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Address:380 JinOu Road, JiangMen City, GuangDong, China 529040

NT

Client:
LumCAT: 2-2896-L
Luminaire: 92.70.411.00 LED HOLDER
Report No: 20250320-B002
Ballast type: AC

Test No: 20250320-C002	Voltage(V): 34.130
LampCAT: LUMILEDS LUXEON COB 1208	Current(A): 0.576
Lamp flux(lm): 2872.2	Power (W): 19.658
Number of Lamps: 1	PF: 0.000
Length(mm): 69	Width(mm): 69
Phm Type: C	Height(mm): 44

Photometric Results

Lumens(lm): 2745.07, Efficiency(%): 95.57% , Luminous Efficacy(lm/W): 139.64
Central intensity(cd): 5782.082, Maximum intensity(cd): 5790.275
Angle of maximum intensity: C=90.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=37.5
[C90/270]Total=36.6
Field angle(10%Imax): [C0/180]Total=68.1
[C90/270]Total=68.0
Maximum s/h(1/2): C0_180=0.61 C90_270=0.62
Maximum s/h(1/4): C0_180=0.65 C90_270=0.66
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 : 98.304%

NT 2-2896-L

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	5776.083	0.000	0	0.00%	0.00%
1.0	5760.136	5.520	5.52	0.19%	0.20%
2.0	5727.948	16.489	22.009	0.57%	0.80%
3.0	5670.889	27.262	49.271	0.95%	1.79%
4.0	5587.787	37.686	86.957	1.31%	3.17%
5.0	5480.105	47.613	134.571	1.66%	4.90%
6.0	5352.234	56.927	191.498	1.98%	6.98%
7.0	5198.685	65.489	256.987	2.28%	9.36%
8.0	5019.168	73.127	330.114	2.55%	12.03%
9.0	4828.677	79.811	409.926	2.78%	14.93%
10.0	4628.749	85.586	495.512	2.98%	18.05%
11.0	4428.822	90.504	586.016	3.15%	21.35%
12.0	4232.771	94.684	680.699	3.30%	24.80%
13.0	4020.701	97.948	778.647	3.41%	28.37%
14.0	3814.189	100.286	878.933	3.49%	32.02%
15.0	3621.870	102.086	981.019	3.55%	35.74%
16.0	3424.283	103.246	1084.264	3.59%	39.50%
17.0	3198.606	103.136	1187.401	3.59%	43.26%
18.0	3008.481	102.341	1289.742	3.56%	46.98%
19.0	2820.770	101.417	1391.159	3.53%	50.68%
20.0	2631.889	99.799	1490.958	3.47%	54.31%
21.0	2438.472	97.361	1588.319	3.39%	57.86%
22.0	2267.001	94.558	1682.878	3.29%	61.31%
23.0	2106.064	91.759	1774.636	3.19%	64.65%
24.0	1963.562	88.977	1863.613	3.10%	67.89%
25.0	1831.740	86.297	1949.91	3.00%	71.03%
26.0	1706.648	83.524	2033.434	2.91%	74.08%
27.0	1521.417	78.975	2112.409	2.75%	76.95%
28.0	1420.758	74.490	2186.899	2.59%	79.67%
29.0	1299.777	71.177	2258.076	2.48%	82.26%
30.0	1144.371	65.992	2324.067	2.30%	84.66%
31.0	1018.723	60.196	2384.263	2.10%	86.86%
32.0	885.058	54.541	2438.804	1.90%	88.84%
33.0	739.944	47.873	2486.677	1.67%	90.59%
34.0	596.900	40.457	2527.134	1.41%	92.06%
35.0	480.675	33.465	2560.599	1.17%	93.28%
36.0	372.101	27.153	2587.752	0.95%	94.27%
37.0	285.378	21.443	2609.195	0.75%	95.05%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	192.429	15.949	2625.144	0.56%	95.63%
39.0	137.491	11.261	2636.405	0.39%	96.04%
40.0	90.659	7.957	2644.362	0.28%	96.33%
41.0	52.502	5.098	2649.46	0.18%	96.52%
42.0	43.680	3.494	2652.954	0.12%	96.64%
43.0	39.078	3.066	2656.02	0.11%	96.76%
44.0	35.757	2.825	2658.844	0.10%	96.86%
45.0	33.775	2.672	2661.517	0.09%	96.96%
46.0	32.261	2.582	2664.099	0.09%	97.05%
47.0	31.039	2.518	2666.617	0.09%	97.14%
48.0	30.037	2.469	2669.086	0.09%	97.23%
49.0	29.261	2.435	2671.521	0.08%	97.32%
50.0	28.391	2.404	2673.924	0.08%	97.41%
51.0	27.645	2.371	2676.295	0.08%	97.49%
52.0	27.037	2.346	2678.642	0.08%	97.58%
53.0	26.459	2.327	2680.969	0.08%	97.66%
54.0	25.816	2.304	2683.273	0.08%	97.75%
55.0	25.194	2.277	2685.55	0.08%	97.83%
56.0	24.594	2.250	2687.8	0.08%	97.91%
57.0	24.126	2.228	2690.027	0.08%	97.99%
58.0	23.716	2.212	2692.24	0.08%	98.08%
59.0	23.343	2.200	2694.44	0.08%	98.16%
60.0	22.853	2.182	2696.622	0.08%	98.24%
61.0	22.326	2.156	2698.778	0.08%	98.31%
62.0	21.705	2.122	2700.9	0.07%	98.39%
63.0	20.936	2.074	2702.974	0.07%	98.47%
64.0	20.146	2.016	2704.99	0.07%	98.54%
65.0	19.386	1.956	2706.946	0.07%	98.61%
66.0	18.669	1.899	2708.845	0.07%	98.68%
67.0	17.784	1.833	2710.678	0.06%	98.75%
68.0	17.023	1.763	2712.441	0.06%	98.81%
69.0	16.364	1.703	2714.144	0.06%	98.87%
70.0	15.735	1.649	2715.793	0.06%	98.93%
71.0	15.318	1.605	2717.398	0.06%	98.99%
72.0	15.026	1.578	2718.975	0.05%	99.05%
73.0	14.828	1.561	2720.537	0.05%	99.11%
74.0	14.616	1.548	2722.084	0.05%	99.16%
75.0	14.433	1.535	2723.619	0.05%	99.22%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	14.258	1.523	2725.142	0.05%	99.27%
77.0	14.097	1.512	2726.654	0.05%	99.33%
78.0	13.943	1.501	2728.155	0.05%	99.38%
79.0	13.797	1.490	2729.645	0.05%	99.44%
80.0	13.614	1.478	2731.123	0.05%	99.49%
81.0	13.475	1.465	2732.588	0.05%	99.55%
82.0	13.336	1.454	2734.042	0.05%	99.60%
83.0	13.175	1.441	2735.483	0.05%	99.65%
84.0	13.029	1.428	2736.911	0.05%	99.70%
85.0	12.831	1.411	2738.322	0.05%	99.75%
86.0	12.590	1.390	2739.712	0.05%	99.80%
87.0	12.385	1.367	2741.078	0.05%	99.85%
88.0	12.209	1.347	2742.426	0.05%	99.90%
89.0	12.048	1.330	2743.755	0.05%	99.95%
90.0	11.902	1.313	2745.068	0.05%	100.00%

