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NT

Client:

LumCAT: 2-2681-L

Luminaire: 92.70.411.00

Report No: 2024330-B009

Ballast type: AC

Test No: 2024330-C009

Voltage(V): 34.060

LampCAT: LUMILEDS LUXEON 1208

Current(A): 0.576

Lamp flux(lm): 2850.0

Power (W): 19.618

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 2346.17, Efficiency(%): 82.32% , Luminous Efficacy(lm/W): 119.59

Central intensity(cd): 4271.031, Maximum intensity(cd): 4271.031

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=43.8

[C90/270]Total=43.8

Field angle(10%Imax): [C0/180]Total=67.8

[C90/270]Total=67.8

Maximum s/h(1/2): C0_180=0.70 C90_270=0.70

Maximum s/h(1/4): C0_180=0.68 C90_270=0.68

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 82.32%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 97.794%

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/3/30
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	4271.031	0.000	0	0.00%	0.00%
1.0	4265.837	4.085	4.085	0.14%	0.17%
2.0	4252.303	12.226	16.311	0.43%	0.70%
3.0	4226.700	20.279	36.59	0.71%	1.56%
4.0	4191.221	28.177	64.767	0.99%	2.76%
5.0	4141.184	35.846	100.613	1.26%	4.29%
6.0	4081.198	43.211	143.824	1.52%	6.13%
7.0	4012.654	50.238	194.062	1.76%	8.27%
8.0	3936.428	56.890	250.952	2.00%	10.70%
9.0	3847.693	63.086	314.038	2.21%	13.39%
10.0	3754.570	68.798	382.836	2.41%	16.32%
11.0	3657.788	74.065	456.901	2.60%	19.47%
12.0	3542.791	78.713	535.613	2.76%	22.83%
13.0	3428.380	82.730	618.343	2.90%	26.36%
14.0	3303.800	86.171	704.515	3.02%	30.03%
15.0	3176.148	88.960	793.474	3.12%	33.82%
16.0	3038.912	91.068	884.542	3.20%	37.70%
17.0	2907.603	92.603	977.146	3.25%	41.65%
18.0	2753.835	93.345	1070.49	3.28%	45.63%
19.0	2602.627	93.191	1163.682	3.27%	49.60%
20.0	2443.153	92.352	1256.034	3.24%	53.54%
21.0	2283.533	90.762	1346.796	3.18%	57.40%
22.0	2124.133	88.574	1435.37	3.11%	61.18%
23.0	1973.876	85.987	1521.357	3.02%	64.84%
24.0	1815.061	82.840	1604.197	2.91%	68.38%
25.0	1655.587	78.915	1683.112	2.77%	71.74%
26.0	1411.095	72.389	1755.501	2.54%	74.82%
27.0	1287.429	66.020	1821.521	2.32%	77.64%
28.0	1195.834	62.871	1884.392	2.21%	80.32%
29.0	1042.703	58.566	1942.958	2.05%	82.81%
30.0	894.407	52.302	1995.26	1.84%	85.04%
31.0	754.779	45.894	2041.154	1.61%	87.00%
32.0	626.183	39.563	2080.717	1.39%	88.69%
33.0	518.422	33.720	2114.438	1.18%	90.12%
34.0	420.287	28.408	2142.846	1.00%	91.33%
35.0	335.948	23.486	2166.332	0.82%	92.33%
36.0	268.267	19.238	2185.57	0.68%	93.15%
37.0	240.710	16.600	2202.17	0.58%	93.86%

