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NT

Client:
LumCAT: 2-2565-L
Luminaire: 92.70.412.00
Report No: 2024806-B002
Ballast type: AC

Test No: 2024806-C002	Voltage(V): 35.020
LampCAT: CITIZEN CLU038 LES14.5	Current(A): 0.450
Lamp flux(lm): 2571.0	Power (W): 15.759
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 2359.28, Efficiency(%): 91.77% , Luminous Efficacy(lm/W): 149.71
Central intensity(cd): 7262.555, Maximum intensity(cd): 7262.555
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=25.4
[C90/270]Total=25.4
Field angle(10%Imax): [C0/180]Total=62.0
[C90/270]Total=62.0
Maximum s/h(1/2): C0_180=0.42 C90_270=0.42
Maximum s/h(1/4): C0_180=0.48 C90_270=0.48
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 91.77%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 97.786%

NT 2-2565-L

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	7262.554	0.000	0	0.00%	0.00%
1.0	7226.636	6.933	6.933	0.27%	0.29%
2.0	7108.494	20.575	27.508	0.80%	1.17%
3.0	6933.512	33.584	61.092	1.31%	2.59%
4.0	6683.401	45.580	106.672	1.77%	4.52%
5.0	6382.449	56.209	162.881	2.19%	6.90%
6.0	6063.721	65.408	228.289	2.54%	9.68%
7.0	5704.905	73.048	301.336	2.84%	12.77%
8.0	5308.781	78.823	380.159	3.07%	16.11%
9.0	4937.236	83.038	463.197	3.23%	19.63%
10.0	4572.641	86.061	549.258	3.35%	23.28%
11.0	4220.555	87.862	637.12	3.42%	27.00%
12.0	3877.467	88.523	725.643	3.44%	30.76%
13.0	3542.279	88.054	813.697	3.42%	34.49%
14.0	3268.540	87.178	900.875	3.39%	38.18%
15.0	2996.557	86.010	986.885	3.35%	41.83%
16.0	2738.253	84.031	1070.916	3.27%	45.39%
17.0	2503.139	81.623	1152.539	3.17%	48.85%
18.0	2293.043	79.079	1231.617	3.08%	52.20%
19.0	2111.843	76.636	1308.253	2.98%	55.45%
20.0	1951.345	74.368	1382.621	2.89%	58.60%
21.0	1800.942	72.052	1454.672	2.80%	61.66%
22.0	1669.340	69.737	1524.409	2.71%	64.61%
23.0	1552.368	67.600	1592.009	2.63%	67.48%
24.0	1427.839	65.158	1657.167	2.53%	70.24%
25.0	1315.725	62.383	1719.55	2.43%	72.88%
26.0	1208.212	59.578	1779.128	2.32%	75.41%
27.0	1138.124	57.404	1836.531	2.23%	77.84%
28.0	1043.756	55.241	1891.772	2.15%	80.18%
29.0	939.140	51.878	1943.65	2.02%	82.38%
30.0	829.878	47.763	1991.413	1.86%	84.41%
31.0	724.794	43.264	2034.678	1.68%	86.24%
32.0	619.943	38.525	2073.203	1.50%	87.87%
33.0	525.247	33.738	2106.94	1.31%	89.30%
34.0	428.012	28.848	2135.789	1.12%	90.53%
35.0	341.728	23.905	2159.694	0.93%	91.54%
36.0	289.255	20.091	2179.785	0.78%	92.39%
37.0	231.800	16.994	2196.779	0.66%	93.11%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	166.277	13.287	2210.066	0.52%	93.68%
39.0	130.066	10.115	2220.181	0.39%	94.10%
40.0	104.353	8.176	2228.357	0.32%	94.45%
41.0	91.178	6.963	2235.319	0.27%	94.75%
42.0	80.944	6.253	2241.573	0.24%	95.01%
43.0	72.151	5.671	2247.244	0.22%	95.25%
44.0	64.880	5.172	2252.416	0.20%	95.47%
45.0	58.698	4.749	2257.165	0.18%	95.67%
46.0	53.475	4.387	2261.552	0.17%	95.86%
47.0	49.086	4.079	2265.631	0.16%	96.03%
48.0	45.589	3.827	2269.458	0.15%	96.19%
49.0	42.656	3.624	2273.082	0.14%	96.35%
50.0	40.249	3.457	2276.539	0.13%	96.49%
51.0	38.193	3.319	2279.857	0.13%	96.63%
52.0	36.642	3.211	2283.069	0.12%	96.77%
53.0	35.326	3.131	2286.199	0.12%	96.90%
54.0	34.206	3.065	2289.264	0.12%	97.03%
55.0	33.387	3.017	2292.281	0.12%	97.16%
56.0	32.736	2.988	2295.269	0.12%	97.29%
57.0	32.253	2.971	2298.241	0.12%	97.41%
58.0	31.705	2.958	2301.198	0.12%	97.54%
59.0	31.141	2.938	2304.136	0.11%	97.66%
60.0	30.512	2.913	2307.049	0.11%	97.79%
61.0	29.686	2.873	2309.922	0.11%	97.91%
62.0	28.632	2.810	2312.732	0.11%	98.03%
63.0	27.228	2.717	2315.449	0.11%	98.14%
64.0	25.772	2.601	2318.049	0.10%	98.25%
65.0	24.177	2.472	2320.521	0.10%	98.36%
66.0	22.641	2.336	2322.857	0.09%	98.46%
67.0	21.200	2.204	2325.062	0.09%	98.55%
68.0	19.737	2.074	2327.135	0.08%	98.64%
69.0	18.625	1.957	2329.092	0.08%	98.72%
70.0	17.718	1.866	2330.959	0.07%	98.80%
71.0	16.979	1.793	2332.752	0.07%	98.88%
72.0	16.386	1.735	2334.487	0.07%	98.95%
73.0	15.903	1.689	2336.176	0.07%	99.02%
74.0	15.435	1.648	2337.823	0.06%	99.09%
75.0	15.004	1.608	2339.431	0.06%	99.16%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	14.565	1.570	2341.001	0.06%	99.23%
77.0	14.155	1.531	2342.532	0.06%	99.29%
78.0	13.753	1.494	2344.026	0.06%	99.35%
79.0	13.365	1.457	2345.483	0.06%	99.42%
80.0	12.948	1.419	2346.902	0.06%	99.48%
81.0	12.575	1.380	2348.282	0.05%	99.53%
82.0	12.195	1.343	2349.625	0.05%	99.59%
83.0	11.843	1.307	2350.932	0.05%	99.65%
84.0	11.536	1.274	2352.206	0.05%	99.70%
85.0	11.258	1.244	2353.45	0.05%	99.75%
86.0	10.966	1.215	2354.665	0.05%	99.80%
87.0	10.768	1.189	2355.854	0.05%	99.85%
88.0	10.512	1.166	2357.02	0.05%	99.90%
89.0	10.293	1.140	2358.16	0.04%	99.95%
90.0	10.183	1.123	2359.283	0.04%	100.00%

