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NT

Client:

LumCAT: 61-0308

Luminaire: 92.70.458.00

Report No: 20260714-B003

Ballast type:

Test No: 20241107-C013

Voltage(V): 35.620

LampCAT: CITIZEN CLU7A2 LES4.5

Current(A): 0.137

Lamp flux(lm): 521.0

Power (W): 4.880

Number of Lamps: 1

PF: 0.000

Length(mm): 35

Width(mm): 35

Phm Type: C

Height(mm): 17

Photometric Results

Lumens(lm): 495.59, Efficiency(%): 95.12% , Luminous Efficacy(lm/W): 101.56

Central intensity(cd): 5381.642, Maximum intensity(cd): 5381.642

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=14.8

[C90/270]Total=14.8

Field angle(10%Imax): [C0/180]Total=27.6

[C90/270]Total=27.6

Maximum s/h(1/2): C0_180=0.25 C90_270=0.25

Maximum s/h(1/4): C0_180=0.25 C90_270=0.25

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 95.12%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 96.550%

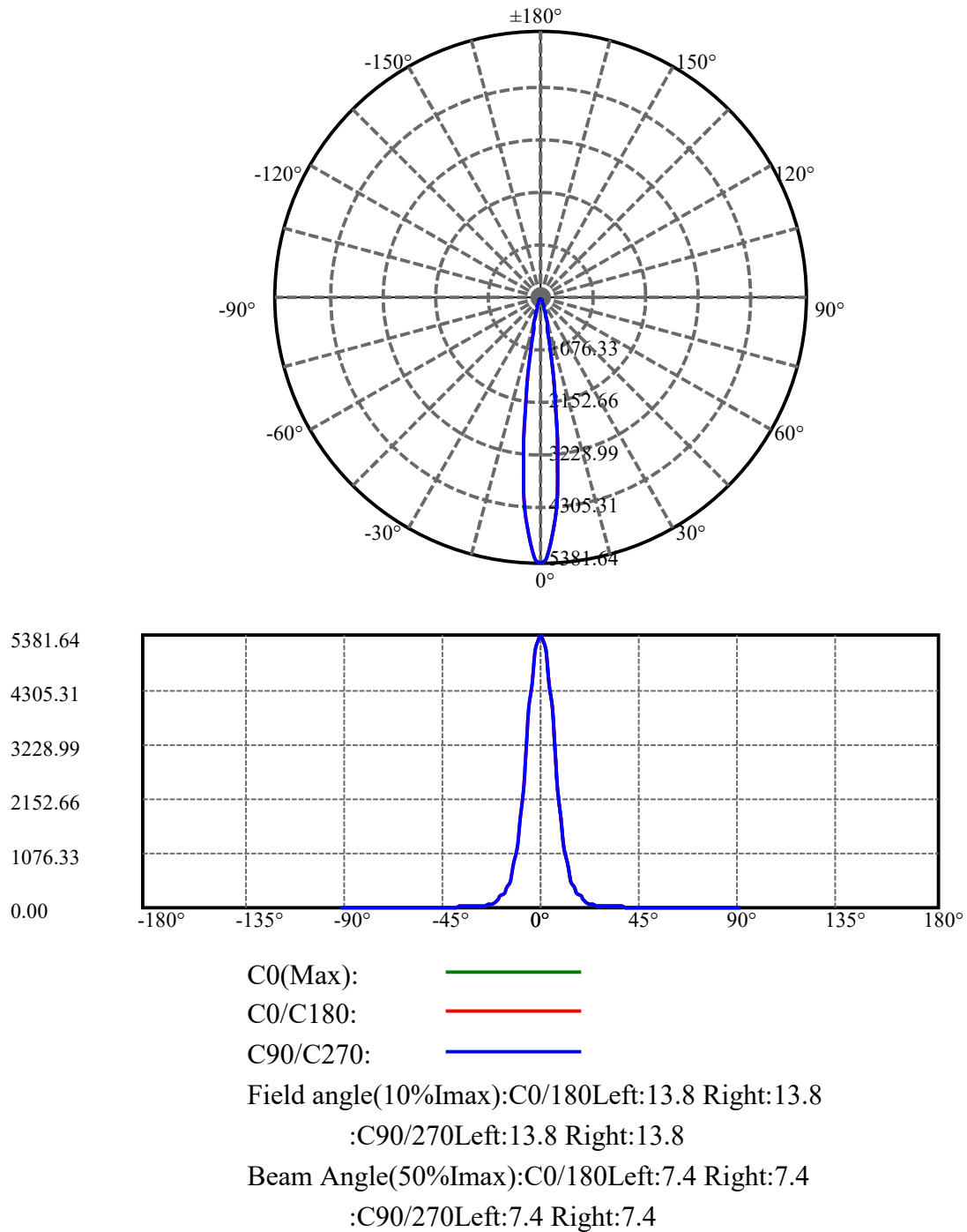
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	5381.642	0.000	0	0.00%	0.00%
1.0	5312.841	5.117	5.117	0.98%	1.03%
2.0	5113.499	14.965	20.082	2.87%	4.05%
3.0	4806.548	23.725	43.807	4.55%	8.84%
4.0	4408.559	30.846	74.653	5.92%	15.06%
5.0	3952.266	35.968	110.621	6.90%	22.32%
6.0	3415.834	38.721	149.343	7.43%	30.13%
7.0	2889.827	39.139	188.482	7.51%	38.03%
8.0	2327.575	37.340	225.822	7.17%	45.57%
9.0	1760.094	33.128	258.95	6.36%	52.25%
10.0	1409.782	28.686	287.636	5.51%	58.04%
11.0	1140.640	25.484	313.12	4.89%	63.18%
12.0	869.696	21.976	335.096	4.22%	67.62%
13.0	665.818	18.223	353.319	3.50%	71.29%
14.0	513.345	15.093	368.412	2.90%	74.34%
15.0	399.800	12.536	380.948	2.41%	76.87%
16.0	313.560	10.453	391.401	2.01%	78.98%
17.0	265.429	9.016	400.417	1.73%	80.80%
18.0	229.598	8.162	408.579	1.57%	82.44%
19.0	167.671	6.912	415.491	1.33%	83.84%
20.0	125.011	5.357	420.848	1.03%	84.92%
21.0	100.970	4.339	425.187	0.83%	85.79%
22.0	82.144	3.680	428.867	0.71%	86.54%
23.0	66.584	3.121	431.987	0.60%	87.17%
24.0	54.664	2.651	434.638	0.51%	87.70%
25.0	46.039	2.290	436.928	0.44%	88.16%
26.0	39.572	2.021	438.949	0.39%	88.57%
27.0	34.422	1.810	440.759	0.35%	88.94%
28.0	30.454	1.643	442.402	0.32%	89.27%
29.0	27.729	1.522	443.924	0.29%	89.58%
30.0	25.472	1.436	445.36	0.28%	89.86%
31.0	23.596	1.365	446.726	0.26%	90.14%
32.0	22.059	1.308	448.034	0.25%	90.40%
33.0	20.761	1.261	449.295	0.24%	90.66%
34.0	19.678	1.224	450.519	0.23%	90.91%
35.0	18.672	1.191	451.71	0.23%	91.15%
36.0	17.798	1.161	452.871	0.22%	91.38%
37.0	17.085	1.138	454.009	0.22%	91.61%

