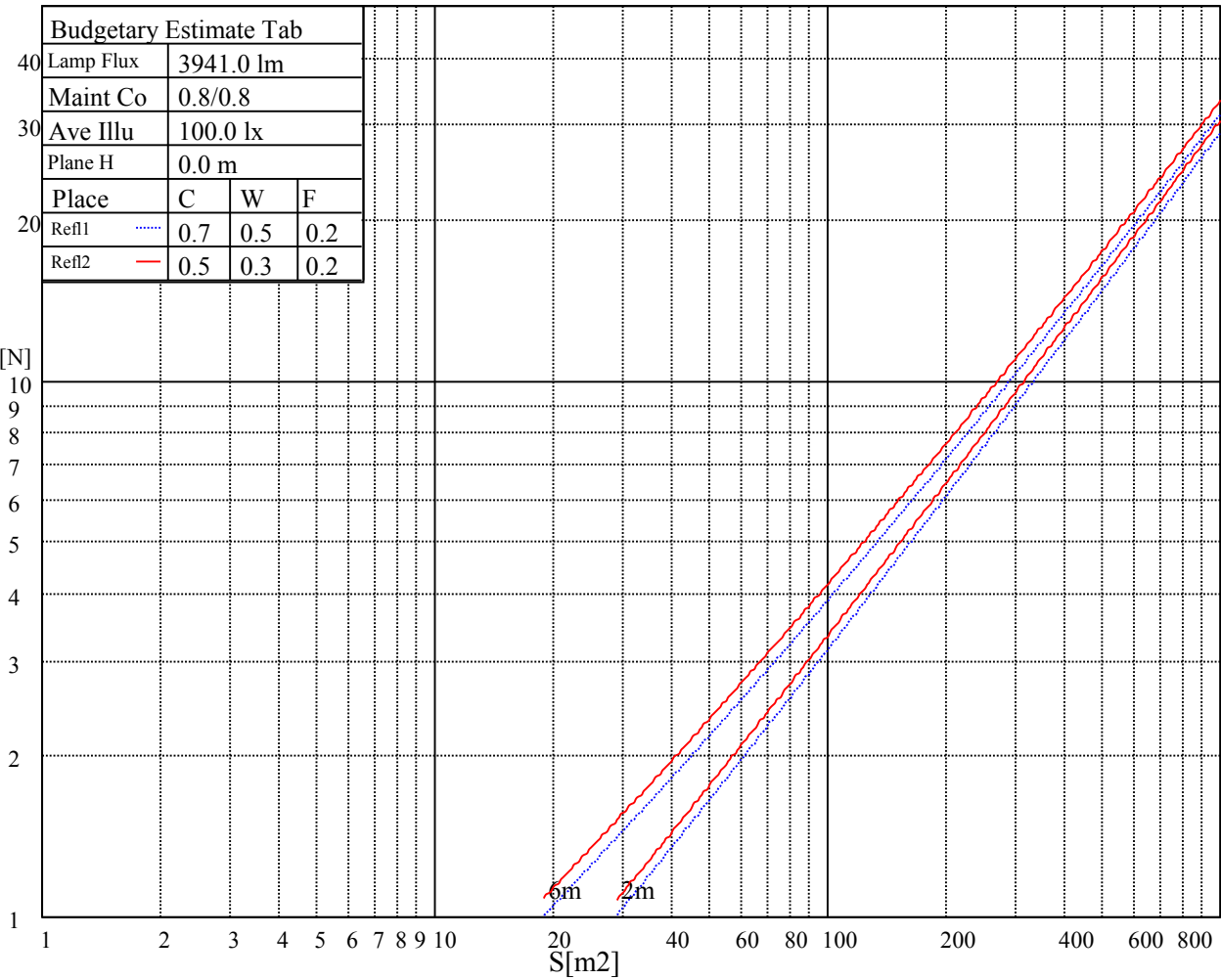
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

