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Nata

Client: NT

LumCAT: 62-0098

Luminaire: 92.70.412.00

Report No: 20261006-B006

Ballast type: DC

Test No: 20261006-C006

LampCAT: CITIZEN CLU038

Lamp flux(lm): 2335.0

Number of Lamps: 1

Length(mm): 0

Phm Type: C

Voltage(V): 34.680

Current(A): 0.521

Power (W): 18.060

PF: 0.000

Width(mm): 0

Height(mm): 0

Photometric Results

Lumens(lm): 2227.53, Efficiency(%): 95.40% , Luminous Efficacy(lm/W): 123.34

Central intensity(cd): 5699.743, Maximum intensity(cd): 5718.363

Angle of maximum intensity: C=90.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=36.9

[C90/270]Total=36.2

Field angle(10%Imax): [C0/180]Total=54.2

[C90/270]Total=54.5

Maximum s/h(1/2): C0_180=0.63 C90_270=0.62

Maximum s/h(1/4): C0_180=0.58 C90_270=0.54

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 95.41%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 97.296%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	5709.687	0.000	0	0.00%	0.00%
1.0	5699.531	5.459	5.459	0.23%	0.25%
2.0	5679.323	16.332	21.791	0.70%	0.98%
3.0	5643.457	27.080	48.871	1.16%	2.19%
4.0	5602.618	37.644	86.516	1.61%	3.88%
5.0	5543.264	47.949	134.465	2.05%	6.04%
6.0	5470.262	57.879	192.344	2.48%	8.63%
7.0	5385.834	67.384	259.727	2.89%	11.66%
8.0	5288.074	76.391	336.118	3.27%	15.09%
9.0	5181.428	84.850	420.968	3.63%	18.90%
10.0	5034.260	92.448	513.416	3.96%	23.05%
11.0	4860.431	98.868	612.285	4.23%	27.49%
12.0	4672.636	104.210	716.495	4.46%	32.17%
13.0	4457.650	108.353	824.848	4.64%	37.03%
14.0	4188.707	110.673	935.521	4.74%	42.00%
15.0	3904.422	111.106	1046.627	4.76%	46.99%
16.0	3591.360	109.834	1156.461	4.70%	51.92%
17.0	3268.035	106.819	1263.28	4.57%	56.71%
18.0	2920.905	102.042	1365.322	4.37%	61.29%
19.0	2582.451	95.747	1461.07	4.10%	65.59%
20.0	2184.209	87.243	1548.313	3.74%	69.51%
21.0	1897.311	78.373	1626.686	3.36%	73.03%
22.0	1698.249	72.254	1698.94	3.09%	76.27%
23.0	1435.844	65.762	1764.702	2.82%	79.22%
24.0	1194.683	57.513	1822.215	2.46%	81.80%
25.0	978.819	49.421	1871.636	2.12%	84.02%
26.0	785.406	41.645	1913.28	1.78%	85.89%
27.0	622.051	34.434	1947.714	1.47%	87.44%
28.0	479.856	27.898	1975.612	1.19%	88.69%
29.0	392.888	22.833	1998.445	0.98%	89.72%
30.0	304.492	18.829	2017.275	0.81%	90.56%
31.0	225.121	14.738	2032.013	0.63%	91.22%
32.0	181.542	11.650	2043.663	0.50%	91.75%
33.0	126.484	9.075	2052.738	0.39%	92.15%
34.0	105.387	7.017	2059.755	0.30%	92.47%
35.0	90.512	6.084	2065.839	0.26%	92.74%
36.0	80.080	5.432	2071.271	0.23%	92.99%
37.0	72.991	4.992	2076.263	0.21%	93.21%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	67.744	4.698	2080.961	0.20%	93.42%
39.0	63.258	4.471	2085.432	0.19%	93.62%
40.0	59.862	4.294	2089.726	0.18%	93.81%
41.0	56.984	4.161	2093.887	0.18%	94.00%
42.0	55.048	4.070	2097.957	0.17%	94.18%
43.0	53.334	4.015	2101.972	0.17%	94.36%
44.0	52.085	3.979	2105.951	0.17%	94.54%
45.0	51.123	3.966	2109.917	0.17%	94.72%
46.0	50.329	3.968	2113.885	0.17%	94.90%
47.0	49.663	3.977	2117.861	0.17%	95.08%
48.0	48.985	3.988	2121.849	0.17%	95.26%
49.0	48.372	3.998	2125.847	0.17%	95.44%
50.0	47.695	4.005	2129.853	0.17%	95.62%
51.0	46.891	4.002	2133.854	0.17%	95.79%
52.0	45.907	3.982	2137.836	0.17%	95.97%
53.0	44.849	3.948	2141.784	0.17%	96.15%
54.0	43.844	3.909	2145.694	0.17%	96.33%
55.0	42.595	3.858	2149.552	0.17%	96.50%
56.0	41.315	3.792	2153.344	0.16%	96.67%
57.0	39.992	3.718	2157.061	0.16%	96.84%
58.0	38.659	3.637	2160.698	0.16%	97.00%
59.0	37.231	3.548	2164.246	0.15%	97.16%
60.0	35.782	3.449	2167.696	0.15%	97.31%
61.0	34.343	3.346	2171.042	0.14%	97.46%
62.0	32.893	3.240	2174.282	0.14%	97.61%
63.0	31.560	3.135	2177.417	0.13%	97.75%
64.0	30.068	3.024	2180.441	0.13%	97.89%
65.0	28.693	2.908	2183.349	0.12%	98.02%
66.0	27.286	2.793	2186.142	0.12%	98.14%
67.0	26.016	2.680	2188.822	0.11%	98.26%
68.0	24.736	2.571	2191.393	0.11%	98.38%
69.0	23.456	2.459	2193.851	0.11%	98.49%
70.0	22.144	2.342	2196.193	0.10%	98.59%
71.0	20.864	2.223	2198.416	0.10%	98.69%
72.0	19.615	2.105	2200.521	0.09%	98.79%
73.0	18.409	1.988	2202.509	0.09%	98.88%
74.0	17.647	1.896	2204.405	0.08%	98.96%
75.0	17.679	1.867	2206.271	0.08%	99.05%

