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Address:380JinOu Road,GaoXin Zone,Jiang Men City,Guangdong,China

NT

Client:
LumCAT: 1-1485-L
Luminaire: 92.70.427.00
Report No: 2024923-B004
Ballast type: AC

Test No: 2024923-C004	Voltage(V): 36.860
LampCAT: CITIZEN CLU701 LES6.0	Current(A): 0.320
Lamp flux(lm): 1397.0	Power (W): 11.795
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 1117.45, Efficiency(%): 79.99% , Luminous Efficacy(lm/W): 94.74
Central intensity(cd): 3989.099, Maximum intensity(cd): 3989.099
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=24.8
[C90/270]Total=24.8
Field angle(10%Imax): [C0/180]Total=55.2
[C90/270]Total=55.2
Maximum s/h(1/2): C0_180=0.41 C90_270=0.41
Maximum s/h(1/4): C0_180=0.46 C90_270=0.46
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 79.99%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 97.738%

NT 1-1485-L

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	3989.098	0.000	0	0.00%	0.00%
1.0	3964.153	3.805	3.805	0.27%	0.34%
2.0	3895.389	11.281	15.086	0.81%	1.35%
3.0	3793.853	18.390	33.476	1.32%	3.00%
4.0	3655.301	24.935	58.411	1.78%	5.23%
5.0	3492.974	30.752	89.163	2.20%	7.98%
6.0	3305.482	35.728	124.89	2.56%	11.18%
7.0	3095.972	39.734	164.624	2.84%	14.73%
8.0	2893.996	42.869	207.493	3.07%	18.57%
9.0	2684.998	45.215	252.708	3.24%	22.61%
10.0	2478.633	46.729	299.437	3.34%	26.80%
11.0	2260.710	47.356	346.793	3.39%	31.03%
12.0	2070.804	47.350	394.142	3.39%	35.27%
13.0	1876.217	46.841	440.983	3.35%	39.46%
14.0	1701.527	45.795	486.778	3.28%	43.56%
15.0	1498.439	43.931	530.709	3.14%	47.49%
16.0	1328.007	41.415	572.124	2.96%	51.20%
17.0	1241.460	40.014	612.138	2.86%	54.78%
18.0	1150.274	39.435	651.572	2.82%	58.31%
19.0	1048.050	38.246	689.818	2.74%	61.73%
20.0	958.489	36.725	726.544	2.63%	65.02%
21.0	877.303	35.251	761.795	2.52%	68.17%
22.0	805.577	33.818	795.613	2.42%	71.20%
23.0	737.998	32.388	828.001	2.32%	74.10%
24.0	661.875	30.606	858.607	2.19%	76.84%
25.0	593.001	28.533	887.141	2.04%	79.39%
26.0	522.335	26.328	913.468	1.88%	81.75%
27.0	441.377	23.577	937.046	1.69%	83.86%
28.0	368.948	20.516	957.561	1.47%	85.69%
29.0	305.985	17.658	975.22	1.26%	87.27%
30.0	255.348	15.156	990.375	1.08%	88.63%
31.0	207.418	12.878	1003.254	0.92%	89.78%
32.0	158.494	10.483	1013.736	0.75%	90.72%
33.0	111.142	7.944	1021.68	0.57%	91.43%
34.0	90.454	6.101	1027.781	0.44%	91.98%
35.0	77.769	5.224	1033.005	0.37%	92.44%
36.0	69.656	4.694	1037.699	0.34%	92.86%
37.0	63.409	4.340	1042.039	0.31%	93.25%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	57.425	4.033	1046.072	0.29%	93.61%
39.0	52.261	3.744	1049.816	0.27%	93.95%
40.0	47.257	3.471	1053.287	0.25%	94.26%
41.0	43.043	3.216	1056.503	0.23%	94.55%
42.0	39.334	2.993	1059.496	0.21%	94.81%
43.0	35.933	2.788	1062.284	0.20%	95.06%
44.0	33.197	2.609	1064.893	0.19%	95.30%
45.0	30.585	2.451	1067.344	0.18%	95.52%
46.0	28.303	2.303	1069.647	0.16%	95.72%
47.0	26.277	2.171	1071.818	0.16%	95.92%
48.0	24.462	2.051	1073.869	0.15%	96.10%
49.0	22.758	1.939	1075.808	0.14%	96.27%
50.0	21.317	1.838	1077.646	0.13%	96.44%
51.0	19.963	1.747	1079.392	0.13%	96.59%
52.0	18.749	1.661	1081.053	0.12%	96.74%
53.0	17.659	1.584	1082.637	0.11%	96.88%
54.0	16.730	1.516	1084.153	0.11%	97.02%
55.0	15.911	1.457	1085.61	0.10%	97.15%
56.0	15.128	1.403	1087.013	0.10%	97.28%
57.0	14.448	1.352	1088.365	0.10%	97.40%
58.0	13.863	1.309	1089.674	0.09%	97.51%
59.0	13.314	1.271	1090.945	0.09%	97.63%
60.0	12.816	1.234	1092.179	0.09%	97.74%
61.0	12.363	1.202	1093.381	0.09%	97.85%
62.0	11.917	1.170	1094.551	0.08%	97.95%
63.0	11.507	1.139	1095.69	0.08%	98.05%
64.0	11.119	1.110	1096.8	0.08%	98.15%
65.0	10.805	1.085	1097.885	0.08%	98.25%
66.0	10.439	1.060	1098.945	0.08%	98.34%
67.0	10.139	1.035	1099.98	0.07%	98.44%
68.0	9.803	1.010	1100.99	0.07%	98.53%
69.0	9.517	0.986	1101.975	0.07%	98.61%
70.0	9.210	0.962	1102.937	0.07%	98.70%
71.0	8.910	0.937	1103.874	0.07%	98.78%
72.0	8.632	0.912	1104.786	0.07%	98.87%
73.0	8.347	0.888	1105.674	0.06%	98.95%
74.0	8.069	0.863	1106.537	0.06%	99.02%
75.0	7.820	0.840	1107.376	0.06%	99.10%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	7.564	0.817	1108.193	0.06%	99.17%
77.0	7.301	0.793	1108.985	0.06%	99.24%
78.0	7.059	0.769	1109.754	0.06%	99.31%
79.0	6.825	0.746	1110.5	0.05%	99.38%
80.0	6.613	0.724	1111.225	0.05%	99.44%
81.0	6.394	0.703	1111.928	0.05%	99.51%
82.0	6.189	0.682	1112.61	0.05%	99.57%
83.0	6.006	0.663	1113.273	0.05%	99.63%
84.0	5.838	0.645	1113.918	0.05%	99.68%
85.0	5.684	0.629	1114.547	0.05%	99.74%
86.0	5.523	0.613	1115.16	0.04%	99.79%
87.0	5.377	0.597	1115.756	0.04%	99.85%
88.0	5.209	0.580	1116.336	0.04%	99.90%
89.0	5.077	0.564	1116.9	0.04%	99.95%
90.0	4.996	0.552	1117.452	0.04%	100.00%

