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NT

Client: NT

LumCAT: 61-0242

Luminaire: 92.70.458.00

Report No: 20250118-B007

Ballast type: AC

Test No: 20250118-C007

Voltage(V): 36.760

LampCAT: CITIZEN CLU7A2

Current(A): 0.176

Lamp flux(lm): 707.0

Power (W): 6.469

Number of Lamps: 1

PF: 0.000

Length(mm): 28

Width(mm): 28

Phm Type: C

Height(mm): 14

Photometric Results

Lumens(lm): 675.21, Efficiency(%): 95.51% , Luminous Efficacy(lm/W): 104.38

Central intensity(cd): 5220.851, Maximum intensity(cd): 5220.851

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=18.2

[C90/270]Total=18.2

Field angle(10%Imax): [C0/180]Total=32.6

[C90/270]Total=32.6

Maximum s/h(1/2): C0_180=0.31 C90_270=0.31

Maximum s/h(1/4): C0_180=0.30 C90_270=0.30

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 95.51%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 95.989%

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2025/1/18
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	5220.851	0.000	0	0.00%	0.00%
1.0	5190.858	4.982	4.982	0.70%	0.74%
2.0	5104.684	14.777	19.759	2.09%	2.93%
3.0	4958.524	24.068	43.827	3.40%	6.49%
4.0	4751.427	32.502	76.329	4.60%	11.30%
5.0	4436.796	39.527	115.856	5.59%	17.16%
6.0	4077.248	44.744	160.6	6.33%	23.79%
7.0	3638.988	47.895	208.495	6.77%	30.88%
8.0	3176.148	48.775	257.269	6.90%	38.10%
9.0	2655.005	47.258	304.527	6.68%	45.10%
10.0	2139.400	43.388	347.915	6.14%	51.53%
11.0	1739.135	38.755	386.67	5.48%	57.27%
12.0	1352.616	33.797	420.467	4.78%	62.27%
13.0	1127.560	29.433	449.9	4.16%	66.63%
14.0	896.901	25.913	475.813	3.67%	70.47%
15.0	708.276	22.037	497.85	3.12%	73.73%
16.0	558.356	18.560	516.41	2.63%	76.48%
17.0	437.682	15.511	531.92	2.19%	78.78%
18.0	352.159	13.023	544.943	1.84%	80.71%
19.0	287.506	11.129	556.072	1.57%	82.35%
20.0	221.522	9.317	565.389	1.32%	83.73%
21.0	194.243	7.984	573.372	1.13%	84.92%
22.0	147.096	6.859	580.232	0.97%	85.93%
23.0	102.875	5.245	585.477	0.74%	86.71%
24.0	80.446	4.008	589.485	0.57%	87.30%
25.0	64.441	3.294	592.779	0.47%	87.79%
26.0	53.431	2.782	595.562	0.39%	88.20%
27.0	45.099	2.411	597.972	0.34%	88.56%
28.0	40.015	2.155	600.127	0.30%	88.88%
29.0	35.494	1.976	602.103	0.28%	89.17%
30.0	32.824	1.845	603.947	0.26%	89.45%
31.0	30.593	1.765	605.712	0.25%	89.71%
32.0	28.778	1.701	607.413	0.24%	89.96%
33.0	27.330	1.653	609.066	0.23%	90.20%
34.0	26.035	1.615	610.681	0.23%	90.44%
35.0	24.953	1.583	612.264	0.22%	90.68%
36.0	23.972	1.558	613.822	0.22%	90.91%
37.0	23.168	1.537	615.36	0.22%	91.14%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	22.436	1.522	616.882	0.22%	91.36%
39.0	21.807	1.510	618.392	0.21%	91.58%
40.0	21.317	1.504	619.896	0.21%	91.81%
41.0	20.849	1.501	621.397	0.21%	92.03%
42.0	20.512	1.503	622.9	0.21%	92.25%
43.0	20.102	1.504	624.405	0.21%	92.47%
44.0	19.715	1.503	625.907	0.21%	92.70%
45.0	19.320	1.500	627.408	0.21%	92.92%
46.0	18.874	1.494	628.901	0.21%	93.14%
47.0	18.464	1.485	630.386	0.21%	93.36%
48.0	17.952	1.472	631.858	0.21%	93.58%
49.0	17.498	1.456	633.314	0.21%	93.79%
50.0	16.993	1.438	634.752	0.20%	94.01%
51.0	16.467	1.416	636.168	0.20%	94.22%
52.0	16.021	1.394	637.562	0.20%	94.42%
53.0	15.582	1.375	638.937	0.19%	94.63%
54.0	15.216	1.357	640.294	0.19%	94.83%
55.0	14.828	1.341	641.635	0.19%	95.03%
56.0	14.514	1.326	642.961	0.19%	95.22%
57.0	14.184	1.312	644.273	0.19%	95.42%
58.0	13.892	1.298	645.571	0.18%	95.61%
59.0	13.628	1.287	646.858	0.18%	95.80%
60.0	13.336	1.274	648.132	0.18%	95.99%
61.0	13.043	1.259	649.391	0.18%	96.18%
62.0	12.699	1.240	650.631	0.18%	96.36%
63.0	12.356	1.219	651.85	0.17%	96.54%
64.0	11.968	1.194	653.043	0.17%	96.72%
65.0	11.558	1.164	654.208	0.16%	96.89%
66.0	11.149	1.133	655.34	0.16%	97.06%
67.0	10.746	1.101	656.441	0.16%	97.22%
68.0	10.322	1.067	657.509	0.15%	97.38%
69.0	9.927	1.033	658.542	0.15%	97.53%
70.0	9.561	1.001	659.543	0.14%	97.68%
71.0	9.137	0.966	660.509	0.14%	97.82%
72.0	8.815	0.933	661.442	0.13%	97.96%
73.0	8.574	0.909	662.352	0.13%	98.09%
74.0	8.332	0.889	663.24	0.13%	98.23%
75.0	8.200	0.874	664.114	0.12%	98.36%