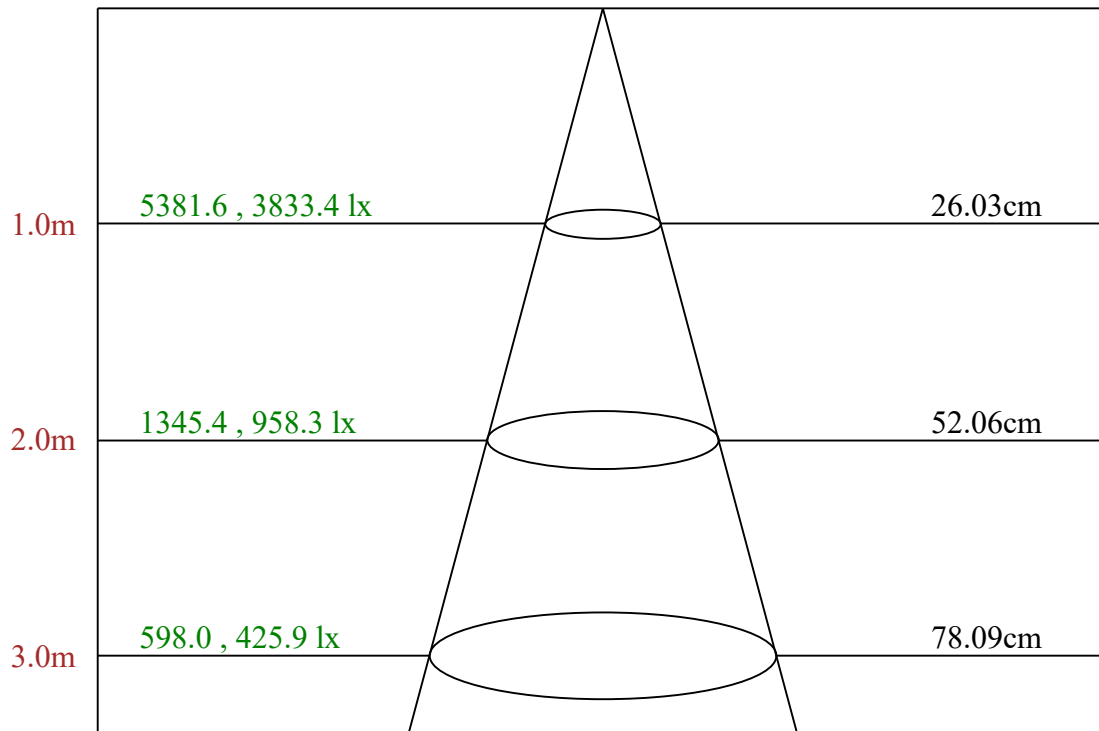
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	16.430	1.119	455.128	0.21%	91.84%
39.0	15.805	1.100	456.228	0.21%	92.06%
40.0	15.260	1.083	457.311	0.21%	92.28%
41.0	14.784	1.070	458.381	0.21%	92.49%
42.0	14.353	1.059	459.44	0.20%	92.71%
43.0	14.012	1.051	460.49	0.20%	92.92%
44.0	13.735	1.047	461.538	0.20%	93.13%
45.0	13.585	1.050	462.588	0.20%	93.34%
46.0	13.515	1.060	463.647	0.20%	93.55%
47.0	13.526	1.075	464.723	0.21%	93.77%
48.0	13.541	1.094	465.817	0.21%	93.99%
49.0	13.544	1.112	466.929	0.21%	94.22%
50.0	13.475	1.127	468.056	0.22%	94.44%
51.0	13.307	1.133	469.189	0.22%	94.67%
52.0	12.981	1.128	470.317	0.22%	94.90%
53.0	12.590	1.112	471.429	0.21%	95.13%
54.0	12.140	1.090	472.519	0.21%	95.35%
55.0	11.704	1.064	473.584	0.20%	95.56%
56.0	11.244	1.037	474.621	0.20%	95.77%
57.0	10.812	1.008	475.629	0.19%	95.97%
58.0	10.391	0.981	476.61	0.19%	96.17%
59.0	9.985	0.953	477.562	0.18%	96.36%
60.0	9.616	0.926	478.488	0.18%	96.55%
61.0	9.217	0.899	479.387	0.17%	96.73%
62.0	8.822	0.869	480.256	0.17%	96.91%
63.0	8.471	0.841	481.097	0.16%	97.08%
64.0	8.083	0.812	481.91	0.16%	97.24%
65.0	7.707	0.781	482.691	0.15%	97.40%
66.0	7.356	0.752	483.443	0.14%	97.55%
67.0	7.045	0.724	484.167	0.14%	97.70%
68.0	6.745	0.699	484.865	0.13%	97.84%
69.0	6.452	0.673	485.539	0.13%	97.97%
70.0	6.174	0.648	486.187	0.12%	98.10%
71.0	5.918	0.625	486.812	0.12%	98.23%
72.0	5.680	0.603	487.415	0.12%	98.35%
73.0	5.435	0.581	487.996	0.11%	98.47%
74.0	5.205	0.559	488.556	0.11%	98.58%
75.0	5.004	0.539	489.095	0.10%	98.69%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	4.824	0.522	489.617	0.10%	98.80%
77.0	4.689	0.507	490.124	0.10%	98.90%
78.0	4.535	0.494	490.618	0.09%	99.00%
79.0	4.386	0.479	491.097	0.09%	99.09%
80.0	4.261	0.466	491.563	0.09%	99.19%
81.0	4.140	0.454	492.018	0.09%	99.28%
82.0	4.031	0.443	492.461	0.09%	99.37%
83.0	3.939	0.433	492.894	0.08%	99.46%
84.0	3.833	0.423	493.317	0.08%	99.54%
85.0	3.713	0.412	493.729	0.08%	99.62%
86.0	3.599	0.400	494.129	0.08%	99.71%
87.0	3.493	0.388	494.517	0.07%	99.78%
88.0	3.387	0.377	494.894	0.07%	99.86%
89.0	3.164	0.359	495.253	0.07%	99.93%
90.0	2.955	0.335	495.588	0.06%	100.00%

ZONAL LUMEN SUMMARY			
Zone	Lumens	%Lamp	%Fixt
0-30	445.36	85.48%	89.86%
0-40	457.31	87.78%	92.28%
0-60	478.49	91.84%	96.55%
0-90	495.25	95.06%	99.93%
0-120	495.25	95.06%	99.93%
0-180	495.59	95.12%	100.00%
60-90	16.76	3.22%	3.38%
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%
0-16.56	396.47	76.10%	80.00%