Zonal flux distribution table

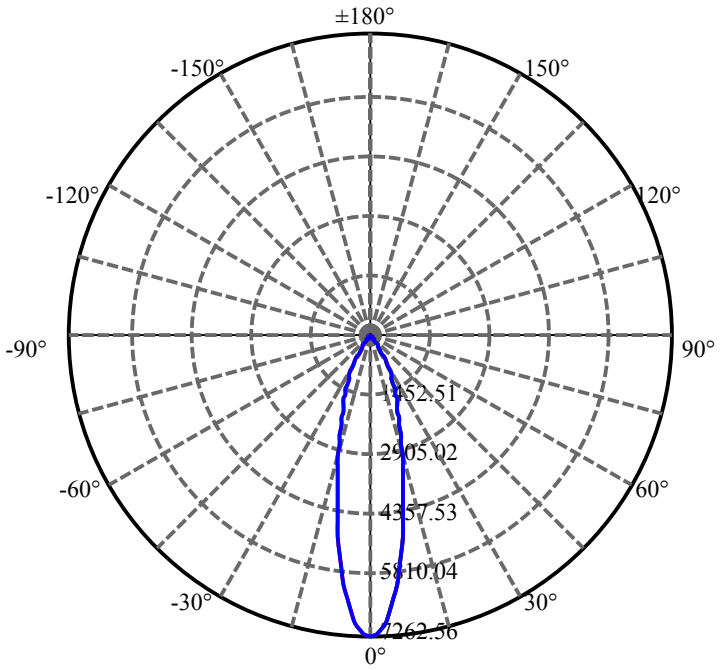
ZONAL LUMEN SUMMARY

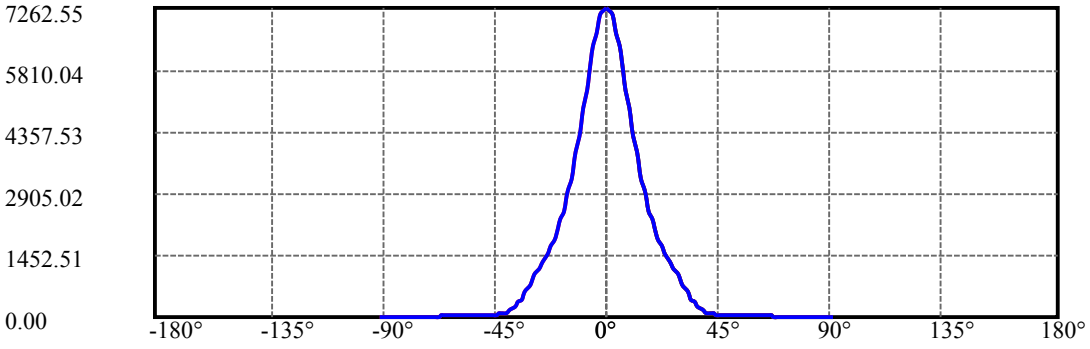
Zone	Lumens	%Lamp	%Fixt
0-30	1991.41	77.46%	84.41%
0-40	2228.36	86.67%	94.45%
0-60	2307.05	89.73%	97.79%
0-90	2358.16	91.72%	99.95%
0-120	2358.16	91.72%	99.95%
0-180	2359.28	91.77%	100.00%
60-90	51.11	1.99%	2.17%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-27.92	1887.43	73.41%	80.00%

ZONAL LUMEN SUMMARY

0-10	549.26
10-20	833.36
20-30	608.79
30-40	236.94
40-50	48.18
50-60	30.51
60-70	23.91
70-80	15.94
80-90	11.26
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:

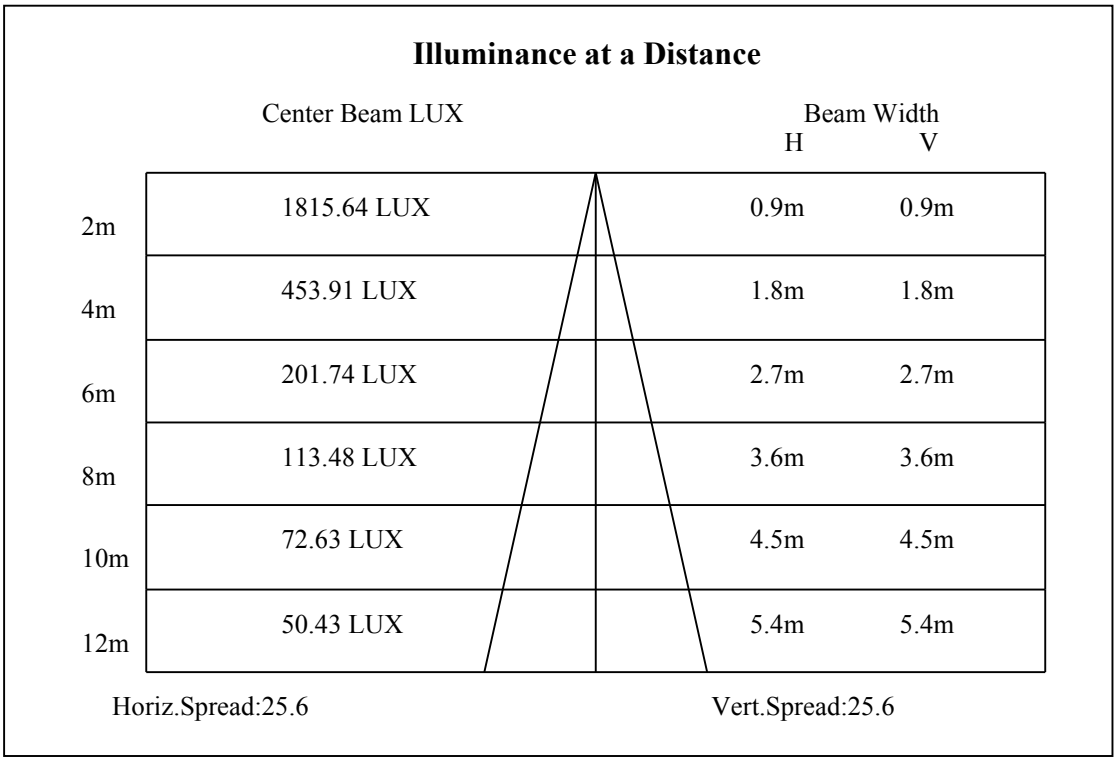
C90/C270:

Field angle(10%Imax):C0/180Left:31.0 Right:31.0
:C90/270Left:31.0 Right:31.0

Beam Angle(50%Imax):C0/180Left:12.7 Right:12.7
:C90/270Left:12.7 Right:12.7

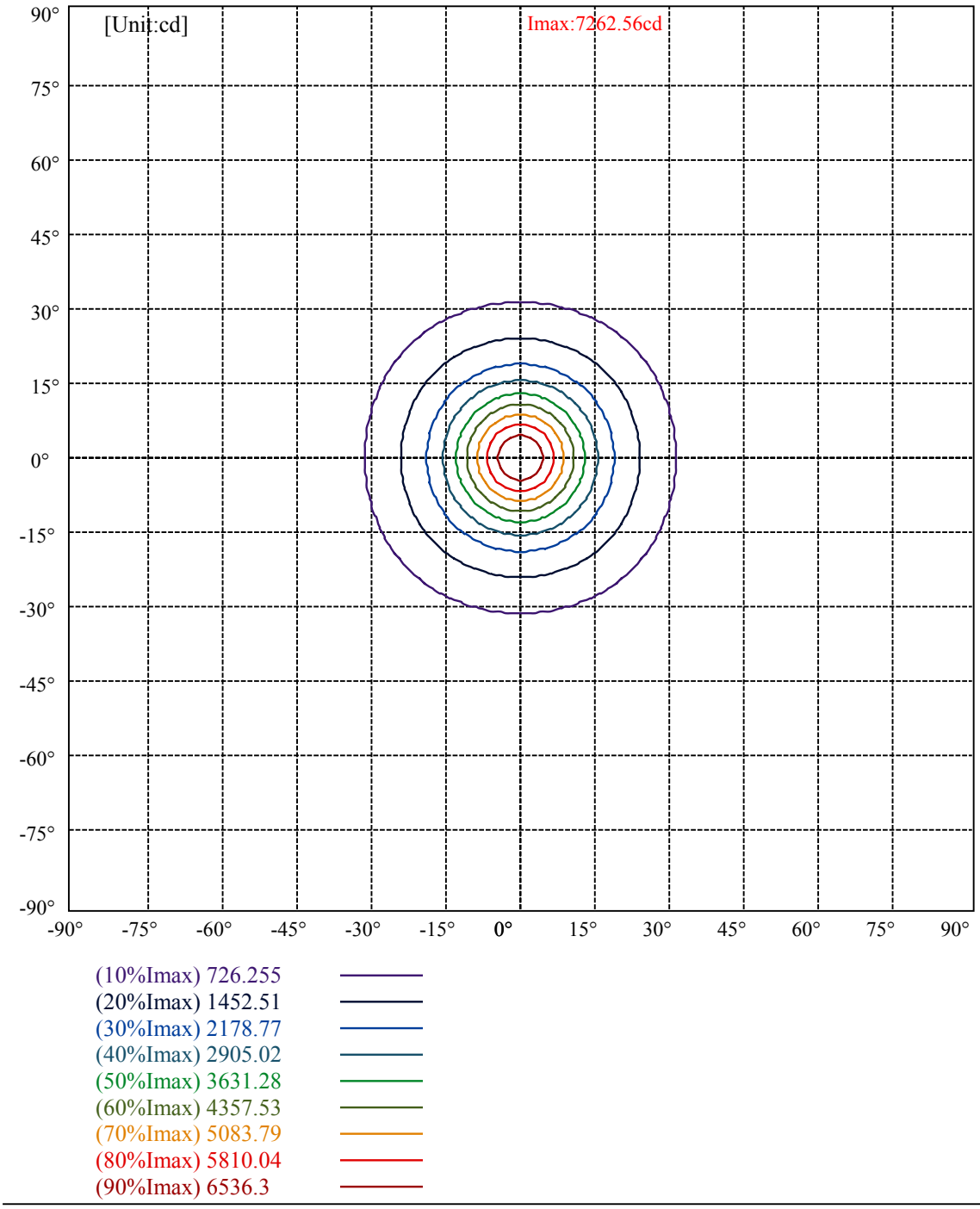
Equipment: GMS1980	Date: 2024/8/6	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65

Lux distance Curve



Equipment: GMS1980 Date: 2024/8/6 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

ISO-Intensity(V-H)