Zonal flux distribution table

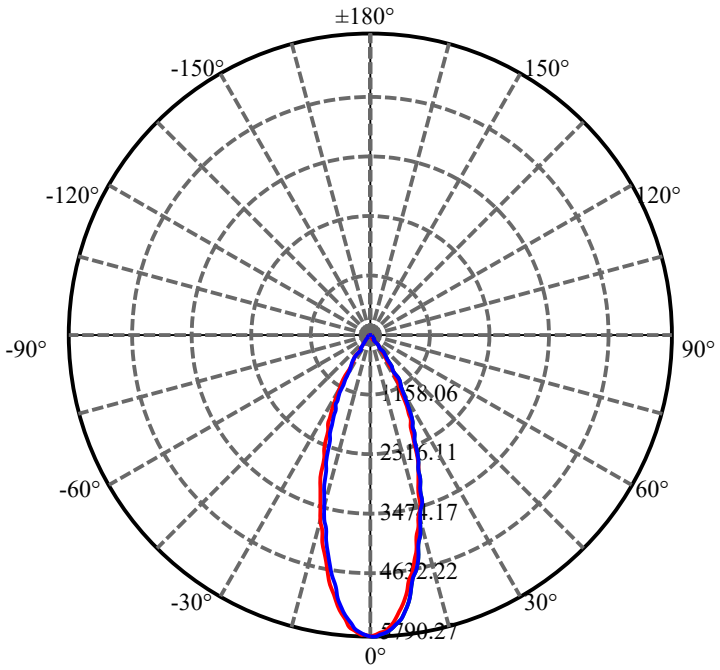
ZONAL LUMEN SUMMARY

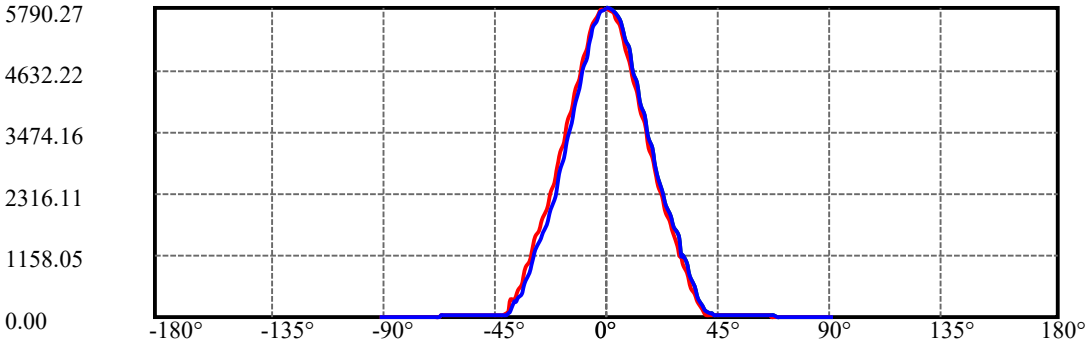
Zone	Lumens	%Lamp	%Fixt
0-30	2324.07	80.92%	84.66%
0-40	2644.36	92.07%	96.33%
0-60	2696.62	93.89%	98.24%
0-90	2743.76	95.53%	99.95%
0-120	2743.76	95.53%	99.95%
0-180	2745.07	95.57%	100.00%
60-90	47.13	1.64%	1.72%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-28.13	2196.06	76.46%	80.00%

ZONAL LUMEN SUMMARY

0-10	495.51
10-20	995.45
20-30	833.11
30-40	320.29
40-50	29.56
50-60	22.70
60-70	19.17
70-80	15.33
80-90	12.63
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

Light Distribution Curve [Unit:cd]





C90(Max):

C0/C180:

C90/C270:

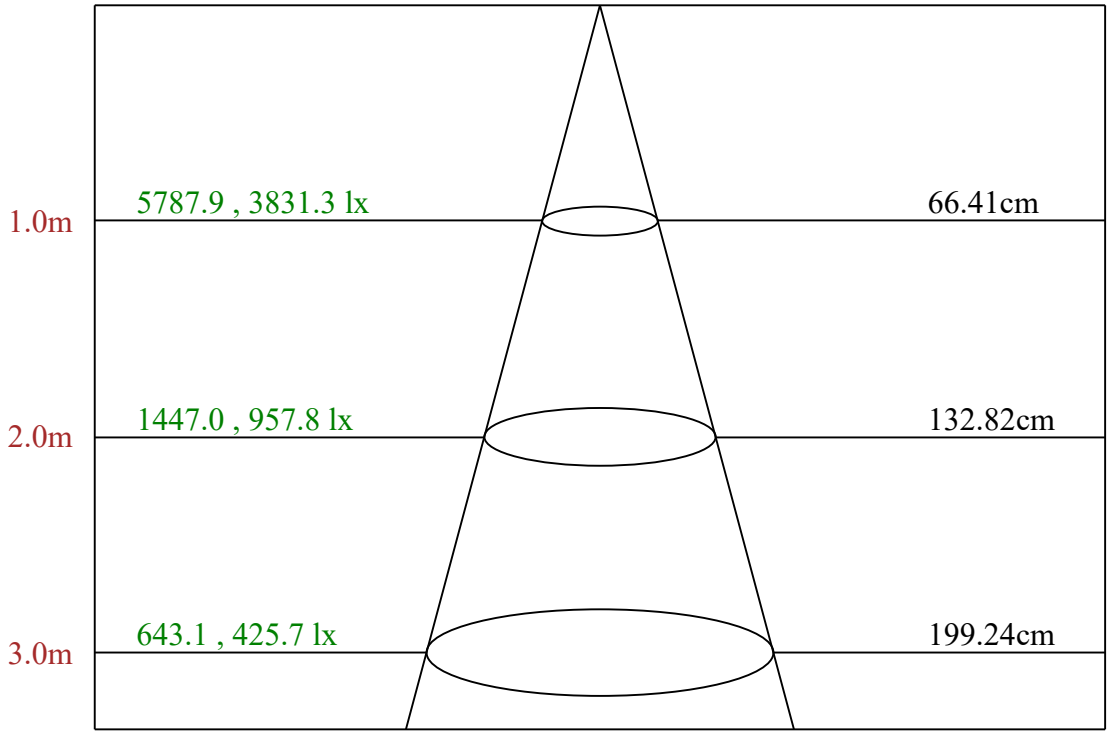
Field angle(10%Imax):C0/180Left:34.4 Right:33.8