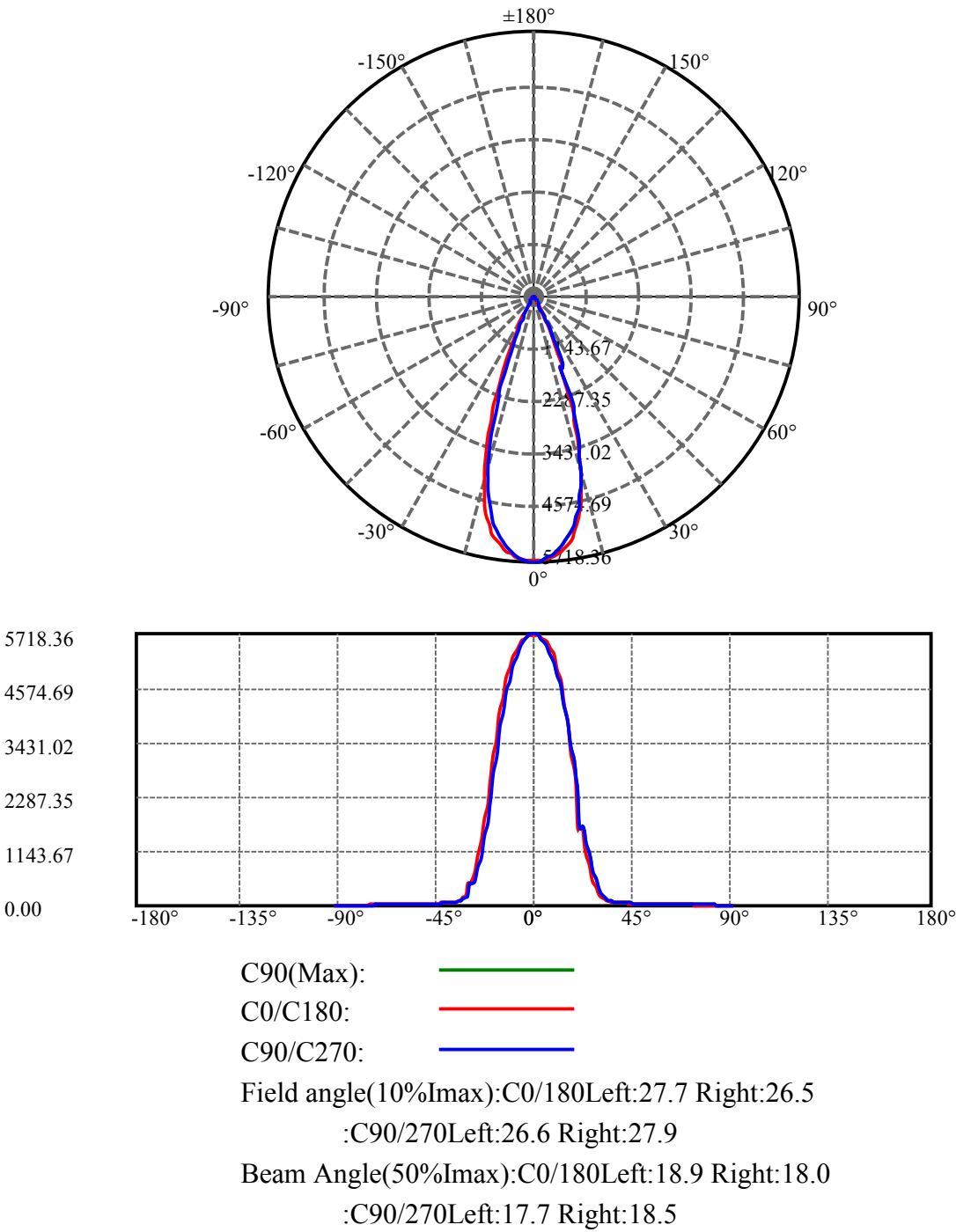
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	18.388	1.915	2208.186	0.08%	99.13%
77.0	18.864	1.986	2210.172	0.09%	99.22%
78.0	18.906	2.022	2212.194	0.09%	99.31%
79.0	18.314	2.000	2214.194	0.09%	99.40%
80.0	16.769	1.891	2216.085	0.08%	99.49%
81.0	14.653	1.699	2217.785	0.07%	99.56%
82.0	13.087	1.504	2219.289	0.06%	99.63%
83.0	11.606	1.342	2220.631	0.06%	99.69%
84.0	10.601	1.210	2221.841	0.05%	99.74%
85.0	9.839	1.116	2222.957	0.05%	99.79%
86.0	8.982	1.029	2223.986	0.04%	99.84%
87.0	8.422	0.952	2224.938	0.04%	99.88%
88.0	7.967	0.898	2225.836	0.04%	99.92%
89.0	7.702	0.859	2226.695	0.04%	99.96%
90.0	7.522	0.835	2227.529	0.04%	100.00%

