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

NT

Client: NT
LumCAT: 3-2921-L
Luminaire: 92.70.412.00
Report No: 20250415-B003
Ballast type: DC

Test No: 20250415-C003	Voltage(V): 36.510
LampCAT: CITIZEN CLU038	Current(A): 0.700
Lamp flux(lm): 3602.7	Power (W): 25.557
Number of Lamps: 1	PF: 0.000
Length(mm): 92	Width(mm): 92
Phm Type: C	Height(mm): 50

Photometric Results

Lumens(lm): 3568.63, Efficiency(%): 99.05% , Luminous Efficacy(lm/W): 139.63
Central intensity(cd): 6520.636, Maximum intensity(cd): 6520.636
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=38.9
[C90/270]Total=39.0
Field angle(10%Imax): [C0/180]Total=77.4
[C90/270]Total=76.7
Maximum s/h(1/2): C0_180=0.63 C90_270=0.61
Maximum s/h(1/4): C0_180=0.66 C90_270=0.63
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 99.19%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 98.513%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	6511.711	0.000	0	0.00%	0.00%
1.0	6499.421	6.226	6.226	0.17%	0.17%
2.0	6468.697	18.613	24.839	0.52%	0.70%
3.0	6412.442	30.807	55.646	0.86%	1.56%
4.0	6338.484	42.681	98.328	1.18%	2.76%
5.0	6231.973	54.077	152.405	1.50%	4.27%
6.0	6119.171	64.909	217.314	1.80%	6.09%
7.0	5986.983	75.143	292.456	2.09%	8.20%
8.0	5828.241	84.559	377.016	2.35%	10.56%
9.0	5651.284	93.035	470.051	2.58%	13.17%
10.0	5456.258	100.519	570.57	2.79%	15.99%
11.0	5264.816	107.126	677.696	2.97%	18.99%
12.0	5043.381	112.683	790.379	3.13%	22.15%
13.0	4810.608	116.942	907.321	3.25%	25.42%
14.0	4577.908	120.172	1027.493	3.34%	28.79%
15.0	4333.723	122.343	1149.836	3.40%	32.22%
16.0	4106.582	123.674	1273.51	3.43%	35.69%
17.0	3830.722	123.605	1397.115	3.43%	39.15%
18.0	3599.997	122.516	1519.632	3.40%	42.58%
19.0	3363.712	121.154	1640.786	3.36%	45.98%
20.0	3130.939	118.870	1759.656	3.30%	49.31%
21.0	2909.139	115.982	1875.638	3.22%	52.56%
22.0	2681.706	112.350	1987.988	3.12%	55.71%
23.0	2494.946	108.620	2096.608	3.01%	58.75%
24.0	2304.236	104.927	2201.536	2.91%	61.69%
25.0	2130.204	100.829	2302.365	2.80%	64.52%
26.0	1984.410	97.126	2399.491	2.70%	67.24%
27.0	1844.176	93.667	2493.158	2.60%	69.86%
28.0	1731.227	90.522	2583.68	2.51%	72.40%
29.0	1613.524	87.508	2671.188	2.43%	74.85%
30.0	1524.935	84.738	2755.926	2.35%	77.23%
31.0	1439.566	82.498	2838.424	2.29%	79.54%
32.0	1350.948	79.945	2918.369	2.22%	81.78%
33.0	1296.595	77.998	2996.366	2.16%	83.96%
34.0	1205.995	75.736	3072.102	2.10%	86.09%
35.0	1153.961	73.292	3145.394	2.03%	88.14%
36.0	1041.342	69.899	3215.292	1.94%	90.10%
37.0	904.641	63.467	3278.759	1.76%	91.88%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	747.947	55.161	3333.921	1.53%	93.42%
39.0	586.191	45.538	3379.458	1.26%	94.70%
40.0	438.056	35.722	3415.18	0.99%	95.70%
41.0	302.993	26.388	3441.569	0.73%	96.44%
42.0	225.655	19.207	3460.776	0.53%	96.98%
43.0	125.699	13.015	3473.791	0.36%	97.34%
44.0	85.136	7.957	3481.748	0.22%	97.57%
45.0	50.132	5.198	3486.947	0.14%	97.71%
46.0	42.838	3.636	3490.583	0.10%	97.81%
47.0	37.169	3.182	3493.765	0.09%	97.90%
48.0	32.780	2.828	3496.592	0.08%	97.98%
49.0	29.861	2.572	3499.165	0.07%	98.05%
50.0	27.286	2.383	3501.547	0.07%	98.12%
51.0	25.530	2.235	3503.782	0.06%	98.18%
52.0	23.899	2.121	3505.903	0.06%	98.24%
53.0	22.663	2.025	3507.929	0.06%	98.30%
54.0	21.522	1.947	3509.876	0.05%	98.35%
55.0	20.541	1.878	3511.754	0.05%	98.41%
56.0	19.722	1.819	3513.573	0.05%	98.46%
57.0	19.042	1.772	3515.345	0.05%	98.51%
58.0	18.449	1.734	3517.079	0.05%	98.56%
59.0	17.944	1.701	3518.781	0.05%	98.60%
60.0	17.527	1.676	3520.456	0.05%	98.65%
61.0	17.184	1.656	3522.113	0.05%	98.70%
62.0	16.862	1.641	3523.753	0.05%	98.74%
63.0	16.591	1.627	3525.38	0.05%	98.79%
64.0	16.350	1.616	3526.997	0.04%	98.83%
65.0	16.160	1.609	3528.606	0.04%	98.88%
66.0	15.984	1.604	3530.209	0.04%	98.92%
67.0	15.808	1.599	3531.808	0.04%	98.97%
68.0	15.691	1.596	3533.404	0.04%	99.01%
69.0	15.582	1.595	3534.999	0.04%	99.06%
70.0	15.472	1.595	3536.594	0.04%	99.10%
71.0	15.384	1.595	3538.189	0.04%	99.15%
72.0	15.282	1.595	3539.783	0.04%	99.19%
73.0	15.230	1.596	3541.379	0.04%	99.24%
74.0	15.150	1.597	3542.976	0.04%	99.28%
75.0	15.084	1.597	3544.573	0.04%	99.33%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	15.026	1.598	3546.172	0.04%	99.37%
77.0	14.982	1.600	3547.772	0.04%	99.42%
78.0	14.916	1.600	3549.372	0.04%	99.46%
79.0	14.894	1.602	3550.974	0.04%	99.51%
80.0	14.850	1.604	3552.577	0.04%	99.55%
81.0	14.814	1.604	3554.182	0.04%	99.60%
82.0	14.806	1.606	3555.788	0.04%	99.64%
83.0	14.762	1.607	3557.395	0.04%	99.69%
84.0	14.733	1.607	3559.002	0.04%	99.73%
85.0	14.718	1.607	3560.609	0.04%	99.78%
86.0	14.696	1.608	3562.217	0.04%	99.82%
87.0	14.675	1.607	3563.825	0.04%	99.87%
88.0	14.638	1.606	3565.43	0.04%	99.91%
89.0	14.579	1.601	3567.032	0.04%	99.96%
90.0	14.572	1.598	3568.63	0.04%	100.00%