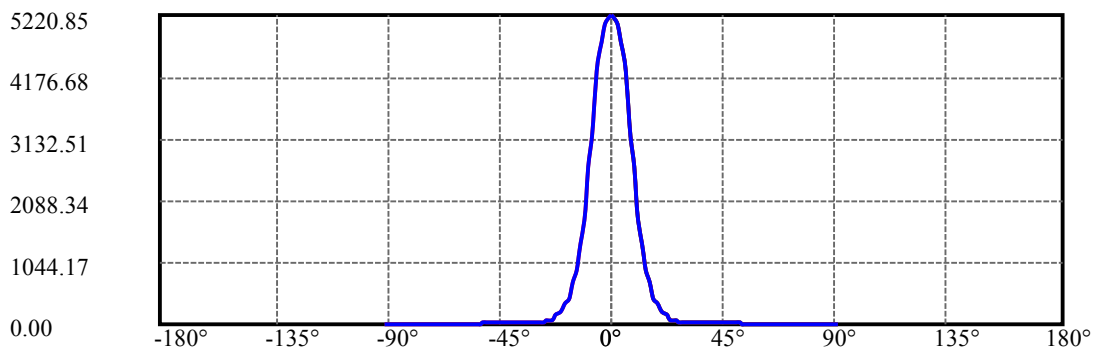
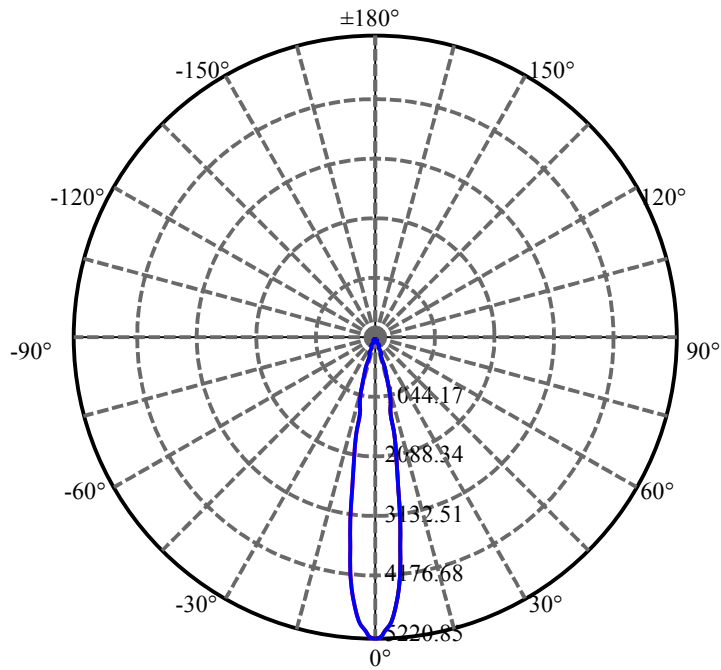
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	8.310	0.876	664.99	0.12%	98.49%
77.0	8.296	0.885	665.876	0.13%	98.62%
78.0	8.244	0.885	666.761	0.13%	98.75%
79.0	8.025	0.874	667.635	0.12%	98.88%
80.0	7.681	0.847	668.482	0.12%	99.00%
81.0	7.308	0.811	669.293	0.11%	99.12%
82.0	7.045	0.778	670.071	0.11%	99.24%
83.0	6.847	0.755	670.826	0.11%	99.35%
84.0	6.672	0.736	671.563	0.10%	99.46%
85.0	6.481	0.718	672.28	0.10%	99.57%
86.0	6.108	0.688	672.969	0.10%	99.67%
87.0	5.677	0.645	673.614	0.09%	99.76%
88.0	5.194	0.595	674.209	0.08%	99.85%
89.0	4.623	0.538	674.747	0.08%	99.93%
90.0	3.906	0.468	675.215	0.07%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	603.95	85.43%	89.45%
0-40	619.90	87.69%	91.81%
0-60	648.13	91.68%	95.99%
0-90	674.75	95.44%	99.93%
0-120	674.75	95.44%	99.93%
0-180	675.21	95.51%	100.00%
60-90	26.62	3.76%	3.94%
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%
0-17.63	540.17	76.41%	80.00%

ZONAL LUMEN SUMMARY

0-10	347.92
10-20	217.47
20-30	38.56
30-40	15.95
40-50	14.86
50-60	13.38
60-70	11.41
70-80	8.94
80-90	6.27
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



