



NATA LIGHTING CO.,LTD.
www.nata.cn
Email:info@nata.com
Tel:+86-750-3770000 Fax:+86-750-3771111
Address:380JinOu Road,GaoXin Zone,Jiang Men City,Guangdong,China

NT

Client:

LumCAT: 2-2756-L

Luminaire: 92.70.412.00

Report No: 2024813-B011

Ballast type: AC

Test No: 2024813-C011

LampCAT: TRIDONIC SLE G7 15MM

Lamp flux(lm): 4107.0

Number of Lamps: 1

Length(mm): 0

Phm Type: C

Voltage(V): 35.060

Current(A): 0.702

Power (W): 24.612

PF: 0.000

Width(mm): 0

Height(mm): 0

Photometric Results

Lumens(lm): 3821.52, Efficiency(%): 93.05% , Luminous Efficacy(lm/W): 155.27

Central intensity(cd): 8163.362, Maximum intensity(cd): 8163.362

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=37.0

[C90/270]Total=37.0

Field angle(10%Imax): [C0/180]Total=66.6

[C90/270]Total=66.6

Maximum s/h(1/2): C0_180=0.60 C90_270=0.60

Maximum s/h(1/4): C0_180=0.63 C90_270=0.63

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 93.05%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 98.146%

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/8/13
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	8163.362	0.000	0	0.00%	0.00%
1.0	8138.051	7.800	7.8	0.19%	0.20%
2.0	8077.846	23.275	31.075	0.57%	0.81%
3.0	7976.675	38.397	69.472	0.93%	1.82%
4.0	7855.168	52.994	122.466	1.29%	3.20%
5.0	7694.963	66.896	189.362	1.63%	4.96%
6.0	7504.326	79.876	269.238	1.94%	7.05%
7.0	7290.718	91.833	361.071	2.24%	9.45%
8.0	7057.140	102.685	463.756	2.50%	12.14%
9.0	6774.916	112.101	575.857	2.73%	15.07%
10.0	6523.342	120.344	696.201	2.93%	18.22%
11.0	6232.997	127.462	823.663	3.10%	21.55%
12.0	5957.356	133.258	956.921	3.24%	25.04%
13.0	5666.353	137.944	1094.865	3.36%	28.65%
14.0	5376.886	141.353	1236.218	3.44%	32.35%
15.0	5108.780	143.952	1380.17	3.51%	36.12%
16.0	4791.442	145.066	1525.236	3.53%	39.91%
17.0	4521.799	145.032	1670.268	3.53%	43.71%
18.0	4218.141	144.103	1814.371	3.51%	47.48%
19.0	3964.007	142.353	1956.723	3.47%	51.20%
20.0	3680.173	139.910	2096.633	3.41%	54.86%
21.0	3431.306	136.555	2233.188	3.32%	58.44%
22.0	3167.150	132.599	2365.787	3.23%	61.91%
23.0	2923.696	127.802	2493.589	3.11%	65.25%
24.0	2699.409	122.941	2616.53	2.99%	68.47%
25.0	2470.001	117.541	2734.071	2.86%	71.54%
26.0	2263.855	111.743	2845.815	2.72%	74.47%
27.0	2055.369	105.671	2951.485	2.57%	77.23%
28.0	1851.345	98.910	3050.395	2.41%	79.82%
29.0	1582.536	89.840	3140.235	2.19%	82.17%
30.0	1363.004	79.529	3219.764	1.94%	84.25%
31.0	1225.710	72.040	3291.804	1.75%	86.14%
32.0	1035.921	64.793	3356.597	1.58%	87.83%
33.0	853.909	55.675	3412.272	1.36%	89.29%
34.0	707.596	47.256	3459.528	1.15%	90.53%
35.0	588.049	40.238	3499.766	0.98%	91.58%
36.0	489.724	34.316	3534.083	0.84%	92.48%
37.0	405.429	29.195	3563.277	0.71%	93.24%