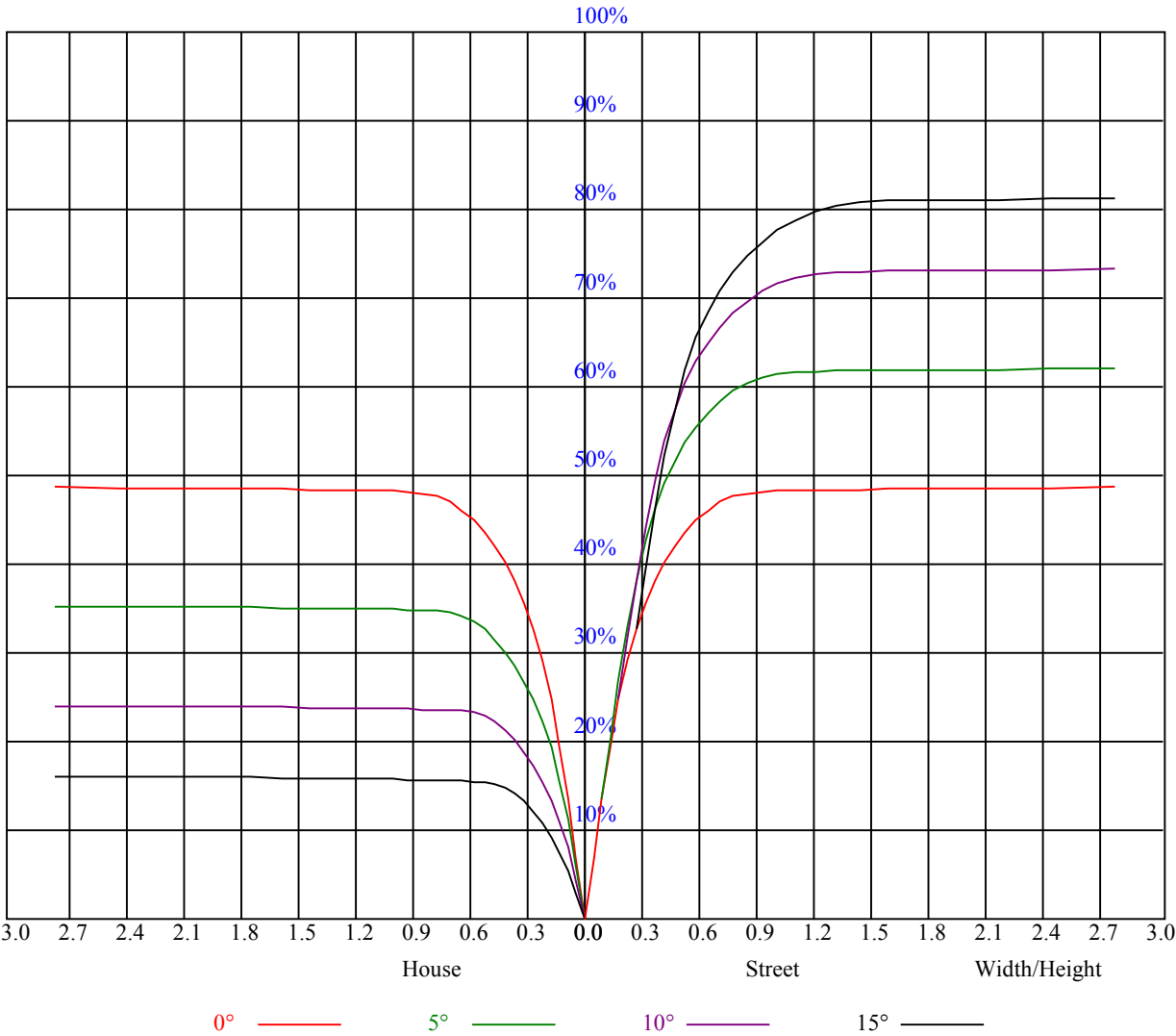


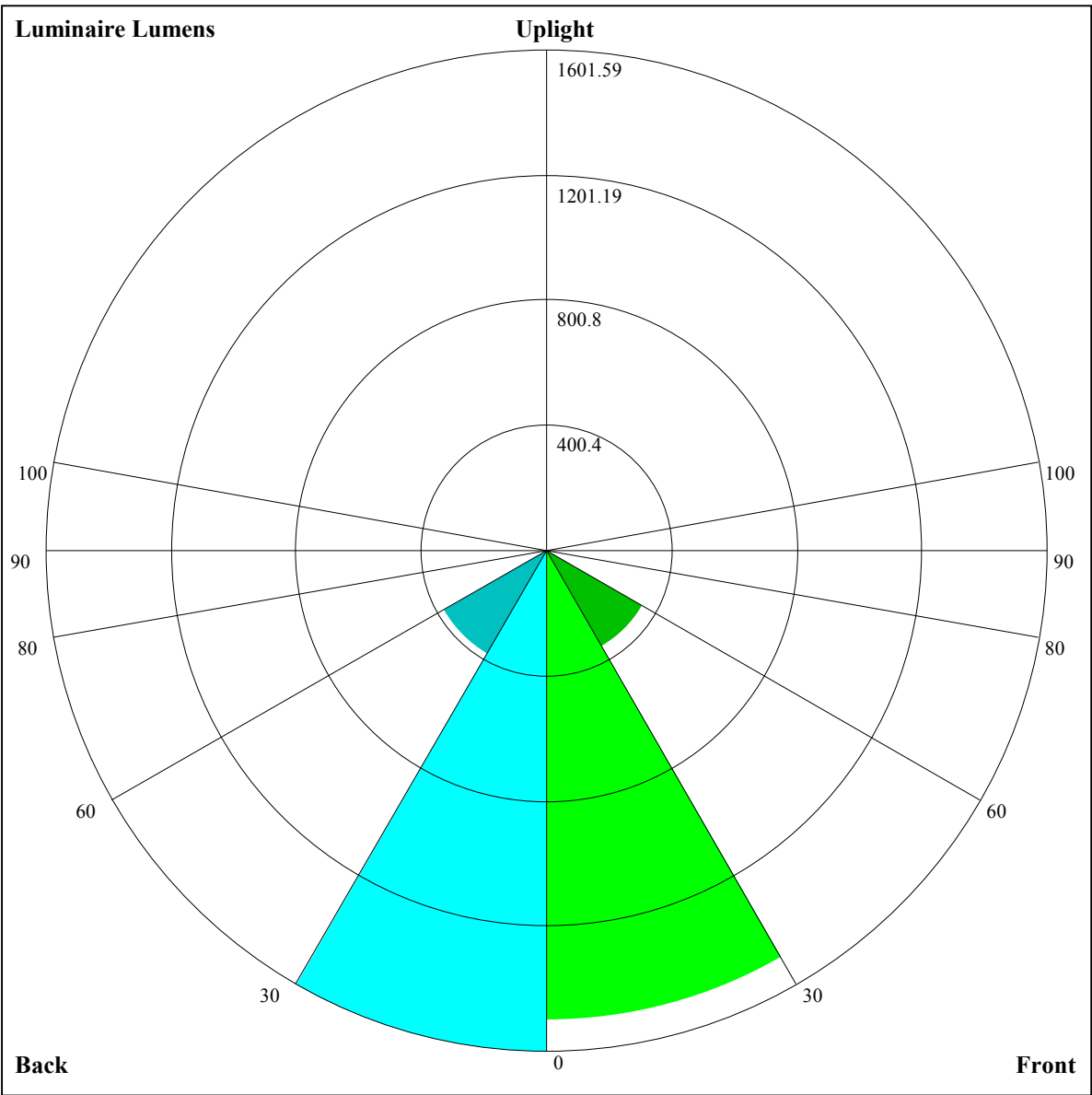
Illumination assessment according UGR											
Rf of Ceiling		70	70	50	50	30	70	70	50	50	30
Rf of Wall		50	30	50	30	30	50	30	50	30	30
Rf of Floor		20	20	20	20	20	20	20	20	20	20
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	17.76	18.69	18.12	19.00	19.32	18.22	19.15	18.58	19.46	19.78
	3H	17.60	18.43	17.98	18.76	19.11	18.05	18.88	18.44	19.22	19.56
	4H	17.54	18.31	17.94	18.67	19.03	17.99	18.76	18.39	19.11	19.48
	6H	17.54	18.24	17.96	18.62	19.02	17.98	18.68	18.40	19.06	19.46
	8H	17.53	18.20	17.95	18.59	18.99	17.96	18.63	18.38	19.02	19.42
	12H	17.54	18.17	17.97	18.57	18.99	17.96	18.60	18.39	18.99	19.41
4H	2H	17.45	18.22	17.85	18.57	18.94	17.91	18.67	18.31	19.03	19.40
	3H	17.28	17.92	17.70	18.32	18.74	17.72	18.37	18.15	18.77	19.18
	4H	17.29	17.84	17.73	18.27	18.72	17.72	18.28	18.16	18.71	19.15