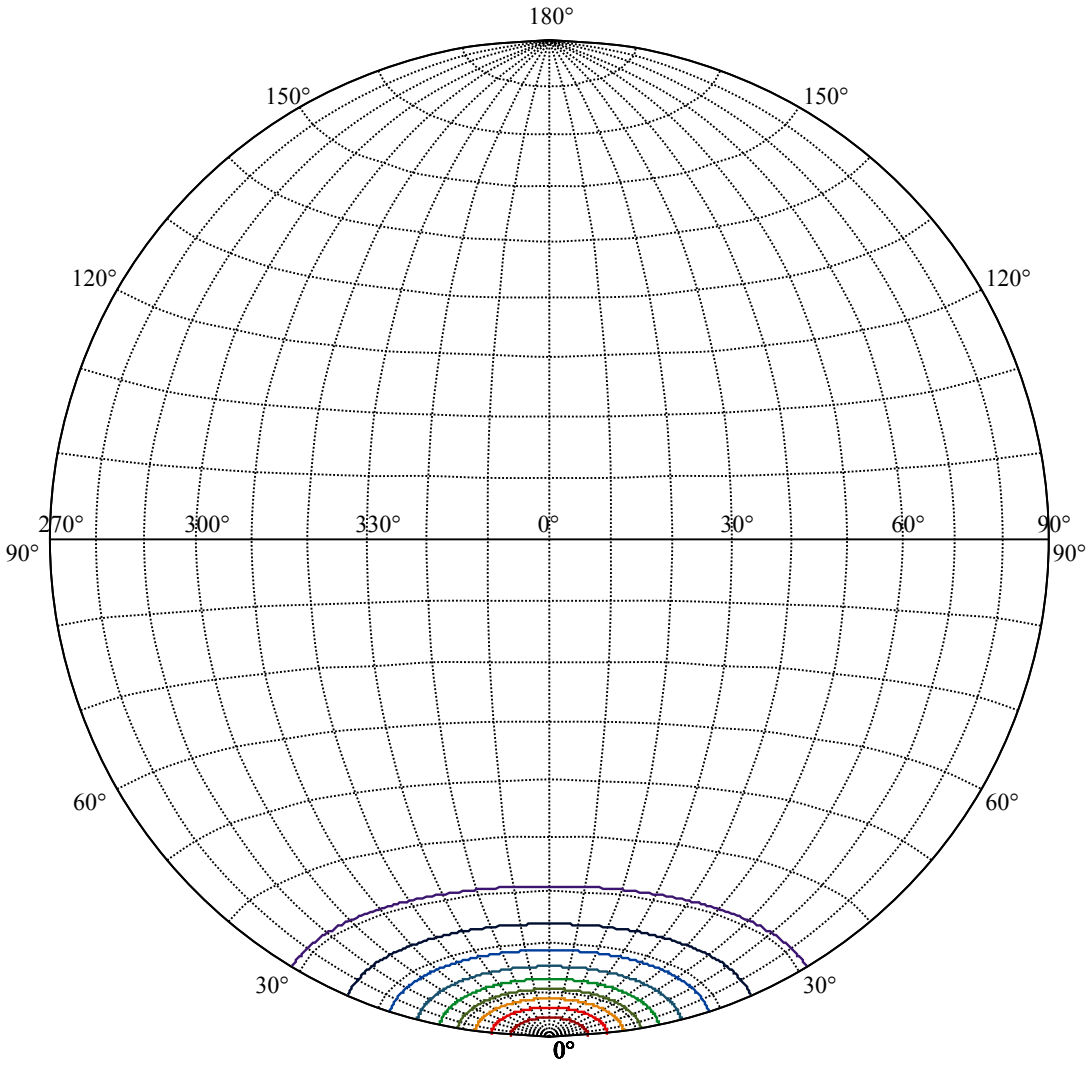


Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/8/6
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

ISO candela diagram on circular web

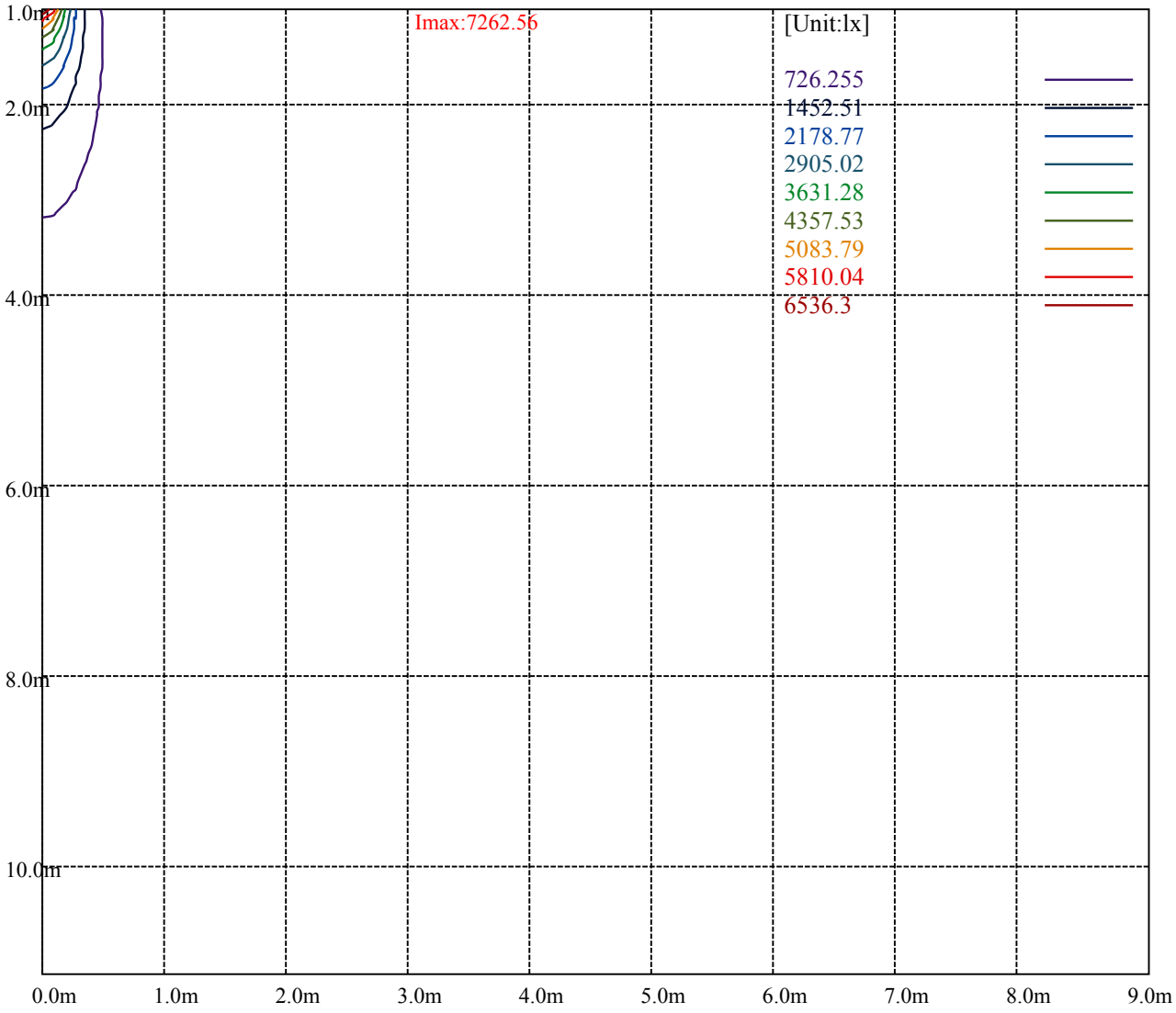


[Unit:cd]

Imax:7262.56

(10%Imax) 726.255
(20%Imax) 1452.51
(30%Imax) 2178.77
(40%Imax) 2905.02
(50%Imax) 3631.28
(60%Imax) 4357.53
(70%Imax) 5083.79
(80%Imax) 5810.04
(90%Imax) 6536.3

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/8/6
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

NT 2-2565-L

Luminance Limitting Curve(no luminous side)

