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

NT

Client: NT
LumCAT: 3-2957-LM
Luminaire: 92.70.411.00
Report No: 20250413-B008
Ballast type: AC

Test No: 20250413-C008	Voltage(V): 35.490
LampCAT: LUMILEDS LUXEON 1208	Current(A): 0.895
Lamp flux(lm): 3860.0	Power (W): 31.760
Number of Lamps: 1	PF: 0.000
Length(mm): 85	Width(mm): 85
Phm Type: C	Height(mm): 52

Photometric Results

Lumens(lm): 3684.66, Efficiency(%): 95.46% , Luminous Efficacy(lm/W): 116.02
Central intensity(cd): 24940.410, Maximum intensity(cd): 24983.040
Angle of maximum intensity: C=45.0 γ=1.0
Beam Angle(50%Imax): [C0/180]Total=16.5
[C90/270]Total=16.4
Field angle(10%Imax): [C0/180]Total=36.6
[C90/270]Total=36.3
Maximum s/h(1/2): C0_180=0.31 C90_270=0.25
Maximum s/h(1/4): C0_180=0.30 C90_270=0.27
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 95.43%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 99.839%

Equipment: GMS 1800	Date: 2025/5/13	Operator: NT
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.30

NT NT 3-2957-LM

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	24824.508	0.000	0	0.00%	0.00%
1.0	24669.967	23.682	23.682	0.61%	0.64%
2.0	24071.119	69.958	93.64	1.81%	2.54%
3.0	23179.178	113.007	206.647	2.93%	5.61%
4.0	22027.447	151.321	357.968	3.92%	9.72%
5.0	20287.529	182.037	540.005	4.72%	14.66%
6.0	18468.342	203.672	743.677	5.28%	20.18%
7.0	15437.940	210.456	954.133	5.45%	25.89%
8.0	12503.593	199.972	1154.105	5.18%	31.32%
9.0	10921.546	189.848	1343.953	4.92%	36.47%
10.0	8918.974	179.549	1523.503	4.65%	41.35%
11.0	7294.628	162.007	1685.51	4.20%	45.74%
12.0	5919.680	144.451	1829.961	3.74%	49.66%
13.0	4976.313	129.308	1959.269	3.35%	53.17%
14.0	4150.252	116.819	2076.089	3.03%	56.34%
15.0	3572.122	106.016	2182.105	2.75%	59.22%
16.0	3092.579	97.657	2279.761	2.53%	61.87%
17.0	2708.558	90.339	2370.101	2.34%	64.32%
18.0	2513.982	86.108	2456.209	2.23%	66.66%
19.0	2327.601	84.234	2540.443	2.18%	68.95%
20.0	1968.160	78.624	2619.067	2.04%	71.08%
21.0	1808.023	72.510	2691.577	1.88%	73.05%
22.0	1683.125	70.156	2761.733	1.82%	74.95%
23.0	1584.272	68.559	2830.292	1.78%	76.81%
24.0	1504.803	67.538	2897.83	1.75%	78.65%
25.0	1441.788	66.999	2964.829	1.74%	80.46%
26.0	1385.367	66.735	3031.565	1.73%	82.28%
27.0	1340.936	66.700	3098.264	1.73%	84.09%
28.0	1298.837	66.833	3165.098	1.73%	85.90%
29.0	1261.001	66.973	3232.07	1.74%	87.72%
30.0	1153.242	65.184	3297.254	1.69%	89.49%
31.0	1086.497	62.329	3359.583	1.61%	91.18%
32.0	1002.611	59.850	3419.434	1.55%	92.80%
33.0	884.261	55.588	3475.022	1.44%	94.31%
34.0	736.021	49.035	3524.056	1.27%	95.64%
35.0	596.422	41.381	3565.437	1.07%	96.76%
36.0	458.507	33.589	3599.026	0.87%	97.68%
37.0	308.083	25.002	3624.028	0.65%	98.35%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	226.476	17.843	3641.871	0.46%	98.84%
39.0	170.068	13.535	3655.406	0.35%	99.21%
40.0	45.590	7.521	3662.927	0.19%	99.41%
41.0	24.067	2.480	3665.408	0.06%	99.48%
42.0	18.105	1.532	3666.94	0.04%	99.52%
43.0	14.748	1.217	3668.157	0.03%	99.55%
44.0	12.437	1.026	3669.183	0.03%	99.58%
45.0	10.571	0.884	3670.067	0.02%	99.60%
46.0	9.552	0.787	3670.854	0.02%	99.63%
47.0	8.546	0.720	3671.574	0.02%	99.64%
48.0	7.594	0.652	3672.226	0.02%	99.66%
49.0	6.661	0.585	3672.812	0.02%	99.68%
50.0	6.028	0.529	3673.341	0.01%	99.69%
51.0	5.542	0.490	3673.83	0.01%	99.71%
52.0	5.249	0.463	3674.293	0.01%	99.72%
53.0	4.989	0.445	3674.739	0.01%	99.73%
54.0	4.849	0.434	3675.172	0.01%	99.74%
55.0	4.690	0.426	3675.598	0.01%	99.75%
56.0	4.563	0.418	3676.016	0.01%	99.77%
57.0	4.390	0.409	3676.426	0.01%	99.78%
58.0	4.277	0.401	3676.826	0.01%	99.79%
59.0	4.130	0.393	3677.219	0.01%	99.80%
60.0	4.037	0.386	3677.605	0.01%	99.81%
61.0	3.930	0.380	3677.986	0.01%	99.82%
62.0	3.957	0.380	3678.366	0.01%	99.83%
63.0	4.303	0.402	3678.767	0.01%	99.84%
64.0	4.896	0.451	3679.219	0.01%	99.85%
65.0	5.389	0.509	3679.728	0.01%	99.87%
66.0	5.229	0.530	3680.257	0.01%	99.88%
67.0	4.430	0.486	3680.743	0.01%	99.89%
68.0	3.291	0.391	3681.134	0.01%	99.90%
69.0	2.518	0.296	3681.431	0.01%	99.91%
70.0	2.185	0.242	3681.672	0.01%	99.92%
71.0	2.052	0.219	3681.891	0.01%	99.92%
72.0	1.978	0.210	3682.101	0.01%	99.93%
73.0	1.918	0.204	3682.304	0.01%	99.94%
74.0	1.872	0.199	3682.504	0.01%	99.94%
75.0	1.819	0.195	3682.699	0.01%	99.95%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	1.759	0.190	3682.888	0.00%	99.95%
77.0	1.605	0.179	3683.068	0.00%	99.96%
78.0	1.479	0.165	3683.233	0.00%	99.96%
79.0	1.379	0.154	3683.386	0.00%	99.97%
80.0	1.319	0.145	3683.532	0.00%	99.97%
81.0	1.246	0.139	3683.671	0.00%	99.97%
82.0	1.212	0.133	3683.804	0.00%	99.98%
83.0	1.146	0.128	3683.932	0.00%	99.98%
84.0	1.132	0.124	3684.056	0.00%	99.98%
85.0	1.072	0.120	3684.177	0.00%	99.99%
86.0	0.993	0.113	3684.289	0.00%	99.99%
87.0	0.899	0.104	3684.393	0.00%	99.99%
88.0	0.846	0.096	3684.489	0.00%	100.00%
89.0	0.773	0.089	3684.577	0.00%	100.00%
90.0	0.699	0.081	3684.658	0.00%	100.00%