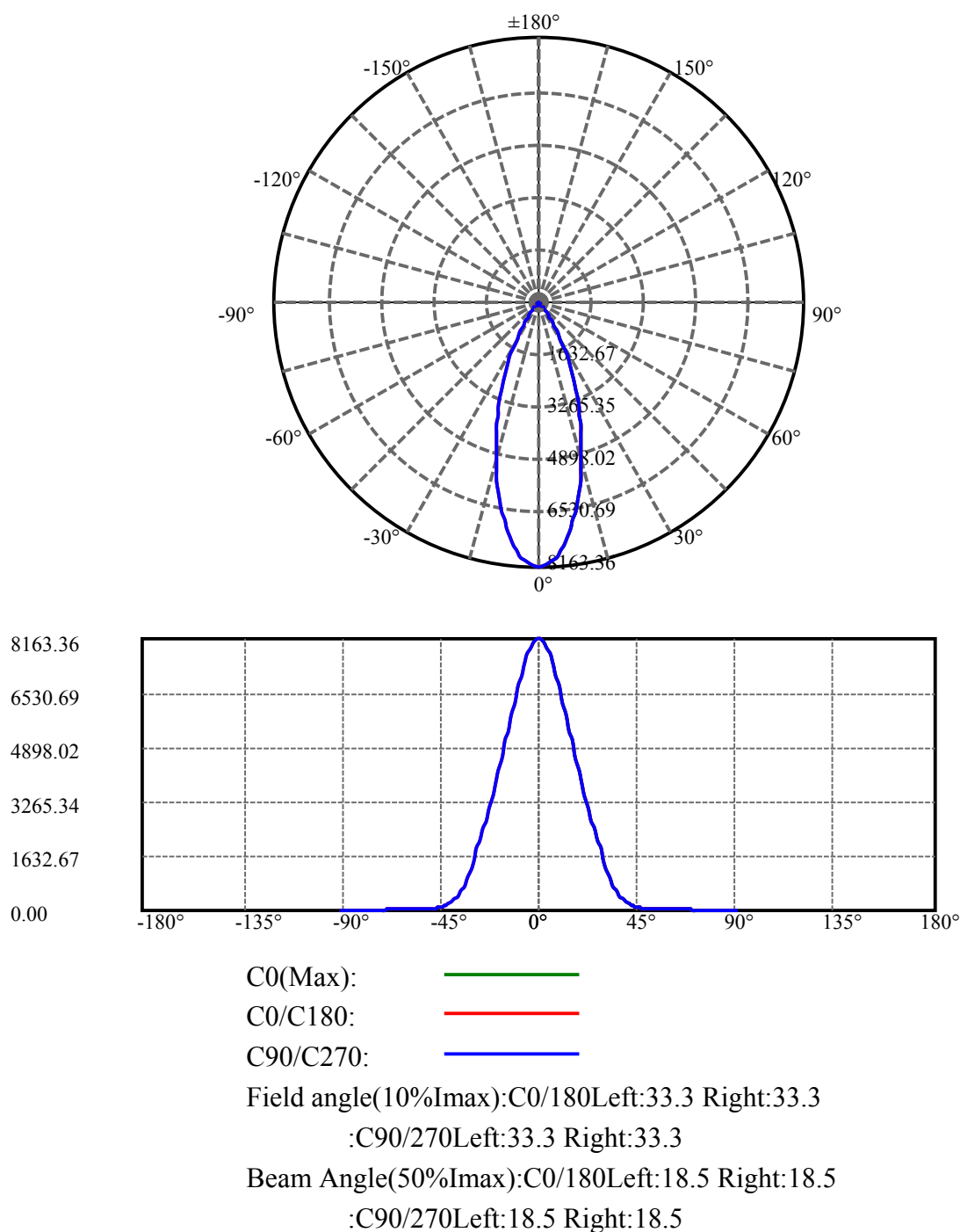
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	339.006	24.848	3588.126	0.61%	93.89%
39.0	280.762	21.154	3609.28	0.52%	94.45%
40.0	250.228	18.519	3627.799	0.45%	94.93%
41.0	209.372	16.366	3644.165	0.40%	95.36%
42.0	158.618	13.370	3657.535	0.33%	95.71%
43.0	133.241	10.811	3668.346	0.26%	95.99%
44.0	111.741	9.246	3677.592	0.23%	96.23%
45.0	95.289	7.956	3685.549	0.19%	96.44%
46.0	82.612	6.957	3692.506	0.17%	96.62%
47.0	72.561	6.172	3698.678	0.15%	96.79%
48.0	65.340	5.575	3704.253	0.14%	96.93%
49.0	59.078	5.109	3709.362	0.12%	97.07%
50.0	54.477	4.735	3714.096	0.12%	97.19%
51.0	50.337	4.435	3718.531	0.11%	97.30%
52.0	47.176	4.184	3722.715	0.10%	97.41%
53.0	44.280	3.978	3726.694	0.10%	97.52%
54.0	41.880	3.798	3730.491	0.09%	97.62%
55.0	39.773	3.645	3734.136	0.09%	97.71%
56.0	38.003	3.514	3737.651	0.09%	97.81%
57.0	36.416	3.403	3741.053	0.08%	97.89%
58.0	34.894	3.298	3744.351	0.08%	97.98%
59.0	33.548	3.200	3747.55	0.08%	98.06%
60.0	32.436	3.117	3750.668	0.08%	98.15%
61.0	31.383	3.046	3753.713	0.07%	98.23%
62.0	30.432	2.979	3756.692	0.07%	98.30%
63.0	29.503	2.915	3759.607	0.07%	98.38%
64.0	28.683	2.855	3762.462	0.07%	98.45%
65.0	27.981	2.804	3765.266	0.07%	98.53%
66.0	27.323	2.759	3768.026	0.07%	98.60%
67.0	26.672	2.715	3770.741	0.07%	98.67%
68.0	25.999	2.668	3773.409	0.06%	98.74%
69.0	25.465	2.625	3776.034	0.06%	98.81%
70.0	24.872	2.585	3778.619	0.06%	98.88%
71.0	24.367	2.545	3781.164	0.06%	98.94%
72.0	23.797	2.504	3783.669	0.06%	99.01%
73.0	23.277	2.462	3786.13	0.06%	99.07%
74.0	22.809	2.423	3788.553	0.06%	99.14%
75.0	22.290	2.383	3790.936	0.06%	99.20%

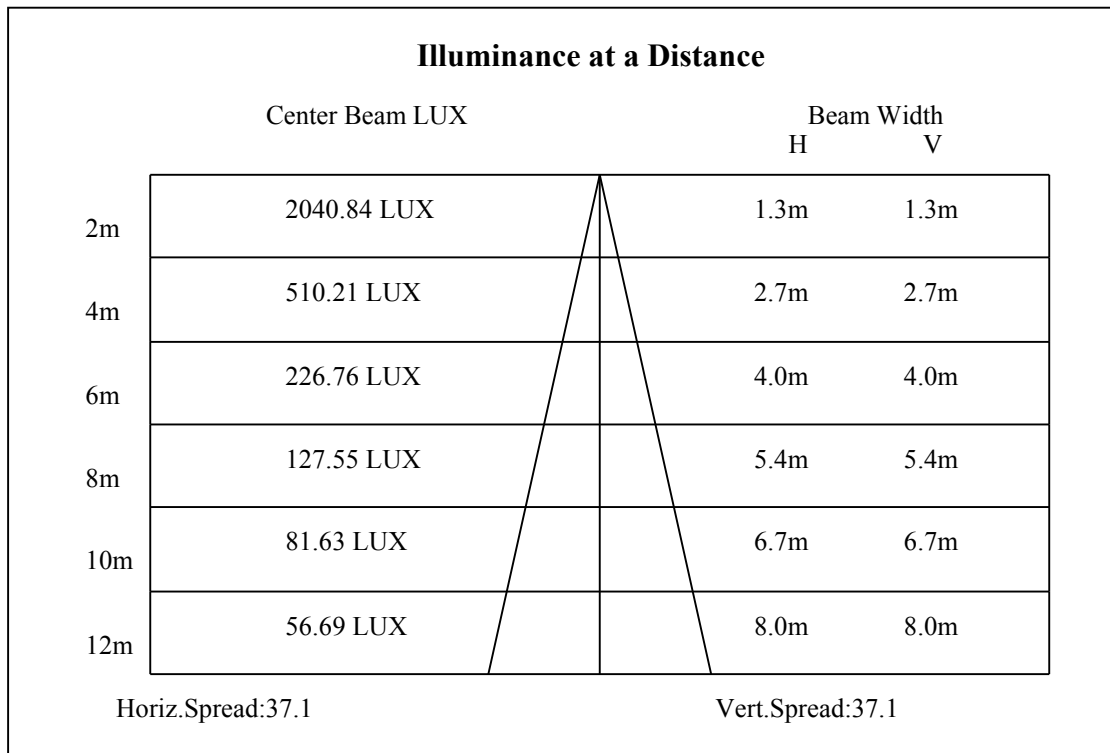
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	21.800	2.340	3793.276	0.06%	99.26%
77.0	21.302	2.298	3795.574	0.06%	99.32%
78.0	20.849	2.256	3797.831	0.05%	99.38%
79.0	20.307	2.211	3800.042	0.05%	99.44%
80.0	19.773	2.161	3802.203	0.05%	99.49%
81.0	19.269	2.111	3804.314	0.05%	99.55%
82.0	18.778	2.063	3806.377	0.05%	99.60%
83.0	18.310	2.016	3808.394	0.05%	99.66%
84.0	17.915	1.973	3810.367	0.05%	99.71%
85.0	17.549	1.936	3812.303	0.05%	99.76%
86.0	17.235	1.901	3814.204	0.05%	99.81%
87.0	16.950	1.871	3816.075	0.05%	99.86%
88.0	16.657	1.841	3817.916	0.04%	99.91%
89.0	16.423	1.813	3819.729	0.04%	99.95%
90.0	16.299	1.794	3821.523	0.04%	100.00%

