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NT

Client:
LumCAT: 2-2518-L
Luminaire: 92.70.412.00
Report No: 2024807-B006
Ballast type: AC

Test No: 2024807-C006	Voltage(V): 35.000
LampCAT: CITIZEN CLU038 LES14.5	Current(A): 0.450
Lamp flux(lm): 2561.0	Power (W): 15.750
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 2390.30, Efficiency(%): 93.33% , Luminous Efficacy(lm/W): 151.76
Central intensity(cd): 12907.720, Maximum intensity(cd): 12907.720
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=17.6
[C90/270]Total=17.6
Field angle(10%Imax): [C0/180]Total=44.8
[C90/270]Total=44.8
Maximum s/h(1/2): C0_180=0.30 C90_270=0.30
Maximum s/h(1/4): C0_180=0.33 C90_270=0.33
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 93.33%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 97.662%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	12907.723	0.000	0	0.00%	0.00%
1.0	12643.574	12.226	12.226	0.48%	0.51%
2.0	12111.041	35.530	47.756	1.39%	2.00%
3.0	11861.004	57.333	105.089	2.24%	4.40%
4.0	11188.141	77.153	182.242	3.01%	7.62%
5.0	10264.510	92.288	274.53	3.60%	11.49%
6.0	9281.844	102.721	377.252	4.01%	15.78%
7.0	8308.103	109.181	486.432	4.26%	20.35%
8.0	7202.905	111.009	597.441	4.33%	24.99%
9.0	6272.251	109.209	706.65	4.26%	29.56%
10.0	5361.934	105.285	811.935	4.11%	33.97%
11.0	4640.132	99.941	911.877	3.90%	38.15%
12.0	4029.377	94.770	1006.647	3.70%	42.11%
13.0	3538.885	89.816	1096.463	3.51%	45.87%
14.0	3141.224	85.505	1181.968	3.34%	49.45%
15.0	2844.735	82.178	1264.146	3.21%	52.89%
16.0	2705.378	81.325	1345.47	3.18%	56.29%
17.0	2372.480	79.076	1424.546	3.09%	59.60%
18.0	2097.578	73.702	1498.248	2.88%	62.68%
19.0	1911.842	69.756	1568.004	2.72%	65.60%
20.0	1733.861	66.726	1634.73	2.61%	68.39%
21.0	1548.491	63.028	1697.758	2.46%	71.03%
22.0	1316.486	57.573	1755.331	2.25%	73.44%
23.0	1243.479	53.715	1809.046	2.10%	75.68%
24.0	1145.132	52.224	1861.269	2.04%	77.87%
25.0	1049.513	49.901	1911.171	1.95%	79.96%
26.0	957.589	47.378	1958.549	1.85%	81.94%
27.0	859.264	44.450	2002.998	1.74%	83.80%
28.0	763.580	41.087	2044.085	1.60%	85.52%
29.0	666.388	37.412	2081.497	1.46%	87.08%
30.0	562.965	33.192	2114.69	1.30%	88.47%
31.0	467.061	28.664	2143.354	1.12%	89.67%
32.0	381.991	24.324	2167.678	0.95%	90.69%
33.0	299.584	20.079	2187.757	0.78%	91.53%
34.0	252.693	16.714	2204.471	0.65%	92.23%
35.0	202.861	14.148	2218.619	0.55%	92.82%
36.0	143.036	11.013	2229.632	0.43%	93.28%
37.0	124.338	8.720	2238.353	0.34%	93.64%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	111.142	7.860	2246.213	0.31%	93.97%
39.0	100.410	7.221	2253.433	0.28%	94.27%
40.0	90.644	6.663	2260.097	0.26%	94.55%
41.0	81.361	6.125	2266.222	0.24%	94.81%
42.0	74.031	5.646	2271.867	0.22%	95.05%
43.0	67.038	5.226	2277.093	0.20%	95.26%
44.0	61.558	4.854	2281.946	0.19%	95.47%
45.0	56.745	4.547	2286.493	0.18%	95.66%
46.0	52.443	4.270	2290.763	0.17%	95.84%
47.0	48.274	4.006	2294.769	0.16%	96.00%
48.0	45.238	3.780	2298.549	0.15%	96.16%
49.0	42.436	3.600	2302.15	0.14%	96.31%
50.0	39.817	3.429	2305.579	0.13%	96.46%
51.0	37.703	3.280	2308.859	0.13%	96.59%
52.0	35.933	3.160	2312.018	0.12%	96.73%
53.0	34.316	3.056	2315.074	0.12%	96.85%
54.0	32.765	2.957	2318.031	0.12%	96.98%
55.0	31.580	2.872	2320.903	0.11%	97.10%
56.0	30.446	2.803	2323.706	0.11%	97.21%
57.0	29.473	2.740	2326.446	0.11%	97.33%
58.0	28.691	2.690	2329.135	0.11%	97.44%
59.0	28.040	2.652	2331.788	0.10%	97.55%
60.0	27.374	2.618	2334.406	0.10%	97.66%
61.0	26.811	2.586	2336.991	0.10%	97.77%
62.0	26.277	2.558	2339.549	0.10%	97.88%
63.0	25.728	2.529	2342.079	0.10%	97.98%
64.0	25.113	2.495	2344.573	0.10%	98.09%
65.0	24.558	2.458	2347.032	0.10%	98.19%
66.0	24.060	2.426	2349.457	0.09%	98.29%
67.0	23.482	2.391	2351.848	0.09%	98.39%
68.0	23.021	2.356	2354.204	0.09%	98.49%
69.0	22.626	2.329	2356.532	0.09%	98.59%
70.0	22.158	2.300	2358.832	0.09%	98.68%
71.0	21.434	2.253	2361.085	0.09%	98.78%
72.0	20.658	2.189	2363.274	0.09%	98.87%
73.0	19.525	2.101	2365.375	0.08%	98.96%
74.0	18.339	1.991	2367.366	0.08%	99.04%
75.0	17.242	1.880	2369.246	0.07%	99.12%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	16.299	1.780	2371.026	0.07%	99.19%
77.0	15.391	1.690	2372.716	0.07%	99.26%
78.0	14.623	1.607	2374.323	0.06%	99.33%
79.0	14.053	1.541	2375.863	0.06%	99.40%
80.0	13.585	1.490	2377.353	0.06%	99.46%
81.0	13.248	1.451	2378.805	0.06%	99.52%
82.0	12.919	1.419	2380.223	0.06%	99.58%
83.0	12.575	1.386	2381.609	0.05%	99.64%
84.0	12.275	1.354	2382.963	0.05%	99.69%
85.0	11.953	1.322	2384.285	0.05%	99.75%
86.0	11.434	1.278	2385.564	0.05%	99.80%
87.0	10.995	1.227	2386.791	0.05%	99.85%
88.0	10.761	1.192	2387.983	0.05%	99.90%
89.0	10.527	1.167	2389.15	0.05%	99.95%
90.0	10.410	1.148	2390.298	0.04%	100.00%