Zonal flux distribution table

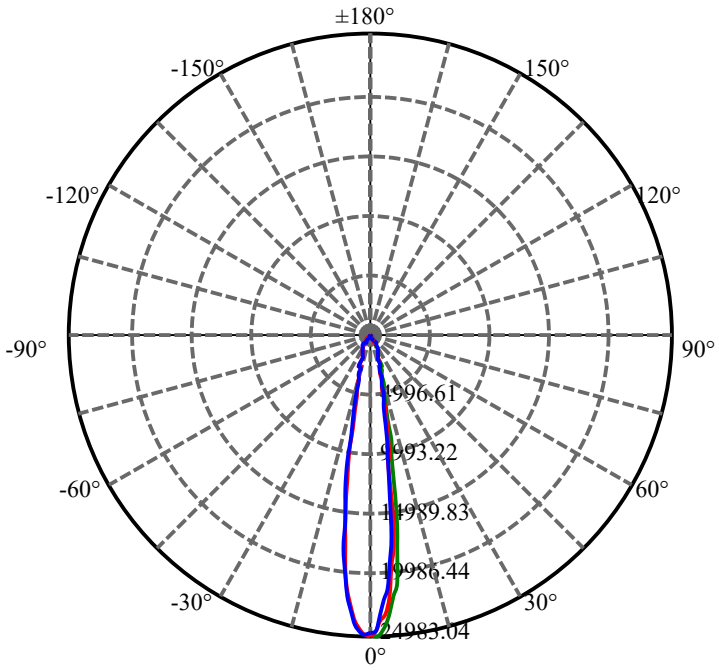
ZONAL LUMEN SUMMARY

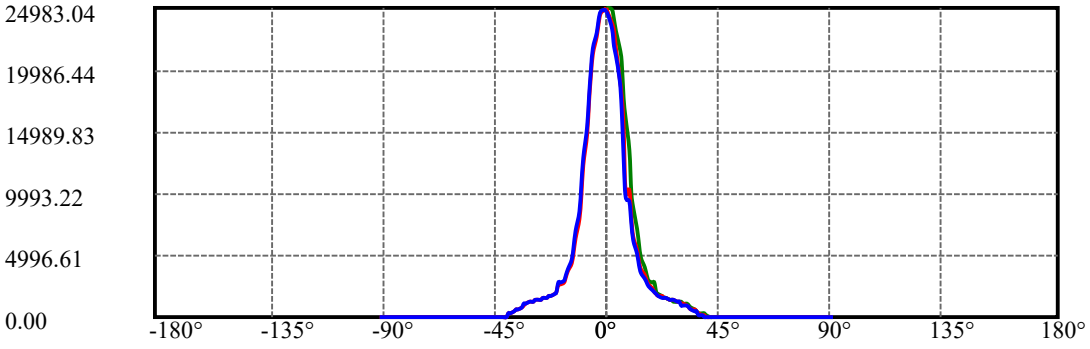
Zone	Lumens	%Lamp	%Fixt
0-30	3297.25	85.42%	89.49%
0-40	3662.93	94.89%	99.41%
0-60	3677.61	95.27%	99.81%
0-90	3684.58	95.45%	100.00%
0-120	3684.58	95.45%	100.00%
0-180	3684.66	95.46%	100.00%
60-90	6.97	0.18%	0.19%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-24.74	2947.73	76.37%	80.00%

ZONAL LUMEN SUMMARY

0-10	1523.50
10-20	1095.56
20-30	678.19
30-40	365.67
40-50	10.41
50-60	4.26
60-70	4.07
70-80	1.86
80-90	1.05
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]





C45(Max):

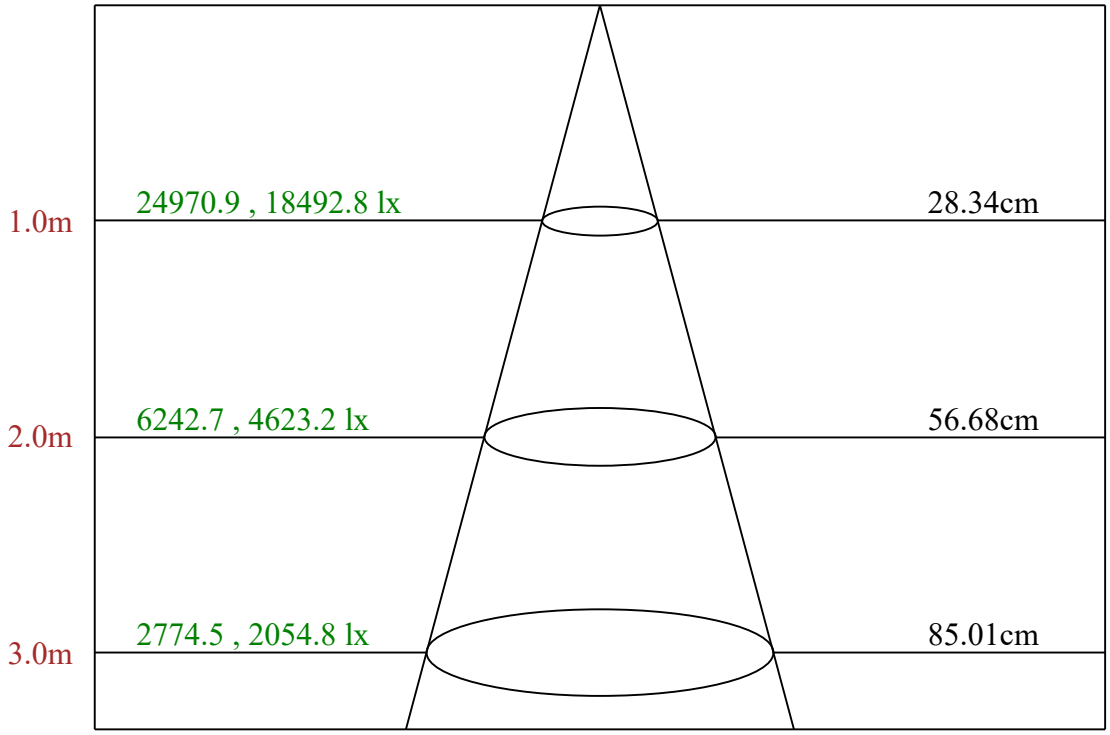
C0/C180:

C90/C270:

Field angle(10%Imax):C0/180Left:19.3 Right:17.3
:C90/270Left:18.4 Right:17.9

Beam Angle(50%Imax):C0/180Left:8.9 Right:7.6
:C90/270Left:8.2 Right:8.2

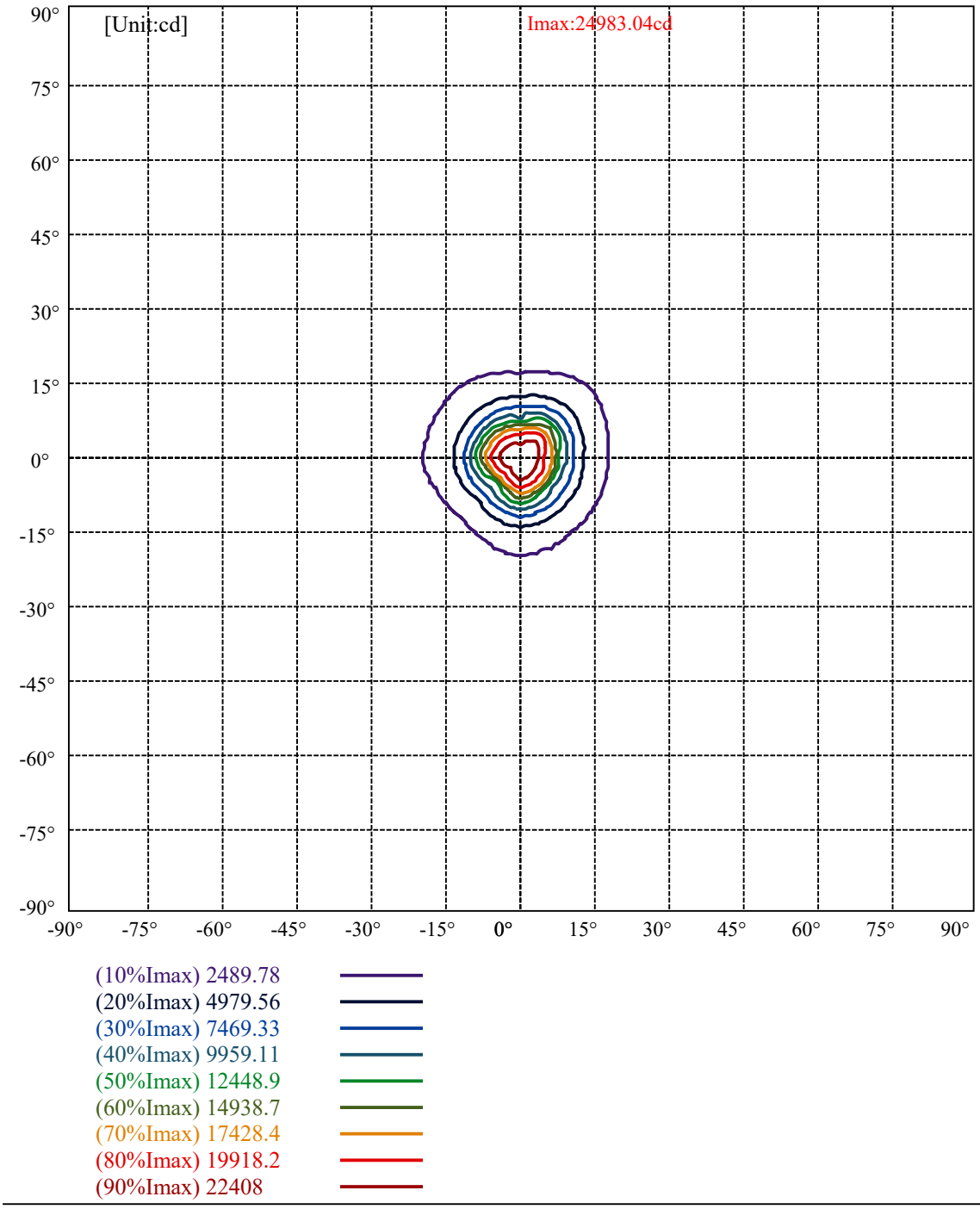
Lux distance Curve



Max , Ave

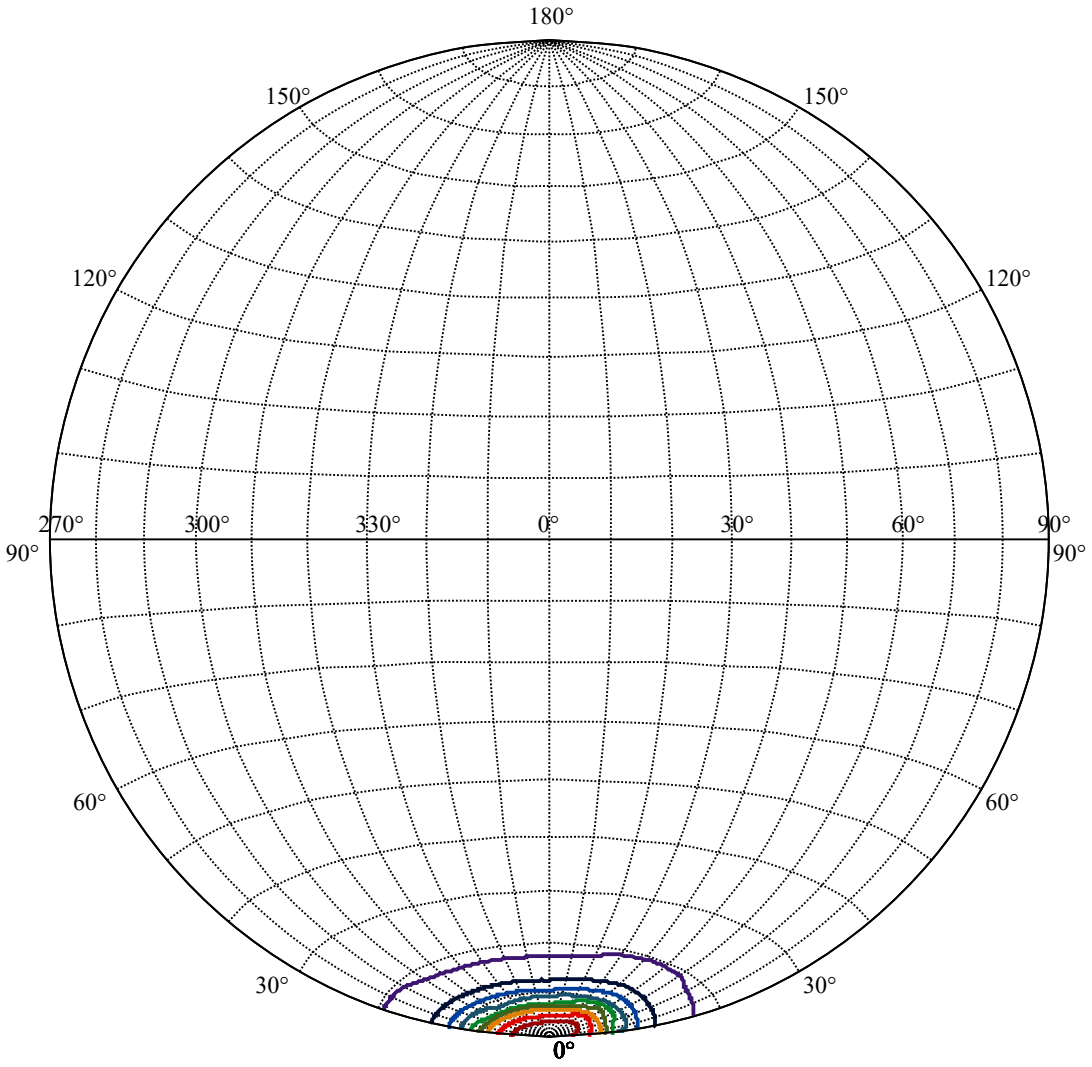
Beam angle of C45 plane 16.13

Equipment: GMS 1800	Date: 2025/5/13	Operator: NT
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.30