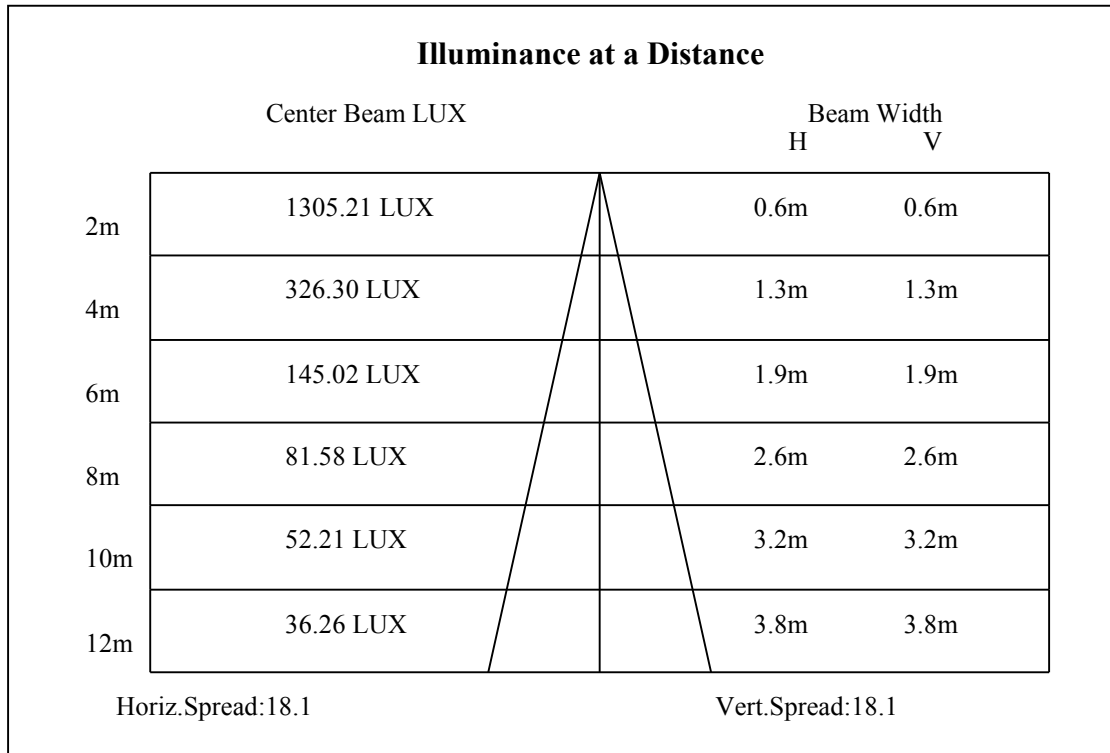
C0(Max): —————

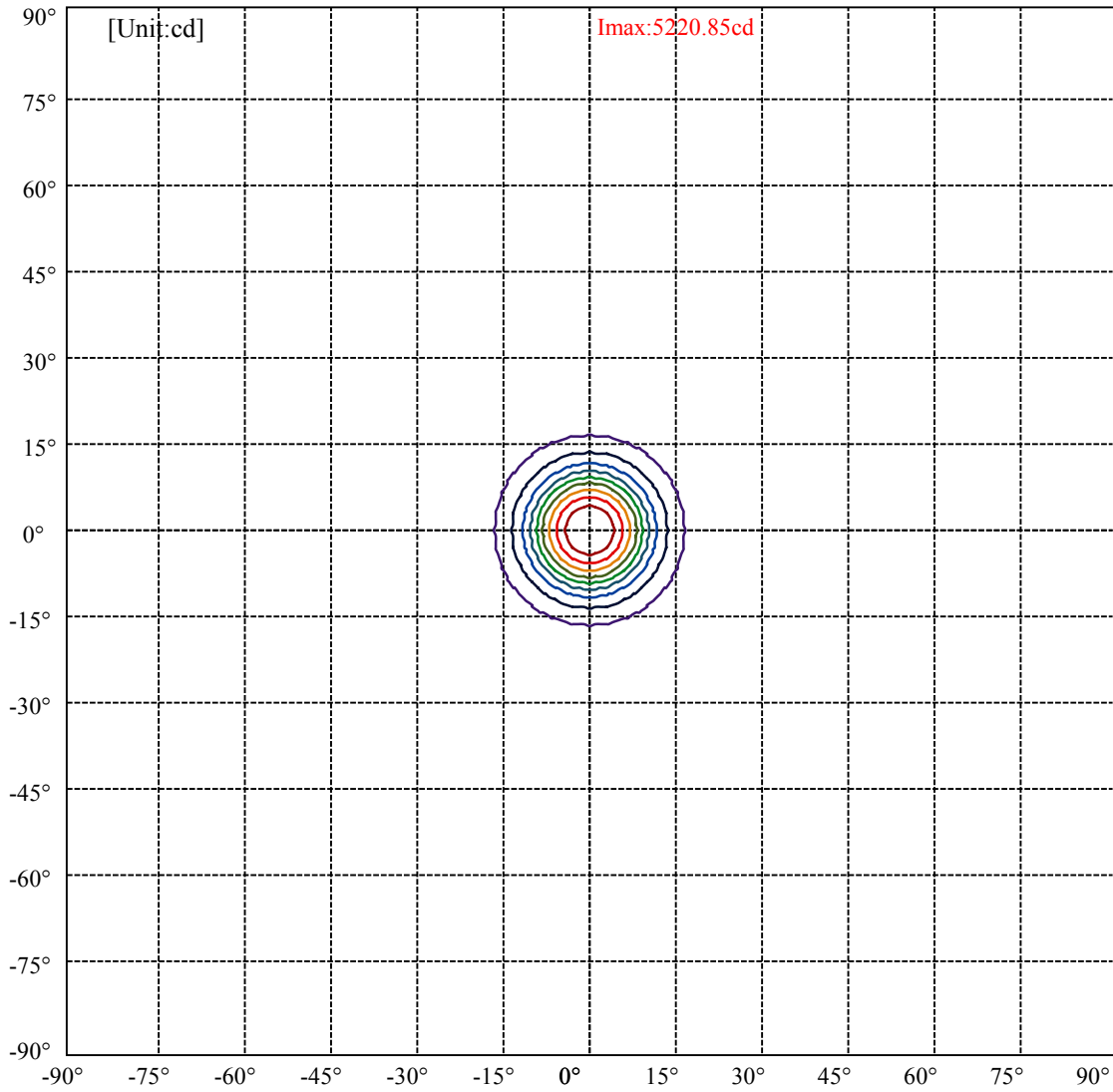
C0/C180: —————

C90/C270: —————

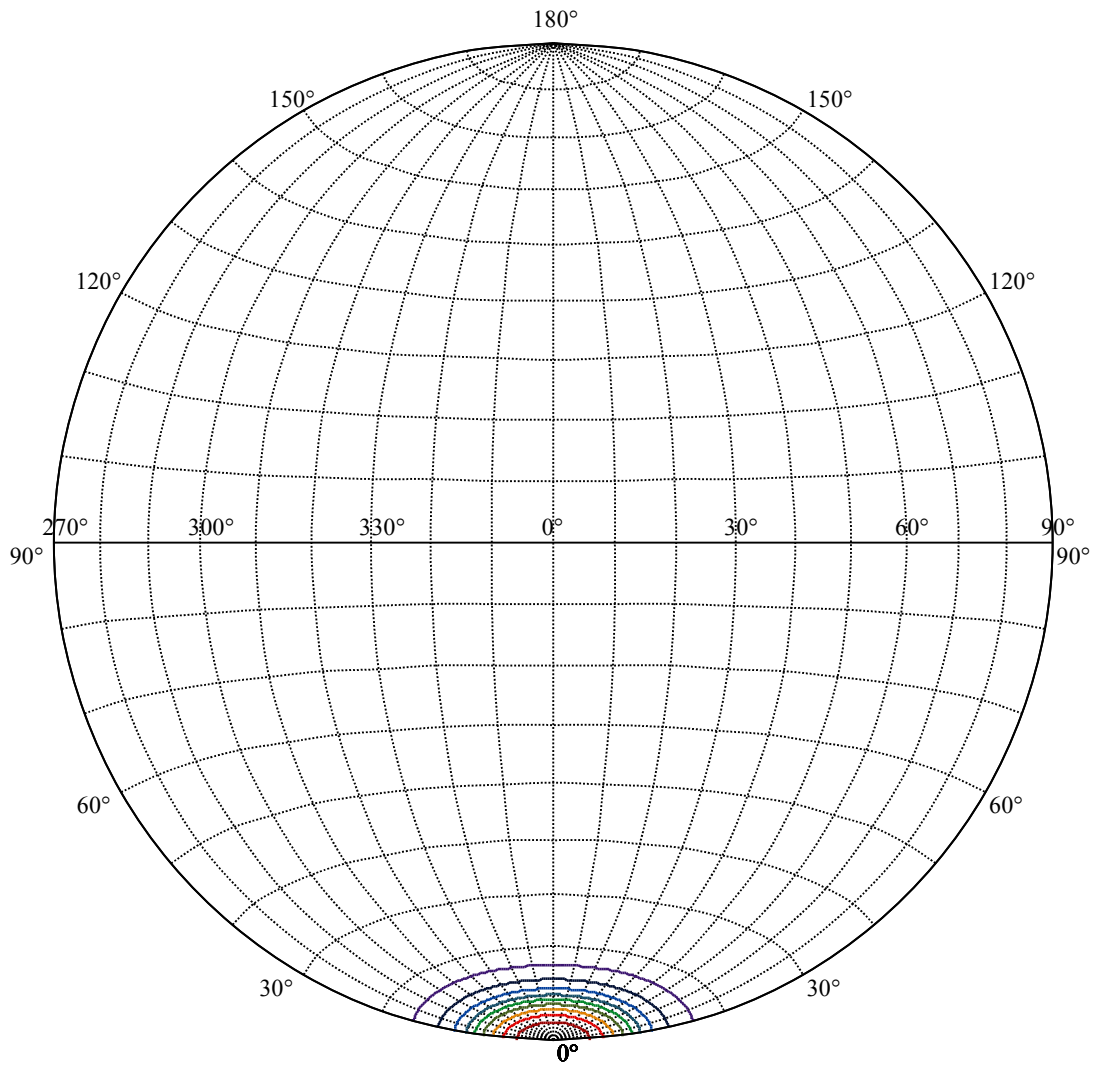
Field angle(10%Imax):C0/180Left:16.3 Right:16.3
:C90/270Left:16.3 Right:16.3

