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NT

Client: NT

LumCAT: 61-0214

Luminaire: 92.70.427.00

Report No: 2024926-B010

Ballast type: AC

Test No: 2024826-C010

Voltage(V): 35.240

LampCAT: CITIZEN CLU028 LES9.8

Current(A): 0.361

Lamp flux(lm): 1612.4

Power (W): 12.721

Number of Lamps: 1

PF: 0.000

Length(mm): 50

Width(mm): 50

Phm Type: C

Height(mm): 24

### Photometric Results

Lumens(lm): 1506.47, Efficiency(%): 93.43% , Luminous Efficacy(lm/W): 118.42

Central intensity(cd): 8703.524, Maximum intensity(cd): 8703.524

Angle of maximum intensity: C=0.0  $\gamma$ =0.0

Beam Angle(50%Imax): [C0/180]Total=18.4

[C90/270]Total=18.4

Field angle(10%Imax): [C0/180]Total=41.4

[C90/270]Total=41.4

Maximum s/h(1/2): C0\_180=0.31 C90\_270=0.31

Maximum s/h(1/4): C0\_180=0.35 C90\_270=0.35

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 93.43%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in  $\pi$  solid angle : 96.275%

Equipment: GMS1980  
Temperature(°C): 25.0

Date: 2024/8/26  
Humidity(%): 60.0%

Operator: NT07  
Distance(m): 7.65

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	8703.525	0.000	0	0.00%	0.00%
1.0	8630.298	8.294	8.294	0.51%	0.55%
2.0	8364.606	24.393	32.687	1.51%	2.17%
3.0	7970.896	39.069	71.756	2.42%	4.76%
4.0	7447.559	51.611	123.366	3.20%	8.19%
5.0	6865.260	61.573	184.939	3.82%	12.28%
6.0	6251.871	68.934	253.873	4.28%	16.85%
7.0	5628.094	73.739	327.612	4.57%	21.75%
8.0	5003.952	76.092	403.704	4.72%	26.80%
9.0	4434.455	76.493	480.197	4.74%	31.88%
10.0	3916.677	75.575	555.771	4.69%	36.89%
11.0	3505.629	74.164	629.935	4.60%	41.82%
12.0	3100.288	72.212	702.148	4.48%	46.61%
13.0	2735.693	69.258	771.406	4.30%	51.21%
14.0	2406.943	65.825	837.231	4.08%	55.58%
15.0	2117.183	62.109	899.34	3.85%	59.70%
16.0	1817.914	57.660	957.001	3.58%	63.53%
17.0	1504.518	51.739	1008.74	3.21%	66.96%
18.0	1321.716	46.598	1055.338	2.89%	70.05%
19.0	1161.130	43.196	1098.535	2.68%	72.92%
20.0	975.307	39.103	1137.638	2.43%	75.52%
21.0	813.946	34.357	1171.995	2.13%	77.80%
22.0	670.631	29.833	1201.828	1.85%	79.78%
23.0	554.713	25.711	1227.539	1.59%	81.48%
24.0	447.778	21.918	1249.457	1.36%	82.94%
25.0	364.449	18.468	1267.925	1.15%	84.17%
26.0	300.111	15.687	1283.612	0.97%	85.21%
27.0	258.911	13.677	1297.289	0.85%	86.11%
28.0	216.884	12.046	1309.335	0.75%	86.91%
29.0	167.089	10.046	1319.381	0.62%	87.58%
30.0	136.511	8.197	1327.578	0.51%	88.13%
31.0	116.643	7.045	1334.623	0.44%	88.59%
32.0	102.085	6.266	1340.889	0.39%	89.01%
33.0	90.673	5.679	1346.568	0.35%	89.39%
34.0	81.880	5.222	1351.79	0.32%	89.73%
35.0	75.472	4.887	1356.677	0.30%	90.06%
36.0	70.505	4.648	1361.325	0.29%	90.37%
37.0	66.218	4.459	1365.784	0.28%	90.66%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	62.729	4.304	1370.088	0.27%	90.95%
39.0	59.825	4.183	1374.271	0.26%	91.22%
40.0	57.476	4.091	1378.362	0.25%	91.50%
41.0	55.209	4.013	1382.375	0.25%	91.76%
42.0	53.314	3.943	1386.317	0.24%	92.02%
43.0	51.544	3.884	1390.202	0.24%	92.28%
44.0	50.081	3.836	1394.037	0.24%	92.54%
45.0	48.720	3.797	1397.834	0.24%	92.79%
46.0	47.586	3.766	1401.601	0.23%	93.04%
47.0	46.474	3.741	1405.342	0.23%	93.29%
48.0	45.465	3.717	1409.058	0.23%	93.53%
49.0	44.477	3.694	1412.752	0.23%	93.78%
50.0	43.482	3.667	1416.419	0.23%	94.02%
51.0	42.436	3.635	1420.054	0.23%	94.26%
52.0	41.427	3.599	1423.653	0.22%	94.50%
53.0	40.373	3.558	1427.211	0.22%	94.74%
54.0	39.239	3.509	1430.72	0.22%	94.97%
55.0	38.084	3.452	1434.172	0.21%	95.20%
56.0	36.906	3.389	1437.56	0.21%	95.43%
57.0	35.633	3.317	1440.877	0.21%	95.65%
58.0	34.426	3.240	1444.117	0.20%	95.86%
59.0	33.219	3.162	1447.279	0.20%	96.07%
60.0	31.895	3.076	1450.355	0.19%	96.28%
61.0	30.717	2.988	1453.343	0.19%	96.47%
62.0	29.459	2.900	1456.243	0.18%	96.67%
63.0	28.127	2.801	1459.044	0.17%	96.85%
64.0	26.935	2.702	1461.745	0.17%	97.03%
65.0	25.779	2.609	1464.354	0.16%	97.20%
66.0	24.616	2.514	1466.869	0.16%	97.37%
67.0	23.468	2.418	1469.286	0.15%	97.53%
68.0	22.334	2.320	1471.607	0.14%	97.69%
69.0	21.324	2.227	1473.834	0.14%	97.83%
70.0	20.234	2.134	1475.968	0.13%	97.98%
71.0	19.334	2.045	1478.013	0.13%	98.11%
72.0	18.515	1.968	1479.981	0.12%	98.24%
73.0	17.805	1.899	1481.881	0.12%	98.37%
74.0	17.154	1.838	1483.718	0.11%	98.49%
75.0	16.569	1.782	1485.5	0.11%	98.61%