Equipment: GMS 1800
Temperature(°C): 25.0
Date: 2025/5/13
Humidity(%): 60.0%
Operator: NT
Distance(m): 7.30

ISO candela diagram on circular web



[Unit:cd]

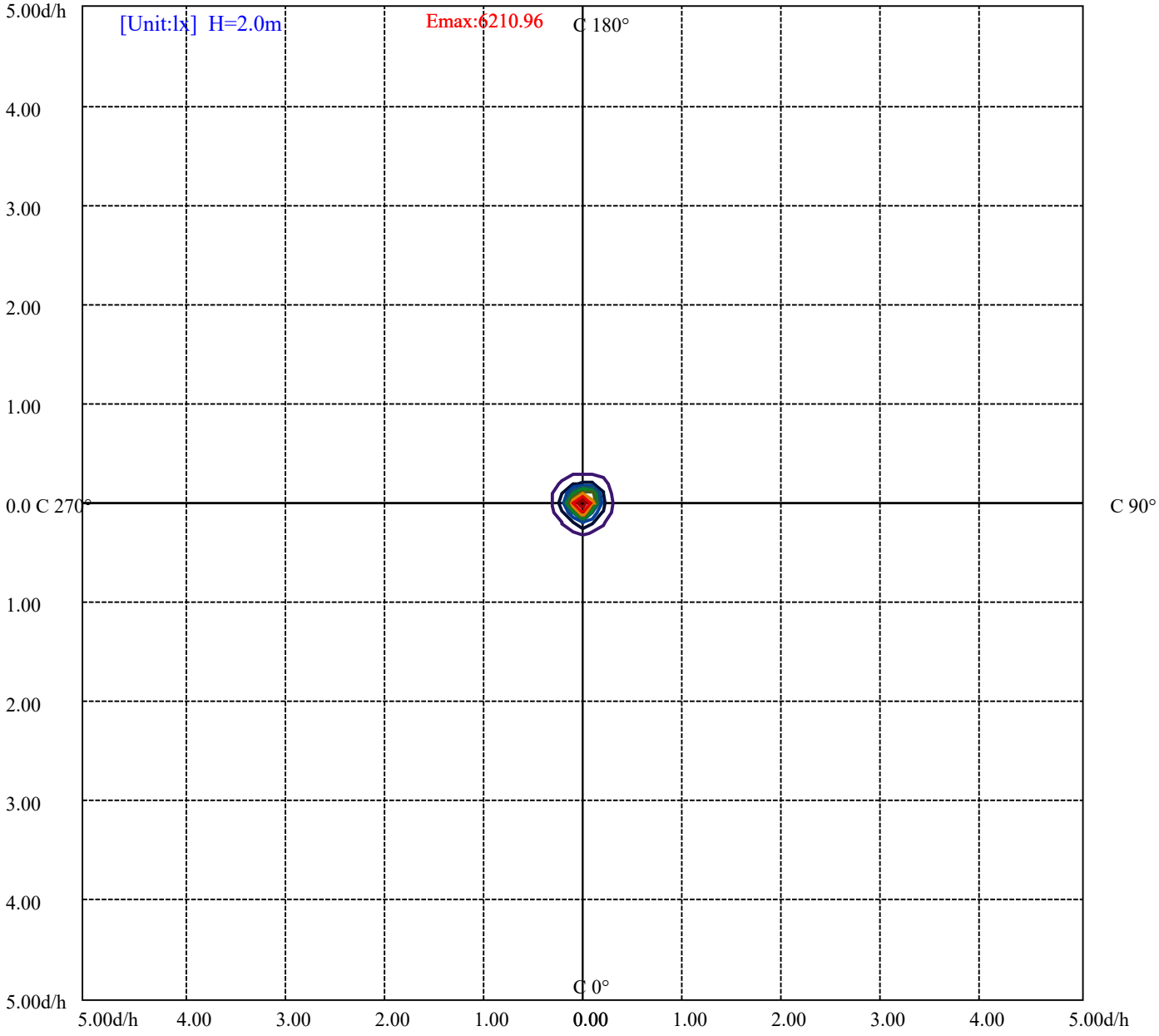
Imax:24983.04

(10%Imax) 2498.24
(20%Imax) 4996.47
(30%Imax) 7494.71
(40%Imax) 9992.94
(50%Imax) 12491.2
(60%Imax) 14989.4
(70%Imax) 17487.6
(80%Imax) 19985.9
(90%Imax) 22484.1

Equipment: GMS 1800	Date: 2025/5/13	Operator: NT
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.30

