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

NT

Client: NT
LumCAT: 1-1604-L
Luminaire: 92.70.410.00 LED HOLDER
Report No: 20250317-B002
Ballast type: DC

Test No: 20250317-C002	Voltage(V): 35.050
LampCAT: LUMILEDS LUXEON COB 1203	Current(A): 0.301
Lamp flux(lm): 1719.3	Power (W): 10.550
Number of Lamps: 1	PF: 0.000
Length(mm): 50	Width(mm): 50
Phm Type: C	Height(mm): 33

Photometric Results

Lumens(lm): 1654.49, Efficiency(%): 96.23% , Luminous Efficacy(lm/W): 156.82
Central intensity(cd): 6610.760, Maximum intensity(cd): 6679.231
Angle of maximum intensity: C=135.0 γ=1.0
Beam Angle(50%Imax): [C0/180]Total=23.6
[C90/270]Total=24.1
Field angle(10%Imax): [C0/180]Total=54.8
[C90/270]Total=54.2
Maximum s/h(1/2): C0_180=0.44 C90_270=0.39
Maximum s/h(1/4): C0_180=0.45 C90_270=0.41
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 95.96%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 98.888%

Equipment: GMS1980	Date: 2025/3/20	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	6648.946	0.000	0	0.00%	0.00%
1.0	6619.319	6.349	6.349	0.37%	0.38%
2.0	6526.780	18.869	25.217	1.10%	1.52%
3.0	6370.745	30.847	56.064	1.79%	3.39%
4.0	6144.994	41.894	97.958	2.44%	5.92%
5.0	5821.584	51.480	149.438	2.99%	9.03%
6.0	5497.004	59.482	208.92	3.46%	12.63%
7.0	5128.312	65.951	274.871	3.84%	16.61%
8.0	4752.963	70.718	345.589	4.11%	20.89%
9.0	4410.314	74.263	419.853	4.32%	25.38%
10.0	4027.796	76.362	496.215	4.44%	29.99%
11.0	3694.364	77.160	573.375	4.49%	34.66%
12.0	3336.499	76.857	650.232	4.47%	39.30%
13.0	2955.884	74.675	724.907	4.34%	43.81%
14.0	2622.525	71.403	796.31	4.15%	48.13%
15.0	2326.986	67.949	864.259	3.95%	52.24%
16.0	2059.319	64.272	928.531	3.74%	56.12%
17.0	1786.604	59.891	988.422	3.48%	59.74%
18.0	1539.866	54.846	1043.268	3.19%	63.06%
19.0	1337.883	50.067	1093.335	2.91%	66.08%
20.0	1249.960	47.365	1140.7	2.75%	68.95%
21.0	1118.914	45.487	1186.187	2.65%	71.70%
22.0	1007.158	42.724	1228.912	2.49%	74.28%
23.0	921.700	40.473	1269.384	2.35%	76.72%
24.0	842.417	38.570	1307.954	2.24%	79.05%
25.0	778.664	36.860	1344.814	2.14%	81.28%
26.0	727.215	35.546	1380.36	2.07%	83.43%
27.0	676.944	34.353	1414.713	2.00%	85.51%
28.0	624.442	32.948	1447.662	1.92%	87.50%
29.0	559.636	30.979	1478.641	1.80%	89.37%
30.0	480.784	28.091	1506.732	1.63%	91.07%
31.0	409.577	24.777	1531.509	1.44%	92.57%
32.0	336.139	21.364	1552.873	1.24%	93.86%
33.0	269.906	17.854	1570.727	1.04%	94.94%
34.0	222.020	14.887	1585.615	0.87%	95.84%
35.0	156.614	11.759	1597.374	0.68%	96.55%
36.0	80.988	7.565	1604.939	0.44%	97.01%
37.0	49.174	4.245	1609.184	0.25%	97.26%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	30.037	2.644	1611.828	0.15%	97.42%
39.0	22.912	1.807	1613.635	0.11%	97.53%
40.0	19.422	1.476	1615.112	0.09%	97.62%
41.0	15.999	1.261	1616.373	0.07%	97.70%
42.0	13.585	1.075	1617.448	0.06%	97.76%
43.0	11.778	0.939	1618.387	0.05%	97.82%
44.0	11.156	0.866	1619.253	0.05%	97.87%
45.0	10.717	0.841	1620.093	0.05%	97.92%
46.0	10.337	0.823	1620.917	0.05%	97.97%
47.0	10.000	0.809	1621.726	0.05%	98.02%
48.0	9.671	0.795	1622.521	0.05%	98.07%
49.0	9.349	0.781	1623.302	0.05%	98.12%
50.0	9.056	0.767	1624.069	0.04%	98.16%
51.0	8.808	0.756	1624.825	0.04%	98.21%
52.0	8.617	0.748	1625.573	0.04%	98.25%
53.0	8.478	0.744	1626.316	0.04%	98.30%
54.0	8.332	0.741	1627.057	0.04%	98.34%
55.0	8.215	0.739	1627.796	0.04%	98.39%
56.0	8.135	0.739	1628.535	0.04%	98.43%
57.0	8.025	0.739	1629.274	0.04%	98.48%
58.0	7.930	0.738	1630.011	0.04%	98.52%
59.0	7.798	0.735	1630.747	0.04%	98.57%
60.0	7.725	0.733	1631.48	0.04%	98.61%
61.0	7.652	0.734	1632.214	0.04%	98.65%
62.0	7.593	0.735	1632.948	0.04%	98.70%
63.0	7.542	0.736	1633.685	0.04%	98.74%
64.0	7.491	0.738	1634.422	0.04%	98.79%
65.0	7.469	0.740	1635.163	0.04%	98.83%
66.0	7.425	0.743	1635.906	0.04%	98.88%
67.0	7.403	0.746	1636.651	0.04%	98.92%
68.0	7.388	0.749	1637.401	0.04%	98.97%
69.0	7.352	0.752	1638.153	0.04%	99.01%
70.0	7.345	0.755	1638.907	0.04%	99.06%
71.0	7.323	0.758	1639.665	0.04%	99.10%
72.0	7.323	0.762	1640.427	0.04%	99.15%
73.0	7.301	0.765	1641.192	0.04%	99.20%
74.0	7.279	0.766	1641.958	0.04%	99.24%
75.0	7.271	0.769	1642.727	0.04%	99.29%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	7.264	0.772	1643.499	0.04%	99.34%
77.0	7.264	0.775	1644.273	0.05%	99.38%
78.0	7.264	0.778	1645.051	0.05%	99.43%
79.0	7.242	0.779	1645.83	0.05%	99.48%
80.0	7.242	0.781	1646.611	0.05%	99.52%
81.0	7.228	0.782	1647.394	0.05%	99.57%
82.0	7.228	0.784	1648.177	0.05%	99.62%
83.0	7.220	0.785	1648.963	0.05%	99.67%
84.0	7.228	0.787	1649.75	0.05%	99.71%
85.0	7.213	0.788	1650.538	0.05%	99.76%
86.0	7.213	0.789	1651.327	0.05%	99.81%
87.0	7.213	0.789	1652.116	0.05%	99.86%
88.0	7.213	0.790	1652.906	0.05%	99.90%
89.0	7.213	0.791	1653.697	0.05%	99.95%
90.0	7.198	0.790	1654.487	0.05%	100.00%