Zonal flux distribution table

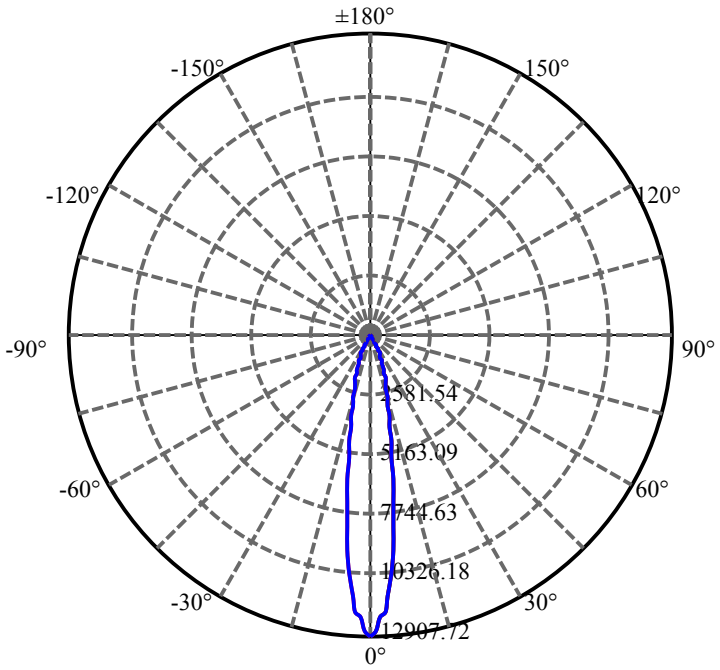
ZONAL LUMEN SUMMARY

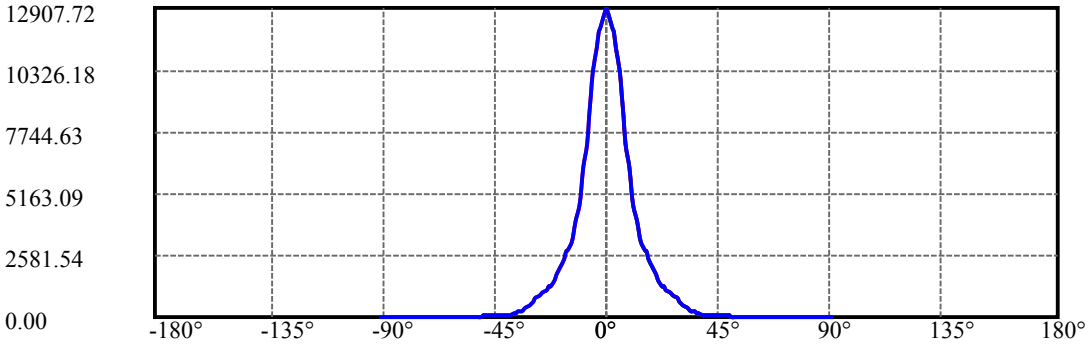
Zone	Lumens	%Lamp	%Fixt
0-30	2114.69	82.57%	88.47%
0-40	2260.10	88.25%	94.55%
0-60	2334.41	91.15%	97.66%
0-90	2389.15	93.29%	99.95%
0-120	2389.15	93.29%	99.95%
0-180	2390.30	93.33%	100.00%
60-90	54.74	2.14%	2.29%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-25.02	1912.24	74.67%	80.00%

ZONAL LUMEN SUMMARY

0-10	811.94
10-20	822.79
20-30	479.96
30-40	145.41
40-50	45.48
50-60	28.83
60-70	24.43
70-80	18.52
80-90	11.80
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):

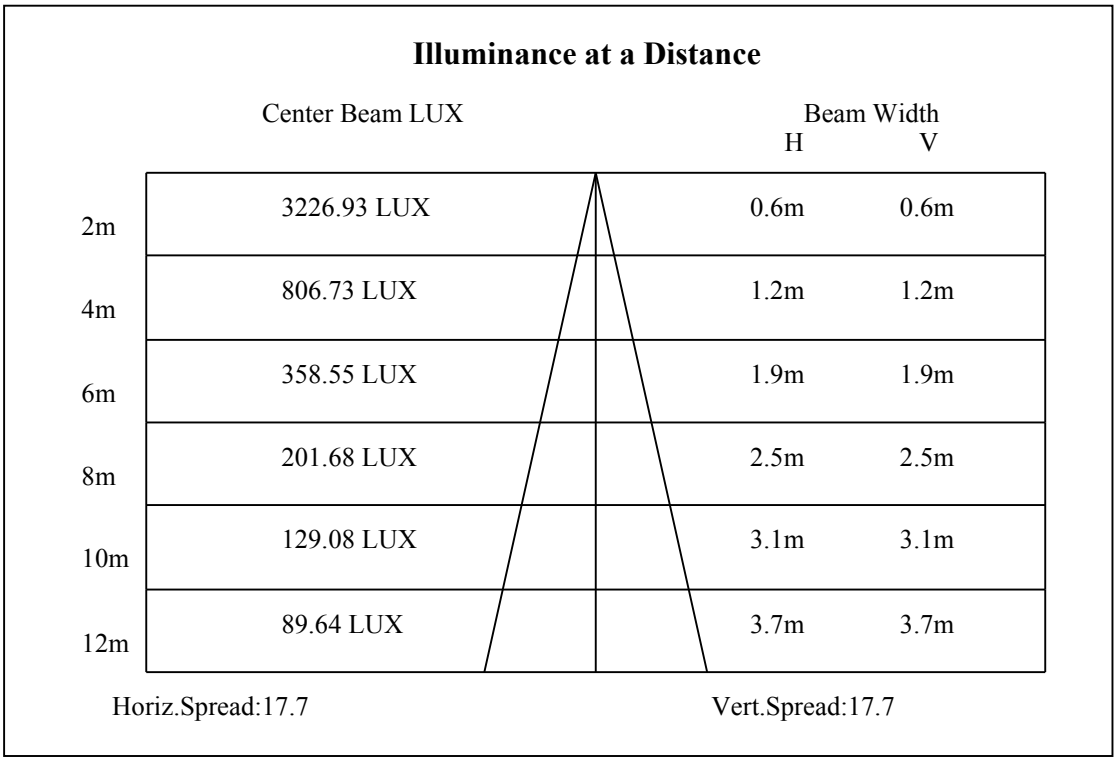
C0/C180:

C90/C270:

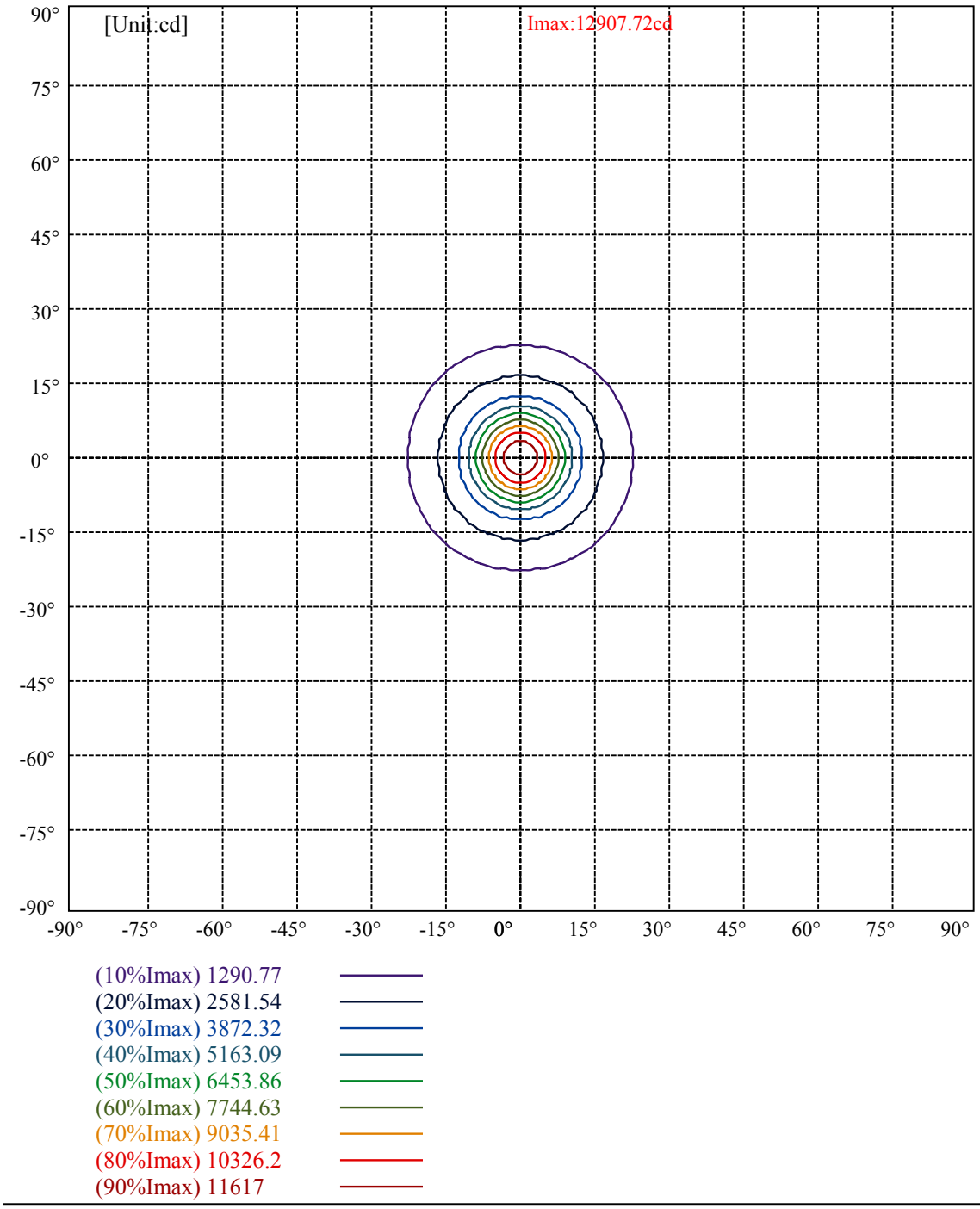
Field angle(10%Imax):C0/180Left:22.4 Right:22.4
:C90/270Left:22.4 Right:22.4

Beam Angle(50%Imax):C0/180Left:8.8 Right:8.8
:C90/270Left:8.8 Right:8.8

Lux distance Curve



ISO-Intensity(V-H)