:C90/270Left:34.0 Right:34.0

Beam Angle(50%Imax):C0/180Left:19.0 Right:18.5

:C90/270Left:18.4 Right:18.1

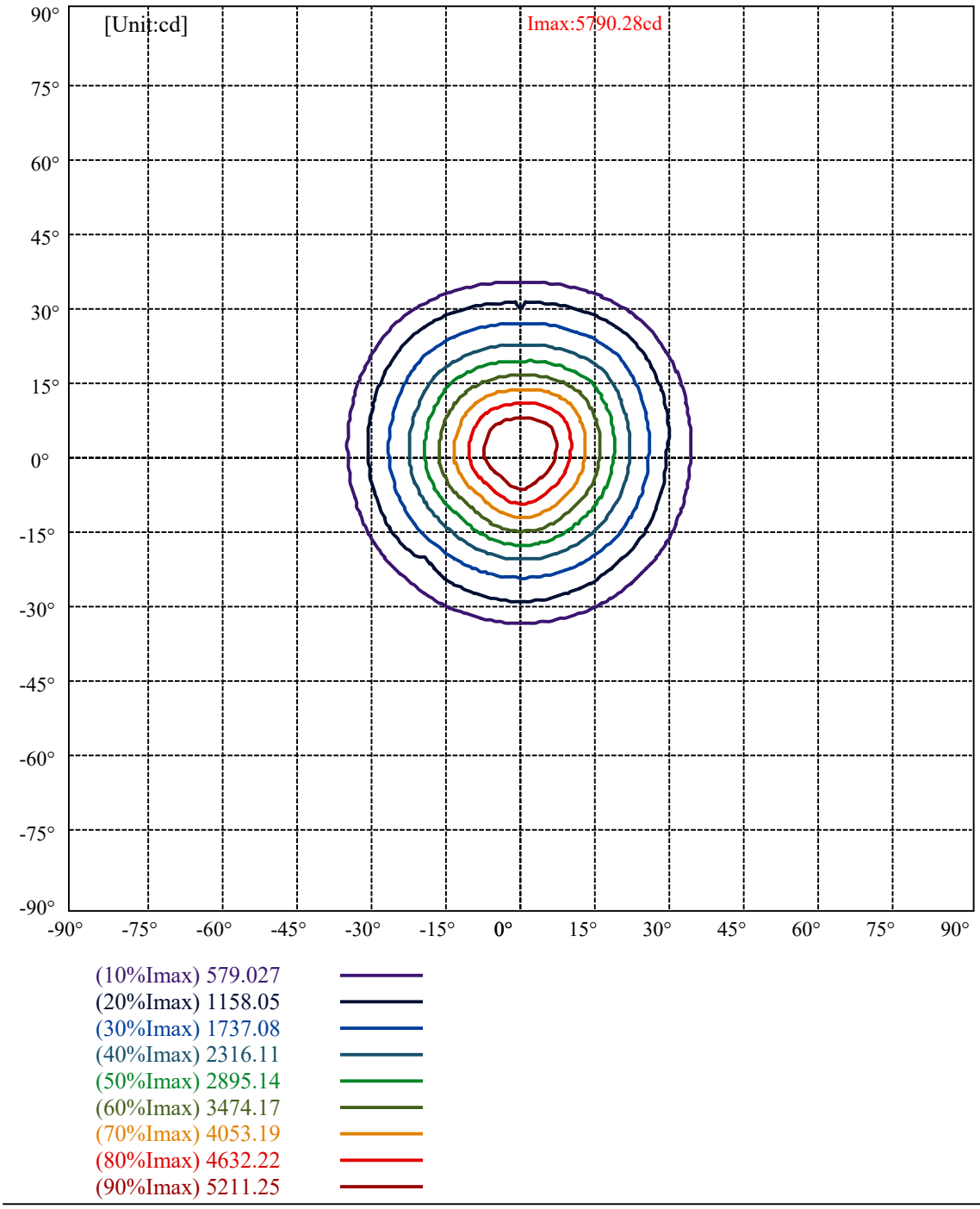
Lux distance Curve



Max , Ave

Beam angle of C90 plane 36.74

ISO-Intensity(V-H)