Beam Angle(50%Imax):C0/180Left:9.1 Right:9.1
:C90/270Left:9.1 Right:9.1





(10%I _{max}) 522.085	—
(20%I _{max}) 1044.17	—
(30%I _{max}) 1566.26	—
(40%I _{max}) 2088.34	—
(50%I _{max}) 2610.43	—
(60%I _{max}) 3132.51	—
(70%I _{max}) 3654.6	—
(80%I _{max}) 4176.68	—
(90%I _{max}) 4698.77	—



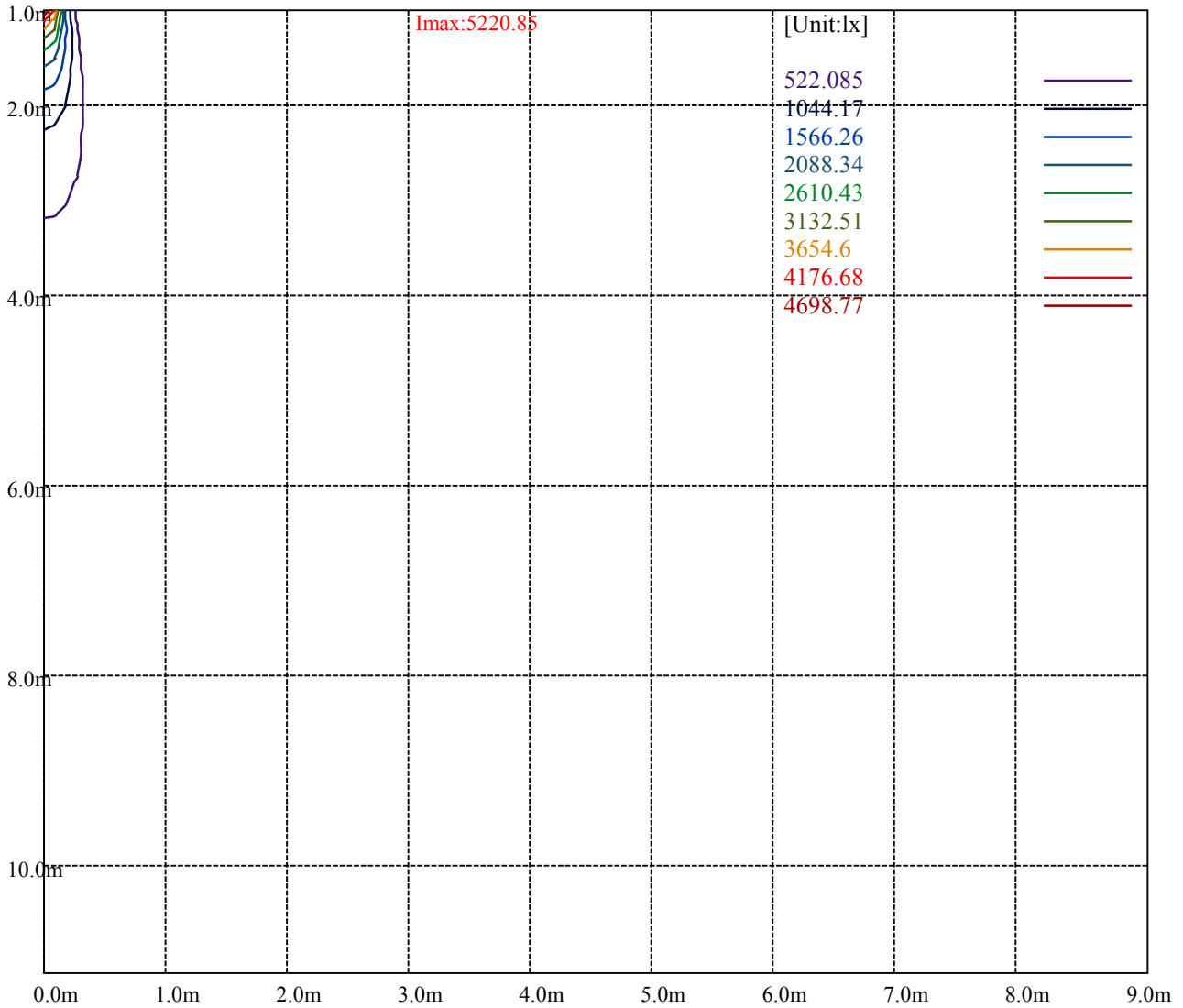
House

[Unit:cd]

Road

Imax:5220.85

(10%Imax) 522.085	—
(20%Imax) 1044.17	—
(30%Imax) 1566.26	—
(40%Imax) 2088.34	—
(50%Imax) 2610.43	—
(60%Imax) 3132.51	—
(70%Imax) 3654.6	—
(80%Imax) 4176.68	—
(90%Imax) 4698.77	—