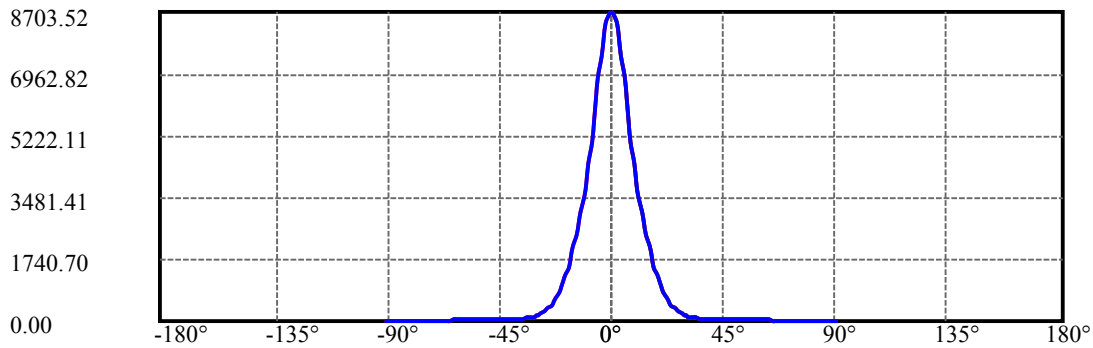
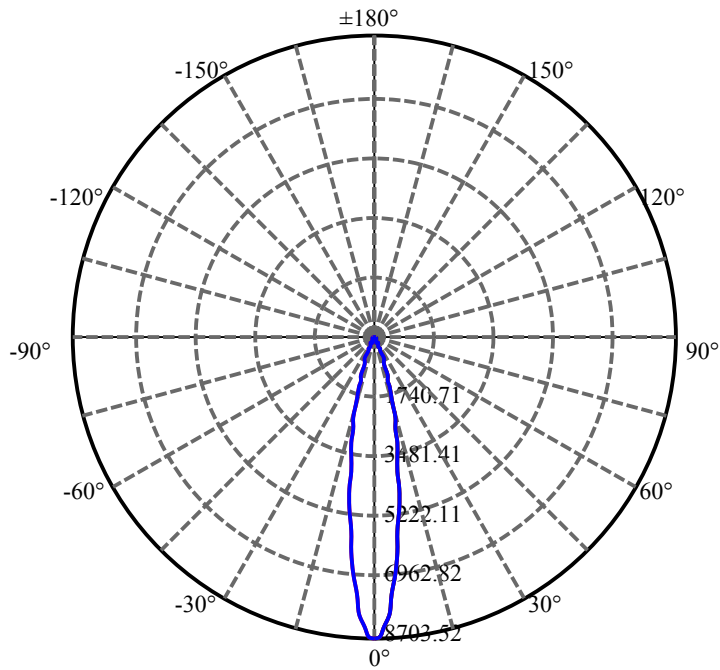
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	15.969	1.727	1487.228	0.11%	98.72%
77.0	15.428	1.674	1488.902	0.10%	98.83%
78.0	14.945	1.626	1490.527	0.10%	98.94%
79.0	14.470	1.580	1492.108	0.10%	99.05%
80.0	13.965	1.533	1493.641	0.10%	99.15%
81.0	13.526	1.487	1495.128	0.09%	99.25%
82.0	13.036	1.440	1496.568	0.09%	99.34%
83.0	12.575	1.392	1497.96	0.09%	99.44%
84.0	12.173	1.348	1499.308	0.08%	99.52%
85.0	11.924	1.315	1500.624	0.08%	99.61%
86.0	11.580	1.285	1501.908	0.08%	99.70%
87.0	10.951	1.233	1503.141	0.08%	99.78%
88.0	10.293	1.164	1504.305	0.07%	99.86%
89.0	9.861	1.105	1505.41	0.07%	99.93%
90.0	9.495	1.061	1506.471	0.07%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1327.58	82.34%	88.13%
0-40	1378.36	85.48%	91.50%
0-60	1450.36	89.95%	96.28%
0-90	1505.41	93.36%	99.93%
0-120	1505.41	93.36%	99.93%
0-180	1506.47	93.43%	100.00%
60-90	55.05	3.41%	3.65%
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%
0-22.13	1205.18	74.74%	80.00%

ZONAL LUMEN SUMMARY

0-10	555.77
10-20	581.87
20-30	189.94
30-40	50.78
40-50	38.06
50-60	33.94
60-70	25.61
70-80	17.67
80-90	11.77
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