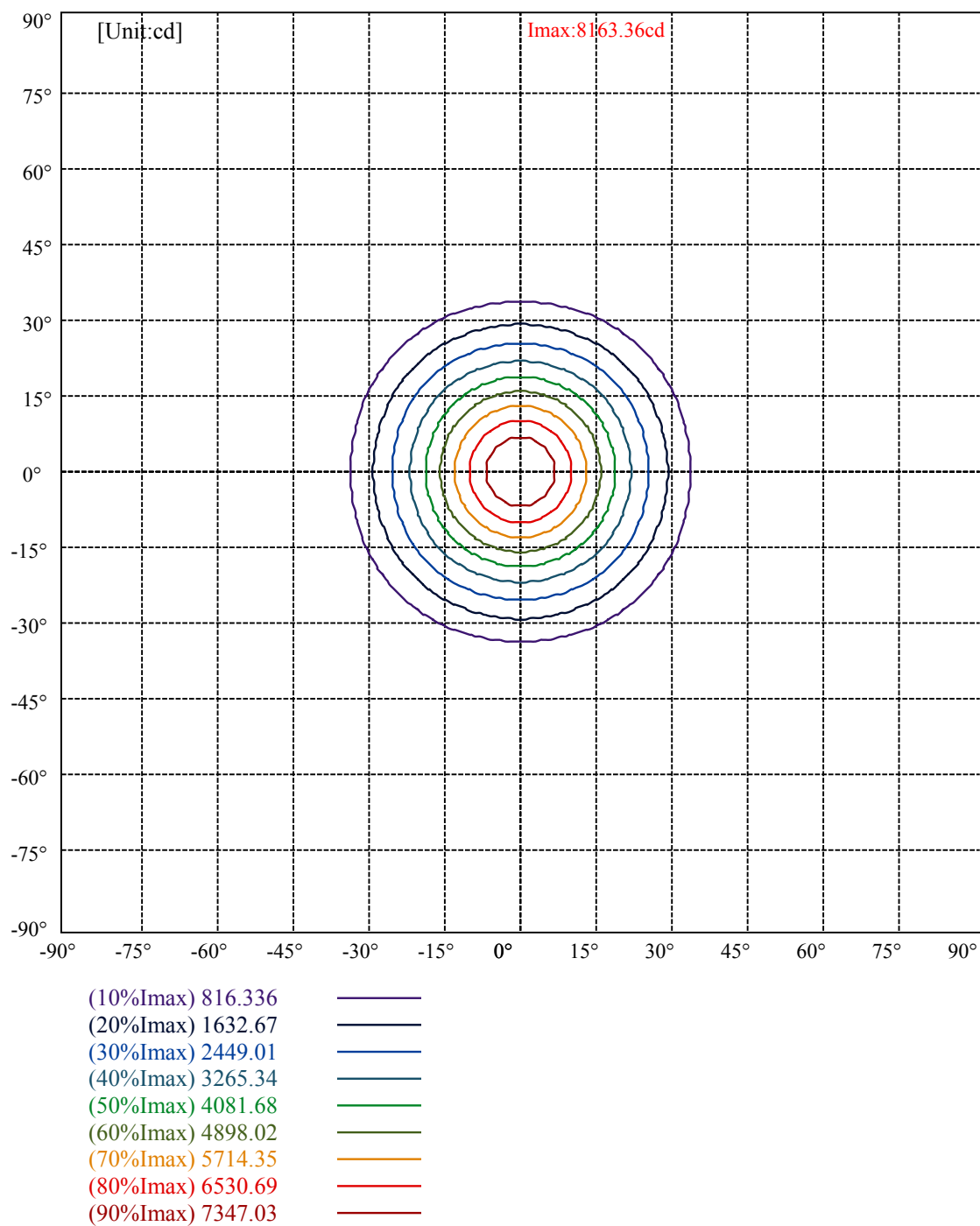
ZONAL LUMEN SUMMARY			
Zone	Lumens	%Lamp	%Fixt
0-30	3219.76	78.40%	84.25%
0-40	3627.80	88.33%	94.93%
0-60	3750.67	91.32%	98.15%
0-90	3819.73	93.01%	99.95%
0-120	3819.73	93.01%	99.95%
0-180	3821.52	93.05%	100.00%
60-90	69.06	1.68%	1.81%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-28.08	3057.22	74.44%	80.00%