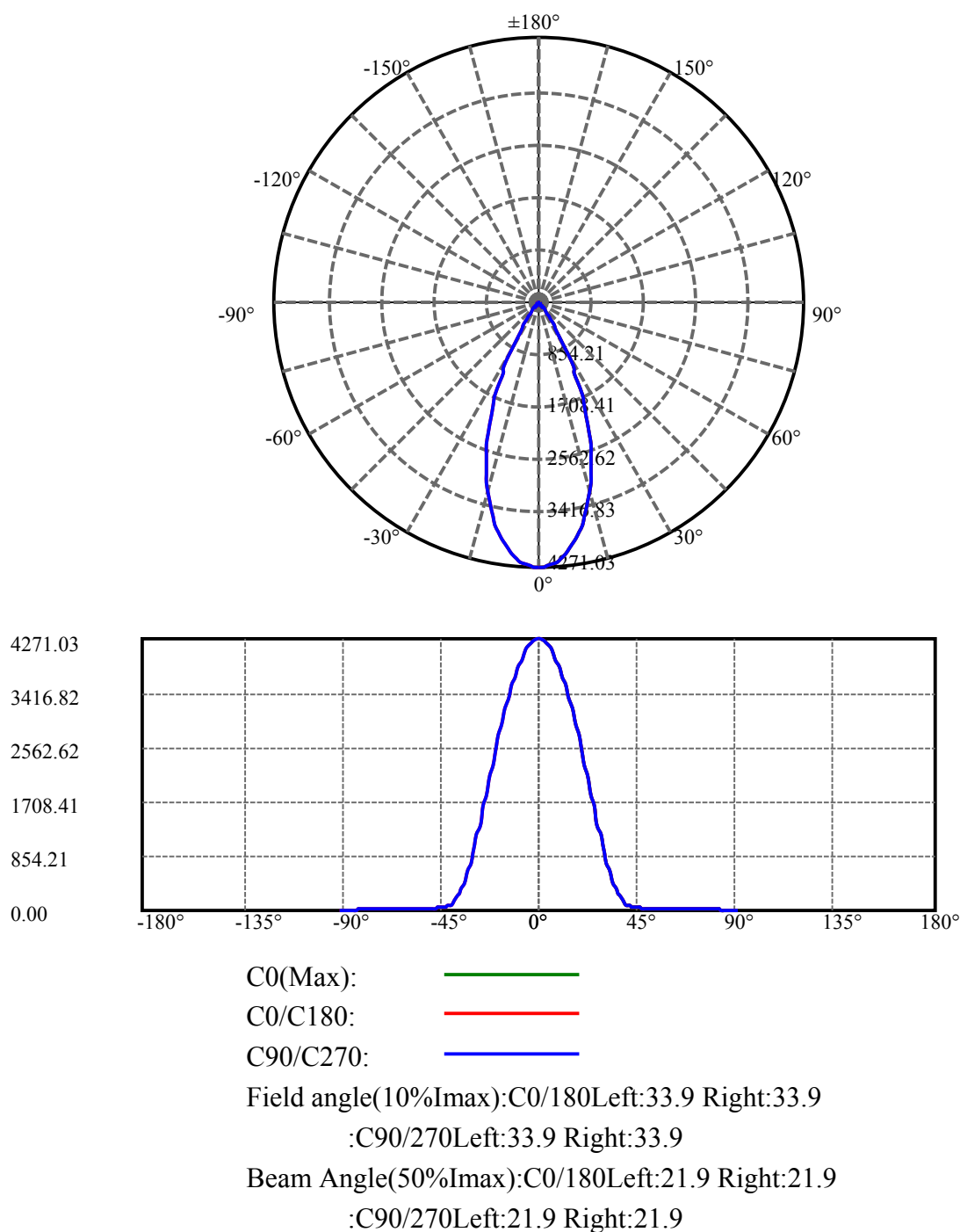
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	157.835	13.303	2215.473	0.47%	94.43%
39.0	114.507	9.296	2224.769	0.33%	94.83%
40.0	89.291	7.108	2231.877	0.25%	95.13%
41.0	72.568	5.764	2237.64	0.20%	95.37%
42.0	60.702	4.842	2242.482	0.17%	95.58%
43.0	52.304	4.186	2246.668	0.15%	95.76%
44.0	47.030	3.749	2250.417	0.13%	95.92%
45.0	42.963	3.459	2253.876	0.12%	96.07%
46.0	40.051	3.247	2257.122	0.11%	96.20%
47.0	37.798	3.096	2260.219	0.11%	96.34%
48.0	35.896	2.979	2263.198	0.10%	96.46%
49.0	34.345	2.885	2266.082	0.10%	96.59%
50.0	33.116	2.813	2268.895	0.10%	96.71%
51.0	31.909	2.751	2271.646	0.10%	96.82%
52.0	30.966	2.698	2274.344	0.09%	96.94%
53.0	30.022	2.653	2276.997	0.09%	97.05%
54.0	29.166	2.609	2279.606	0.09%	97.16%
55.0	28.347	2.567	2282.173	0.09%	97.27%
56.0	27.571	2.527	2284.7	0.09%	97.38%
57.0	26.825	2.487	2287.187	0.09%	97.49%
58.0	26.079	2.446	2289.634	0.09%	97.59%
59.0	25.377	2.406	2292.039	0.08%	97.69%
60.0	24.689	2.365	2294.405	0.08%	97.79%
61.0	24.045	2.326	2296.73	0.08%	97.89%
62.0	23.336	2.283	2299.013	0.08%	97.99%
63.0	22.714	2.240	2301.253	0.08%	98.09%
64.0	22.056	2.197	2303.45	0.08%	98.18%
65.0	21.419	2.152	2305.601	0.08%	98.27%
66.0	20.775	2.105	2307.707	0.07%	98.36%
67.0	20.212	2.061	2309.768	0.07%	98.45%
68.0	19.759	2.025	2311.792	0.07%	98.53%
69.0	19.305	1.993	2313.785	0.07%	98.62%
70.0	18.983	1.966	2315.752	0.07%	98.70%
71.0	18.756	1.951	2317.702	0.07%	98.79%
72.0	18.244	1.924	2319.626	0.07%	98.87%
73.0	17.623	1.876	2321.502	0.07%	98.95%
74.0	17.235	1.833	2323.334	0.06%	99.03%
75.0	16.715	1.794	2325.128	0.06%	99.10%

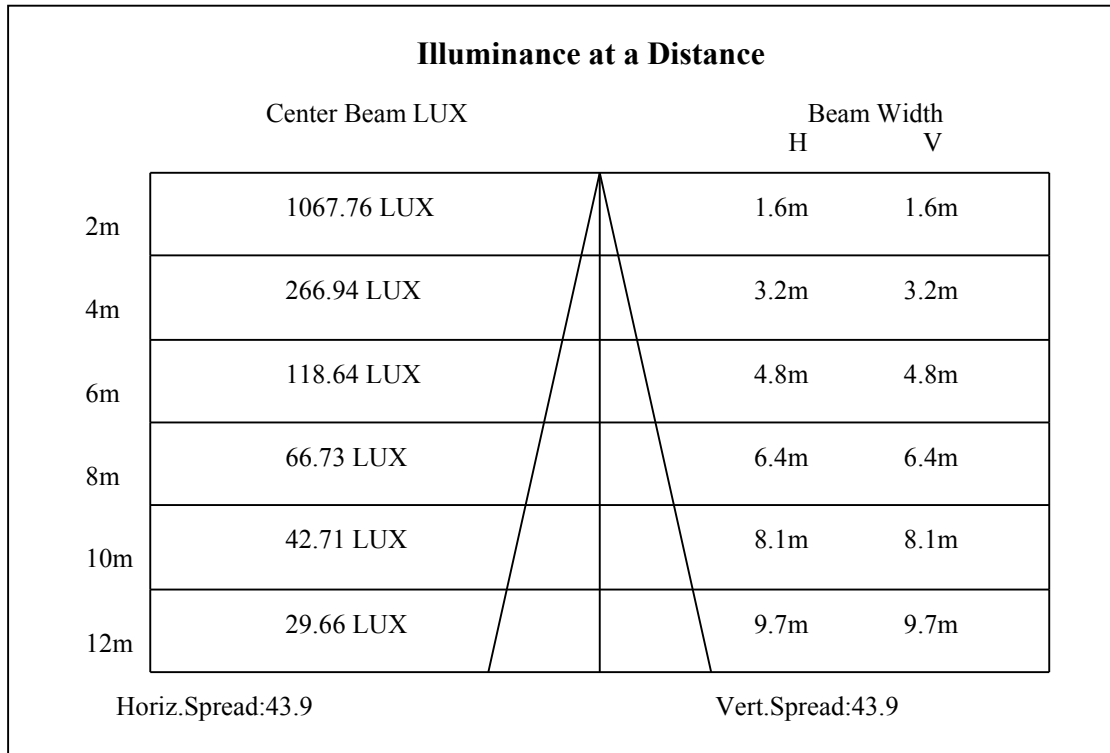
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	16.299	1.753	2326.881	0.06%	99.18%
77.0	15.947	1.719	2328.6	0.06%	99.25%
78.0	15.508	1.684	2330.284	0.06%	99.32%
79.0	15.018	1.640	2331.924	0.06%	99.39%
80.0	14.565	1.595	2333.519	0.06%	99.46%
81.0	14.053	1.548	2335.066	0.05%	99.53%
82.0	13.460	1.492	2336.558	0.05%	99.59%
83.0	12.780	1.426	2337.985	0.05%	99.65%
84.0	11.968	1.348	2339.333	0.05%	99.71%
85.0	11.105	1.259	2340.592	0.04%	99.76%
86.0	10.454	1.178	2341.771	0.04%	99.81%
87.0	10.176	1.129	2342.9	0.04%	99.86%
88.0	9.993	1.105	2344.004	0.04%	99.91%
89.0	9.854	1.088	2345.092	0.04%	99.95%
90.0	9.817	1.079	2346.171	0.04%	100.00%