Zonal flux distribution table

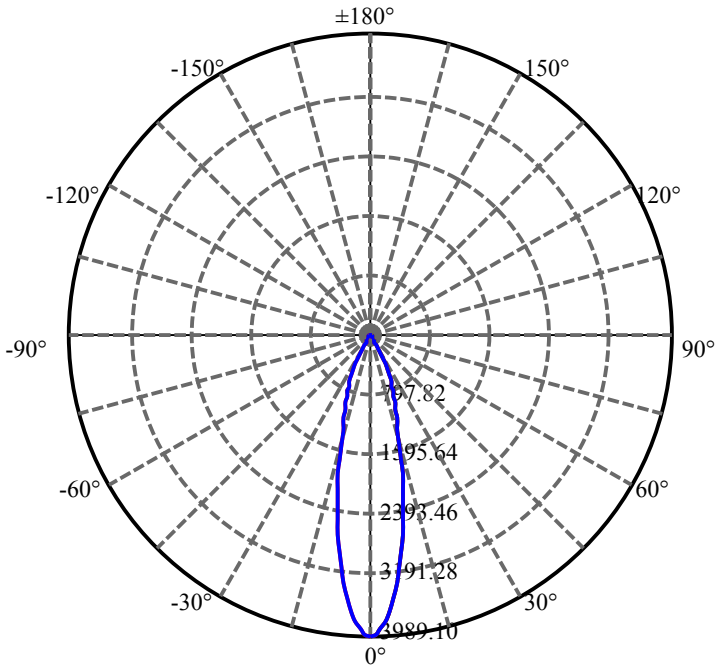
ZONAL LUMEN SUMMARY

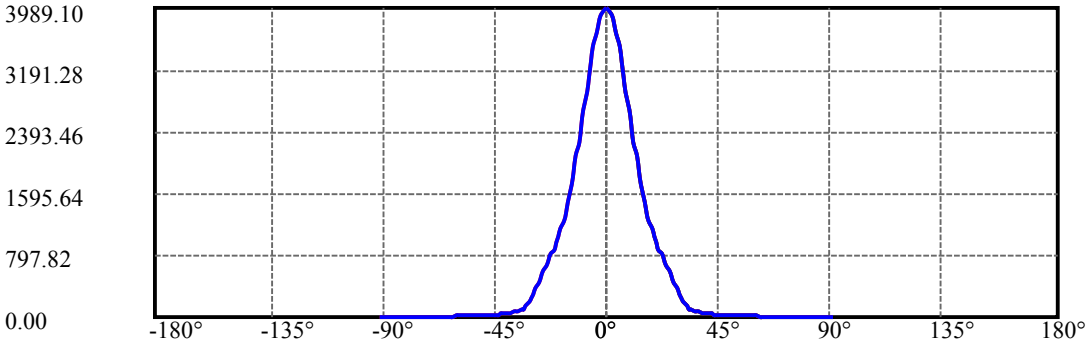
Zone	Lumens	%Lamp	%Fixt
0-30	990.38	70.89%	88.63%
0-40	1053.29	75.40%	94.26%
0-60	1092.18	78.18%	97.74%
0-90	1116.90	79.95%	99.95%
0-120	1116.90	79.95%	99.95%
0-180	1117.45	79.99%	100.00%
60-90	24.72	1.77%	2.21%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-25.26	893.96	63.99%	80.00%

ZONAL LUMEN SUMMARY

0-10	299.44
10-20	427.11
20-30	263.83
30-40	62.91
40-50	24.36
50-60	14.53
60-70	10.76
70-80	8.29
80-90	5.68
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:

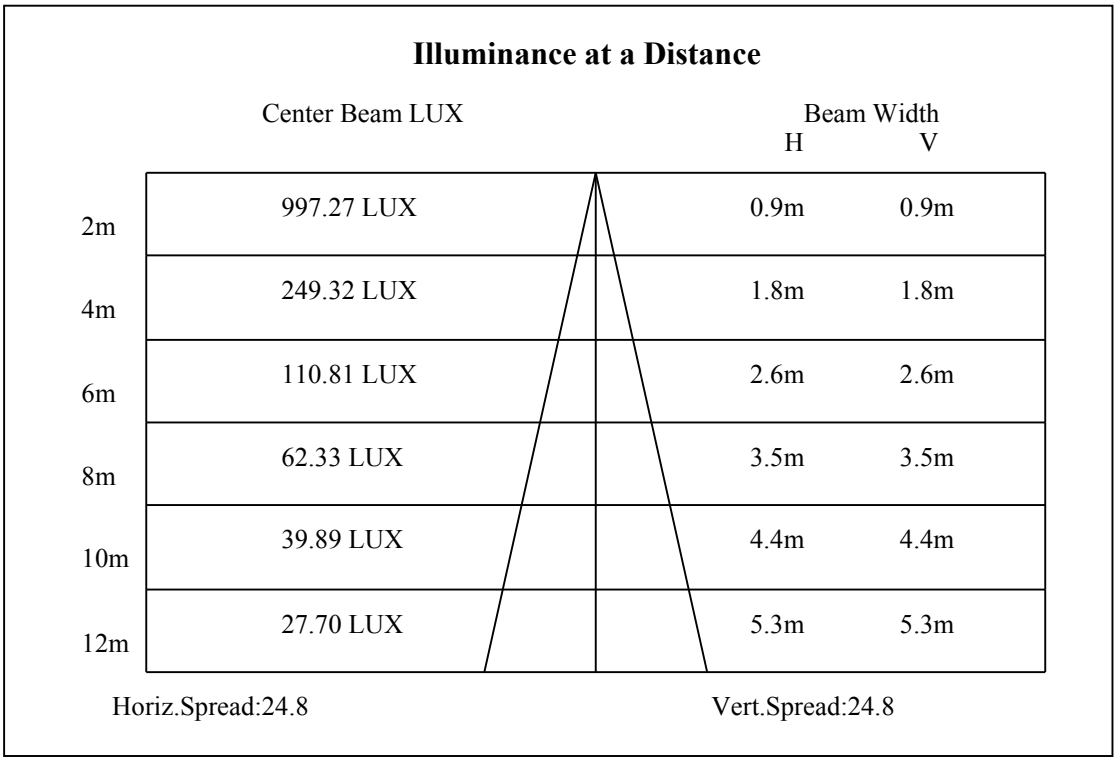
C90/C270:

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

Beam Angle(50%Imax):C0/180Left:12.4 Right:12.4
:C90/270Left:12.4 Right:12.4

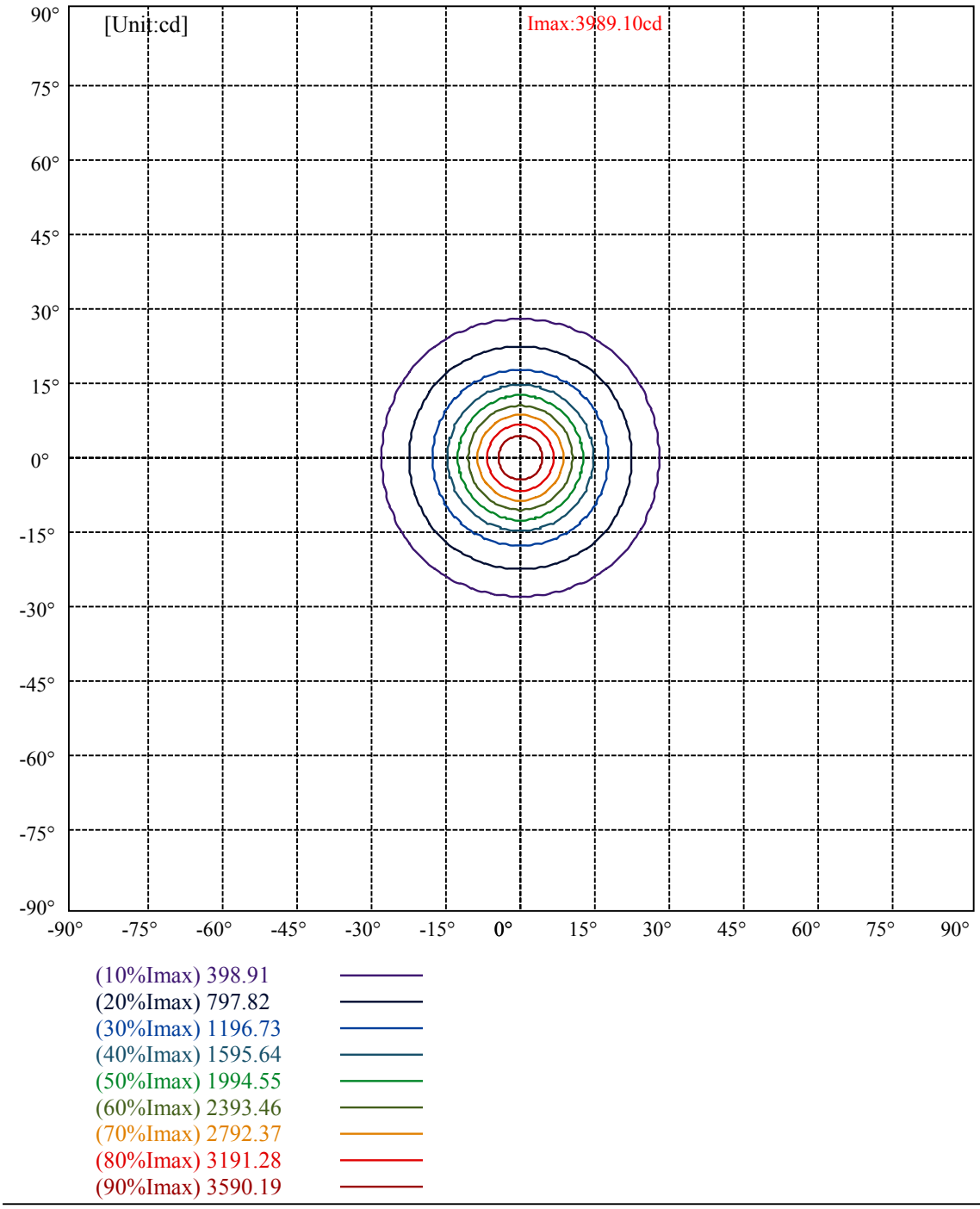
Equipment: GMS1980	Date: 2024/9/23	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65

Lux distance Curve



Equipment: GMS1980 Date: 2024/9/23 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

ISO-Intensity(V-H)