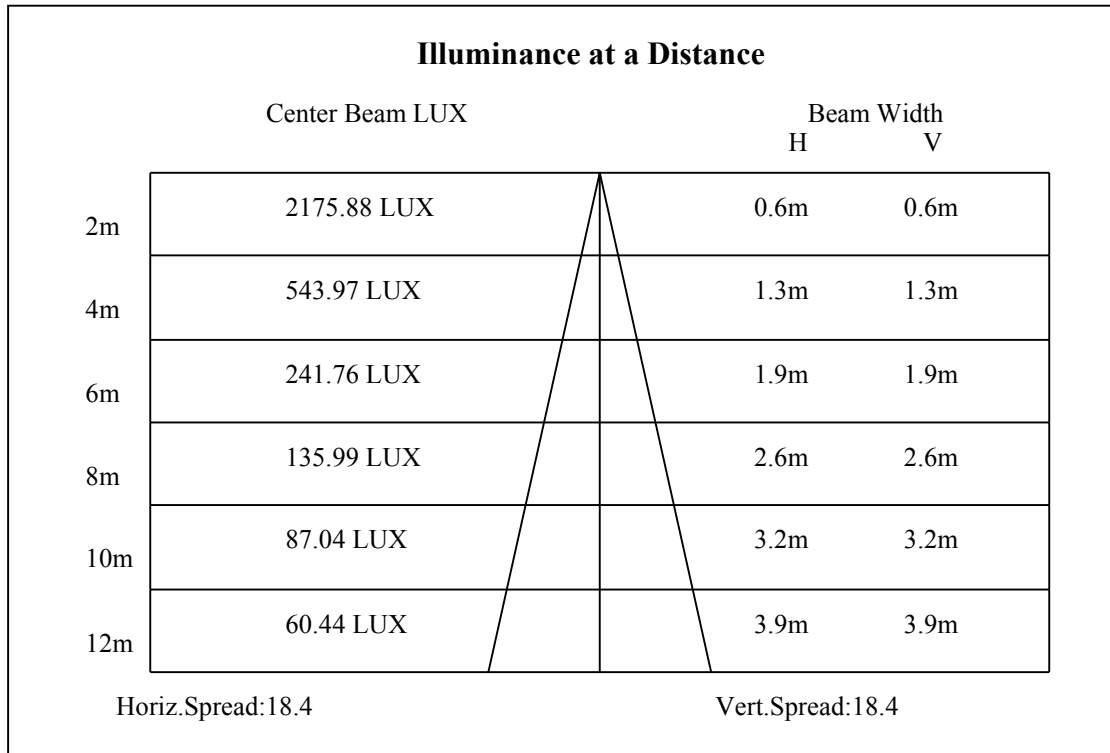
C0(Max): —————

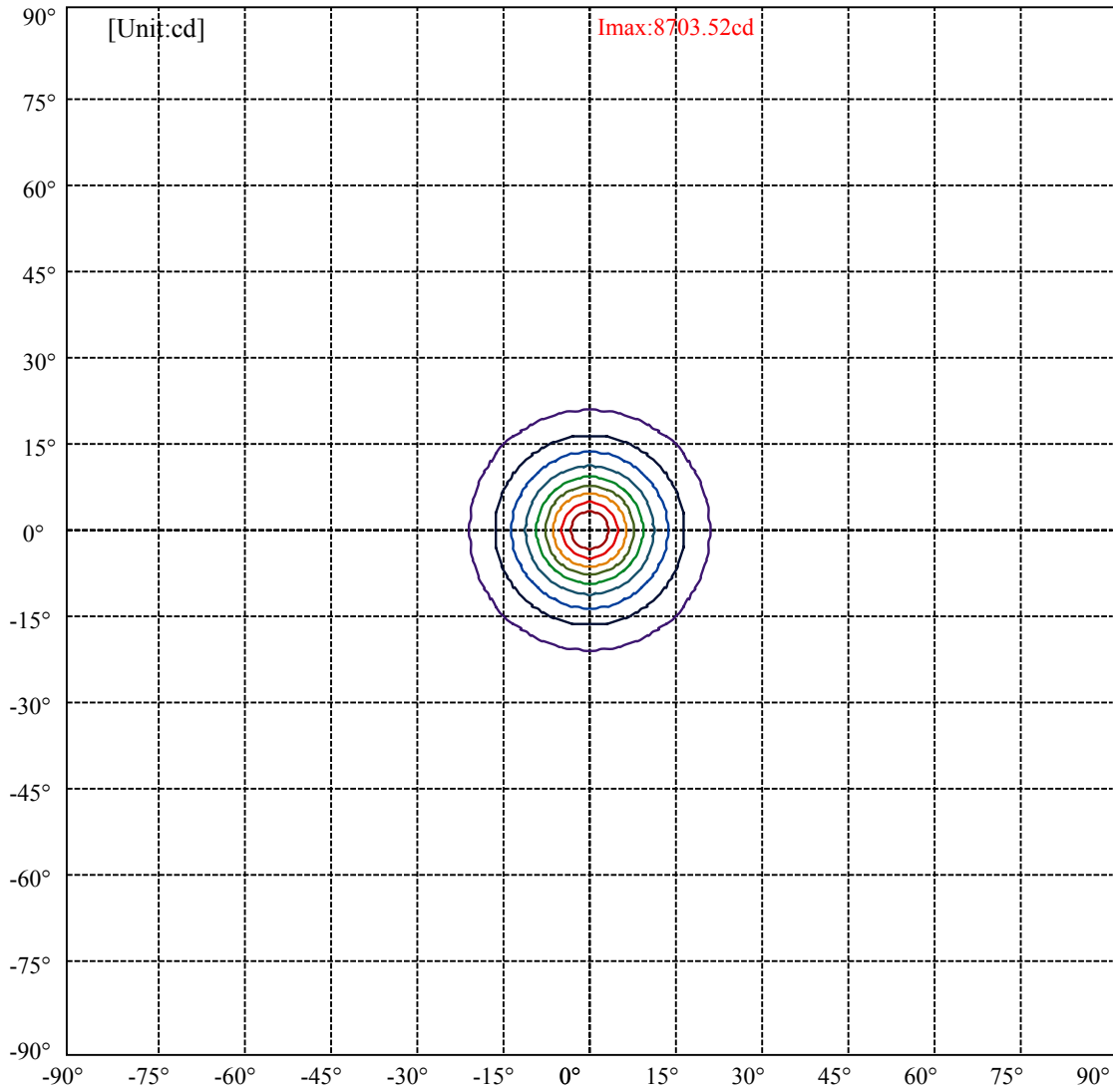
C0/C180: —————

C90/C270: —————

Field angle(10%Imax):C0/180Left:20.7 Right:20.7  
:C90/270Left:20.7 Right:20.7

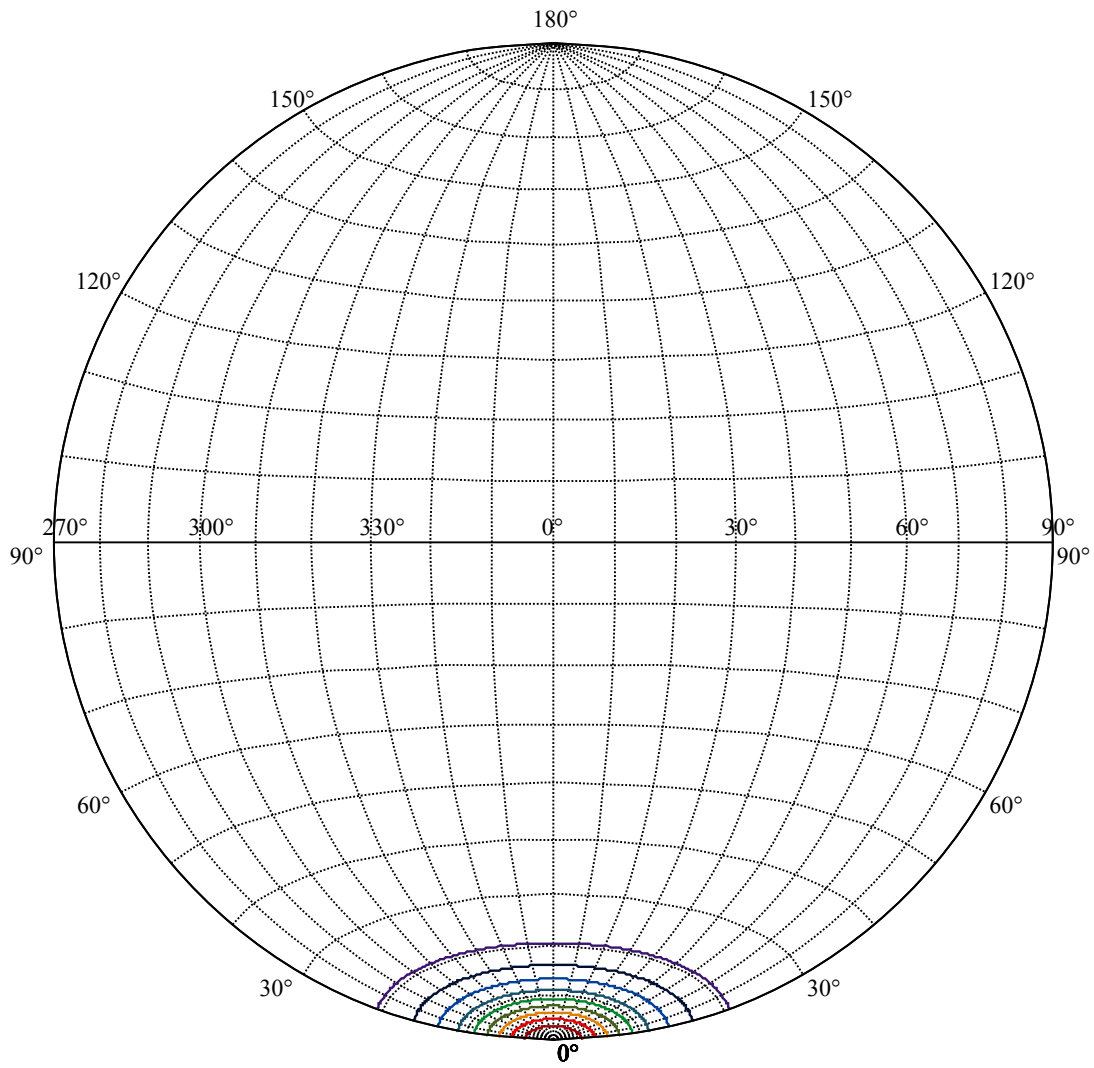
Beam Angle(50%Imax):C0/180Left:9.2 Right:9.2  
:C90/270Left:9.2 Right:9.2