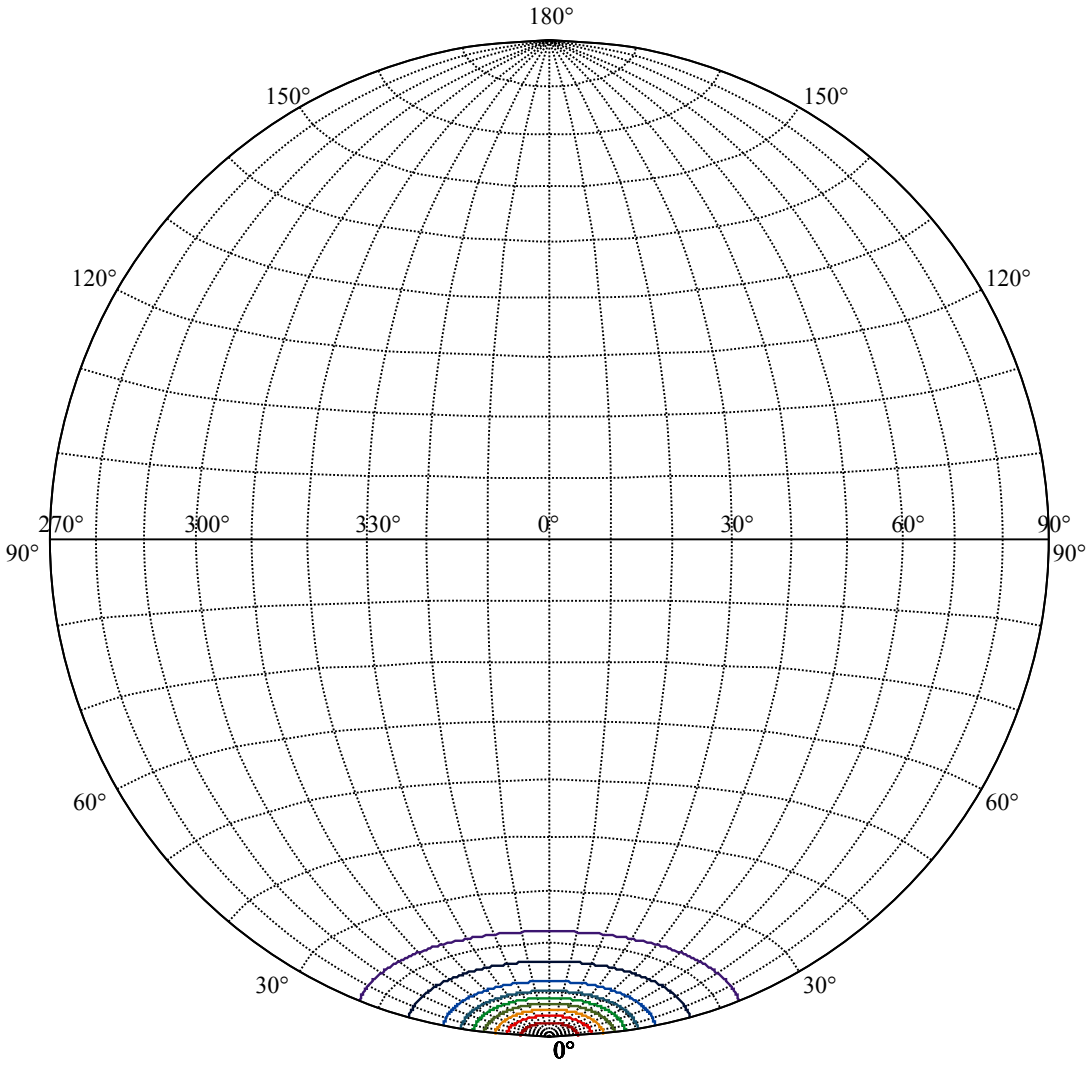


Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/8/7
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

ISO candela diagram on circular web



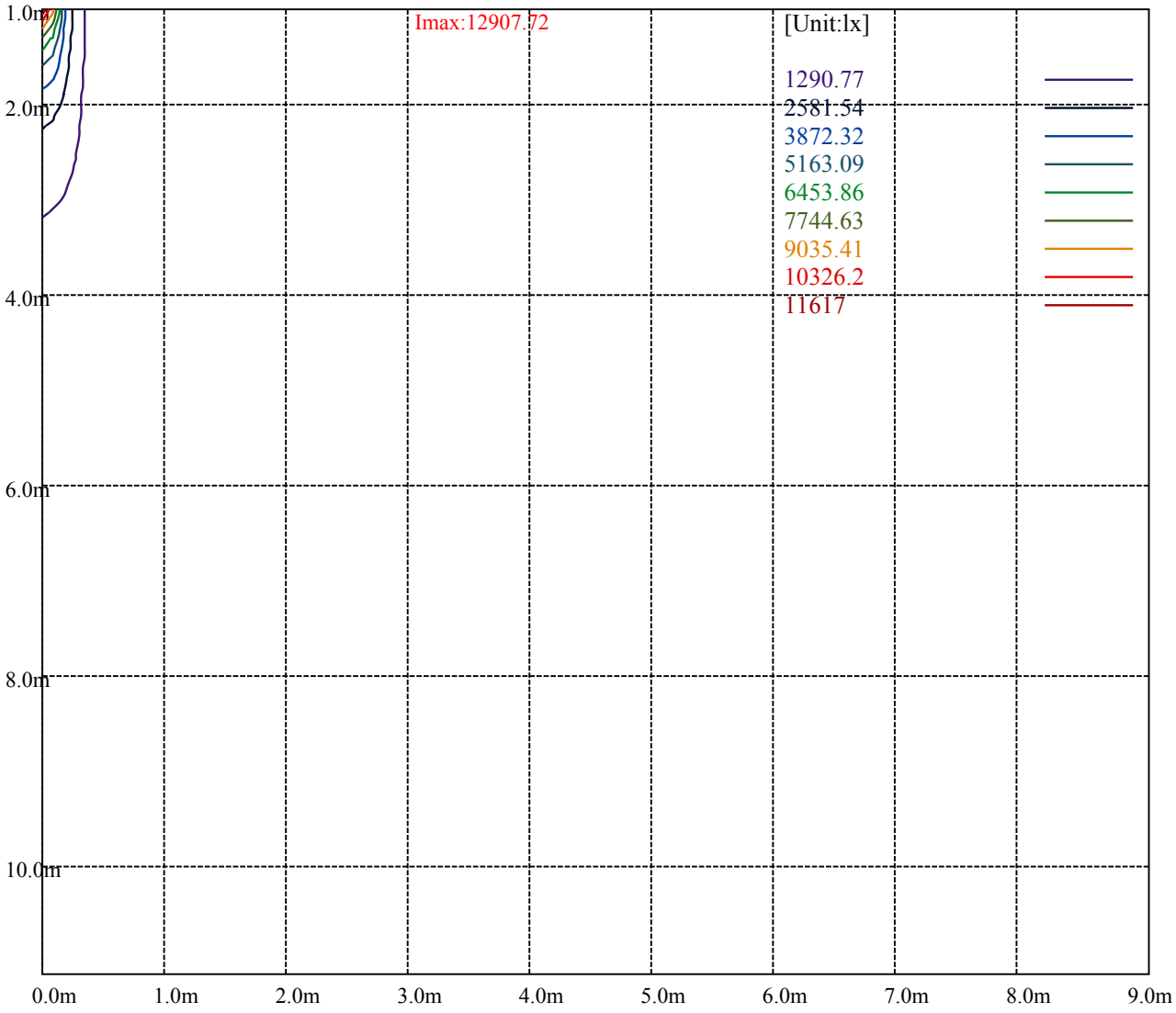
[Unit:cd]

Imax:12907.72

(10%Imax) 1290.77
(20%Imax) 2581.54
(30%Imax) 3872.32
(40%Imax) 5163.09
(50%Imax) 6453.86
(60%Imax) 7744.63
(70%Imax) 9035.41
(80%Imax) 10326.2
(90%Imax) 11617

Equipment: GMS1980	Date: 2024/8/7	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/8/7
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

NT 2-2518-L

Luminance Limitting Curve(no luminous side)

