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

NT

Client: NT
LumCAT: 2-2882-L2
Luminaire: 92.70.411.00 LED HOLDER
Report No: 20250319-B004
Ballast type: AC

Test No: 20250319-C004	Voltage(V): 34.590
LampCAT: LUMILEDS LUXEON COB 1208	Current(A): 0.661
Lamp flux(lm): 3049.2	Power (W): 22.863
Number of Lamps: 1	PF: 0.000
Length(mm): 75	Width(mm): 75
Phm Type: C	Height(mm): 52

Photometric Results

Lumens(lm): 2909.77, Efficiency(%): 95.43% , Luminous Efficacy(lm/W): 127.27
Central intensity(cd): 8898.990, Maximum intensity(cd): 8973.313
Angle of maximum intensity: C=135.0 γ=2.0
Beam Angle(50%Imax): [C0/180]Total=28.5
[C90/270]Total=28.7
Field angle(10%Imax): [C0/180]Total=59.6
[C90/270]Total=59.5
Maximum s/h(1/2): C0_180=0.52 C90_270=0.48
Maximum s/h(1/4): C0_180=0.54 C90_270=0.51
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 95.39%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 98.360%

Equipment: GMS1980	Date: 2025/1/2	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	8903.672	0.000	0	0.00%	0.00%
1.0	8863.291	8.501	8.501	0.28%	0.29%
2.0	8758.902	25.293	33.794	0.83%	1.16%
3.0	8594.819	41.504	75.299	1.36%	2.59%
4.0	8373.019	56.797	132.095	1.86%	4.54%
5.0	8096.793	70.852	202.948	2.32%	6.97%
6.0	7779.820	83.436	286.383	2.74%	9.84%
7.0	7418.956	94.339	380.722	3.09%	13.08%
8.0	7046.314	103.525	484.247	3.40%	16.64%
9.0	6666.503	111.135	595.382	3.64%	20.46%
10.0	6249.896	116.889	712.271	3.83%	24.48%
11.0	5844.554	120.848	833.119	3.96%	28.63%
12.0	5434.312	123.294	956.413	4.04%	32.87%
13.0	5019.387	124.059	1080.472	4.07%	37.13%
14.0	4622.531	123.416	1203.888	4.05%	41.37%
15.0	4265.105	122.013	1325.902	4.00%	45.57%
16.0	3881.563	119.371	1445.273	3.91%	49.67%
17.0	3533.281	115.469	1560.742	3.79%	53.64%
18.0	3208.920	111.164	1671.906	3.65%	57.46%
19.0	2922.087	106.667	1778.573	3.50%	61.12%
20.0	2638.180	101.768	1880.342	3.34%	64.62%
21.0	2384.631	96.448	1976.79	3.16%	67.94%
22.0	2150.029	91.126	2067.916	2.99%	71.07%
23.0	1930.862	85.628	2153.544	2.81%	74.01%
24.0	1730.496	80.050	2233.594	2.63%	76.76%
25.0	1518.600	73.877	2307.472	2.42%	79.30%
26.0	1392.923	68.727	2376.199	2.25%	81.66%
27.0	1256.215	64.812	2441.01	2.13%	83.89%
28.0	1145.768	60.813	2501.823	1.99%	85.98%
29.0	1011.349	56.436	2558.26	1.85%	87.92%
30.0	870.442	50.808	2609.068	1.67%	89.67%
31.0	737.201	44.738	2653.806	1.47%	91.20%
32.0	611.136	38.628	2692.434	1.27%	92.53%
33.0	483.966	32.262	2724.696	1.06%	93.64%
34.0	376.505	26.040	2750.737	0.85%	94.53%
35.0	273.015	20.172	2770.908	0.66%	95.23%
36.0	214.661	15.528	2786.436	0.51%	95.76%
37.0	149.145	11.865	2798.301	0.39%	96.17%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	85.516	7.833	2806.134	0.26%	96.44%
39.0	57.228	4.872	2811.006	0.16%	96.61%
40.0	48.822	3.699	2814.705	0.12%	96.73%
41.0	43.629	3.292	2817.997	0.11%	96.85%
42.0	39.649	3.026	2821.023	0.10%	96.95%
43.0	36.496	2.821	2823.843	0.09%	97.05%
44.0	34.016	2.661	2826.505	0.09%	97.14%
45.0	32.019	2.538	2829.042	0.08%	97.23%
46.0	30.424	2.442	2831.484	0.08%	97.31%
47.0	29.005	2.364	2833.848	0.08%	97.39%
48.0	27.937	2.302	2836.15	0.08%	97.47%
49.0	26.920	2.253	2838.403	0.07%	97.55%
50.0	25.977	2.205	2840.608	0.07%	97.62%
51.0	25.099	2.161	2842.769	0.07%	97.70%
52.0	24.338	2.121	2844.891	0.07%	97.77%
53.0	23.643	2.087	2846.978	0.07%	97.84%
54.0	23.051	2.058	2849.036	0.07%	97.91%
55.0	22.443	2.031	2851.067	0.07%	97.98%
56.0	21.895	2.004	2853.07	0.07%	98.05%
57.0	21.390	1.979	2855.049	0.06%	98.12%
58.0	20.900	1.956	2857.005	0.06%	98.19%
59.0	20.454	1.933	2858.938	0.06%	98.25%
60.0	20.007	1.912	2860.85	0.06%	98.32%
61.0	19.598	1.890	2862.74	0.06%	98.38%
62.0	19.188	1.869	2864.609	0.06%	98.45%
63.0	18.778	1.847	2866.455	0.06%	98.51%
64.0	18.354	1.822	2868.277	0.06%	98.57%
65.0	17.974	1.798	2870.075	0.06%	98.64%
66.0	17.571	1.773	2871.848	0.06%	98.70%
67.0	17.220	1.749	2873.598	0.06%	98.76%
68.0	16.898	1.728	2875.326	0.06%	98.82%
69.0	16.613	1.710	2877.036	0.06%	98.87%
70.0	16.335	1.692	2878.728	0.06%	98.93%
71.0	16.086	1.676	2880.404	0.05%	98.99%
72.0	15.882	1.662	2882.066	0.05%	99.05%
73.0	15.618	1.647	2883.713	0.05%	99.10%
74.0	15.391	1.630	2885.343	0.05%	99.16%
75.0	15.157	1.614	2886.957	0.05%	99.22%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	14.923	1.597	2888.554	0.05%	99.27%
77.0	14.733	1.581	2890.135	0.05%	99.33%
78.0	14.565	1.568	2891.704	0.05%	99.38%
79.0	14.433	1.558	2893.262	0.05%	99.43%
80.0	14.301	1.549	2894.811	0.05%	99.49%
81.0	14.206	1.542	2896.353	0.05%	99.54%
82.0	14.111	1.536	2897.888	0.05%	99.59%
83.0	13.987	1.527	2899.416	0.05%	99.64%
84.0	13.884	1.518	2900.934	0.05%	99.70%
85.0	13.782	1.510	2902.444	0.05%	99.75%
86.0	13.614	1.497	2903.942	0.05%	99.80%
87.0	13.409	1.479	2905.42	0.05%	99.85%
88.0	13.277	1.462	2906.882	0.05%	99.90%
89.0	13.168	1.449	2908.332	0.05%	99.95%
90.0	13.080	1.439	2909.771	0.05%	100.00%