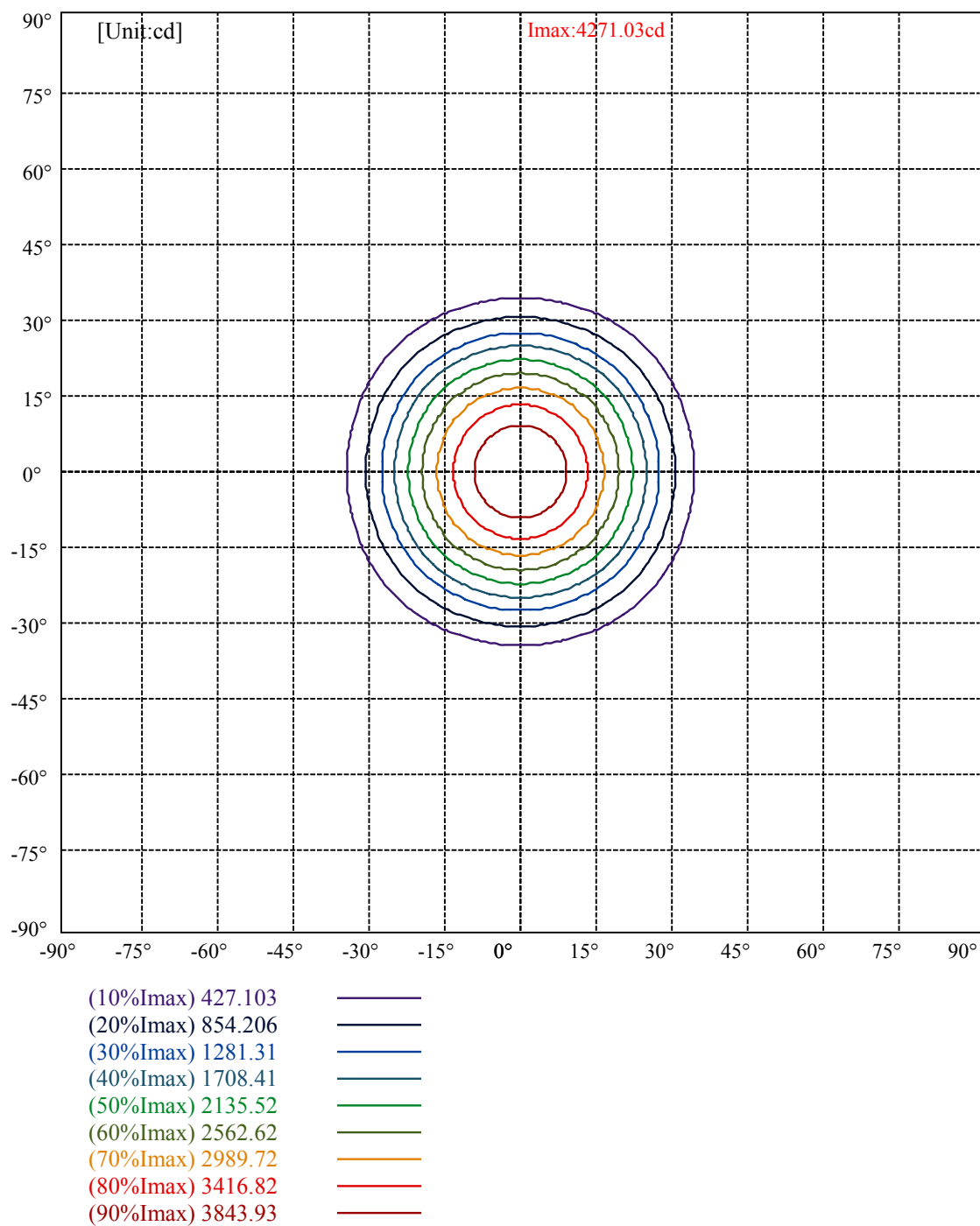
ZONAL LUMEN SUMMARY			
Zone	Lumens	%Lamp	%Fixt
0-30	1995.26	70.01%	85.04%
0-40	2231.88	78.31%	95.13%
0-60	2294.40	80.51%	97.79%
0-90	2345.09	82.28%	99.95%
0-120	2345.09	82.28%	99.95%
0-180	2346.17	82.32%	100.00%
60-90	50.69	1.78%	2.16%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-27.88	1876.94	65.86%	80.00%

