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NT

Client:
LumCAT: 2-2752-L
Luminaire: 92.70.412.00
Report No: 2024806-B021
Ballast type: AC

Test No: 2024806-C021	Voltage(V): 34.960
LampCAT: CITIZEN CLU038 LES14.5	Current(A): 0.450
Lamp flux(lm): 2571.0	Power (W): 15.732
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 2440.83, Efficiency(%): 94.94% , Luminous Efficacy(lm/W): 155.15
Central intensity(cd): 9497.383, Maximum intensity(cd): 9497.383
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=23.4
[C90/270]Total=23.4
Field angle(10%Imax): [C0/180]Total=54.2
[C90/270]Total=54.2
Maximum s/h(1/2): C0_180=0.39 C90_270=0.39
Maximum s/h(1/4): C0_180=0.42 C90_270=0.42
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 94.94%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 98.031%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	9497.382	0.000	0	0.00%	0.00%
1.0	9448.809	9.065	9.065	0.35%	0.37%
2.0	9293.066	26.900	35.966	1.05%	1.47%
3.0	9057.001	43.887	79.853	1.71%	3.27%
4.0	8728.031	59.532	139.385	2.32%	5.71%
5.0	8321.153	73.345	212.73	2.85%	8.72%
6.0	7842.074	84.942	297.672	3.30%	12.20%
7.0	7334.318	94.200	391.871	3.66%	16.05%
8.0	6799.129	101.150	493.022	3.93%	20.20%
9.0	6233.290	105.621	598.642	4.11%	24.53%
10.0	5682.886	107.837	706.479	4.19%	28.94%
11.0	5099.855	107.742	814.221	4.19%	33.36%
12.0	4578.054	105.793	920.015	4.11%	37.69%
13.0	4060.862	102.522	1022.537	3.99%	41.89%
14.0	3587.122	97.894	1120.43	3.81%	45.90%
15.0	3184.999	92.971	1213.401	3.62%	49.71%
16.0	2811.845	87.871	1301.272	3.42%	53.31%
17.0	2473.073	82.300	1383.572	3.20%	56.68%
18.0	2193.701	76.945	1460.517	2.99%	59.84%
19.0	1960.489	72.274	1532.791	2.81%	62.80%
20.0	1749.662	67.906	1600.697	2.64%	65.58%
21.0	1579.581	63.928	1664.626	2.49%	68.20%
22.0	1380.173	59.477	1724.103	2.31%	70.64%
23.0	1278.695	55.790	1779.893	2.17%	72.92%
24.0	1198.453	54.159	1834.053	2.11%	75.14%
25.0	1108.731	52.460	1886.513	2.04%	77.29%
26.0	1030.120	50.488	1937.001	1.96%	79.36%
27.0	958.262	48.646	1985.647	1.89%	81.35%
28.0	885.080	46.670	2032.317	1.82%	83.26%
29.0	811.641	44.391	2076.708	1.73%	85.08%
30.0	724.289	41.470	2118.177	1.61%	86.78%
31.0	638.876	37.935	2156.112	1.48%	88.34%
32.0	552.928	34.144	2190.256	1.33%	89.73%
33.0	469.204	30.112	2220.368	1.17%	90.97%
34.0	386.885	25.908	2246.276	1.01%	92.03%
35.0	308.172	21.586	2267.862	0.84%	92.91%
36.0	251.069	17.806	2285.668	0.69%	93.64%
37.0	211.676	15.092	2300.761	0.59%	94.26%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	134.346	11.550	2312.31	0.45%	94.73%
39.0	94.609	7.815	2320.125	0.30%	95.05%
40.0	75.933	5.948	2326.073	0.23%	95.30%
41.0	65.984	5.054	2331.127	0.20%	95.51%
42.0	60.337	4.589	2335.716	0.18%	95.69%
43.0	55.487	4.290	2340.007	0.17%	95.87%
44.0	51.310	4.031	2344.037	0.16%	96.03%
45.0	47.506	3.798	2347.835	0.15%	96.19%
46.0	44.455	3.596	2351.431	0.14%	96.34%
47.0	41.719	3.427	2354.859	0.13%	96.48%
48.0	39.620	3.288	2358.147	0.13%	96.61%
49.0	37.601	3.171	2361.318	0.12%	96.74%
50.0	36.152	3.075	2364.393	0.12%	96.87%
51.0	35.011	3.011	2367.404	0.12%	96.99%
52.0	34.060	2.964	2370.368	0.12%	97.11%
53.0	33.270	2.929	2373.297	0.11%	97.23%
54.0	32.575	2.902	2376.199	0.11%	97.35%
55.0	31.880	2.877	2379.076	0.11%	97.47%
56.0	31.068	2.844	2381.92	0.11%	97.59%
57.0	30.249	2.804	2384.724	0.11%	97.70%
58.0	29.320	2.755	2387.479	0.11%	97.81%
59.0	28.296	2.694	2390.172	0.10%	97.92%
60.0	26.979	2.611	2392.784	0.10%	98.03%
61.0	25.567	2.508	2395.291	0.10%	98.13%
62.0	24.440	2.410	2397.701	0.09%	98.23%
63.0	23.263	2.320	2400.021	0.09%	98.33%
64.0	21.917	2.217	2402.238	0.09%	98.42%
65.0	20.688	2.108	2404.346	0.08%	98.51%
66.0	19.817	2.021	2406.367	0.08%	98.59%
67.0	18.969	1.950	2408.317	0.08%	98.67%
68.0	18.091	1.877	2410.195	0.07%	98.74%
69.0	17.213	1.801	2411.996	0.07%	98.82%
70.0	16.467	1.730	2413.725	0.07%	98.89%
71.0	15.896	1.673	2415.398	0.07%	98.96%
72.0	15.274	1.621	2417.019	0.06%	99.02%
73.0	14.733	1.569	2418.588	0.06%	99.09%
74.0	14.287	1.526	2420.114	0.06%	99.15%
75.0	13.892	1.489	2421.603	0.06%	99.21%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	13.570	1.458	2423.06	0.06%	99.27%
77.0	13.241	1.429	2424.49	0.06%	99.33%
78.0	12.941	1.402	2425.891	0.05%	99.39%
79.0	12.648	1.375	2427.266	0.05%	99.44%
80.0	12.348	1.348	2428.614	0.05%	99.50%
81.0	12.078	1.321	2429.935	0.05%	99.55%
82.0	11.807	1.295	2431.23	0.05%	99.61%
83.0	11.573	1.271	2432.501	0.05%	99.66%
84.0	11.346	1.249	2433.749	0.05%	99.71%
85.0	11.127	1.227	2434.976	0.05%	99.76%
86.0	10.944	1.206	2436.182	0.05%	99.81%
87.0	10.761	1.188	2437.37	0.05%	99.86%
88.0	10.593	1.170	2438.54	0.05%	99.91%
89.0	10.439	1.153	2439.693	0.04%	99.95%
90.0	10.388	1.142	2440.835	0.04%	100.00%