Zonal flux distribution table

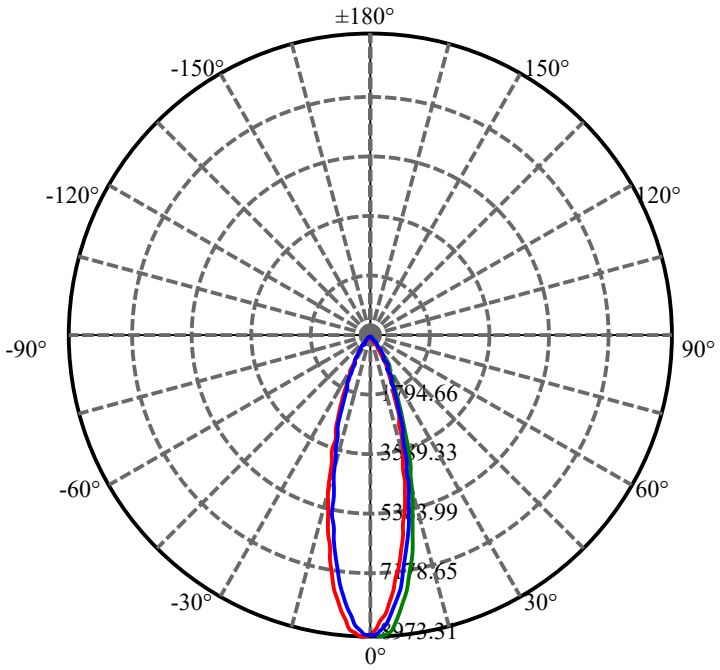
ZONAL LUMEN SUMMARY

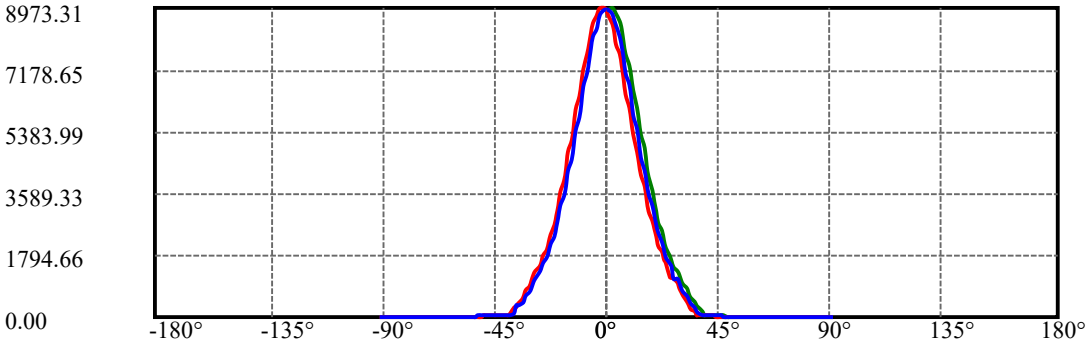
Zone	Lumens	%Lamp	%Fixt
0-30	2609.07	85.56%	89.67%
0-40	2814.70	92.31%	96.73%
0-60	2860.85	93.82%	98.32%
0-90	2908.33	95.38%	99.95%
0-120	2908.33	95.38%	99.95%
0-180	2909.77	95.43%	100.00%
60-90	47.48	1.56%	1.63%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-25.30	2327.82	76.34%	80.00%

ZONAL LUMEN SUMMARY

0-10	712.27
10-20	1168.07
20-30	728.73
30-40	205.64
40-50	25.90
50-60	20.24
60-70	17.88
70-80	16.08
80-90	13.52
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]





C135(Max):

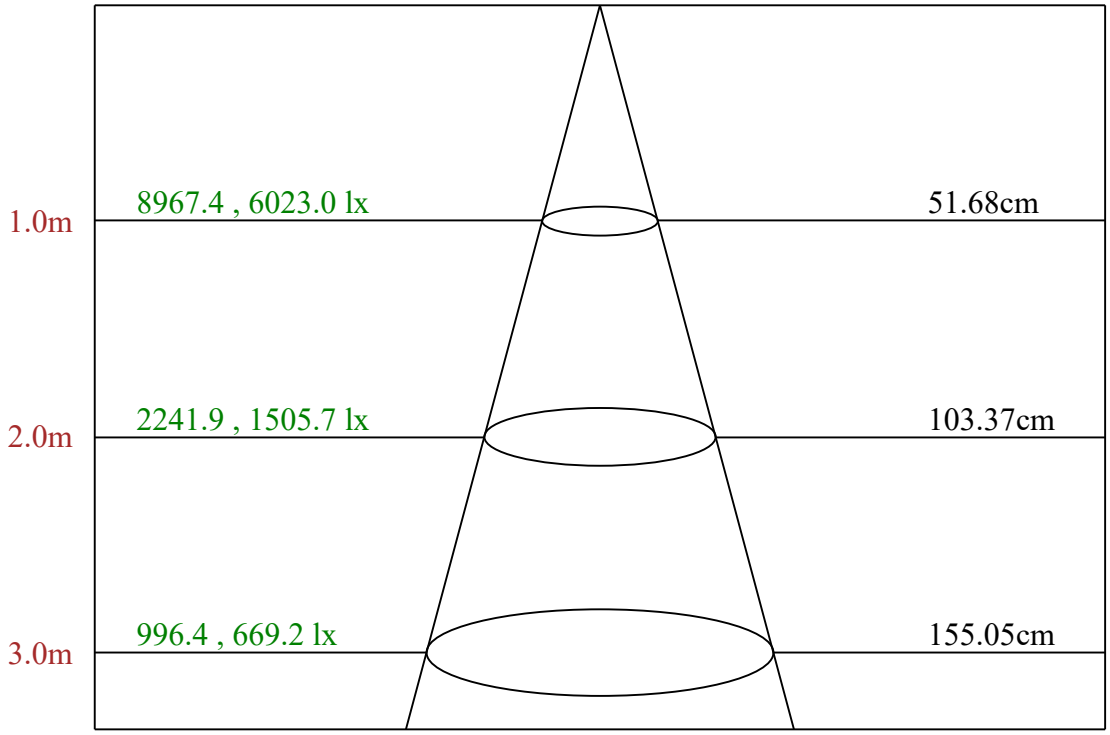
C0/C180:

C90/C270:

Field angle(10%Imax):C0/180Left:30.0 Right:29.6
:C90/270Left:29.7 Right:29.7

Beam Angle(50%Imax):C0/180Left:14.6 Right:13.9
:C90/270Left:14.3 Right:14.4

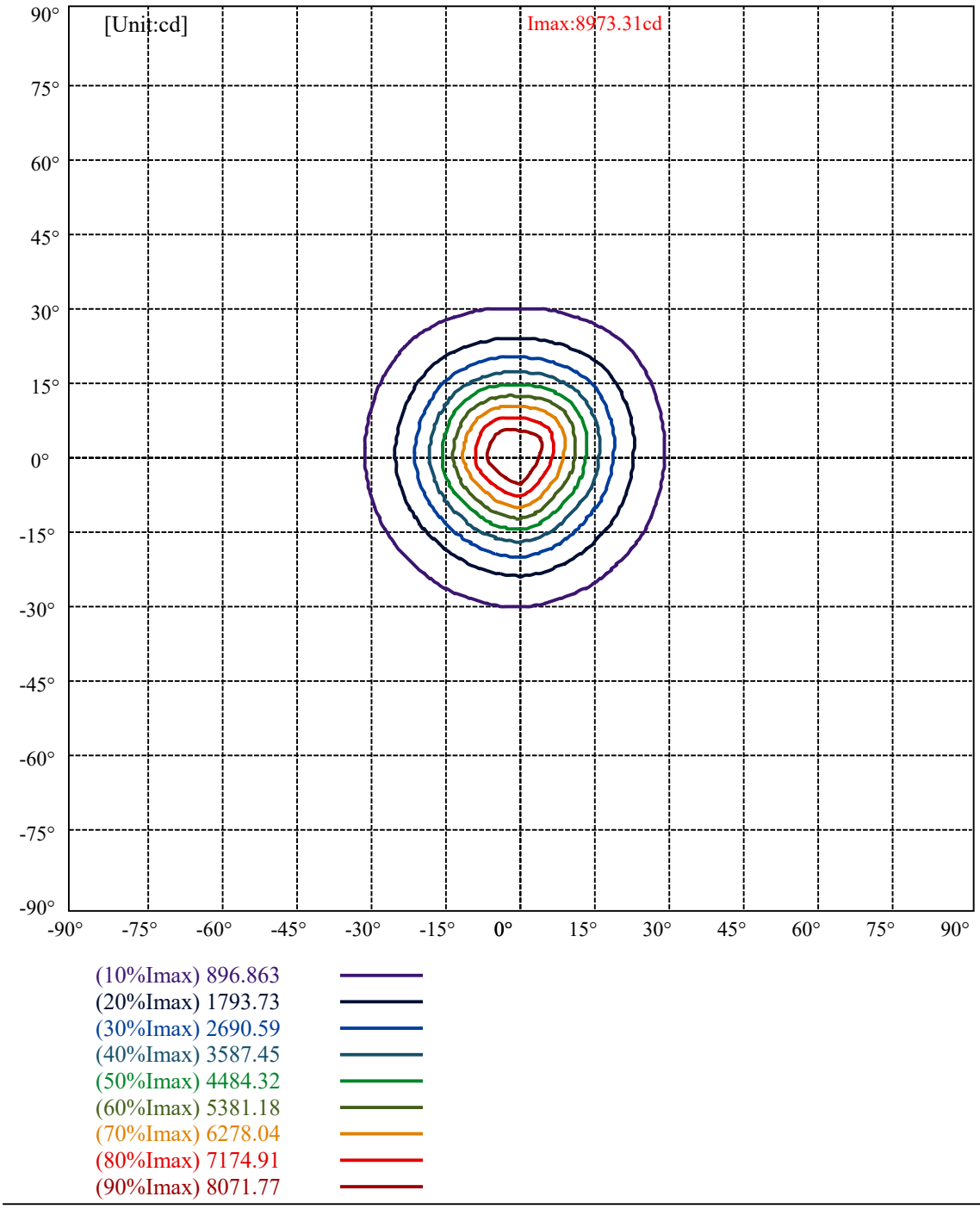
Lux distance Curve



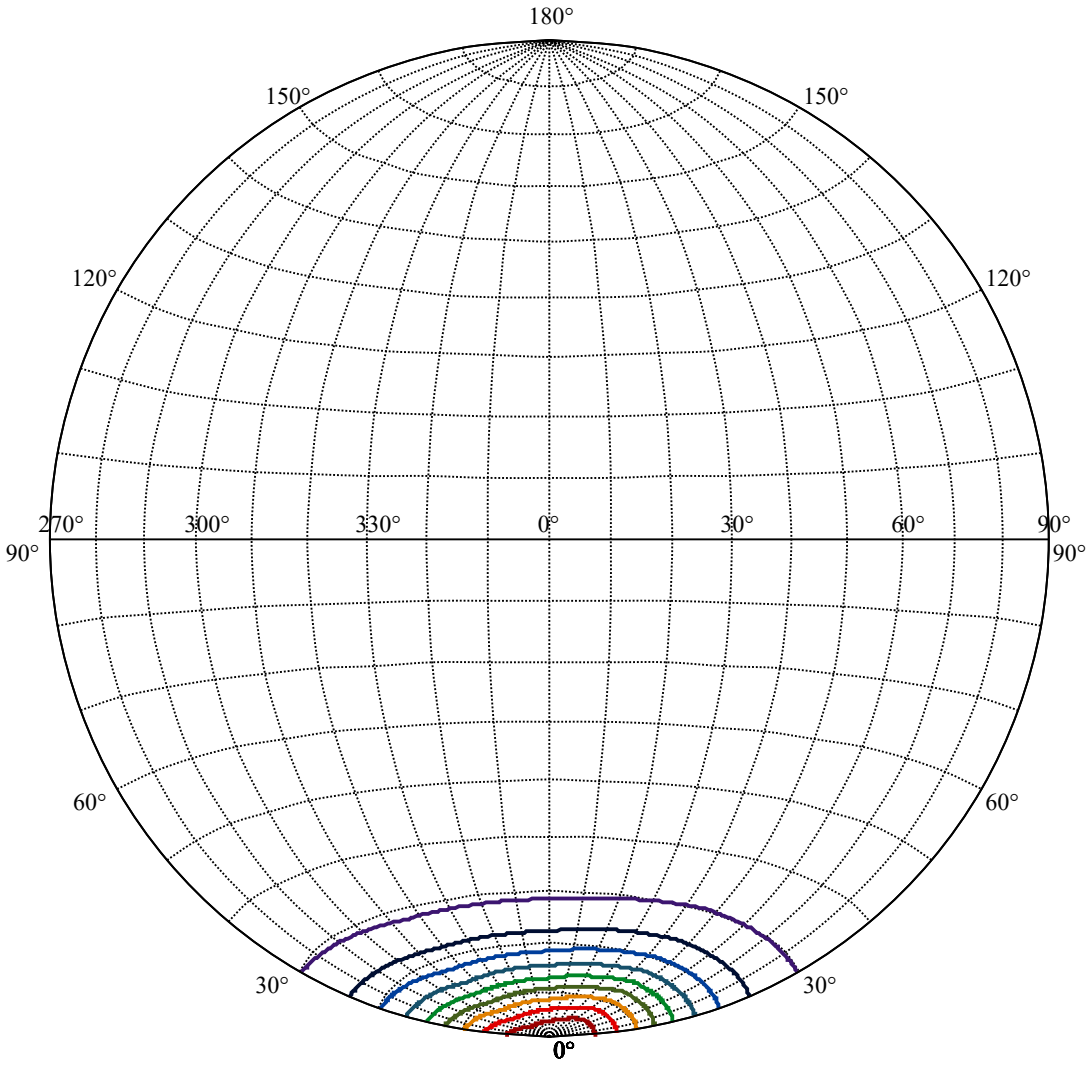
Max , Ave

Beam angle of C135 plane 28.98

Equipment: GMS1980	Date: 2025/1/2	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65


[Unit:cd]
Imax:8973.31cd
90°
75°
60°
45°
30°
15°
0°
-15°
-30°
-45°
-60°
-75°
-90°
-90° -75° -60° -45° -30° -15° 0° 15° 30° 45° 60° 75° 90°