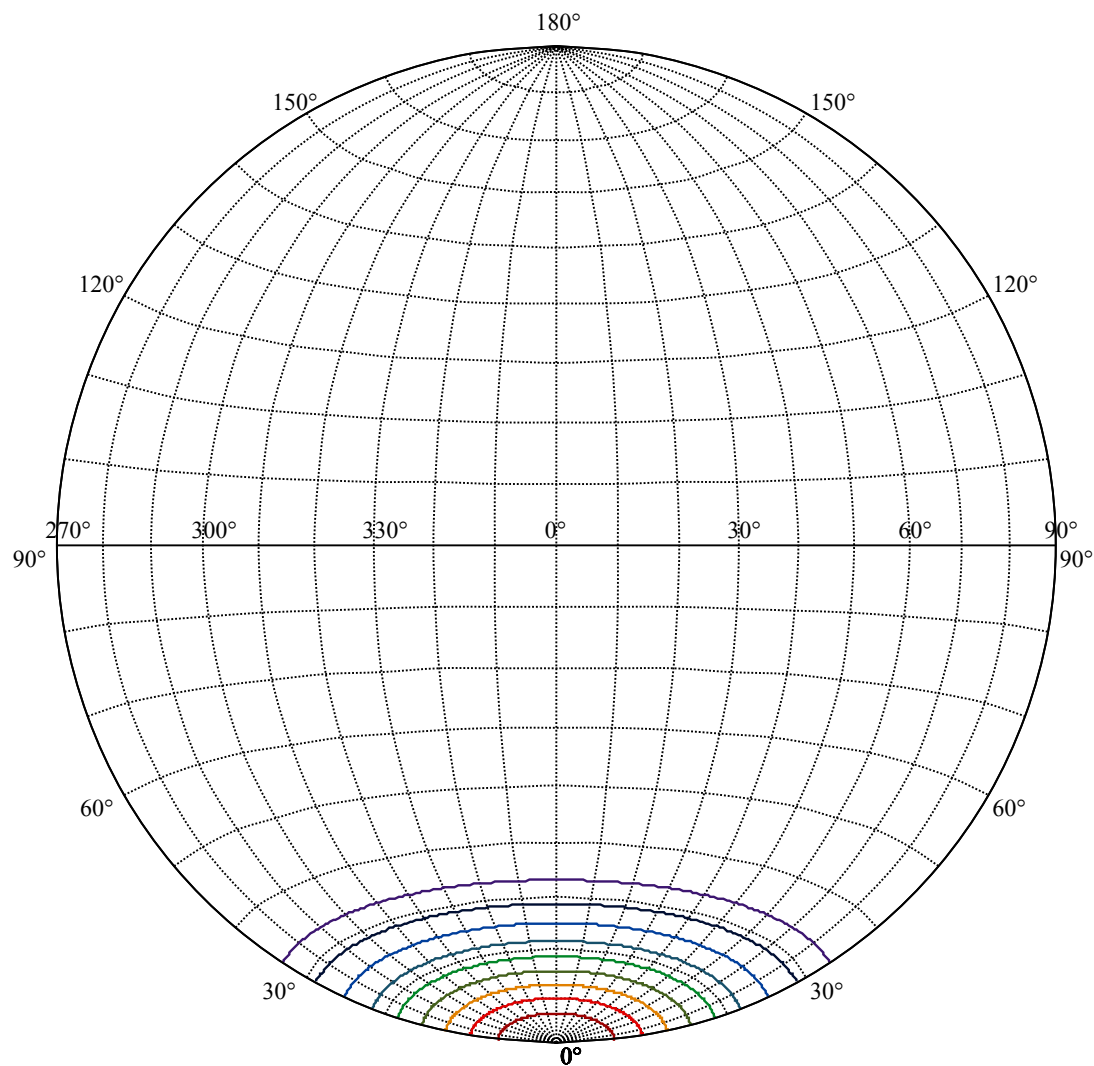
ZONAL LUMEN SUMMARY

0-10	696.20
10-20	1400.43
20-30	1123.13
30-40	408.04
40-50	86.30
50-60	36.57
60-70	27.95
70-80	23.58
80-90	17.53
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







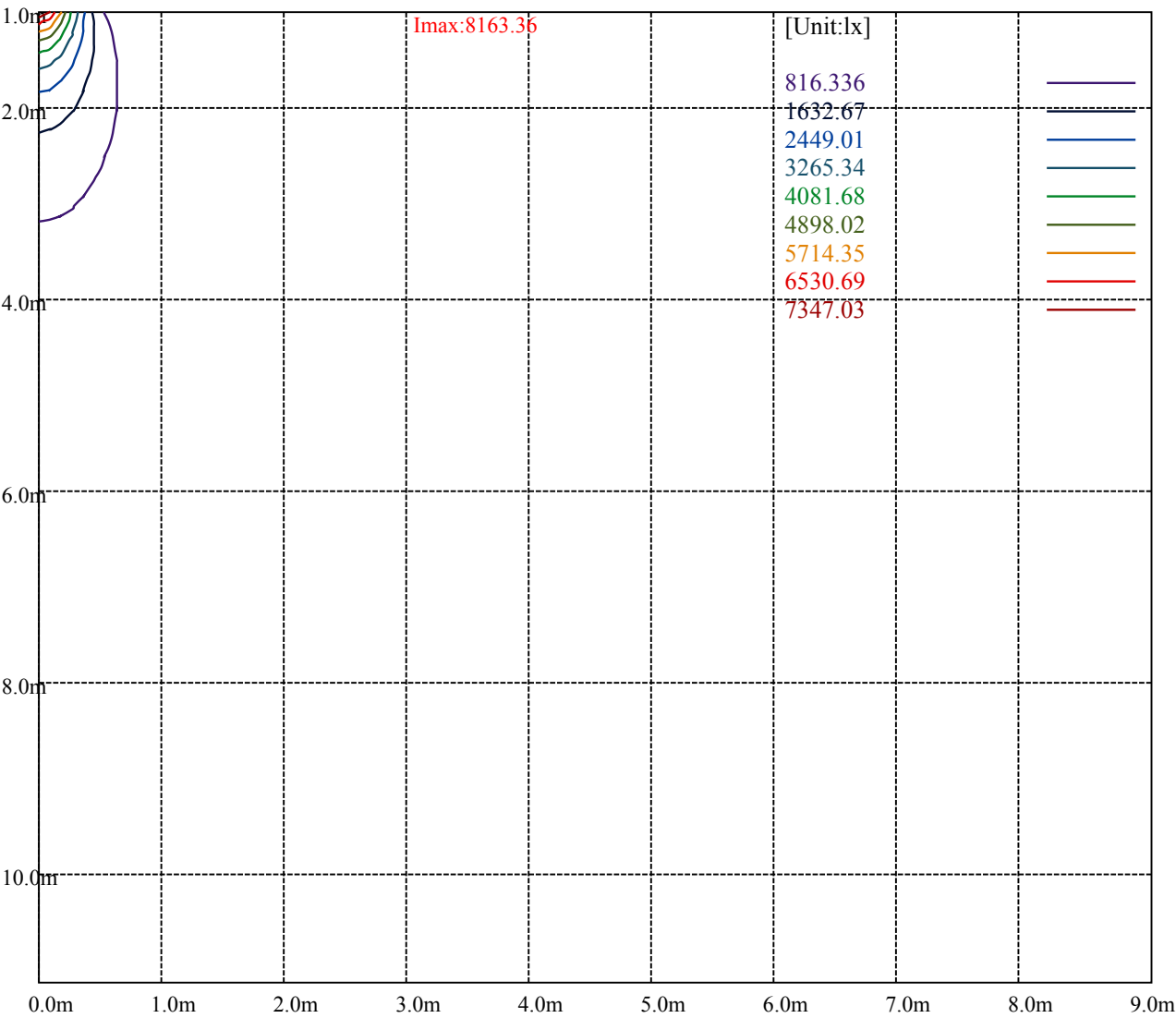


House

[Unit:cd]

Road

I _{max} :8163.36	
(10%I _{max}) 816.336	—
(20%I _{max}) 1632.67	—
(30%I _{max}) 2449.01	—
(40%I _{max}) 3265.34	—
(50%I _{max}) 4081.68	—
(60%I _{max}) 4898.02	—
(70%I _{max}) 5714.35	—
(80%I _{max}) 6530.69	—
(90%I _{max}) 7347.03	—