Zonal flux distribution table

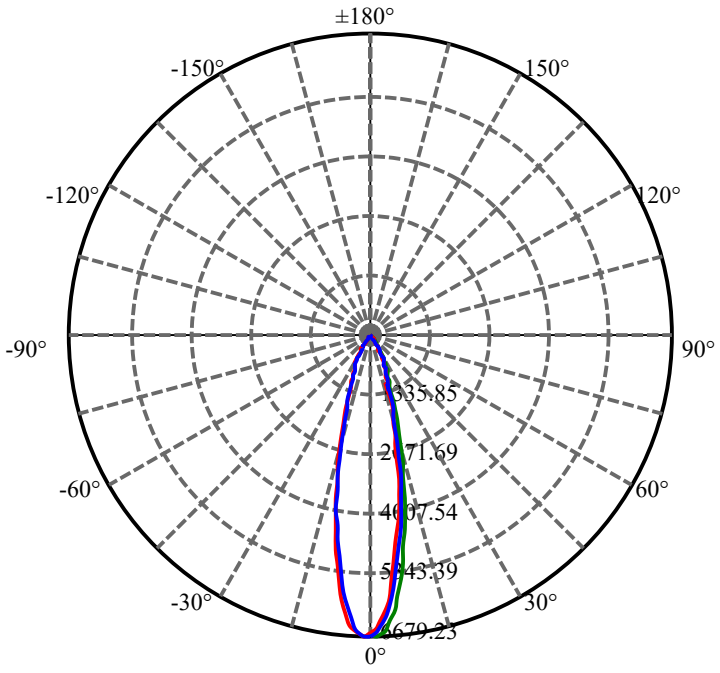
ZONAL LUMEN SUMMARY

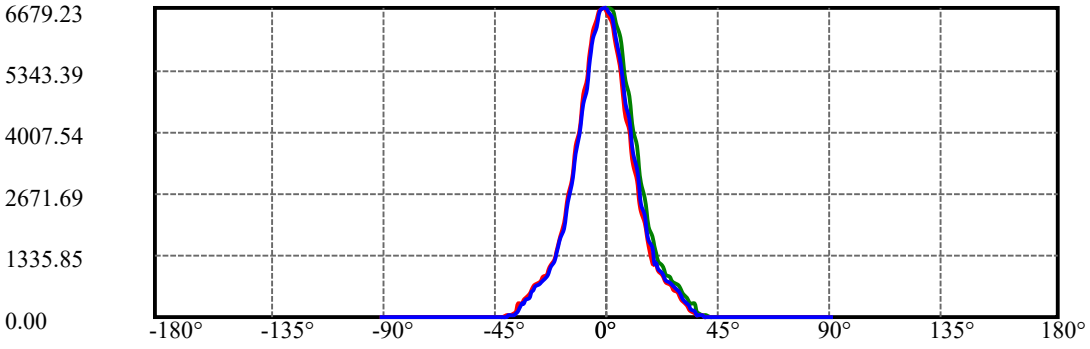
Zone	Lumens	%Lamp	%Fixt
0-30	1506.73	87.64%	91.07%
0-40	1615.11	93.94%	97.62%
0-60	1631.48	94.89%	98.61%
0-90	1653.70	96.19%	99.95%
0-120	1653.70	96.19%	99.95%
0-180	1654.49	96.23%	100.00%
60-90	22.22	1.29%	1.34%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-24.42	1323.59	76.99%	80.00%

ZONAL LUMEN SUMMARY

0-10	496.21
10-20	644.49
20-30	366.03
30-40	108.38
40-50	8.96
50-60	7.41
60-70	7.43
70-80	7.70
80-90	7.09
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):

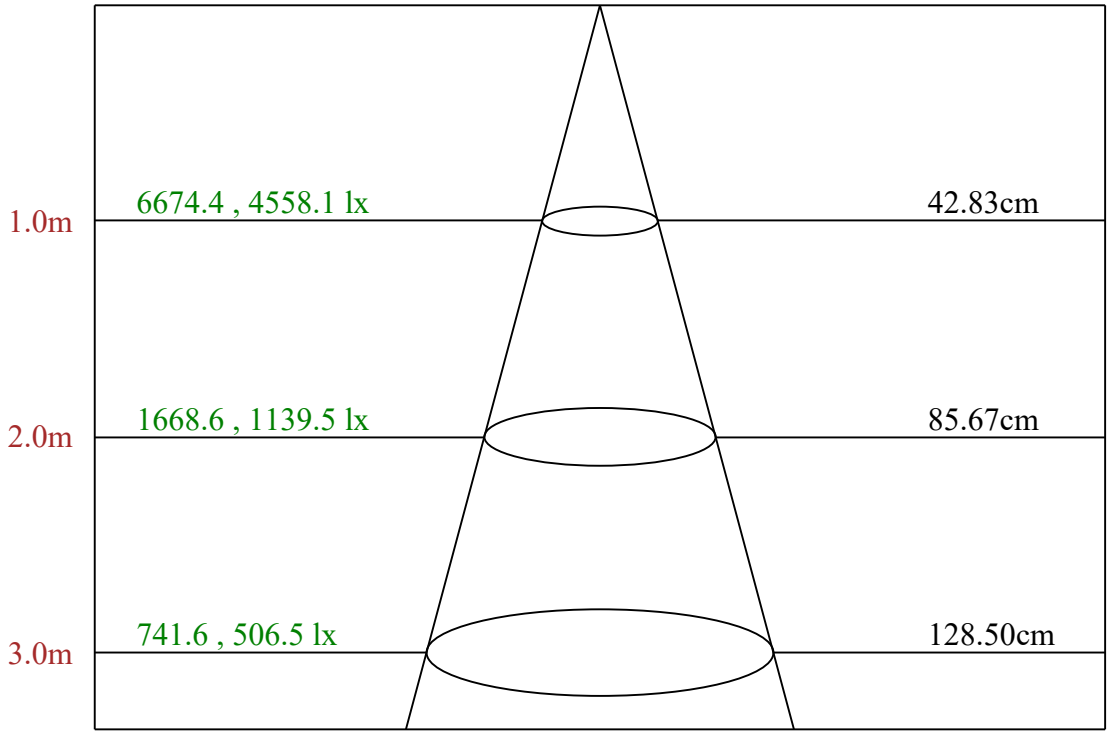
C0/C180:

C90/C270:

Field angle(10%Imax):C0/180Left:27.9 Right:26.9
:C90/270Left:27.6 Right:26.6

Beam Angle(50%Imax):C0/180Left:11.8 Right:11.8
:C90/270Left:12.5 Right:11.6

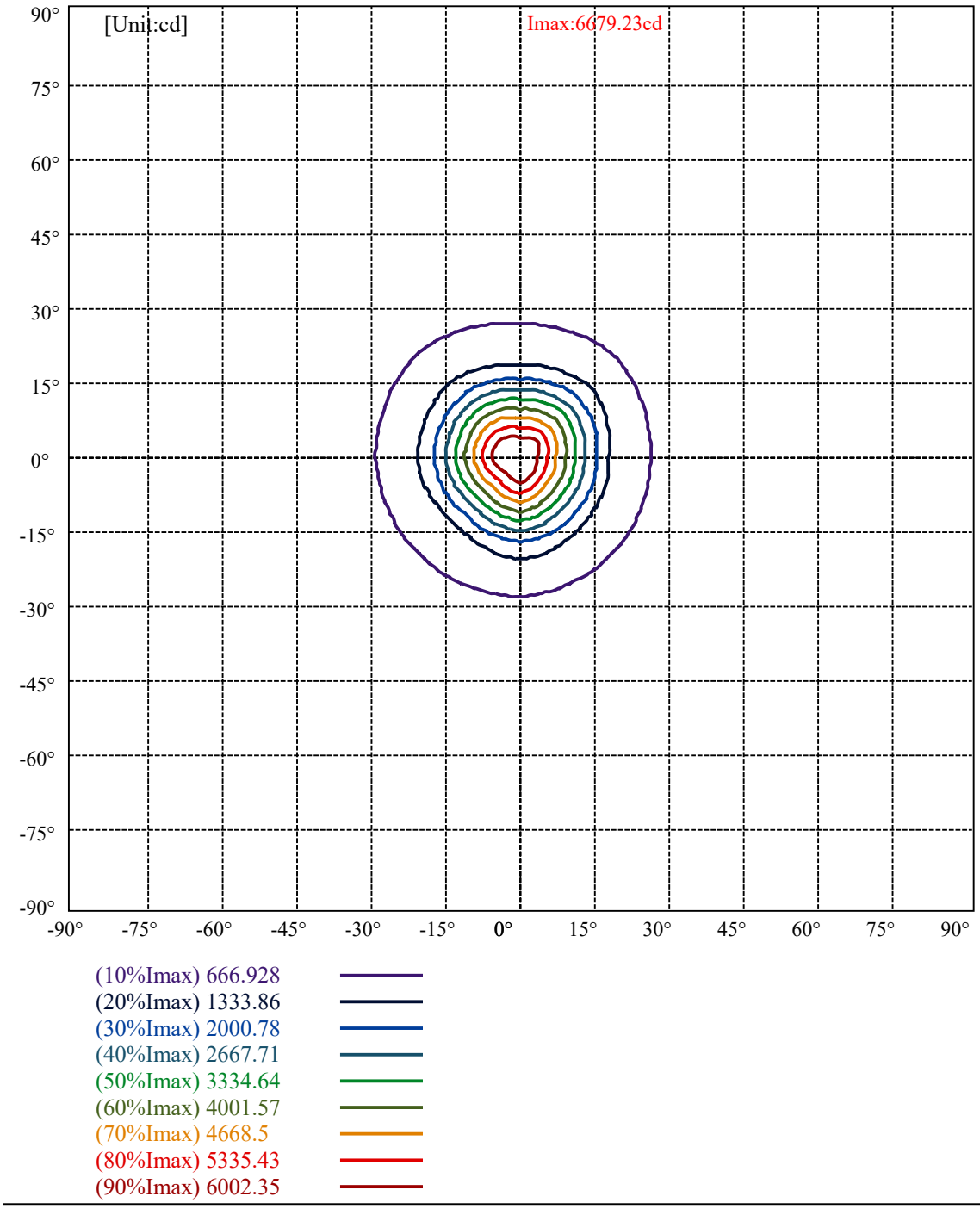
Lux distance Curve



Max , Ave

Beam angle of C135 plane 24.18

ISO-Intensity(V-H)



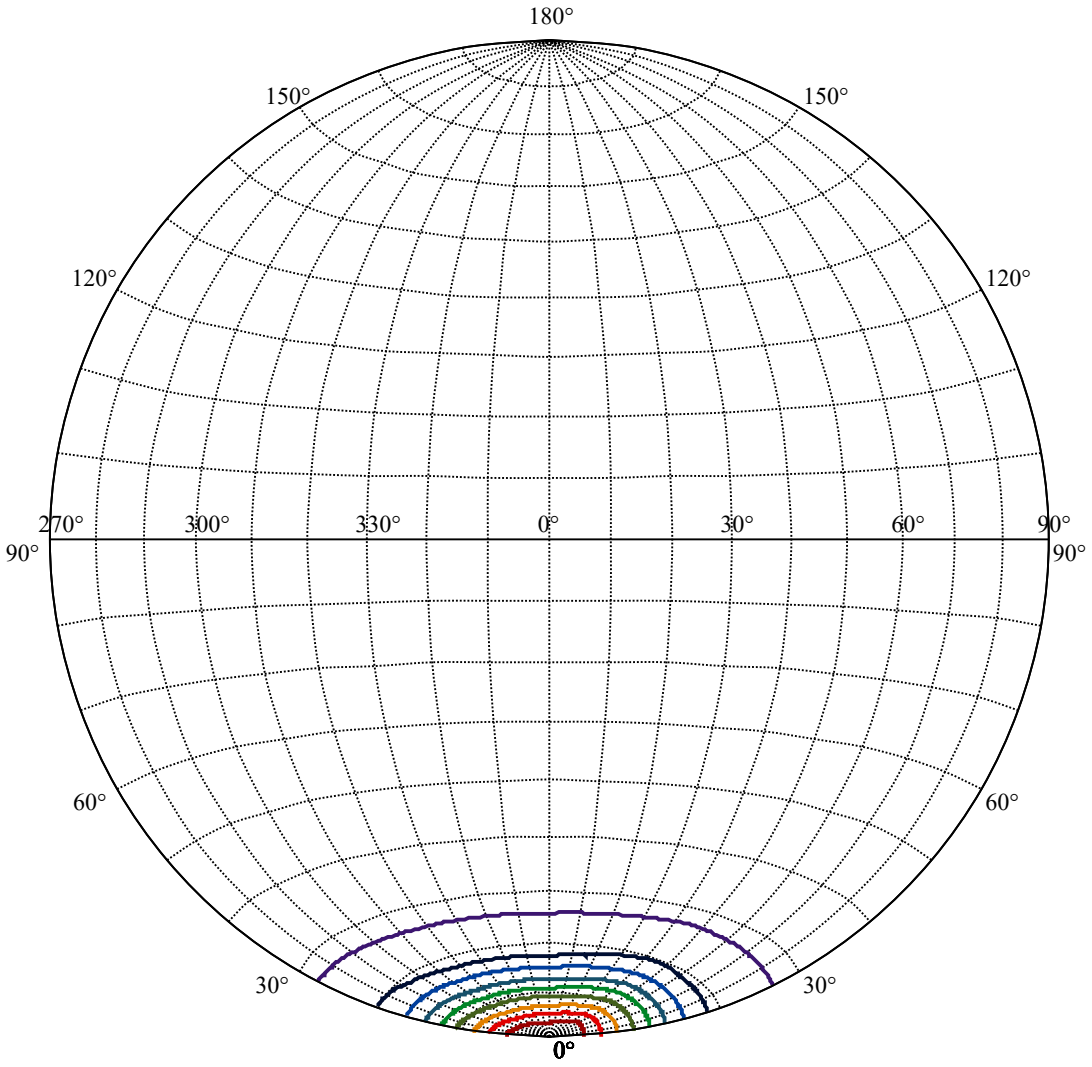
(10%Imax) 666.928
(20%Imax) 1333.86
(30%Imax) 2000.78
(40%Imax) 2667.71
(50%Imax) 3334.64
(60%Imax) 4001.57
(70%Imax) 4668.5
(80%Imax) 5335.43
(90%Imax) 6002.35

