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NT

Client:
LumCAT: 1-1298-L
Luminaire: 92.70.427.00
Report No: 2024617-B011
Ballast type: AC

Test No: 2024717-C011	Voltage(V): 35.410
LampCAT: CITIZEN CLU028 LES9.8	Current(A): 0.360
Lamp flux(lm): 1630.0	Power (W): 12.747
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 1470.89, Efficiency(%): 90.24% , Luminous Efficacy(lm/W): 115.39
Central intensity(cd): 6807.835, Maximum intensity(cd): 6807.835
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=18.4
[C90/270]Total=18.4
Field angle(10%Imax): [C0/180]Total=51.2
[C90/270]Total=51.2
Maximum s/h(1/2): C0_180=0.31 C90_270=0.31
Maximum s/h(1/4): C0_180=0.37 C90_270=0.37
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 90.24%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 97.567%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	6807.835	0.000	0	0.00%	0.00%
1.0	6740.680	6.483	6.483	0.40%	0.44%
2.0	6560.870	19.092	25.574	1.17%	1.74%
3.0	6234.168	30.602	56.176	1.88%	3.82%
4.0	5858.453	40.478	96.654	2.48%	6.57%
5.0	5397.003	48.420	145.074	2.97%	9.86%
6.0	4909.145	54.162	199.236	3.32%	13.55%
7.0	4399.341	57.778	257.013	3.54%	17.47%
8.0	3911.556	59.480	316.493	3.65%	21.52%
9.0	3498.460	60.054	376.547	3.68%	25.60%
10.0	3079.000	59.524	436.071	3.65%	29.65%
11.0	2741.472	58.158	494.229	3.57%	33.60%
12.0	2448.128	56.730	550.959	3.48%	37.46%
13.0	2205.259	55.224	606.183	3.39%	41.21%
14.0	2009.721	53.951	660.134	3.31%	44.88%
15.0	1810.379	52.444	712.578	3.22%	48.45%
16.0	1654.270	50.767	763.345	3.11%	51.90%
17.0	1463.297	48.549	811.894	2.98%	55.20%
18.0	1351.745	46.414	858.308	2.85%	58.35%
19.0	1238.651	45.068	903.375	2.76%	61.42%
20.0	1148.277	43.687	947.063	2.68%	64.39%
21.0	1055.556	42.318	989.381	2.60%	67.26%
22.0	967.794	40.660	1030.041	2.49%	70.03%
23.0	885.804	38.893	1068.934	2.39%	72.67%
24.0	797.369	36.800	1105.735	2.26%	75.17%
25.0	727.296	34.668	1140.402	2.13%	77.53%
26.0	655.225	32.635	1173.037	2.00%	79.75%
27.0	585.803	30.362	1203.399	1.86%	81.81%
28.0	521.340	28.031	1231.429	1.72%	83.72%
29.0	458.392	25.633	1257.062	1.57%	85.46%
30.0	397.821	23.118	1280.18	1.42%	87.03%
31.0	338.070	20.479	1300.658	1.26%	88.43%
32.0	288.260	17.944	1318.602	1.10%	89.65%
33.0	254.624	15.994	1334.595	0.98%	90.73%
34.0	203.461	13.863	1348.458	0.85%	91.68%