Luminance Table

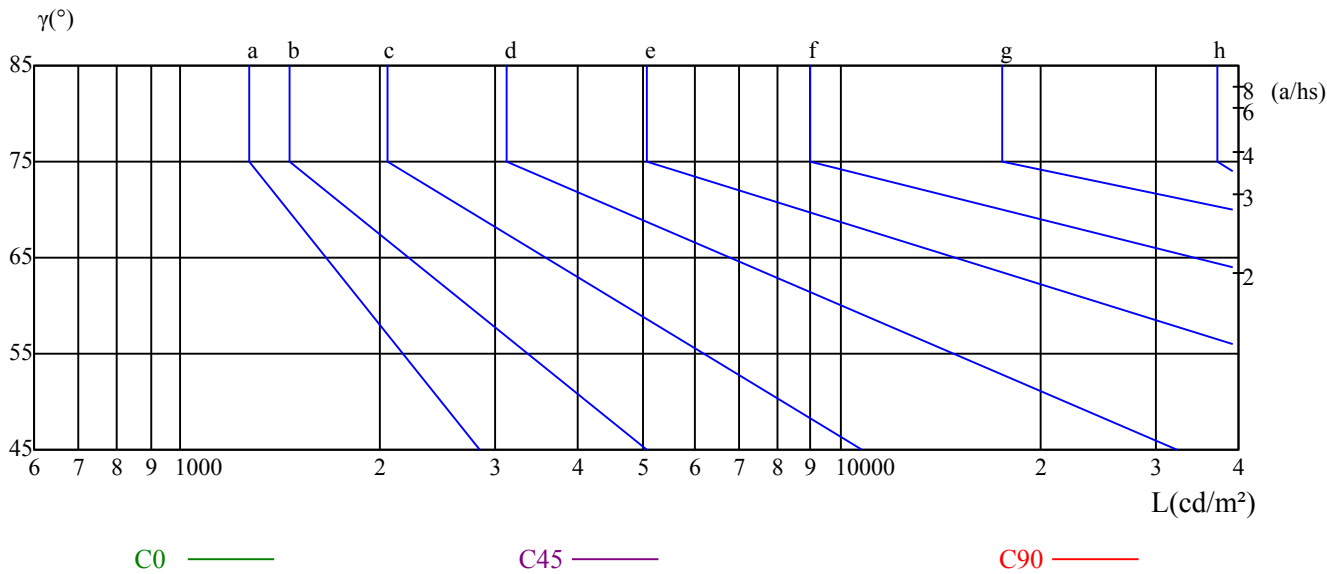
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

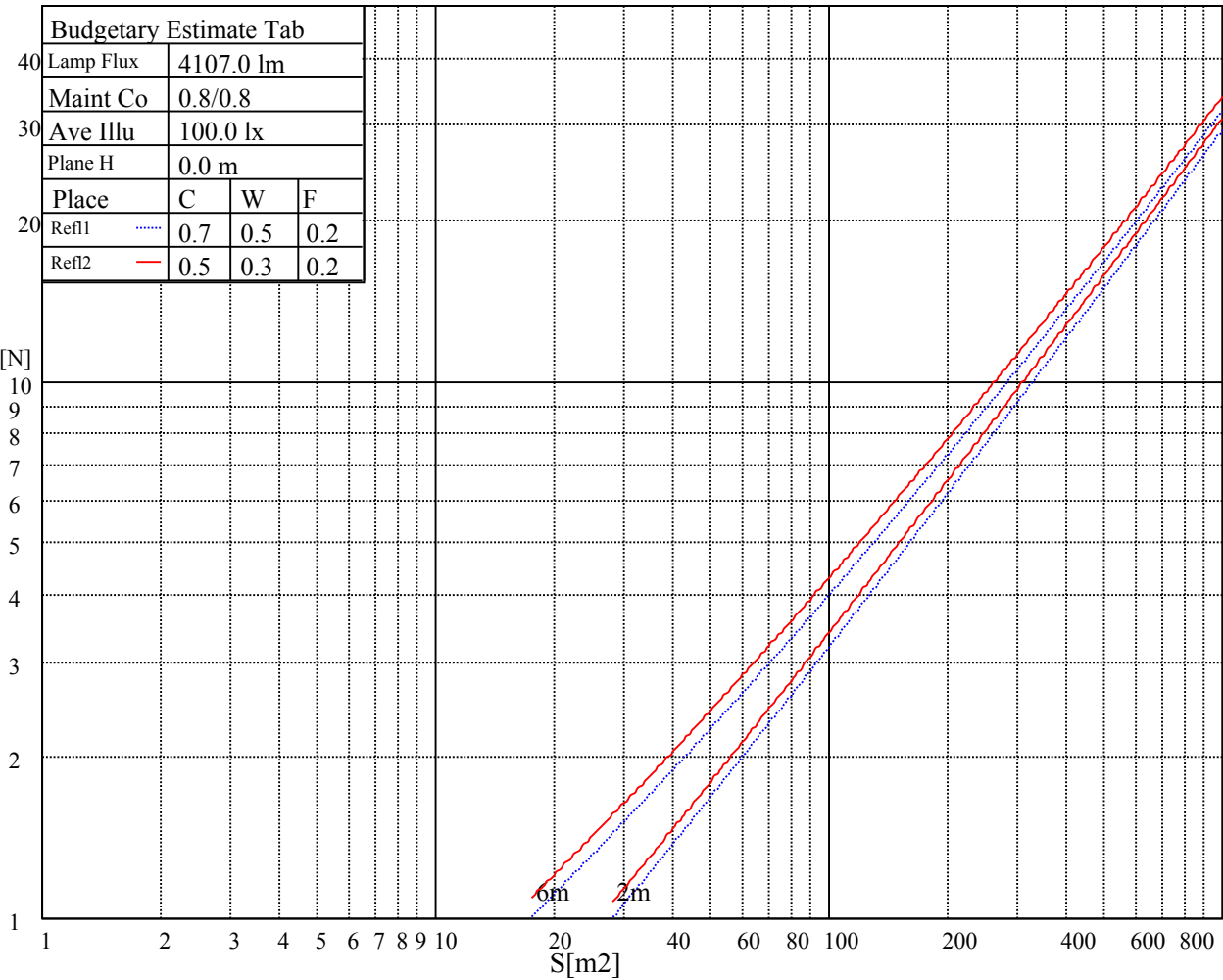
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	≤ 300				
1.5	B		2000	1000	500	≤ 300			
1.85	C			2000	1000	500	≤ 300		
2.2	D				2000	1000	500	≤ 300	
2.55	E					2000	1000	500	≤ 300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