Luminance Table

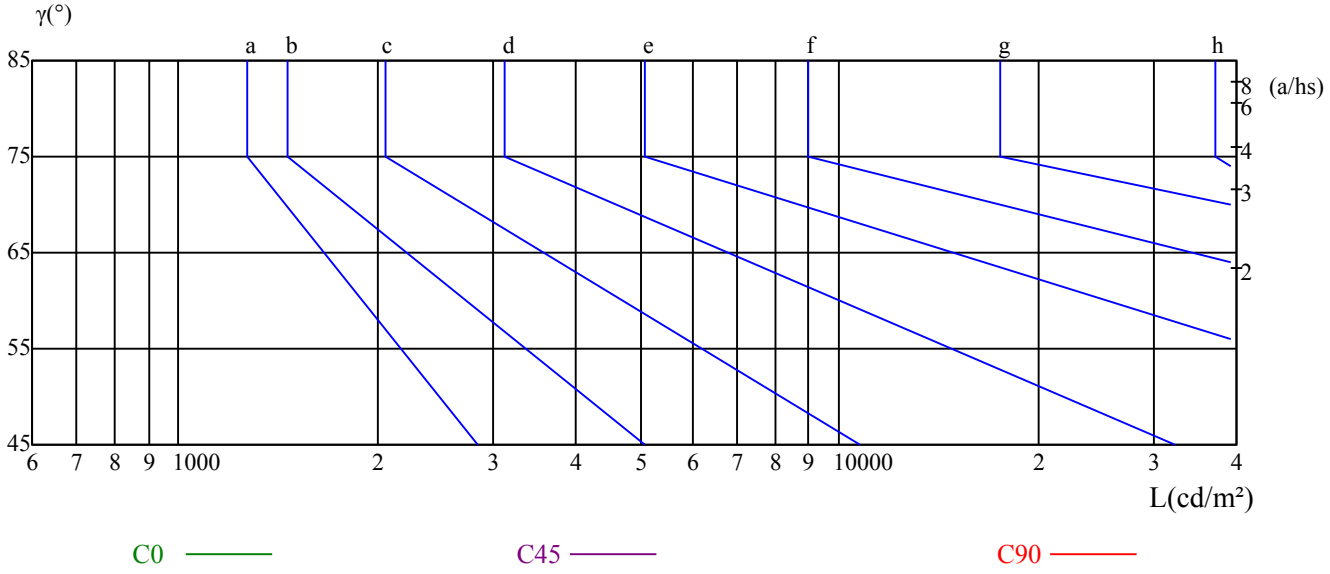
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