(10%Imax) 896.863
(20%Imax) 1793.73
(30%Imax) 2690.59
(40%Imax) 3587.45
(50%Imax) 4484.32
(60%Imax) 5381.18
(70%Imax) 6278.04
(80%Imax) 7174.91
(90%Imax) 8071.77

ISO candela diagram on circular web



House [Unit:cd] Road

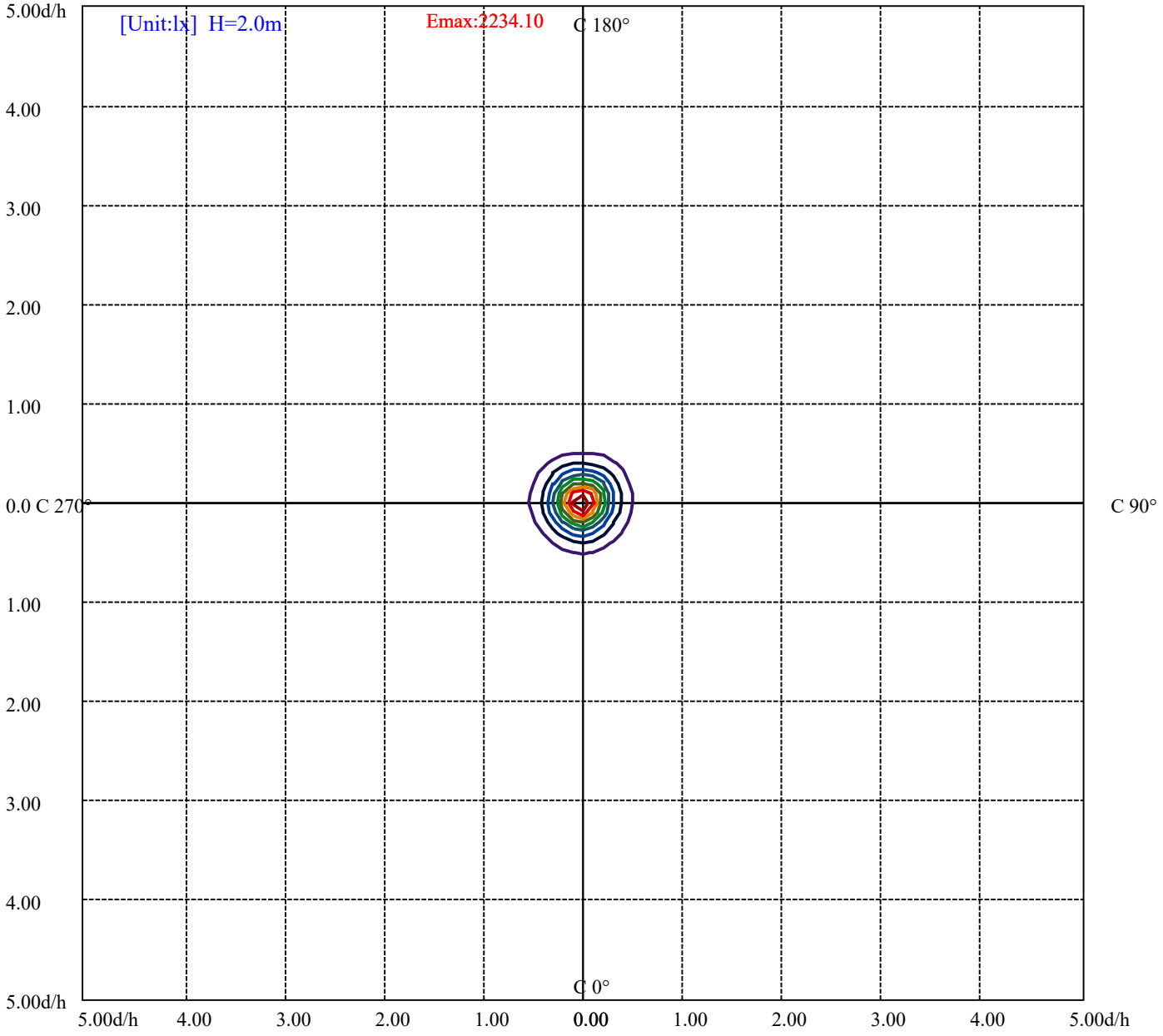
Imax:8973.31

(10%Imax) 897.15
(20%Imax) 1794.3
(30%Imax) 2691.45
(40%Imax) 3588.6
(50%Imax) 4485.75
(60%Imax) 5382.9
(70%Imax) 6280.05
(80%Imax) 7177.2
(90%Imax) 8074.35

Equipment: GMS1980 Date: 2025/1/2 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