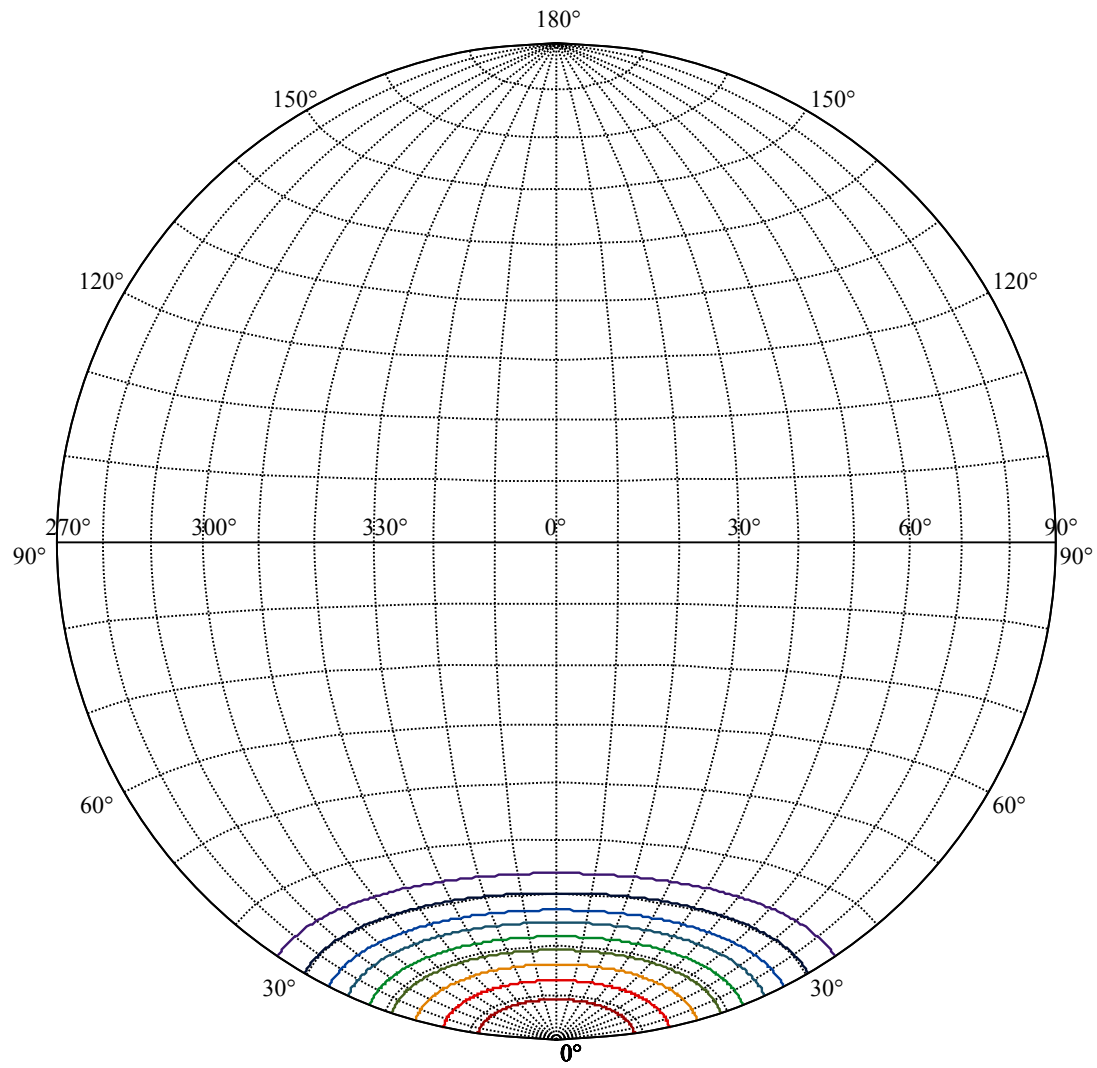
ZONAL LUMEN SUMMARY

0-10	382.84
10-20	873.20
20-30	739.23
30-40	236.62
40-50	37.02
50-60	25.51
60-70	21.35
70-80	17.77
80-90	11.57
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







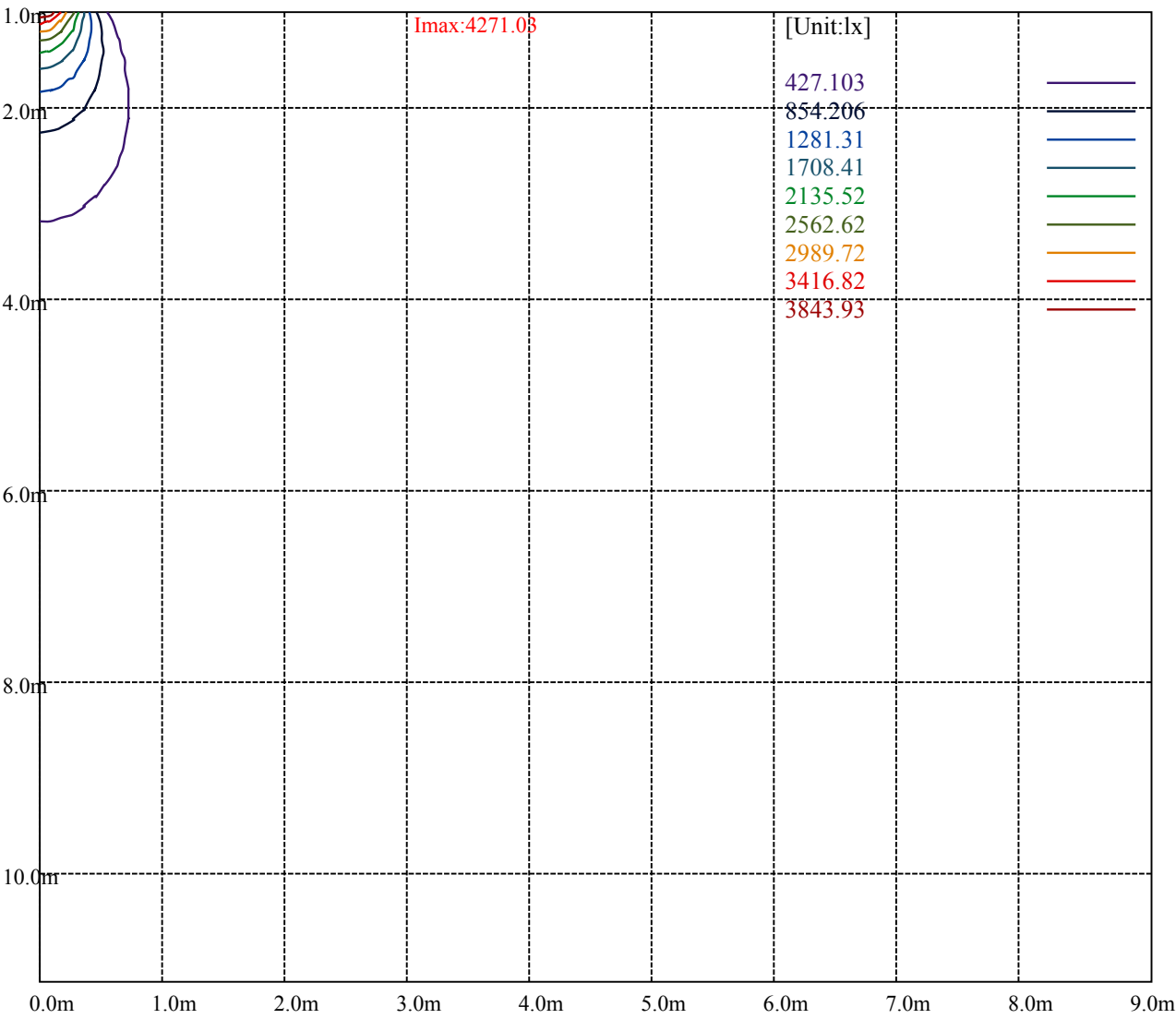


House

[Unit:cd]

Road

Imax:4271.03	
(10%Imax) 427.103	—
(20%Imax) 854.206	—
(30%Imax) 1281.31	—
(40%Imax) 1708.41	—
(50%Imax) 2135.52	—
(60%Imax) 2562.62	—
(70%Imax) 2989.72	—
(80%Imax) 3416.82	—
(90%Imax) 3843.93	—