Zonal flux distribution table

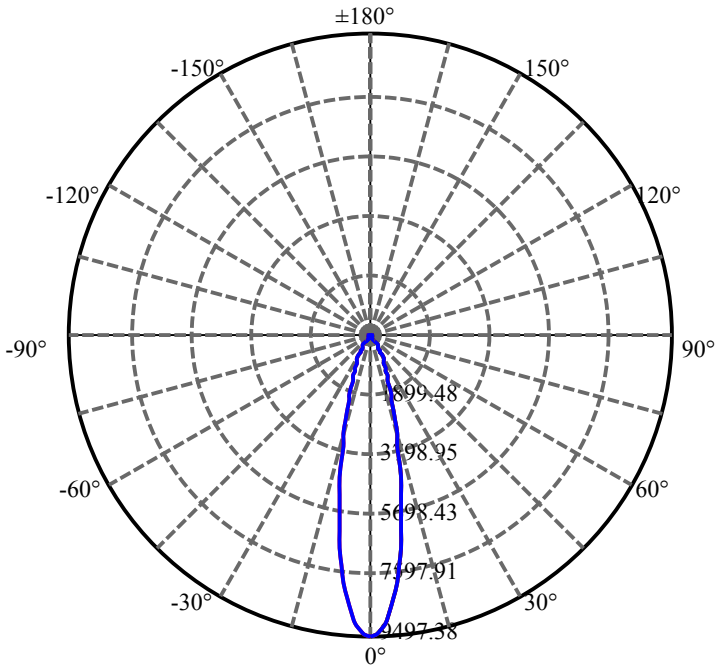
ZONAL LUMEN SUMMARY

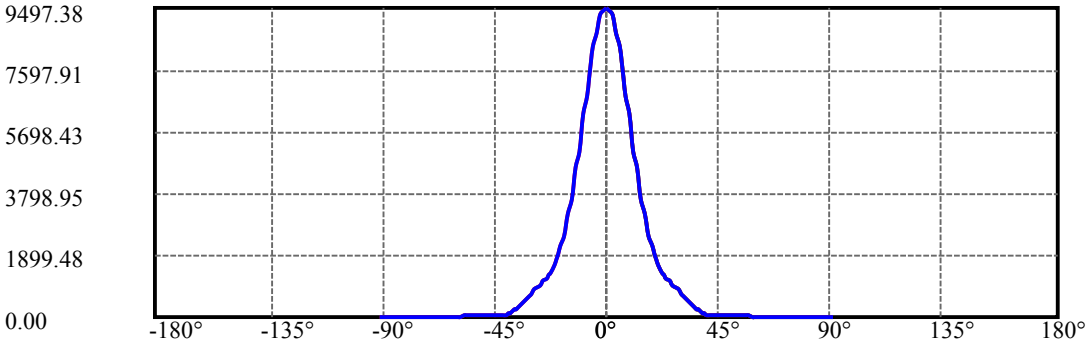
Zone	Lumens	%Lamp	%Fixt
0-30	2118.18	82.39%	86.78%
0-40	2326.07	90.47%	95.30%
0-60	2392.78	93.07%	98.03%
0-90	2439.69	94.89%	99.95%
0-120	2439.69	94.89%	99.95%
0-180	2440.83	94.94%	100.00%
60-90	46.91	1.82%	1.92%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-26.32	1952.67	75.95%	80.00%

ZONAL LUMEN SUMMARY

0-10	706.48
10-20	894.22
20-30	517.48
30-40	207.90
40-50	38.32
50-60	28.39
60-70	20.94
70-80	14.89
80-90	11.08
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):

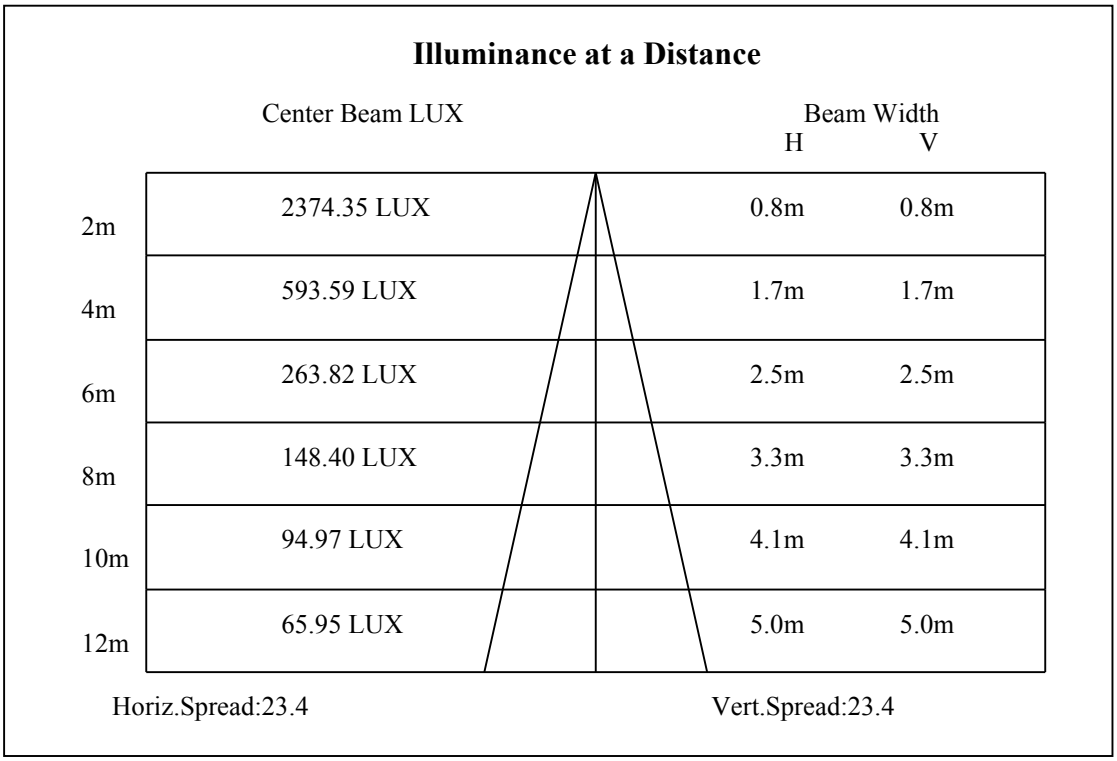
C0/C180:

C90/C270:

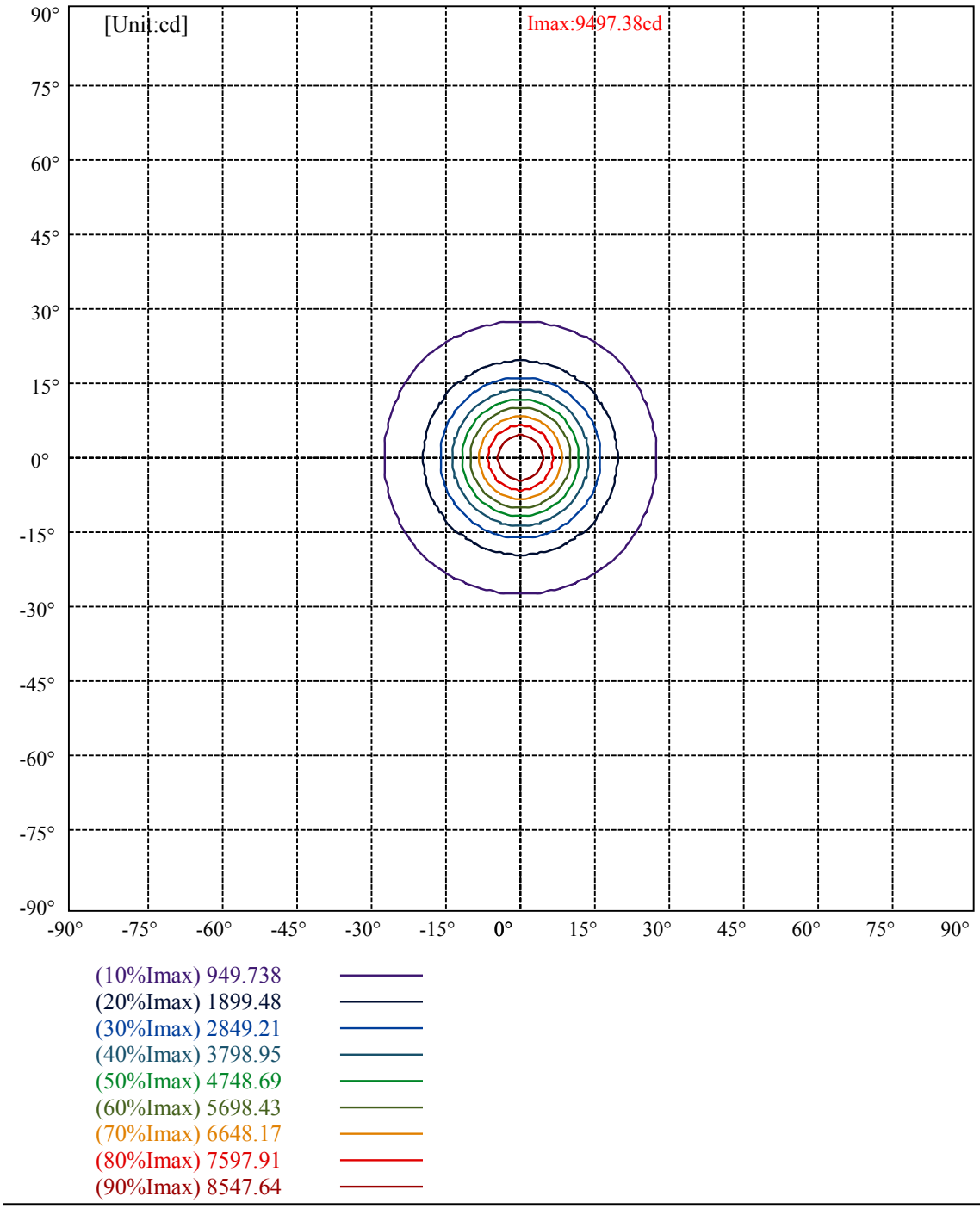
Field angle(10%Imax):C0/180Left:27.1 Right:27.1
:C90/270Left:27.1 Right:27.1

Beam Angle(50%Imax):C0/180Left:11.7 Right:11.7
:C90/270Left:11.7 Right:11.7

Lux distance Curve



ISO-Intensity(V-H)