NT NT 2-2882-L2

ISO illuminance diagram

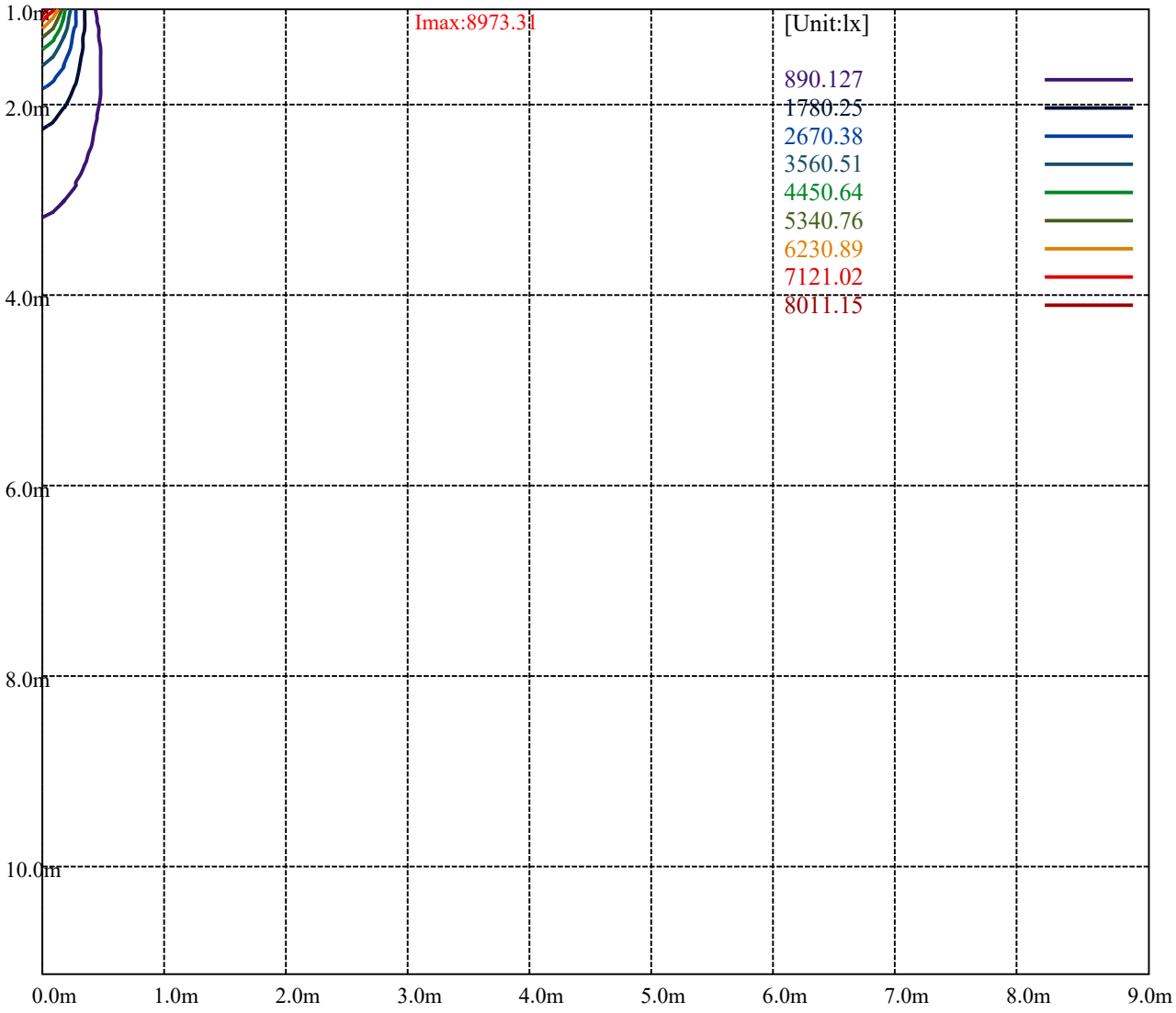


Equipment: GMS1980
Temperature(°C): 25.0

Date: 2025/1/2
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 25.0

Date: 2025/1/2
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

NT NT 2-2882-L2

Luminance Limitting Curve(no luminous side)

Luminance Table

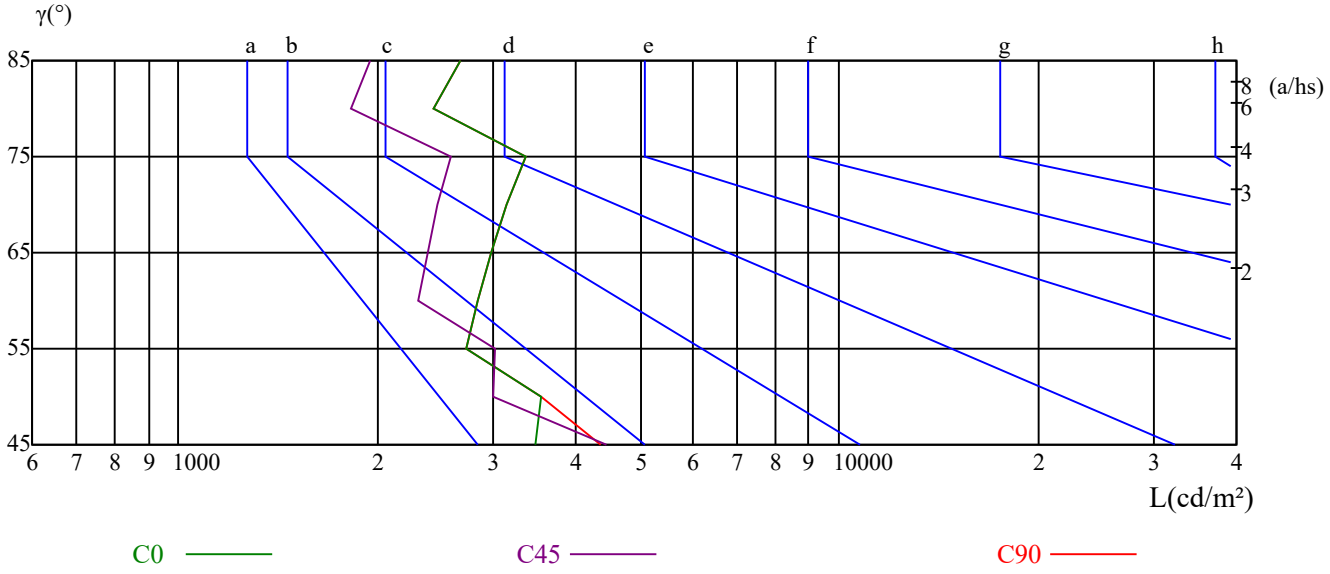
γ	45	50	55	60	65	70	75	80	85
C0	3476	3545	2734	2836	2970	3141	3361	2430	2675
C45	4457	2986	3023	2313	2380	2470	2588	1826	1956
C90	4345	3545	2734	2836	2970	3141	3361	2430	2675

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: 2025/1/2
Humidity(%): 60.0%