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2025/3/20
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

ISO candela diagram on circular web



House [Unit:cd] Road

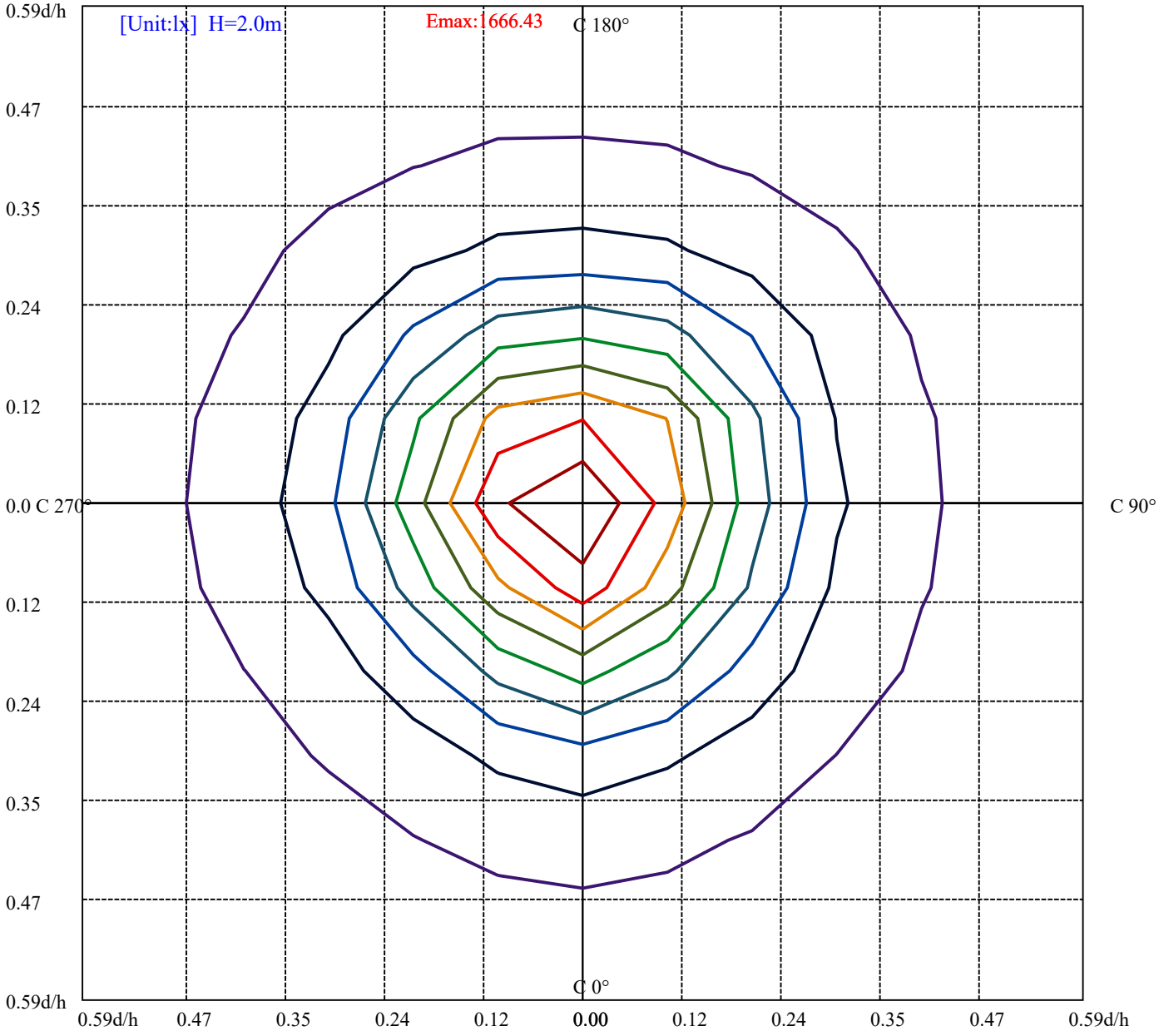
Imax:6679.23

(10%Imax) 667.742
(20%Imax) 1335.48
(30%Imax) 2003.23
(40%Imax) 2670.97
(50%Imax) 3338.71
(60%Imax) 4006.45
(70%Imax) 4674.19
(80%Imax) 5341.93
(90%Imax) 6009.68

Equipment: GMS1980 Date: 2025/3/20 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