Luminance Table

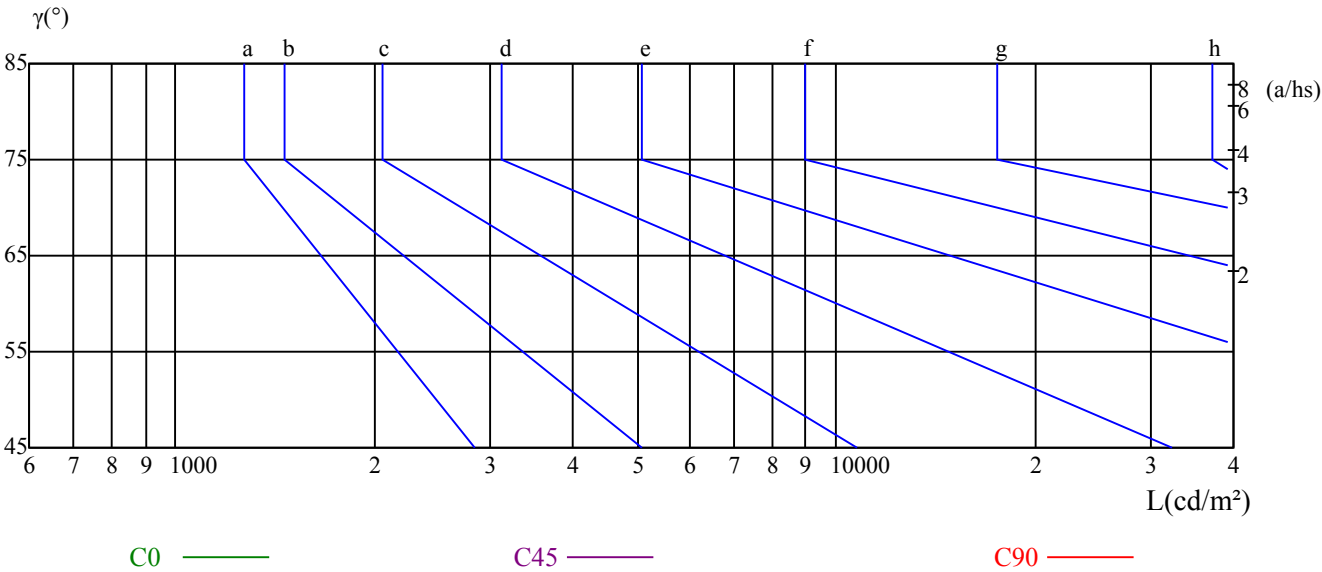
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

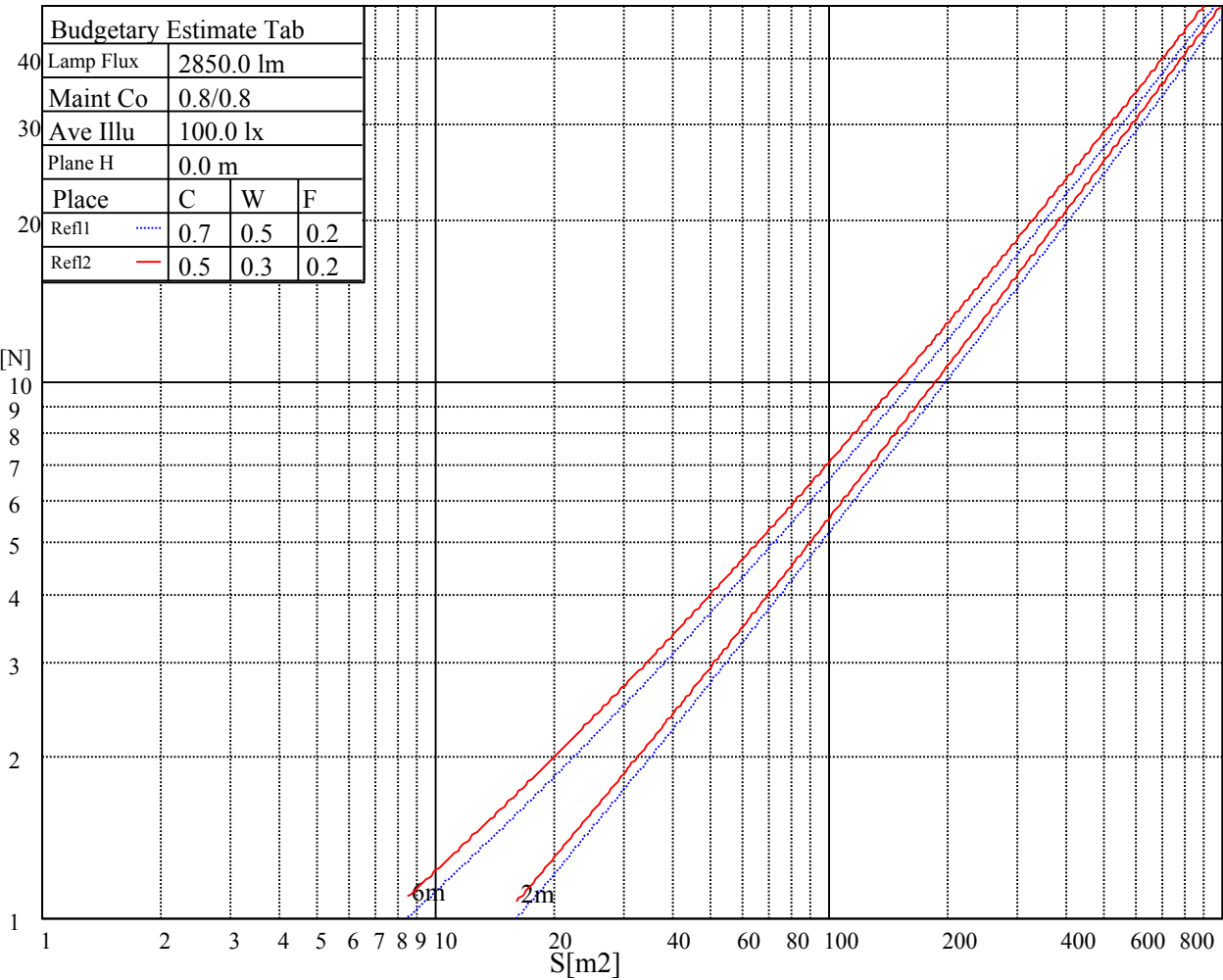
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