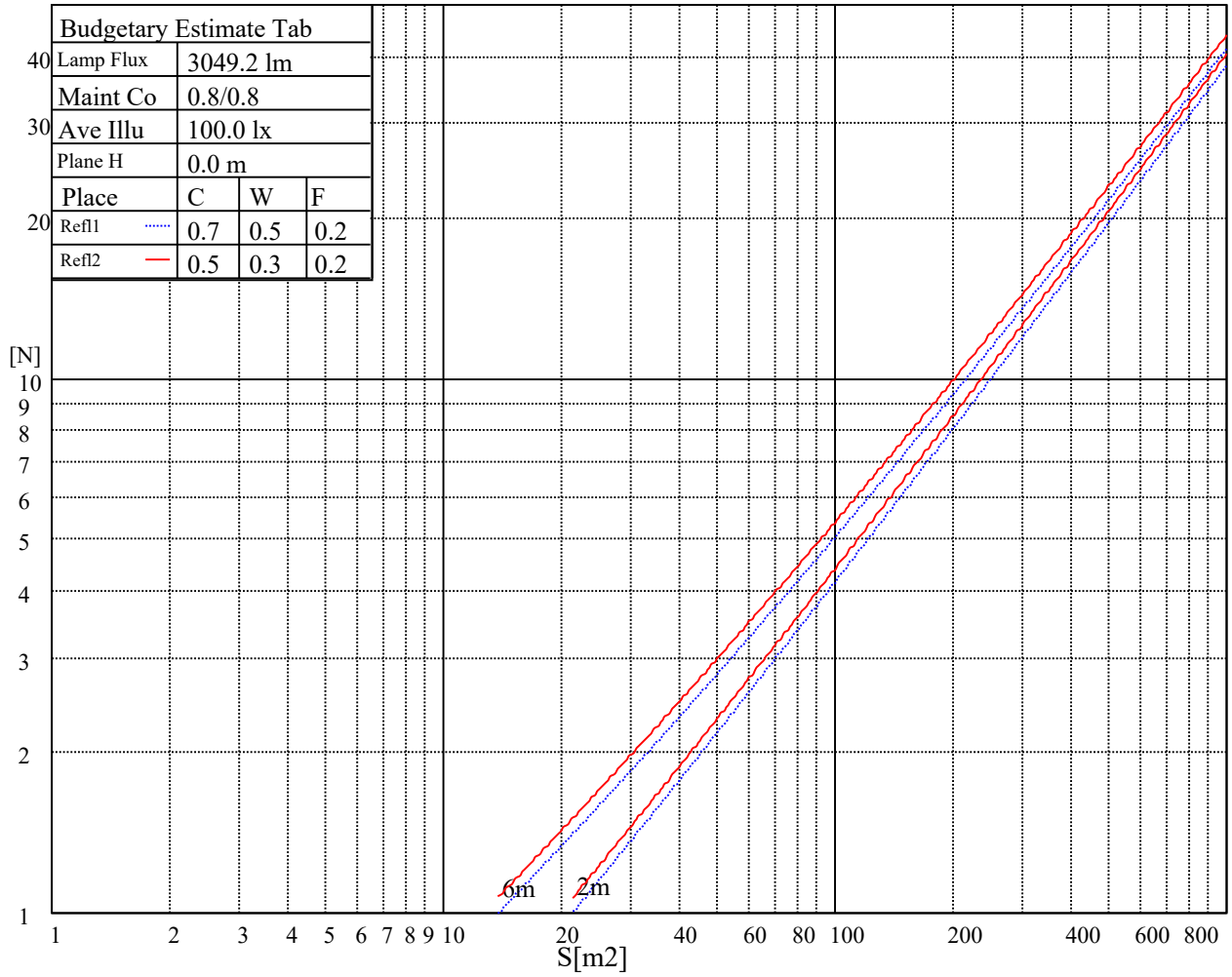
Operator: NT07
Distance(m): 7.65

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	11.69	12.62	12.05	12.93	13.25	12.97	13.90	13.33	14.21	14.52
	3H	12.02	12.84	12.40	13.18	13.53	13.13	13.96	13.52	14.29	14.64
	4H	12.31	13.08	12.72	13.44	13.80	13.32	14.09	13.72	14.44	14.81
	6H	12.76	13.46	13.18	13.84	14.24	13.65	14.35	14.07	14.73	15.13
	8H	13.02	13.69	13.45	14.08	14.49	13.84	14.51	14.26	14.89	15.30
	12H	13.33	13.96	13.75	14.35	14.77	14.06	14.69	14.49	15.09	15.51
4H	2H	11.57	12.34	11.98	12.69	13.06	12.79	13.55	13.19	13.91	14.27
	3H	12.08	12.72	12.50	13.12	13.54	13.08	13.72	13.50	14.12	14.53
	4H	12.59	13.14	13.02	13.57	14.02	13.45	14.01	13.89	14.43	14.88
	6H	13.21	13.70	13.68	14.16	14.61	13.93	14.42	14.40	14.87	15.33
	8H	13.62	14.08	14.11	14.54	15.01	14.26	14.71	14.74	15.17	15.65
	12H	14.09	14.51	14.58	14.96	15.49	14.64	15.06	15.13	15.51	16.04
8H	4H	12.69	13.15	13.18	13.61	14.08	13.49	13.94	13.98	14.40	14.88
	6H	13.52	13.89	14.03	14.37	14.88	14.14	14.52	14.65	15.00	15.51
	8H	14.13	14.44	14.66	14.96	15.46	14.66	14.97	15.19	15.49	15.99
	12H	14.77	15.01	15.32	15.53	16.05	15.21	15.45	15.75	15.96	16.49
12H	4H	12.72	13.14	13.21	13.59	14.11	13.50	13.92	13.99	14.37	14.89
	6H	13.65	13.96	14.19	14.48	14.98	14.25	14.56	14.78	15.08	15.58
	8H	14.29	14.53	14.84	15.05	15.57	14.79	15.03	15.34	15.55	16.07

Variation with the observer position at spacings:		
S = 1.0H	5.2/-4.0	4.6/-3.4
S = 1.5H	7.0/-3.1	6.1/-2.6
S = 2.0H	8.3/-2.5	7.3/-2.0
Standard tables:	BK3	BK4
Uncorrected UGR	-3.5	-3.8