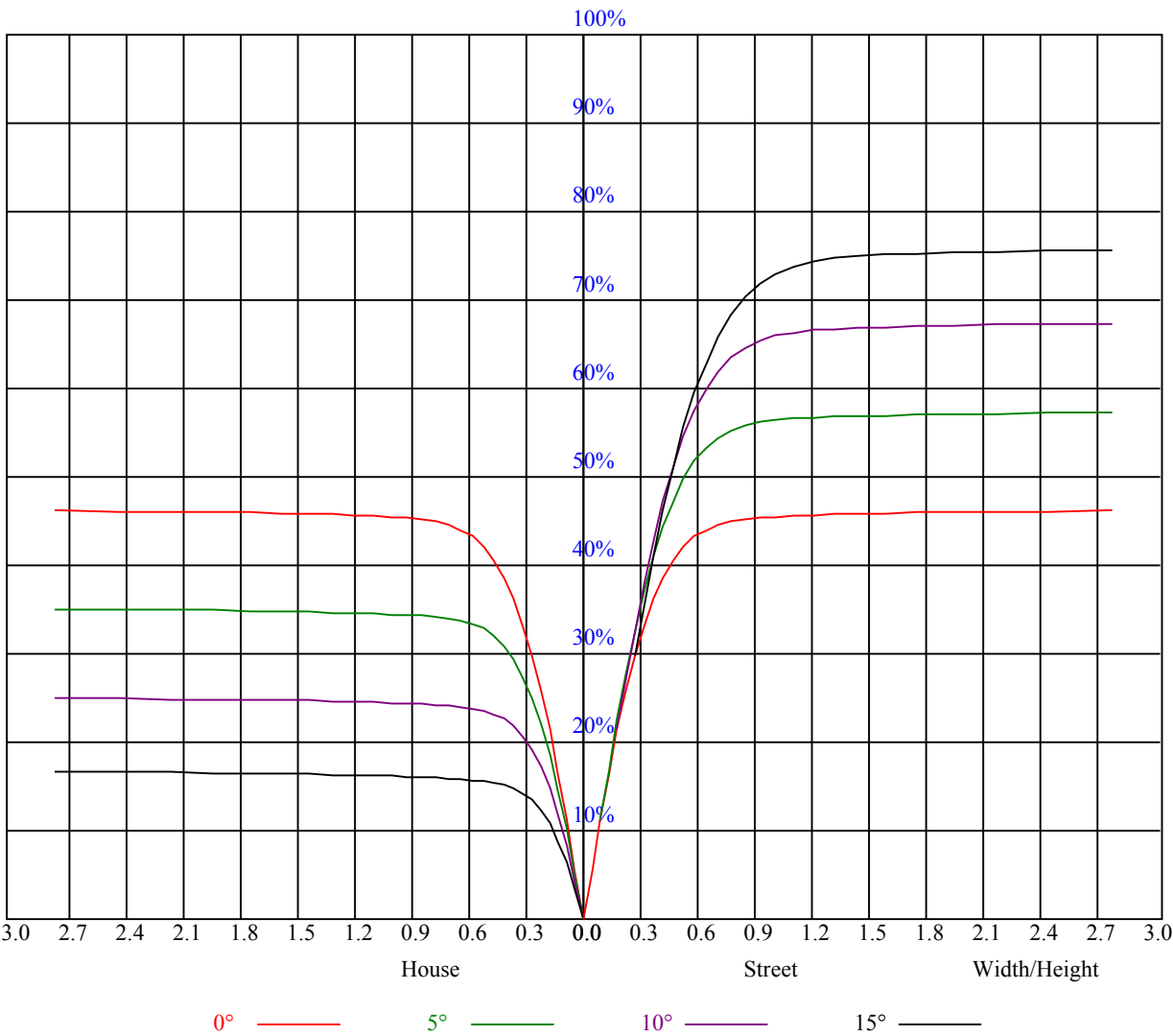


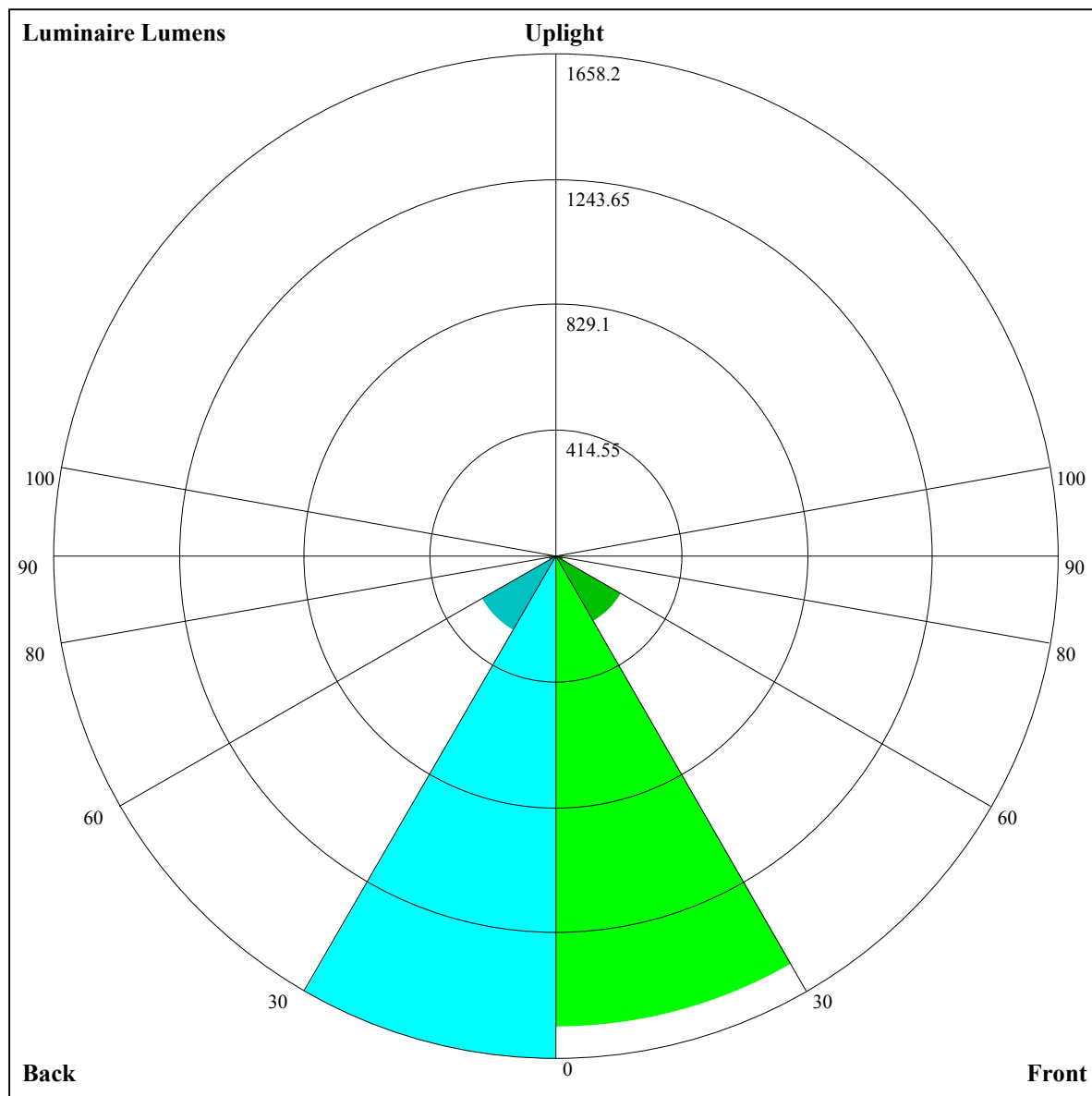
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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 RHOF=20 CU															
0	1.11	1.11	1.11	1.08	1.08	1.08	1.03	1.03	1.03	0.99	0.99	0.99	0.95	0.95	0.95	0.93
1	1.03	1.01	0.99	1.01	0.99	0.98	0.98	0.96	0.95	0.94	0.93	0.92	0.91	0.90	0.89	0.88
2	0.97	0.94	0.91	0.96	0.92	0.90	0.93	0.90	0.88	0.90	0.88	0.86	0.87	0.86	0.84	0.83
3	0.92	0.87	0.84	0.90	0.86	0.83	0.88	0.85	0.82	0.86	0.83	0.81	0.84	0.81	0.79	0.78
4	0.87	0.82	0.78	0.85	0.81	0.78	0.84	0.80	0.77	0.82	0.79	0.76	0.80	0.77	0.75	0.74
5	0.82	0.77	0.74	0.81	0.77	0.73	0.80	0.76	0.73	0.78	0.75	0.72	0.77	0.74	0.71	0.70
6	0.78	0.73	0.70	0.77	0.73	0.69	0.76	0.72	0.69	0.75	0.71	0.68	0.74	0.70	0.68	0.67
7	0.74	0.69	0.66	0.74	0.69	0.66	0.73	0.68	0.65	0.72	0.68	0.65	0.71	0.67	0.65	0.64
8	0.71	0.66	0.63	0.70	0.66	0.63	0.69	0.65	0.62	0.69	0.65	0.62	0.68	0.64	0.62	0.61
9	0.68	0.63	0.60	0.67	0.63	0.60	0.67	0.62	0.59	0.66	0.62	0.59	0.65	0.62	0.59	0.58
10	0.65	0.60	0.57	0.65	0.60	0.57	0.64	0.60	0.57	0.63	0.59	0.57	0.63	0.59	0.57	0.55





Luminaire Lumens:

FL=1558.24,FM=247.44,FH=25.4,FVH=9.6

BL=1658.2,BM=284.97,BH=26.09,BVH=9.73

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	8134.69	8024.66	7923.42	7778.87	7626.13	7384.43	7157.95	6919.17	6669.87
45.0	8187.36	8166.29	8073.24	7962.63	7815.74	7660.65	7476.31	7270.89	6976.53
90.0	8179.16	8126.49	8060.95	7942.73	7764.82	7593.94	7353.41	7133.37	6905.13
135.0	8152.24	8205.50	8198.48	8127.08	8046.32	7965.56	7795.84	7633.73	7433.00
180.0	8134.69	8196.13	8205.50	8135.86	8090.21	8009.45	7850.27	7691.67	7492.11
225.0	8187.36	8165.70	8084.94	8011.20	7899.43	7738.49	7551.80	7332.34	7092.40
270.0	8179.16	8172.73	8112.45	8024.08	7933.95	7790.57	7639.59	7383.26	7165.55
315.0	8152.24	8046.90	7963.80	7830.95	7664.75	7416.61	7209.45	6961.31	6722.54
360.0	8134.69	8024.66	7923.42	7778.87	7626.13	7384.43	7157.95	6919.17	6669.87
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	6346.24	6091.08	5753.41	5494.15	5236.65	4911.85	4644.40	4383.98	4122.38
45.0	6736.58	6481.43	6245.58	5919.02	5659.18	5391.15	5145.94	4819.39	4551.94
90.0	6666.94	6415.88	6078.79	5819.54	5565.55	5255.38	4984.42	4725.17	4468.84
135.0	7141.56	6901.62	6647.63	6332.19	6067.09	5805.49	5533.36	5186.32	4911.85
180.0	7224.66	6966.58	6707.32	6442.80	6095.76	5818.37	5555.01	5198.61	4917.70