35.0	171.771	11.653	1360.112	0.71%	92.47%
36.0	122.663	9.375	1369.487	0.58%	93.11%
37.0	97.842	7.192	1376.678	0.44%	93.60%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	77.001	5.836	1382.514	0.36%	93.99%
39.0	62.195	4.751	1387.265	0.29%	94.31%
40.0	51.536	3.967	1391.232	0.24%	94.58%
41.0	43.394	3.380	1394.612	0.21%	94.81%
42.0	38.713	2.983	1397.596	0.18%	95.02%
43.0	34.872	2.726	1400.321	0.17%	95.20%
44.0	32.348	2.537	1402.858	0.16%	95.38%
45.0	30.095	2.400	1405.258	0.15%	95.54%
46.0	28.457	2.290	1407.548	0.14%	95.69%
47.0	26.942	2.203	1409.751	0.14%	95.84%
48.0	25.633	2.125	1411.877	0.13%	95.99%
49.0	24.587	2.062	1413.939	0.13%	96.13%
50.0	23.672	2.012	1415.951	0.12%	96.27%
51.0	22.926	1.972	1417.923	0.12%	96.40%
52.0	22.260	1.939	1419.862	0.12%	96.53%
53.0	21.748	1.914	1421.776	0.12%	96.66%
54.0	21.346	1.899	1423.675	0.12%	96.79%
55.0	21.053	1.893	1425.568	0.12%	96.92%
56.0	20.819	1.892	1427.46	0.12%	97.05%
57.0	20.651	1.896	1429.356	0.12%	97.18%
58.0	20.571	1.906	1431.263	0.12%	97.31%
59.0	20.410	1.916	1433.178	0.12%	97.44%
60.0	20.190	1.918	1435.096	0.12%	97.57%
61.0	19.868	1.912	1437.008	0.12%	97.70%
62.0	19.320	1.888	1438.896	0.12%	97.83%
63.0	18.559	1.842	1440.739	0.11%	97.95%
64.0	17.820	1.785	1442.524	0.11%	98.07%
65.0	16.840	1.715	1444.239	0.11%	98.19%
66.0	15.903	1.634	1445.873	0.10%	98.30%
67.0	15.033	1.556	1447.428	0.10%	98.41%
68.0	14.177	1.480	1448.908	0.09%	98.51%
69.0	13.424	1.408	1450.316	0.09%	98.60%
70.0	12.794	1.347	1451.663	0.08%	98.69%
71.0	12.151	1.289	1452.952	0.08%	98.78%
72.0	11.631	1.237	1454.189	0.08%	98.86%
73.0	11.127	1.190	1455.379	0.07%	98.95%
74.0	10.724	1.149	1456.527	0.07%	99.02%
75.0	10.373	1.115	1457.642	0.07%	99.10%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	10.015	1.082	1458.724	0.07%	99.17%
77.0	9.693	1.051	1459.775	0.06%	99.24%
78.0	9.378	1.021	1460.796	0.06%	99.31%
79.0	9.086	0.992	1461.788	0.06%	99.38%
80.0	8.808	0.965	1462.753	0.06%	99.45%
81.0	8.515	0.937	1463.689	0.06%	99.51%
82.0	8.259	0.910	1464.599	0.06%	99.57%
83.0	8.010	0.884	1465.483	0.05%	99.63%
84.0	7.776	0.860	1466.343	0.05%	99.69%
85.0	7.513	0.834	1467.178	0.05%	99.75%
86.0	7.067	0.797	1467.975	0.05%	99.80%
87.0	6.803	0.759	1468.734	0.05%	99.85%
88.0	6.576	0.733	1469.467	0.04%	99.90%
89.0	6.459	0.715	1470.181	0.04%	99.95%
90.0	6.408	0.706	1470.887	0.04%	100.00%