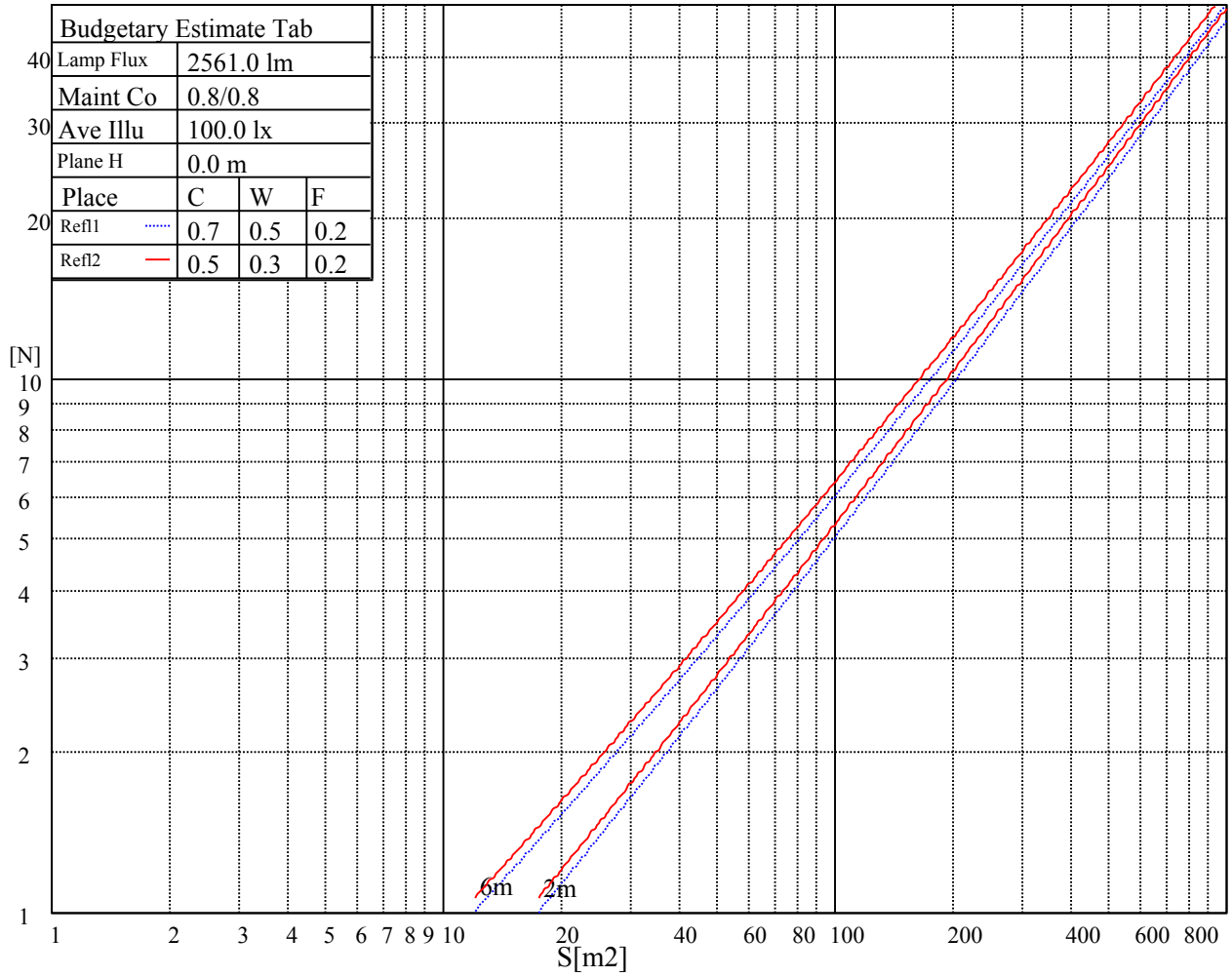
Luminance Limitting Curve



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

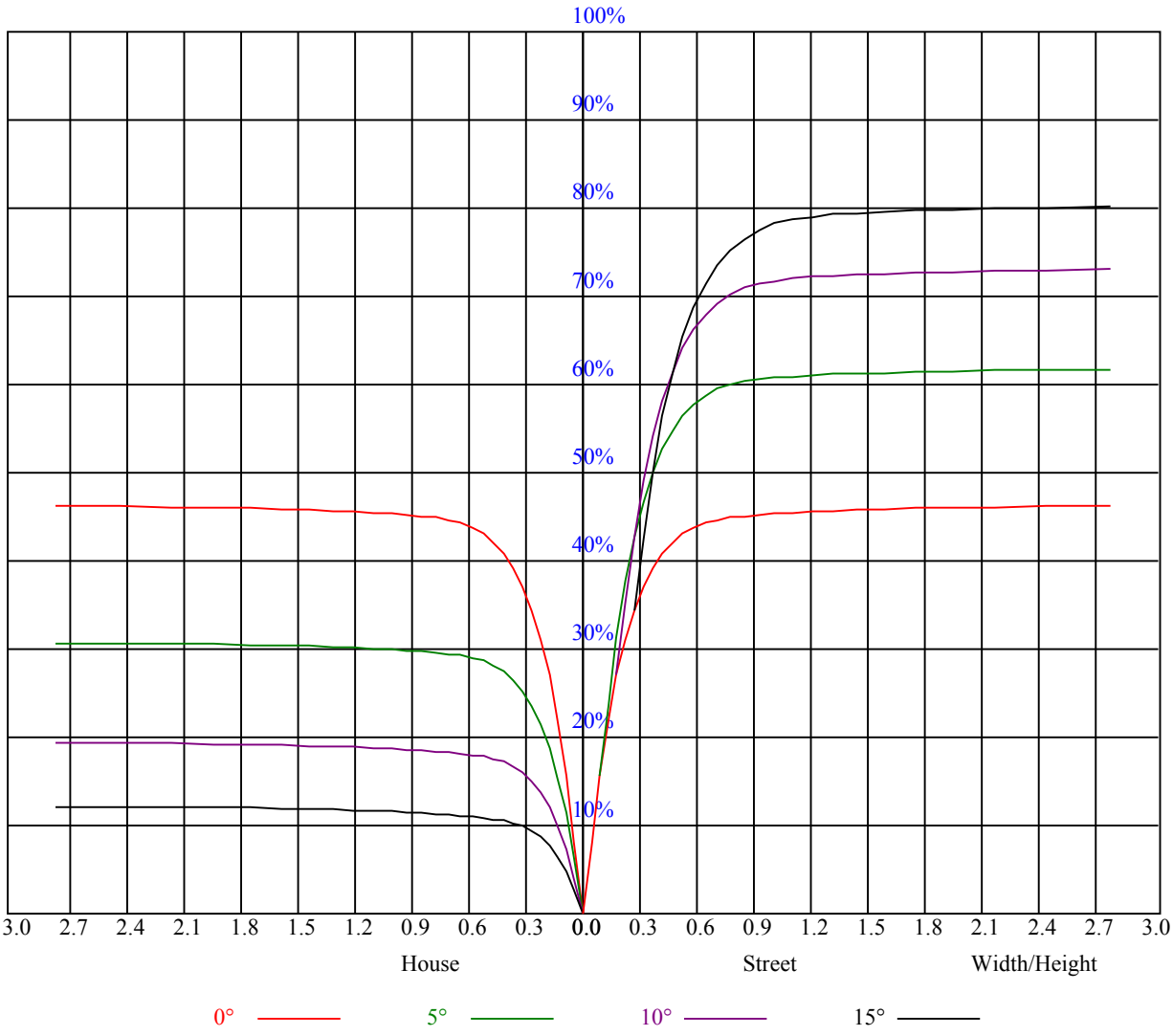


Equipment: GMS1980 Date: 2024/8/7 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

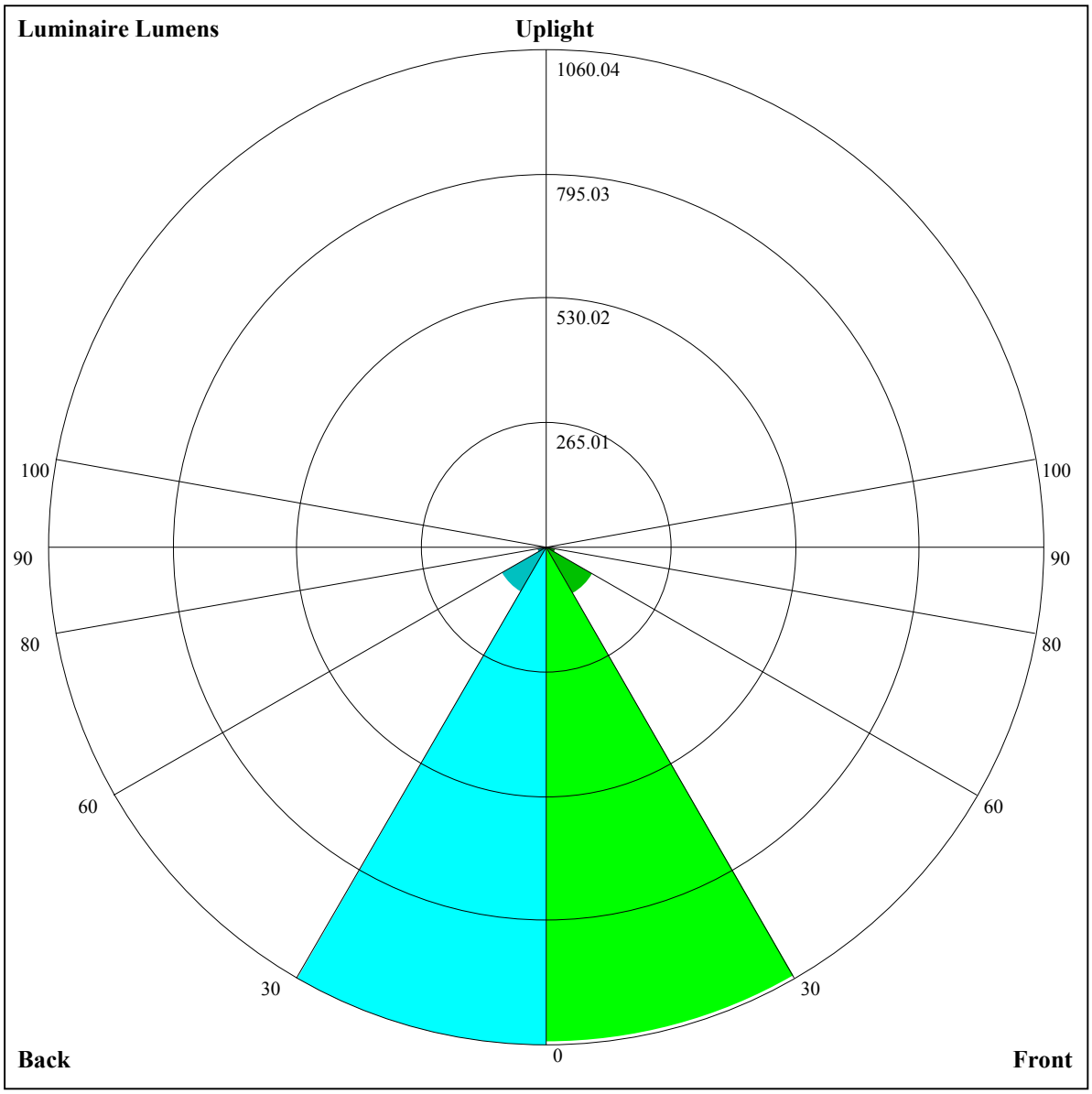
Utilization factor table for indoor luminaire