225.0	6777.55	6514.78	6270.16	5993.35	5659.77	5384.13	5113.75	4745.65	4468.84
270.0	6933.80	6678.65	6364.97	6105.71	5763.94	5487.71	5221.44	4876.15	4601.10
315.0	6371.99	6136.73	5796.13	5552.09	5282.88	4961.01	4671.91	4396.27	4131.75
360.0	6346.24	6091.08	5753.41	5494.15	5236.65	4911.85	4644.40	4383.98	4122.38
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	3829.19	3600.36	3369.20	3149.15	2867.66	2659.91	2465.61	2278.92	2045.42
45.0	4228.31	3976.08	3739.65	3451.72	3225.23	3004.02	2783.39	2524.72	2323.99
90.0	4161.01	3911.12	3607.39	3365.10	3129.84	2840.16	2621.87	2419.96	2223.91
135.0	4633.87	4360.57	4028.75	3789.39	3469.86	3218.80	2982.95	2694.43	2484.92
180.0	4628.02	4344.18	3994.80	3740.23	3507.90	3187.78	2947.84	2687.41	2475.56
225.0	4127.07	3877.17	3623.77	3361.59	3068.39	2848.35	2637.08	2439.86	2205.77
270.0	4327.21	4060.35	3736.13	3488.00	3247.47	3022.16	2744.76	2539.94	2355.00
315.0	3810.46	3582.22	3341.69	3105.26	2820.84	2608.41	2411.77	2174.75	1996.26
360.0	3829.19	3600.36	3369.20	3149.15	2867.66	2659.91	2465.61	2278.92	2045.42
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1856.39	1622.89	1142.83	1142.83	1005.30	836.81	698.06	558.83	466.78
45.0	2125.60	1922.52	1683.17	1493.55	1304.53	1072.19	902.48	726.91	612.20
90.0	1971.68	1774.46	1584.85	1141.89	1141.89	961.99	806.15	674.65	541.27
135.0	2284.19	2040.74	1853.47	1666.78	1477.75	1285.21	1049.37	879.65	735.10
180.0	2296.48	2113.89	1882.73	1684.34	1484.77	1291.06	1049.37	876.73	732.17
225.0	2014.40	1823.03	1630.50	1139.43	1139.43	998.57	794.62	666.34	561.93
270.0	2126.77	1935.98	1739.93	1492.38	1296.33	1049.95	872.04	723.98	606.35
315.0	1767.44	1577.24	1142.83	1142.83	955.67	791.58	659.20	553.68	448.57
360.0	1856.39	1622.89	1142.83	1142.83	1005.30	836.81	698.06	558.83	466.78
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	389.23	326.50	262.30	218.82	183.35	154.32	124.83	106.28	88.49
45.0	514.47	411.47	345.93	302.62	302.62	201.02	162.34	137.12	116.58
90.0	455.31	383.09	308.12	258.55	208.05	175.51	147.59	124.54	102.18
135.0	592.89	499.26	420.84	340.07	300.28	300.28	194.76	164.57	138.87
180.0	619.23	503.94	426.69	346.51	306.13	306.13	192.60	161.64	135.54
225.0	457.59	386.19	327.84	265.05	222.27	186.69	157.31	127.40	108.62
270.0	510.37	412.06	348.27	295.01	295.01	195.87	164.33	138.23	112.07
315.0	378.70	320.94	272.07	219.46	184.11	155.14	125.18	106.16	91.59
360.0	389.23	326.50	262.30	218.82	183.35	154.32	124.83	106.28	88.49