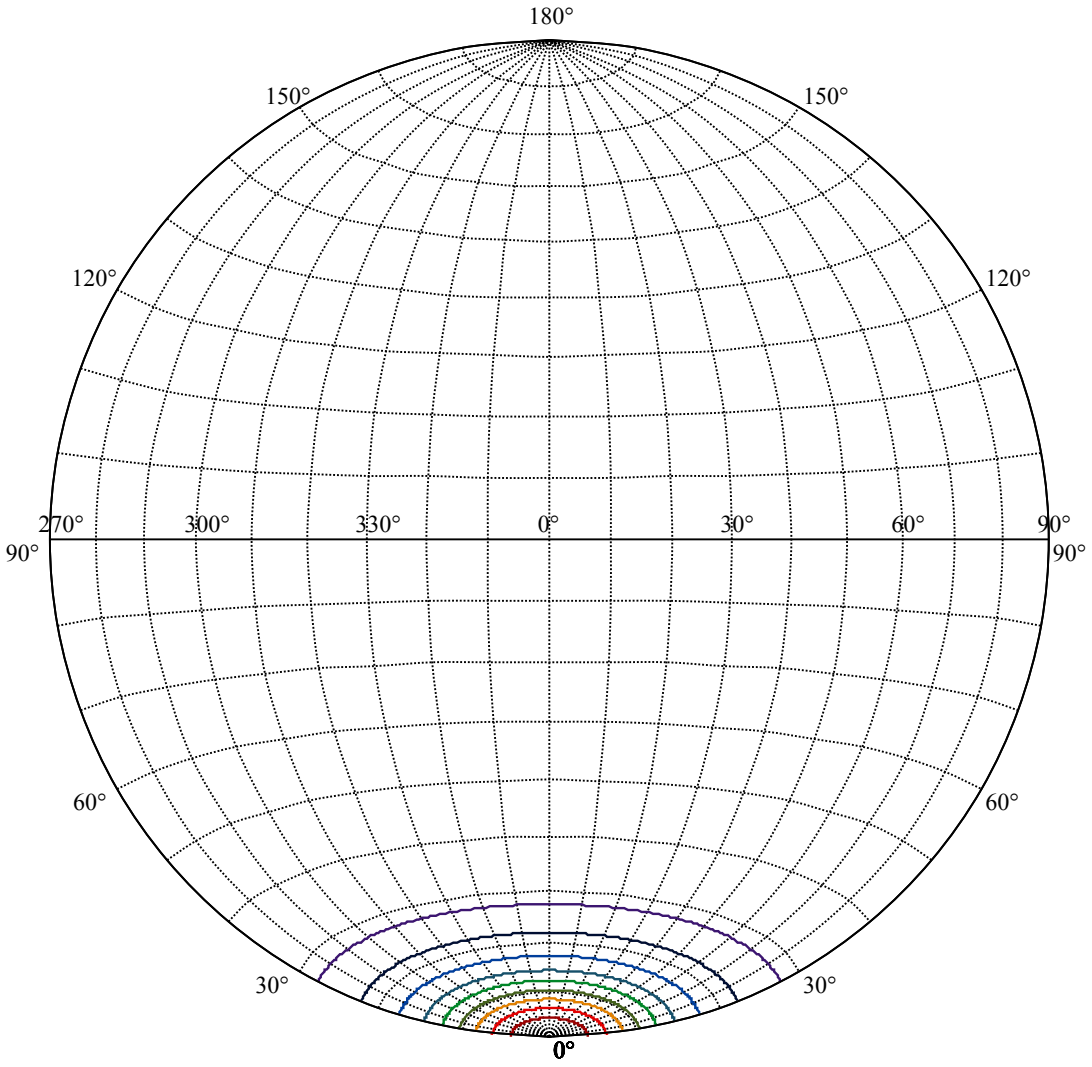
(10%Imax) 398.91
(20%Imax) 797.82
(30%Imax) 1196.73
(40%Imax) 1595.64
(50%Imax) 1994.55
(60%Imax) 2393.46
(70%Imax) 2792.37
(80%Imax) 3191.28
(90%Imax) 3590.19

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/9/23
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

ISO candela diagram on circular web



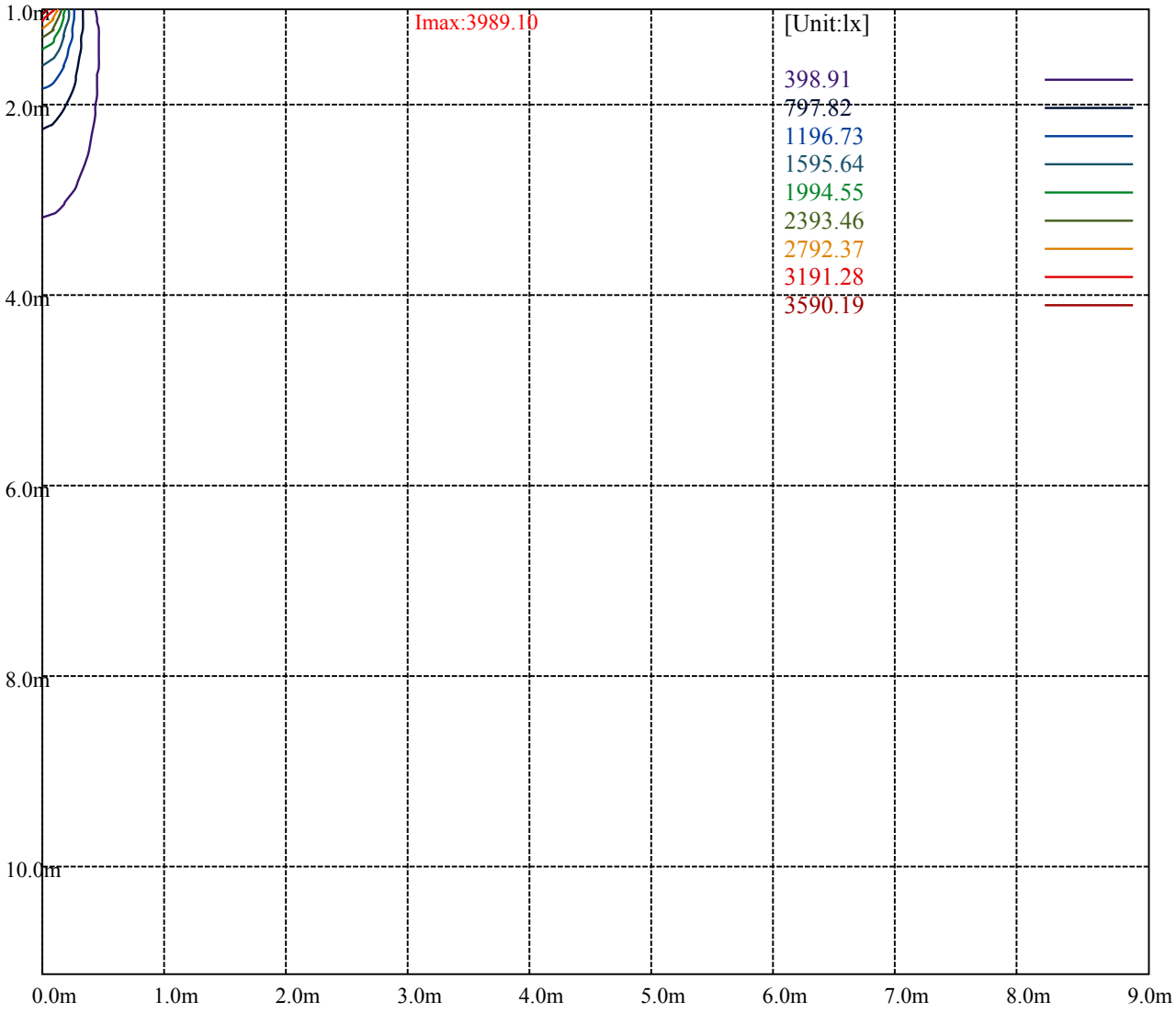
House [Unit:cd] Road

Imax:3989.10

(10%Imax) 398.91
(20%Imax) 797.82
(30%Imax) 1196.73
(40%Imax) 1595.64
(50%Imax) 1994.55
(60%Imax) 2393.46
(70%Imax) 2792.37
(80%Imax) 3191.28
(90%Imax) 3590.19

Equipment: GMS1980 Date: 2024/9/23 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/9/23
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