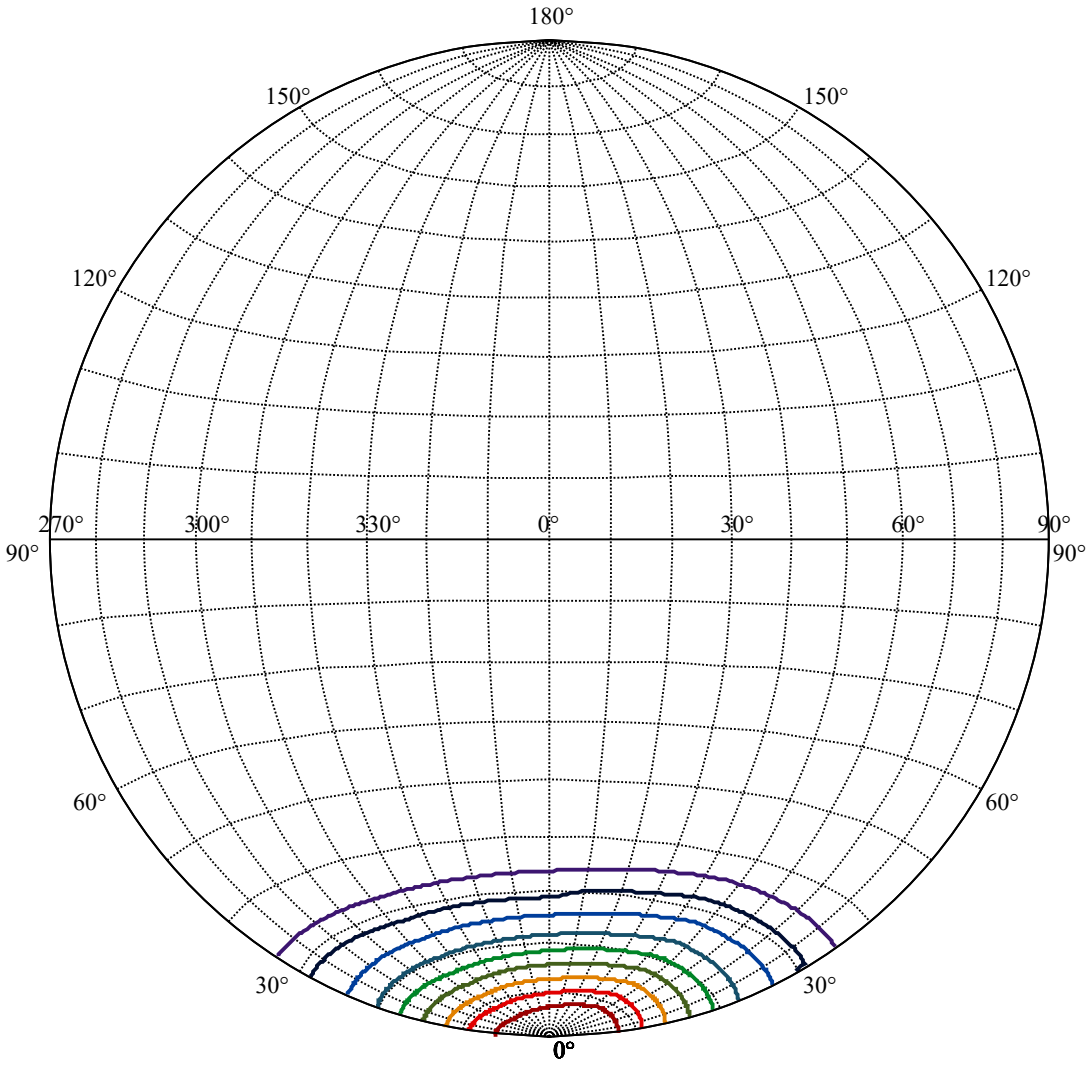


Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/3/28
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

ISO candela diagram on circular web



House [Unit:cd] Road

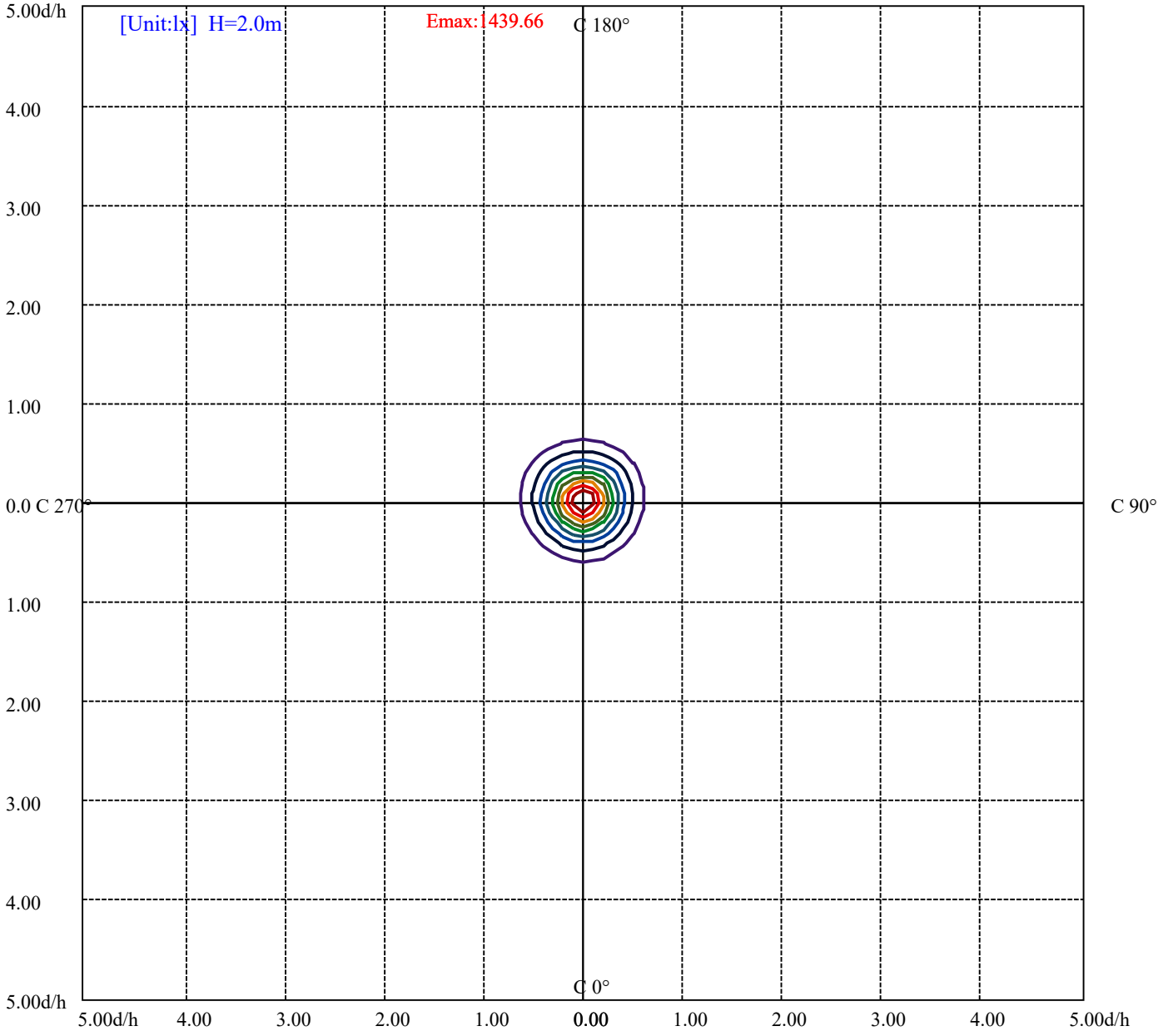
Imax:5790.28

(10%Imax) 578.788
(20%Imax) 1157.58
(30%Imax) 1736.36
(40%Imax) 2315.15
(50%Imax) 2893.94
(60%Imax) 3472.73
(70%Imax) 4051.51
(80%Imax) 4630.3
(90%Imax) 5209.09

Equipment: GMS1980	Date: 2024/3/28	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65