	6H	17.30	17.79	17.77	18.24	18.70	17.72	18.21	18.19	18.66	19.11
	8H	17.35	17.81	17.84	18.27	18.74	17.76	18.21	18.25	18.67	19.15
	12H	17.45	17.87	17.94	18.32	18.84	17.84	18.26	18.33	18.71	19.23
8H	4H	17.13	17.59	17.62	18.05	18.52	17.56	18.02	18.05	18.48	18.95
	6H	17.19	17.57	17.70	18.05	18.56	17.60	17.97	18.11	18.45	18.97
	8H	17.35	17.66	17.89	18.19	18.68	17.74	18.05	18.28	18.57	19.07
	12H	17.53	17.77	18.07	18.29	18.81	17.90	18.13	18.44	18.65	19.18
12H	4H	17.09	17.51	17.58	17.97	18.49	17.52	17.94	18.01	18.39	18.92
	6H	17.21	17.53	17.75	18.05	18.55	17.62	17.93	18.15	18.45	18.95
	8H	17.36	17.60	17.91	18.12	18.64	17.74	17.98	18.29	18.50	19.02
Variation with the observer position at spacings:											
S = 1.0H		4.9/-9.7					4.9/-9.7				
S = 1.5H		7.5/-7.8					7.5/-7.8				
S = 2.0H		9.2/-6.5					9.2/-6.5				
Standard tables:		BK1					BK1				
Uncorrected UGR		-0.9					-0.9				