NT NT 1-1604-L

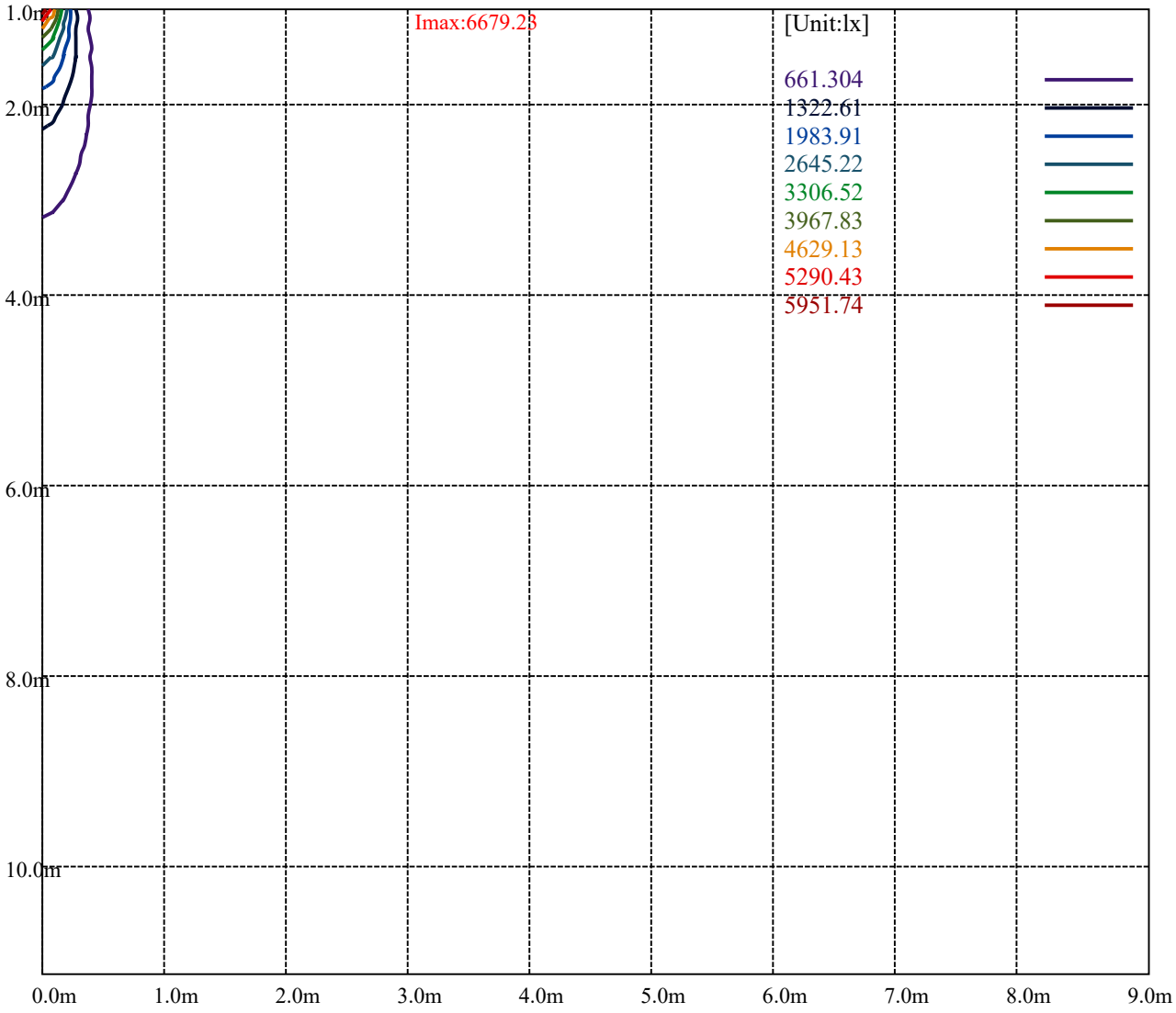
ISO illuminance diagram



Equipment: GMS1980 Date: 2025/3/20 Operator: NT07

Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 25.0

Date: 2025/3/20
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

NT NT 1-1604-L

Luminance Limitting Curve(no luminous side)

Luminance Table

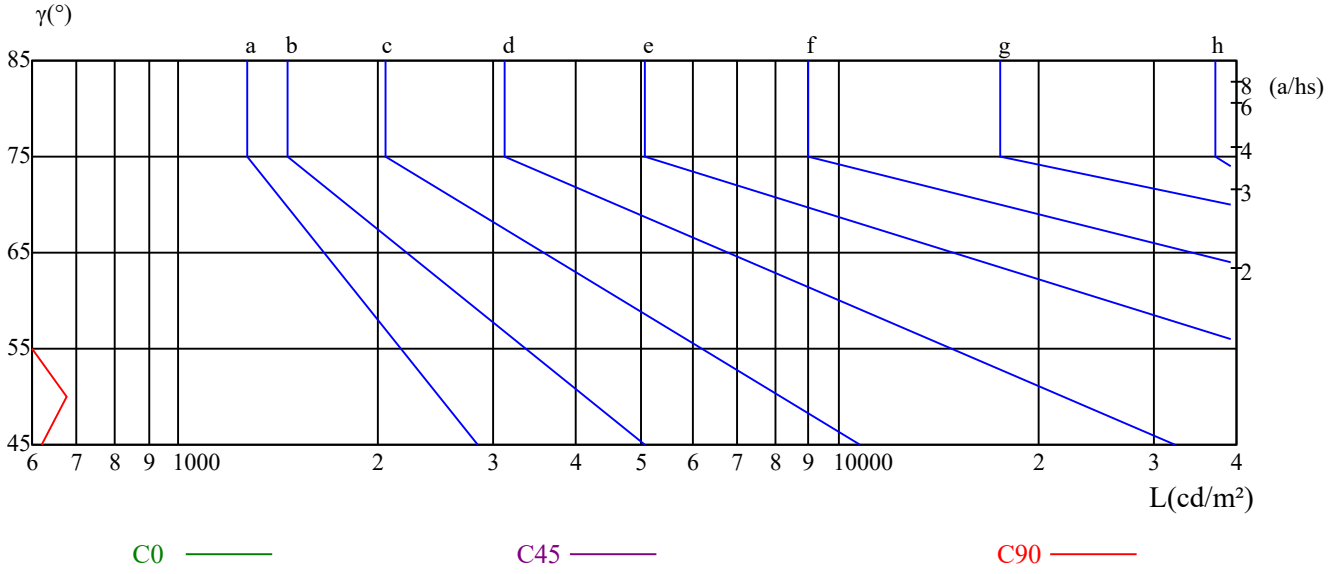
γ	45	50	55	60	65	70	75	80	85
C0	399	320	210	218	294	243	261	284	314
C45	438	355	235	248	337	284	310	345	391
C90	621	675	373	420	485	579	726	981	1531

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
631	554	593	904	904	904	2686	2686	2686