Zonal flux distribution table

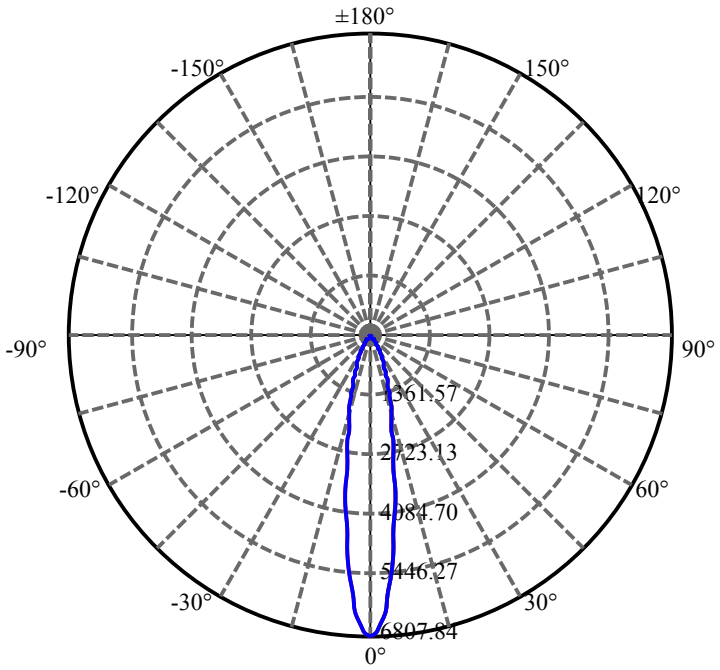
ZONAL LUMEN SUMMARY

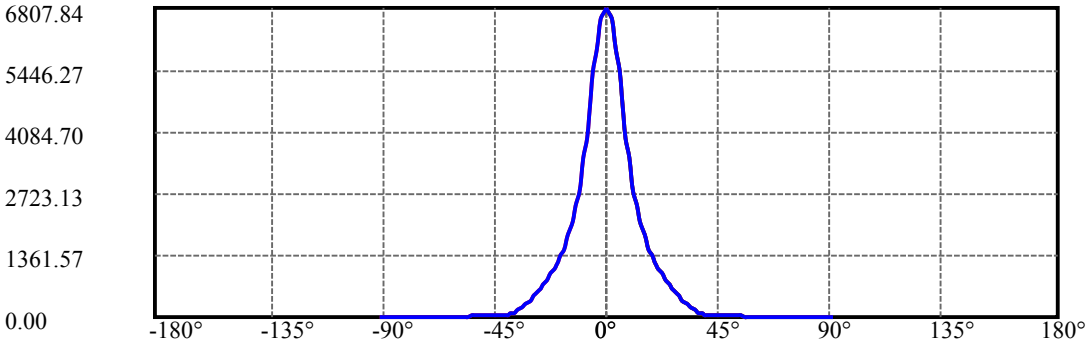
Zone	Lumens	%Lamp	%Fixt
0-30	1280.18	78.54%	87.03%
0-40	1391.23	85.35%	94.58%
0-60	1435.10	88.04%	97.57%
0-90	1470.18	90.20%	99.95%
0-120	1470.18	90.20%	99.95%
0-180	1470.89	90.24%	100.00%
60-90	35.08	2.15%	2.39%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-26.12	1176.71	72.19%	80.00%

ZONAL LUMEN SUMMARY

0-10	436.07
10-20	510.99
20-30	333.12
30-40	111.05
40-50	24.72
50-60	19.15
60-70	16.57
70-80	11.09
80-90	7.43
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):

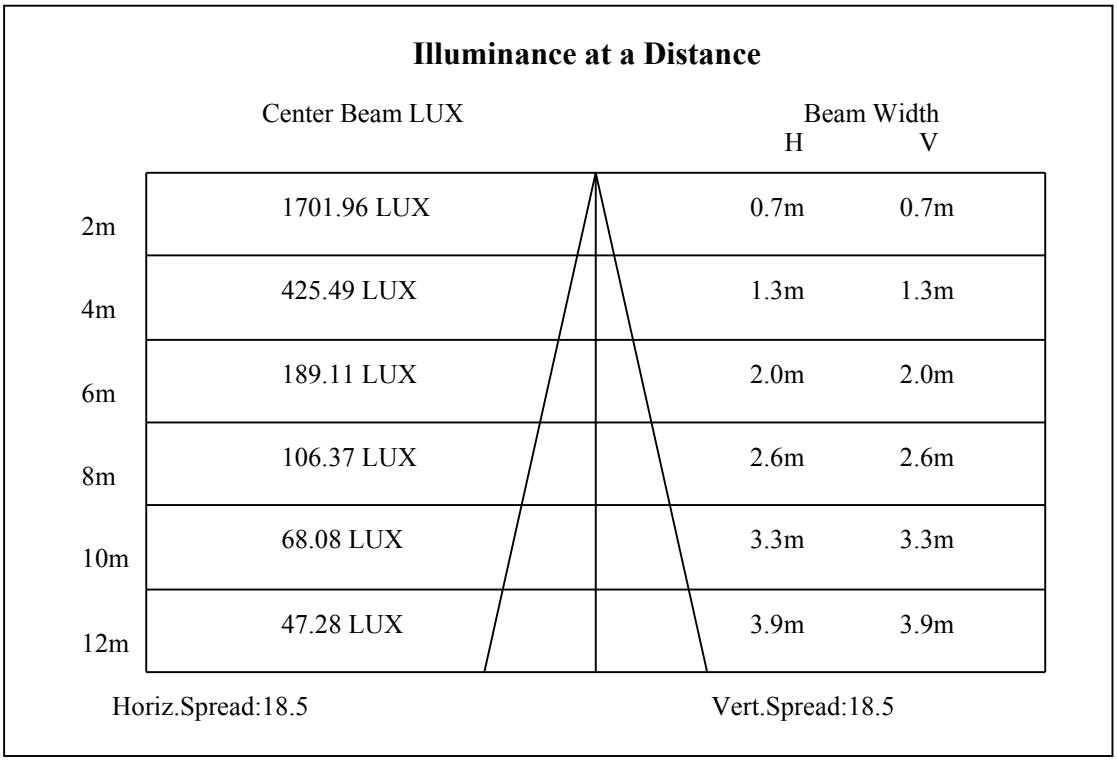
C0/C180:

C90/C270:

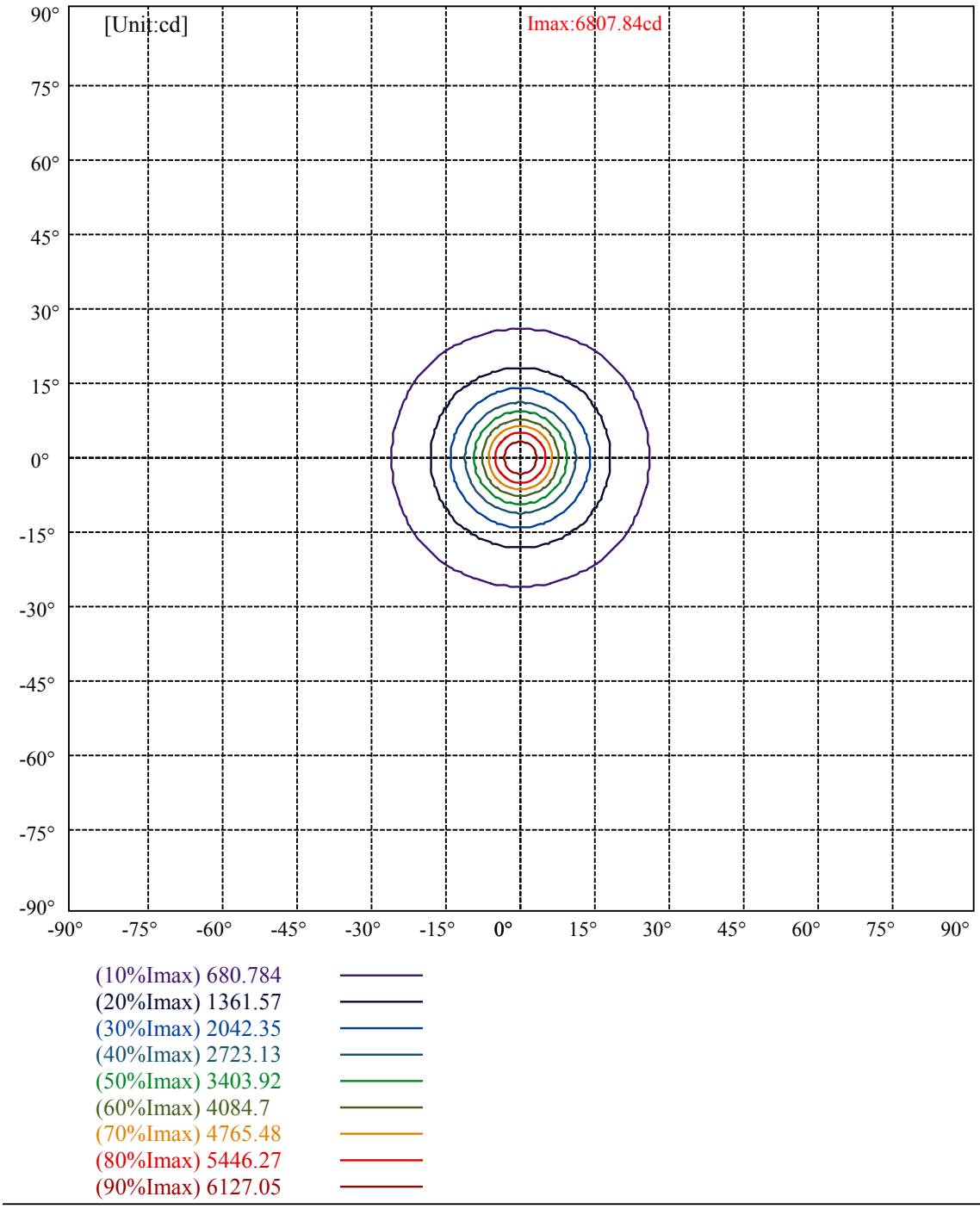
Field angle(10%Imax):C0/180Left:25.6 Right:25.6
:C90/270Left:25.6 Right:25.6