NT 2-2896-L

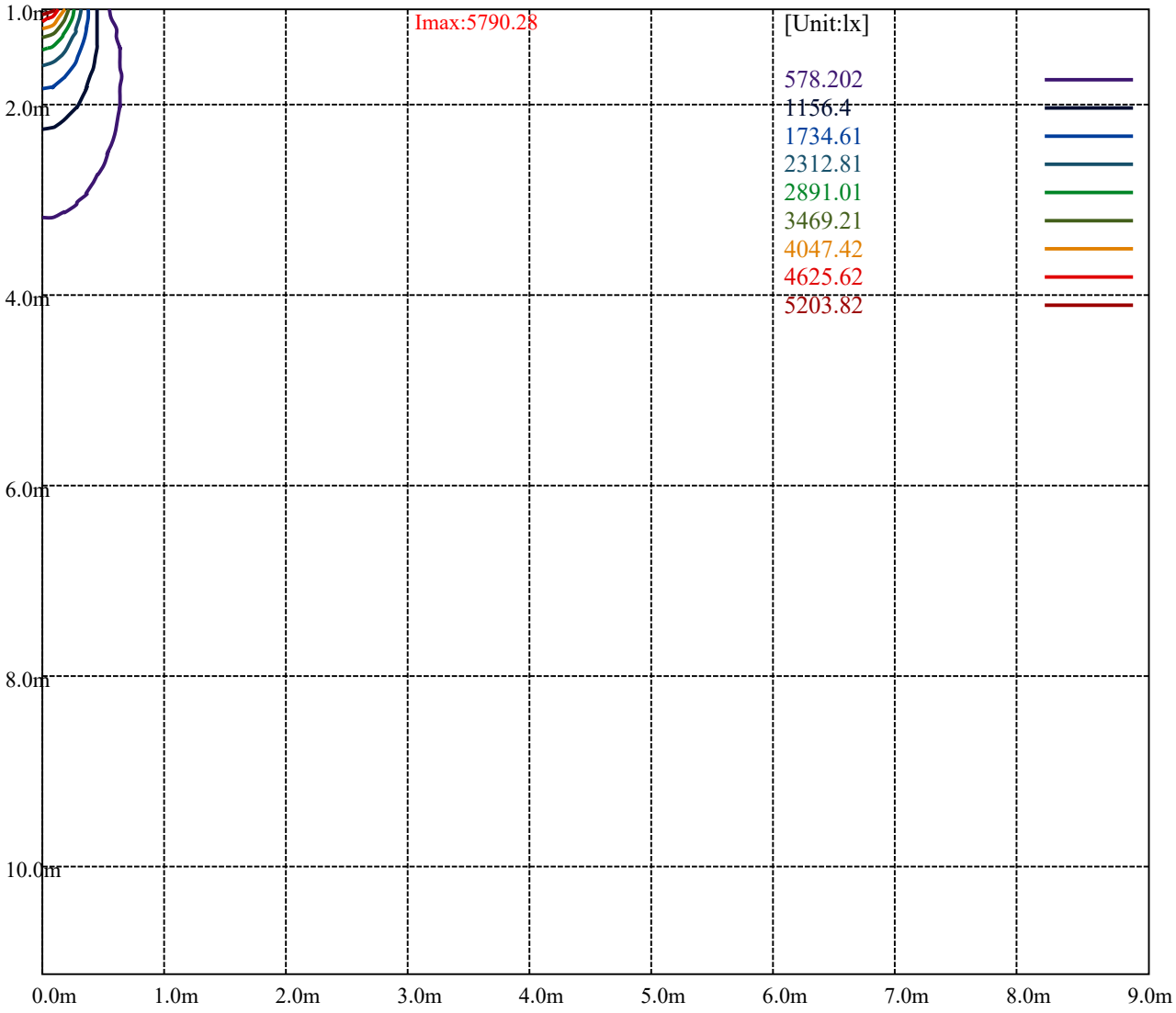
ISO illuminance diagram



(10%Emax) 143.9655
(20%Emax) 287.93
(30%Emax) 431.8975
(40%Emax) 575.8625
(50%Emax) 719.8275
(60%Emax) 863.7925
(70%Emax) 1007.758
(80%Emax) 1151.725
(90%Emax) 1295.69

Equipment: GMS1980
Temperature(°C): 25.0
Date: 2024/3/28
Humidity(%): 60.0%
Operator: NT07
Distance(m): 7.65

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/3/28
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

NT 2-2896-L

Luminance Limitting Curve(no luminous side)

Luminance Table

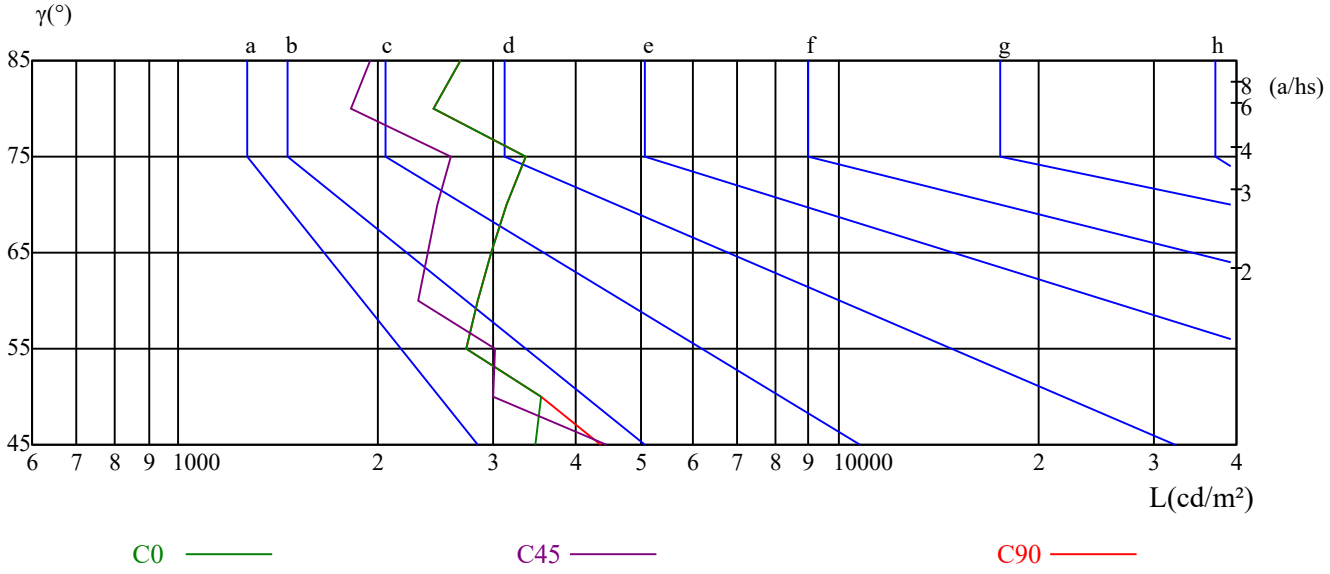
γ	45	50	55	60	65	70	75	80	85
C0	3476	3545	2734	2836	2970	3141	3361	2430	2675
C45	4457	2986	3023	2313	2380	2470	2588	1826	1956
C90	4345	3545	2734	2836	2970	3141	3361	2430	2675