Luminance Table

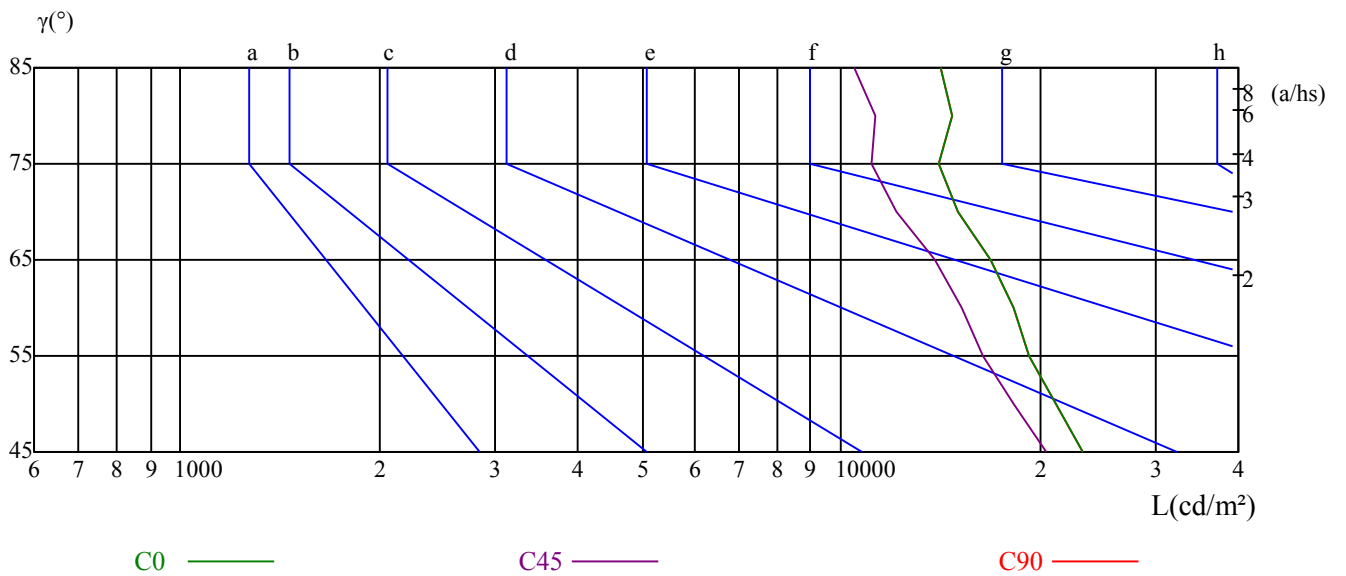
γ	45	50	55	60	65	70	75	80	85
C0	23233	21130	19238	18231	16834	15021	14101	14710	14126
C45	20415	18300	16406	15292	13863	12117	11106	11261	10444
C90	23233	21130	19238	18231	16834	15021	14101	14710	14126

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
34884	34884	34884	40413	40413	40413	94854	94854	94854

Glare Table

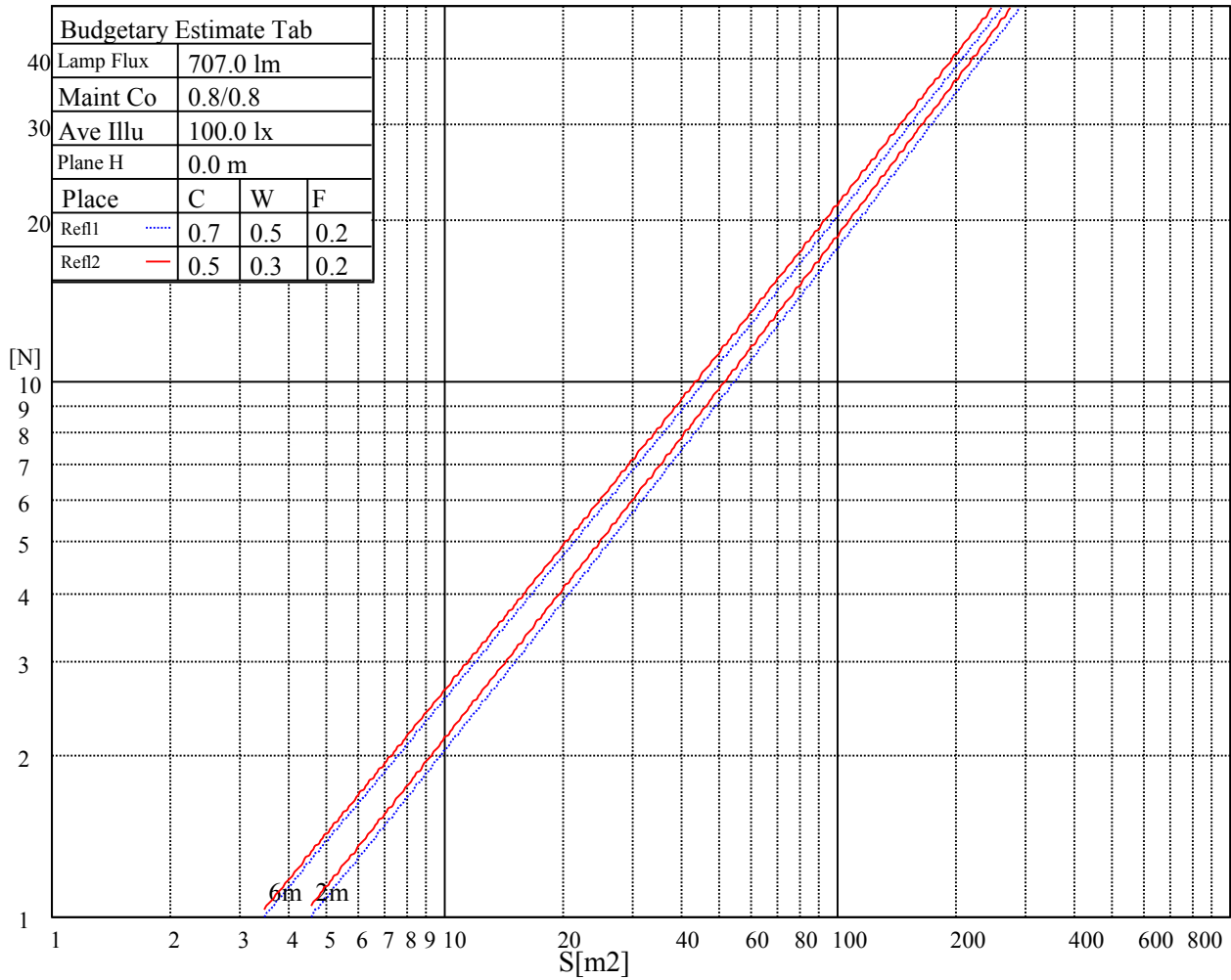
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