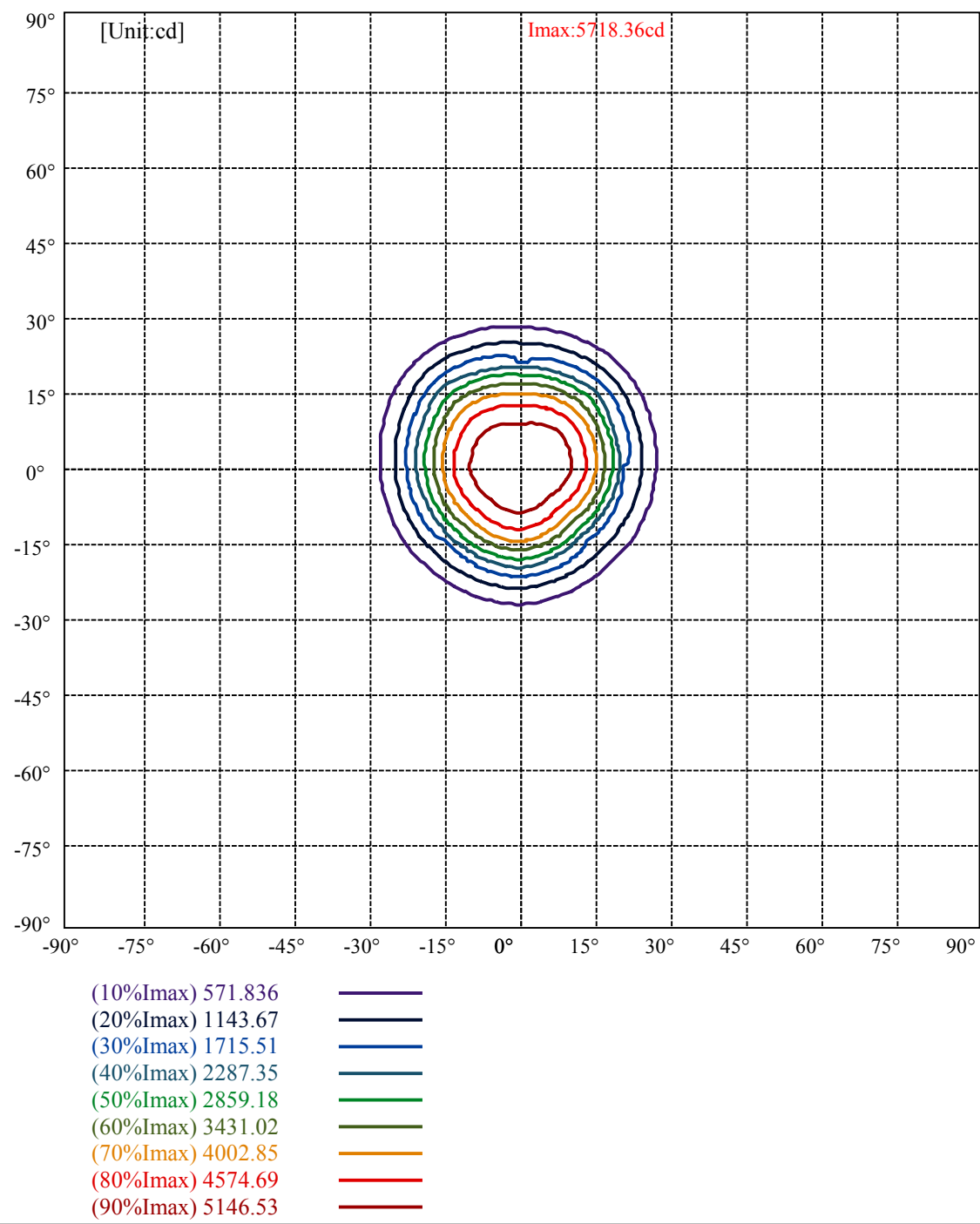
ZONAL LUMEN SUMMARY

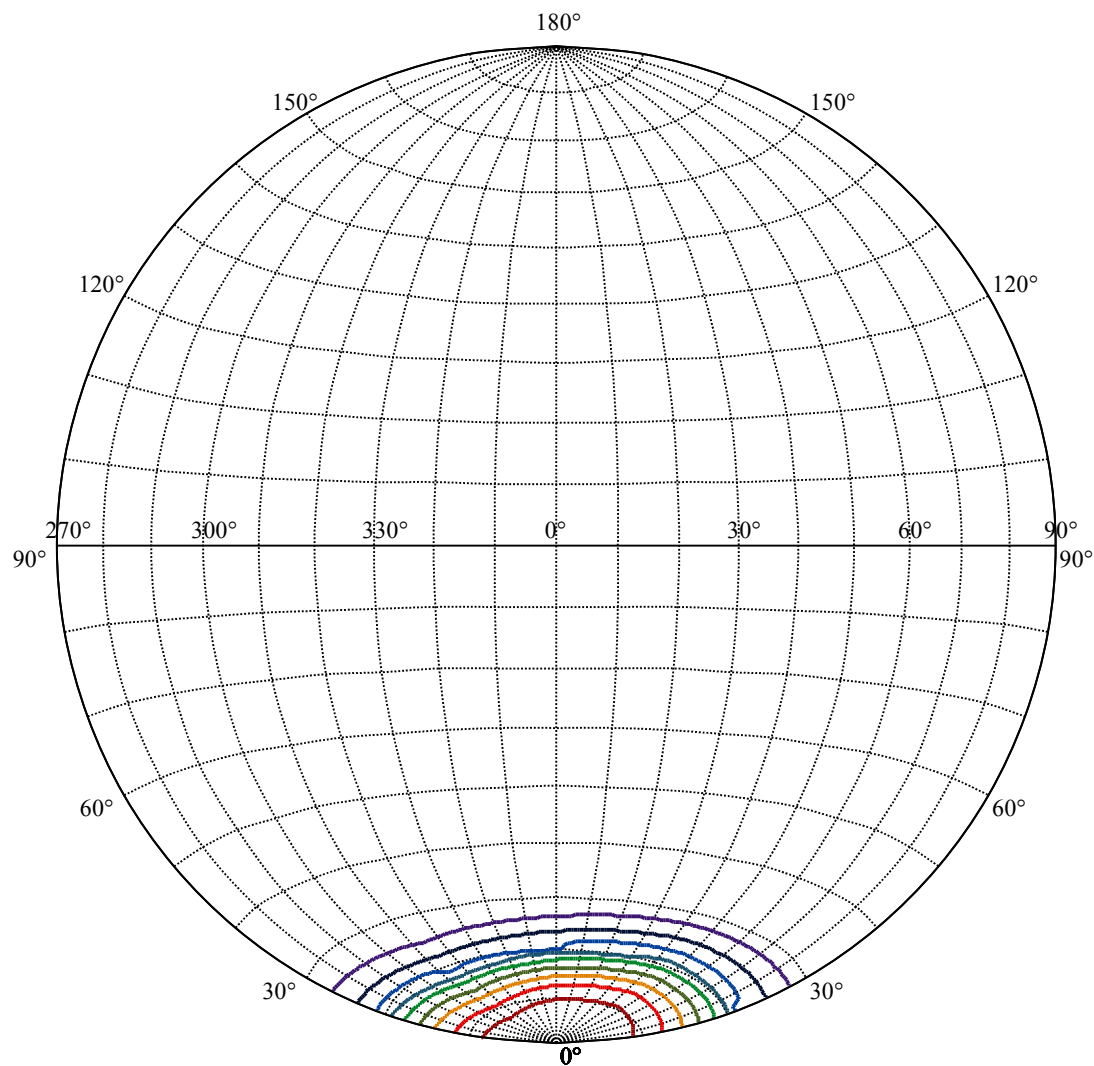
Zone	Lumens	%Lamp	%Fixt
0-30	2017.27	86.39%	90.56%
0-40	2089.73	89.50%	93.81%
0-60	2167.70	92.83%	97.31%
0-90	2226.69	95.36%	99.96%
0-120	2226.69	95.36%	99.96%
0-180	2227.53	95.40%	100.00%
60-90	59.00	2.53%	2.65%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-23.30	1782.02	76.32%	80.00%

ZONAL LUMEN SUMMARY

0-10	513.42
10-20	1034.90
20-30	468.96
30-40	72.45
40-50	40.13
50-60	37.84
60-70	28.50
70-80	19.89
80-90	10.61
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