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
7385	7385	7385	12059	12059	12059	23875	23875	23875

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 Limitting Curve



Equipment: GMS1980
Temperature(°C): 25.0

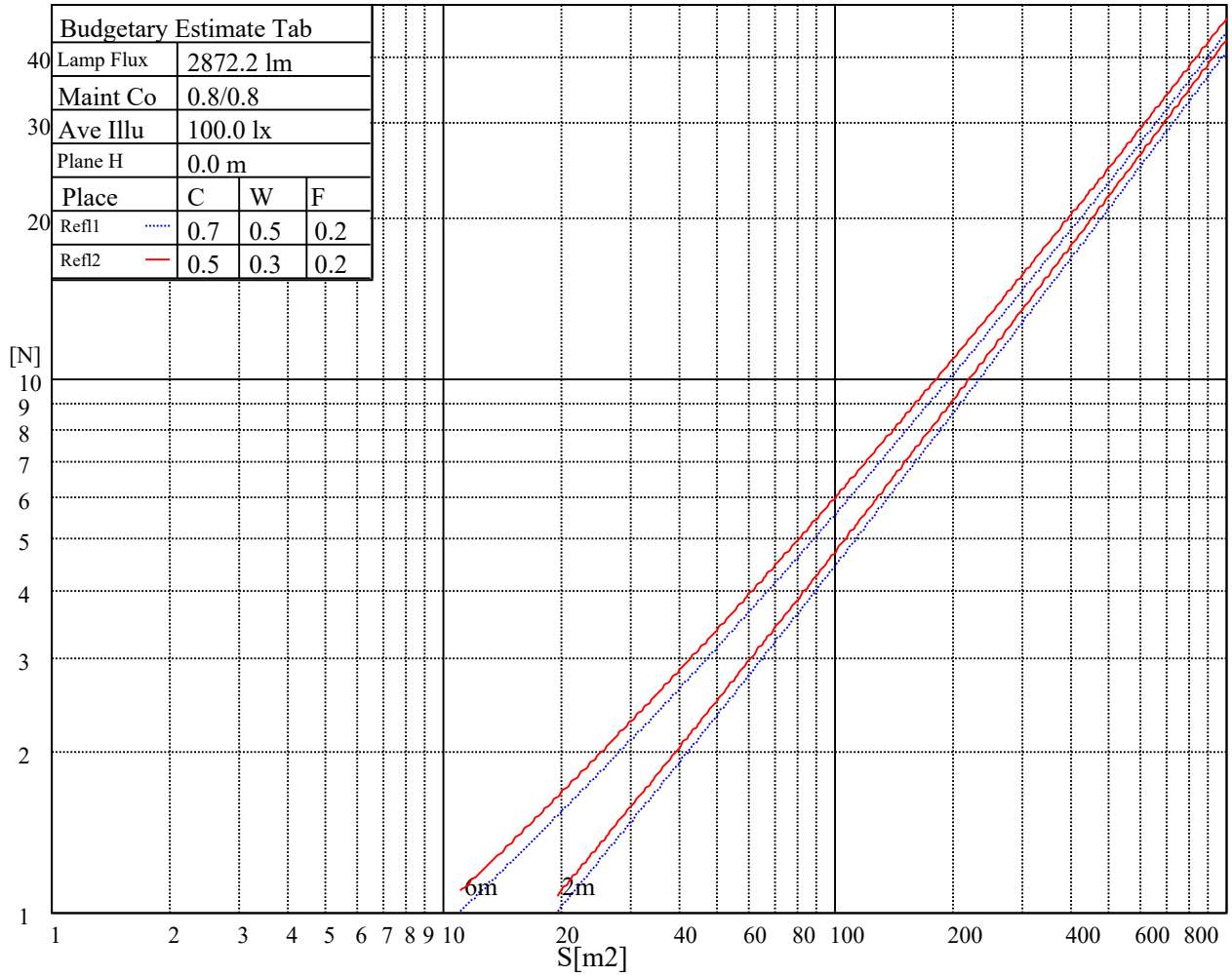
Date: 2024/3/28
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

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	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	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	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	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	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	非数字
4H	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	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	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	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	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	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	非数字
8H	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	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	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	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	非数字
12H	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	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	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	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