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	COEFFCIENTS OF UTILIZATION RHOFC=20 CU															
0	1.17	1.17	1.17	1.14	1.14	1.14	1.09	1.09	1.09	1.04	1.04	1.04	1.00	1.00	1.00	0.98
1	1.09	1.07	1.05	1.07	1.05	1.03	1.03	1.02	1.00	1.00	0.98	0.97	0.96	0.95	0.94	0.93
2	1.03	0.99	0.96	1.01	0.98	0.95	0.98	0.95	0.93	0.95	0.93	0.91	0.92	0.91	0.89	0.88
3	0.97	0.93	0.89	0.96	0.92	0.89	0.93	0.90	0.87	0.91	0.88	0.86	0.89	0.87	0.85	0.83
4	0.92	0.87	0.84	0.91	0.87	0.83	0.89	0.85	0.82	0.87	0.84	0.81	0.85	0.83	0.80	0.79
5	0.88	0.83	0.79	0.87	0.82	0.79	0.85	0.81	0.78	0.83	0.80	0.77	0.82	0.79	0.77	0.75
6	0.83	0.78	0.75	0.83	0.78	0.75	0.81	0.77	0.74	0.80	0.76	0.74	0.79	0.76	0.73	0.72
7	0.80	0.75	0.71	0.79	0.74	0.71	0.78	0.74	0.71	0.77	0.73	0.70	0.76	0.72	0.70	0.69
8	0.76	0.71	0.68	0.76	0.71	0.68	0.75	0.71	0.67	0.74	0.70	0.67	0.73	0.70	0.67	0.66
9	0.73	0.68	0.65	0.73	0.68	0.65	0.72	0.68	0.65	0.71	0.67	0.64	0.70	0.67	0.64	0.63
10	0.70	0.66	0.62	0.70	0.65	0.62	0.69	0.65	0.62	0.69	0.65	0.62	0.68	0.64	0.62	0.61





Luminaire Lumens:

FL=1500.33,FM=355.77,FH=16.51,FVH=8.57

BL=1601.59,BM=379.42,BH=16.49,BVH=8.57

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	12105.96	11679.98	11679.98	11530.75	11056.13	10573.90	10024.38	9397.02	8534.98
45.0	12100.11	12117.67	12029.89	11895.28	11661.19	11257.39	10847.73	10373.70	9712.39
90.0	12123.52	12076.70	11672.37	11672.37	11444.72	11069.00	10506.02	9976.97	9391.16
135.0	12094.26	12141.08	12117.67	12012.33	11860.17	11608.52	11269.09	10718.98	10168.87
180.0	12105.96	12135.23	12094.26	11959.66	11789.94	11462.22	11116.93	10683.87	10174.72
225.0	12100.11	12111.82	11677.05	11613.26	11315.97	10854.23	10418.23	9930.74	9401.11
270.0	12123.52	12088.41	11988.92	11784.09	11538.30	11222.27	10824.32	10233.24	9694.84
315.0	12094.26	11665.35	11665.35	11517.29	11041.50	10551.67	9965.86	9116.69	8365.85
360.0	12105.96	11679.98	11679.98	11530.75	11056.13	10573.90	10024.38	9397.02	8534.98
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	7809.30	7070.75	6332.19	5449.67	4802.41	4224.80	3597.44	3171.39	2744.76
45.0	9138.87	8547.80	7939.16	7172.52	6581.44	6007.92	5475.37	4843.32	4392.70
90.0	8769.66	7956.78	7292.55	6635.92	6002.71	5409.88	4728.09	4230.06	3695.75
135.0	9554.38	8682.40	7927.46	7143.26	6160.08	5410.99	4714.57	3936.22	3409.52
180.0	9449.04	8805.30	8114.73	7394.90	6487.80	5785.53	5118.38	4375.14	3836.74
225.0	8698.84	8122.40	7543.02	6964.24	6395.40	5713.02	5198.03	4595.83	4152.82
270.0	9103.76	8483.42	7827.97	7008.65	6347.35	5738.72	5007.19	4480.48	3883.55
315.0	7575.80	6582.67	5811.93	5084.49	4418.51	3699.27	3217.63	2814.41	2484.34
360.0	7809.30	7070.75	6332.19	5449.67	4802.41	4224.80	3597.44	3171.39	2744.76
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2467.37	2239.13	2053.03	1868.10	1751.05	1655.66	1577.24	1497.65	1444.98
45.0	3895.26	3538.27	3233.95	2953.05	2953.05	2460.93	2285.95	2101.02	1974.02
90.0	3325.89	3002.26	2661.08	2432.25	2237.37	2034.89	1903.21	1793.19	1699.55
135.0	2982.31	2982.31	2288.87	2074.68	1906.72	1775.05	1646.88	1567.29	1502.92
180.0	3351.00	2976.45	2976.45	2325.16	2070.00	1903.80	1774.46	1674.39	1570.80
225.0	3750.77	3308.34	3001.09	2733.64	2452.15	2265.46	2104.53	1966.41	1820.69
270.0	3456.34	3111.06	2953.05	2953.05	2272.49	2084.63	1911.40	1790.85	1691.94
315.0	2164.81	1970.51	1819.52	1677.90	1591.87	1508.77	1455.51	1410.45	1372.41
360.0	2467.37	2239.13	2053.03	1868.10	1751.05	1655.66	1577.24	1497.65	1444.98
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1398.75	1358.37	1314.47	1282.29	1241.32	1157.40	1157.40	1129.31	1011.91
45.0	1862.83	1766.85	1663.85	1593.63	1530.42	1458.44	1402.26	1353.10	1286.38
90.0	1598.31	1530.42	1471.90	1419.81	1361.29	1313.89	1255.37	1166.29	1142.65
135.0	1448.49	1392.31	1354.27	1321.50	1284.63	1257.12	1220.25	1193.33	1168.75
180.0	1507.01	1450.83	1401.09	1347.83	1311.55	1278.19	1241.32	1203.28	1174.61
225.0	1723.55	1637.52	1561.44	1478.92	1418.06	1362.46	1270.00	1142.18	1142.18
270.0	1609.43	1523.40	1464.88	1412.21	1353.68	1307.45	1267.66	1222.01	1158.22
315.0	1330.86	1301.01	1272.92	1246.59	1166.59	1166.59	1150.84	1095.07	969.89
360.0	1398.75	1358.37	1314.47	1282.29	1241.32	1157.40	1157.40	1129.31	1011.91
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	887.20	745.28	552.63	400.24	266.75	156.55	64.67	36.58	31.25
45.0	1193.33	1065.17	880.24	721.64	565.97	418.49	315.49	315.49	82.58
90.0	1030.93	865.20	718.89	529.63	387.65	258.03	149.52	76.14	44.36
135.0	1126.62	1016.01	893.70	750.32	599.33	413.81	310.81	310.81	64.08
180.0	1095.01	990.26	861.51	678.33	525.01	372.85	303.21	303.21	51.79
225.0	978.91	832.31	681.49	491.35	345.34	217.35	119.85	58.93	46.64
270.0	1020.69	887.26	743.88	594.65	447.17	306.72	306.72	74.79	42.43
315.0	841.85	698.76	511.43	364.54	233.10	106.51	50.45	30.84	26.22
360.0	887.20	745.28	552.63	400.24	266.75	156.55	64.67	36.58	31.25

Intensity data(cd)