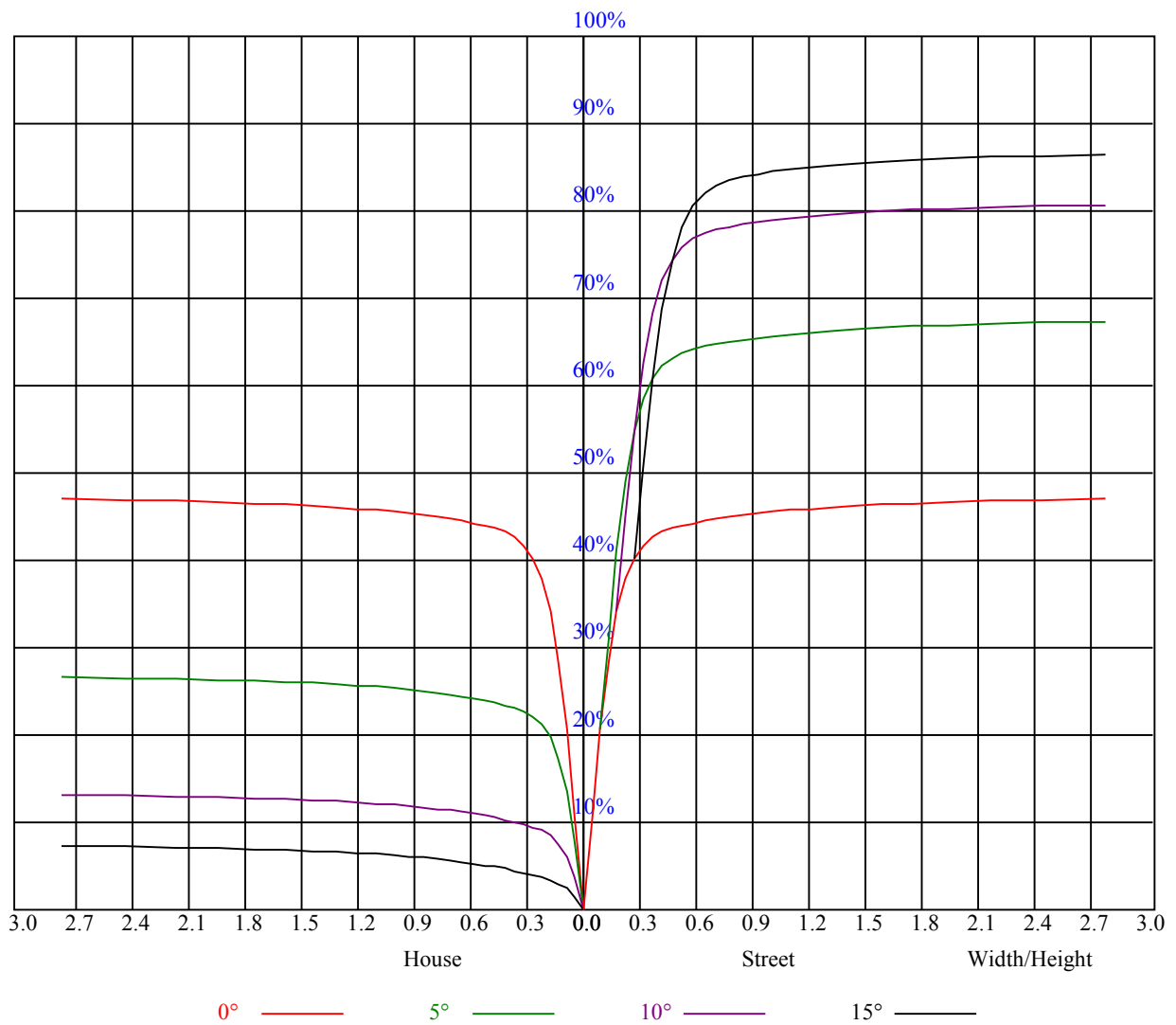


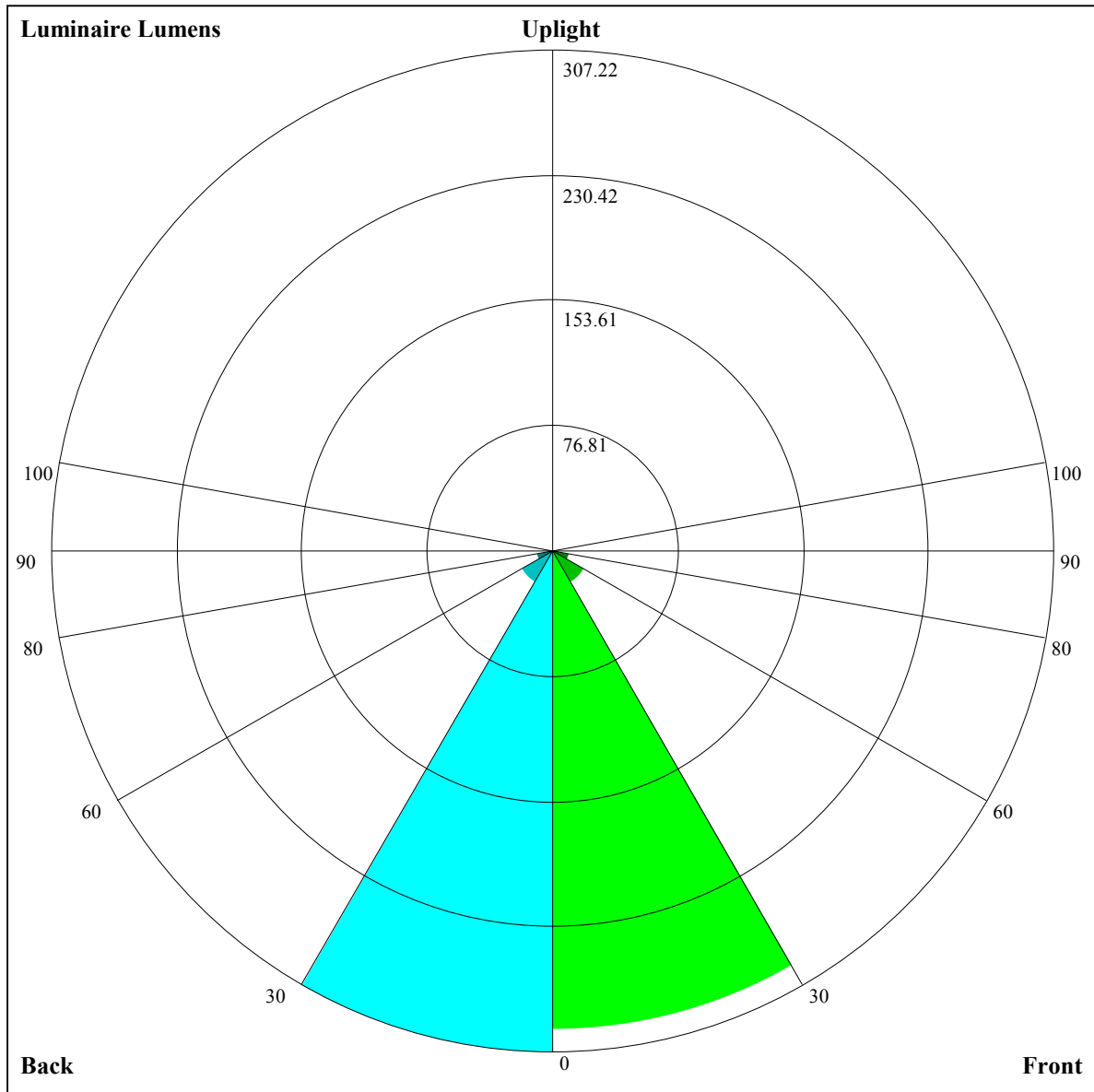
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	15.91	16.92	16.27	17.23	17.55	15.77	16.78	16.13	17.09	17.41
	3H	17.66	18.57	18.05	18.90	19.25	17.55	18.46	17.94	18.80	19.14
	4H	18.48	19.31	18.88	19.67	20.04	18.33	19.16	18.73	19.52	19.89
	6H	19.40	20.17	19.82	20.55	20.95	19.53	20.30	19.94	20.67	21.07
	8H	19.84	20.58	20.27	20.97	21.37	19.99	20.73	20.41	21.11	21.52
	12H	20.26	20.96	20.69	21.35	21.77	20.41	21.11	20.84	21.51	21.92
4H	2H	16.55	17.39	16.95	17.75	18.11	16.45	17.29	16.85	17.64	18.01
	3H	18.44	19.15	18.87	19.54	19.96	18.36	19.06	18.78	19.46	19.88
	4H	19.44	20.05	19.88	20.48	20.93	19.31	19.93	19.75	20.35	20.80
	6H	20.48	21.03	20.95	21.48	21.93	20.64	21.18	21.11	21.64	22.09
	8H	21.03	21.54	21.52	22.00	22.47	21.20	21.71	21.68	22.16	22.64
	12H	21.56	22.03	22.05	22.48	23.00	21.73	22.20	22.22	22.65	23.17
8H	4H	19.74	20.25	20.23	20.71	21.18	19.64	20.15	20.12	20.60	21.08
	6H	20.99	21.40	21.49	21.88	22.39	21.15	21.57	21.65	22.04	22.56
	8H	21.72	22.07	22.25	22.59	23.09	21.88	22.24	22.42	22.76	23.25
	12H	22.41	22.68	22.95	23.20	23.72	22.58	22.85	23.12	23.37	23.89
12H	4H	19.81	20.28	20.30	20.73	21.25	19.70	20.17	20.19	20.62	21.14
	6H	21.16	21.51	21.69	22.03	22.53	21.31	21.66	21.84	22.18	22.68
	8H	21.92	22.20	22.46	22.71	23.23	22.07	22.35	22.61	22.86	23.39
Variation with the observer position at spacings:											
S = 1.0H	0.2/-0.8					0.2/-0.8					
S = 1.5H	0.5/-0.7					0.5/-0.7					
S = 2.0H	0.4/-0.6					0.4/-0.6					
Standard tables:	BKBF					BKBF					
Uncorrected UGR	5.2					5.2					