Luminance Table

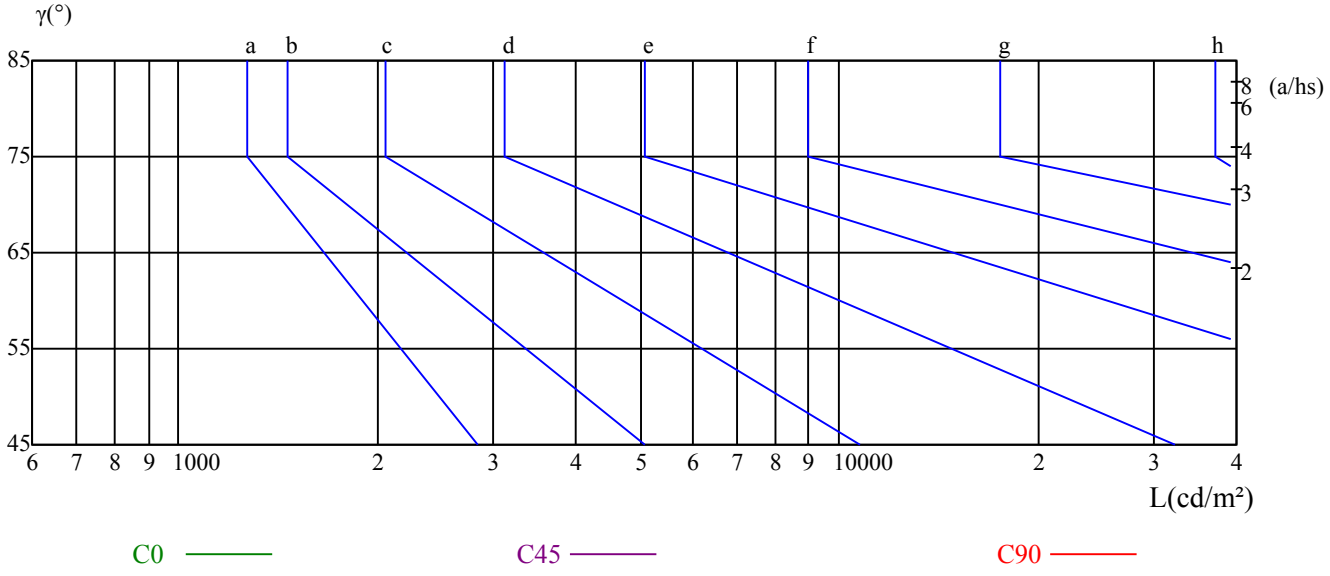
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
0	0	0	0	0	0	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

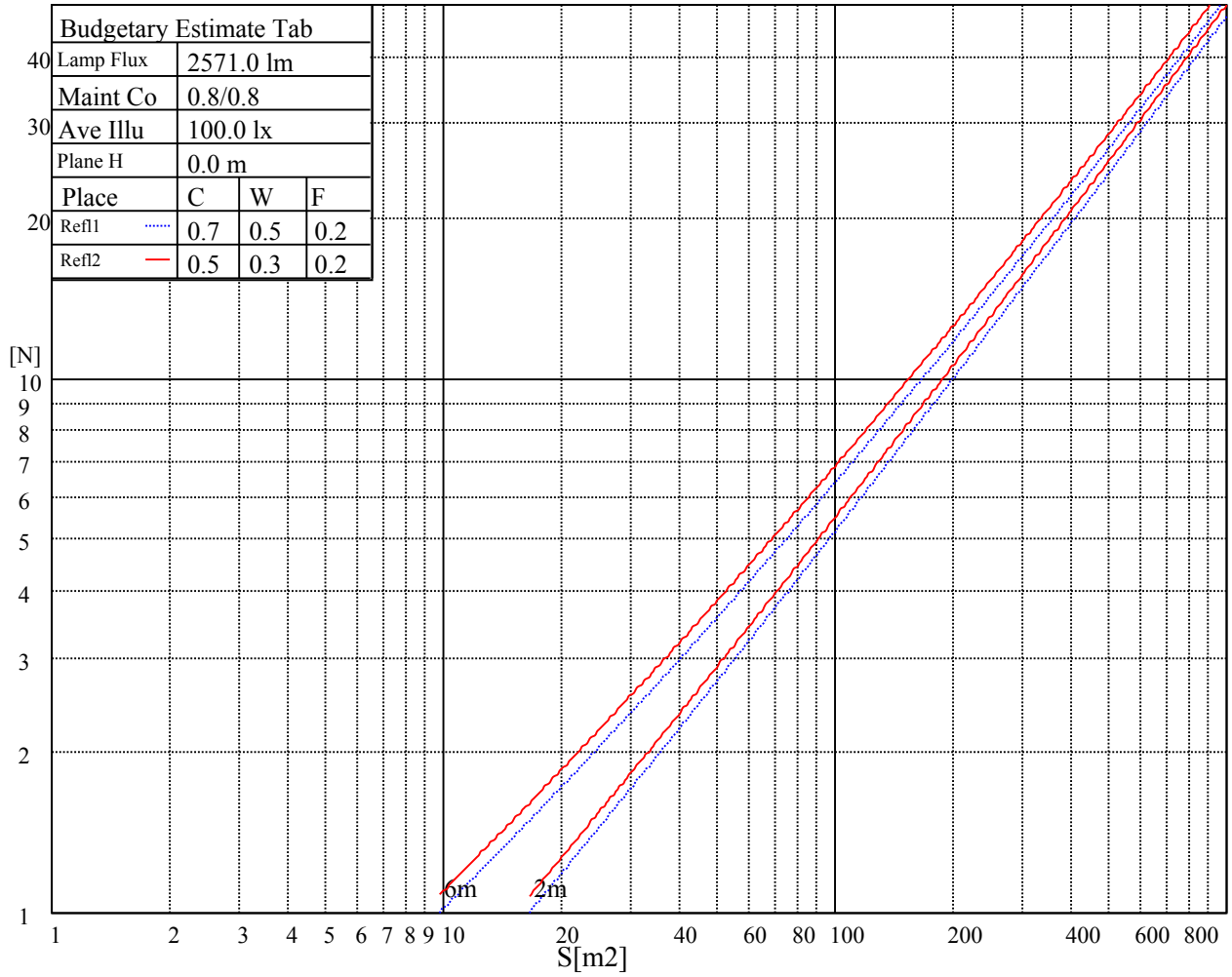
Luminance Limitting Curve



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	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