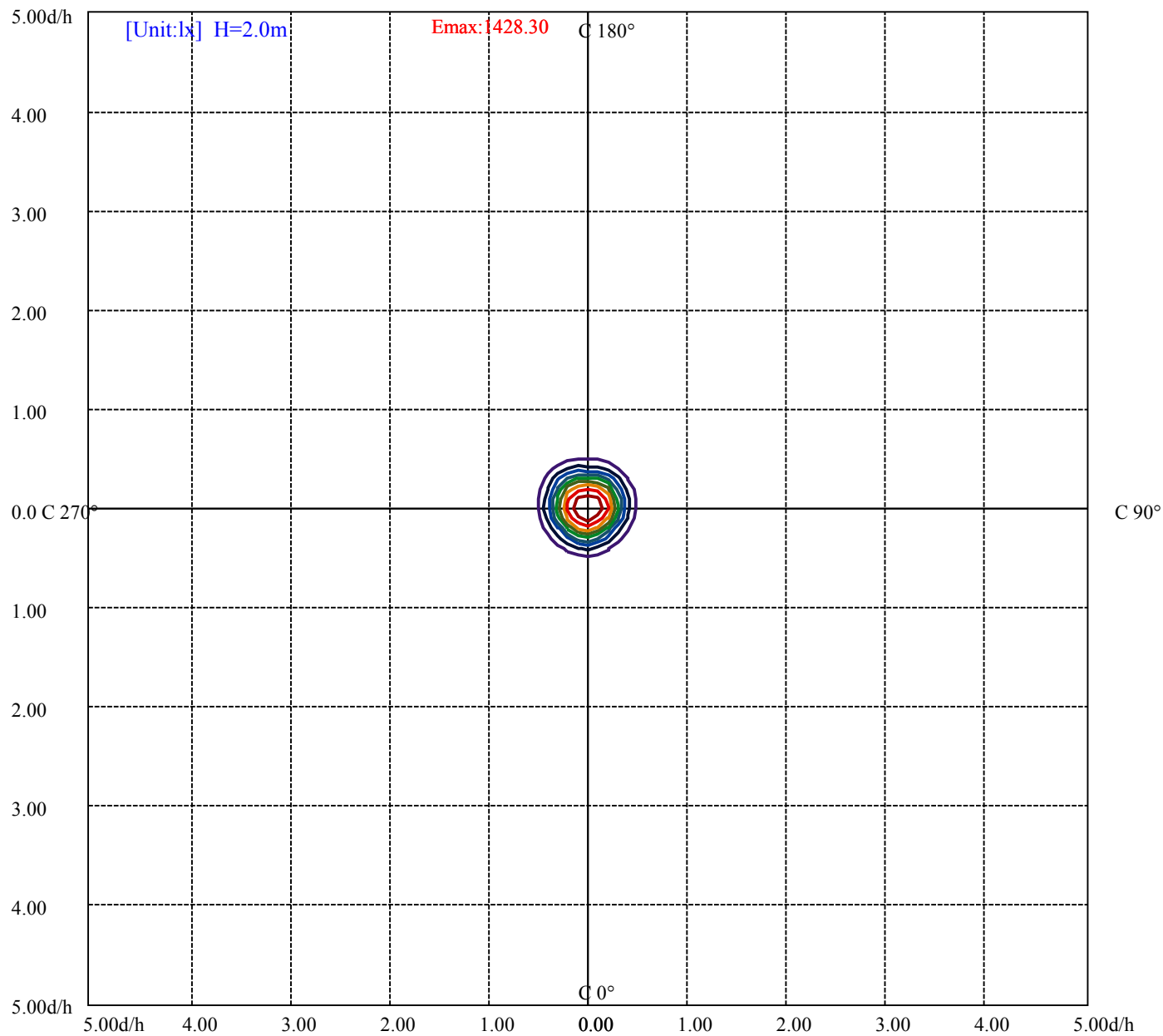


House

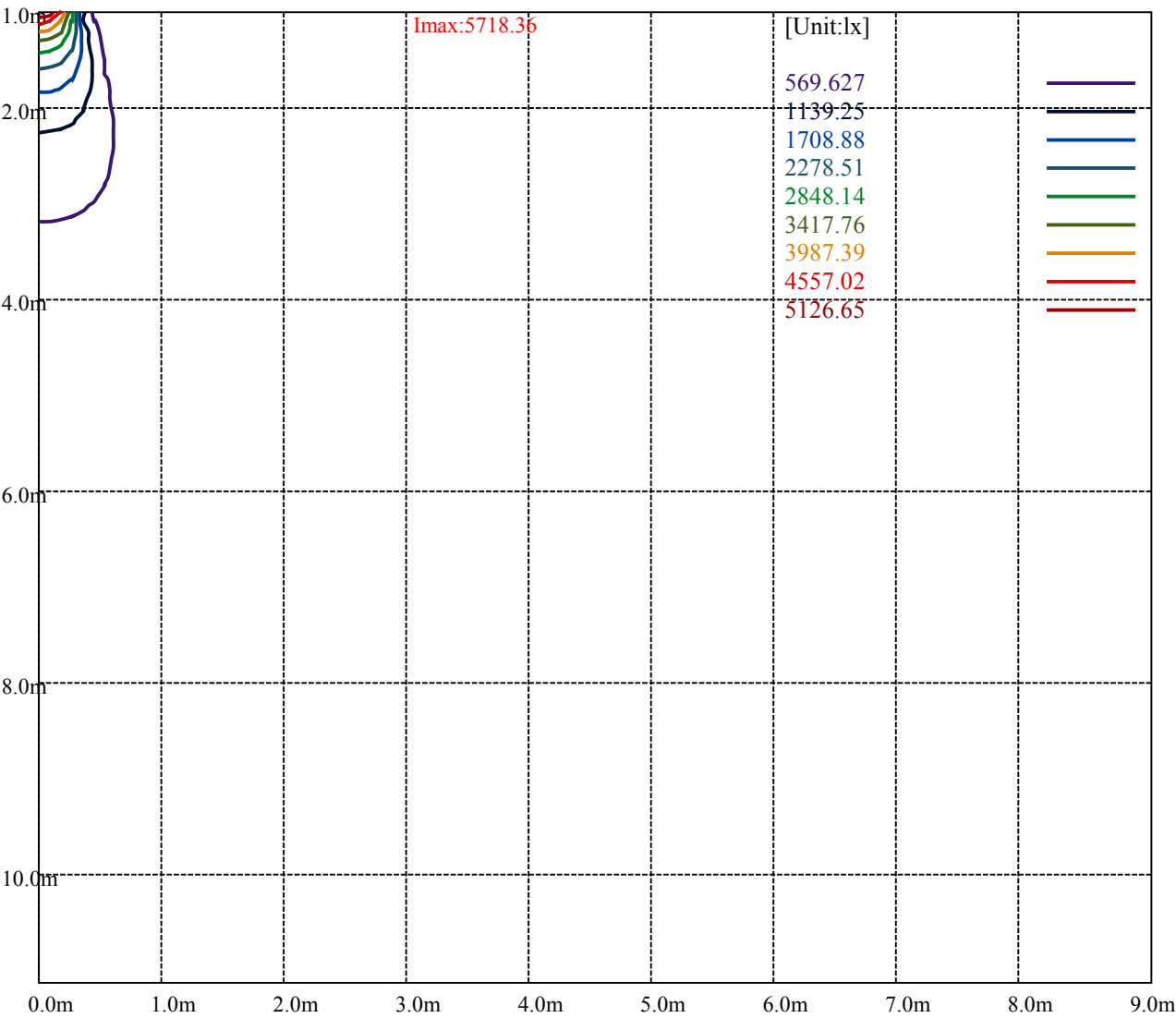
[Unit:cd]