Beam Angle(50%Imax):C0/180Left:9.2 Right:9.2
:C90/270Left:9.2 Right:9.2

Lux distance Curve



ISO-Intensity(V-H)



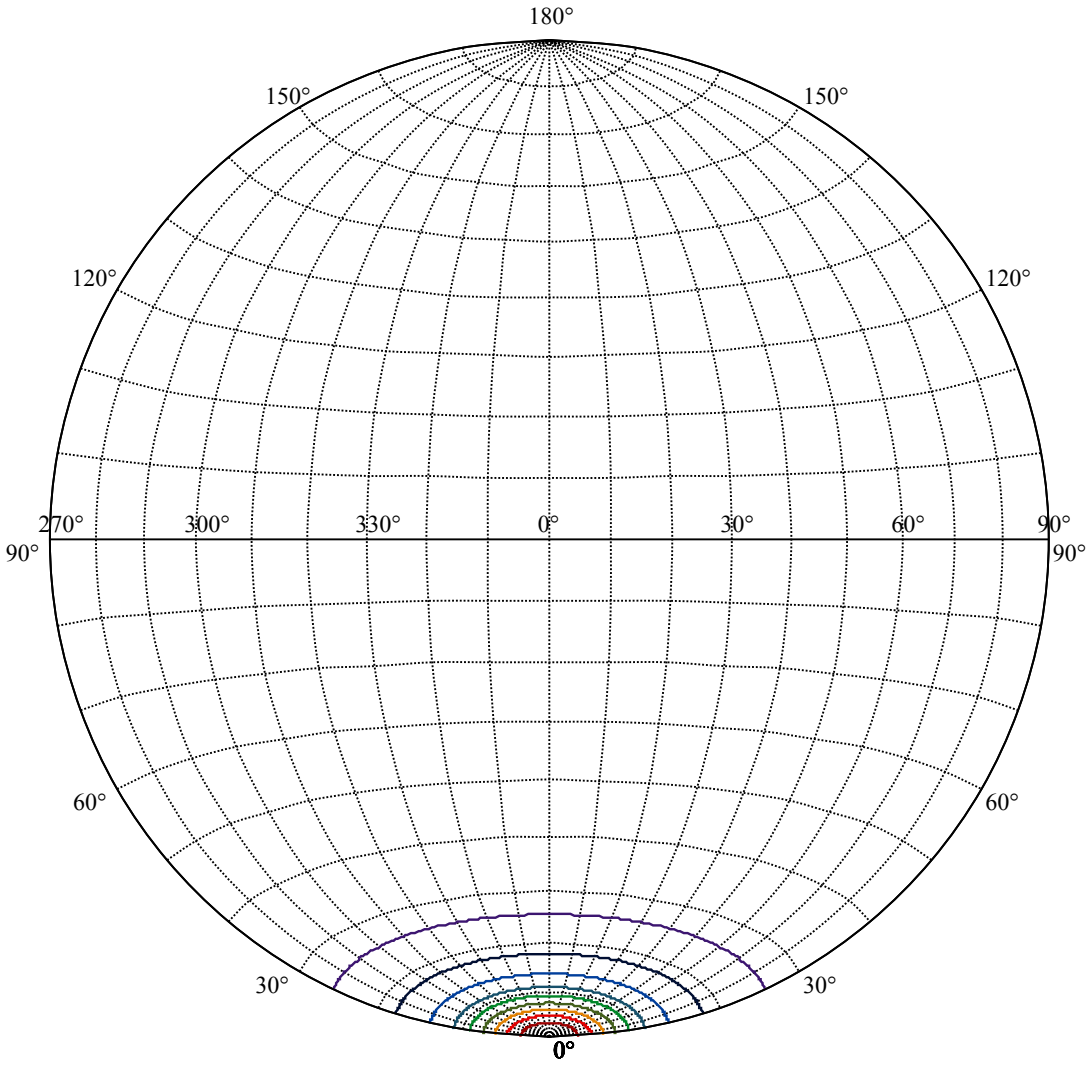
(10%Imax) 680.784
(20%Imax) 1361.57
(30%Imax) 2042.35
(40%Imax) 2723.13
(50%Imax) 3403.92
(60%Imax) 4084.7
(70%Imax) 4765.48
(80%Imax) 5446.27
(90%Imax) 6127.05