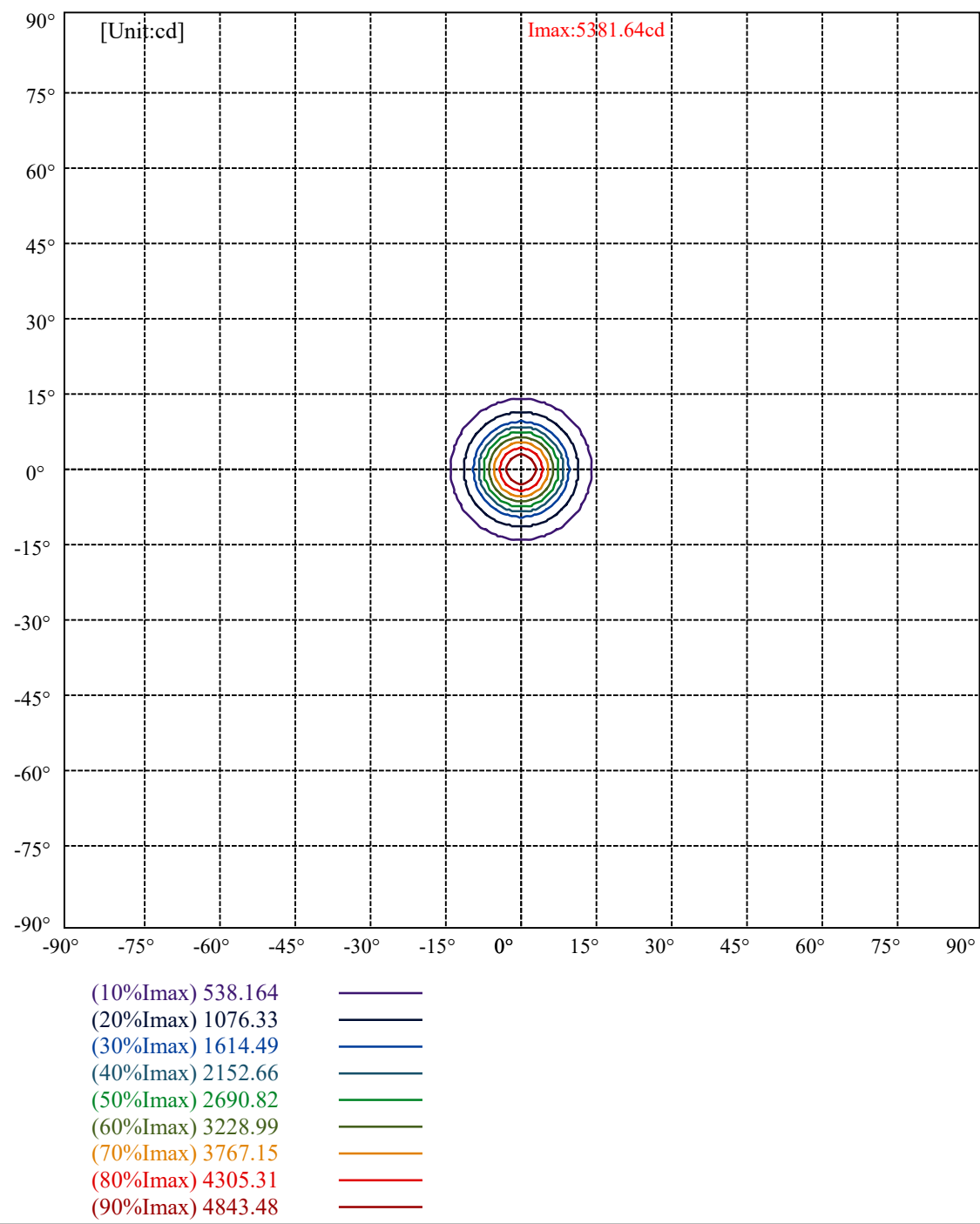
ZONAL LUMEN SUMMARY	
0-10	287.64
10-20	133.21
20-30	24.51
30-40	11.95
40-50	10.74
50-60	10.43
60-70	7.70
70-80	5.38
80-90	3.69
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