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

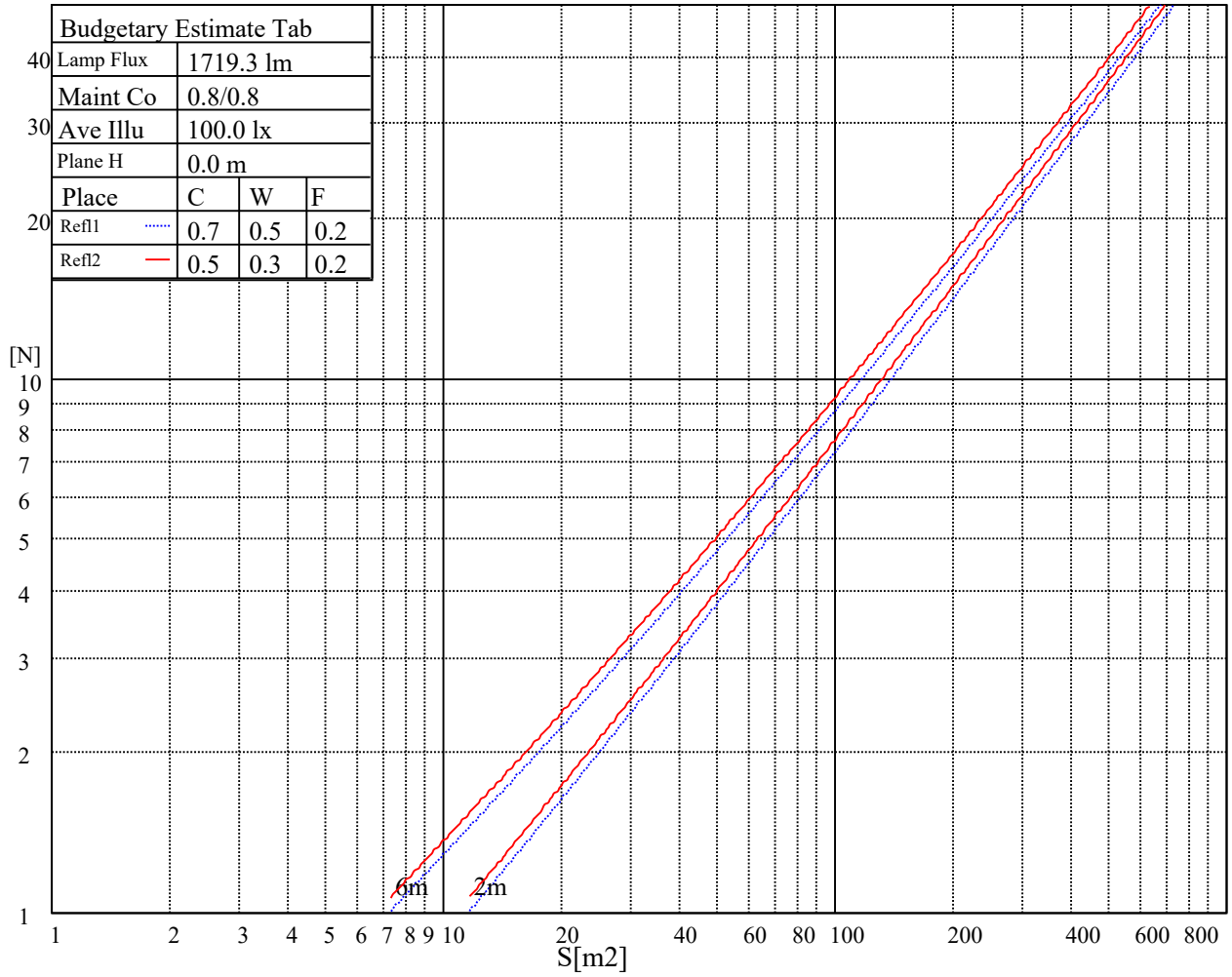
Luminance Limitting Curve



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	4.30	5.21	4.66	5.52	5.84	5.58	6.49	5.94	6.80	7.12
	3H	4.55	5.37	4.94	5.70	6.05	5.82	6.63	6.20	6.97	7.31
	4H	4.84	5.59	5.24	5.95	6.32	6.15	6.91	6.55	7.26	7.63
	6H	5.31	5.99	5.73	6.37	6.77	6.79	7.48	7.21	7.86	8.26
	8H	5.58	6.24	6.00	6.63	7.03	7.24	7.90	7.66	8.28	8.69
	12H	5.90	6.52	6.33	6.92	7.34	7.84	8.46	8.26	8.85	9.27
4H	2H	4.15	4.90	4.55	5.25	5.62	5.37	6.13	5.77	6.48	6.85
	3H	4.58	5.21	5.00	5.61	6.03	5.76	6.40	6.19	6.79	7.21
	4H	5.10	5.64	5.53	6.07	6.52	6.33	6.87	6.77	7.30	7.75
	6H	5.77	6.25	6.24	6.71	7.16	7.20	7.69	7.68	8.14	8.60
	8H	6.21	6.66	6.70	7.12	7.60	7.86	8.30	8.34	8.76	9.24
	12H	6.71	7.12	7.20	7.57	8.10	8.68	9.09	9.17	9.55	10.07
8H	4H	5.28	5.73	5.76	6.19	6.66	6.40	6.85	6.89	7.31	7.78
	6H	6.19	6.56	6.70	7.04	7.55	7.50	7.86	8.01	8.34	8.86
	8H	6.85	7.15	7.38	7.67	8.17	8.36	8.67	8.90	9.19	9.69
	12H	7.53	7.76	8.08	8.28	8.81	9.40	9.63	9.94	10.15	10.67
12H	4H	5.34	5.76	5.83	6.21	6.73	6.41	6.83	6.90	7.28	7.80
	6H	6.39	6.69	6.93	7.22	7.72	7.62	7.92	8.15	8.45	8.95
	8H	7.09	7.32	7.64	7.84	8.37	8.52	8.75	9.06	9.27	9.79
Variation with the observer position at spacings:											
S = 1.0H		5.5/-4.3					5.3/-3.9				
S = 1.5H		6.9/-3.0					6.8/-2.7				
S = 2.0H		7.8/-2.2					7.9/-2.0				
Standard tables:		BK4					BK4				
Uncorrected UGR		-9.7					-11.3				