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/7/17
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

ISO candela diagram on circular web



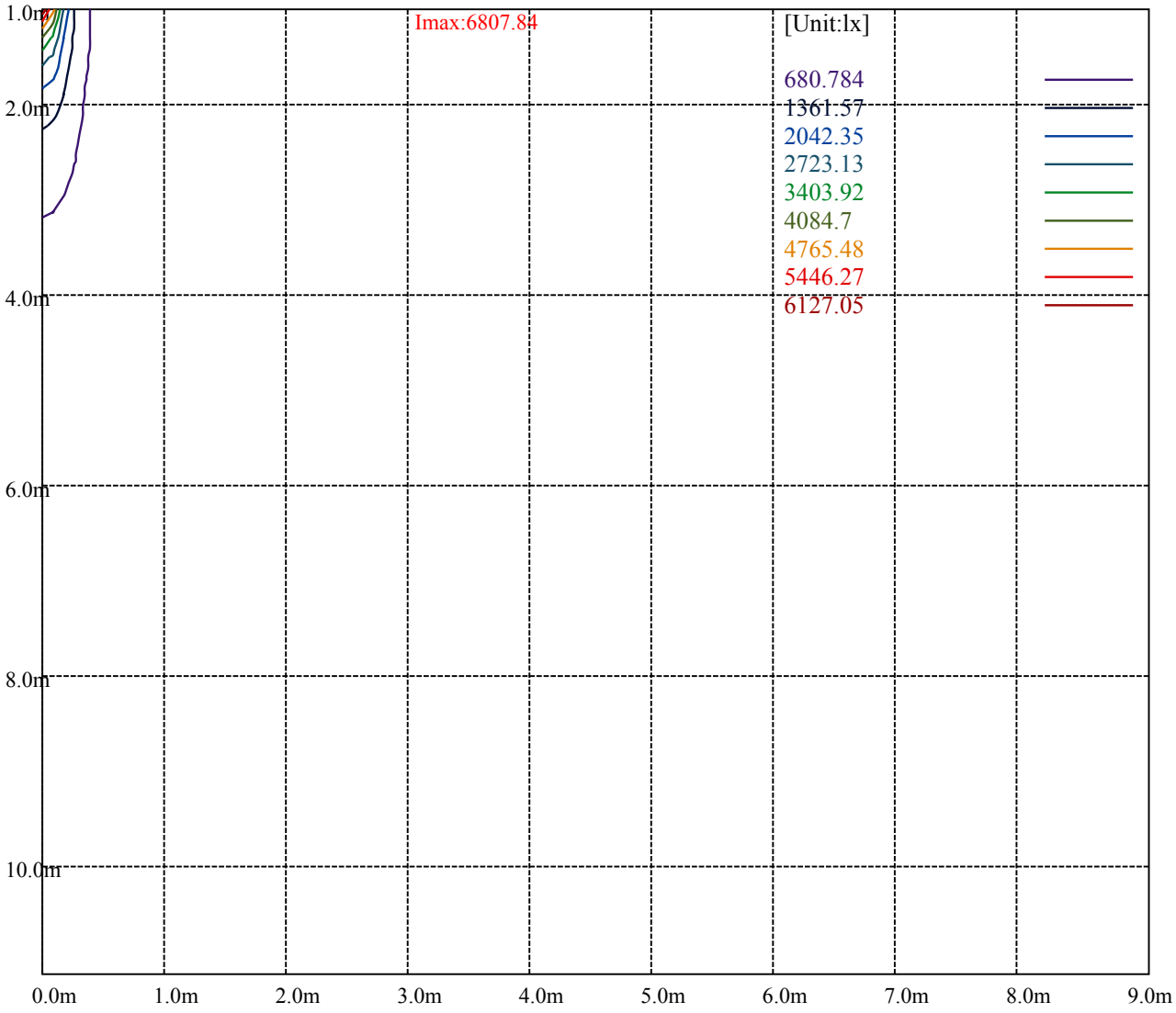
House [Unit:cd] Road

Imax:6807.84

(10%Imax) 680.784
(20%Imax) 1361.57
(30%Imax) 2042.35
(40%Imax) 2723.13
(50%Imax) 3403.92
(60%Imax) 4084.7
(70%Imax) 4765.48