Road

Imax:5718.36	
(10%Imax) 572.166	
(20%Imax) 1144.33	
(30%Imax) 1716.5	
(40%Imax) 2288.67	
(50%Imax) 2860.83	
(60%Imax) 3433	
(70%Imax) 4005.16	
(80%Imax) 4577.33	
(90%Imax) 5149.5	



(10%Emax)	142.83	
(20%Emax)	285.66	
(30%Emax)	428.49	
(40%Emax)	571.32	
(50%Emax)	714.15	
(60%Emax)	856.98	
(70%Emax)	999.81	
(80%Emax)	1142.64	
(90%Emax)	1285.47	



Luminance Table

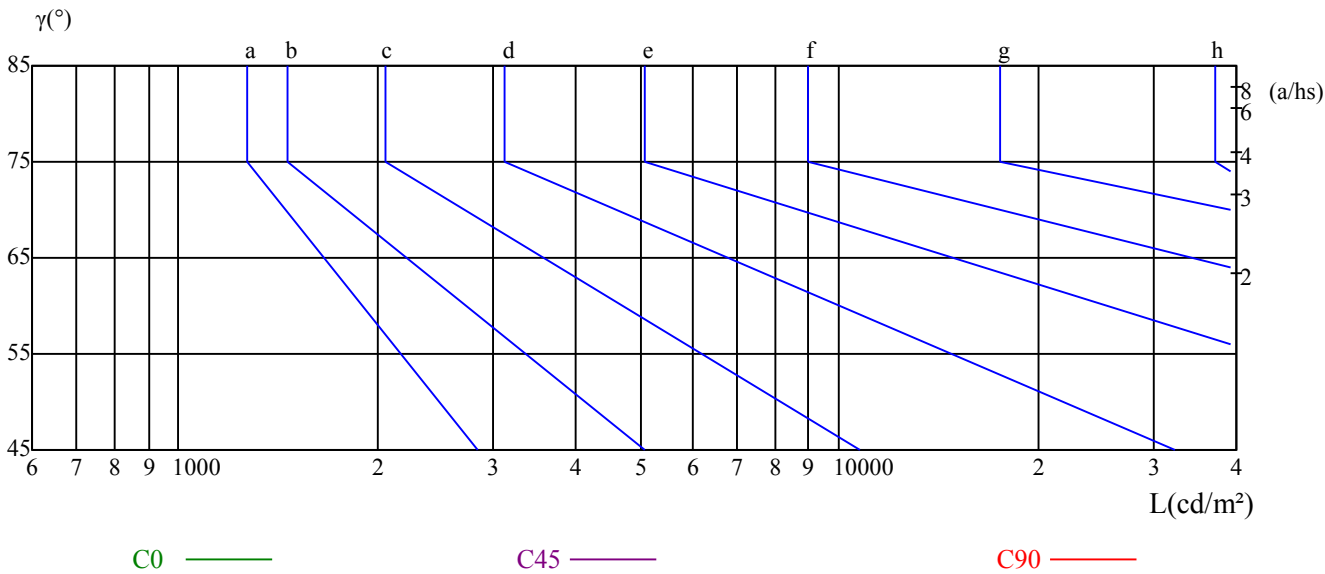
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

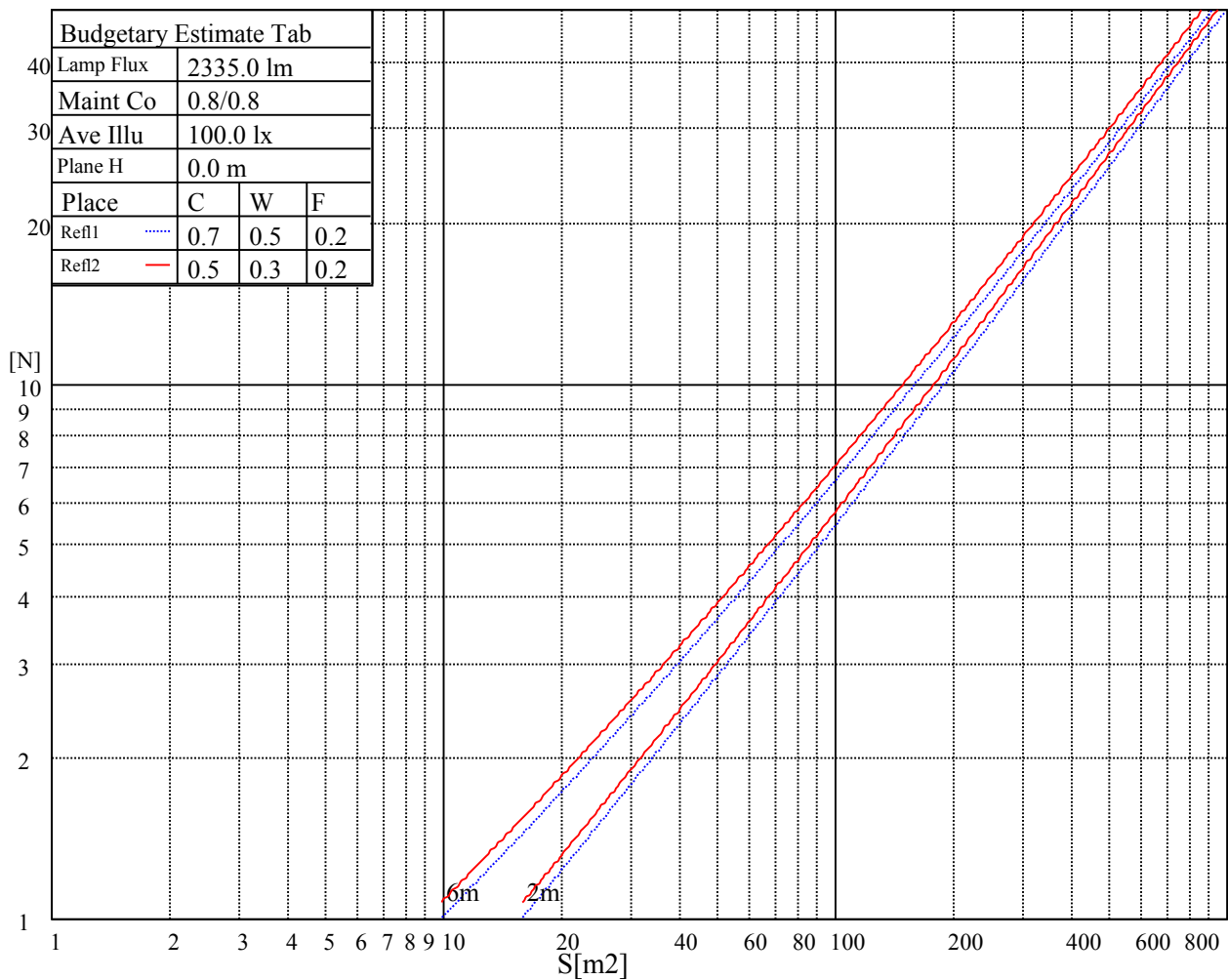
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	≤ 300				
1.5	B		2000	1000	500	≤ 300			
1.85	C			2000	1000	500	≤ 300		
2.2	D				2000	1000	500	≤ 300	
2.55	E					2000	1000	500	≤ 300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