Appendix Page: 19 Total:20

C/γ(°)	45.0	46.0	47.0	48.0	49.0	50.0	51.0	52.0	53.0
0.0	26.34	23.64	21.30	20.25	19.66	19.14	18.61	18.26	17.97
45.0	60.28	51.62	44.95	38.74	33.36	30.72	28.50	26.22	24.64
90.0	38.22	33.07	28.97	24.99	23.58	22.47	21.24	20.48	19.72
135.0	36.11	30.43	25.98	23.53	20.89	20.13	19.61	19.20	18.79
180.0	33.30	28.91	24.76	22.06	20.42	19.66	19.20	18.73	18.26
225.0	39.62	34.65	29.38	26.86	24.81	23.41	22.30	21.07	20.25
270.0	33.94	29.61	26.28	23.00	21.95	21.07	20.19	19.55	18.90
315.0	23.70	21.42	20.07	19.55	19.20	18.84	18.38	18.14	17.91
360.0	26.34	23.64	21.30	20.25	19.66	19.14	18.61	18.26	17.97
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	17.62	17.32	17.15	16.97	16.80	16.62	16.56	16.44	16.33
45.0	23.35	21.89	20.89	20.07	19.20	18.61	18.14	17.73	17.32
90.0	19.14	18.61	18.08	17.73	17.44	17.21	16.97	16.74	16.62
135.0	18.43	18.14	17.85	17.56	17.32	17.15	17.03	16.80	16.68
180.0	17.97	17.62	17.38	17.15	17.03	16.85	16.68	16.56	16.44
225.0	19.55	18.79	18.26	17.91	17.56	17.26	16.97	16.80	16.62
270.0	18.49	18.08	17.79	17.50	17.15	17.03	16.85	16.68	16.50
315.0	17.62	17.38	17.21	16.97	16.85	16.74	16.62	16.50	16.39
360.0	17.62	17.32	17.15	16.97	16.80	16.62	16.56	16.44	16.33
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	16.27	16.21	16.15	16.09	16.09	16.04	15.98	15.92	15.86
45.0	17.03	16.85	16.62	16.44	16.33	16.21	16.09	16.04	15.98
90.0	16.50	16.39	16.33	16.27	16.15	16.09	16.04	15.98	15.98
135.0	16.56	16.50	16.44	16.33	16.27	16.21	16.21	16.15	16.09
180.0	16.39	16.27	16.21	16.21	16.15	16.09	16.04	15.98	15.92
225.0	16.44	16.33	16.21	16.09	16.04	16.04	15.92	15.86	15.86
270.0	16.44	16.39	16.27	16.21	16.15	16.04	16.04	15.98	15.98
315.0	16.33	16.27	16.21	16.15	16.09	16.09	16.09	15.98	15.98
360.0	16.27	16.21	16.15	16.09	16.09	16.04	15.98	15.92	15.86
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	15.86	15.86	15.86	15.80	15.80	15.80	15.80	15.74	15.74
45.0	15.92	15.92	15.86	15.80	15.80	15.74	15.74	15.68	15.74
90.0	15.92	15.86	15.86	15.86	15.80	15.80	15.74	15.74	15.74
135.0	16.04	15.98	15.98	15.92	15.92	15.92	15.86	15.92	15.86
180.0	15.92	15.92	15.86	15.80	15.80	15.80	15.80	15.80	15.74
225.0	15.80	15.80	15.74	15.74	15.68	15.68	15.68	15.63	15.68
270.0	15.92	15.86	15.86	15.80	15.80	15.80	15.80	15.80	15.74
315.0	15.98	15.92	15.92	15.86	15.86	15.86	15.80	15.80	15.80
360.0	15.86	15.86	15.86	15.80	15.80	15.80	15.80	15.74	15.74
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	15.74	15.74	15.74	15.74	15.68	15.68	15.68	15.74	15.68
45.0	15.68	15.68	15.68	15.68	15.63	15.63	15.63	15.57	15.63
90.0	15.74	15.74	15.74	15.74	15.74	15.68	15.68	15.68	15.68
135.0	15.86	15.86	15.80	15.86	15.86	15.80	15.80	15.80	15.80
180.0	15.74	15.74	15.74	15.68	15.68	15.68	15.68	15.68	15.68
225.0	15.63	15.63	15.63	15.63	15.63	15.63	15.57	15.63	15.57
270.0	15.74	15.74	15.68	15.68	15.74	15.68	15.68	15.68	15.68
315.0	15.80	15.80	15.80	15.80	15.74	15.80	15.74	15.74	15.74
360.0	15.74	15.74	15.74	15.74	15.68	15.68	15.68	15.74	15.68

Intensity data(cd)

C/ $\gamma(^{\circ})$	90.0
0.0	15.74
45.0	15.57
90.0	15.68
135.0	15.74
180.0	15.68
225.0	15.57
270.0	15.68
315.0	15.74
360.0	15.74