NT 1-1485-L

Luminance Limitting Curve(no luminous side)

Luminance Table

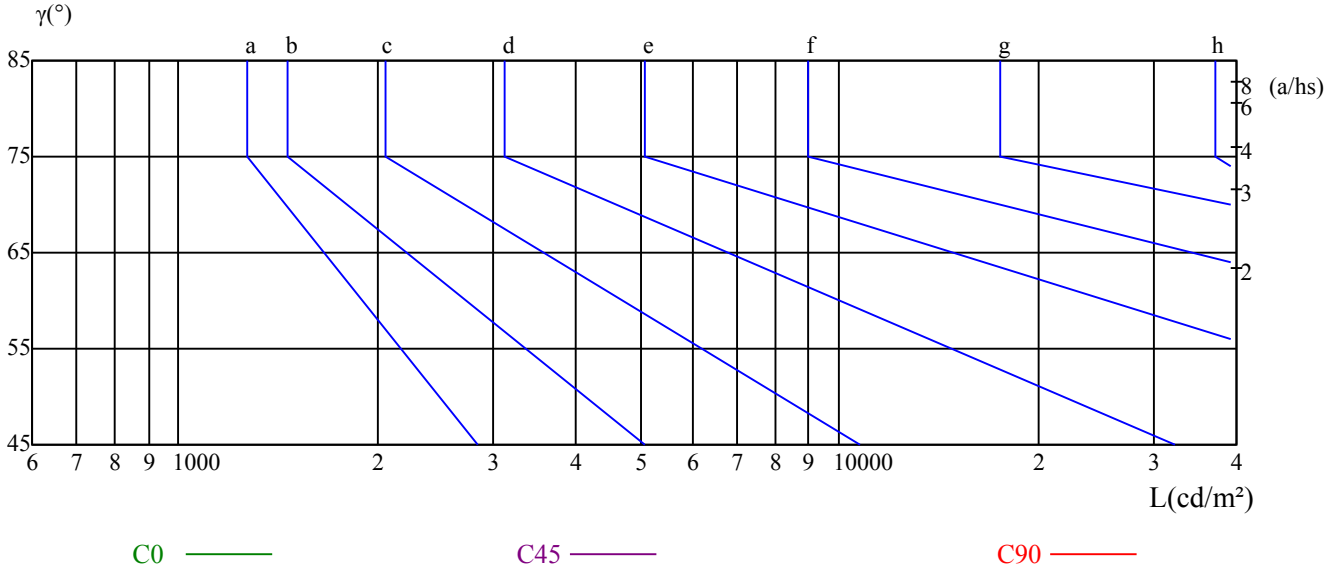
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