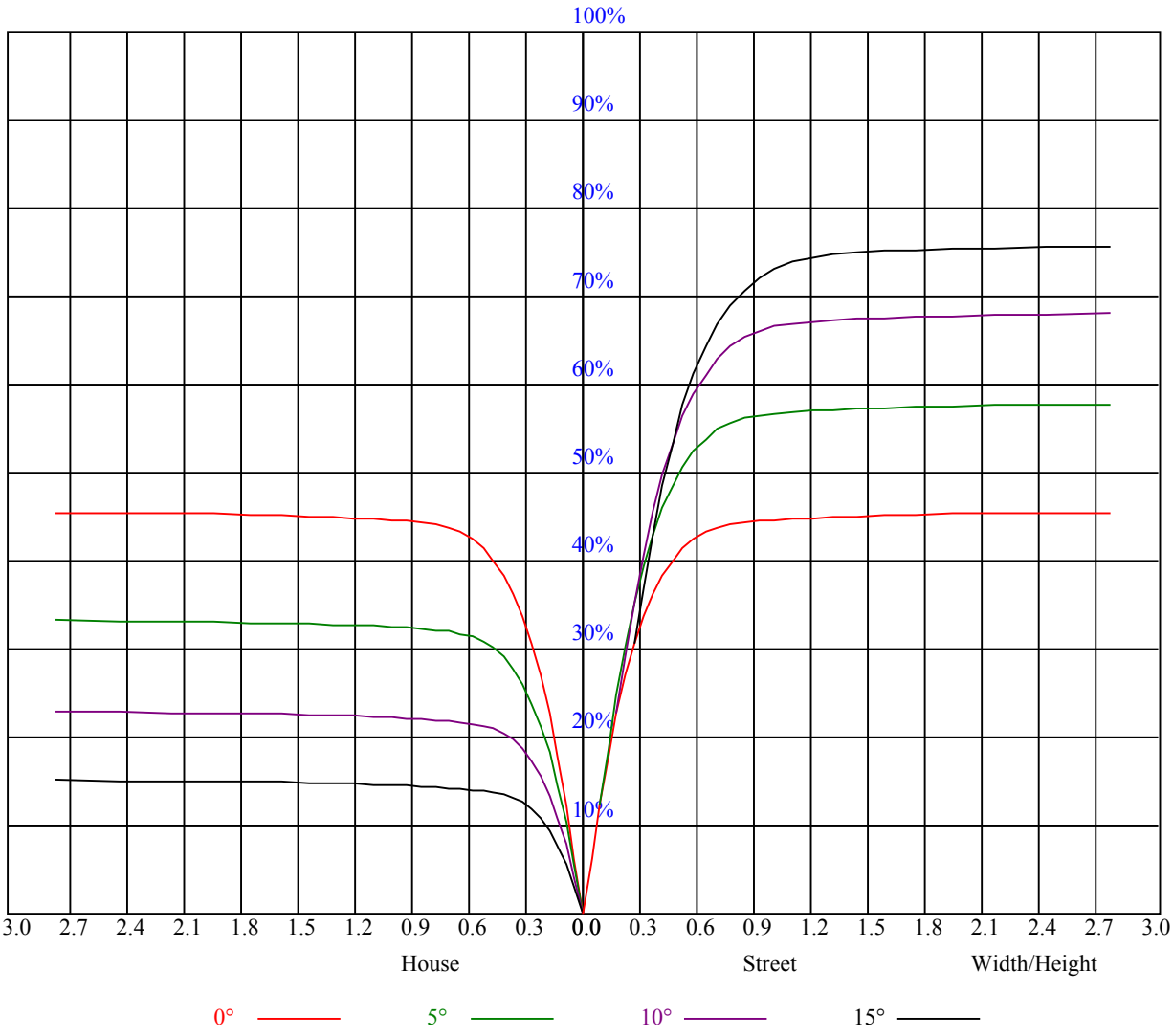


Equipment: GMS1980 Date: 2024/8/6 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

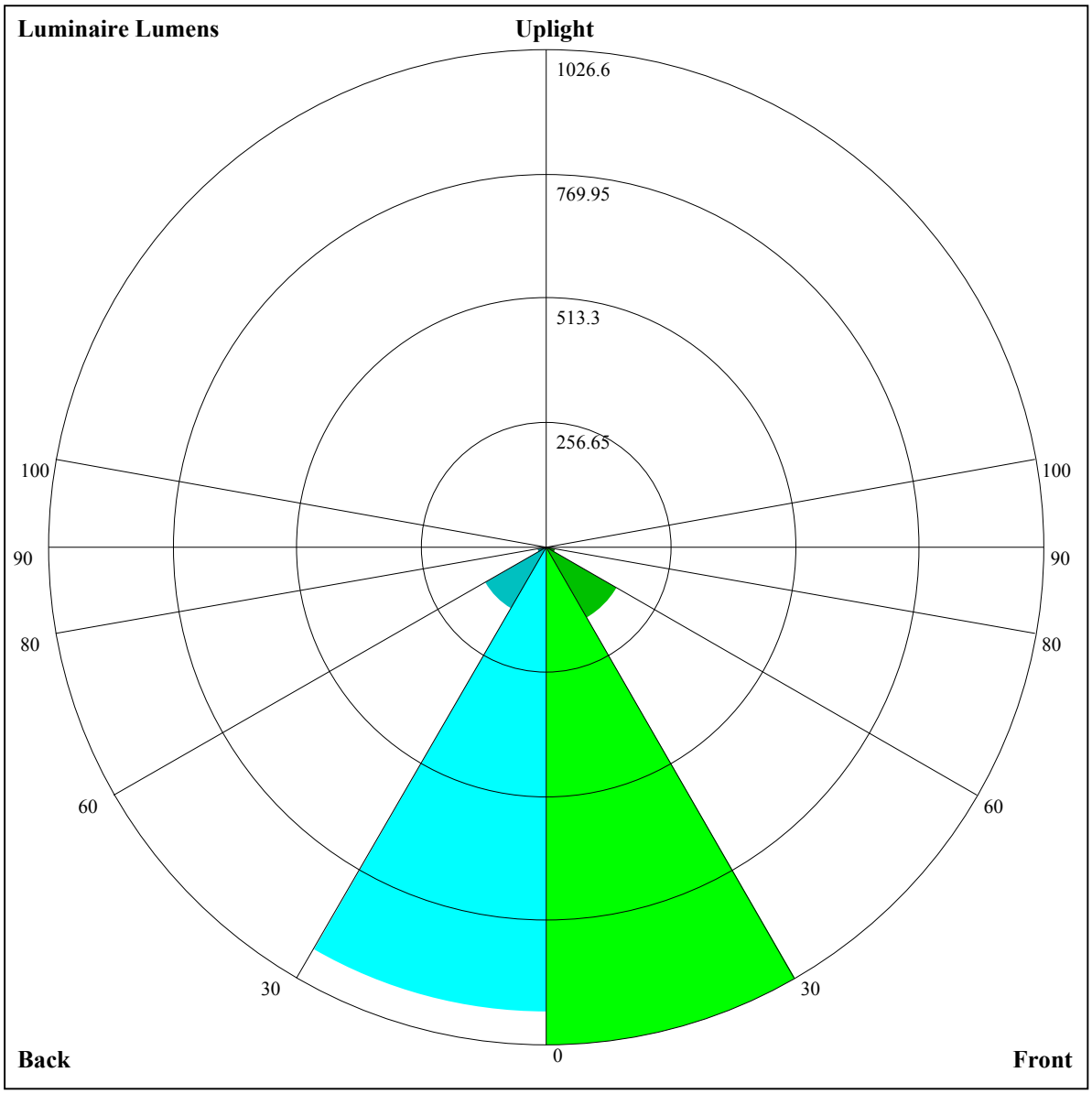
Utilization factor table for indoor luminaire