(10%Imax) 870.352	—
(20%Imax) 1740.7	—
(30%Imax) 2611.06	—
(40%Imax) 3481.41	—
(50%Imax) 4351.76	—
(60%Imax) 5222.11	—
(70%Imax) 6092.47	—
(80%Imax) 6962.82	—
(90%Imax) 7833.17	—





House

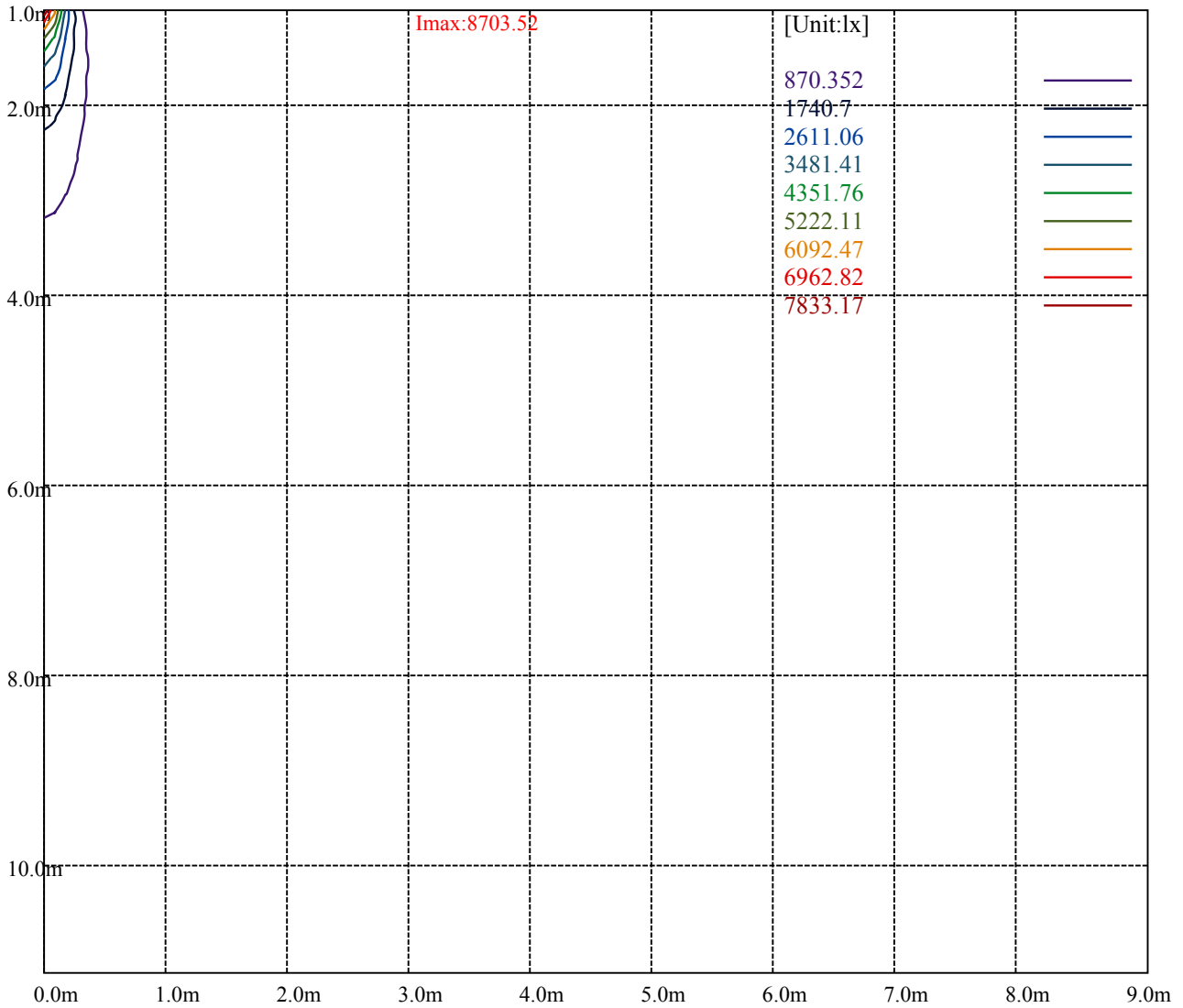
[Unit:cd]

Road

**Imax:8703.52**

(10%Imax)	870.352	—
(20%Imax)	1740.7	—
(30%Imax)	2611.06	—
(40%Imax)	3481.41	—
(50%Imax)	4351.76	—
(60%Imax)	5222.11	—
(70%Imax)	6092.47	—
(80%Imax)	6962.82	—
(90%Imax)	7833.17	—