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 RHOFC=20 CU															
0	1.14	1.14	1.14	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	0.97	0.97	0.97	0.96
1	1.07	1.05	1.03	1.05	1.03	1.02	1.01	1.00	0.99	0.98	0.97	0.96	0.94	0.94	0.93	0.91
2	1.02	0.99	0.96	1.00	0.98	0.95	0.97	0.95	0.93	0.95	0.93	0.91	0.92	0.91	0.89	0.88
3	0.98	0.94	0.91	0.96	0.93	0.91	0.94	0.91	0.89	0.92	0.90	0.88	0.90	0.88	0.86	0.85
4	0.94	0.90	0.87	0.93	0.90	0.87	0.91	0.88	0.86	0.90	0.87	0.85	0.88	0.86	0.84	0.83
5	0.91	0.87	0.84	0.90	0.87	0.84	0.89	0.86	0.83	0.87	0.85	0.83	0.86	0.84	0.82	0.81
6	0.89	0.85	0.82	0.88	0.84	0.82	0.87	0.83	0.81	0.85	0.83	0.81	0.84	0.82	0.80	0.79
7	0.86	0.82	0.80	0.86	0.82	0.80	0.85	0.81	0.79	0.84	0.81	0.79	0.83	0.80	0.78	0.78
8	0.84	0.80	0.78	0.84	0.80	0.78	0.83	0.80	0.77	0.82	0.79	0.77	0.81	0.79	0.77	0.76
9	0.82	0.79	0.76	0.82	0.79	0.76	0.81	0.78	0.76	0.81	0.78	0.76	0.80	0.77	0.76	0.75
10	0.81	0.77	0.75	0.80	0.77	0.75	0.80	0.77	0.75	0.79	0.76	0.74	0.79	0.76	0.74	0.73





Luminaire Lumens:

FL=293.61,FM=22.01,FH=10.15,FVH=3.43

BL=307.22,BM=22.09,BH=10.26,BVH=3.34

UL=0,UH=0

BUG Rating:B1-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	5238.99	5198.03	5110.24	4927.65	4708.19	4332.48	3969.05	3552.96	3103.51
45.0	5192.76	5239.58	5240.16	5192.17	5062.25	4895.47	4663.72	4280.39	3907.61
90.0	5250.11	5255.96	5202.71	5104.39	4951.06	4732.19	4354.72	3974.32	3543.01
135.0	5201.54	5248.94	5255.96	5222.02	5104.39	4946.38	4718.73	4412.66	3932.77
180.0	5238.99	5218.51	5153.55	5040.60	4868.55	4546.67	4296.20	3799.34	3362.18
225.0	5192.76	5097.95	4903.07	4670.15	4358.23	3878.93	3441.77	2871.17	2425.82
270.0	5250.11	5201.54	5071.03	4901.90	4668.98	4272.20	3866.64	3404.90	2802.12
315.0	5201.54	5066.35	4900.73	4609.29	4289.76	3890.05	3307.16	2816.16	2332.18
360.0	5238.99	5198.03	5110.24	4927.65	4708.19	4332.48	3969.05	3552.96	3103.51
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	2538.18	2108.62	1142.65	1142.65	1013.73	796.61	626.95	494.81	370.92
45.0	3492.10	2949.59	2510.09	1989.82	1615.28	1292.82	1027.71	769.04	609.28
90.0	3087.12	2511.84	2072.34	1134.17	1134.17	1013.90	768.52	618.70	501.95
135.0	3489.17	3028.01	2456.25	2030.79	1652.15	1261.80	1014.25	815.86	622.74
180.0	2803.87	2369.63	1965.24	1512.87	1222.01	941.10	760.85	616.89	477.02
225.0	2012.65	1132.53	1132.53	1014.72	814.81	655.28	500.37	402.69	322.81
270.0	2336.28	1902.62	1521.64	1126.62	888.43	709.94	568.90	433.13	347.10
315.0	1480.68	1112.34	1112.34	869.29	679.91	503.76	398.66	315.73	249.66
360.0	2538.18	2108.62	1142.65	1142.65	1013.73	796.61	626.95	494.81	370.92
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	296.30	222.44	175.33	137.47	101.07	79.24	63.20	50.21	43.54
45.0	486.97	390.99	296.77	296.77	225.43	147.01	109.44	86.26	68.76
90.0	388.82	314.68	252.52	200.67	148.76	116.28	90.89	71.51	55.48
135.0	505.11	409.13	330.13	296.18	296.18	155.20	115.41	91.06	72.22
180.0	386.89	312.57	296.18	296.18	149.17	119.33	95.98	73.39	60.69
225.0	258.14	195.06	156.08	124.95	95.10	77.02	60.45	51.44	44.95
270.0	309.64	309.64	158.30	117.28	93.05	75.14	61.98	50.62	44.54
315.0	185.40	145.55	106.86	84.45	68.00	53.78	46.23	41.02	37.28
360.0	296.30	222.44	175.33	137.47	101.07	79.24	63.20	50.21	43.54
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	38.74	35.41	32.42	30.67	29.20	27.92	26.57	25.52	24.64
45.0	53.72	45.88	39.44	35.93	33.36	31.02	29.38	27.92	26.74
90.0	46.64	40.67	35.64	32.89	30.72	28.56	27.33	26.04	24.81
135.0	58.76	49.16	41.26	36.93	33.24	31.08	29.26	27.45	26.28
180.0	49.45	44.30	38.33	34.88	32.36	29.73	28.03	26.39	25.22
225.0	39.39	36.11	33.36	31.31	29.20	27.86	26.51	25.46	24.17
270.0	40.26	36.87	33.65	31.60	29.85	28.38	26.80	25.75	24.81
315.0	33.83	31.72	29.85	28.38	26.80	25.69	24.76	23.76	22.94
360.0	38.74	35.41	32.42	30.67	29.20	27.92	26.57	25.52	24.64
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	23.70	23.06	22.47	22.06	21.83	21.65	21.48	21.19	20.89
45.0	25.40	24.40	23.64	23.00	22.41	22.12	21.83	21.42	20.89
90.0	23.88	23.12	22.36	21.54	20.95	20.42	19.96	19.25	18.84
135.0	25.28	24.40	23.53	22.82	22.18	21.54	21.13	20.72	20.31
180.0	24.17	23.29	22.24	21.54	20.95	20.25	19.84	19.43	19.02
225.0	23.35	22.41	21.71	21.13	20.60	20.01	19.66	19.31	18.90
270.0	23.70	23.00	22.36	21.65	21.19	20.66	20.31	19.90	19.61
315.0	22.30	21.65	21.19	20.72	20.42	20.13	19.90	19.61	19.25
360.0	23.70	23.06	22.47	22.06	21.83	21.65	21.48	21.19	20.89