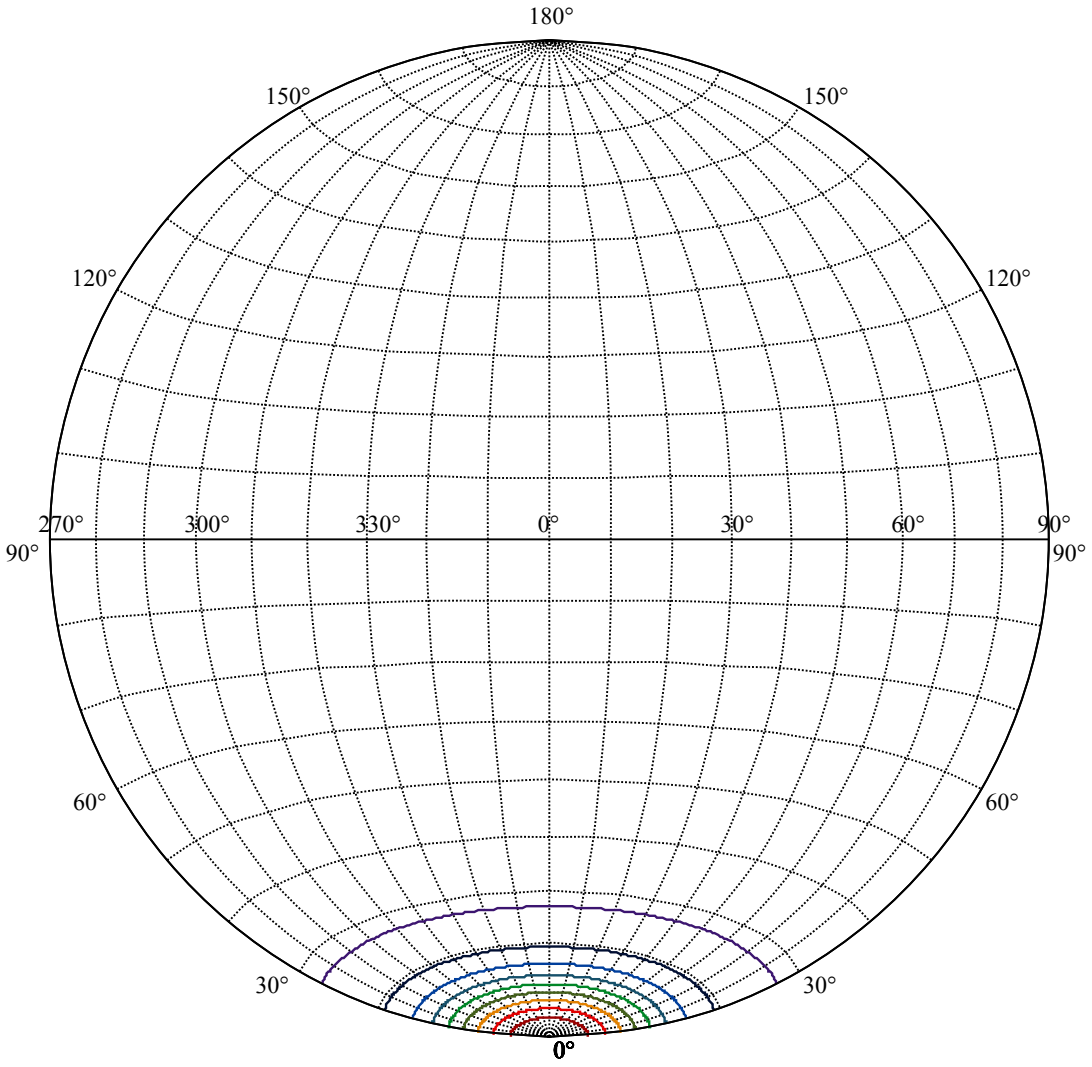


Equipment: GMS1980
Temperature(°C): 25.0

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

Operator: NT07
Distance(m): 7.65

ISO candela diagram on circular web



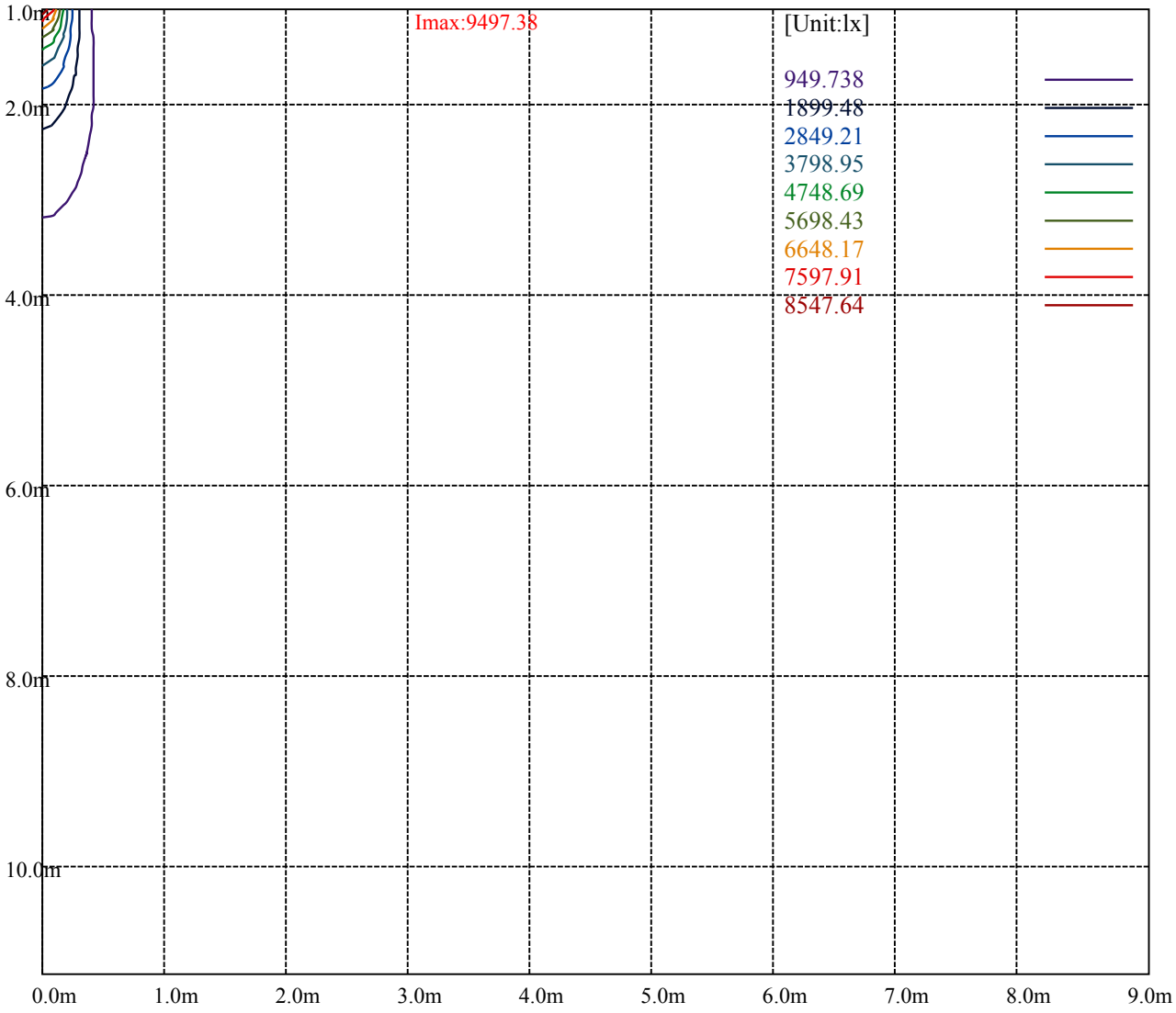
House [Unit:cd] Road

Imax:9497.38

(10%Imax) 949.738
(20%Imax) 1899.48
(30%Imax) 2849.21
(40%Imax) 3798.95
(50%Imax) 4748.69
(60%Imax) 5698.43
(70%Imax) 6648.17
(80%Imax) 7597.91
(90%Imax) 8547.64

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

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 25.0

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

Operator: NT07
Distance(m): 7.65

NT 2-2752-L

Luminance Limitting Curve(no luminous side)