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	1.11	1.11	1.11	1.09	1.09	1.09	1.04	1.04	1.04	0.99	0.99	0.99	0.95	0.95	0.95	0.93
1	1.04	1.02	1.01	1.02	1.01	0.99	0.99	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.90	0.89
2	0.99	0.96	0.93	0.97	0.94	0.92	0.94	0.92	0.90	0.92	0.90	0.88	0.89	0.88	0.86	0.85
3	0.94	0.90	0.87	0.93	0.89	0.86	0.90	0.87	0.85	0.88	0.86	0.84	0.86	0.84	0.82	0.81
4	0.90	0.86	0.82	0.89	0.85	0.82	0.87	0.84	0.81	0.85	0.82	0.80	0.83	0.81	0.79	0.78
5	0.86	0.82	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
6	0.83	0.78	0.75	0.82	0.78	0.75	0.81	0.77	0.74	0.79	0.76	0.74	0.78	0.76	0.74	0.72
7	0.80	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
8	0.77	0.73	0.70	0.76	0.72	0.70	0.75	0.72	0.69	0.75	0.71	0.69	0.74	0.71	0.69	0.68
9	0.74	0.70	0.67	0.74	0.70	0.67	0.73	0.70	0.67	0.72	0.69	0.67	0.72	0.69	0.67	0.66
10	0.72	0.68	0.65	0.72	0.68	0.65	0.71	0.67	0.65	0.70	0.67	0.65	0.70	0.67	0.65	0.64

Coefficient Utilization Curve



Equipment: GMS1980	Date: 2024/8/7	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65



Luminaire Lumens:
FL=1054.3,FM=113.12,FH=20.79,FVH=6.44
BL=1060.04,BM=111.36,BH=22.31,BVH=6.52
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	12919.43	12767.27	11564.10	11564.10	10963.08	10058.91	9109.09	8130.00	6933.22
45.0	12884.31	12919.43	12673.63	12246.42	11626.08	10613.64	9683.13	8717.51	7517.80
90.0	12860.90	11526.06	11526.06	11334.11	10258.47	9313.33	8130.59	7171.99	6281.28
135.0	12966.25	12843.35	12574.14	12100.11	11239.83	10373.70	9449.04	8495.13	7307.12
180.0	12919.43	12860.90	12597.55	12000.62	11374.43	10590.23	9484.16	8500.98	7547.06
225.0	12884.31	12445.39	11571.13	11571.13	10823.21	9724.16	8769.66	7770.09	6798.03
270.0	12860.90	12942.84	12825.79	12515.62	11854.32	11152.05	10321.03	9372.96	8155.70
315.0	12966.25	12843.35	11555.91	11555.91	11365.71	10290.07	9308.06	8306.16	7083.04
360.0	12919.43	12767.27	11564.10	11564.10	10963.08	10058.91	9109.09	8130.00	6933.22

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	6026.12	5204.46	4504.54	3789.98	3359.25	3014.55	2665.17	2429.91	2176.51
45.0	6587.29	5750.42	4995.48	4211.28	3719.69	3327.59	2994.01	2994.01	2423.48
90.0	5290.49	4621.58	4070.88	3617.92	3172.56	2872.93	2619.53	2379.58	2122.08
135.0	6394.17	5393.43	4697.02	4123.50	3567.53	3204.69	2976.45	2976.45	2374.32
180.0	6610.70	5539.74	4784.80	4164.46	3672.87	3198.84	2970.60	2970.60	2414.70
225.0	5904.39	4958.08	4329.55	3819.82	3319.45	2999.34	2660.49	2422.30	2213.38
270.0	7219.34	6300.53	5282.24	4603.38	4041.56	3485.60	3128.61	2976.45	2976.45
315.0	6145.51	5127.21	4456.55	3904.68	3458.15	3026.26	2743.01	2493.70	2278.92
360.0	6026.12	5204.46	4504.54	3789.98	3359.25	3014.55	2665.17	2429.91	2176.51

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1990.41	1821.86	1665.61	1478.34	1152.54	1152.54	1107.13	1003.43	915.35
45.0	2211.04	1982.80	1815.43	1654.49	1467.80	1330.86	1181.04	1087.41	1000.79
90.0	1944.18	1772.12	1571.97	1316.81	1166.00	1166.00	1051.12	967.67	855.66
135.0	2171.83	1988.65	1816.60	1617.62	1461.95	1323.84	1183.97	1093.26	1006.06
180.0	2162.46	1977.53	1752.81	1590.70	1437.37	1267.66	1163.49	1079.21	975.04
225.0	1981.63	1810.74	1650.98	1499.40	1155.82	1155.82	1111.69	1028.88	942.04
270.0	2283.61	2079.36	1895.60	1684.92	1542.71	1403.43	1262.39	1118.42	1024.20
315.0	2035.47	1861.66	1701.89	1545.64	1147.68	1147.68	1100.22	1017.82	941.57
360.0	1990.41	1821.86	1665.61	1478.34	1152.54	1152.54	1107.13	1003.43	915.35