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	20.48	19.84	19.31	18.67	18.08	17.32	16.74	16.09	15.63
45.0	20.42	19.84	19.43	18.96	18.49	17.85	17.21	16.74	16.09
90.0	18.43	17.85	17.38	16.85	16.44	15.98	15.57	15.16	14.81
135.0	19.84	19.55	19.20	18.67	18.32	17.79	17.32	16.91	16.50
180.0	18.73	18.32	18.02	17.62	17.32	17.03	16.62	16.33	15.98
225.0	18.49	18.14	17.79	17.21	16.80	16.39	15.86	15.51	15.16
270.0	19.20	18.90	18.55	18.14	17.62	17.21	16.74	16.15	15.74
315.0	18.96	18.55	18.02	17.50	16.91	16.39	15.68	15.27	14.75
360.0	20.48	19.84	19.31	18.67	18.08	17.32	16.74	16.09	15.63
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	15.27	14.81	14.46	14.10	13.87	13.52	13.28	13.05	12.70
45.0	15.68	15.27	14.92	14.51	14.16	13.93	13.64	13.40	13.05
90.0	14.51	14.28	13.99	13.69	13.46	13.28	12.99	12.76	12.47
135.0	15.98	15.63	15.27	14.98	14.57	14.34	14.05	13.81	13.46
180.0	15.68	15.33	15.04	14.75	14.51	14.16	13.87	13.52	13.23
225.0	14.81	14.40	14.16	13.75	13.52	13.28	12.99	12.52	12.23
270.0	15.39	14.86	14.57	14.28	13.93	13.64	13.34	13.11	12.64
315.0	14.40	14.05	13.69	13.40	13.11	12.87	12.52	12.17	11.82
360.0	15.27	14.81	14.46	14.10	13.87	13.52	13.28	13.05	12.70
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	12.29	11.94	11.65	11.18	10.77	10.48	10.07	9.71	9.31
45.0	12.82	12.47	12.06	11.65	11.24	10.83	10.36	10.01	9.60
90.0	12.23	11.88	11.47	11.12	10.77	10.24	9.95	9.60	9.19
135.0	13.23	12.76	12.35	11.94	11.53	11.12	10.77	10.36	9.83
180.0	12.82	12.47	11.94	11.53	11.06	10.65	10.24	9.83	9.36
225.0	11.76	11.35	10.89	10.48	10.12	9.60	9.19	8.90	8.43
270.0	12.23	11.82	11.47	11.00	10.59	10.18	9.71	9.36	8.95
315.0	11.47	11.06	10.65	10.30	9.89	9.48	9.13	8.72	8.43
360.0	12.29	11.94	11.65	11.18	10.77	10.48	10.07	9.71	9.31
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	9.01	8.84	8.66	8.54	8.43	8.25	8.13	8.02	7.84
45.0	9.25	8.90	8.49	8.31	8.08	7.96	7.72	7.55	7.43
90.0	8.72	8.49	8.19	8.08	7.90	8.66	9.77	9.71	9.13
135.0	9.42	9.07	8.72	8.43	8.25	8.08	7.90	7.78	7.55
180.0	9.07	8.78	8.60	8.43	8.31	8.13	7.96	7.78	7.55
225.0	8.25	8.08	7.84	7.72	7.55	7.32	7.20	7.02	6.91
270.0	8.66	8.49	8.31	8.31	10.36	10.65	10.12	9.31	8.13
315.0	8.13	7.96	7.84	7.78	7.61	7.32	7.14	7.02	6.91
360.0	9.01	8.84	8.66	8.54	8.43	8.25	8.13	8.02	7.84
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	7.61	7.32	7.02	6.79	6.55	6.38	6.09	5.62	5.21
45.0	7.20	7.08	6.96	6.79	6.67	6.50	6.32	5.91	5.33
90.0	8.19	7.43	7.14	7.02	6.85	6.09	5.62	5.03	4.56
135.0	7.37	7.26	7.02	6.91	6.73	6.50	6.09	5.56	4.97
180.0	7.26	7.02	6.73	6.50	6.32	5.91	5.33	4.80	4.33
225.0	6.73	6.55	6.44	6.26	6.03	5.50	4.97	4.56	3.51
270.0	7.37	7.08	7.02	6.79	6.55	6.20	5.68	5.21	4.74
315.0	6.73	6.61	6.44	6.32	6.14	5.79	5.33	4.86	4.33
360.0	7.61	7.32	7.02	6.79	6.55	6.38	6.09	5.62	5.21

Intensity data(cd)

C/γ(°)	90.0
0.0	4.86
45.0	4.86
90.0	4.10
135.0	4.51
180.0	2.98
225.0	2.98
270.0	3.69
315.0	3.28
360.0	4.86