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	1.09	1.09	1.09	1.07	1.07	1.07	1.02	1.02	1.02	0.98	0.98	0.98	0.94	0.94	0.94	0.92
1	1.02	1.00	0.98	1.00	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.87
2	0.96	0.93	0.90	0.94	0.91	0.89	0.92	0.89	0.87	0.89	0.87	0.85	0.86	0.85	0.83	0.82
3	0.91	0.87	0.83	0.89	0.86	0.83	0.87	0.84	0.81	0.85	0.82	0.80	0.83	0.81	0.79	0.78
4	0.86	0.82	0.78	0.85	0.81	0.78	0.83	0.80	0.77	0.81	0.78	0.76	0.80	0.77	0.75	0.74
5	0.82	0.77	0.74	0.81	0.77	0.73	0.79	0.76	0.73	0.78	0.75	0.72	0.77	0.74	0.72	0.70
6	0.78	0.73	0.70	0.77	0.73	0.70	0.76	0.72	0.69	0.75	0.71	0.69	0.74	0.71	0.68	0.67
7	0.75	0.70	0.67	0.74	0.70	0.66	0.73	0.69	0.66	0.72	0.68	0.66	0.71	0.68	0.65	0.64
8	0.71	0.67	0.64	0.71	0.66	0.63	0.70	0.66	0.63	0.69	0.66	0.63	0.68	0.65	0.63	0.62
9	0.69	0.64	0.61	0.68	0.64	0.61	0.67	0.63	0.61	0.67	0.63	0.60	0.66	0.63	0.60	0.59
10	0.66	0.61	0.58	0.66	0.61	0.58	0.65	0.61	0.58	0.64	0.61	0.58	0.64	0.60	0.58	0.57

Coefficient Utilization Curve



Equipment: GMS1980	Date: 2024/8/6	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65



Luminaire Lumens:
FL=1026.6,FM=168.1,FH=20.34,FVH=6.26
BL=960.01,BM=148.05,BH=19.45,BVH=6.11
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	7311.86	7315.37	7252.75	7121.08	6874.11	6621.29	6334.53	6010.90	5581.35
45.0	7188.38	7284.94	7314.20	7240.46	7077.77	6870.01	6609.59	6312.30	5898.54
90.0	7268.55	7206.52	7077.77	6897.52	6657.58	6298.25	5976.96	5539.80	5172.86
135.0	7281.43	7253.92	7157.36	6942.58	6701.47	6342.73	6028.46	5685.52	5242.50
180.0	7311.86	7208.27	7046.17	6836.07	6506.59	6217.49	5888.01	5446.16	5083.32
225.0	7188.38	7037.39	6757.65	6497.81	6202.86	5781.50	5429.19	5067.52	4710.53
270.0	7268.55	7252.75	7148.00	6989.40	6727.22	6471.48	6173.60	5847.04	5405.78
315.0	7281.43	7253.92	7114.05	6943.17	6719.61	6456.85	6069.43	5730.00	5375.35
360.0	7311.86	7315.37	7252.75	7121.08	6874.11	6621.29	6334.53	6010.90	5581.35

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	5223.78	4860.35	4424.94	4093.12	3696.92	3405.48	3140.38	2888.73	2597.87
45.0	5545.65	5195.10	4832.85	4405.63	4077.91	3771.83	3479.22	3132.18	2873.51
90.0	4821.14	4478.79	4071.47	3762.47	3470.44	3201.82	2888.73	2651.71	2448.05
135.0	4898.98	4564.81	4253.47	3863.13	3571.10	3291.36	3028.01	2739.50	2527.65
180.0	4655.52	4316.09	3986.03	3678.78	3320.63	3060.20	2820.26	2600.80	2359.69
225.0	4286.25	3964.96	3660.64	3376.81	3046.74	2813.82	2593.19	2336.86	2160.71
270.0	5053.48	4626.26	4288.59	3976.66	3592.75	3315.94	3053.76	2817.33	2541.11
315.0	5013.10	4574.76	4246.45	3863.13	3561.74	3287.85	2968.90	2738.91	2516.53
360.0	5223.78	4860.35	4424.94	4093.12	3696.92	3405.48	3140.38	2888.73	2597.87

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2399.48	2215.72	2053.03	1874.53	1747.54	1631.08	1526.91	1410.45	1153.77
45.0	2586.17	2390.70	2208.70	2006.80	1866.93	1739.93	1625.23	1494.14	1400.50
90.0	2217.48	2050.10	1869.27	1744.61	1622.30	1487.12	1385.29	1163.13	1163.13
135.0	2329.84	2117.40	1967.00	1827.72	1674.97	1566.12	1441.47	1351.34	1262.97
180.0	2181.19	2025.52	1860.49	1736.42	1624.06	1495.31	1404.01	1316.23	1203.28
225.0	1970.51	1835.32	1717.11	1602.40	1484.77	1398.75	1167.41	1167.41	1094.84
270.0	2335.69	2154.86	1992.16	1811.33	1682.58	1562.02	1434.44	1343.15	1233.13
315.0	2323.99	2105.11	1943.01	1803.72	1651.56	1538.62	1437.96	1279.95	1154.06
360.0	2399.48	2215.72	2053.03	1874.53	1747.54	1631.08	1526.91	1410.45	1153.77