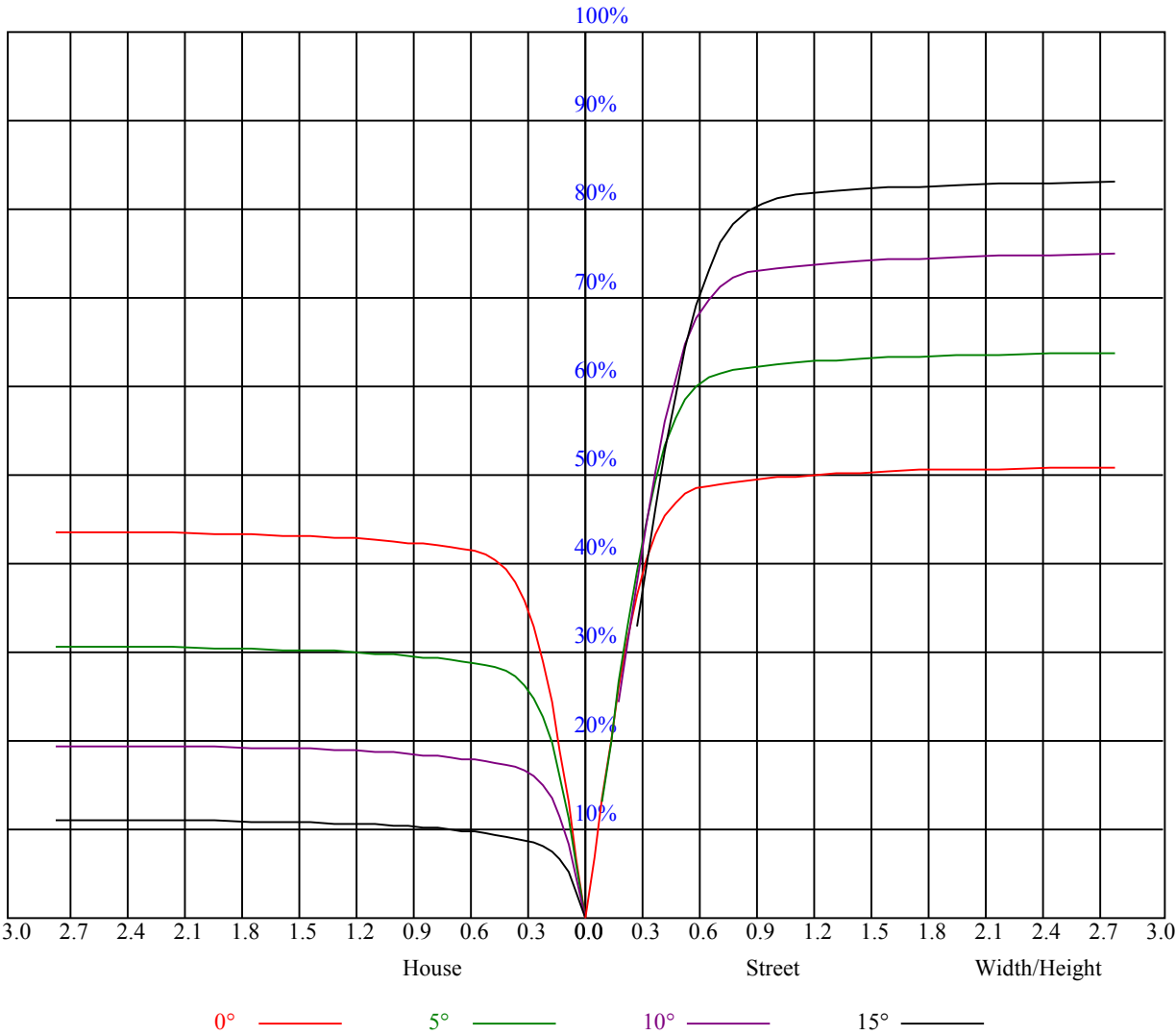


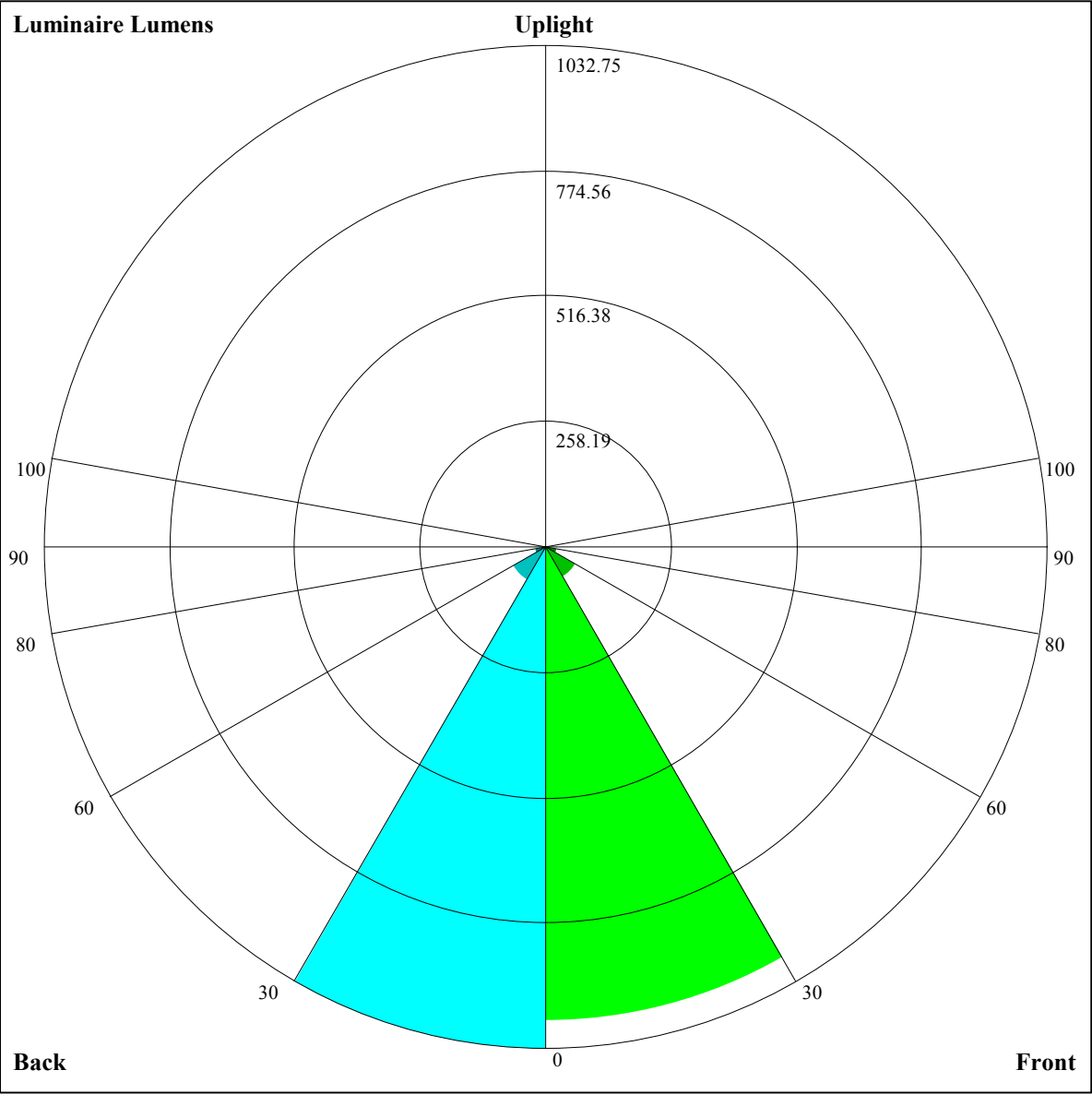
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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	
4H	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	
	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	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	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