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

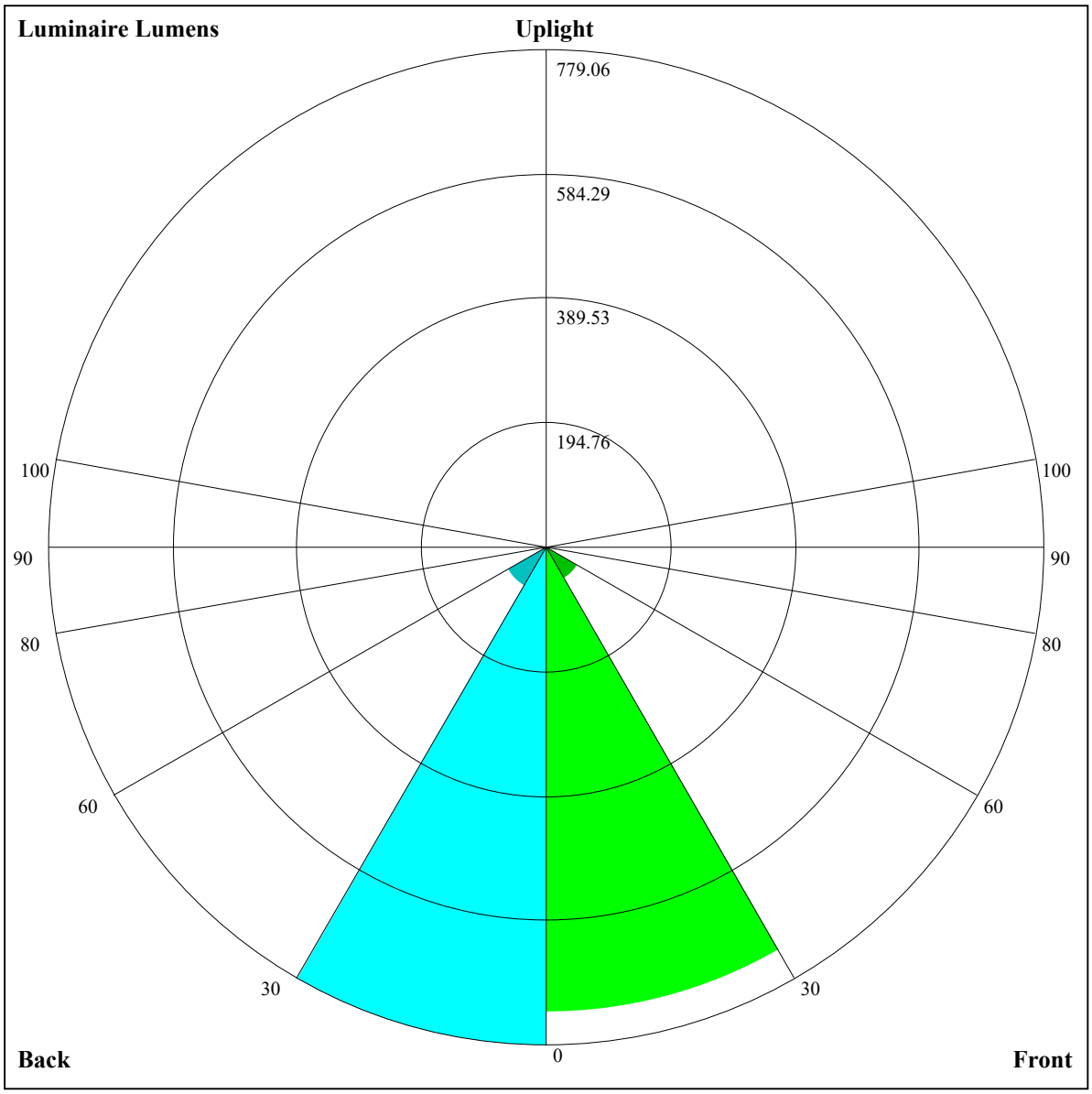
Budgetary Estimate Table



Equipment: GMS1980 Date: 2025/3/20 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	1.12	1.12	1.12	1.07	1.07	1.07	1.02	1.02	1.02	0.98	0.98	0.98	0.96
1	1.08	1.06	1.04	1.06	1.04	1.02	1.02	1.00	0.99	0.98	0.97	0.96	0.95	0.94	0.93	0.92
2	1.02	0.99	0.96	1.00	0.98	0.95	0.97	0.95	0.93	0.95	0.93	0.91	0.92	0.91	0.89	0.88
3	0.97	0.93	0.90	0.96	0.92	0.90	0.94	0.91	0.88	0.91	0.89	0.87	0.89	0.87	0.86	0.84
4	0.93	0.89	0.86	0.92	0.88	0.85	0.90	0.87	0.84	0.88	0.85	0.83	0.86	0.84	0.82	0.81
5	0.89	0.85	0.81	0.88	0.84	0.81	0.87	0.83	0.80	0.85	0.82	0.80	0.84	0.81	0.79	0.78
6	0.85	0.81	0.78	0.85	0.81	0.78	0.84	0.80	0.77	0.82	0.79	0.77	0.81	0.78	0.76	0.75
7	0.82	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	0.74	0.73
8	0.79	0.75	0.72	0.79	0.75	0.72	0.78	0.74	0.72	0.77	0.74	0.71	0.76	0.73	0.71	0.70
9	0.77	0.72	0.70	0.76	0.72	0.69	0.75	0.72	0.69	0.75	0.71	0.69	0.74	0.71	0.69	0.68
10	0.74	0.70	0.67	0.74	0.70	0.67	0.73	0.69	0.67	0.73	0.69	0.67	0.72	0.69	0.67	0.66



Luminaire Lumens:
FL=729.32,FM=55.7,FH=7.56,FVH=3.94
BL=779.06,BM=70.69,BH=7.57,BVH=3.93
UL=0,UH=0

BUG Rating:B2-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	6610.76	6504.25	6329.85	6111.56	5830.07	5421.58	5072.79	4648.50	4323.70
45.0	6665.77	6652.90	6582.08	6404.76	6205.78	5932.48	5540.97	5215.00	4803.59
90.0	6665.19	6601.98	6479.67	6252.02	6002.71	5620.56	5293.42	4959.26	4622.75
135.0	6654.07	6679.23	6638.27	6559.26	6348.58	6117.42	5832.41	5437.97	5101.46
180.0	6610.76	6669.28	6644.70	6580.91	6442.80	6181.79	5911.42	5594.81	5145.94
225.0	6665.77	6616.03	6506.00	6328.10	6089.32	5718.29	5382.37	5017.78	4661.96
270.0	6665.19	6664.02	6621.88	6511.27	6278.94	6028.46	5734.09	5389.40	4934.68
315.0	6654.07	6566.87	6411.78	6218.07	5961.75	5552.09	5208.56	4763.79	4429.63
360.0	6610.76	6504.25	6329.85	6111.56	5830.07	5421.58	5072.79	4648.50	4323.70

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	4004.17	3587.49	3260.35	2932.04	2548.71	2273.07	2022.60	1795.53	1549.15
45.0	4485.81	4158.67	3832.70	3499.12	3083.02	2752.37	2445.71	2168.90	1862.83
90.0	4289.17	3878.34	3533.65	3187.19	2854.79	2460.93	2188.21	1883.31	1673.80
135.0	4755.01	4348.87	4017.04	3682.29	3252.15	2915.65	2592.61	2295.31	1965.24
180.0	4811.19	4385.73	4039.87	3699.85	3268.54	2930.87	2619.53	2318.13	2053.03
225.0	4234.75	3901.17	3562.91	3147.40	2824.35	2445.13	2175.34	1928.96	1664.44
270.0	4601.68	4271.62	3945.06	3513.16	3169.05	2843.08	2470.29	2210.45	1902.62
315.0	4100.73	3690.49	3363.35	3030.94	2646.45	2359.10	2101.60	1873.95	1621.72
360.0	4004.17	3587.49	3260.35	2932.04	2548.71	2273.07	2022.60	1795.53	1549.15

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1164.13	1164.13	1105.08	985.05	901.77	828.21	749.38	703.50	662.77
45.0	1651.56	1429.18	1277.60	1147.10	1016.01	929.98	846.88	770.80	721.06
90.0	1491.80	1161.50	1161.50	1049.89	935.31	854.49	791.28	742.77	692.85
135.0	1738.76	1549.73	1386.46	1218.50	1109.06	1016.59	921.79	855.66	788.94
180.0	1762.76	1580.17	1415.13	1234.88	1119.01	1021.28	922.37	855.07	800.65
225.0	1484.77	1142.30	1142.30	1090.10	977.38	903.59	840.03	786.54	730.36
270.0	1699.55	1520.47	1356.02	1183.97	1069.26	973.29	887.84	801.82	750.90
315.0	1325.59	1155.59	1155.59	1041.82	929.45	846.18	779.75	713.16	670.20
360.0	1164.13	1164.13	1105.08	985.05	901.77	828.21	749.38	703.50	662.77