Luminance Table

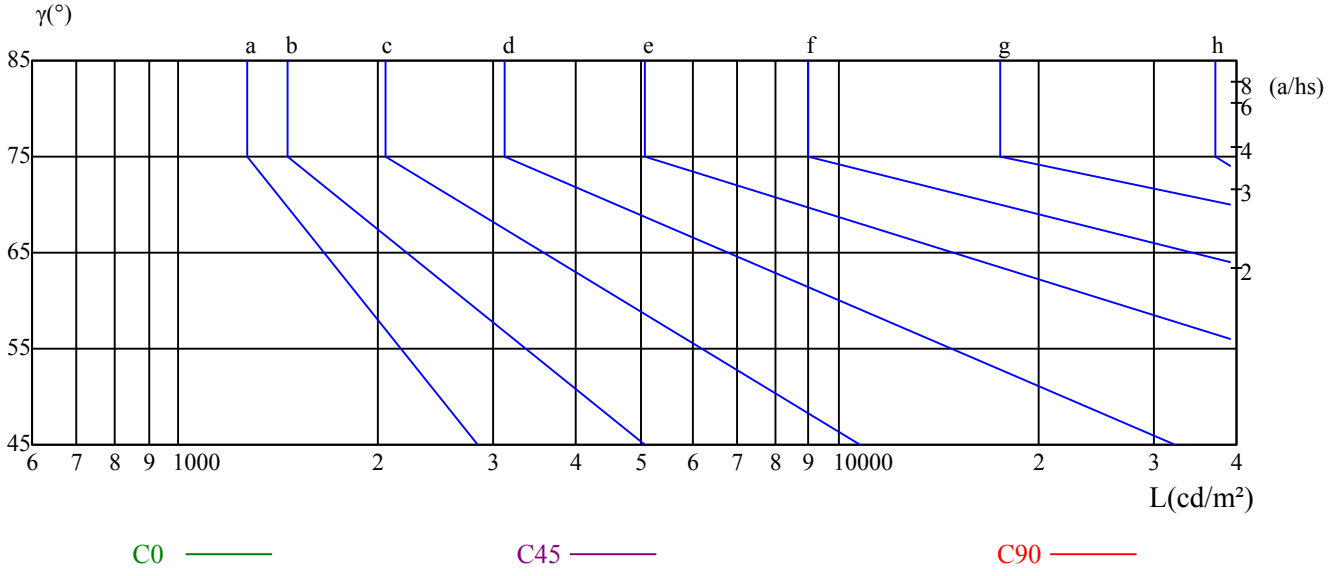
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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



Equipment: GMS1980
Temperature(°C): 25.0

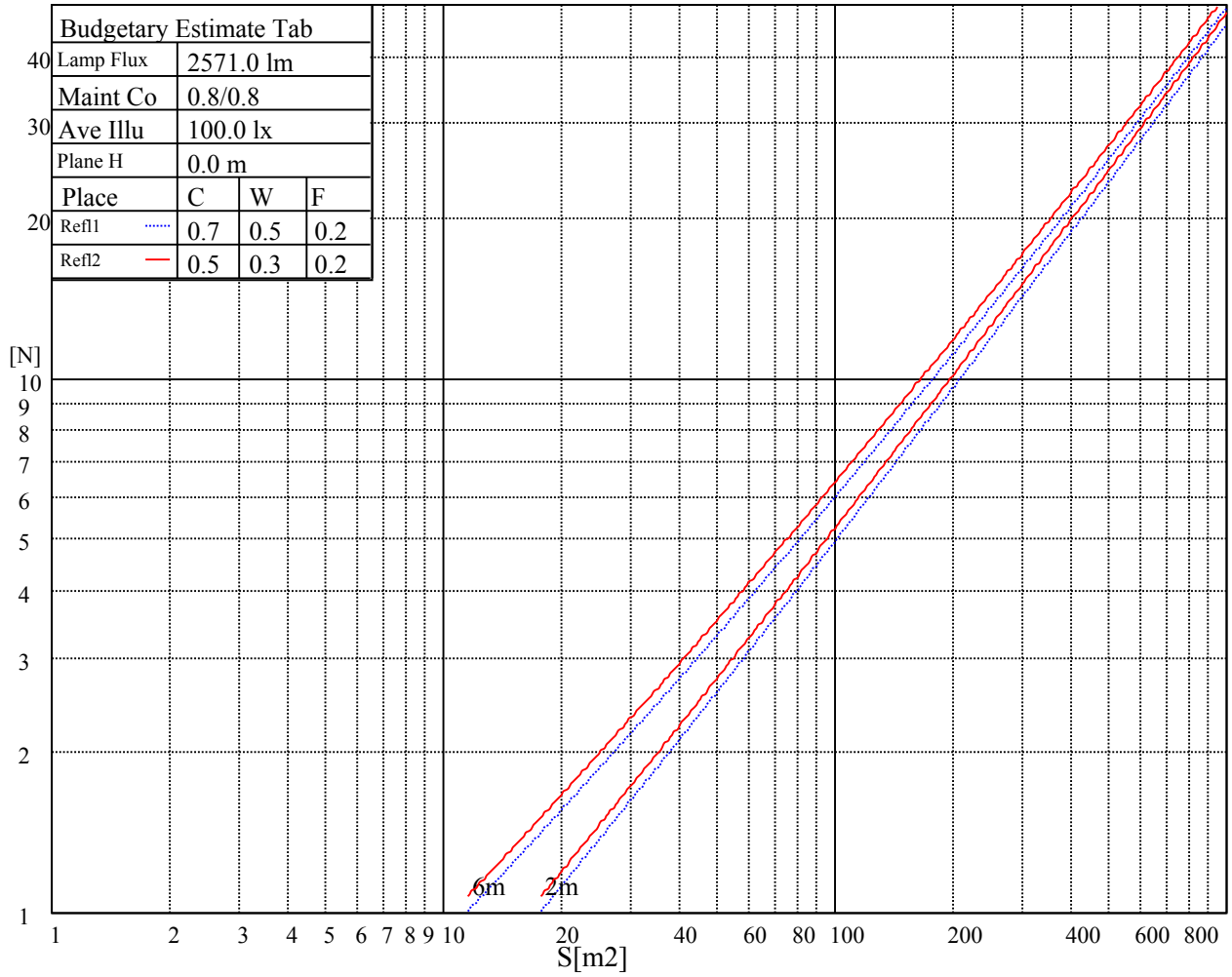
Date: 2024/8/6
Humidity(%): 60.0%

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	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