Luminance Table

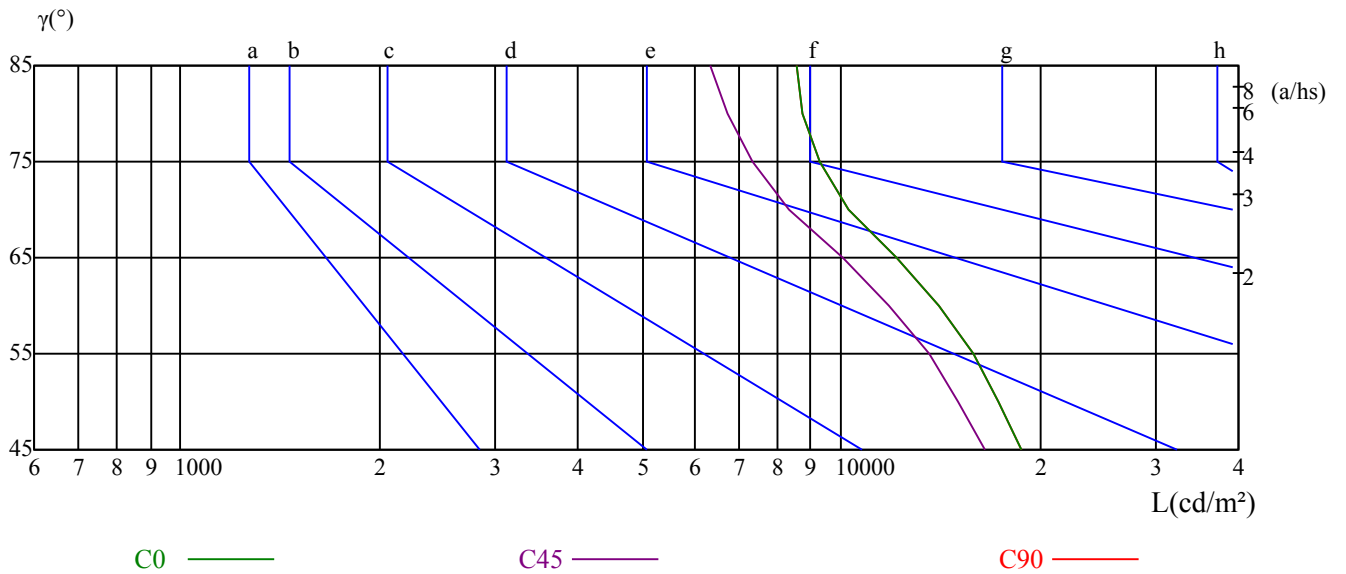
$\gamma$	45	50	55	60	65	70	75	80	85
C0	18723	17317	15865	14039	12126	10303	9273	8749	8557
C45	16528	15070	13597	11834	10035	8350	7335	6722	6341
C90	18723	17317	15865	14039	12126	10303	9273	8749	8557

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
24399	24399	24399	25607	25607	25607	54725	54725	54725

Glare Table

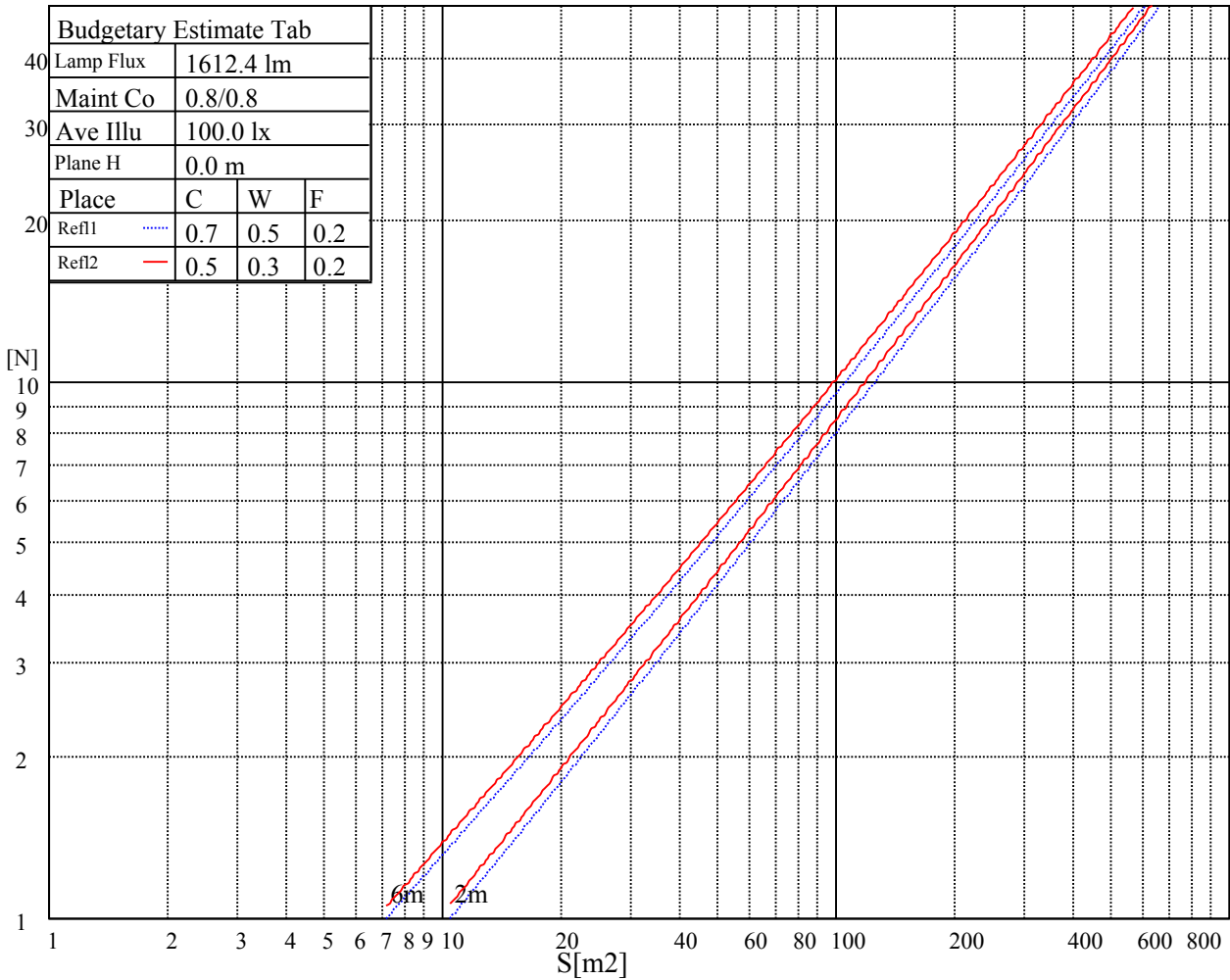
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