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	1.14	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	0.95
1	1.06	1.04	1.02	1.04	1.02	1.01	1.01	0.99	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.90
2	1.00	0.97	0.94	0.99	0.96	0.93	0.96	0.93	0.91	0.93	0.91	0.89	0.90	0.89	0.87	0.86
3	0.95	0.91	0.88	0.94	0.90	0.87	0.91	0.88	0.86	0.89	0.87	0.84	0.87	0.85	0.83	0.82
4	0.91	0.86	0.83	0.90	0.85	0.82	0.88	0.84	0.81	0.86	0.83	0.80	0.84	0.82	0.80	0.78
5	0.86	0.82	0.79	0.86	0.81	0.78	0.84	0.80	0.77	0.83	0.79	0.77	0.81	0.78	0.76	0.75
6	0.83	0.78	0.75	0.82	0.78	0.75	0.81	0.77	0.74	0.80	0.76	0.74	0.78	0.75	0.73	0.72
7	0.80	0.75	0.72	0.79	0.75	0.71	0.78	0.74	0.71	0.77	0.73	0.71	0.76	0.73	0.70	0.69
8	0.77	0.72	0.69	0.76	0.72	0.69	0.75	0.71	0.68	0.74	0.71	0.68	0.73	0.70	0.68	0.67
9	0.74	0.69	0.66	0.73	0.69	0.66	0.73	0.69	0.66	0.72	0.68	0.66	0.71	0.68	0.65	0.64
10	0.71	0.67	0.64	0.71	0.67	0.64	0.70	0.66	0.64	0.69	0.66	0.63	0.69	0.66	0.63	0.62





Luminaire Lumens:

FL=977.1,FM=72.85,FH=23.8,FVH=5.86

BL=1032.75,BM=79.34,BH=24.96,BVH=6.01

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	5699.74	5691.28	5681.12	5663.35	5623.57	5587.17	5528.77	5467.83	5387.42
45.0	5710.75	5713.28	5708.21	5679.43	5657.42	5610.87	5563.47	5498.30	5428.89
90.0	5718.36	5705.67	5672.66	5624.41	5579.55	5518.61	5422.12	5326.48	5240.15
135.0	5709.90	5710.75	5706.51	5682.81	5648.96	5596.48	5543.16	5457.67	5379.80
180.0	5699.74	5697.20	5677.74	5653.19	5615.10	5568.55	5518.61	5451.75	5354.41
225.0	5710.75	5685.35	5659.96	5618.49	5577.86	5498.30	5417.04	5331.56	5205.44
270.0	5718.36	5714.13	5684.51	5645.57	5599.02	5515.23	5431.43	5325.63	5212.22
315.0	5709.90	5678.58	5643.88	5580.40	5519.46	5450.90	5337.48	5227.45	5096.26
360.0	5699.74	5691.28	5681.12	5663.35	5623.57	5587.17	5528.77	5467.83	5387.42
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	5289.24	5124.19	4953.22	4757.70	4537.64	4213.46	3914.68	3590.51	3181.70
45.0	5353.56	5224.07	5105.57	4921.05	4728.08	4518.17	4264.25	3918.07	3613.37
90.0	5129.27	4976.07	4823.72	4657.82	4420.83	4199.08	3897.76	3624.37	3328.98
135.0	5292.62	5202.06	5067.48	4939.68	4797.48	4584.19	4378.51	4092.43	3834.28
180.0	5265.54	5160.59	4995.54	4835.57	4646.82	4372.59	4127.98	3855.44	3479.64
225.0	5085.26	4938.83	4725.54	4512.24	4280.33	4010.33	3639.60	3331.52	3006.50
270.0	5094.57	4948.14	4734.85	4529.17	4305.72	4050.96	3766.56	3384.84	3077.60
315.0	4941.37	4700.14	4477.54	4227.85	3944.31	3560.89	3246.03	2933.71	2622.23
360.0	5289.24	5124.19	4953.22	4757.70	4537.64	4213.46	3914.68	3590.51	3181.70
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2862.61	2550.29	1673.84	1673.84	1606.72	1288.31	1061.05	858.16	643.01
45.0	3298.51	2977.72	2597.69	2300.60	2016.21	1679.34	1428.81	1199.43	933.66
90.0	3045.43	2687.40	2404.71	1667.83	1667.83	1549.34	1318.44	1105.40	913.27
135.0	3549.04	3261.26	2899.85	2610.38	2327.68	2052.60	1725.05	1477.90	1243.45
180.0	3151.23	2827.91	2525.74	2148.25	1863.01	1589.62	1338.24	1060.62	860.87
225.0	2680.63	2294.68	1663.60	1663.60	1473.24	1183.35	976.49	751.77	599.00
270.0	2765.27	2381.85	2094.08	1746.21	1489.75	1252.76	991.22	809.24	648.43
315.0	2014.52	1678.50	1614.17	1367.78	1141.54	891.43	718.17	568.02	441.57
360.0	2862.61	2550.29	1673.84	1673.84	1606.72	1288.31	1061.05	858.16	643.01
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	500.73	382.66	291.16	208.55	162.85	130.43	108.34	91.07	82.10
45.0	750.00	555.32	430.06	430.06	311.05	193.06	142.62	115.53	97.17
90.0	704.54	560.74	439.62	318.92	246.89	179.94	143.38	117.40	96.74
135.0	1029.31	790.62	626.42	456.29	426.67	426.67	188.07	146.09	116.72
180.0	690.75	508.77	447.83	447.83	210.16	163.10	121.97	101.14	88.19
225.0	470.43	343.81	266.11	208.30	157.52	130.09	110.96	97.76	86.25
270.0	512.16	452.06	452.06	215.07	167.59	127.55	106.31	91.83	82.10
315.0	318.50	244.86	189.85	150.91	118.24	101.48	90.23	82.27	74.82
360.0	500.73	382.66	291.16	208.55	162.85	130.43	108.34	91.07	82.10
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	75.24	68.39	64.16	59.93	57.30	55.27	53.75	52.22	51.46
45.0	82.44	74.31	68.05	62.97	58.32	55.61	53.66	51.72	50.61
90.0	86.50	79.48	73.81	67.80	63.99	60.77	58.23	55.61	53.92
135.0	93.78	82.69	75.08	69.15	64.50	59.76	56.88	54.42	52.56
180.0	79.82	72.03	67.12	63.23	59.84	56.62	54.59	52.98	51.80
225.0	79.48	73.98	69.15	64.66	61.53	58.57	56.71	55.27	53.83
270.0	73.30	67.97	62.72	59.67	56.79	54.25	52.73	51.55	50.61
315.0	70.08	65.09	61.87	58.66	56.62	55.02	53.83	52.90	51.88
360.0	75.24	68.39	64.16	59.93	57.30	55.27	53.75	52.22	51.46