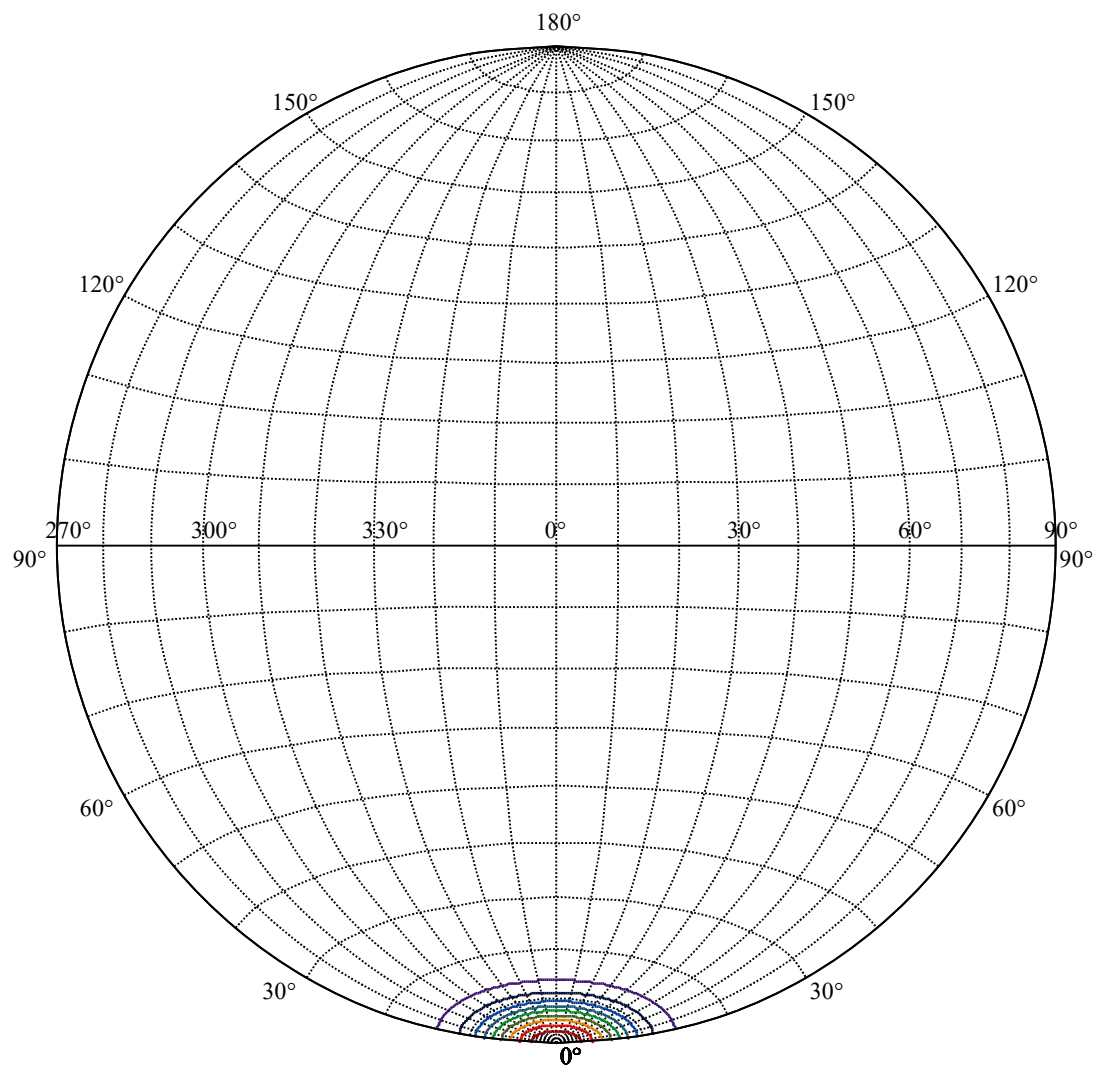




Max , Ave

Beam angle of C0 plane 14.83





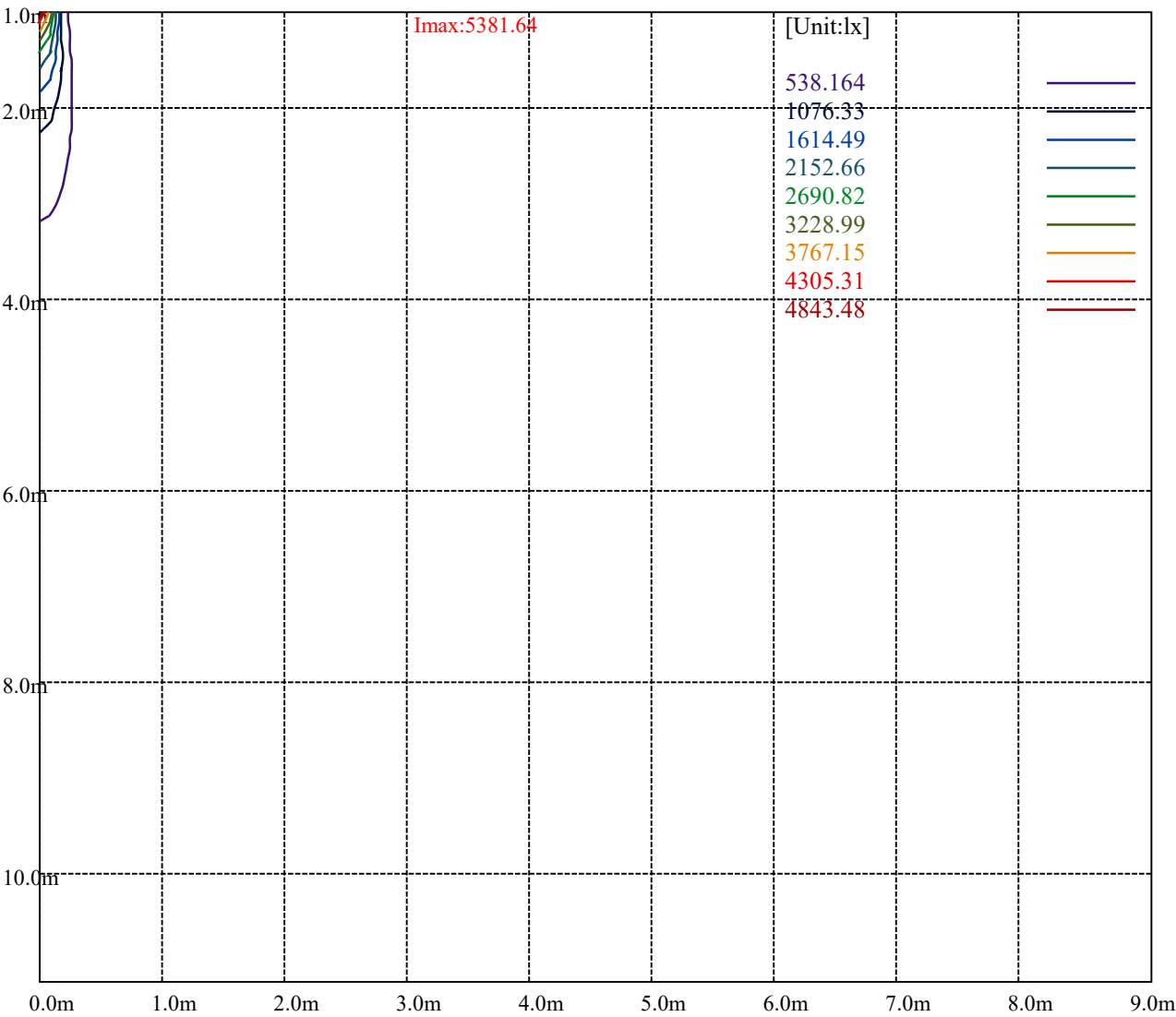
House

[Unit:cd]

Road

Imax:5381.64

(10%Imax)	538.164	_____
(20%Imax)	1076.33	_____
(30%Imax)	1614.49	_____
(40%Imax)	2152.66	_____
(50%Imax)	2690.82	_____
(60%Imax)	3228.99	_____
(70%Imax)	3767.15	_____
(80%Imax)	4305.31	_____
(90%Imax)	4843.48	_____



Luminance Table

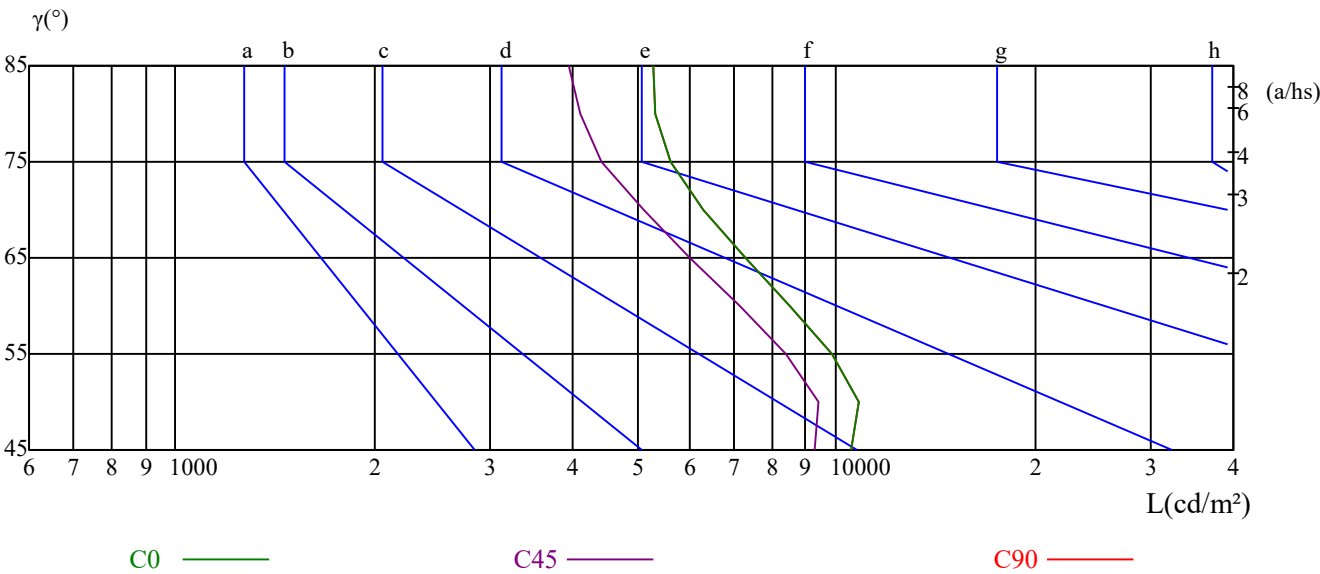
γ	45	50	55	60	65	70	75	80	85
C0	10556	10839	9835	8526	7292	6312	5611	5335	5308
C45	9297	9410	8409	7170	6020	5104	4429	4092	3929
C90	10556	10839	9835	8526	7292	6312	5611	5335	5308