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	592.95	531.56	451.74	378.87	314.03	245.03	167.96	114.88	68.30
45.0	679.50	632.69	571.24	493.40	424.35	357.63	308.47	308.47	145.72
90.0	649.83	596.34	531.50	448.28	376.01	303.56	235.38	160.00	107.86
135.0	745.64	704.08	648.49	565.39	493.99	421.42	347.68	295.60	295.60
180.0	746.81	710.52	660.78	574.75	509.20	432.54	359.39	309.64	309.64
225.0	688.17	631.40	548.12	472.39	402.28	312.16	241.99	163.39	108.79
270.0	704.08	643.81	588.21	520.32	433.13	358.22	302.03	302.03	141.92
315.0	608.58	545.14	477.02	392.86	323.63	258.55	196.34	122.14	75.08
360.0	592.95	531.56	451.74	378.87	314.03	245.03	167.96	114.88	68.30

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	37.81	25.52	22.06	19.49	16.85	13.05	12.41	11.70	11.18
45.0	83.86	47.75	27.62	22.77	20.07	17.56	13.81	12.00	11.41
90.0	58.76	36.64	25.75	20.66	17.50	14.81	12.29	11.47	11.00
135.0	127.29	79.06	41.61	27.27	22.88	18.73	15.68	12.17	11.29
180.0	144.90	97.09	51.15	31.54	24.93	19.55	16.21	12.41	11.47
225.0	62.09	36.23	24.23	20.72	17.79	14.92	12.35	11.18	10.71
270.0	91.70	46.17	27.56	22.94	19.72	16.39	14.28	12.11	11.53
315.0	41.49	24.93	20.31	17.91	15.63	12.99	11.65	11.18	10.65
360.0	37.81	25.52	22.06	19.49	16.85	13.05	12.41	11.70	11.18

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	10.77	10.42	10.12	9.83	9.48	9.19	9.01	8.90	8.78
45.0	10.89	10.42	10.12	9.83	9.54	9.19	8.95	8.78	8.60
90.0	10.59	10.24	9.83	9.54	9.25	8.90	8.72	8.54	8.37
135.0	10.83	10.36	10.07	9.66	9.31	9.01	8.72	8.49	8.31
180.0	11.00	10.59	10.18	9.83	9.48	9.19	8.90	8.60	8.49
225.0	10.36	10.01	9.66	9.31	9.07	8.78	8.49	8.37	8.25
270.0	11.06	10.65	10.36	9.95	9.60	9.36	9.01	8.78	8.66
315.0	10.24	10.01	9.66	9.42	9.07	8.84	8.66	8.49	8.37
360.0	10.77	10.42	10.12	9.83	9.48	9.19	9.01	8.90	8.78

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	8.54	8.43	8.31	8.13	8.02	7.84	7.72	7.67	7.61
45.0	8.49	8.31	8.25	8.13	8.02	7.84	7.78	7.72	7.61
90.0	8.25	8.13	8.08	7.96	7.84	7.78	7.67	7.61	7.55
135.0	8.19	8.13	8.02	7.96	7.90	7.78	7.72	7.61	7.61
180.0	8.31	8.25	8.13	8.02	7.96	7.84	7.78	7.67	7.67
225.0	8.13	8.02	7.96	7.90	7.84	7.72	7.67	7.61	7.55
270.0	8.49	8.31	8.25	8.13	8.02	7.84	7.78	7.72	7.61
315.0	8.25	8.13	8.08	7.96	7.84	7.72	7.67	7.61	7.55
360.0	8.54	8.43	8.31	8.13	8.02	7.84	7.72	7.67	7.61

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	7.55	7.55	7.49	7.43	7.43	7.43	7.37	7.37	7.37
45.0	7.55	7.49	7.49	7.43	7.43	7.37	7.37	7.32	7.32
90.0	7.49	7.49	7.43	7.37	7.37	7.37	7.32	7.32	7.26
135.0	7.55	7.49	7.49	7.43	7.43	7.37	7.37	7.37	7.37
180.0	7.61	7.49	7.55	7.49	7.49	7.49	7.43	7.43	7.37
225.0	7.55	7.49	7.43	7.43	7.37	7.37	7.32	7.32	7.32
270.0	7.55	7.49	7.43	7.43	7.37	7.37	7.32	7.32	7.32
315.0	7.49	7.43	7.43	7.37	7.32	7.32	7.32	7.32	7.26
360.0	7.55	7.55	7.49	7.43	7.43	7.43	7.37	7.37	7.37

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	7.37	7.32	7.32	7.32	7.37	7.32	7.32	7.32	7.26
45.0	7.32	7.26	7.32	7.26	7.26	7.26	7.26	7.26	7.20
90.0	7.26	7.26	7.26	7.26	7.20	7.26	7.26	7.20	7.26
135.0	7.32	7.32	7.26	7.26	7.26	7.26	7.26	7.26	7.26
180.0	7.37	7.37	7.32	7.32	7.32	7.32	7.32	7.26	7.32
225.0	7.32	7.32	7.26	7.26	7.26	7.26	7.26	7.26	7.20
270.0	7.32	7.32	7.26	7.26	7.26	7.20	7.26	7.20	7.20
315.0	7.32	7.26	7.26	7.26	7.20	7.26	7.20	7.20	7.26
360.0	7.37	7.32	7.32	7.32	7.37	7.32	7.32	7.32	7.26

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	7.26	7.32	7.26	7.26	7.32	7.26	7.26	7.26	7.26
45.0	7.26	7.26	7.26	7.20	7.20	7.20	7.20	7.20	7.20
90.0	7.20	7.20	7.20	7.20	7.20	7.20	7.20	7.20	7.20
135.0	7.20	7.20	7.20	7.26	7.20	7.20	7.20	7.20	7.20
180.0	7.26	7.26	7.26	7.26	7.20	7.26	7.26	7.26	7.26
225.0	7.26	7.20	7.20	7.26	7.20	7.20	7.20	7.20	7.20
270.0	7.20	7.20	7.20	7.20	7.20	7.20	7.20	7.20	7.20
315.0	7.20	7.20	7.20	7.20	7.20	7.20	7.20	7.20	7.20
360.0	7.26	7.32	7.26	7.26	7.32	7.26	7.26	7.26	7.26

Intensity data(cd)

C/γ(°)	90.0
0.0	7.26
45.0	7.20
90.0	7.20
135.0	7.20
180.0	7.20
225.0	7.20
270.0	7.20
315.0	7.14
360.0	7.26