NT NT 3-2957-LM

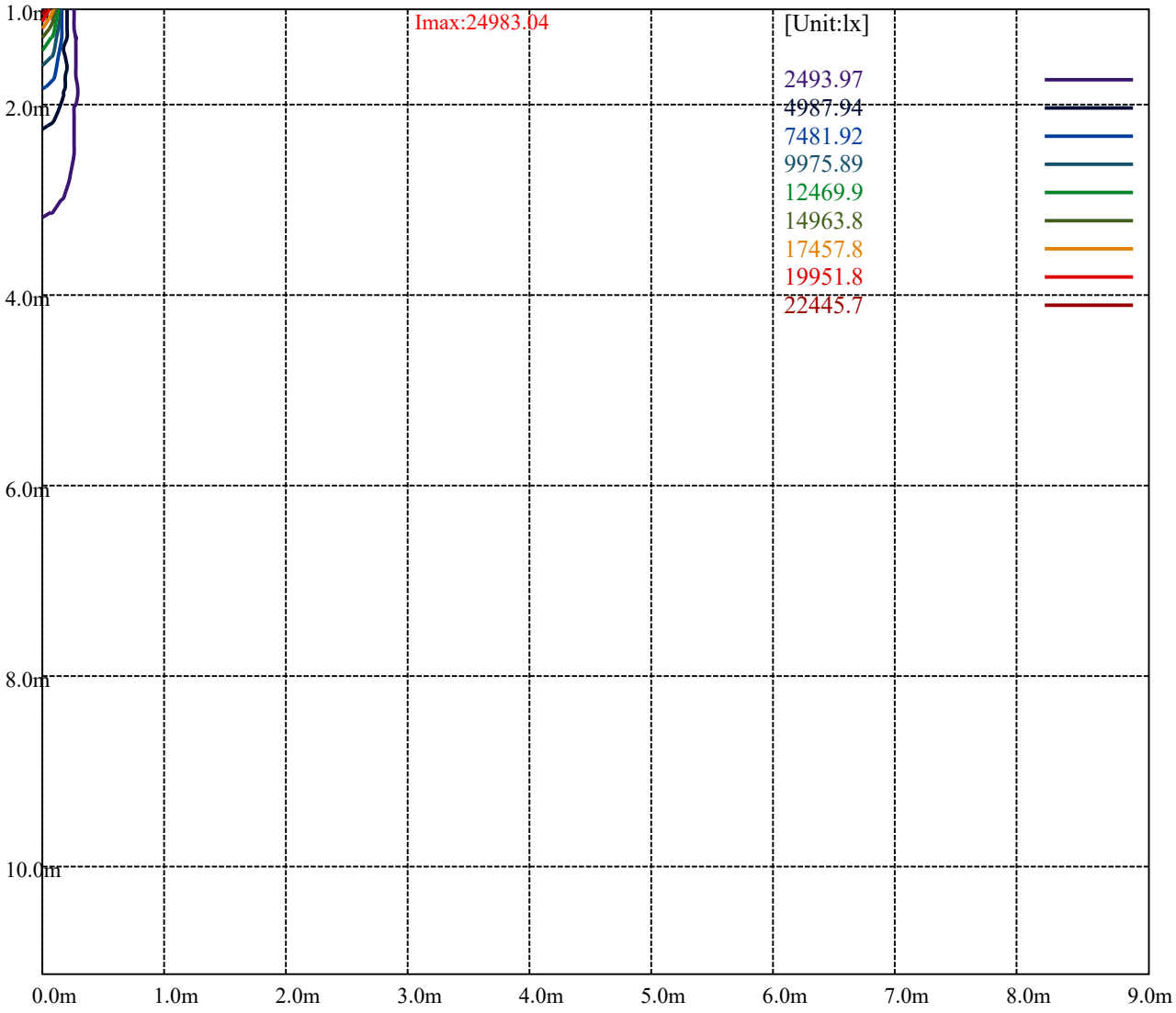
ISO illuminance diagram



(10%Emax) 621.095
(20%Emax) 1242.19
(30%Emax) 1863.285
(40%Emax) 2484.38
(50%Emax) 3105.475
(60%Emax) 3726.575
(70%Emax) 4347.675
(80%Emax) 4968.75
(90%Emax) 5589.85

Equipment: GMS 1800
Date: 2025/5/13
Operator: NT
Temperature(°C): 25.0
Humidity(%): 60.0%
Distance(m): 7.30

Space ISO Lux diagram



Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2025/5/13
Humidity(%): 60.0%

Operator: NT
Distance(m): 7.30

NT NT 3-2957-LM

Luminance Limitting Curve(no luminous side)

Luminance Table

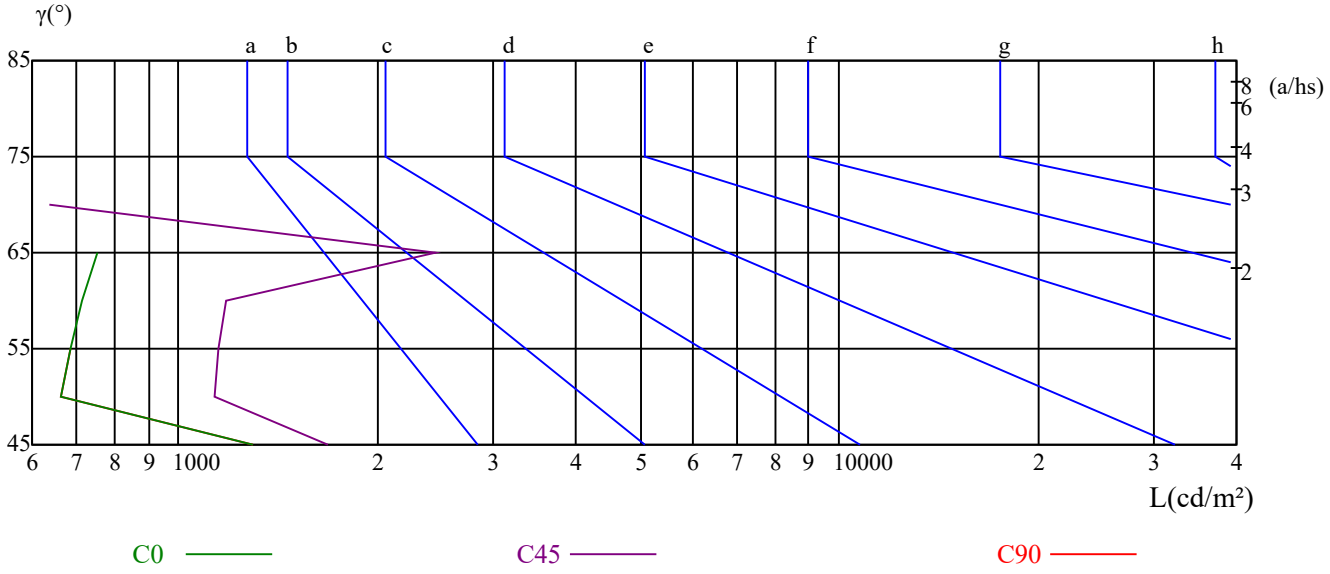
γ	45	50	55	60	65	70	75	80	85
C0	1294	664	686	716	755	0	0	0	0
C45	1678	1130	1150	1181	2445	639	0	0	0
C90	1294	664	686	0	0	0	0	0	0

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
873	873	3054	0	0	712	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 Limitting Curve