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	77.89	69.47	61.51	56.65	52.55	49.10	45.65	43.37	41.20
45.0	99.84	84.51	74.67	67.13	59.81	55.42	50.27	47.17	44.71
90.0	88.60	77.89	69.58	61.80	56.94	52.73	48.28	45.53	43.07
135.0	113.24	97.85	85.38	75.55	66.31	60.51	55.95	51.91	47.87
180.0	115.00	95.22	83.63	74.32	67.07	60.16	55.83	52.03	48.05
225.0	93.99	82.81	71.92	65.37	58.99	54.72	50.97	47.17	44.54
270.0	95.92	83.51	71.98	64.96	58.23	54.02	50.10	47.05	43.83
315.0	77.83	69.64	61.80	56.94	52.73	49.16	45.65	43.19	40.97
360.0	77.89	69.47	61.51	56.65	52.55	49.10	45.65	43.37	41.20
C/ γ (°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	39.39	37.40	36.05	34.76	33.24	32.19	31.25	30.20	29.38
45.0	41.90	39.91	38.22	36.75	35.11	33.83	32.66	31.66	30.55
90.0	40.38	38.51	36.99	35.23	33.94	32.83	31.60	30.72	29.90
135.0	45.24	42.96	40.32	38.51	36.99	35.23	34.00	32.83	31.60
180.0	45.35	43.01	40.91	38.74	36.87	35.52	34.24	33.12	32.13
225.0	42.19	39.74	38.04	36.52	35.11	33.47	32.42	31.49	30.49
270.0	41.49	39.56	37.86	36.40	34.70	33.47	32.36	31.19	30.31
315.0	39.09	37.10	35.64	34.41	33.18	31.84	30.96	29.85	29.09
360.0	39.39	37.40	36.05	34.76	33.24	32.19	31.25	30.20	29.38
C/ γ (°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	28.62	27.80	27.21	26.57	25.98	25.28	24.87	24.23	23.76
45.0	29.67	28.85	28.03	27.39	26.80	26.04	25.46	24.87	24.35
90.0	29.09	28.21	27.62	27.04	26.39	25.69	25.16	24.58	23.99
135.0	30.72	29.85	29.09	28.27	27.68	27.04	26.39	25.69	25.22
180.0	30.96	30.08	29.32	28.62	27.74	27.10	26.45	25.81	25.34
225.0	29.38	28.68	27.80	27.21	26.45	25.81	25.28	24.81	24.23
270.0	29.26	28.50	27.86	27.15	26.57	25.93	25.46	24.87	24.40
315.0	28.32	27.51	26.92	26.34	25.75	25.11	24.64	24.11	23.64
360.0	28.62	27.80	27.21	26.57	25.98	25.28	24.87	24.23	23.76
C/ γ (°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	23.17	22.77	22.30	21.71	21.30	20.78	20.31	19.72	19.20
45.0	23.82	23.29	22.88	22.30	21.77	21.36	20.95	20.42	19.84
90.0	23.53	22.94	22.53	22.06	21.59	21.13	20.66	20.13	19.61
135.0	24.70	23.99	23.47	23.00	22.53	21.95	21.59	21.07	20.60
180.0	24.64	24.05	23.58	23.06	22.47	21.95	21.54	21.01	20.42
225.0	23.58	23.17	22.71	22.18	21.65	21.13	20.72	20.01	19.49
270.0	23.88	23.41	22.88	22.47	21.95	21.42	20.95	20.48	19.84
315.0	23.06	22.59	22.12	21.54	21.13	20.72	20.07	19.61	19.20
360.0	23.17	22.77	22.30	21.71	21.30	20.78	20.31	19.72	19.20
C/ γ (°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	18.79	18.32	17.97	17.62	17.38	17.09	16.80	16.50	16.39
45.0	19.37	18.84	18.32	17.97	17.50	17.26	16.97	16.68	16.44
90.0	19.08	18.61	18.14	17.73	17.44	17.15	16.85	16.62	16.21
135.0	19.96	19.37	18.84	18.38	17.91	17.62	17.32	16.97	16.74
180.0	19.90	19.31	18.79	18.38	17.91	17.56	17.26	16.97	16.68
225.0	19.08	18.61	18.14	17.79	17.38	17.09	16.85	16.56	16.21
270.0	19.31	18.84	18.38	17.97	17.62	17.21	16.91	16.68	16.39
315.0	18.67	18.32	17.91	17.50	17.26	16.91	16.62	16.27	16.33
360.0	18.79	18.32	17.97	17.62	17.38	17.09	16.80	16.50	16.39

Intensity data(cd)

Appendix Page: 20 Total:20

C/γ(°)	90.0
0.0	16.39
45.0	16.27
90.0	16.21
135.0	16.44
180.0	16.33
225.0	16.21
270.0	16.27
315.0	16.27
360.0	16.39