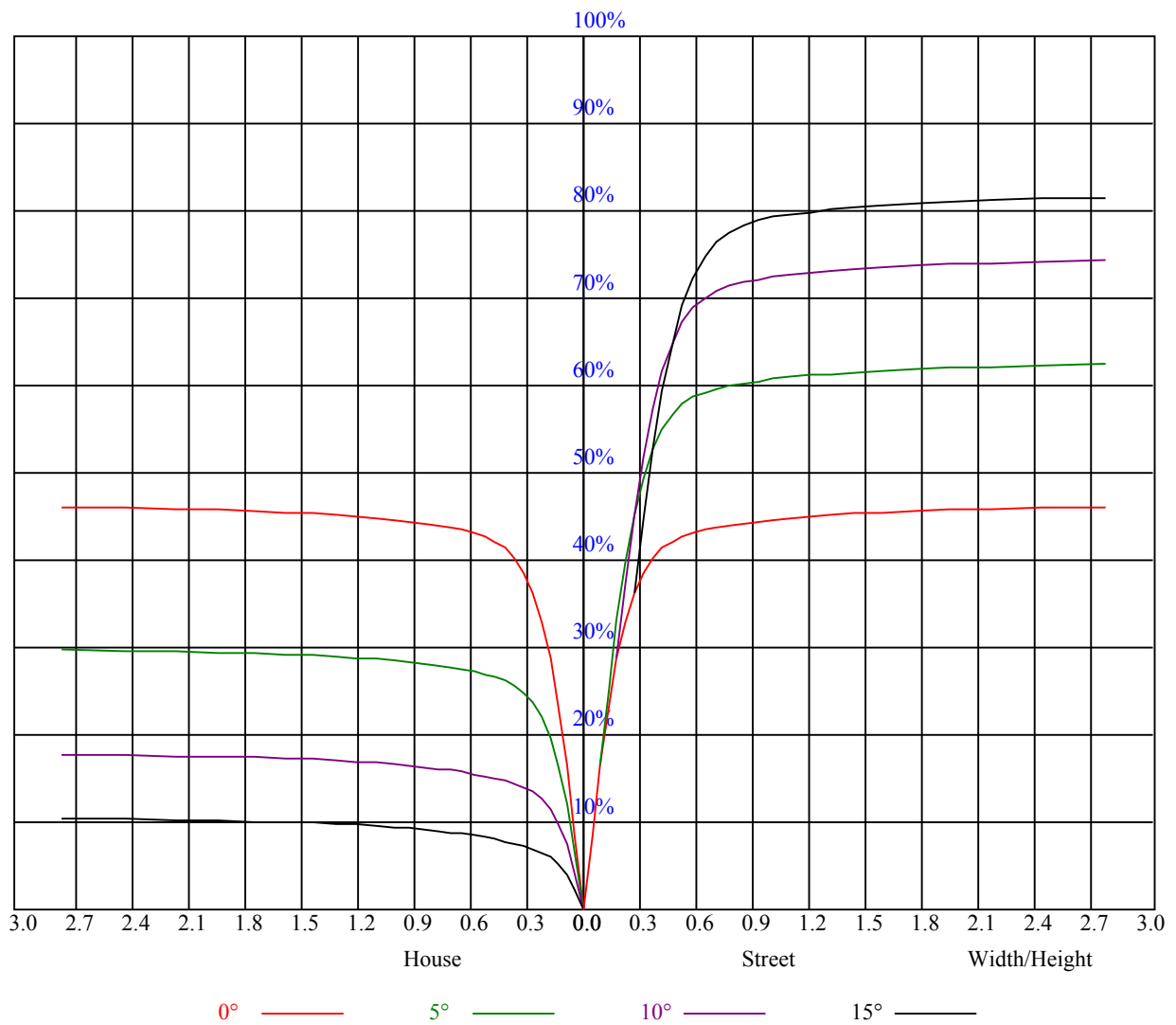


Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	15.50	16.51	15.86	16.82	17.14	15.20	16.21	15.56	16.52	16.84
	3H	16.93	17.84	17.32	18.18	18.52	16.49	17.39	16.88	17.73	18.08
	4H	17.52	18.36	17.92	18.72	19.09	17.07	17.91	17.47	18.27	18.63
	6H	18.15	18.92	18.57	19.30	19.70	17.70	18.47	18.12	18.85	19.25
	8H	18.45	19.19	18.87	19.57	19.98	18.00	18.73	18.42	19.12	19.52
	12H	18.76	19.46	19.19	19.85	20.27	18.30	19.00	18.73	19.39	19.81
4H	2H	15.96	16.80	16.36	17.16	17.52	15.72	16.56	16.12	16.91	17.28
	3H	17.52	18.22	17.94	18.62	19.04	17.15	17.86	17.57	18.25	18.67
	4H	18.28	18.90	18.72	19.32	19.77	17.91	18.52	18.35	18.95	19.39
	6H	19.03	19.57	19.50	20.03	20.48	18.65	19.19	19.12	19.64	20.10
	8H	19.44	19.94	19.92	20.40	20.87	19.04	19.55	19.53	20.01	20.48
	12H	19.86	20.33	20.35	20.78	21.30	19.46	19.93	19.95	20.38	20.90
8H	4H	18.47	18.97	18.95	19.43	19.91	18.14	18.64	18.62	19.10	19.57
	6H	19.39	19.81	19.90	20.29	20.80	19.06	19.47	19.56	19.95	20.46
	8H	19.97	20.32	20.50	20.84	21.34	19.63	19.98	20.16	20.50	21.00
	12H	20.55	20.82	21.09	21.34	21.86	20.19	20.47	20.74	20.98	21.51
12H	4H	18.49	18.96	18.98	19.41	19.93	18.17	18.64	18.66	19.09	19.61
	6H	19.52	19.87	20.05	20.39	20.88	19.20	19.55	19.73	20.07	20.57
	8H	20.12	20.39	20.66	20.91	21.43	19.79	20.07	20.33	20.58	21.10
Variation with the observer position at spacings:											
S = 1.0H	0.2/-0.7					0.2/-0.7					
S = 1.5H	0.6/-0.7					0.6/-0.7					
S = 2.0H	0.9/-0.9					0.9/-0.9					
Standard tables:	BKBF					BKBF					
Uncorrected UGR	4.2					4.2					