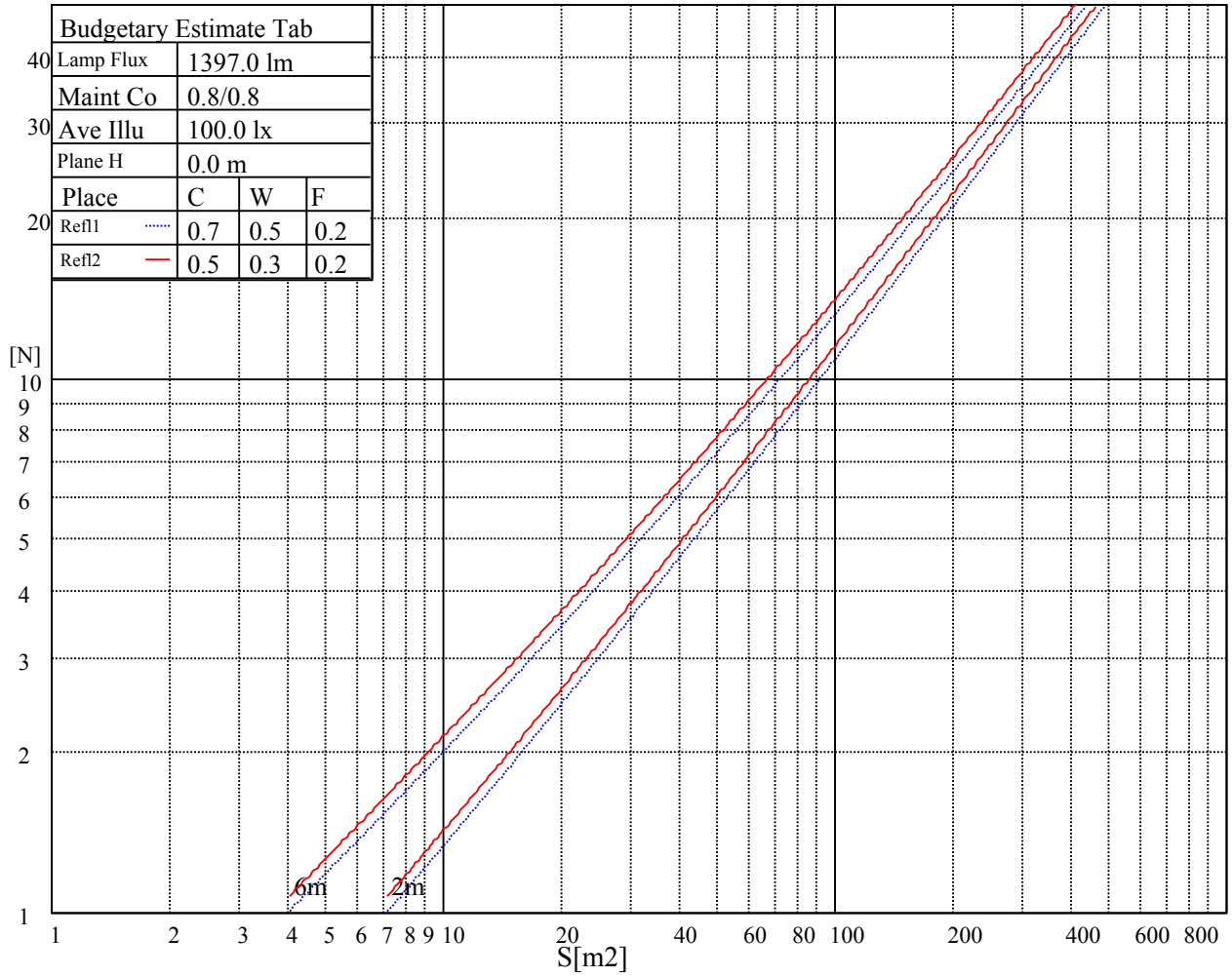
Luminance Limitting Curve



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

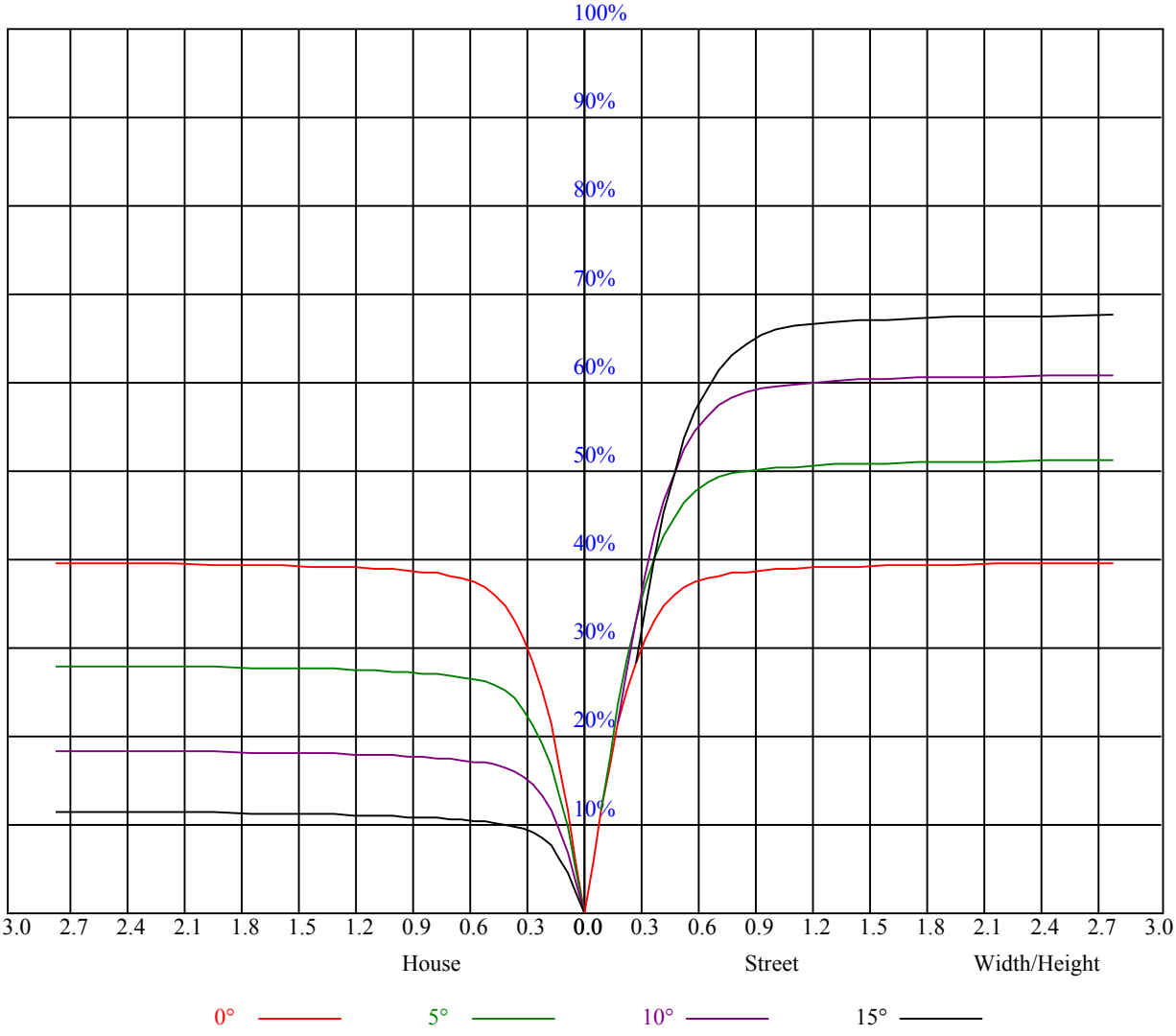


Equipment: GMS1980 Date: 2024/9/23 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

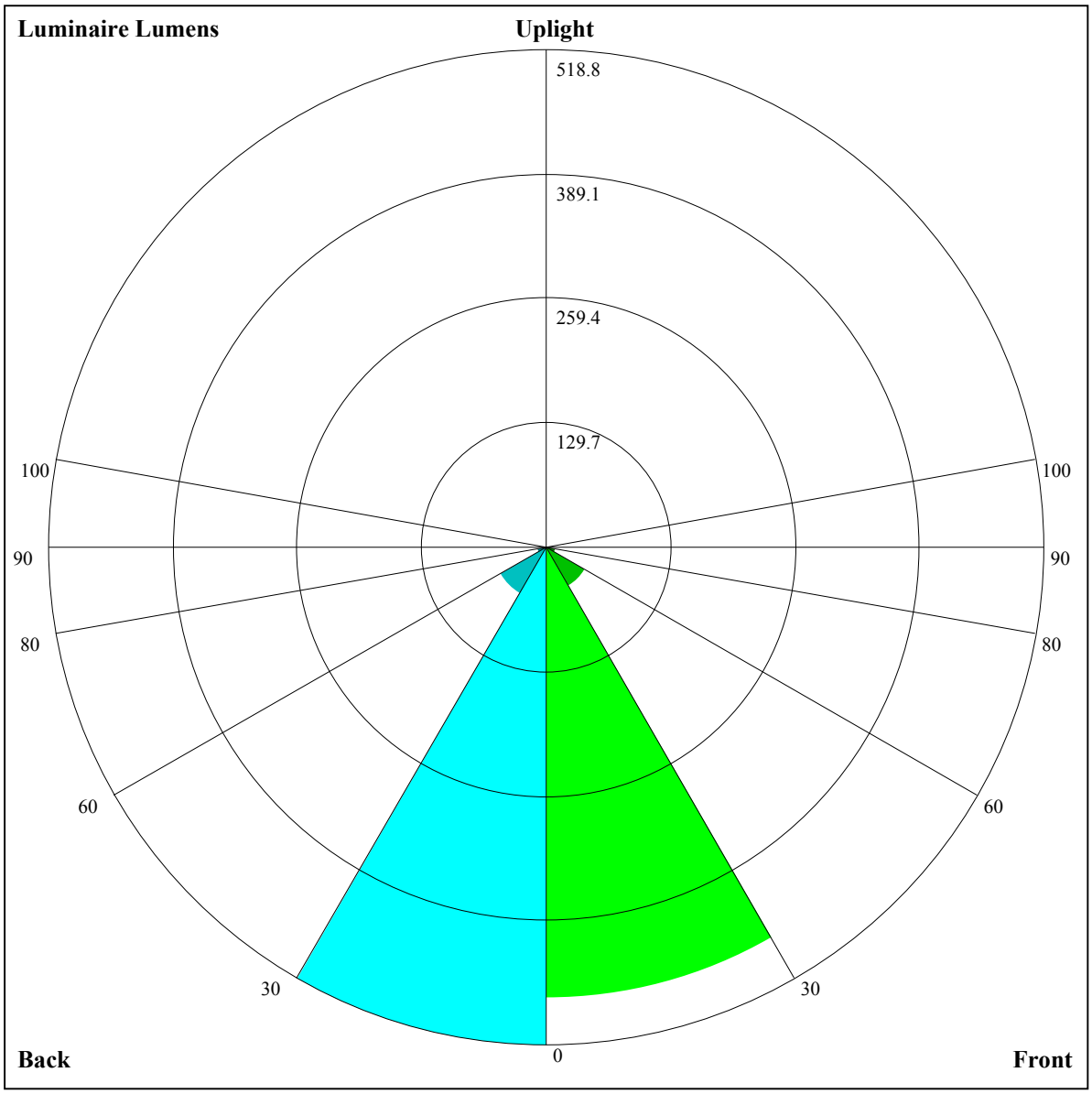
Utilization factor table for indoor luminaire