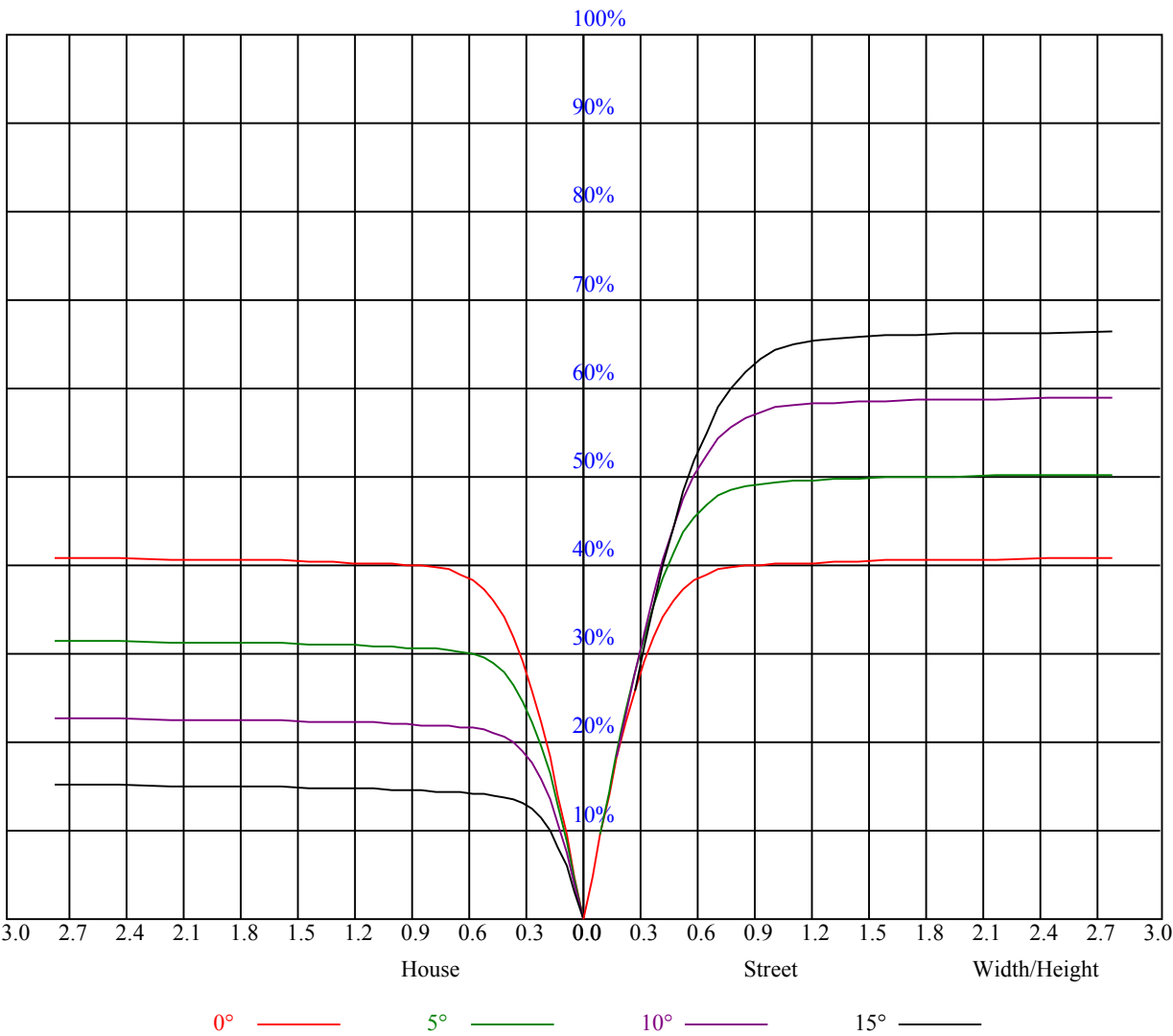


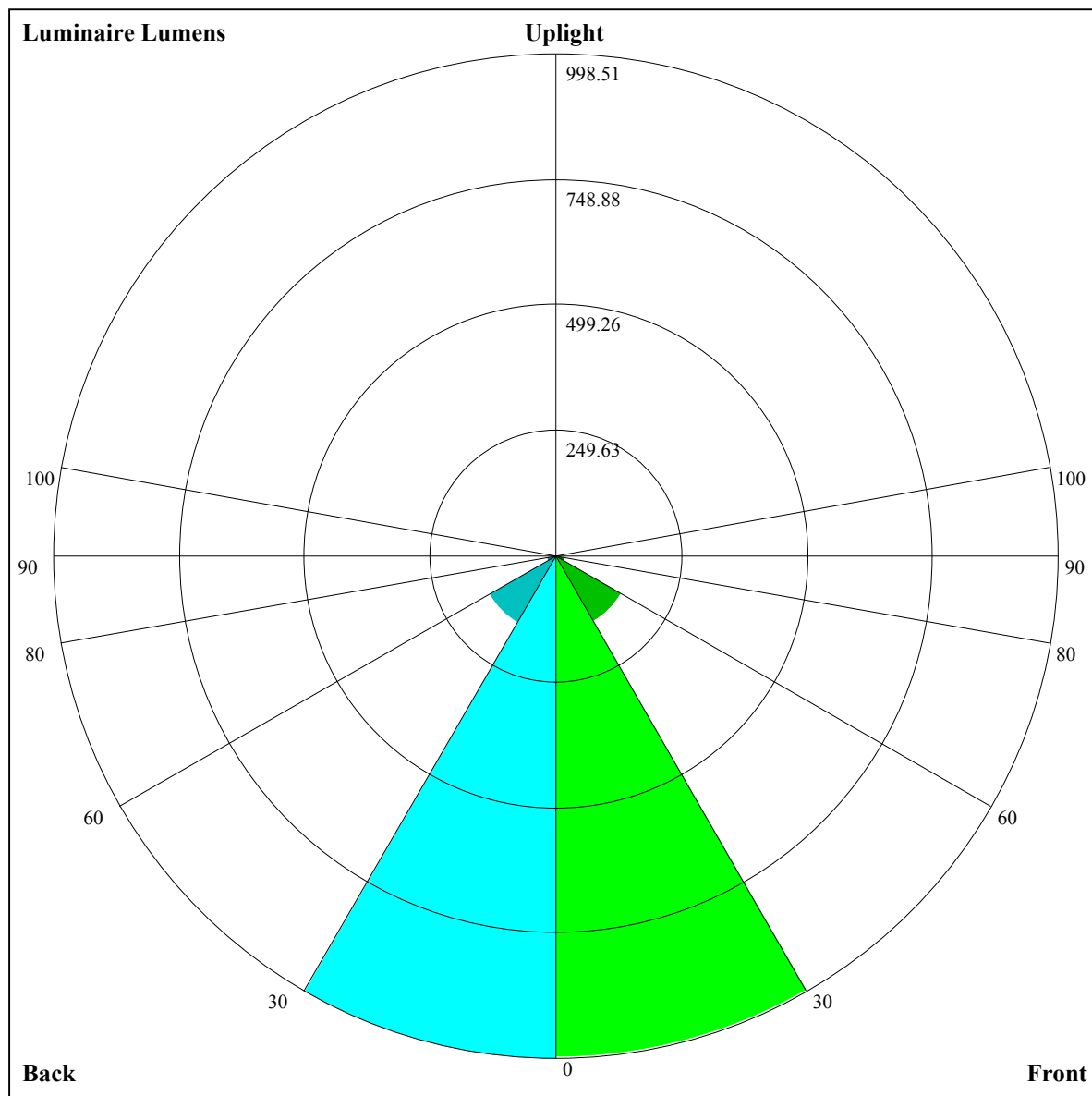
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字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