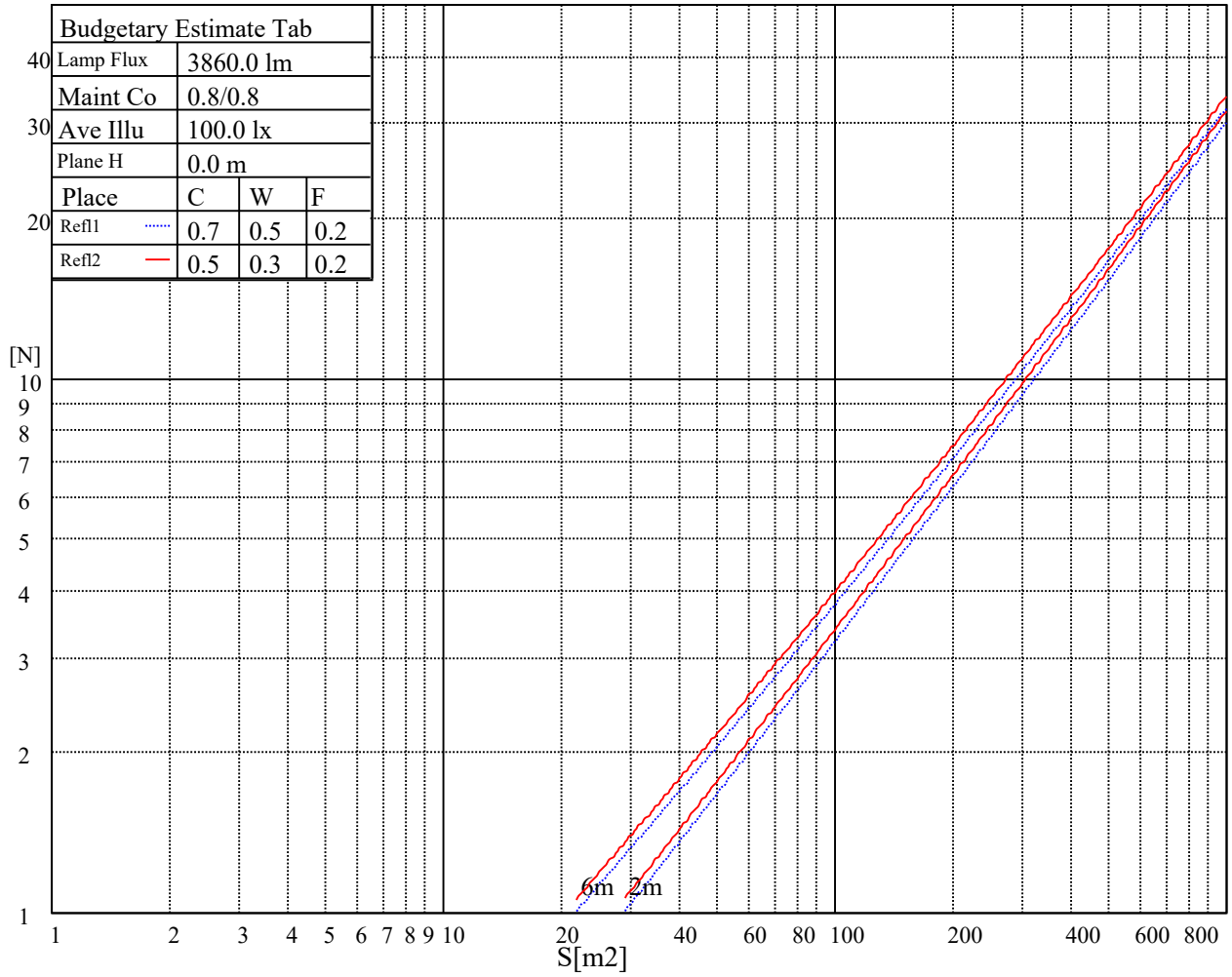


Illumination assessment according UGR											
Rf of Ceiling		70	70	50	50	30	70	70	50	50	30
Rf of Wall		50	30	50	30	30	50	30	50	30	30
Rf of Floor		20	20	20	20	20	20	20	20	20	20
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	14.71	15.59	15.07	15.90	16.22	14.58	15.47	14.95	15.78	16.09
	3H	14.50	15.28	14.88	15.62	15.96	14.37	15.16	14.76	15.49	15.84
	4H	14.38	15.11	14.79	15.46	15.83	14.26	14.98	14.66	15.34	15.71
	6H	14.29	14.95	14.71	15.33	15.73	14.16	14.82	14.58	15.20	15.60
	8H	14.21	14.84	14.63	15.22	15.63	14.08	14.71	14.51	15.10	15.51
	12H	14.14	14.73	14.56	15.13	15.54	14.01	14.60	14.44	15.00	15.42
4H	2H	14.40	15.12	14.80	15.47	15.84	14.27	15.00	14.67	15.35	15.72
	3H	14.15	14.75	14.57	15.15	15.57	14.02	14.63	14.45	15.02	15.44
	4H	14.06	14.58	14.50	15.01	15.46	13.94	14.46	14.38	14.88	15.33
	6H	13.91	14.37	14.39	14.82	15.28	13.79	14.25	14.26	14.70	15.15
	8H	13.85	14.27	14.34	14.73	15.21	13.72	14.15	14.21	14.61	15.08
	12H	13.79	14.18	14.28	14.64	15.16	13.67	14.06	14.16	14.51	15.04
8H	4H	13.85	14.27	14.33	14.73	15.21	13.72	14.15	14.21	14.61	15.08
	6H	13.68	14.03	14.19	14.51	15.02	13.56	13.90	14.07	14.39	14.90
	8H	13.67	13.95	14.20	14.47	14.97	13.54	13.83	14.08	14.35	14.85
	12H	13.61	13.82	14.16	14.34	14.87	13.49	13.70	14.03	14.22	14.74
12H	4H	13.79	14.18	14.28	14.63	15.16	13.67	14.05	14.16	14.51	15.03
	6H	13.66	13.95	14.20	14.47	14.97	13.54	13.82	14.08	14.35	14.85
	8H	13.61	13.82	14.15	14.34	14.86	13.49	13.70	14.03	14.21	14.74

Variation with the observer position at spacings:		
S = 1.0H	6.3/-15.5	6.3/-15.4
S = 1.5H	9.1/-15.6	9.1/-15.7
S = 2.0H	11.1/-17.3	11.1/-16.9
Standard tables:	BK0	BK0
Uncorrected UGR	-4.6	-4.5