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	0.95	0.95	0.95	0.93	0.93	0.93	0.89	0.89	0.89	0.85	0.85	0.85	0.82	0.82	0.82	0.80
1	0.89	0.87	0.86	0.88	0.86	0.84	0.84	0.83	0.82	0.81	0.80	0.79	0.79	0.78	0.77	0.76
2	0.84	0.81	0.79	0.83	0.80	0.78	0.80	0.78	0.76	0.78	0.76	0.75	0.76	0.74	0.73	0.72
3	0.80	0.76	0.74	0.79	0.76	0.73	0.77	0.74	0.72	0.75	0.73	0.71	0.73	0.71	0.70	0.69
4	0.76	0.72	0.69	0.75	0.72	0.69	0.73	0.71	0.68	0.72	0.69	0.67	0.71	0.68	0.67	0.66
5	0.73	0.69	0.66	0.72	0.68	0.66	0.71	0.67	0.65	0.69	0.67	0.64	0.68	0.66	0.64	0.63
6	0.69	0.66	0.63	0.69	0.65	0.63	0.68	0.65	0.62	0.67	0.64	0.62	0.66	0.63	0.61	0.60
7	0.67	0.63	0.60	0.66	0.63	0.60	0.65	0.62	0.60	0.64	0.61	0.59	0.64	0.61	0.59	0.58
8	0.64	0.60	0.58	0.64	0.60	0.58	0.63	0.60	0.57	0.62	0.59	0.57	0.62	0.59	0.57	0.56
9	0.62	0.58	0.55	0.61	0.58	0.55	0.61	0.58	0.55	0.60	0.57	0.55	0.60	0.57	0.55	0.54
10	0.60	0.56	0.53	0.59	0.56	0.53	0.59	0.56	0.53	0.58	0.55	0.53	0.58	0.55	0.53	0.52

Coefficient Utilization Curve



Equipment: GMS1980	Date: 2024/9/23	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65



Luminaire Lumens:
FL=470.44,FM=47.41,FH=9.41,FVH=3.07
BL=518.8,BM=55.02,BH=9.58,BVH=3.15
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	3974.32	3874.83	3767.74	3617.92	3419.53	3238.69	3055.52	2812.65	2620.70
45.0	3991.88	3998.90	3938.04	3841.48	3716.82	3523.11	3352.81	3111.11	2923.26
90.0	4012.36	3978.42	3899.41	3789.39	3618.50	3461.08	3253.91	3064.30	2871.76
135.0	3977.83	4024.65	4039.28	3989.54	3901.17	3779.44	3620.26	3404.90	3226.40
180.0	3974.32	4008.26	4008.26	3955.59	3874.25	3712.73	3547.11	3370.95	3143.89
225.0	3991.88	3956.76	3842.65	3712.73	3581.05	3417.19	3195.97	3012.21	2814.99
270.0	4012.36	3977.25	3908.19	3815.73	3660.64	3516.09	3362.18	3131.01	2950.76
315.0	3977.83	3894.15	3759.54	3628.45	3470.44	3295.46	3056.10	2860.64	2600.21
360.0	3974.32	3874.83	3767.74	3617.92	3419.53	3238.69	3055.52	2812.65	2620.70

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	2376.07	2182.95	1996.26	1827.72	1636.35	1492.38	1160.15	1160.15	1107.48
45.0	2728.38	2528.23	2284.78	2097.50	1915.50	1748.13	1581.92	1406.94	1283.46
90.0	2678.63	2434.01	2235.03	2046.59	1860.49	1655.07	1498.82	1143.47	1143.47
135.0	2982.95	2799.77	2598.46	2348.57	2151.35	1959.39	1774.46	1564.95	1420.98
180.0	2953.10	2758.81	2511.84	2316.96	2089.90	1916.67	1764.51	1617.04	1450.25
225.0	2614.26	2364.37	2170.66	1993.92	1777.97	1623.47	1456.10	1152.60	1152.60
270.0	2752.37	2556.91	2315.79	2133.20	1946.52	1741.10	1587.19	1414.55	1285.21
315.0	2394.21	2204.02	1972.85	1801.97	1631.67	1476.00	1164.36	1164.36	1088.23
360.0	2376.07	2182.95	1996.26	1827.72	1636.35	1492.38	1160.15	1160.15	1107.48

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1017.36	939.70	866.31	798.77	722.28	650.24	554.09	491.47	420.66
45.0	1169.92	1051.71	974.46	894.28	832.83	769.63	687.70	613.37	538.47
90.0	1088.40	991.43	904.41	805.45	740.25	667.16	604.01	541.92	477.95
135.0	1296.33	1181.04	1061.07	975.04	897.79	812.35	752.66	692.38	608.11
180.0	1331.45	1219.67	1116.67	1000.21	922.37	859.17	777.24	715.79	652.00
225.0	1128.26	1022.04	942.86	875.61	802.52	744.76	675.23	606.29	535.95
270.0	1170.51	1069.26	957.49	879.07	810.60	752.66	667.22	598.16	533.78
315.0	999.97	909.56	844.66	790.00	715.96	648.02	576.86	484.62	411.76
360.0	1017.36	939.70	866.31	798.77	722.28	650.24	554.09	491.47	420.66