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	0.98	0.98	0.98	0.96	0.96	0.96	0.91	0.91	0.91	0.88	0.88	0.88	0.84	0.84	0.84	0.82
1	0.91	0.89	0.88	0.90	0.88	0.86	0.86	0.85	0.84	0.83	0.82	0.81	0.80	0.80	0.79	0.77
2	0.86	0.83	0.80	0.84	0.81	0.79	0.82	0.79	0.77	0.79	0.77	0.76	0.77	0.75	0.74	0.73
3	0.81	0.77	0.74	0.80	0.76	0.73	0.77	0.75	0.72	0.76	0.73	0.71	0.74	0.72	0.70	0.69
4	0.76	0.72	0.69	0.75	0.72	0.69	0.74	0.70	0.68	0.72	0.69	0.67	0.71	0.68	0.66	0.65
5	0.72	0.68	0.65	0.71	0.67	0.64	0.70	0.67	0.64	0.69	0.66	0.63	0.68	0.65	0.63	0.62
6	0.69	0.64	0.61	0.68	0.64	0.61	0.67	0.63	0.60	0.66	0.62	0.60	0.65	0.62	0.60	0.59
7	0.65	0.61	0.58	0.65	0.61	0.58	0.64	0.60	0.57	0.63	0.60	0.57	0.62	0.59	0.57	0.56
8	0.62	0.58	0.55	0.62	0.58	0.55	0.61	0.57	0.55	0.60	0.57	0.54	0.59	0.56	0.54	0.53
9	0.59	0.55	0.52	0.59	0.55	0.52	0.58	0.55	0.52	0.58	0.54	0.52	0.57	0.54	0.52	0.51
10	0.57	0.53	0.50	0.57	0.52	0.50	0.56	0.52	0.50	0.55	0.52	0.49	0.55	0.52	0.49	0.48





Luminaire Lumens:

FL=997.12,FM=151.63,FH=19.87,FVH=6.37

BL=998.51,BM=152.53,BH=19.61,BVH=6.31

UL=0,UH=0

BUG Rating:B2-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	4275.13	4269.27	4248.79	4222.46	4185.59	4124.14	4065.03	3998.32	3923.41		
45.0	4269.86	4270.45	4267.52	4248.79	4221.87	4186.76	4137.01	4065.62	3998.32		
90.0	4270.45	4262.84	4245.28	4215.43	4177.39	4110.68	4050.99	3982.51	3908.19		
135.0	4268.69	4269.27	4264.59	4251.13	4214.85	4175.64	4122.38	4063.86	3980.17		
180.0	4275.13	4269.86	4261.67	4238.26	4199.63	4155.74	4104.83	4039.87	3952.08		
225.0	4269.86	4256.99	4232.41	4201.97	4161.01	4096.05	4031.67	3942.13	3862.54		
270.0	4270.45	4271.03	4261.08	4234.75	4209.00	4170.96	4106.58	4048.65	3980.76		
315.0	4268.69	4256.99	4237.09	4200.80	4160.42	4109.51	4031.09	3960.28	3885.95		
360.0	4275.13	4269.27	4248.79	4222.46	4185.59	4124.14	4065.03	3998.32	3923.41		
C/ γ (°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0		
0.0	3818.07	3726.19	3630.79	3526.04	3385.59	3267.95	3145.06	2988.80	2860.05		
45.0	3923.99	3844.99	3732.62	3634.89	3508.48	3403.73	3284.34	3129.84	3004.02		
90.0	3804.02	3718.58	3622.60	3490.34	3382.07	3234.60	3113.46	2987.63	2855.96		
135.0	3904.09	3820.41	3732.04	3610.31	3506.73	3396.70	3253.32	3129.84	3000.51		
180.0	3873.66	3788.22	3692.83	3564.66	3459.32	3346.38	3193.63	3063.71	2943.16		
225.0	3772.42	3654.20	3556.47	3448.20	3335.26	3188.95	3066.64	2940.81	2807.97		
270.0	3883.61	3799.92	3707.46	3585.73	3479.81	3367.44	3253.32	3094.73	2978.27		
315.0	3801.68	3684.05	3587.49	3482.15	3369.78	3224.65	3099.41	2975.93	2810.89		
360.0	3818.07	3726.19	3630.79	3526.04	3385.59	3267.95	3145.06	2988.80	2860.05		
C/ γ (°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0		
0.0	2727.21	2553.98	2406.50	2223.91	2078.78	1928.37	1779.73	1636.35	1344.32		
45.0	2872.34	2737.74	2562.76	2417.62	2269.56	2120.33	1937.15	1792.02	1645.71		
90.0	2682.73	2537.59	2391.29	2242.64	2052.44	1902.62	1758.07	1576.07	1315.06		
135.0	2837.23	2697.95	2513.01	2366.71	2219.23	2070.58	1884.48	1739.35	1593.63		
180.0	2769.93	2624.21	2480.24	2301.75	2141.98	2000.94	1861.07	1673.80	1534.52		
225.0	2632.99	2483.75	2334.52	2153.10	2009.72	1864.59	1680.82	1535.10	1142.71		
270.0	2834.30	2691.51	2514.77	2365.54	2167.73	2030.79	1892.68	1711.26	1567.88		
315.0	2673.95	2494.29	2342.13	2196.99	2053.61	1872.78	1726.47	1580.75	1144.93		
360.0	2727.21	2553.98	2406.50	2223.91	2078.78	1928.37	1779.73	1636.35	1344.32		
C/ γ (°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0		
0.0	1159.86	1159.86	1018.64	854.31	727.14	586.22	484.92	398.19	306.37		
45.0	1460.78	1309.21	1160.56	986.75	854.49	703.50	594.65	496.33	407.96		
90.0	1131.71	1131.71	958.42	827.10	676.52	570.48	472.28	385.43	291.91		
135.0	1446.73	1258.29	1116.67	977.97	815.28	696.48	586.45	467.07	383.38		
180.0	1391.14	1248.93	1072.78	933.49	798.31	644.39	537.30	425.52	347.10		
225.0	1142.71	1073.07	933.14	799.89	648.84	538.76	442.72	360.67	275.23		
270.0	1421.57	1275.26	1110.23	973.29	838.69	705.84	567.73	470.58	384.55		
315.0	1144.93	1110.35	971.18	802.46	678.98	563.81	461.33	358.51	291.09		
360.0	1159.86	1159.86	1018.64	854.31	727.14	586.22	484.92	398.19	306.37		
C/ γ (°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0		
0.0	241.81	188.50	145.66	106.28	85.44	70.70	60.04	51.21	46.35		
45.0	330.13	311.98	231.92	143.20	105.16	84.80	70.46	58.00	51.27		
90.0	228.76	178.03	138.17	102.12	83.16	69.41	59.34	50.91	46.35		
135.0	309.06	309.06	172.17	132.09	103.35	79.36	66.60	57.35	50.86		
180.0	295.01	295.01	151.92	116.87	91.59	73.97	59.46	52.03	46.76		
225.0	215.83	166.20	118.92	93.05	71.22	60.16	52.55	47.29	42.66		
270.0	306.72	306.72	172.11	125.41	96.33	77.19	61.33	53.37	47.81		
315.0	218.82	170.18	131.79	97.03	78.07	64.96	55.83	48.28	44.18		
360.0	241.81	188.50	145.66	106.28	85.44	70.70	60.04	51.21	46.35		