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	50.95	50.36	49.77	49.26	48.58	47.91	46.98	46.04	44.86
45.0	49.85	49.09	48.84	48.58	48.24	47.99	47.57	46.89	46.21
90.0	52.56	51.46	50.61	49.77	49.18	48.50	47.65	46.55	45.62
135.0	50.78	49.77	48.84	48.24	47.74	47.14	46.64	46.04	45.11
180.0	50.70	50.02	49.35	48.75	48.24	47.48	46.81	46.04	44.86
225.0	53.07	52.22	51.38	50.45	49.68	48.84	47.82	46.30	45.28
270.0	49.85	49.18	48.67	48.08	47.40	46.72	46.04	44.94	44.01
315.0	51.21	50.53	49.85	48.75	47.91	46.98	45.62	44.44	42.83
360.0	50.95	50.36	49.77	49.26	48.58	47.91	46.98	46.04	44.86
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	43.76	42.49	41.05	39.70	38.34	36.99	35.21	33.86	32.50
45.0	45.54	44.61	43.59	42.24	41.05	39.36	38.00	36.65	34.79
90.0	44.61	43.50	42.07	40.80	39.61	38.00	36.65	35.38	33.69
135.0	44.44	43.42	42.49	41.22	40.03	38.85	37.58	36.06	34.79
180.0	43.93	42.83	41.56	40.46	39.02	37.66	36.40	34.79	33.52
225.0	44.10	42.32	41.05	39.78	38.00	36.48	34.79	33.43	31.99
270.0	42.83	41.39	40.20	38.60	37.41	36.06	34.87	33.26	31.91
315.0	41.56	40.20	38.51	37.16	35.80	34.45	32.76	31.32	29.96
360.0	43.76	42.49	41.05	39.70	38.34	36.99	35.21	33.86	32.50
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	31.06	29.45	28.10	26.83	25.31	24.04	22.77	21.24	20.06
45.0	33.35	31.91	30.56	28.95	27.68	26.32	25.05	23.53	22.26
90.0	32.42	31.06	29.62	28.27	27.08	25.90	24.46	23.28	22.18
135.0	33.52	31.91	30.72	29.12	27.93	26.66	25.56	24.12	22.94
180.0	32.25	30.64	29.20	27.68	26.49	25.22	23.95	22.94	21.41
225.0	30.64	29.20	27.59	26.32	25.14	23.95	22.43	21.24	19.98
270.0	30.56	29.29	27.93	26.41	25.22	23.70	22.51	21.33	19.81
315.0	28.69	27.08	25.82	24.71	23.28	22.09	20.91	19.47	18.28
360.0	31.06	29.45	28.10	26.83	25.31	24.04	22.77	21.24	20.06
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	18.62	17.52	16.42	15.83	15.15	14.90	14.64	14.30	13.97
45.0	21.08	19.55	18.37	17.18	16.25	15.57	14.81	14.30	13.71
90.0	20.91	19.47	18.45	19.38	25.39	30.47	35.13	38.09	34.11
135.0	21.92	20.74	19.21	18.11	17.01	15.83	15.24	14.73	13.88
180.0	20.14	18.96	17.77	16.34	15.74	14.98	14.39	13.97	13.37
225.0	18.54	17.44	18.79	22.94	26.75	29.62	28.61	23.78	19.21
270.0	18.62	17.52	16.17	15.49	14.90	14.30	13.54	13.12	12.78
315.0	17.10	16.08	16.00	16.17	15.91	15.24	14.90	14.22	13.12
360.0	18.62	17.52	16.42	15.83	15.15	14.90	14.64	14.30	13.97
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	13.29	12.19	11.26	10.50	9.82	8.80	8.21	7.79	7.62
45.0	13.20	12.61	11.76	11.09	10.41	9.82	9.06	8.55	7.96
90.0	25.56	20.14	14.22	12.19	11.34	9.40	8.72	8.13	7.70
135.0	13.37	12.87	12.27	11.34	10.66	9.99	9.23	8.55	8.04
180.0	13.12	12.44	11.26	10.66	9.90	9.06	8.55	7.96	7.70
225.0	14.56	12.27	11.60	10.07	8.97	8.38	7.96	7.53	7.53
270.0	12.19	11.17	10.33	9.82	9.14	8.46	7.96	7.53	7.45
315.0	11.93	11.00	10.16	9.14	8.46	7.96	7.70	7.70	7.62
360.0	13.29	12.19	11.26	10.50	9.82	8.80	8.21	7.79	7.62

Intensity data(cd)

C/ $\gamma(^{\circ})$	90.0
0.0	7.53
45.0	7.79
90.0	7.45
135.0	7.53
180.0	7.45
225.0	7.45
270.0	7.36
315.0	7.62
360.0	7.53