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

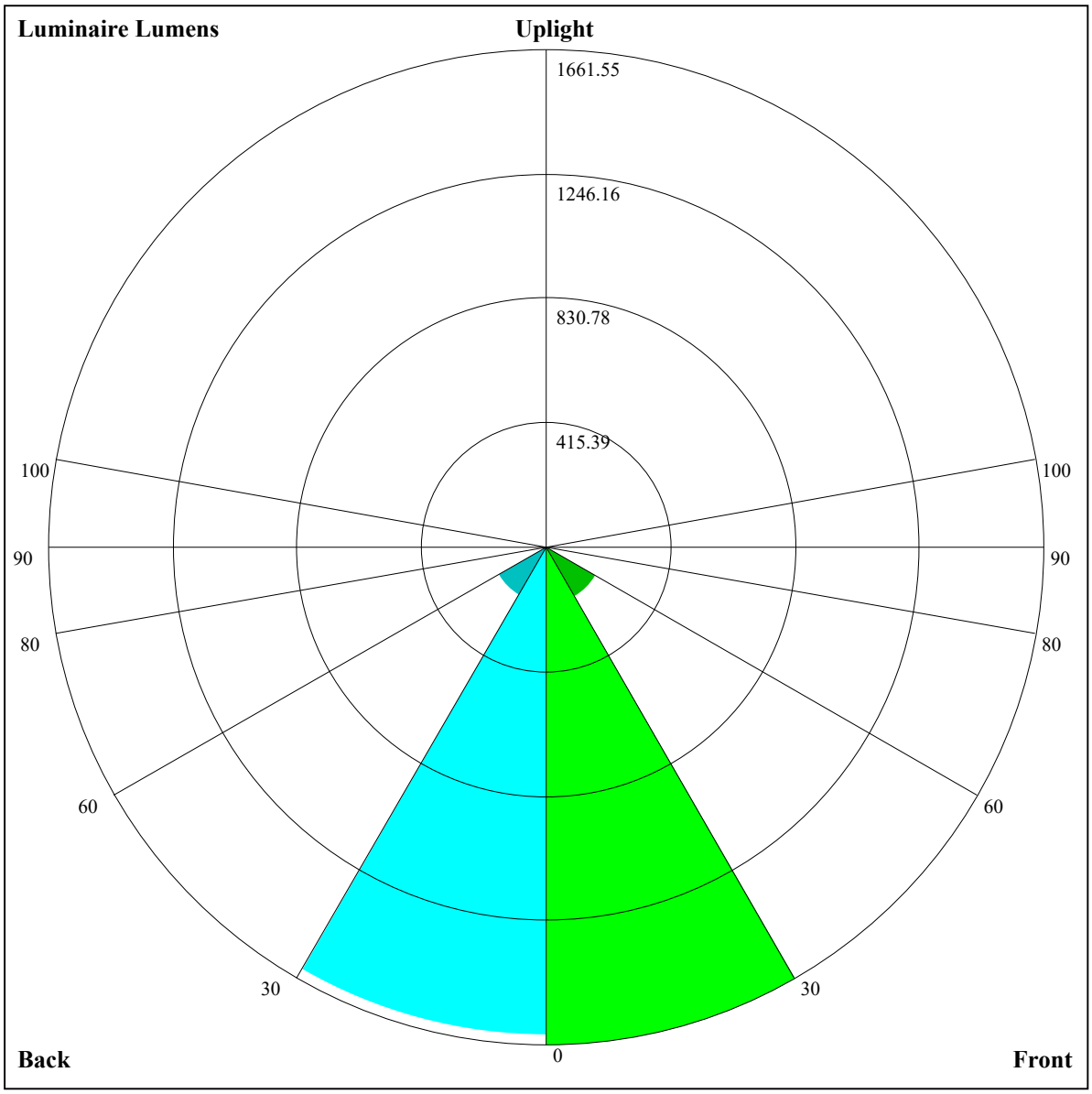
Budgetary Estimate Table



Equipment: GMS 1800 Date: 2025/5/13 Operator: NT
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.30

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	0.95
1	1.08	1.06	1.04	1.06	1.04	1.03	1.02	1.01	0.99	0.98	0.97	0.96	0.95	0.94	0.94	0.92
2	1.03	1.00	0.97	1.01	0.98	0.96	0.98	0.96	0.94	0.95	0.94	0.92	0.93	0.91	0.90	0.89
3	0.98	0.95	0.92	0.97	0.94	0.91	0.94	0.92	0.90	0.92	0.90	0.88	0.90	0.88	0.87	0.86
4	0.94	0.90	0.87	0.93	0.90	0.87	0.91	0.88	0.86	0.89	0.87	0.85	0.88	0.86	0.84	0.83
5	0.90	0.87	0.84	0.90	0.86	0.83	0.88	0.85	0.83	0.87	0.84	0.82	0.85	0.83	0.81	0.80
6	0.87	0.83	0.80	0.87	0.83	0.80	0.85	0.82	0.80	0.84	0.81	0.79	0.83	0.81	0.79	0.78
7	0.84	0.80	0.78	0.84	0.80	0.77	0.83	0.79	0.77	0.82	0.79	0.77	0.81	0.78	0.76	0.75
8	0.82	0.78	0.75	0.81	0.78	0.75	0.80	0.77	0.75	0.80	0.77	0.74	0.79	0.76	0.74	0.73
9	0.79	0.75	0.73	0.79	0.75	0.73	0.78	0.75	0.72	0.77	0.74	0.72	0.77	0.74	0.72	0.71
10	0.77	0.73	0.71	0.77	0.73	0.71	0.76	0.73	0.70	0.76	0.72	0.70	0.75	0.72	0.70	0.69



Luminaire Lumens:
FL=1661.55,FM=192.33,FH=3.01,FVH=0.53
BL=1630.13,BM=185.98,BH=2.51,BVH=0.54
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	24940.41	24572.71	23784.02	23107.24	21753.67	19227.72	17884.82	15316.24	10238.23
45.0	24844.49	24983.04	24764.56	24125.08	23101.91	21663.08	20639.91	17655.67	16115.59
90.0	24689.95	24439.49	23245.79	21950.84	21050.24	19158.45	16760.40	12950.16	9778.34
135.0	24823.17	24594.03	23991.85	23000.66	21647.09	20080.36	18028.70	15486.77	12859.57
180.0	24940.41	24897.78	24540.74	23815.99	22723.55	21316.69	19627.40	17383.89	14783.34
225.0	24844.49	24327.58	23464.28	22270.58	20783.79	18886.67	16493.95	10550.51	10550.51
270.0	24689.95	24855.15	24610.01	24002.51	23011.31	21663.08	20021.75	17874.16	15412.16
315.0	24823.17	24689.95	24167.71	23160.53	22148.02	20304.18	18289.82	16286.12	10290.99
360.0	24940.41	24572.71	23784.02	23107.24	21753.67	19227.72	17884.82	15316.24	10238.23

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	10238.23	8123.69	6587.34	5416.02	4559.65	3896.72	3356.36	2926.31	2572.47
45.0	13525.69	10125.79	8862.82	7173.53	5841.28	4807.45	4045.40	3448.56	2995.59
90.0	9360.55	7564.14	6154.62	5074.43	4238.31	3622.81	3146.40	2765.91	2455.23
135.0	10354.94	8228.67	6677.93	5484.23	4908.70	3890.86	3565.79	3112.83	2739.80
180.0	12225.42	9838.03	7855.64	6406.15	5244.43	4407.78	3762.97	3262.04	2857.04
225.0	8872.41	7817.27	6384.30	4852.75	4376.87	3712.87	3202.36	2771.24	2426.99
270.0	12950.16	10653.36	8585.71	7013.66	5724.04	4711.53	3954.81	3373.95	2926.31
315.0	9844.95	9000.84	7248.67	5936.67	4917.23	4151.98	3542.88	3079.79	2695.04
360.0	10238.23	8123.69	6587.34	5416.02	4559.65	3896.72	3356.36	2926.31	2572.47

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2337.46	2059.82	1921.26	1776.32	1640.43	1570.62	1495.48	1435.79	1386.77
45.0	2766.44	2766.44	2079.54	1876.50	1717.70	1615.38	1495.48	1432.06	1370.25
90.0	2246.87	2038.50	1864.24	1727.82	1618.58	1539.18	1475.76	1418.74	1370.78
135.0	2739.80	2194.11	1993.74	1834.40	1702.78	1600.46	1512.53	1445.38	1391.56
180.0	2713.15	2713.15	2081.67	1904.21	1760.33	1645.22	1552.50	1479.49	1419.81
225.0	2156.27	1936.72	1769.39	1646.82	1546.10	1468.30	1404.88	1355.86	1304.70
270.0	2771.77	2771.77	2088.59	1902.08	1757.13	1647.89	1562.62	1494.41	1441.65
315.0	2380.09	2140.29	1946.84	1796.03	1721.96	1587.14	1539.18	1472.56	1397.42
360.0	2337.46	2059.82	1921.26	1776.32	1640.43	1570.62	1495.48	1435.79	1386.77