UGR calculation is based on CIE Publ. 117 ,S/H = 0.25

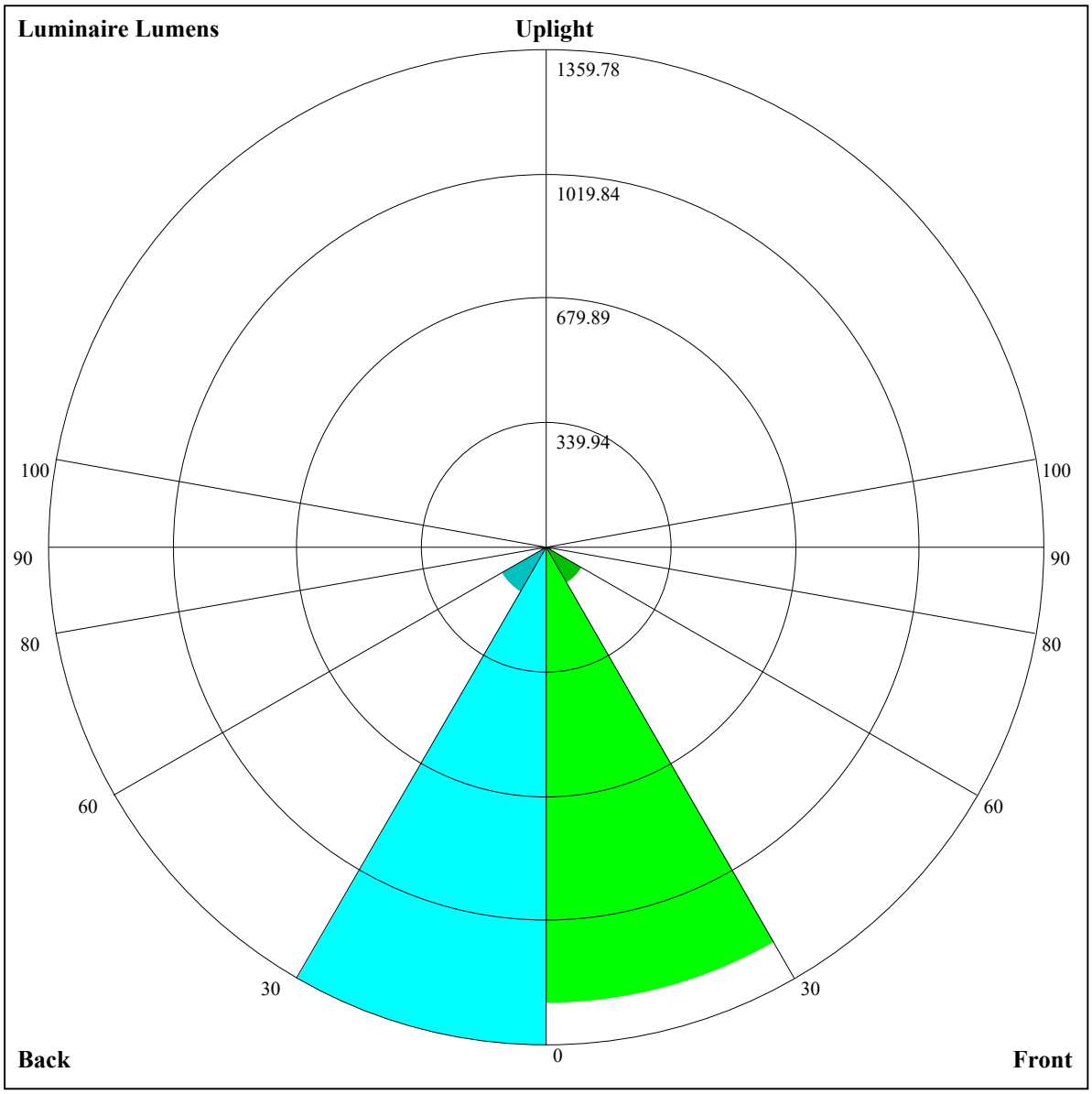
Budgetary Estimate Table



Equipment: GMS1980 Date: 2025/1/2 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	1.01	1.01	1.01	0.97	0.97	0.97	0.95
1	1.07	1.04	1.03	1.05	1.03	1.01	1.01	0.99	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.91
2	1.01	0.97	0.95	0.99	0.96	0.94	0.96	0.94	0.91	0.93	0.91	0.90	0.91	0.89	0.88	0.86
3	0.95	0.91	0.88	0.94	0.91	0.88	0.92	0.89	0.86	0.90	0.87	0.85	0.87	0.85	0.84	0.82
4	0.91	0.87	0.83	0.90	0.86	0.83	0.88	0.84	0.82	0.86	0.83	0.81	0.84	0.82	0.80	0.79
5	0.87	0.82	0.79	0.86	0.82	0.79	0.84	0.81	0.78	0.83	0.80	0.77	0.81	0.79	0.77	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	0.79	0.76	0.73	0.72
7	0.80	0.75	0.72	0.79	0.75	0.72	0.78	0.74	0.71	0.77	0.73	0.71	0.76	0.73	0.71	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	0.72	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	0.66	0.64	0.70	0.66	0.63	0.69	0.66	0.63	0.69	0.65	0.63	0.62



Luminaire Lumens:
FL=1245.65,FM=113.19,FH=16.78,FVH=7.48
BL=1359.78,BM=140.91,BH=17.15,BVH=7.49
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	8898.99	8727.52	8527.96	8288.01	7939.22	7628.47	7280.26	6913.32	6438.70
45.0	8938.79	8922.98	8841.05	8670.17	8471.78	8227.15	7948.58	7566.43	7232.27
90.0	8941.13	8898.40	8801.84	8650.85	8447.78	8129.42	7846.17	7528.98	7094.16
135.0	8835.79	8937.61	8973.31	8928.84	8813.55	8580.04	8337.76	7980.77	7661.24
180.0	8898.99	8968.63	8965.12	8890.21	8753.27	8501.62	8249.39	7942.15	7627.88
225.0	8938.79	8877.34	8767.90	8551.95	8334.25	8069.14	7692.84	7355.17	6992.33
270.0	8941.13	8898.40	8795.41	8641.49	8381.07	8119.47	7829.78	7399.64	7053.19
315.0	8835.79	8675.43	8398.62	8137.03	7843.24	7519.03	7053.78	6665.19	6270.74
360.0	8898.99	8727.52	8527.96	8288.01	7939.22	7628.47	7280.26	6913.32	6438.70

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	6053.04	5666.21	5285.23	4815.88	4461.81	4128.82	3810.46	3422.45	3065.47
45.0	6877.04	6513.61	6046.60	5669.13	5293.42	4828.16	4464.74	4113.02	3699.27
90.0	6721.95	6338.05	5848.21	5454.36	5070.45	4608.71	4252.30	3905.85	3578.71
135.0	7320.05	6955.46	6570.38	6071.18	5671.47	5278.79	4894.30	4429.04	4074.39
180.0	7187.79	6809.74	6430.51	6020.85	5512.29	5124.29	4769.64	4313.17	3960.86
225.0	6616.61	6134.97	5750.48	5368.33	4992.03	4539.06	4180.91	3842.65	3441.77
270.0	6684.50	6197.59	5817.78	5430.36	4938.77	4578.27	4240.01	3809.29	3504.97
315.0	5871.04	5383.54	5007.24	4644.40	4214.85	3894.15	3508.48	3217.04	2940.81
360.0	6053.04	5666.21	5285.23	4815.88	4461.81	4128.82	3810.46	3422.45	3065.47

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2803.29	2555.74	2327.50	2064.73	1868.10	1689.02	1534.52	1158.22	1158.22
45.0	3392.02	3105.85	2769.34	2518.87	2288.87	2074.10	1824.79	1647.47	1505.26
90.0	3210.60	2933.79	2668.10	2424.65	2147.25	1940.08	1705.40	1547.39	1425.08
135.0	3660.06	3352.23	3066.64	2731.89	2483.75	2256.10	1994.51	1801.38	1625.81
180.0	3632.55	3247.47	2960.13	2694.43	2393.63	2175.93	1970.51	1778.56	1574.31
225.0	3145.06	2868.25	2541.69	2308.19	2088.73	1838.84	1657.42	1514.62	1306.28
270.0	3207.09	2925.60	2597.87	2363.20	2144.91	1894.43	1709.50	1556.76	1404.01
315.0	2620.70	2387.78	2174.17	1971.10	1784.99	1578.41	1447.32	1144.41	1144.41
360.0	2803.29	2555.74	2327.50	2064.73	1868.10	1689.02	1534.52	1158.22	1158.22