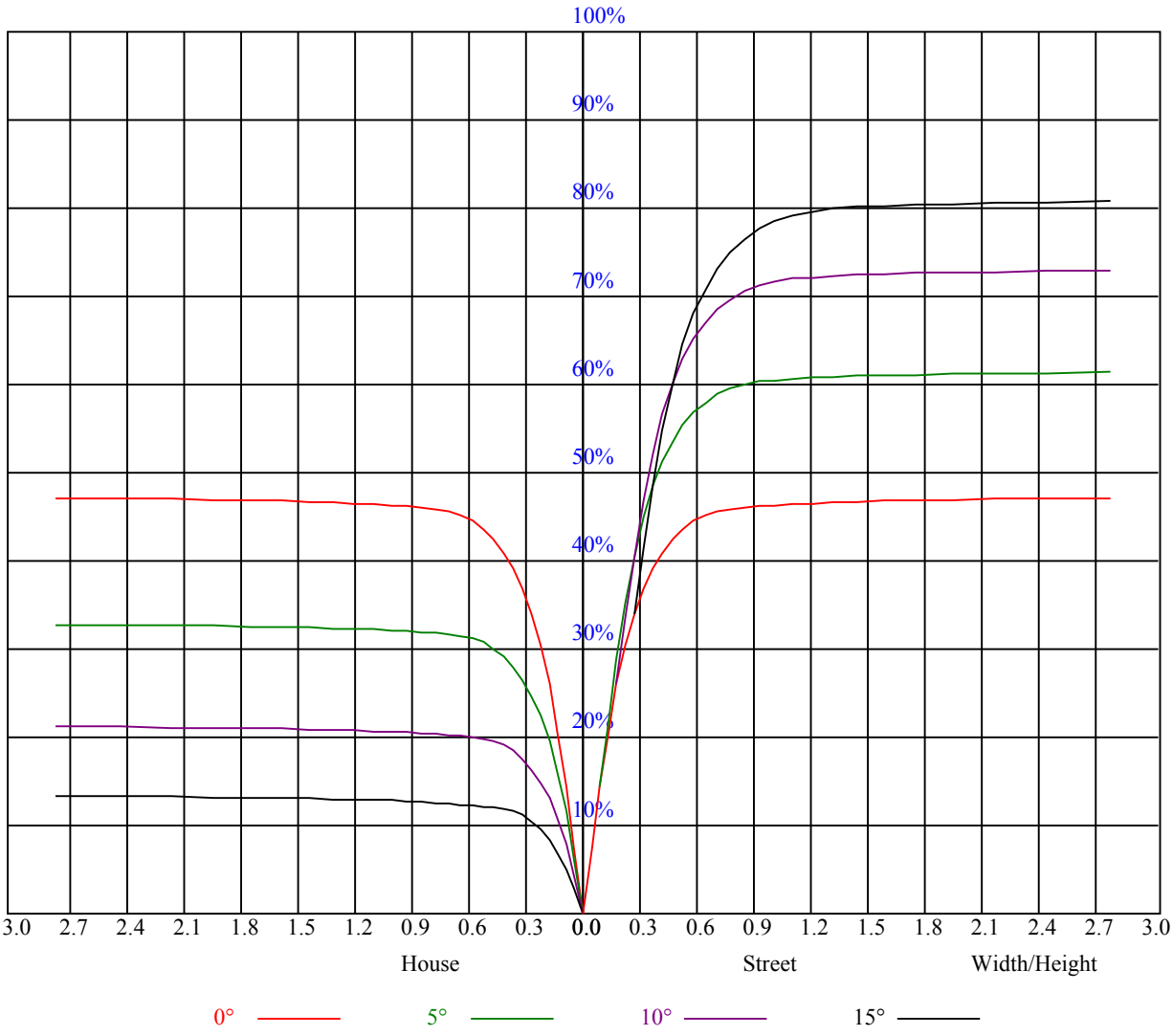


Equipment: GMS1980 Date: 2024/8/6 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

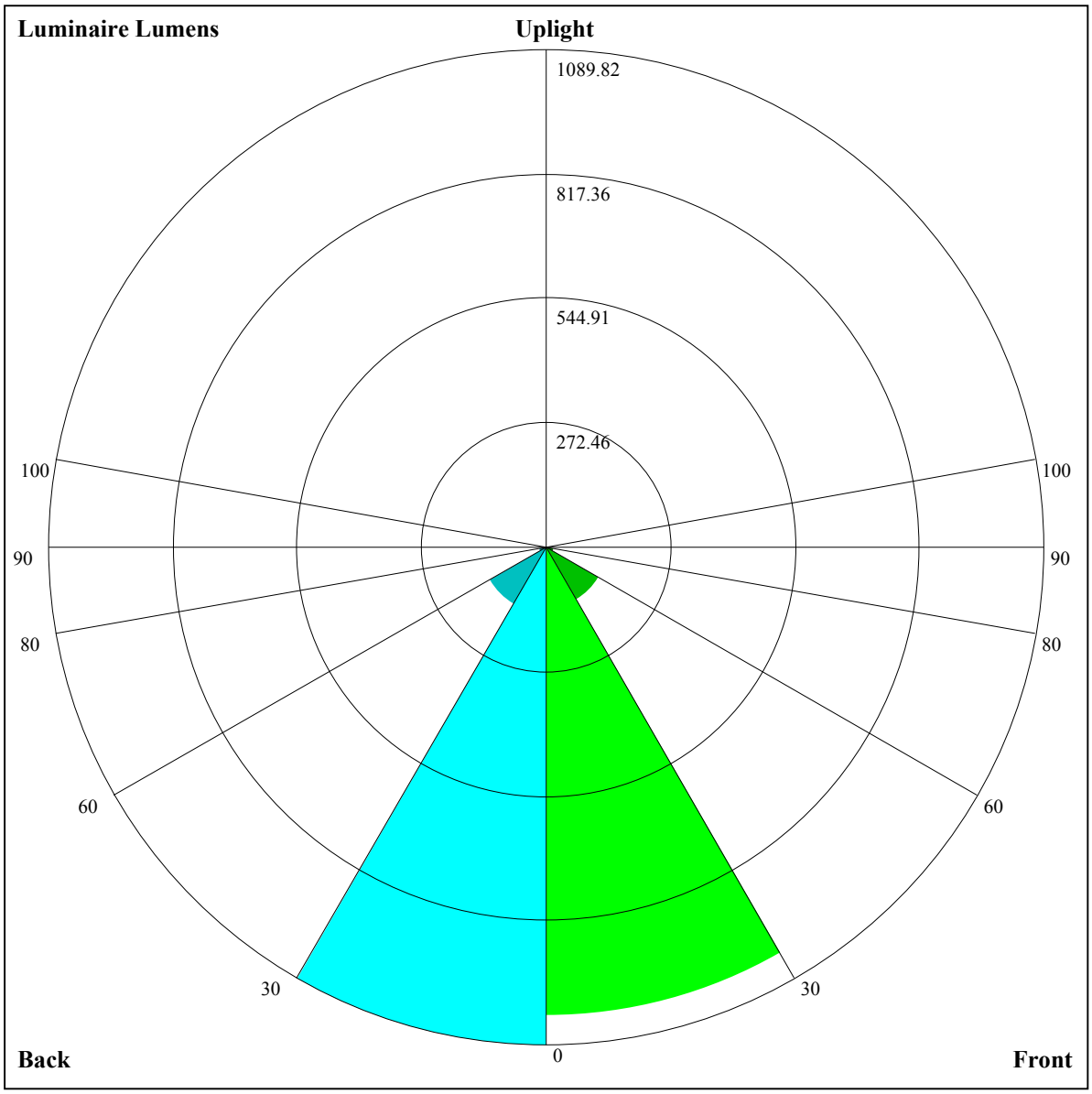
Utilization factor table for indoor luminaire