Zonal flux distribution table

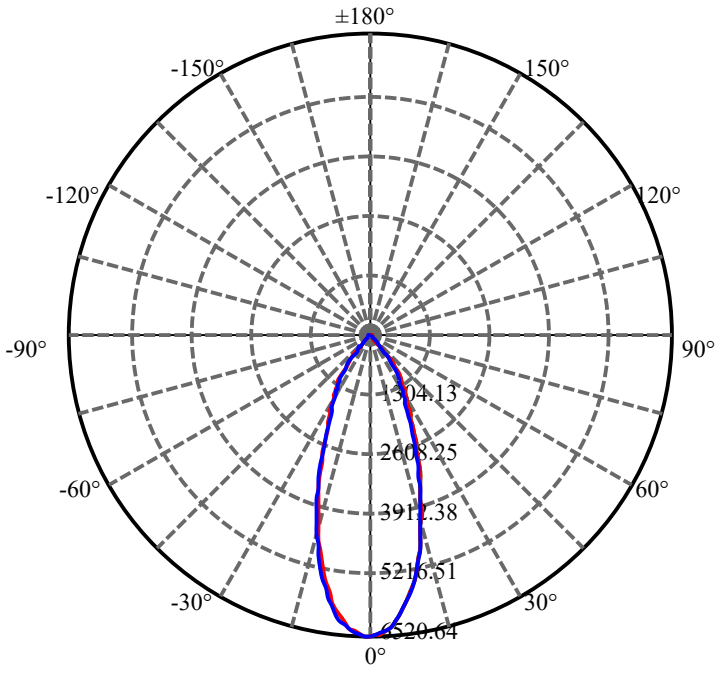
ZONAL LUMEN SUMMARY

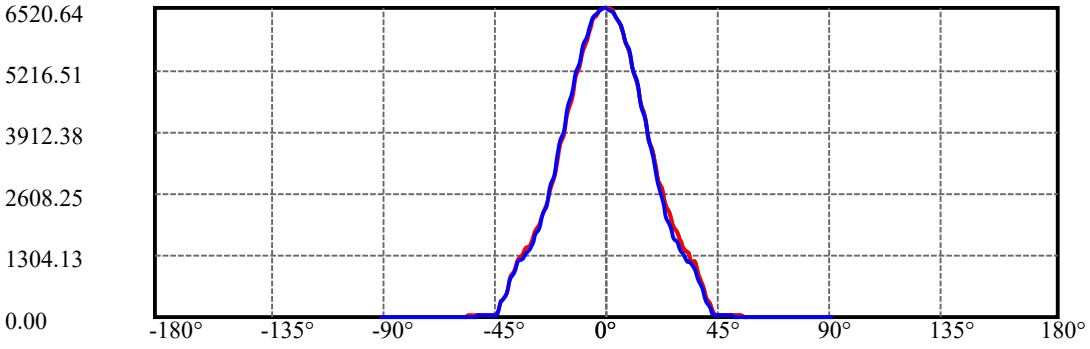
Zone	Lumens	%Lamp	%Fixt
0-30	2755.93	76.50%	77.23%
0-40	3415.18	94.79%	95.70%
0-60	3520.46	97.72%	98.65%
0-90	3567.03	99.01%	99.96%
0-120	3567.03	99.01%	99.96%
0-180	3568.63	99.05%	100.00%
60-90	46.58	1.29%	1.31%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-31.21	2854.90	79.24%	80.00%

ZONAL LUMEN SUMMARY

0-10	570.57
10-20	1189.09
20-30	996.27
30-40	659.25
40-50	86.37
50-60	18.91
60-70	16.14
70-80	15.98
80-90	14.45
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]





C0(Max):

C0/C180:

C90/C270:

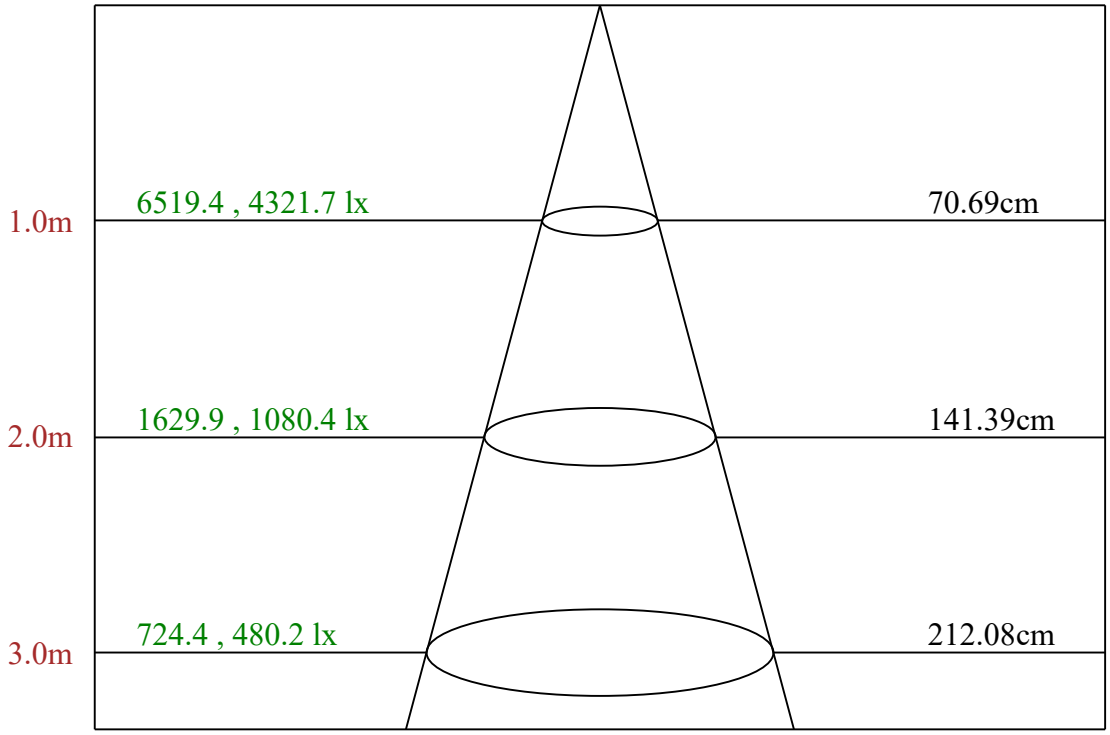
Field angle(10%Imax):C0/180Left:39.0 Right:38.4