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1153.77	1103.97	1006.18	908.04	782.50	685.59	588.91	474.21	387.54
45.0	1316.23	1227.86	1109.65	1013.08	917.11	797.13	699.40	583.53	491.65
90.0	1094.43	995.99	901.77	804.39	684.19	589.67	499.84	414.05	315.61
135.0	1172.26	1054.63	956.90	858.00	759.10	637.37	541.98	450.68	347.10
180.0	1104.38	1003.13	901.31	770.80	667.22	570.07	475.85	369.34	312.57
225.0	991.84	889.83	789.06	664.00	568.60	478.89	376.77	302.68	222.15
270.0	1141.83	1041.76	942.27	814.69	713.45	616.30	526.76	420.84	344.17
315.0	1130.25	1032.86	905.99	806.03	706.19	584.52	492.47	408.78	313.04
360.0	1153.77	1103.97	1006.18	908.04	782.50	685.59	588.91	474.21	387.54

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	309.41	243.57	174.22	136.06	112.77	99.72	86.85	78.36	69.41
45.0	407.38	309.06	309.06	226.66	135.54	111.08	95.68	85.44	76.78
90.0	248.66	195.41	143.91	118.04	98.90	88.08	78.65	70.87	62.74
135.0	310.23	310.23	161.35	121.73	104.11	90.42	80.41	72.10	65.02
180.0	312.57	161.76	128.52	104.23	92.93	82.69	74.32	65.55	59.46
225.0	170.77	132.85	109.79	94.22	84.45	76.31	69.06	60.98	55.83
270.0	307.89	307.89	150.58	121.67	103.41	89.54	80.41	71.34	64.37
315.0	247.14	193.65	152.80	117.92	102.71	91.59	82.17	72.57	65.43
360.0	309.41	243.57	174.22	136.06	112.77	99.72	86.85	78.36	69.41

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	63.03	57.41	51.62	47.99	45.00	41.84	39.74	38.04	36.64
45.0	68.12	61.86	56.42	51.68	47.23	44.36	41.38	39.44	37.92
90.0	57.00	52.14	48.28	44.42	41.90	39.74	37.57	36.28	35.23
135.0	57.64	52.79	48.87	45.65	42.19	39.97	38.10	36.52	35.00
180.0	54.31	49.98	45.82	42.96	40.67	38.68	36.69	35.41	34.12
225.0	51.44	47.99	44.30	41.84	39.39	37.69	36.34	34.94	34.06
270.0	58.64	52.49	48.40	45.18	42.49	39.62	37.69	36.11	34.82
315.0	59.40	53.14	48.98	45.00	42.37	40.09	38.04	36.40	34.82
360.0	63.03	57.41	51.62	47.99	45.00	41.84	39.74	38.04	36.64

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	35.17	34.12	33.42	32.95	32.30	31.84	31.37	30.72	29.85
45.0	36.28	35.23	34.47	33.94	33.18	32.83	32.36	31.89	31.08
90.0	34.06	33.47	32.89	32.36	31.95	31.43	30.67	29.61	28.56
135.0	34.06	33.12	32.48	32.07	31.49	30.90	30.55	29.61	28.38
180.0	33.36	32.83	32.36	32.01	31.54	31.08	30.31	29.26	28.32
225.0	33.42	32.66	32.19	31.78	31.25	30.31	29.26	28.15	26.80
270.0	33.53	32.71	32.01	31.43	30.84	30.37	29.73	28.97	28.03
315.0	33.77	32.95	32.07	31.49	31.08	30.37	29.85	29.26	28.03
360.0	35.17	34.12	33.42	32.95	32.30	31.84	31.37	30.72	29.85

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	28.56	27.33	25.81	24.29	22.82	21.19	19.84	18.73	17.79
45.0	29.90	28.85	26.98	25.34	23.76	21.83	20.54	19.14	17.97
90.0	27.33	25.40	23.94	22.30	21.01	19.43	18.32	17.38	16.74
135.0	27.15	25.57	24.17	22.30	21.01	19.61	18.26	17.50	16.91
180.0	26.45	24.99	23.47	22.00	20.37	19.08	18.26	17.38	16.80
225.0	24.70	23.17	21.36	20.07	18.73	17.56	16.85	16.33	15.86
270.0	26.74	25.34	23.88	22.41	20.83	19.66	18.43	17.62	16.80
315.0	26.98	25.52	23.82	22.41	21.07	19.55	18.49	17.67	16.97
360.0	28.56	27.33	25.81	24.29	22.82	21.19	19.84	18.73	17.79

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	17.21	16.68	16.09	15.63	15.22	14.75	14.34	13.99	13.46
45.0	17.21	16.62	16.15	15.63	15.16	14.75	14.34	13.93	13.52
90.0	16.27	15.74	15.27	14.86	14.46	14.05	13.64	13.23	12.82
135.0	16.15	15.74	15.22	14.81	14.46	14.05	13.58	13.23	12.87
180.0	16.21	15.80	15.39	14.98	14.46	14.10	13.75	13.40	12.93
225.0	15.39	14.92	14.57	14.16	13.81	13.34	12.99	12.52	12.23
270.0	16.33	15.86	15.39	14.98	14.51	14.10	13.75	13.40	12.87
315.0	16.33	15.86	15.39	14.98	14.46	14.10	13.64	13.23	12.87
360.0	17.21	16.68	16.09	15.63	15.22	14.75	14.34	13.99	13.46

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	13.11	12.76	12.41	12.06	11.82	11.53	11.29	11.00	10.65
45.0	13.17	12.76	12.23	11.94	11.59	11.29	11.06	10.89	10.59
90.0	12.35	11.94	11.59	11.29	11.00	10.77	10.53	10.36	10.12
135.0	12.47	12.00	11.65	11.29	11.06	10.83	10.59	10.36	10.18
180.0	12.64	12.23	12.00	11.70	11.35	10.94	10.77	10.48	10.18
225.0	11.88	11.59	11.35	11.06	10.83	10.53	10.48	10.12	10.12
270.0	12.52	12.11	11.76	11.47	11.24	10.89	10.71	10.42	10.24
315.0	12.47	12.17	11.76	11.47	11.18	10.94	10.71	10.48	10.24
360.0	13.11	12.76	12.41	12.06	11.82	11.53	11.29	11.00	10.65

Intensity data(cd)

C/γ(°)	90.0
0.0	10.42
45.0	10.42
90.0	10.12
135.0	10.12
180.0	10.12
225.0	10.07
270.0	10.12
315.0	10.07
360.0	10.42