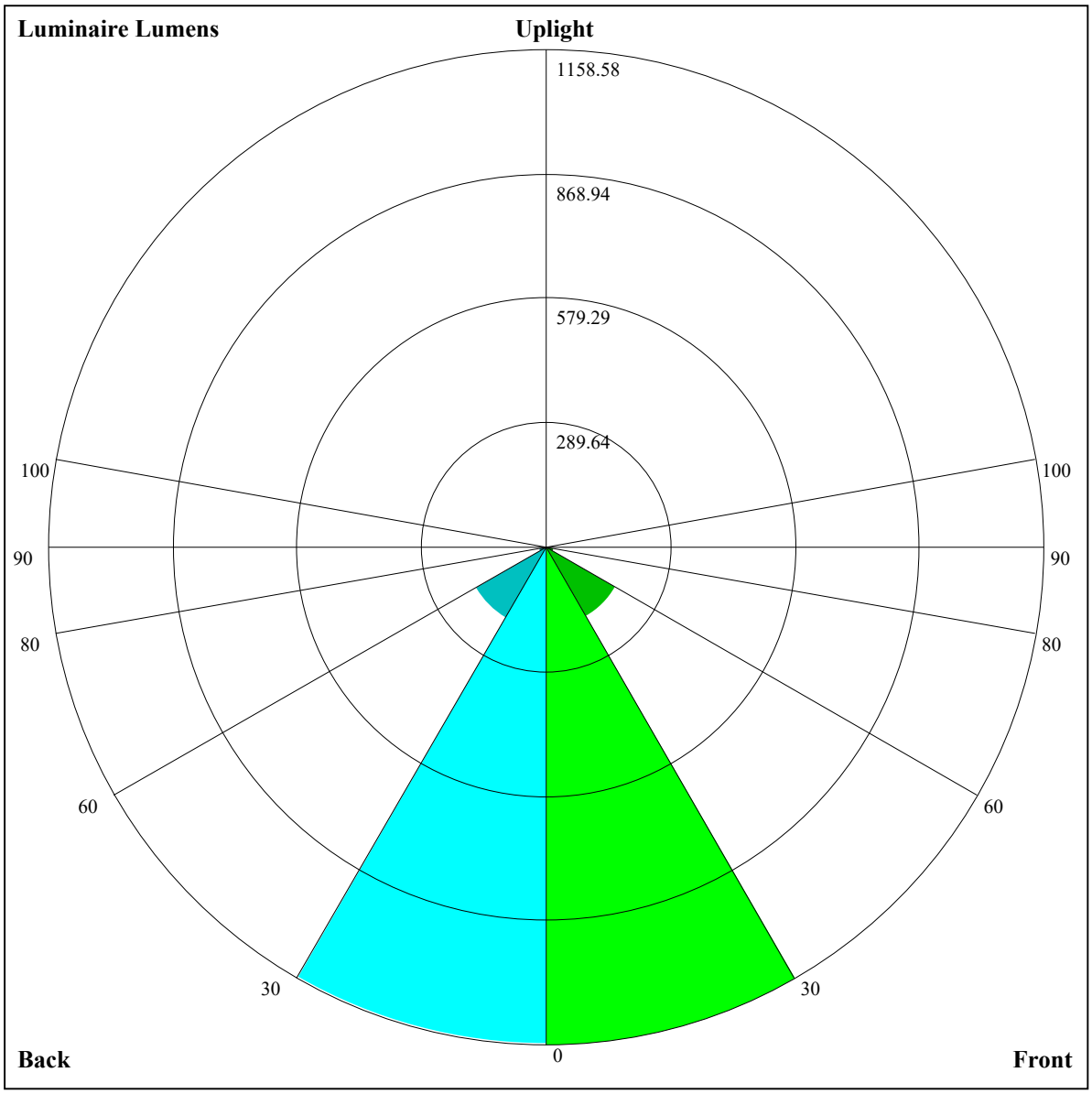
Budgetary Estimate Table



Equipment: GMS1980 Date: 2024/3/28 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

Utilization factor table for indoor luminaire

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	COEFFCIENTS 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	1.06	1.04	1.02	1.04	1.02	1.00	1.00	0.99	0.97	0.97	0.96	0.94	0.94	0.93	0.92	0.90
2	1.00	0.96	0.93	0.98	0.95	0.92	0.95	0.93	0.90	0.92	0.90	0.88	0.90	0.88	0.87	0.85
3	0.94	0.90	0.86	0.93	0.89	0.86	0.90	0.87	0.84	0.88	0.85	0.83	0.86	0.84	0.82	0.80
4	0.89	0.84	0.81	0.88	0.84	0.80	0.86	0.82	0.79	0.84	0.81	0.78	0.82	0.80	0.77	0.76
5	0.84	0.79	0.76	0.84	0.79	0.75	0.82	0.78	0.75	0.80	0.77	0.74	0.79	0.76	0.74	0.72
6	0.80	0.75	0.72	0.80	0.75	0.71	0.78	0.74	0.71	0.77	0.73	0.70	0.76	0.72	0.70	0.69
7	0.76	0.71	0.68	0.76	0.71	0.68	0.75	0.70	0.67	0.74	0.70	0.67	0.73	0.69	0.67	0.65
8	0.73	0.68	0.64	0.72	0.68	0.64	0.71	0.67	0.64	0.71	0.67	0.64	0.70	0.66	0.64	0.62
9	0.70	0.65	0.61	0.69	0.65	0.61	0.68	0.64	0.61	0.68	0.64	0.61	0.67	0.63	0.61	0.60
10	0.67	0.62	0.59	0.66	0.62	0.59	0.66	0.61	0.58	0.65	0.61	0.58	0.64	0.61	0.58	0.57



Luminaire Lumens:
FL=1158.58,FM=184.9,FH=17.32,FVH=7
BL=1154.96,BM=188.93,BH=17.26,BVH=6.96
UL=0,UH=0

BUG Rating:B3-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	5782.08	5760.43	5734.68	5682.01	5586.62	5483.62	5331.46	5184.57	5009.00
45.0	5761.01	5785.01	5788.52	5770.38	5724.14	5662.70	5567.30	5461.38	5335.55
90.0	5790.27	5789.69	5771.55	5722.39	5667.38	5591.88	5478.35	5340.24	5188.66
135.0	5770.96	5786.76	5772.72	5742.29	5686.10	5612.95	5526.92	5419.83	5243.09
180.0	5782.08	5769.21	5738.77	5683.76	5608.85	5494.74	5395.25	5248.94	5035.33
225.0	5761.01	5707.76	5632.85	5531.61	5430.36	5244.26	5085.66	4897.81	4707.02
270.0	5790.27	5759.84	5711.85	5645.72	5532.19	5419.83	5263.57	5094.44	4867.37
315.0	5770.96	5722.39	5672.64	5588.96	5466.65	5330.87	5169.35	4942.28	4767.30
360.0	5782.08	5760.43	5734.68	5682.01	5586.62	5483.62	5331.46	5184.57	5009.00

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	4776.66	4588.22	4406.22	4221.29	3986.61	3803.44	3617.33	3416.60	3170.81
45.0	5145.36	4976.81	4786.03	4595.25	4364.08	4180.32	3999.49	3823.33	3587.49
90.0	5019.53	4773.15	4579.44	4388.08	4140.53	3956.76	3770.66	3536.57	3342.86
135.0	5092.10	4884.35	4691.81	4494.00	4254.64	4073.81	3888.88	3689.32	3468.10
180.0	4863.86	4679.52	4448.94	4271.03	4093.71	3868.40	3697.51	3510.24	3272.05
225.0	4471.18	4285.66	4050.99	3870.74	3685.22	3437.67	3247.47	3056.10	2824.35
270.0	4681.27	4489.32	4293.27	4043.96	3840.89	3644.25	3389.68	3193.63	2995.83
315.0	4579.44	4352.96	4173.88	3977.83	3799.92	3548.86	3363.93	3168.47	2927.35
360.0	4776.66	4588.22	4406.22	4221.29	3986.61	3803.44	3617.33	3416.60	3170.81

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2985.88	2810.31	2642.35	2428.16	2267.22	2077.02	1937.74	1809.57	1663.27
45.0	3392.02	3208.26	2975.93	2798.02	2582.07	2428.74	2276.00	2097.50	1968.17
90.0	3150.91	2922.67	2741.25	2572.71	2364.95	2216.89	2078.19	1948.27	1832.98
135.0	3283.17	3110.53	2916.23	2693.85	2520.62	2356.76	2187.04	2056.54	1939.49
180.0	3092.97	2899.26	2723.70	2513.01	2346.23	2169.49	2027.86	1876.88	1757.49
225.0	2647.03	2469.12	2299.99	2103.94	1962.90	1835.32	1720.03	1615.28	1495.31
270.0	2768.17	2574.46	2352.08	2188.21	2027.28	1869.85	1715.35	1598.89	1487.70
315.0	2747.69	2571.54	2403.58	2209.87	2064.73	1894.43	1766.27	1650.98	1508.77
360.0	2985.88	2810.31	2642.35	2428.16	2267.22	2077.02	1937.74	1809.57	1663.27