:C90/270Left:39.0 Right:37.7

Beam Angle(50%Imax):C0/180Left:19.6 Right:19.3

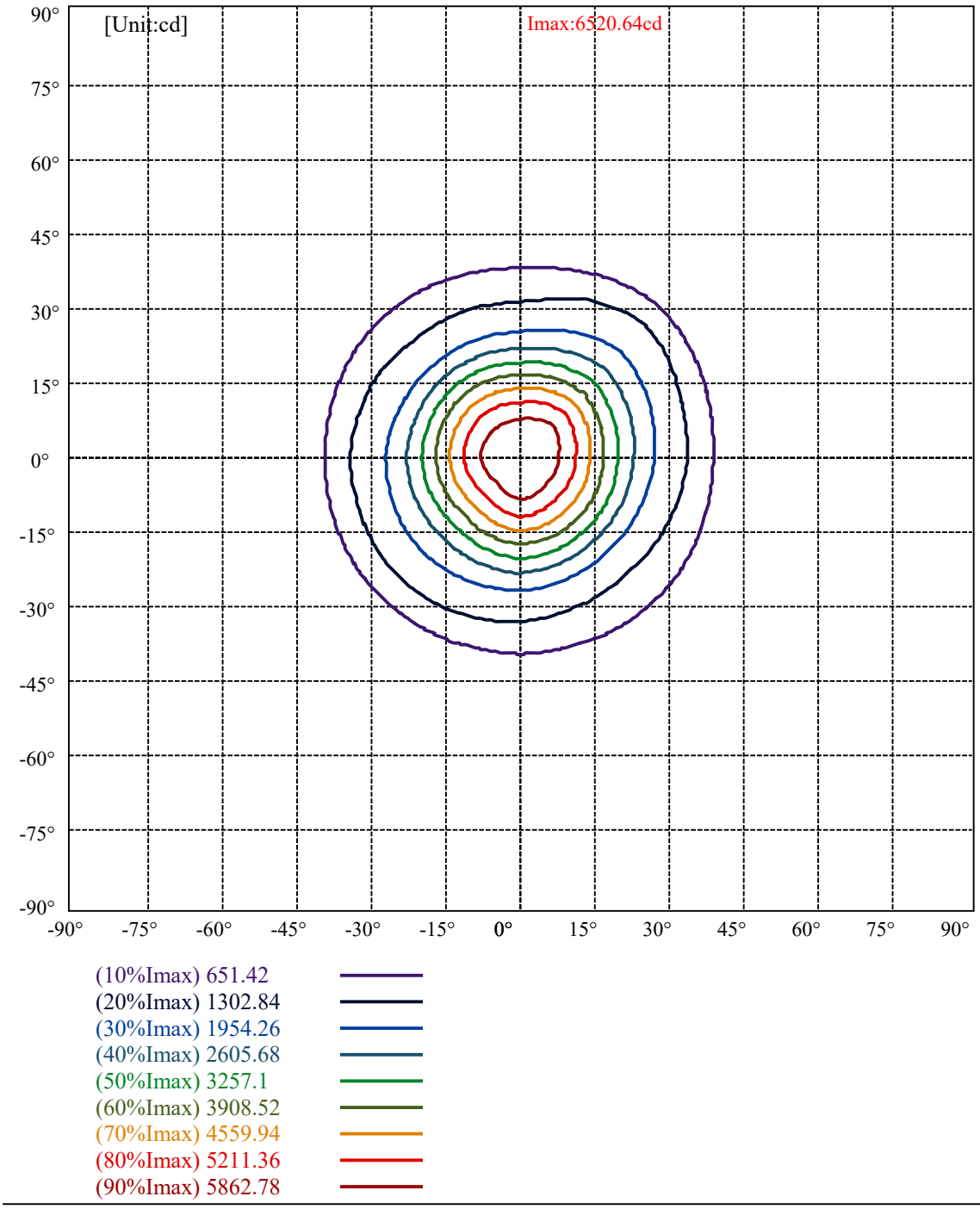
:C90/270Left:20.1 Right:18.9

Lux distance Curve



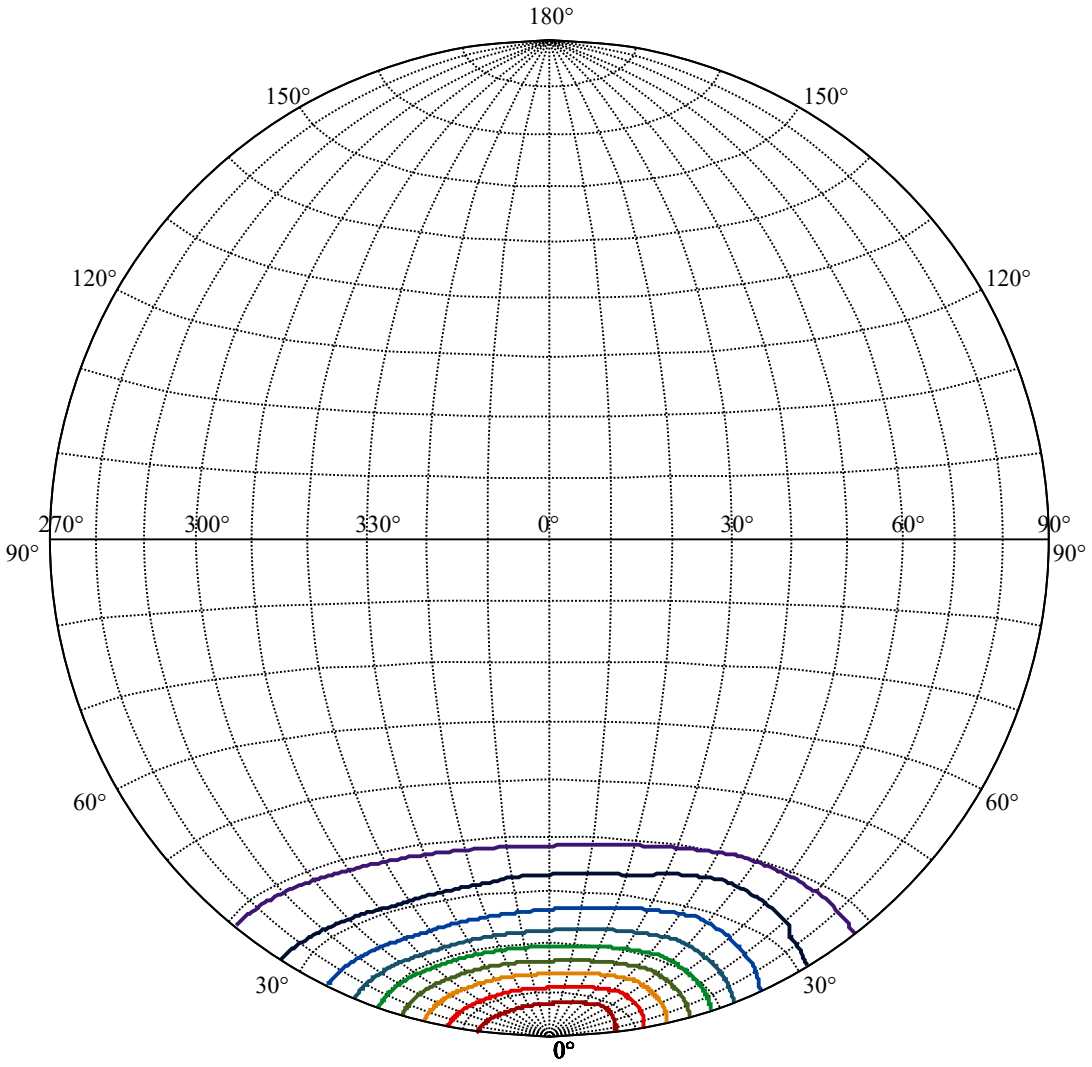
Max , Ave

Beam angle of C0 plane 38.93



Equipment: GMS1980
Temperature(°C): 25.0
Date: 2025/3/25
Humidity(%): 60.0%
Operator: NT07
Distance(m): 7.65