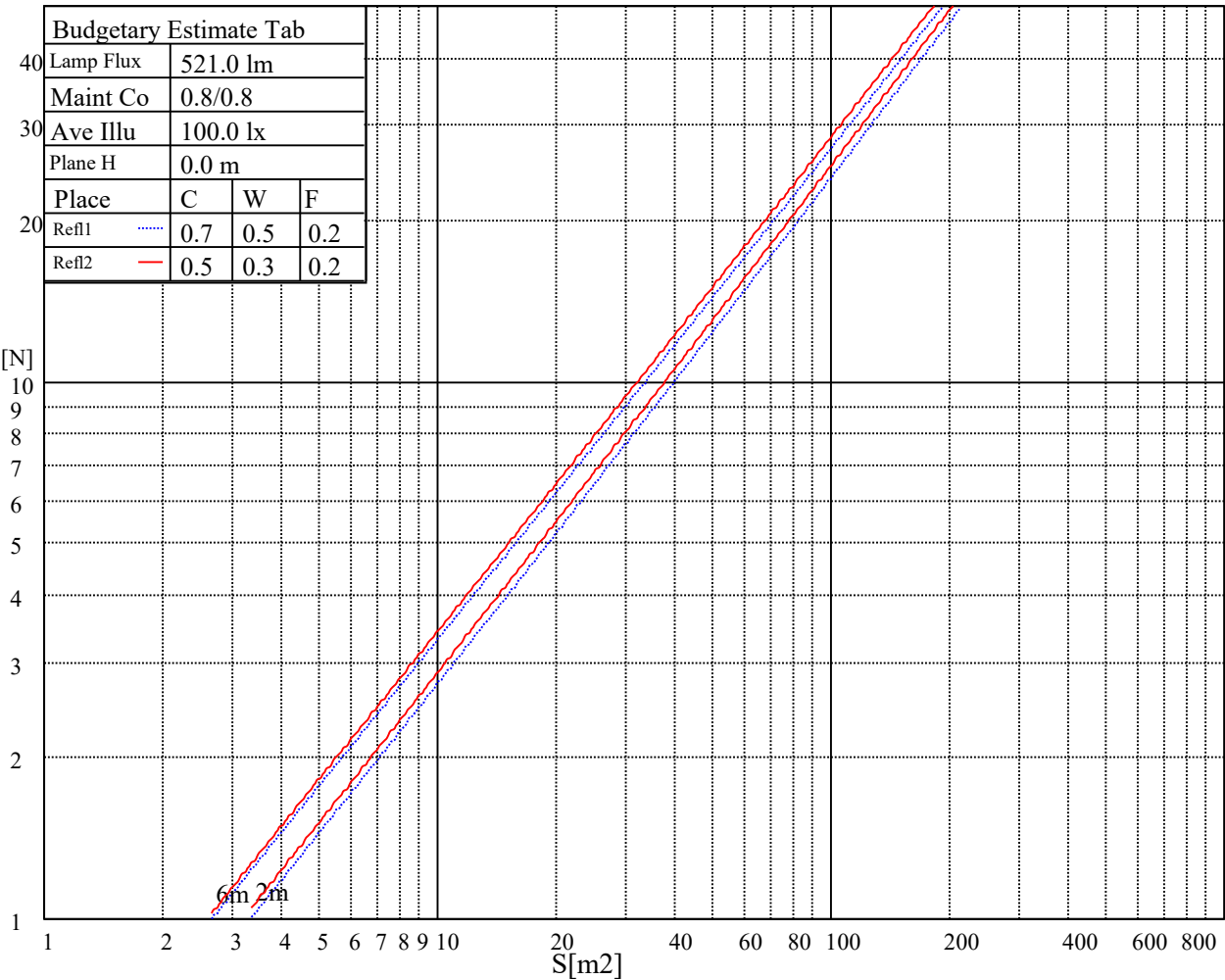
L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
14887	14887	14887	15783	15783	15783	34777	34777	34777

Glare Table

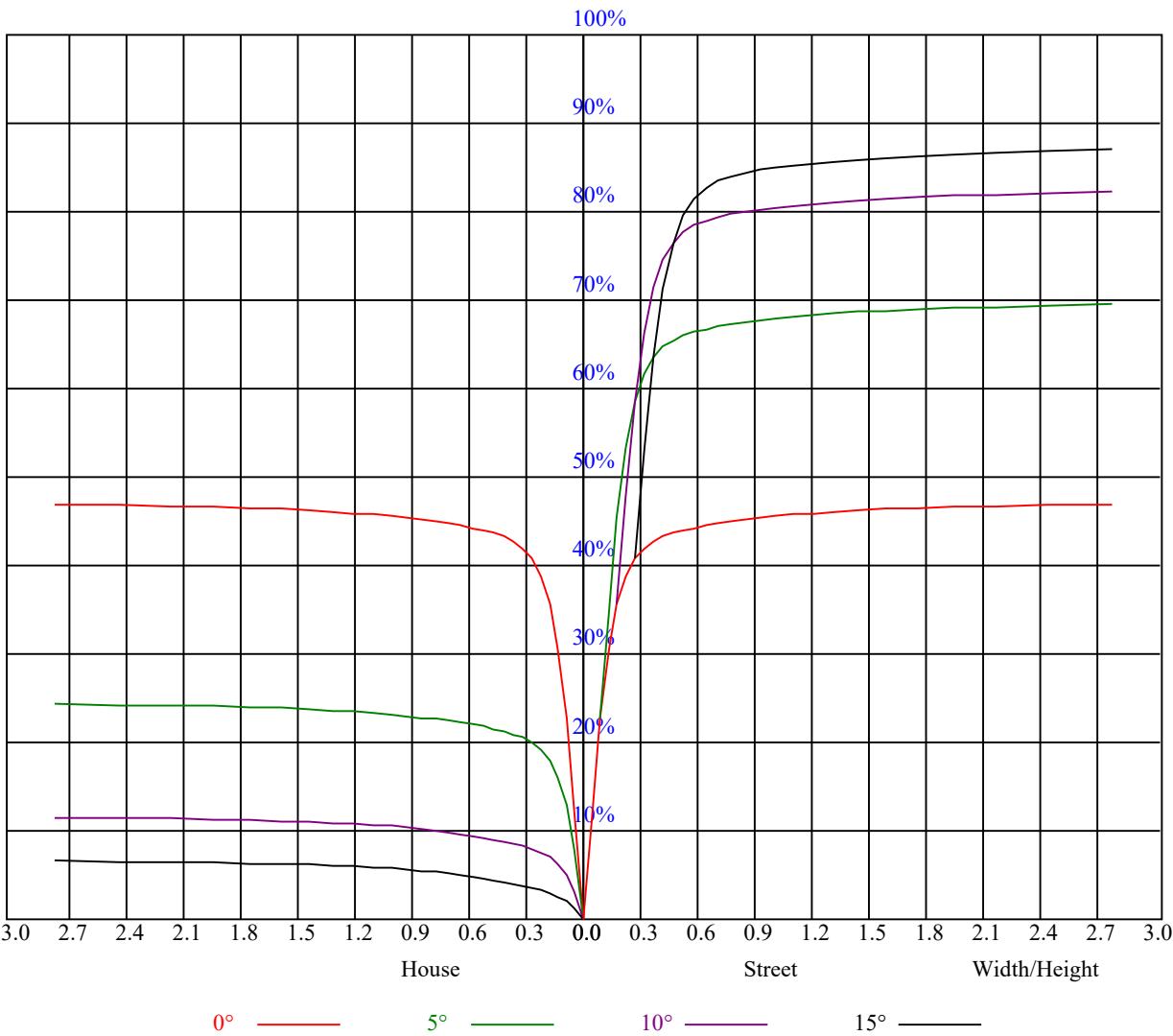
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	≤ 300				
1.5	B		2000	1000	500	≤ 300			
1.85	C			2000	1000	500	≤ 300		
2.2	D				2000	1000	500	≤ 300	
2.55	E					2000	1000	500	≤ 300
		a	b	c	d	e	f	g	h