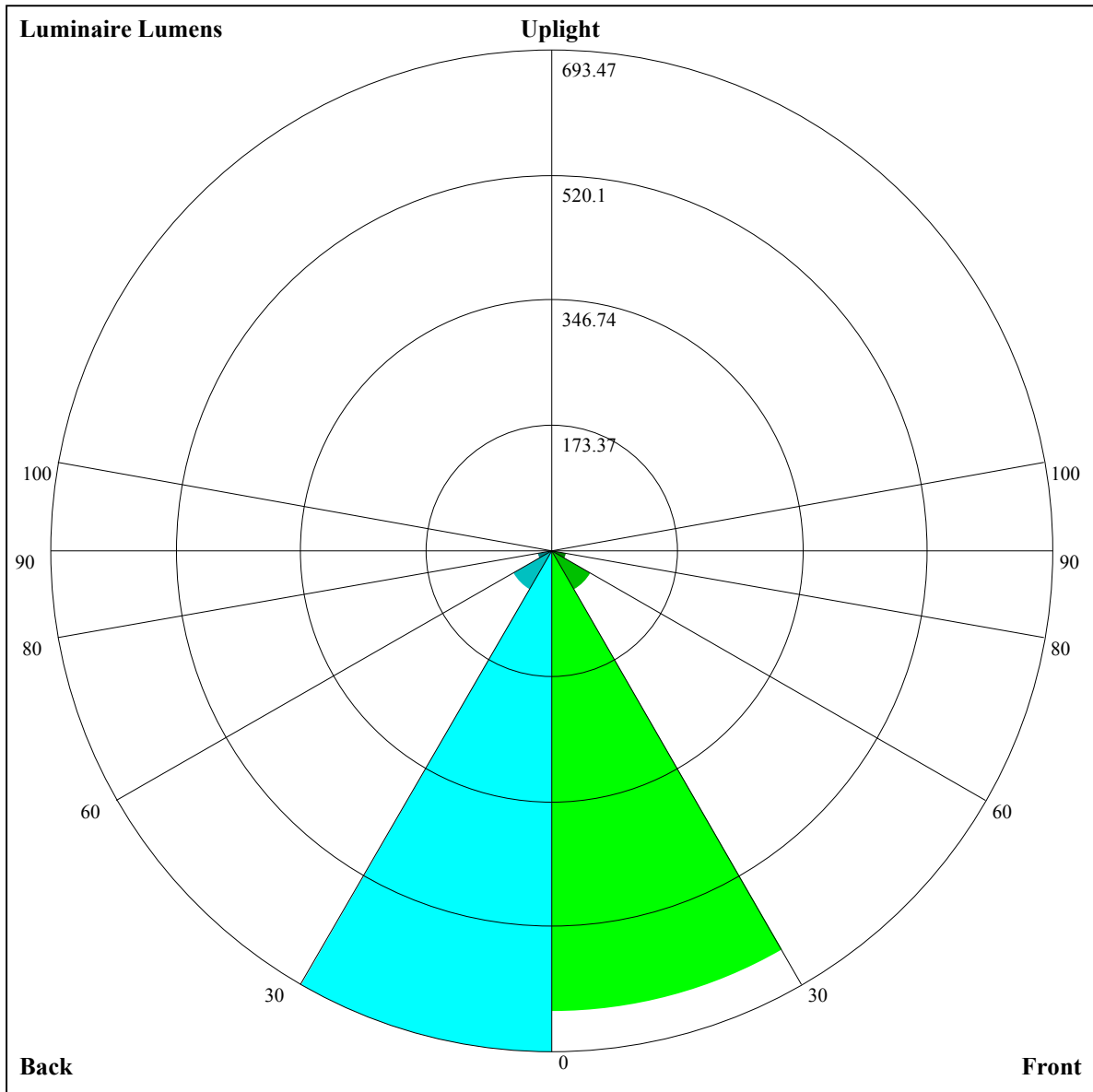
UGR calculation is based on CIE Publ. 117 ,S/H = 0.25



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 RHOF=20 CU															
0	1.11	1.11	1.11	1.09	1.09	1.09	1.04	1.04	1.04	0.99	0.99	0.99	0.95	0.95	0.95	0.93
1	1.04	1.02	1.00	1.02	1.00	0.99	0.99	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.90	0.89
2	0.99	0.95	0.93	0.97	0.94	0.92	0.94	0.92	0.90	0.91	0.89	0.88	0.89	0.87	0.86	0.85
3	0.94	0.90	0.87	0.93	0.89	0.86	0.90	0.87	0.85	0.88	0.86	0.84	0.86	0.84	0.82	0.81
4	0.90	0.86	0.83	0.89	0.85	0.82	0.87	0.84	0.81	0.85	0.82	0.80	0.84	0.81	0.79	0.78
5	0.86	0.82	0.79	0.85	0.82	0.79	0.84	0.81	0.78	0.83	0.80	0.77	0.81	0.79	0.77	0.75
6	0.83	0.79	0.76	0.83	0.79	0.76	0.81	0.78	0.75	0.80	0.77	0.75	0.79	0.76	0.74	0.73
7	0.80	0.76	0.73	0.80	0.76	0.73	0.79	0.75	0.73	0.78	0.75	0.72	0.77	0.74	0.72	0.71
8	0.78	0.74	0.71	0.77	0.73	0.71	0.77	0.73	0.70	0.76	0.73	0.70	0.75	0.72	0.70	0.69
9	0.76	0.72	0.69	0.75	0.71	0.69	0.74	0.71	0.68	0.74	0.71	0.68	0.73	0.70	0.68	0.67
10	0.74	0.70	0.67	0.73	0.69	0.67	0.73	0.69	0.67	0.72	0.69	0.67	0.71	0.68	0.66	0.65







Luminaire Lumens:

FL=638.62,FM=61.37,FH=21.54,FVH=6.41

BL=693.47,BM=62.32,BH=21.67,BVH=6.42

UL=0,UH=0

BUG Rating:B2-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	8641.49	8399.21	8011.20	7535.42	6845.44	6263.72	5683.76	4976.23	4446.60
45.0	8788.97	8676.60	8417.35	7891.82	7384.43	6796.86	6061.82	5472.50	4906.58
90.0	8646.17	8364.09	7812.23	7297.81	6706.74	6103.96	5378.28	4821.14	4318.43
135.0	8737.47	8732.79	8574.19	8167.46	7689.33	7116.98	6539.95	5949.46	5203.88
180.0	8641.49	8736.30	8652.02	8422.62	8047.49	7459.92	6902.79	6302.93	5545.07
225.0	8788.97	8745.66	8499.87	8154.58	7695.18	7030.37	6446.31	5838.85	5253.62
270.0	8646.17	8789.55	8727.52	8510.99	8071.48	7591.60	7047.34	6453.33	5703.08
315.0	8737.47	8598.18	8222.47	7786.48	7140.39	6558.68	5954.72	5210.32	4654.35
360.0	8641.49	8399.21	8011.20	7535.42	6845.44	6263.72	5683.76	4976.23	4446.60
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	3859.62	3456.40	3095.31	2756.47	2374.32	2101.60	1849.95	1614.11	1164.31
45.0	4264.59	3819.24	3420.70	2977.68	2654.05	2357.93	2079.36	1762.76	1536.27
90.0	3873.66	3389.10	3030.35	2706.14	2405.92	2061.22	1814.26	1365.39	1134.52
135.0	4660.21	4065.03	3655.37	3274.98	2848.35	2529.99	2241.47	1905.55	1663.27
180.0	4979.15	4319.02	3846.16	3434.74	2978.85	2649.37	2339.79	2068.24	1769.78
225.0	4550.18	4066.20	3631.96	3159.10	2821.43	2444.54	2158.37	1895.60	1654.49
270.0	5133.65	4598.17	4115.95	3581.64	3208.26	2870.00	2476.15	2197.58	1947.69
315.0	4154.57	3620.26	3249.23	2911.55	2594.36	2240.89	1978.12	1734.08	1165.83
360.0	3859.62	3456.40	3095.31	2756.47	2374.32	2101.60	1849.95	1614.11	1164.31
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1164.31	990.79	835.64	669.03	556.14	458.76	359.27	295.83	245.27
45.0	1328.52	1142.42	931.74	783.67	624.49	518.57	426.10	333.05	302.03
90.0	1134.52	925.07	777.65	648.60	537.82	421.95	346.75	286.23	226.89
135.0	1446.73	1250.10	1026.54	866.78	728.08	605.77	477.60	392.16	320.76
180.0	1535.10	1324.42	1126.03	911.84	767.29	640.29	533.78	421.42	345.93
225.0	1142.48	1142.48	1009.63	853.67	684.77	568.72	469.58	385.43	301.86
270.0	1656.25	1436.20	1183.97	1011.91	854.49	716.37	572.41	474.68	389.23
315.0	1165.83	1077.57	911.25	766.06	611.97	507.27	396.72	326.79	268.91
360.0	1164.31	990.79	835.64	669.03	556.14	458.76	359.27	295.83	245.27
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	194.82	163.92	140.34	117.57	103.82	93.17	84.92	77.13	72.16
45.0	302.03	184.99	150.23	129.45	113.24	100.48	88.37	81.11	75.38
90.0	189.14	159.59	136.36	118.22	100.95	90.42	80.76	74.67	69.93
135.0	304.96	238.95	170.07	139.11	119.97	105.28	91.35	83.10	76.78
180.0	299.11	299.11	183.70	147.89	126.06	109.14	96.27	84.27	77.19
225.0	247.37	204.19	162.58	137.70	114.24	100.13	89.42	81.40	73.74
270.0	320.76	306.13	242.75	172.47	144.90	119.74	104.99	91.06	83.16
315.0	213.08	178.20	150.70	129.69	109.96	98.32	89.31	82.28	75.44
360.0	194.82	163.92	140.34	117.57	103.82	93.17	84.92	77.13	72.16
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	68.12	64.73	61.10	58.70	56.06	54.13	52.49	50.62	49.33
45.0	70.46	65.72	62.50	58.87	56.59	54.54	52.26	50.74	49.33
90.0	65.19	62.15	59.52	56.88	55.07	53.43	51.91	50.33	49.04
135.0	71.51	66.36	63.03	60.34	58.00	55.65	53.96	52.03	50.74
180.0	71.81	67.36	63.09	60.28	57.94	55.19	53.31	51.21	49.74
225.0	69.06	65.31	62.15	58.99	56.65	54.78	52.61	51.09	49.69
270.0	76.84	70.81	66.89	63.73	60.98	58.05	55.95	54.13	52.55
315.0	71.05	67.30	63.56	60.80	58.52	55.89	54.02	52.20	50.21
360.0	68.12	64.73	61.10	58.70	56.06	54.13	52.49	50.62	49.33