ISO candela diagram on circular web



House [Unit:cd] Road

Imax:6520.64

(10%Imax) 651.941
(20%Imax) 1303.88
(30%Imax) 1955.82
(40%Imax) 2607.76
(50%Imax) 3259.7
(60%Imax) 3911.64
(70%Imax) 4563.58
(80%Imax) 5215.53
(90%Imax) 5867.47

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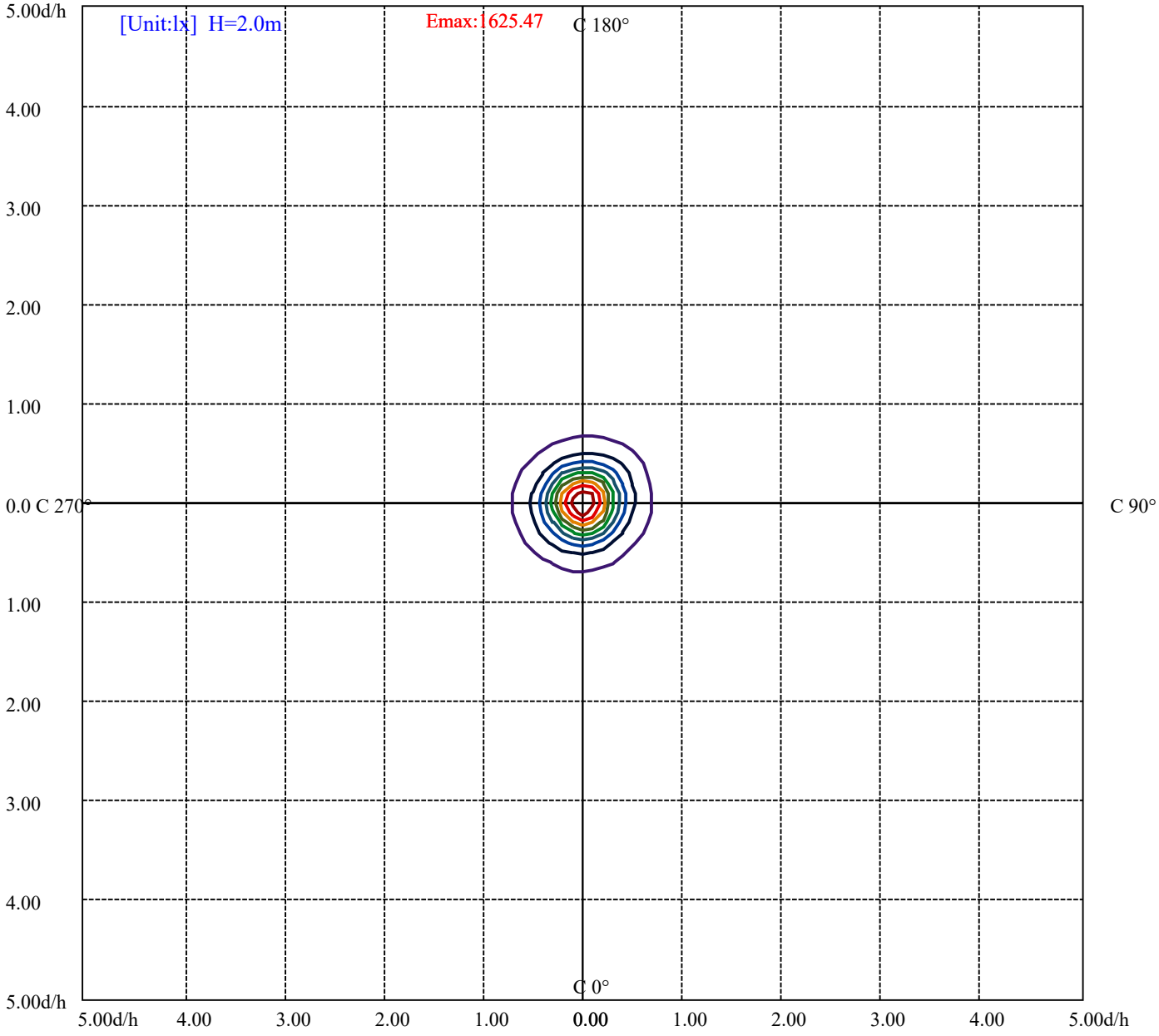
ISO illuminance diagram