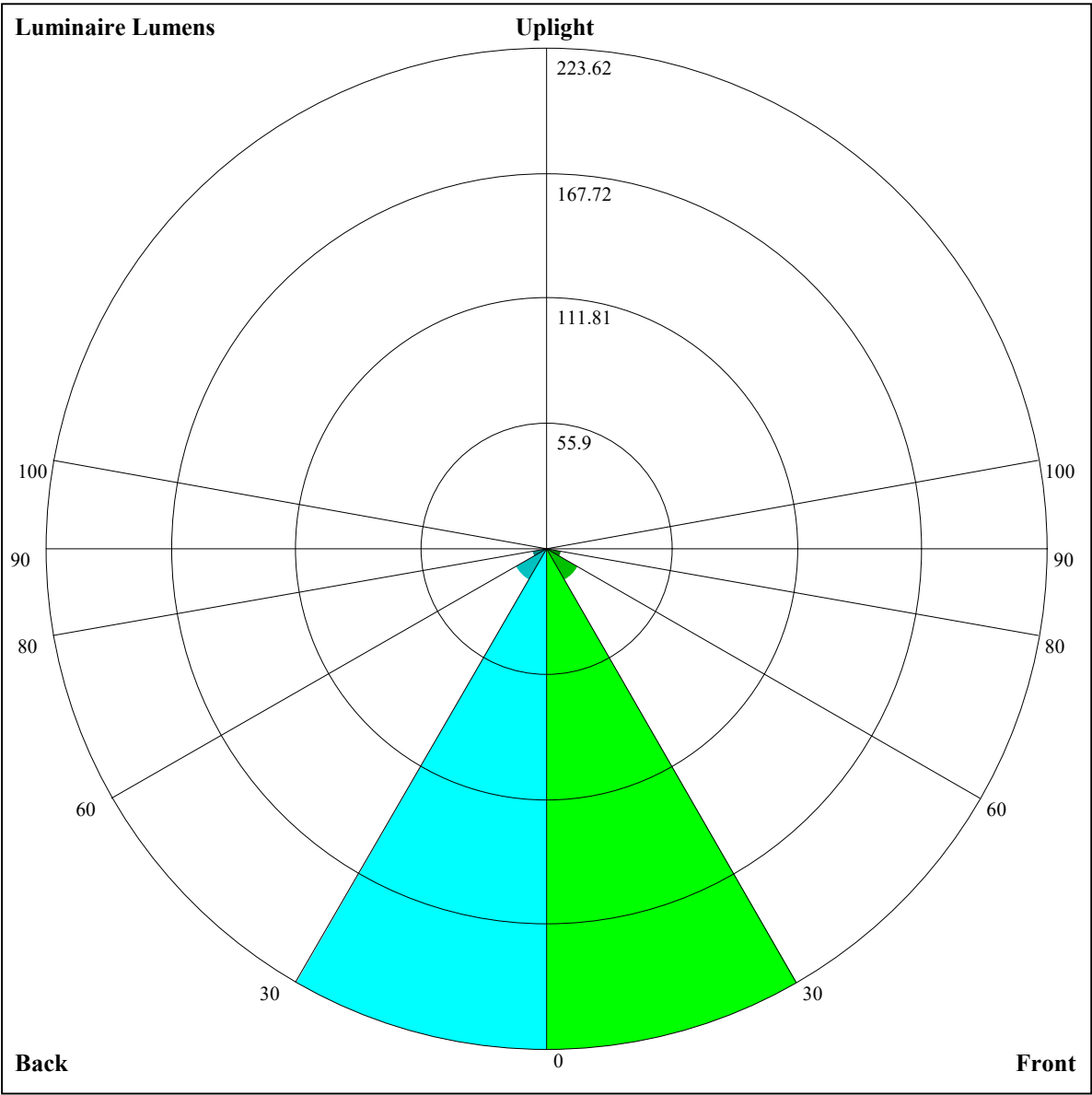
Luminance Limiting Curve





RHOC	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	1.13	1.13	1.13	1.11	1.11	1.11	1.06	1.06	1.06	1.01	1.01	1.01	0.97	0.97	0.97	0.95
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	0.95	0.94	0.93	0.91
2	1.02	0.99	0.97	1.01	0.98	0.96	0.98	0.95	0.94	0.95	0.93	0.92	0.92	0.91	0.90	0.88
3	0.98	0.95	0.92	0.97	0.94	0.91	0.95	0.92	0.90	0.92	0.90	0.89	0.90	0.89	0.87	0.86
4	0.95	0.91	0.88	0.94	0.90	0.88	0.92	0.89	0.87	0.90	0.88	0.86	0.89	0.87	0.85	0.84
5	0.92	0.88	0.86	0.91	0.88	0.85	0.90	0.87	0.85	0.88	0.86	0.84	0.87	0.85	0.83	0.82
6	0.90	0.86	0.83	0.89	0.86	0.83	0.88	0.85	0.82	0.87	0.84	0.82	0.86	0.83	0.81	0.81
7	0.88	0.84	0.81	0.87	0.84	0.81	0.86	0.83	0.81	0.85	0.82	0.80	0.84	0.82	0.80	0.79
8	0.86	0.82	0.80	0.85	0.82	0.80	0.84	0.81	0.79	0.84	0.81	0.79	0.83	0.80	0.79	0.78
9	0.84	0.81	0.78	0.84	0.80	0.78	0.83	0.80	0.78	0.82	0.80	0.78	0.82	0.79	0.77	0.77
10	0.82	0.79	0.77	0.82	0.79	0.77	0.82	0.79	0.77	0.81	0.78	0.77	0.80	0.78	0.76	0.76





Luminaire Lumens:

FL=223.62,FM=16.59,FH=6.54,FVH=2.01

BL=223.62,BM=16.59,BH=6.54,BVH=2.01

UL=0,UH=0

BUG Rating:B1-U0-G0

Intensity data(cd)

Appendix Page: 17 Total:20

C/γ(°)	0.0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0
0.0	5381.64	5312.84	5113.50	4806.55	4408.56	3952.27	3415.83	2889.83	2327.58
22.5	5381.64	5312.84	5113.50	4806.55	4408.56	3952.27	3415.83	2889.83	2327.58
45.0	5381.64	5312.84	5113.50	4806.55	4408.56	3952.27	3415.83	2889.83	2327.58
67.5	5381.64	5312.84	5113.50	4806.55	4408.56	3952.27	3415.83	2889.83	2327.58
90.0	5381.64	5312.84	5113.50	4806.55	4408.56	3952.27	3415.83	2889.83	2327.58
112.5	5381.64	5312.84	5113.50	4806.55	4408.56	3952.27	3415.83	2889.83	2327.58
135.0	5381.64	5312.84	5113.50	4806.55	4408.56	3952.27	3415.83	2889.83	2327.58
157.5	5381.64	5312.84	5113.50	4806.55	4408.56	3952.27	3415.83	2889.83	2327.58
180.0	5381.64	5312.84	5113.50	4806.55	4408.56	3952.27	3415.83	2889.83	2327.58
202.5	5381.64	5312.84	5113.50	4806.55	4408.56	3952.27	3415.83	2889.83	2327.58
225.0	5381.64	5312.84	5113.50	4806.55	4408.56	3952.27	3415.83	2889.83	2327.58
247.5	5381.64	5312.84	5113.50	4806.55	4408.56	3952.27	3415.83	2889.83	2327.58
270.0	5381.64	5312.84	5113.50	4806.55	4408.56	3952.27	3415.83	2889.83	2327.58
292.5	5381.64	5312.84	5113.50	4806.55	4408.56	3952.27	3415.83	2889.83	2327.58
315.0	5381.64	5312.84	5113.50	4806.55	4408.56	3952.27	3415.83	2889.83	2327.58
337.5	5381.64	5312.84	5113.50	4806.55	4408.56	3952.27	3415.83	2889.83	2327.58
360.0	5381.64	5312.84	5113.50	4806.55	4408.56	3952.27	3415.83	2889.83	2327.58

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	1760.09	1409.78	1140.64	869.70	665.82	513.35	399.80	313.56	265.43
22.5	1760.09	1409.78	1140.64	869.70	665.82	513.35	399.80	313.56	265.43
45.0	1760.09	1409.78	1140.64	869.70	665.82	513.35	399.80	313.56	265.43
67.5	1760.09	1409.78	1140.64	869.70	665.82	513.35	399.80	313.56	265.43
90.0	1760.09	1409.78	1140.64	869.70	665.82	513.35	399.80	313.56	265.43
112.5	1760.09	1409.78	1140.64	869.70	665.82	513.35	399.80	313.56	265.43
135.0	1760.09	1409.78	1140.64	869.70	665.82	513.35	399.80	313.56	265.43
157.5	1760.09	1409.78	1140.64	869.70	665.82	513.35	399.80	313.56	265.43
180.0	1760.09	1409.78	1140.64	869.70	665.82	513.35	399.80	313.56	265.43
202.5	1760.09	1409.78	1140.64	869.70	665.82	513.35	399.80	313.56	265.43
225.0	1760.09	1409.78	1140.64	869.70	665.82	513.35	399.80	313.56	265.43
247.5	1760.09	1409.78	1140.64	869.70	665.82	513.35	399.80	313.56	265.43
270.0	1760.09	1409.78	1140.64	869.70	665.82	513.35	399.80	313.56	265.43
292.5	1760.09	1409.78	1140.64	869.70	665.82	513.35	399.80	313.56	265.43
315.0	1760.09	1409.78	1140.64	869.70	665.82	513.35	399.80	313.56	265.43
337.5	1760.09	1409.78	1140.64	869.70	665.82	513.35	399.80	313.56	265.43
360.0	1760.09	1409.78	1140.64	869.70	665.82	513.35	399.80	313.56	265.43