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	1.13	1.13	1.13	1.10	1.10	1.10	1.05	1.05	1.05	1.01	1.01	1.01	0.97	0.97	0.97	0.95
1	1.06	1.04	1.02	1.04	1.02	1.00	1.00	0.99	0.97	0.97	0.96	0.94	0.93	0.93	0.92	0.90
2	1.00	0.97	0.94	0.99	0.96	0.93	0.96	0.93	0.91	0.93	0.91	0.89	0.90	0.89	0.87	0.86
3	0.95	0.91	0.88	0.94	0.90	0.87	0.91	0.88	0.86	0.89	0.87	0.85	0.87	0.85	0.83	0.82
4	0.91	0.86	0.83	0.89	0.85	0.82	0.88	0.84	0.81	0.86	0.83	0.81	0.84	0.82	0.80	0.78
5	0.86	0.82	0.79	0.86	0.81	0.78	0.84	0.80	0.78	0.83	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	0.80	0.76	0.74	0.78	0.76	0.73	0.72
7	0.80	0.75	0.72	0.79	0.75	0.72	0.78	0.74	0.71	0.77	0.73	0.71	0.76	0.73	0.71	0.69
8	0.77	0.72	0.69	0.76	0.72	0.69	0.75	0.71	0.69	0.74	0.71	0.68	0.73	0.70	0.68	0.67
9	0.74	0.69	0.66	0.73	0.69	0.66	0.73	0.69	0.66	0.72	0.68	0.66	0.71	0.68	0.66	0.65
10	0.71	0.67	0.64	0.71	0.67	0.64	0.70	0.66	0.64	0.70	0.66	0.64	0.69	0.66	0.64	0.63

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=1027.51,FM=131.1,FH=17.71,FVH=6.09
BL=1089.82,BM=144.84,BH=18.16,BVH=6.14
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	9471.93	9327.96	9110.84	8827.01	8358.24	7928.10	7332.93	6834.90	6315.22
45.0	9507.04	9522.84	9445.59	9212.09	8950.49	8625.10	8221.30	7647.78	7161.46
90.0	9535.71	9464.32	9260.07	9001.40	8685.97	8290.94	7737.90	7262.70	6751.21
135.0	9474.85	9547.42	9521.08	9368.93	9129.57	8836.37	8463.00	7922.83	7436.51
180.0	9471.93	9533.96	9484.21	9343.18	9117.86	8743.32	8363.51	7914.06	7307.18
225.0	9507.04	9422.18	9170.53	8890.80	8546.10	8024.08	7562.34	7056.70	6531.17
270.0	9535.71	9499.43	9329.72	9104.99	8811.79	8357.66	7916.98	7418.37	6799.79
315.0	9474.85	9272.36	9022.47	8707.62	8224.23	7763.65	7138.63	6617.20	6090.50
360.0	9471.93	9327.96	9110.84	8827.01	8358.24	7928.10	7332.93	6834.90	6315.22

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	5658.60	5134.24	4620.41	4131.75	3570.52	3177.25	2827.28	2510.09	2175.34
45.0	6539.36	6021.44	5494.74	4845.14	4355.30	3885.95	3461.08	2989.39	2656.39
90.0	6233.88	5594.22	5066.94	4556.62	3976.08	3548.28	3073.66	2737.16	2436.94
135.0	6950.19	6442.80	5794.96	5267.08	4756.18	4157.50	3706.29	3296.63	2840.74
180.0	6789.84	6284.20	5617.63	5088.59	4455.96	3986.03	3557.06	3164.37	2725.45
225.0	5860.50	5330.29	4700.00	4209.58	3760.13	3254.49	2899.85	2584.41	2309.36
270.0	6282.45	5749.89	5091.52	4584.13	4100.73	3648.35	3258.59	2816.75	2500.14
315.0	5551.50	4906.00	4412.66	3941.55	3511.99	3039.13	2696.19	2395.97	2140.23
360.0	5658.60	5134.24	4620.41	4131.75	3570.52	3177.25	2827.28	2510.09	2175.34

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1955.88	1769.19	1573.14	1440.30	1167.06	1167.06	1102.27	1030.93	954.50
45.0	2370.22	2123.84	1864.00	1692.53	1542.71	1387.04	1271.17	1172.85	1069.85
90.0	2177.10	1911.40	1731.15	1574.31	1411.62	1148.15	1148.15	1110.00	1034.50
135.0	2528.82	2262.54	1975.78	1786.75	1626.40	1484.19	1361.88	1229.03	1141.83
180.0	2422.30	2172.41	1950.61	1711.26	1549.15	1419.23	1305.70	1180.46	1096.77
225.0	2009.72	1807.23	1635.18	1492.38	1166.18	1166.18	1144.76	1051.36	984.52
270.0	2220.40	1950.03	1766.27	1564.36	1430.35	1309.79	1185.72	1097.36	1023.03
315.0	1865.17	1687.26	1501.16	1374.75	1147.92	1147.92	1067.98	997.87	935.95
360.0	1955.88	1769.19	1573.14	1440.30	1167.06	1167.06	1102.27	1030.93	954.50