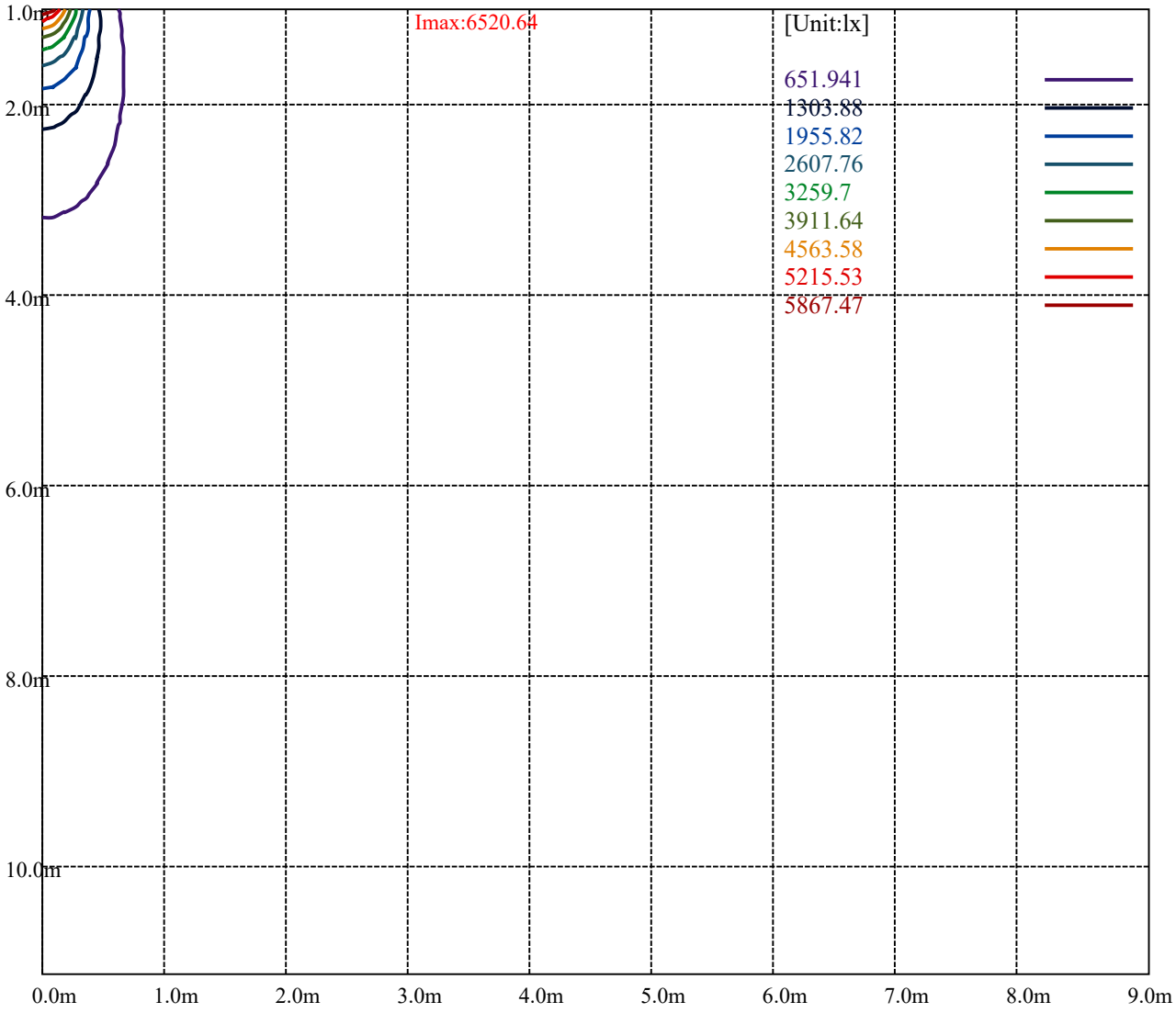


Equipment: GMS1980
Temperature(°C): 25.0

Date: 2025/3/25
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

Space ISO Lux diagram



Equipment: GMS1980 Date: 2025/3/25 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

NT NT 3-2921-L

Luminance Limitting Curve(no luminous side)

Luminance Table

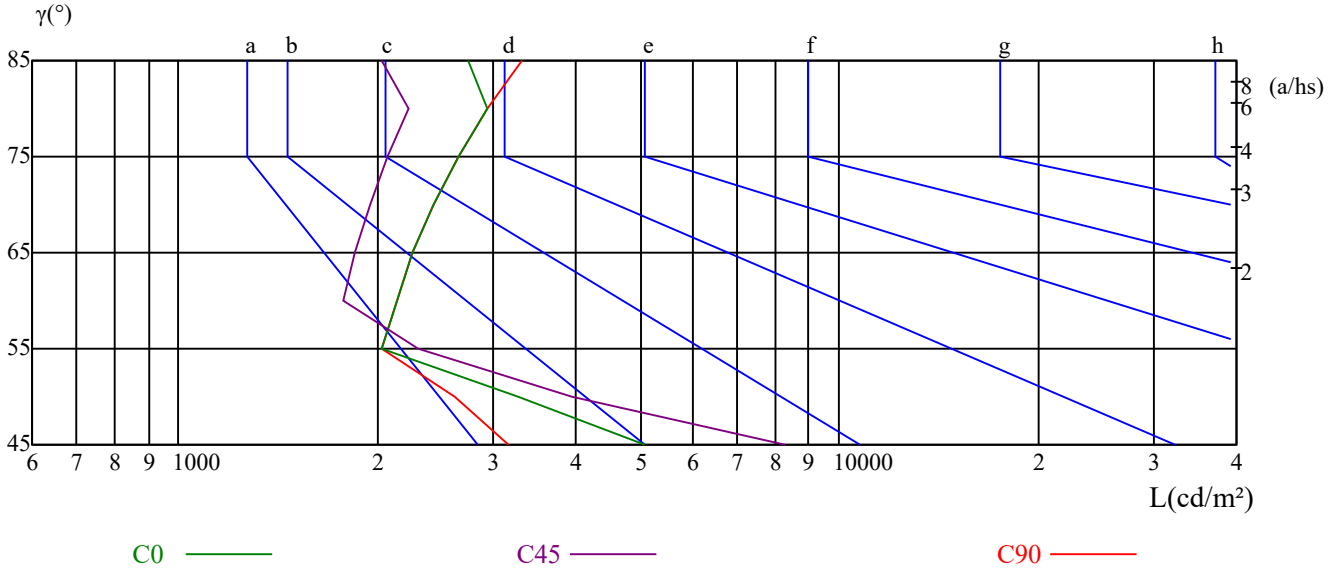
γ	45	50	55	60	65	70	75	80	85
C0	5068	3264	2036	2137	2267	2433	2647	2926	2750
C45	8293	3930	2299	1780	1853	1949	2072	2229	2027
C90	3168	2611	2036	2137	2267	2433	2647	2926	3300

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
4908	4908	4908	8014	8014	8014	17850	23800	22808

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: 2025/3/25
Humidity(%): 60.0%