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	229.60	167.67	125.01	100.97	82.14	66.58	54.66	46.04	39.57
22.5	229.60	167.67	125.01	100.97	82.14	66.58	54.66	46.04	39.57
45.0	229.60	167.67	125.01	100.97	82.14	66.58	54.66	46.04	39.57
67.5	229.60	167.67	125.01	100.97	82.14	66.58	54.66	46.04	39.57
90.0	229.60	167.67	125.01	100.97	82.14	66.58	54.66	46.04	39.57
112.5	229.60	167.67	125.01	100.97	82.14	66.58	54.66	46.04	39.57
135.0	229.60	167.67	125.01	100.97	82.14	66.58	54.66	46.04	39.57
157.5	229.60	167.67	125.01	100.97	82.14	66.58	54.66	46.04	39.57
180.0	229.60	167.67	125.01	100.97	82.14	66.58	54.66	46.04	39.57
202.5	229.60	167.67	125.01	100.97	82.14	66.58	54.66	46.04	39.57
225.0	229.60	167.67	125.01	100.97	82.14	66.58	54.66	46.04	39.57
247.5	229.60	167.67	125.01	100.97	82.14	66.58	54.66	46.04	39.57
270.0	229.60	167.67	125.01	100.97	82.14	66.58	54.66	46.04	39.57
292.5	229.60	167.67	125.01	100.97	82.14	66.58	54.66	46.04	39.57
315.0	229.60	167.67	125.01	100.97	82.14	66.58	54.66	46.04	39.57
337.5	229.60	167.67	125.01	100.97	82.14	66.58	54.66	46.04	39.57
360.0	229.60	167.67	125.01	100.97	82.14	66.58	54.66	46.04	39.57

Intensity data(cd)

Appendix Page: 18 Total:20

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	34.42	30.45	27.73	25.47	23.60	22.06	20.76	19.68	18.67
22.5	34.42	30.45	27.73	25.47	23.60	22.06	20.76	19.68	18.67
45.0	34.42	30.45	27.73	25.47	23.60	22.06	20.76	19.68	18.67
67.5	34.42	30.45	27.73	25.47	23.60	22.06	20.76	19.68	18.67
90.0	34.42	30.45	27.73	25.47	23.60	22.06	20.76	19.68	18.67
112.5	34.42	30.45	27.73	25.47	23.60	22.06	20.76	19.68	18.67
135.0	34.42	30.45	27.73	25.47	23.60	22.06	20.76	19.68	18.67
157.5	34.42	30.45	27.73	25.47	23.60	22.06	20.76	19.68	18.67
180.0	34.42	30.45	27.73	25.47	23.60	22.06	20.76	19.68	18.67
202.5	34.42	30.45	27.73	25.47	23.60	22.06	20.76	19.68	18.67
225.0	34.42	30.45	27.73	25.47	23.60	22.06	20.76	19.68	18.67
247.5	34.42	30.45	27.73	25.47	23.60	22.06	20.76	19.68	18.67
270.0	34.42	30.45	27.73	25.47	23.60	22.06	20.76	19.68	18.67
292.5	34.42	30.45	27.73	25.47	23.60	22.06	20.76	19.68	18.67
315.0	34.42	30.45	27.73	25.47	23.60	22.06	20.76	19.68	18.67
337.5	34.42	30.45	27.73	25.47	23.60	22.06	20.76	19.68	18.67
360.0	34.42	30.45	27.73	25.47	23.60	22.06	20.76	19.68	18.67
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	17.80	17.09	16.43	15.81	15.26	14.78	14.35	14.01	13.74
22.5	17.80	17.09	16.43	15.81	15.26	14.78	14.35	14.01	13.74
45.0	17.80	17.09	16.43	15.81	15.26	14.78	14.35	14.01	13.74
67.5	17.80	17.09	16.43	15.81	15.26	14.78	14.35	14.01	13.74
90.0	17.80	17.09	16.43	15.81	15.26	14.78	14.35	14.01	13.74
112.5	17.80	17.09	16.43	15.81	15.26	14.78	14.35	14.01	13.74
135.0	17.80	17.09	16.43	15.81	15.26	14.78	14.35	14.01	13.74
157.5	17.80	17.09	16.43	15.81	15.26	14.78	14.35	14.01	13.74
180.0	17.80	17.09	16.43	15.81	15.26	14.78	14.35	14.01	13.74
202.5	17.80	17.09	16.43	15.81	15.26	14.78	14.35	14.01	13.74
225.0	17.80	17.09	16.43	15.81	15.26	14.78	14.35	14.01	13.74
247.5	17.80	17.09	16.43	15.81	15.26	14.78	14.35	14.01	13.74
270.0	17.80	17.09	16.43	15.81	15.26	14.78	14.35	14.01	13.74
292.5	17.80	17.09	16.43	15.81	15.26	14.78	14.35	14.01	13.74
315.0	17.80	17.09	16.43	15.81	15.26	14.78	14.35	14.01	13.74
337.5	17.80	17.09	16.43	15.81	15.26	14.78	14.35	14.01	13.74
360.0	17.80	17.09	16.43	15.81	15.26	14.78	14.35	14.01	13.74
C/γ(°)	45.0	46.0	47.0	48.0	49.0	50.0	51.0	52.0	53.0
0.0	13.59	13.52	13.53	13.54	13.54	13.48	13.31	12.98	12.59
22.5	13.59	13.52	13.53	13.54	13.54	13.48	13.31	12.98	12.59
45.0	13.59	13.52	13.53	13.54	13.54	13.48	13.31	12.98	12.59
67.5	13.59	13.52	13.53	13.54	13.54	13.48	13.31	12.98	12.59
90.0	13.59	13.52	13.53	13.54	13.54	13.48	13.31	12.98	12.59
112.5	13.59	13.52	13.53	13.54	13.54	13.48	13.31	12.98	12.59
135.0	13.59	13.52	13.53	13.54	13.54	13.48	13.31	12.98	12.59
157.5	13.59	13.52	13.53	13.54	13.54	13.48	13.31	12.98	12.59
180.0	13.59	13.52	13.53	13.54	13.54	13.48	13.31	12.98	12.59
202.5	13.59	13.52	13.53	13.54	13.54	13.48	13.31	12.98	12.59
225.0	13.59	13.52	13.53	13.54	13.54	13.48	13.31	12.98	12.59
247.5	13.59	13.52	13.53	13.54	13.54	13.48	13.31	12.98	12.59
270.0	13.59	13.52	13.53	13.54	13.54	13.48	13.31	12.98	12.59
292.5	13.59	13.52	13.53	13.54	13.54	13.48	13.31	12.98	12.59
315.0	13.59	13.52	13.53	13.54	13.54	13.48	13.31	12.98	12.59
337.5	13.59	13.52	13.53	13.54	13.54	13.48	13.31	12.98	12.59
360.0	13.59	13.52	13.53	13.54	13.54	13.48	13.31	12.98	12.59