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	334.22	269.50	212.50	153.68	118.74	97.26	85.91	76.43	70.40
45.0	464.14	375.19	307.89	307.89	233.21	133.08	103.64	86.15	75.61
90.0	393.33	332.00	274.18	220.28	161.99	124.89	98.38	80.23	72.22
135.0	539.05	454.19	386.89	323.10	307.89	238.13	148.76	114.53	91.12
180.0	562.46	494.57	426.69	339.49	306.13	306.13	162.58	115.82	92.23
225.0	448.75	379.69	311.87	234.09	182.65	128.98	101.42	85.62	74.97
270.0	442.49	379.87	317.84	302.62	230.81	144.84	105.81	89.83	79.42
315.0	346.57	266.57	210.04	161.64	117.92	94.63	82.63	75.03	66.19
360.0	334.22	269.50	212.50	153.68	118.74	97.26	85.91	76.43	70.40

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	64.84	59.81	53.72	49.16	44.42	41.14	38.10	34.70	32.30
45.0	69.41	64.14	58.00	53.14	47.52	43.60	40.20	37.16	34.59
90.0	65.84	58.99	54.07	49.45	44.07	40.44	37.10	33.71	31.31
135.0	76.96	70.17	64.26	59.11	53.26	48.87	43.89	40.44	37.22
180.0	80.29	71.69	63.85	58.58	53.14	47.29	43.19	38.74	35.35
225.0	67.48	61.57	56.42	50.33	45.94	41.96	38.33	34.59	32.07
270.0	71.87	65.19	58.23	52.96	48.28	42.90	39.27	36.11	33.47
315.0	60.57	55.71	50.86	45.35	41.43	38.16	34.59	32.01	29.26
360.0	64.84	59.81	53.72	49.16	44.42	41.14	38.10	34.70	32.30

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	30.14	27.56	25.75	24.11	22.65	21.01	19.84	18.84	17.91
45.0	31.49	29.32	27.39	25.52	23.58	22.06	20.72	19.25	18.26
90.0	29.09	27.10	24.81	23.23	21.77	20.48	19.02	18.02	16.85
135.0	34.06	31.78	29.67	27.68	25.46	23.88	22.36	21.13	19.66
180.0	32.42	29.79	27.56	25.63	23.82	22.30	20.54	19.25	18.14
225.0	29.73	27.10	25.28	23.23	21.77	20.37	19.14	17.73	16.80
270.0	30.49	28.38	26.04	24.35	22.41	21.07	19.84	18.67	17.44
315.0	27.27	25.40	23.70	21.95	20.60	19.37	18.26	17.09	16.21
360.0	30.14	27.56	25.75	24.11	22.65	21.01	19.84	18.84	17.91

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	16.91	16.15	15.45	14.75	14.22	13.58	13.11	12.70	12.29
45.0	17.15	16.33	15.63	14.86	14.22	13.69	13.23	12.76	12.17
90.0	16.04	15.33	14.51	13.99	13.46	12.99	12.47	12.06	11.65
135.0	18.61	17.73	16.68	15.98	15.33	14.51	13.99	13.46	12.87
180.0	17.15	16.04	15.27	14.46	13.87	13.34	12.76	12.35	11.94
225.0	15.92	15.16	14.34	13.75	13.17	12.70	12.11	11.76	11.29
270.0	16.62	15.80	15.10	14.28	13.75	13.23	12.76	12.23	11.88
315.0	15.45	14.75	14.05	13.52	12.87	12.47	12.11	11.59	11.24
360.0	16.91	16.15	15.45	14.75	14.22	13.58	13.11	12.70	12.29

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	11.82	11.41	11.12	10.77	10.36	10.07	9.71	9.31	9.01
45.0	11.76	11.41	11.06	10.59	10.30	9.89	9.60	9.31	8.95
90.0	11.29	10.83	10.53	10.24	9.83	9.54	9.25	8.95	8.66
135.0	12.47	12.11	11.70	11.29	11.00	10.65	10.36	10.01	9.66
180.0	11.53	11.12	10.89	10.53	10.24	9.95	9.71	9.48	9.13
225.0	10.89	10.59	10.24	9.95	9.71	9.36	9.13	8.84	8.60
270.0	11.41	11.00	10.71	10.30	10.07	9.71	9.42	9.07	8.84
315.0	10.89	10.48	10.18	9.83	9.60	9.25	8.95	8.72	8.43
360.0	11.82	11.41	11.12	10.77	10.36	10.07	9.71	9.31	9.01

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	8.78	8.43	8.13	7.90	7.55	7.32	7.08	6.85	6.61
45.0	8.66	8.37	8.08	7.84	7.55	7.32	7.02	6.85	6.67
90.0	8.43	8.13	7.90	7.67	7.43	7.14	6.91	6.67	6.44
135.0	9.36	9.01	8.72	8.43	8.19	7.96	7.61	7.43	7.20
180.0	8.90	8.66	8.37	8.08	7.84	7.61	7.37	7.08	6.91
225.0	8.25	8.02	7.84	7.61	7.32	7.08	6.91	6.61	6.44
270.0	8.54	8.25	7.96	7.72	7.49	7.20	6.96	6.73	6.44
315.0	8.13	7.90	7.55	7.32	7.14	6.79	6.61	6.38	6.20
360.0	8.78	8.43	8.13	7.90	7.55	7.32	7.08	6.85	6.61

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	6.44	6.26	6.03	5.91	5.79	5.62	5.44	5.21	4.97
45.0	6.38	6.20	6.03	5.85	5.68	5.50	5.38	5.21	5.09
90.0	6.20	6.03	5.85	5.68	5.56	5.33	5.21	5.09	4.97
135.0	6.96	6.67	6.44	6.20	6.03	5.85	5.62	5.50	5.33
180.0	6.73	6.44	6.26	6.09	5.91	5.74	5.62	5.44	5.27
225.0	6.20	6.03	5.85	5.74	5.56	5.44	5.33	5.15	5.09
270.0	6.26	6.09	5.85	5.68	5.56	5.38	5.27	5.09	4.97
315.0	5.97	5.79	5.74	5.56	5.38	5.33	5.15	4.97	4.92
360.0	6.44	6.26	6.03	5.91	5.79	5.62	5.44	5.21	4.97

Intensity data(cd)

C/γ(°)	90.0
0.0	4.97
45.0	4.92
90.0	4.92
135.0	5.21
180.0	5.21
225.0	4.92
270.0	4.97
315.0	4.86
360.0	4.97