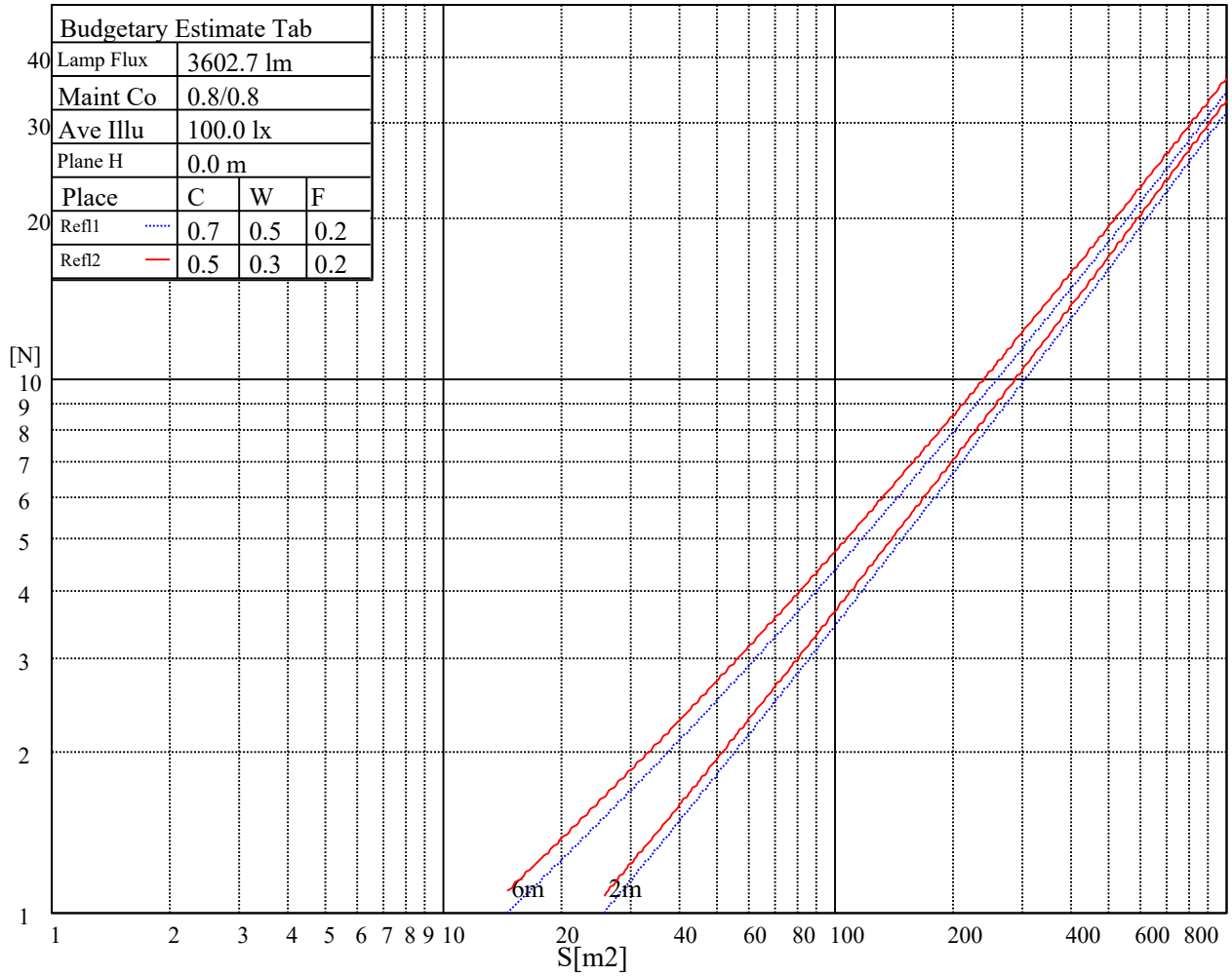
Operator: NT07
Distance(m): 7.65

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	18.89	19.83	19.25	20.14	20.46	18.35	19.29	18.71	19.60	19.92
	3H	18.71	19.55	19.10	19.89	20.23	18.18	19.02	18.57	19.36	19.70
	4H	18.64	19.42	19.04	19.77	20.14	18.12	18.89	18.52	19.25	19.62
	6H	18.61	19.32	19.03	19.70	20.10	18.10	18.81	18.52	19.19	19.59
	8H	18.58	19.26	19.00	19.64	20.05	18.08	18.75	18.50	19.14	19.55
	12H	18.57	19.20	18.99	19.60	20.02	18.07	18.71	18.50	19.11	19.53
4H	2H	18.58	19.35	18.98	19.70	20.07	18.04	18.82	18.44	19.17	19.54
	3H	18.38	19.03	18.81	19.43	19.85	17.86	18.51	18.29	18.90	19.32
	4H	18.37	18.93	18.80	19.35	19.80	17.85	18.41	18.29	18.84	19.29
	6H	18.33	18.82	18.80	19.28	19.73	17.83	18.33	18.31	18.78	19.24
	8H	18.35	18.81	18.83	19.27	19.74	17.87	18.33	18.35	18.79	19.26
	12H	18.40	18.82	18.89	19.27	19.80	17.94	18.36	18.43	18.81	19.33
8H	4H	18.19	18.65	18.68	19.11	19.59	17.69	18.15	18.18	18.61	19.08
	6H	18.19	18.57	18.70	19.05	19.56	17.71	18.09	18.22	18.57	19.08
	8H	18.30	18.61	18.83	19.13	19.63	17.84	18.15	18.37	18.67	19.17
	12H	18.41	18.65	18.95	19.17	19.69	17.97	18.21	18.52	18.73	19.26
12H	4H	18.15	18.57	18.64	19.03	19.55	17.65	18.07	18.14	18.52	19.04
	6H	18.20	18.51	18.73	19.04	19.53	17.72	18.04	18.26	18.56	19.06
	8H	18.29	18.53	18.83	19.05	19.57	17.84	18.08	18.38	18.59	19.12

Variation with the observer position at spacings:		
S = 1.0H	4.5/-10.1	4.7/-10.4
S = 1.5H	7.1/-8.4	7.3/-8.7
S = 2.0H	8.9/-7.2	9.2/-7.6
Standard tables:	BK1	BK0
Uncorrected UGR	-0.2	0.1