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	48.16	46.99	46.06	45.30	44.42	43.42	42.60	41.79	40.91
45.0	47.87	46.88	45.88	45.00	43.89	42.96	42.02	41.14	39.97
90.0	48.11	47.11	45.88	45.00	44.07	42.78	41.73	40.32	39.21
135.0	49.45	48.16	47.17	46.29	45.12	44.13	43.13	42.08	40.79
180.0	48.57	47.40	46.23	45.24	44.36	43.48	42.43	41.55	40.61
225.0	48.28	47.29	46.35	45.06	44.24	43.31	42.37	41.32	40.44
270.0	50.62	49.33	48.28	46.88	45.82	44.89	43.66	42.72	41.61
315.0	48.69	47.52	45.94	44.95	43.89	42.90	41.55	40.50	39.44
360.0	48.16	46.99	46.06	45.30	44.42	43.42	42.60	41.79	40.91
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	39.91	38.98	37.98	36.81	35.87	34.59	33.53	32.60	31.43
45.0	38.92	37.81	36.40	35.23	33.77	32.60	31.49	30.26	28.79
90.0	38.04	36.75	35.23	33.94	32.71	31.49	29.90	28.73	27.51
135.0	39.74	38.57	37.51	35.93	34.76	33.47	31.89	30.72	29.50
180.0	39.62	38.39	37.40	36.11	34.94	33.88	32.36	31.19	30.02
225.0	39.27	38.04	36.99	35.82	34.76	33.30	32.19	30.72	29.55
270.0	40.26	39.15	37.98	36.81	35.35	34.24	33.07	31.89	30.43
315.0	38.16	36.99	35.76	34.41	33.24	32.19	30.72	29.61	28.44
360.0	39.91	38.98	37.98	36.81	35.87	34.59	33.53	32.60	31.43
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	30.02	29.03	27.86	26.63	24.99	23.64	22.36	20.89	19.96
45.0	27.56	26.39	25.28	24.05	22.94	21.89	20.89	19.72	18.96
90.0	26.04	24.93	23.94	22.59	21.65	20.72	19.61	18.79	18.08
135.0	27.97	26.74	25.63	24.29	23.29	22.30	21.42	20.19	19.37
180.0	28.56	27.45	26.28	25.28	23.88	22.94	22.00	21.07	20.01
225.0	28.27	26.86	25.69	24.64	23.58	22.30	21.30	20.31	19.37
270.0	29.32	28.15	26.74	25.63	24.58	23.29	22.30	21.13	20.19
315.0	27.27	25.93	24.81	23.82	22.82	21.59	20.72	19.78	18.73
360.0	30.02	29.03	27.86	26.63	24.99	23.64	22.36	20.89	19.96
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	19.14	18.26	17.67	17.15	16.39	15.86	15.33	14.86	14.34
45.0	17.97	17.38	16.74	16.04	15.57	15.10	14.63	14.10	13.64
90.0	17.38	16.80	16.27	15.80	15.16	14.69	14.28	13.81	13.28
135.0	18.61	17.85	17.09	16.62	16.04	15.51	15.10	14.51	14.05
180.0	19.20	18.49	17.79	17.21	16.39	15.80	15.27	14.81	14.16
225.0	18.49	17.85	17.26	16.56	16.04	15.45	14.98	14.57	14.10
270.0	19.31	18.55	17.73	17.09	16.56	15.98	15.39	14.98	14.51
315.0	18.02	17.26	16.68	16.09	15.63	15.04	14.57	14.10	13.64
360.0	19.14	18.26	17.67	17.15	16.39	15.86	15.33	14.86	14.34
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	13.93	13.46	12.99	12.58	12.70	12.17	11.29	10.65	10.36
45.0	13.28	12.76	12.35	11.88	11.59	11.41	10.71	10.12	9.71
90.0	12.87	12.41	12.00	11.70	11.70	11.18	10.42	9.89	9.60
135.0	13.64	13.05	12.58	12.17	11.70	11.53	11.24	10.42	9.95
180.0	13.69	13.17	12.70	12.23	11.82	11.76	11.41	10.48	9.95
225.0	13.64	13.23	12.70	12.23	11.88	11.35	10.71	10.18	9.66
270.0	13.99	13.58	12.99	12.58	12.23	12.17	11.29	10.65	10.12
315.0	13.17	12.64	12.29	12.00	11.76	11.06	10.53	9.95	9.54
360.0	13.93	13.46	12.99	12.58	12.70	12.17	11.29	10.65	10.36

Intensity data(cd)

C/γ(°)	90.0
0.0	10.01
45.0	9.54
90.0	9.31
135.0	9.48
180.0	9.36
225.0	9.19
270.0	9.60
315.0	9.48
360.0	10.01