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1546.81	1319.16	1136.86	1100.63	960.00	826.57	700.69	548.30	434.76
45.0	1832.98	1714.77	1602.99	1443.22	1301.01	1154.12	966.85	824.64	694.72
90.0	1686.68	1576.65	1463.12	1154.47	1154.47	1009.16	836.05	704.61	575.51
135.0	1793.77	1684.34	1553.25	1428.01	1296.92	1159.97	979.73	835.17	694.14
180.0	1626.98	1514.62	1382.36	1200.35	1058.15	918.28	778.41	618.64	502.18
225.0	1136.62	1136.62	1069.62	933.90	768.40	643.51	525.36	387.83	288.98
270.0	1387.04	1259.46	1099.11	971.53	812.94	694.72	580.02	446.59	347.68
315.0	1160.44	1160.44	1090.92	922.84	797.90	674.12	552.45	409.42	307.42
360.0	1546.81	1319.16	1136.86	1100.63	960.00	826.57	700.69	548.30	434.76

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	329.66	234.85	133.78	76.66	50.10	44.07	39.21	35.58	33.71
45.0	542.56	424.35	319.59	295.01	183.82	74.09	51.44	45.47	40.79
90.0	431.54	329.36	217.53	145.14	92.23	64.96	55.13	47.17	42.72
135.0	562.46	414.98	310.23	310.23	195.58	72.45	56.24	48.40	40.91
180.0	392.16	314.91	314.91	106.51	62.97	44.36	37.98	32.89	29.96
225.0	201.08	125.82	73.62	49.39	42.96	37.69	34.41	32.60	31.19
270.0	300.86	300.86	97.09	64.55	51.68	43.01	38.16	35.76	33.65
315.0	216.47	137.88	72.68	52.44	45.94	39.39	36.87	34.76	33.12
360.0	329.66	234.85	133.78	76.66	50.10	44.07	39.21	35.58	33.71

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	32.30	30.78	30.08	29.38	28.73	27.97	27.62	27.27	26.98
45.0	38.04	35.76	34.41	33.42	32.60	31.66	30.90	30.37	29.73
90.0	39.97	37.69	34.88	33.12	31.95	30.67	29.79	28.91	28.32
135.0	38.04	35.76	34.06	32.83	32.01	30.90	29.96	29.03	28.32
180.0	28.27	27.27	26.57	26.04	25.69	25.22	24.76	24.52	24.29
225.0	29.90	29.26	28.56	27.74	26.98	26.28	25.28	24.58	24.05
270.0	31.78	30.37	29.38	28.21	27.33	26.57	25.87	25.40	24.58
315.0	31.89	31.19	30.37	29.55	28.79	27.86	26.98	26.22	25.40
360.0	32.30	30.78	30.08	29.38	28.73	27.97	27.62	27.27	26.98

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	26.34	25.81	24.99	24.40	23.94	23.29	22.71	22.06	21.42
45.0	29.14	28.32	27.33	26.69	26.04	25.57	25.05	24.46	23.94
90.0	27.51	26.45	25.69	24.99	24.58	24.11	23.53	23.06	22.41
135.0	27.51	26.92	26.22	25.81	25.22	24.99	24.52	24.05	23.47
180.0	23.94	23.47	23.00	22.65	22.30	22.12	21.71	21.24	20.89
225.0	23.64	23.06	22.65	22.36	22.06	21.71	21.30	20.42	19.66
270.0	23.82	23.47	23.23	23.00	22.88	22.53	22.18	21.95	21.13
315.0	24.64	24.05	23.64	23.12	22.71	22.41	21.83	21.36	20.72
360.0	26.34	25.81	24.99	24.40	23.94	23.29	22.71	22.06	21.42

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	20.48	19.55	18.67	17.97	17.15	16.56	15.98	15.22	14.86
45.0	22.94	22.06	21.13	20.37	19.43	18.55	17.67	16.68	15.92
90.0	21.65	20.95	20.13	19.31	18.55	17.62	16.85	16.21	15.86
135.0	22.82	22.06	21.19	20.25	19.20	18.20	17.38	16.56	15.86
180.0	20.19	19.37	18.73	18.14	17.38	16.68	15.98	15.39	14.98
225.0	19.02	18.26	17.85	17.32	16.50	15.86	15.33	14.98	14.81
270.0	20.54	19.78	19.08	18.38	17.44	16.80	16.27	15.68	15.39
315.0	19.84	19.14	18.32	17.62	16.62	15.92	15.45	15.16	14.86
360.0	20.48	19.55	18.67	17.97	17.15	16.56	15.98	15.22	14.86

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	14.63	14.46	14.28	14.16	13.99	13.93	13.81	13.69	13.52
45.0	15.27	14.98	14.81	14.63	14.40	14.28	14.16	14.05	13.87
90.0	15.51	15.33	15.04	14.86	14.57	14.40	14.22	14.10	13.81
135.0	15.51	15.33	15.10	14.86	14.69	14.46	14.34	14.10	13.99
180.0	14.81	14.69	14.51	14.34	14.22	14.05	13.93	13.81	13.64
225.0	14.57	14.40	14.22	14.05	13.93	13.69	13.58	13.40	13.23
270.0	15.22	14.92	14.69	14.40	14.28	14.10	13.87	13.64	13.52
315.0	14.69	14.51	14.28	14.16	13.99	13.87	13.64	13.58	13.34
360.0	14.63	14.46	14.28	14.16	13.99	13.93	13.81	13.69	13.52

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	13.40	13.23	13.05	12.93	12.82	12.64	12.35	12.17	12.11
45.0	13.75	13.58	13.46	13.40	13.23	13.05	12.82	12.58	12.41
90.0	13.69	13.52	13.40	13.23	13.05	12.82	12.70	12.52	12.17
135.0	13.81	13.64	13.46	13.34	13.11	12.87	12.70	12.52	12.29
180.0	13.46	13.28	13.11	12.93	12.70	12.47	12.29	12.11	11.82
225.0	13.11	12.99	12.82	12.64	12.23	12.11	11.94	11.76	11.70
270.0	13.34	13.23	13.05	12.87	12.82	12.41	12.17	12.00	11.94
315.0	13.23	13.23	13.05	12.87	12.70	12.35	12.11	12.00	11.94
360.0	13.40	13.23	13.05	12.93	12.82	12.64	12.35	12.17	12.11

Intensity data(cd)

C/γ(°)	90.0
0.0	11.88
45.0	12.29
90.0	12.06
135.0	12.06
180.0	11.59
225.0	11.65
270.0	11.82
315.0	11.88
360.0	11.88