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

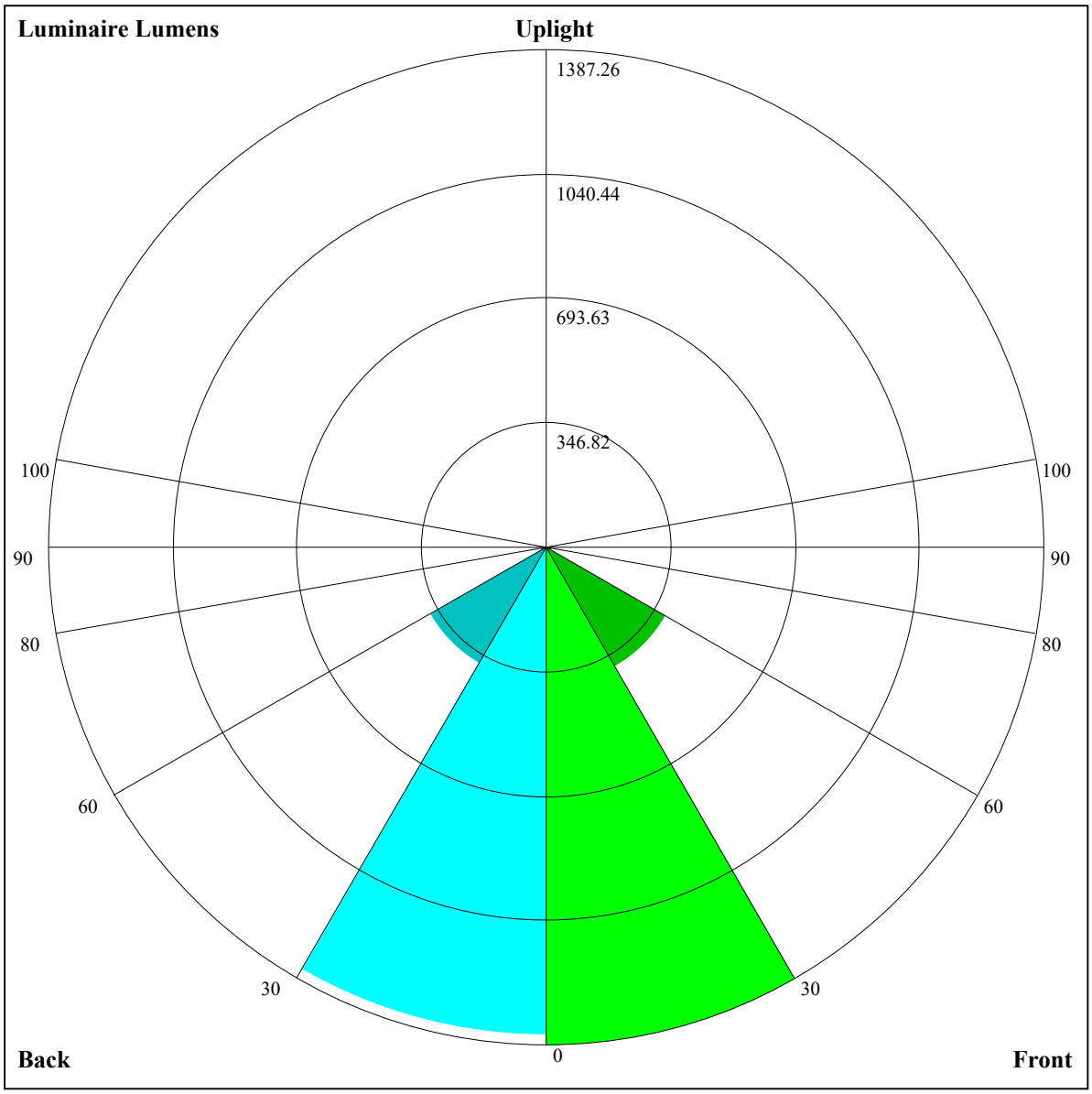
Budgetary Estimate Table



Equipment: GMS1980 Date: 2025/3/25 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	1.18	1.18	1.18	1.15	1.15	1.15	1.10	1.10	1.10	1.06	1.06	1.06	1.01	1.01	1.01	0.99
1	1.10	1.08	1.05	1.08	1.06	1.04	1.04	1.02	1.01	1.00	0.99	0.98	0.97	0.96	0.95	0.93
2	1.03	0.99	0.96	1.01	0.98	0.95	0.98	0.95	0.93	0.95	0.93	0.91	0.92	0.91	0.89	0.87
3	0.97	0.92	0.88	0.95	0.91	0.88	0.93	0.89	0.86	0.90	0.87	0.85	0.88	0.86	0.84	0.82
4	0.91	0.86	0.82	0.90	0.85	0.82	0.88	0.84	0.81	0.86	0.82	0.80	0.84	0.81	0.79	0.77
5	0.86	0.81	0.77	0.85	0.80	0.76	0.83	0.79	0.76	0.82	0.78	0.75	0.80	0.77	0.74	0.73
6	0.81	0.76	0.72	0.81	0.75	0.72	0.79	0.75	0.71	0.78	0.74	0.71	0.77	0.73	0.70	0.69
7	0.77	0.72	0.68	0.77	0.71	0.68	0.75	0.71	0.67	0.74	0.70	0.67	0.73	0.69	0.67	0.65
8	0.73	0.68	0.64	0.73	0.68	0.64	0.72	0.67	0.64	0.71	0.67	0.63	0.70	0.66	0.63	0.62
9	0.70	0.64	0.61	0.69	0.64	0.61	0.68	0.64	0.60	0.68	0.63	0.60	0.67	0.63	0.60	0.59
10	0.67	0.61	0.58	0.66	0.61	0.58	0.65	0.61	0.58	0.65	0.60	0.57	0.64	0.60	0.57	0.56



Luminaire Lumens:
FL=1387.26,FM=383.23,FH=15.99,FVH=8.03
BL=1362.2,BM=375.24,BH=16.04,BVH=8.04
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	6520.64	6500.74	6463.28	6403.01	6322.83	6194.67	6079.96	5941.85	5790.86
45.0	6499.57	6514.78	6507.18	6482.01	6427.00	6362.62	6279.52	6180.03	6031.97
90.0	6510.10	6485.52	6447.48	6393.06	6321.66	6208.13	6101.03	5943.02	5796.13
135.0	6516.54	6508.93	6480.25	6415.29	6342.14	6223.93	6110.39	5983.98	5804.32
180.0	6520.64	6514.20	6486.69	6424.07	6353.26	6263.14	6125.02	5993.93	5840.60
225.0	6499.57	6468.55	6421.73	6338.63	6252.02	6118.00	5990.42	5841.77	5677.91
270.0	6510.10	6507.76	6490.20	6451.58	6379.60	6303.52	6209.88	6092.84	5919.02
315.0	6516.54	6494.89	6452.75	6391.89	6309.37	6181.79	6057.14	5918.44	5765.11
360.0	6520.64	6500.74	6463.28	6403.01	6322.83	6194.67	6079.96	5941.85	5790.86

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	5577.25	5397.00	5198.03	4941.11	4725.75	4508.63	4234.75	4014.12	3744.33
45.0	5894.44	5739.36	5567.30	5333.21	5127.80	4912.44	4634.46	4406.22	4121.80
90.0	5629.92	5399.34	5198.61	4982.08	4755.60	4467.08	4231.82	3990.71	3753.69
135.0	5643.97	5469.57	5283.47	5086.25	4823.48	4603.44	4376.96	4144.62	3844.40
180.0	5642.21	5459.62	5269.42	5062.84	4794.22	4575.93	4348.87	4123.55	3846.74
225.0	5498.25	5255.38	5047.62	4834.60	4616.90	4339.50	4119.46	3900.00	3629.04
270.0	5769.21	5553.26	5365.99	5162.91	4898.39	4680.69	4457.13	4227.14	3943.89
315.0	5555.01	5376.52	5188.08	4944.04	4742.72	4535.55	4266.35	4046.30	3761.88
360.0	5577.25	5397.00	5198.03	4941.11	4725.75	4508.63	4234.75	4014.12	3744.33

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	3534.23	3327.06	3125.16	2882.88	2699.12	2524.13	2358.52	2168.32	2031.96
45.0	3898.83	3683.46	3420.11	3218.21	3026.26	2848.35	2637.08	2477.32	2329.25
90.0	3460.49	3229.92	3002.26	2782.80	2524.13	2331.01	2109.79	1954.71	1817.18
135.0	3602.70	3305.41	3067.22	2831.96	2552.22	2344.47	2151.35	1934.81	1784.99
180.0	3637.23	3412.51	3145.06	2949.59	2721.94	2552.81	2391.29	2192.90	2066.49
225.0	3416.02	3160.27	2970.66	2791.58	2585.00	2432.25	2291.21	2160.71	2038.98
270.0	3725.60	3506.14	3270.30	3001.09	2806.80	2594.95	2353.25	2182.36	2022.01
315.0	3524.87	3284.93	3046.74	2814.99	2538.18	2331.59	2141.40	1970.51	1784.41
360.0	3534.23	3327.06	3125.16	2882.88	2699.12	2524.13	2358.52	2168.32	2031.96