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1126.62	991.37	830.32	706.07	586.63	445.88	341.95	245.44	142.27
45.0	1385.29	1221.42	1084.48	954.56	796.55	675.41	533.20	426.69	324.86
90.0	1142.13	1142.13	1009.16	848.75	726.26	608.52	493.75	385.14	261.48
135.0	1476.58	1330.27	1212.64	1086.24	953.98	827.57	674.82	558.95	422.01
180.0	1443.81	1333.79	1203.87	1035.91	900.13	770.21	616.89	503.35	370.51
225.0	1138.73	1103.56	969.83	839.21	684.01	565.74	455.54	329.07	238.19
270.0	1288.14	1127.79	994.36	861.51	735.69	616.30	472.92	366.41	316.67
315.0	1048.43	915.82	786.13	631.28	514.35	379.46	282.66	196.99	108.15
360.0	1126.62	991.37	830.32	706.07	586.63	445.88	341.95	245.44	142.27

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	82.75	55.89	46.99	40.03	36.40	33.53	30.43	28.21	26.80
45.0	300.28	190.96	82.22	67.07	58.46	49.51	44.95	40.97	37.40
90.0	177.15	111.49	72.68	58.52	50.68	44.71	40.03	36.58	32.95
135.0	320.18	296.18	187.62	72.33	52.14	44.59	38.68	35.58	33.47
180.0	296.18	296.18	113.30	61.86	51.97	46.06	41.26	38.10	35.70
225.0	160.29	89.48	67.30	58.58	51.68	47.70	44.30	40.44	37.75
270.0	316.67	101.54	67.94	59.22	51.50	47.29	43.95	40.20	37.45
315.0	63.79	51.44	46.06	40.20	37.75	35.64	33.59	31.89	30.61
360.0	82.75	55.89	46.99	40.03	36.40	33.53	30.43	28.21	26.80

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	25.63	24.40	23.53	22.65	22.06	21.54	20.95	20.60	20.25
45.0	33.59	31.54	29.38	27.92	26.63	25.34	24.40	23.58	22.77
90.0	30.78	29.09	27.15	25.93	24.87	23.82	22.82	22.12	21.48
135.0	31.13	29.38	28.27	27.33	26.22	25.46	24.70	23.94	23.35
180.0	33.71	32.13	30.67	29.67	28.56	27.68	26.63	25.81	25.11
225.0	35.99	34.41	32.71	31.54	30.43	29.32	28.15	27.27	26.22
270.0	35.70	33.83	32.54	31.37	30.31	29.03	28.09	27.10	26.22
315.0	29.61	28.62	27.80	27.10	26.28	25.63	25.05	24.29	23.76
360.0	25.63	24.40	23.53	22.65	22.06	21.54	20.95	20.60	20.25

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	19.84	19.55	19.25	18.96	18.67	18.38	18.20	17.91	17.62
45.0	22.18	21.59	21.07	20.54	20.19	19.84	19.55	19.20	18.96
90.0	20.89	20.25	19.84	19.37	18.84	18.55	18.08	17.79	17.50
135.0	22.82	22.18	21.77	21.36	20.89	20.54	20.19	19.84	19.49
180.0	24.46	23.70	23.12	22.59	22.00	21.42	20.95	20.48	20.07
225.0	25.52	24.81	23.94	23.35	22.71	22.12	21.42	20.89	20.37
270.0	25.34	24.58	23.94	23.17	22.59	21.95	21.42	20.89	20.25
315.0	23.35	22.88	22.24	21.77	21.30	20.83	20.25	19.78	19.25
360.0	19.84	19.55	19.25	18.96	18.67	18.38	18.20	17.91	17.62

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	17.38	17.15	16.85	16.62	16.39	16.21	16.04	15.86	15.63
45.0	18.67	18.32	17.97	17.67	17.38	17.09	16.85	16.56	16.27
90.0	17.26	16.91	16.74	16.44	16.33	16.04	15.86	15.74	15.51
135.0	19.14	18.84	18.55	18.08	17.73	17.38	16.97	16.62	16.33
180.0	19.61	19.14	18.73	18.20	17.73	17.26	16.91	16.56	16.27
225.0	19.84	19.20	18.67	18.20	17.62	17.26	16.85	16.50	16.27
270.0	19.66	19.14	18.61	18.08	17.62	17.26	16.97	16.62	16.39
315.0	18.67	18.14	17.67	17.26	16.97	16.68	16.44	16.21	16.04
360.0	17.38	17.15	16.85	16.62	16.39	16.21	16.04	15.86	15.63

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	15.51	15.33	15.10	14.86	14.69	14.57	14.46	14.28	14.22
45.0	16.04	15.80	15.51	15.27	15.04	14.81	14.63	14.51	14.40
90.0	15.45	15.33	15.16	15.04	14.86	14.69	14.57	14.51	14.34
135.0	16.09	15.86	15.63	15.39	15.10	14.92	14.57	14.40	14.22
180.0	16.04	15.74	15.57	15.27	14.98	14.69	14.46	14.34	14.22
225.0	16.04	15.68	15.45	15.16	14.98	14.75	14.63	14.51	14.40
270.0	16.15	15.86	15.63	15.39	15.10	14.92	14.81	14.63	14.46
315.0	15.74	15.33	15.10	14.86	14.63	14.51	14.40	14.28	14.16
360.0	15.51	15.33	15.10	14.86	14.69	14.57	14.46	14.28	14.22

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	14.16	14.10	13.99	13.93	13.87	13.64	13.46	13.28	13.11
45.0	14.28	14.16	14.05	13.93	13.81	13.69	13.46	13.23	13.17
90.0	14.28	14.16	14.05	13.87	13.75	13.52	13.28	13.28	13.23
135.0	14.16	14.10	13.99	13.87	13.81	13.69	13.46	13.40	13.28
180.0	14.10	14.05	13.87	13.87	13.81	13.64	13.46	13.34	13.28
225.0	14.22	14.10	13.93	13.81	13.69	13.46	13.34	13.28	13.05
270.0	14.40	14.22	14.10	13.99	13.87	13.69	13.46	13.28	13.11
315.0	14.05	13.99	13.93	13.81	13.64	13.58	13.34	13.11	13.11
360.0	14.16	14.10	13.99	13.93	13.87	13.64	13.46	13.28	13.11

Intensity data(cd)

C/γ(°)	90.0
0.0	13.11
45.0	12.99
90.0	12.99
135.0	13.23
180.0	13.23
225.0	12.99
270.0	13.05
315.0	13.05
360.0	13.11