Intensity data(cd)

Appendix Page: 19 Total:20

C/γ(°)	45.0	46.0	47.0	48.0	49.0	50.0	51.0	52.0	53.0
0.0	42.72	39.97	37.28	35.58	33.88	32.71	31.43	30.49	29.67
45.0	46.47	42.31	39.80	37.81	35.76	34.41	33.24	32.25	31.13
90.0	42.14	39.68	37.63	35.70	34.41	33.30	32.01	31.13	30.26
135.0	45.30	42.14	39.68	37.22	35.64	34.24	32.83	31.89	30.72
180.0	42.19	39.50	37.40	35.35	33.94	32.71	31.43	30.49	29.67
225.0	39.97	37.81	36.11	34.29	33.12	32.13	30.96	30.14	29.32
270.0	43.83	40.32	38.16	36.40	34.53	33.30	32.25	31.31	30.20
315.0	41.08	38.68	36.34	34.82	33.47	32.13	31.13	30.02	29.20
360.0	42.72	39.97	37.28	35.58	33.88	32.71	31.43	30.49	29.67
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	28.85	27.92	27.21	26.45	25.81	25.05	24.40	23.82	23.23
45.0	30.26	29.50	28.79	27.92	27.21	26.51	25.75	25.11	24.35
90.0	29.38	28.50	27.74	27.04	26.34	25.52	24.93	24.17	23.53
135.0	29.90	29.09	28.27	27.51	26.57	25.87	25.22	24.58	23.76
180.0	28.62	27.92	27.10	26.39	25.57	24.87	24.23	23.64	22.82
225.0	28.44	27.68	26.92	26.10	25.46	24.81	24.05	23.41	22.82
270.0	29.44	28.44	27.74	27.04	26.22	25.52	24.87	24.17	23.35
315.0	28.44	27.74	26.80	26.16	25.46	24.87	24.05	23.47	22.82
360.0	28.85	27.92	27.21	26.45	25.81	25.05	24.40	23.82	23.23
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	22.53	21.95	21.36	20.60	20.01	19.25	18.73	18.32	17.85
45.0	23.70	23.12	22.53	21.83	21.24	20.66	20.13	19.49	19.02
90.0	22.94	22.18	21.59	21.07	21.13	21.71	21.83	22.18	22.71
135.0	23.17	22.53	21.77	21.24	20.42	19.84	19.31	18.67	18.14
180.0	22.24	21.65	20.89	20.31	19.55	19.02	18.55	18.08	17.50
225.0	22.18	21.42	20.83	20.19	19.61	18.96	18.43	17.97	17.38
270.0	22.77	22.18	21.54	20.83	20.25	19.72	19.14	19.31	20.13
315.0	22.18	21.42	20.83	20.13	19.49	18.90	18.32	17.85	17.32
360.0	22.53	21.95	21.36	20.60	20.01	19.25	18.73	18.32	17.85
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	17.21	16.85	16.56	16.33	16.09	15.74	15.45	14.98	14.51
45.0	18.55	18.14	17.73	17.50	17.26	17.03	16.80	16.15	15.80
90.0	22.36	21.01	20.54	19.25	18.43	17.91	16.80	15.98	15.10
135.0	17.67	17.15	16.68	16.33	16.04	15.74	15.33	14.92	14.51
180.0	17.03	16.56	16.21	15.80	15.51	15.16	14.75	14.40	14.05
225.0	16.97	16.50	16.21	15.98	15.57	15.16	14.81	14.34	13.99
270.0	19.37	18.38	17.79	16.68	15.98	15.63	15.27	14.86	14.51
315.0	16.80	16.39	16.15	15.86	15.51	15.22	14.86	14.51	14.05
360.0	17.21	16.85	16.56	16.33	16.09	15.74	15.45	14.98	14.51
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	14.05	13.46	12.70	11.76	10.94	10.53	10.24	10.07	9.89
45.0	15.39	14.28	13.58	12.87	11.82	11.00	10.42	10.18	9.95
90.0	13.93	13.34	12.64	11.76	10.94	10.30	10.12	9.95	9.83
135.0	14.10	13.69	13.17	12.47	11.59	10.53	10.24	10.01	9.89
180.0	13.69	13.28	12.70	12.00	11.12	10.42	10.18	10.01	9.83
225.0	13.46	12.93	12.17	11.35	10.59	10.18	10.01	9.89	9.83
270.0	14.10	13.58	12.99	12.11	11.18	10.42	10.12	9.95	9.83
315.0	13.69	13.11	12.29	11.41	10.65	10.24	10.07	9.89	9.77
360.0	14.05	13.46	12.70	11.76	10.94	10.53	10.24	10.07	9.89

Intensity data(cd)

C/ $\gamma(^{\circ})$	90.0
0.0	9.89
45.0	9.83
90.0	9.83
135.0	9.77
180.0	9.83
225.0	9.83
270.0	9.77
315.0	9.77
360.0	9.89