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1902.04	1785.58	1658.00	1568.46	1467.80	1393.48	1329.10	1155.06	1155.06
45.0	2189.39	2059.47	1913.74	1808.40	1690.19	1604.75	1521.64	1430.35	1364.22
90.0	1666.19	1563.19	1475.41	1382.36	1316.81	1165.89	1165.89	1131.94	1029.24
135.0	1656.25	1547.39	1436.20	1364.22	1303.94	1250.10	1192.16	1152.37	1097.36
180.0	1931.89	1820.11	1693.11	1598.89	1514.04	1439.71	1370.66	1295.75	1229.62
225.0	1899.11	1797.28	1704.23	1618.21	1521.06	1447.32	1367.14	1143.59	1143.59
270.0	1850.54	1727.64	1591.29	1497.65	1417.47	1348.42	1268.24	1215.57	1161.73
315.0	1658.00	1549.15	1436.20	1361.29	1285.21	1157.93	1157.93	1123.34	1050.89
360.0	1902.04	1785.58	1658.00	1568.46	1467.80	1393.48	1329.10	1155.06	1155.06

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	1037.60	900.84	708.59	551.46	402.75	271.72	145.37	84.21	60.75
45.0	1275.85	1116.08	968.02	810.60	654.93	468.24	331.30	299.11	299.11
90.0	907.45	772.50	597.28	457.41	328.08	185.69	98.26	46.00	37.86
135.0	978.55	855.07	679.50	533.78	392.74	296.18	296.18	63.97	39.09
180.0	1108.47	983.24	839.27	646.15	492.23	347.68	314.32	176.91	69.70
225.0	1005.59	857.65	707.83	522.61	380.22	257.15	160.23	98.73	84.27
270.0	1071.61	927.64	795.38	656.68	482.28	351.19	319.59	178.96	52.67
315.0	945.61	824.11	687.70	510.84	371.21	246.09	139.99	57.70	37.63
360.0	1037.60	900.84	708.59	551.46	402.75	271.72	145.37	84.21	60.75

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	49.16	42.37	35.41	31.49	29.03	26.39	24.76	23.35	22.12
45.0	85.15	72.39	61.98	51.79	45.00	39.44	35.87	32.83	30.20
90.0	31.78	28.09	24.29	22.59	21.54	20.60	19.61	18.96	18.49
135.0	33.01	27.86	25.28	23.00	21.71	20.66	20.01	19.31	18.84
180.0	57.88	47.64	41.84	36.75	32.89	29.61	27.51	25.22	23.76
225.0	72.80	63.97	54.48	48.52	44.01	39.15	35.82	32.19	29.79
270.0	40.09	32.77	29.09	25.98	23.47	21.95	20.95	20.13	19.37
315.0	31.19	27.62	24.99	22.12	21.24	20.48	19.72	19.20	18.73
360.0	49.16	42.37	35.41	31.49	29.03	26.39	24.76	23.35	22.12

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	21.13	20.01	19.25	18.61	18.08	17.56	17.21	16.80	16.56
45.0	27.51	25.63	24.05	22.65	21.24	20.25	19.49	18.84	18.08
90.0	17.91	17.56	17.21	16.85	16.62	16.39	16.21	16.09	15.98
135.0	18.43	17.97	17.67	17.38	17.09	16.85	16.68	16.50	16.39
180.0	22.47	21.13	20.25	19.49	18.84	18.20	17.79	17.38	17.03
225.0	27.68	25.87	23.94	22.65	21.54	20.66	19.61	18.96	18.32
270.0	18.67	18.20	17.79	17.32	17.03	16.80	16.56	16.39	16.21
315.0	18.38	17.97	17.62	17.38	17.15	16.85	16.68	16.50	16.33
360.0	21.13	20.01	19.25	18.61	18.08	17.56	17.21	16.80	16.56

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	16.33	16.09	15.98	15.80	15.63	15.51	15.45	15.33	15.27
45.0	17.62	17.15	16.80	16.50	16.27	16.04	15.86	15.68	15.51
90.0	15.80	15.74	15.63	15.57	15.45	15.39	15.39	15.33	15.27
135.0	16.21	16.09	15.92	15.86	15.74	15.68	15.57	15.45	15.39
180.0	16.74	16.44	16.27	16.04	15.86	15.74	15.57	15.45	15.33
225.0	17.79	17.26	16.91	16.56	16.27	16.04	15.80	15.68	15.51
270.0	16.04	15.92	15.80	15.68	15.57	15.51	15.45	15.39	15.33
315.0	16.21	16.09	15.98	15.86	15.68	15.63	15.57	15.45	15.45
360.0	16.33	16.09	15.98	15.80	15.63	15.51	15.45	15.33	15.27

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	15.16	15.10	15.04	14.98	14.92	14.86	14.81	14.81	14.75
45.0	15.39	15.33	15.16	15.10	15.04	14.98	14.86	14.86	14.81
90.0	15.16	15.16	15.10	15.04	14.98	14.98	14.92	14.92	14.86
135.0	15.33	15.27	15.22	15.16	15.10	15.04	14.98	14.98	14.92
180.0	15.27	15.22	15.16	15.04	14.98	14.98	14.92	14.86	14.81
225.0	15.39	15.27	15.16	15.10	15.04	14.92	14.86	14.86	14.81
270.0	15.27	15.22	15.16	15.10	15.04	15.04	14.98	14.92	14.92
315.0	15.27	15.27	15.22	15.16	15.10	15.04	14.98	14.92	14.92
360.0	15.16	15.10	15.04	14.98	14.92	14.86	14.81	14.81	14.75

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	14.75	14.75	14.69	14.63	14.63	14.63	14.63	14.57	14.51
45.0	14.81	14.75	14.69	14.69	14.63	14.63	14.63	14.57	14.57
90.0	14.81	14.86	14.81	14.75	14.75	14.75	14.69	14.63	14.63
135.0	14.92	14.86	14.86	14.81	14.81	14.75	14.75	14.75	14.63
180.0	14.75	14.75	14.75	14.69	14.63	14.69	14.63	14.57	14.51
225.0	14.75	14.75	14.69	14.69	14.69	14.63	14.57	14.57	14.51
270.0	14.86	14.86	14.81	14.81	14.81	14.75	14.75	14.75	14.63
315.0	14.86	14.86	14.81	14.81	14.81	14.75	14.75	14.69	14.63
360.0	14.75	14.75	14.69	14.63	14.63	14.63	14.63	14.57	14.51

Intensity data(cd)

C/γ(°)	90.0
0.0	14.51
45.0	14.51
90.0	14.63
135.0	14.63
180.0	14.51
225.0	14.51
270.0	14.63
315.0	14.63
360.0	14.51