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	891.59	819.26	742.59	640.00	558.42	478.95	404.33	314.38	245.91
45.0	1003.72	941.10	852.73	777.82	698.82	616.89	519.15	442.49	367.58
90.0	951.87	884.98	812.12	714.62	634.09	532.96	453.90	376.59	284.48
135.0	1063.41	977.38	916.52	828.15	749.15	670.14	567.14	485.80	403.28
180.0	1008.40	945.78	880.24	787.19	707.01	622.74	541.98	446.59	373.43
225.0	925.18	837.98	759.39	676.99	574.52	494.81	418.90	345.81	263.18
270.0	966.26	890.19	821.13	742.12	662.53	560.70	479.94	402.69	311.40
315.0	855.66	783.97	708.41	627.42	526.47	446.23	368.28	280.73	216.12
360.0	891.59	819.26	742.59	640.00	558.42	478.95	404.33	314.38	245.91

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	185.69	125.12	92.00	73.86	64.73	59.69	55.19	50.56	47.23
45.0	297.35	297.35	156.43	112.07	80.82	71.10	65.14	58.99	54.84
90.0	220.10	165.50	122.25	88.95	76.31	69.70	64.02	59.22	54.13
135.0	326.03	307.89	224.78	127.87	95.27	74.32	67.94	62.44	57.06
180.0	303.79	303.79	163.75	119.50	89.83	73.39	64.61	59.28	55.19
225.0	201.67	150.17	109.03	78.42	68.41	61.33	56.83	52.90	48.22
270.0	311.40	230.99	120.67	87.84	70.11	61.80	56.94	52.79	49.22
315.0	162.52	112.60	85.85	68.35	61.98	56.53	52.03	47.70	44.59
360.0	185.69	125.12	92.00	73.86	64.73	59.69	55.19	50.56	47.23

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	44.36	41.49	39.44	37.51	36.11	35.00	34.18	33.24	32.95
45.0	50.04	46.70	44.18	42.02	39.27	37.45	36.28	35.29	33.94
90.0	50.15	46.23	43.77	41.38	38.98	37.45	36.23	34.88	34.00
135.0	53.20	49.69	45.65	43.07	40.50	38.51	37.16	36.11	35.17
180.0	50.68	47.23	43.72	41.38	39.27	37.40	35.87	34.94	33.94
225.0	45.06	42.60	39.68	37.75	36.17	35.17	34.00	33.01	32.48
270.0	44.77	41.96	40.03	38.27	35.99	34.65	33.83	33.01	32.07
315.0	41.79	39.74	37.28	35.58	34.53	33.59	32.54	32.01	31.60
360.0	44.36	41.49	39.44	37.51	36.11	35.00	34.18	33.24	32.95

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	32.36	31.54	30.43	29.73	28.79	27.21	25.81	24.87	23.88
45.0	33.24	32.66	31.60	30.72	29.79	28.91	27.86	26.45	25.11
90.0	33.24	32.60	31.66	30.67	29.90	29.14	27.33	25.81	24.81
135.0	34.06	33.59	33.07	32.19	31.19	30.43	29.50	27.68	26.22
180.0	33.18	32.54	32.01	31.25	30.14	29.26	28.21	26.51	25.22
225.0	31.89	30.84	29.90	29.14	28.32	27.04	25.69	24.52	23.53
270.0	31.66	31.08	30.55	29.67	28.85	28.15	26.86	24.93	24.05
315.0	30.96	30.20	29.32	28.62	27.56	26.22	24.58	23.76	22.71
360.0	32.36	31.54	30.43	29.73	28.79	27.21	25.81	24.87	23.88

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	22.30	20.83	20.01	19.31	18.32	17.32	16.68	15.98	15.39
45.0	24.17	23.06	21.54	20.31	19.66	18.84	17.91	16.85	16.27
90.0	23.53	22.18	20.66	19.96	19.25	18.32	17.21	16.62	16.09
135.0	24.99	23.94	22.47	21.07	20.25	19.49	18.61	17.44	16.85
180.0	24.29	22.77	21.36	20.37	19.49	18.73	17.79	16.97	16.27
225.0	22.30	20.66	19.96	19.31	18.38	17.15	16.50	16.09	15.57
270.0	23.17	21.95	20.19	19.61	18.90	18.14	16.80	16.21	15.74
315.0	21.36	19.96	19.31	18.61	17.50	16.74	16.21	15.57	14.98
360.0	22.30	20.83	20.01	19.31	18.32	17.32	16.68	15.98	15.39

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	14.81	14.34	13.99	13.64	13.28	12.99	12.70	12.47	12.11
45.0	15.63	15.04	14.51	14.05	13.75	13.46	13.17	12.82	12.52
90.0	15.45	14.81	14.40	14.05	13.69	13.34	12.99	12.64	12.29
135.0	16.27	15.63	14.86	14.51	14.16	13.75	13.40	13.11	12.82
180.0	15.68	15.10	14.57	14.10	13.81	13.40	13.11	12.82	12.52
225.0	14.75	14.34	13.99	13.58	13.28	12.93	12.70	12.41	12.17
270.0	15.22	14.57	14.22	13.81	13.46	13.23	12.93	12.64	12.35
315.0	14.40	14.05	13.75	13.40	13.11	12.82	12.52	12.29	12.00
360.0	14.81	14.34	13.99	13.64	13.28	12.99	12.70	12.47	12.11

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	11.88	11.65	11.41	11.24	11.06	10.89	10.65	10.48	10.42
45.0	12.29	11.94	11.70	11.47	11.24	11.06	10.83	10.65	10.42
90.0	12.06	11.82	11.59	11.29	11.06	10.94	10.77	10.65	10.42
135.0	12.47	12.11	11.88	11.65	11.35	11.18	11.00	10.83	10.65
180.0	12.23	11.94	11.70	11.47	11.24	11.06	10.89	10.71	10.53
225.0	11.88	11.65	11.41	11.18	11.00	10.83	10.65	10.48	10.36
270.0	12.06	11.82	11.59	11.35	11.12	10.89	10.71	10.53	10.36
315.0	11.76	11.53	11.29	11.12	10.94	10.71	10.59	10.42	10.36
360.0	11.88	11.65	11.41	11.24	11.06	10.89	10.65	10.48	10.42

Intensity data(cd)

C/γ(°)	90.0
0.0	10.42
45.0	10.30
90.0	10.36
135.0	10.53
180.0	10.42
225.0	10.36
270.0	10.36
315.0	10.36
360.0	10.42