Intensity data(cd)										Appendix Page: 19 Total:20	
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0		
0.0	12.14	11.70	11.24	10.81	10.39	9.99	9.62	9.22	8.82		
22.5	12.14	11.70	11.24	10.81	10.39	9.99	9.62	9.22	8.82		
45.0	12.14	11.70	11.24	10.81	10.39	9.99	9.62	9.22	8.82		
67.5	12.14	11.70	11.24	10.81	10.39	9.99	9.62	9.22	8.82		
90.0	12.14	11.70	11.24	10.81	10.39	9.99	9.62	9.22	8.82		
112.5	12.14	11.70	11.24	10.81	10.39	9.99	9.62	9.22	8.82		
135.0	12.14	11.70	11.24	10.81	10.39	9.99	9.62	9.22	8.82		
157.5	12.14	11.70	11.24	10.81	10.39	9.99	9.62	9.22	8.82		
180.0	12.14	11.70	11.24	10.81	10.39	9.99	9.62	9.22	8.82		
202.5	12.14	11.70	11.24	10.81	10.39	9.99	9.62	9.22	8.82		
225.0	12.14	11.70	11.24	10.81	10.39	9.99	9.62	9.22	8.82		
247.5	12.14	11.70	11.24	10.81	10.39	9.99	9.62	9.22	8.82		
270.0	12.14	11.70	11.24	10.81	10.39	9.99	9.62	9.22	8.82		
292.5	12.14	11.70	11.24	10.81	10.39	9.99	9.62	9.22	8.82		
315.0	12.14	11.70	11.24	10.81	10.39	9.99	9.62	9.22	8.82		
337.5	12.14	11.70	11.24	10.81	10.39	9.99	9.62	9.22	8.82		
360.0	12.14	11.70	11.24	10.81	10.39	9.99	9.62	9.22	8.82		
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0		
0.0	8.47	8.08	7.71	7.36	7.05	6.75	6.45	6.17	5.92		
22.5	8.47	8.08	7.71	7.36	7.05	6.75	6.45	6.17	5.92		
45.0	8.47	8.08	7.71	7.36	7.05	6.75	6.45	6.17	5.92		
67.5	8.47	8.08	7.71	7.36	7.05	6.75	6.45	6.17	5.92		
90.0	8.47	8.08	7.71	7.36	7.05	6.75	6.45	6.17	5.92		
112.5	8.47	8.08	7.71	7.36	7.05	6.75	6.45	6.17	5.92		
135.0	8.47	8.08	7.71	7.36	7.05	6.75	6.45	6.17	5.92		
157.5	8.47	8.08	7.71	7.36	7.05	6.75	6.45	6.17	5.92		
180.0	8.47	8.08	7.71	7.36	7.05	6.75	6.45	6.17	5.92		
202.5	8.47	8.08	7.71	7.36	7.05	6.75	6.45	6.17	5.92		
225.0	8.47	8.08	7.71	7.36	7.05	6.75	6.45	6.17	5.92		
247.5	8.47	8.08	7.71	7.36	7.05	6.75	6.45	6.17	5.92		
270.0	8.47	8.08	7.71	7.36	7.05	6.75	6.45	6.17	5.92		
292.5	8.47	8.08	7.71	7.36	7.05	6.75	6.45	6.17	5.92		
315.0	8.47	8.08	7.71	7.36	7.05	6.75	6.45	6.17	5.92		
337.5	8.47	8.08	7.71	7.36	7.05	6.75	6.45	6.17	5.92		
360.0	8.47	8.08	7.71	7.36	7.05	6.75	6.45	6.17	5.92		
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0		
0.0	5.68	5.44	5.21	5.00	4.82	4.69	4.54	4.39	4.26		
22.5	5.68	5.44	5.21	5.00	4.82	4.69	4.54	4.39	4.26		
45.0	5.68	5.44	5.21	5.00	4.82	4.69	4.54	4.39	4.26		
67.5	5.68	5.44	5.21	5.00	4.82	4.69	4.54	4.39	4.26		
90.0	5.68	5.44	5.21	5.00	4.82	4.69	4.54	4.39	4.26		
112.5	5.68	5.44	5.21	5.00	4.82	4.69	4.54	4.39	4.26		
135.0	5.68	5.44	5.21	5.00	4.82	4.69	4.54	4.39	4.26		
157.5	5.68	5.44	5.21	5.00	4.82	4.69	4.54	4.39	4.26		
180.0	5.68	5.44	5.21	5.00	4.82	4.69	4.54	4.39	4.26		
202.5	5.68	5.44	5.21	5.00	4.82	4.69	4.54	4.39	4.26		
225.0	5.68	5.44	5.21	5.00	4.82	4.69	4.54	4.39	4.26		
247.5	5.68	5.44	5.21	5.00	4.82	4.69	4.54	4.39	4.26		
270.0	5.68	5.44	5.21	5.00	4.82	4.69	4.54	4.39	4.26		
292.5	5.68	5.44	5.21	5.00	4.82	4.69	4.54	4.39	4.26		
315.0	5.68	5.44	5.21	5.00	4.82	4.69	4.54	4.39	4.26		
337.5	5.68	5.44	5.21	5.00	4.82	4.69	4.54	4.39	4.26		
360.0	5.68	5.44	5.21	5.00	4.82	4.69	4.54	4.39	4.26		

Intensity data(cd)									Appendix Page: 20 Total:20
C/ $\gamma(^{\circ})$	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	4.14	4.03	3.94	3.83	3.71	3.60	3.49	3.39	3.16
22.5	4.14	4.03	3.94	3.83	3.71	3.60	3.49	3.39	3.16
45.0	4.14	4.03	3.94	3.83	3.71	3.60	3.49	3.39	3.16
67.5	4.14	4.03	3.94	3.83	3.71	3.60	3.49	3.39	3.16
90.0	4.14	4.03	3.94	3.83	3.71	3.60	3.49	3.39	3.16
112.5	4.14	4.03	3.94	3.83	3.71	3.60	3.49	3.39	3.16
135.0	4.14	4.03	3.94	3.83	3.71	3.60	3.49	3.39	3.16
157.5	4.14	4.03	3.94	3.83	3.71	3.60	3.49	3.39	3.16
180.0	4.14	4.03	3.94	3.83	3.71	3.60	3.49	3.39	3.16
202.5	4.14	4.03	3.94	3.83	3.71	3.60	3.49	3.39	3.16
225.0	4.14	4.03	3.94	3.83	3.71	3.60	3.49	3.39	3.16
247.5	4.14	4.03	3.94	3.83	3.71	3.60	3.49	3.39	3.16
270.0	4.14	4.03	3.94	3.83	3.71	3.60	3.49	3.39	3.16
292.5	4.14	4.03	3.94	3.83	3.71	3.60	3.49	3.39	3.16
315.0	4.14	4.03	3.94	3.83	3.71	3.60	3.49	3.39	3.16
337.5	4.14	4.03	3.94	3.83	3.71	3.60	3.49	3.39	3.16
360.0	4.14	4.03	3.94	3.83	3.71	3.60	3.49	3.39	3.16
C/ $\gamma(^{\circ})$	90.0								
0.0	2.96								
22.5	2.96								
45.0	2.96								
67.5	2.96								
90.0	2.96								
112.5	2.96								
135.0	2.96								
157.5	2.96								
180.0	2.96								
202.5	2.96								
225.0	2.96								
247.5	2.96								
270.0	2.96								
292.5	2.96								
315.0	2.96								
337.5	2.96								
360.0	2.96								