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	826.45	736.68	627.71	540.05	429.26	347.27	272.48	196.69	156.20
45.0	905.99	790.70	699.40	609.28	521.49	436.05	335.98	299.69	299.69
90.0	765.42	671.72	582.01	472.63	388.59	311.22	242.93	179.02	147.13
135.0	889.60	793.04	672.48	576.51	481.70	392.74	311.98	311.98	176.39
180.0	884.33	795.96	704.67	585.28	488.72	400.94	318.42	299.69	220.34
225.0	829.79	738.50	646.56	531.50	443.60	360.26	267.92	206.47	153.09
270.0	935.25	831.66	739.20	645.56	532.61	443.66	360.56	305.55	305.55
315.0	837.28	750.38	659.08	542.91	450.51	363.78	286.41	222.44	164.51
360.0	826.45	736.68	627.71	540.05	429.26	347.27	272.48	196.69	156.20

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	133.90	118.16	107.27	97.56	89.13	79.59	73.21	67.30	62.15
45.0	149.70	129.16	113.59	103.12	93.40	82.58	75.26	68.82	63.20
90.0	130.91	115.93	104.52	94.69	83.80	76.25	69.82	62.38	57.76
135.0	145.31	124.89	112.42	100.60	90.59	79.47	71.98	65.72	58.64
180.0	148.30	127.58	115.82	104.76	92.93	84.33	76.84	68.65	62.97
225.0	130.68	118.04	106.63	94.22	85.38	77.37	70.34	62.68	57.82
270.0	168.37	139.40	120.73	109.67	99.96	90.94	81.17	74.32	68.71
315.0	137.12	121.55	108.15	98.67	89.95	80.35	73.62	66.42	61.21
360.0	133.90	118.16	107.27	97.56	89.13	79.59	73.21	67.30	62.15

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	57.00	52.96	49.51	46.29	43.89	41.08	39.33	37.69	35.99
45.0	58.64	53.67	49.74	46.64	43.60	41.08	38.51	36.87	35.29
90.0	53.20	48.52	44.83	42.25	39.56	37.04	35.35	33.47	31.72
135.0	54.19	50.10	45.47	42.72	40.03	37.10	35.29	33.77	32.30
180.0	58.52	54.31	49.57	46.70	44.01	41.55	38.92	37.04	35.29
225.0	53.37	49.33	45.24	42.60	39.44	37.51	35.93	34.06	32.89
270.0	61.98	57.76	53.61	49.16	46.17	42.90	40.44	38.57	36.87
315.0	57.06	52.90	48.22	45.53	42.78	40.26	37.86	35.99	34.18
360.0	57.00	52.96	49.51	46.29	43.89	41.08	39.33	37.69	35.99

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	34.29	33.07	31.95	30.78	29.61	28.73	27.92	27.10	26.16
45.0	33.83	32.42	31.49	30.49	29.61	28.79	28.21	27.68	27.10
90.0	30.61	29.73	28.85	28.44	28.27	27.92	27.62	27.51	27.39
135.0	30.78	29.90	29.09	28.38	27.80	27.68	27.56	27.33	27.27
180.0	33.53	32.36	30.96	30.02	29.20	28.32	27.68	27.10	26.69
225.0	31.89	30.96	29.55	28.68	27.97	27.33	26.22	25.52	24.81
270.0	34.53	33.07	31.72	30.55	29.44	28.68	27.92	27.15	26.34
315.0	32.66	31.13	29.96	28.44	27.62	26.86	25.87	25.11	24.46
360.0	34.29	33.07	31.95	30.78	29.61	28.73	27.92	27.10	26.16

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	25.40	24.35	23.41	22.59	21.30	20.48	19.78	18.84	17.97
45.0	26.63	26.16	25.28	24.70	24.17	23.35	22.94	22.53	20.72
90.0	27.21	27.15	27.21	27.27	27.33	27.39	27.33	27.21	26.57
135.0	27.15	27.15	27.21	27.56	27.86	28.27	28.56	28.56	28.56
180.0	26.16	25.63	25.28	24.99	24.76	24.81	24.93	24.87	24.81
225.0	23.82	23.00	22.24	21.24	20.37	19.78	19.14	18.55	17.91
270.0	25.63	24.64	23.76	22.82	21.65	20.66	19.66	18.90	17.85
315.0	23.82	22.82	22.06	21.30	20.42	19.43	18.67	17.79	17.09
360.0	25.40	24.35	23.41	22.59	21.30	20.48	19.78	18.84	17.97

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	17.32	16.62	16.09	15.51	15.10	14.75	14.28	13.99	13.58
45.0	19.55	18.49	17.44	16.39	15.80	15.22	14.69	14.16	13.81
90.0	24.81	22.30	19.84	17.91	16.27	15.51	14.86	14.16	13.58
135.0	28.68	28.27	26.86	24.58	22.06	18.55	15.92	14.63	13.99
180.0	24.11	21.59	19.49	18.26	17.26	16.39	15.63	14.92	14.28
225.0	17.26	16.50	15.92	15.33	14.86	14.34	14.05	13.58	13.28
270.0	17.15	16.62	15.98	15.27	14.81	14.51	14.05	13.75	13.34
315.0	16.39	15.80	15.10	14.69	14.22	13.87	13.52	13.23	12.82
360.0	17.32	16.62	16.09	15.51	15.10	14.75	14.28	13.99	13.58

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	13.23	12.93	12.58	12.23	12.00	11.53	11.24	10.94	10.59
45.0	13.46	13.05	12.64	12.35	12.06	11.53	11.00	10.83	10.59
90.0	13.28	12.99	12.64	12.41	12.06	11.06	10.83	10.65	10.48
135.0	13.64	13.28	12.93	12.64	12.35	11.88	10.94	10.71	10.48
180.0	13.93	13.52	13.23	12.87	12.52	12.00	11.29	11.06	10.77
225.0	12.99	12.64	12.29	12.06	11.59	11.12	10.83	10.59	10.42
270.0	12.93	12.70	12.29	12.00	11.70	11.35	11.06	10.77	10.59
315.0	12.52	12.23	12.00	11.65	11.35	11.00	10.77	10.53	10.30
360.0	13.23	12.93	12.58	12.23	12.00	11.53	11.24	10.94	10.59

Intensity data(cd)

C/γ(°)	90.0
0.0	10.48
45.0	10.42
90.0	10.48
135.0	10.36
180.0	10.42
225.0	10.42
270.0	10.42
315.0	10.30
360.0	10.48