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1338.80	1300.97	1264.73	1050.19	1025.09	971.90	836.60	689.31	597.27
45.0	1318.02	1271.66	1229.03	1182.13	1127.24	1036.12	925.27	801.11	666.82
90.0	1327.08	1288.18	1248.21	999.88	999.88	919.20	835.43	627.12	534.18
135.0	1341.47	1299.90	1263.67	1231.16	1124.58	1030.26	894.37	752.08	602.34
180.0	1371.31	1325.48	1286.58	1250.88	1176.80	1062.76	930.07	846.94	639.11
225.0	1269.53	1234.36	1205.58	994.50	994.50	864.95	728.85	582.57	440.50
270.0	1395.29	1348.93	1307.36	1270.59	1211.97	1103.80	1030.26	837.35	690.27
315.0	1365.98	1321.22	1282.85	1246.61	1031.91	1031.91	893.25	751.71	600.90
360.0	1338.80	1300.97	1264.73	1050.19	1025.09	971.90	836.60	689.31	597.27

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	392.91	257.92	183.74	81.43	27.87	17.11	13.54	11.62	9.75
45.0	525.60	385.45	306.58	306.58	100.29	51.64	32.51	26.22	21.64
90.0	390.56	205.38	138.50	51.53	21.96	17.21	13.16	11.30	9.49
135.0	453.12	316.17	290.06	147.77	30.64	19.34	14.44	11.72	10.50
180.0	547.45	401.97	298.05	298.05	46.63	22.97	17.96	13.96	11.51
225.0	310.36	191.90	94.54	38.53	25.74	20.84	17.75	14.81	12.42
270.0	597.54	393.97	314.57	314.57	68.00	26.27	20.78	16.79	14.65
315.0	450.51	311.91	185.77	122.09	43.59	17.16	14.71	11.56	9.54
360.0	392.91	257.92	183.74	81.43	27.87	17.11	13.54	11.62	9.75

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	8.63	8.05	7.14	6.13	5.28	4.90	4.58	4.21	4.00
45.0	18.60	16.31	14.60	13.00	11.30	9.91	8.85	8.53	8.15
90.0	8.47	7.67	6.71	5.86	5.22	4.80	4.37	4.05	3.84
135.0	8.47	7.73	7.30	6.61	5.60	5.28	4.96	4.80	4.53
180.0	9.22	8.10	7.25	6.50	5.76	5.12	4.90	4.53	4.21
225.0	11.30	10.82	8.90	7.78	7.25	6.87	6.34	6.23	6.02
270.0	12.10	10.71	10.07	9.17	7.83	6.82	6.08	5.54	5.33
315.0	7.78	7.03	6.39	5.70	5.06	4.53	4.26	4.10	3.84
360.0	8.63	8.05	7.14	6.13	5.28	4.90	4.58	4.21	4.00

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	3.84	3.68	3.57	3.41	3.30	3.25	3.14	3.04	2.93
45.0	8.10	7.99	8.15	8.15	8.31	8.37	8.58	8.79	9.49
90.0	3.62	3.46	3.25	3.14	2.93	2.77	2.50	2.34	2.29
135.0	4.32	4.16	4.00	3.73	3.57	3.46	3.41	3.30	3.20
180.0	4.10	3.89	3.68	3.52	3.36	3.14	3.09	2.98	2.82
225.0	6.23	6.13	6.02	5.65	5.54	5.06	4.96	4.69	5.06
270.0	4.90	4.64	4.32	4.16	3.94	3.89	3.57	3.36	3.04
315.0	3.68	3.57	3.52	3.36	3.25	3.09	3.04	2.93	2.82
360.0	3.84	3.68	3.57	3.41	3.30	3.25	3.14	3.04	2.93

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	2.88	2.88	2.93	2.93	2.66	2.40	2.08	1.87	1.71
45.0	11.40	14.76	18.81	19.24	15.29	9.81	5.28	3.46	2.77
90.0	2.24	2.13	2.08	2.08	2.03	1.87	1.87	1.87	1.76
135.0	3.14	3.14	3.09	3.04	2.93	2.88	2.77	2.66	2.61
180.0	2.77	2.66	2.61	2.56	2.50	2.40	2.18	1.87	1.65
225.0	6.39	8.15	7.99	5.97	4.37	2.45	2.34	2.40	2.66
270.0	2.82	2.77	3.04	3.57	3.30	2.40	1.60	1.39	1.39
315.0	2.77	2.66	2.56	2.45	2.34	2.13	2.03	1.97	1.87
360.0	2.88	2.88	2.93	2.93	2.66	2.40	2.08	1.87	1.71

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	1.60	1.49	1.39	1.28	1.23	1.23	1.12	1.12	1.12
45.0	2.45	2.34	2.13	1.92	1.87	1.81	1.76	1.60	1.60
90.0	1.65	1.60	1.49	1.39	1.44	1.33	1.28	1.12	1.07
135.0	2.50	2.34	2.29	2.18	2.13	2.03	2.03	1.92	1.81
180.0	1.60	1.55	1.44	1.39	1.28	1.28	1.23	1.17	1.12
225.0	2.93	3.14	3.36	3.62	3.57	2.72	2.08	1.76	1.60
270.0	1.33	1.17	1.17	1.12	1.01	0.96	0.91	0.91	0.85
315.0	1.76	1.71	1.71	1.65	1.55	1.49	1.44	1.44	1.39
360.0	1.60	1.49	1.39	1.28	1.23	1.23	1.12	1.12	1.12

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	1.07	1.07	1.07	0.96	1.01	0.96	0.91	0.91	0.85
45.0	1.55	1.44	1.28	1.28	1.12	1.01	0.96	0.91	0.80
90.0	1.01	1.01	0.96	0.96	0.91	0.85	0.75	0.75	0.75
135.0	1.76	1.76	1.71	1.76	1.65	1.49	1.23	1.12	1.01
180.0	1.07	1.07	1.01	0.96	0.96	0.91	0.91	0.80	0.80
225.0	1.39	1.28	1.17	1.12	0.91	0.85	0.80	0.80	0.64
270.0	0.80	0.75	0.75	0.75	0.75	0.75	0.69	0.64	0.53
315.0	1.33	1.33	1.23	1.28	1.28	1.12	0.96	0.85	0.80
360.0	1.07	1.07	1.07	0.96	1.01	0.96	0.91	0.91	0.85

Intensity data(cd)

C/γ(°)	90.0
0.0	0.85
45.0	0.80
90.0	0.64
135.0	0.69
180.0	0.75
225.0	0.59
270.0	0.53
315.0	0.75
360.0	0.85