(80%Imax) 5446.27
(90%Imax) 6127.05

Equipment: GMS1980	Date: 2024/7/17	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/7/17
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

NT 1-1298-L

Luminance Limitting Curve(no luminous side)

Luminance Table

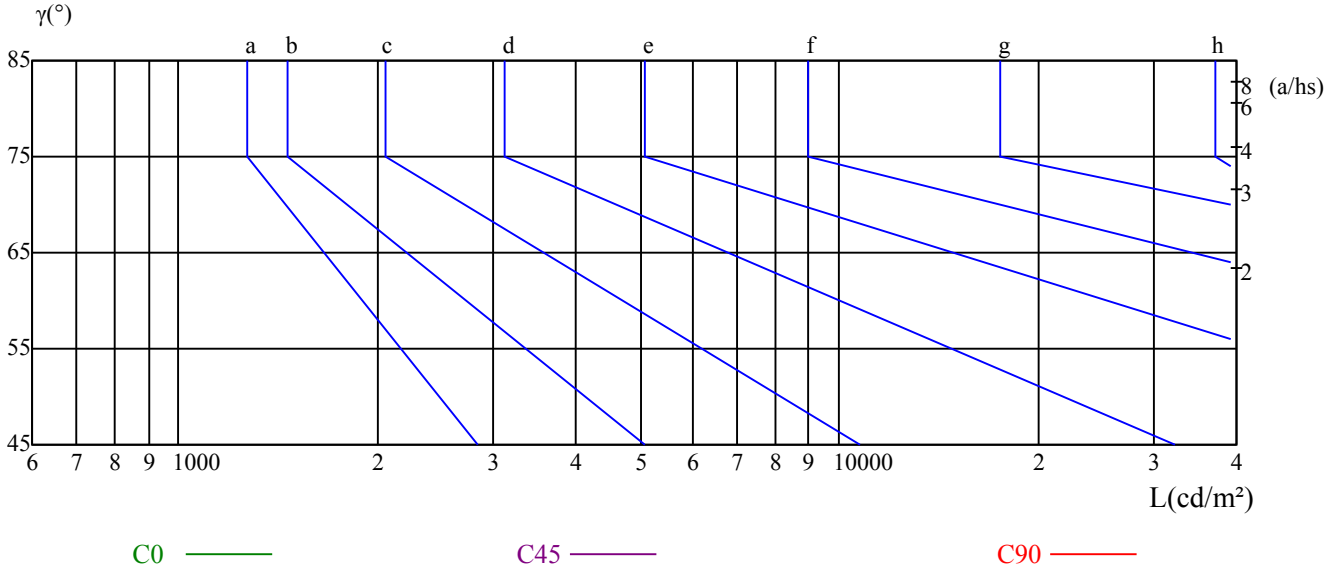
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

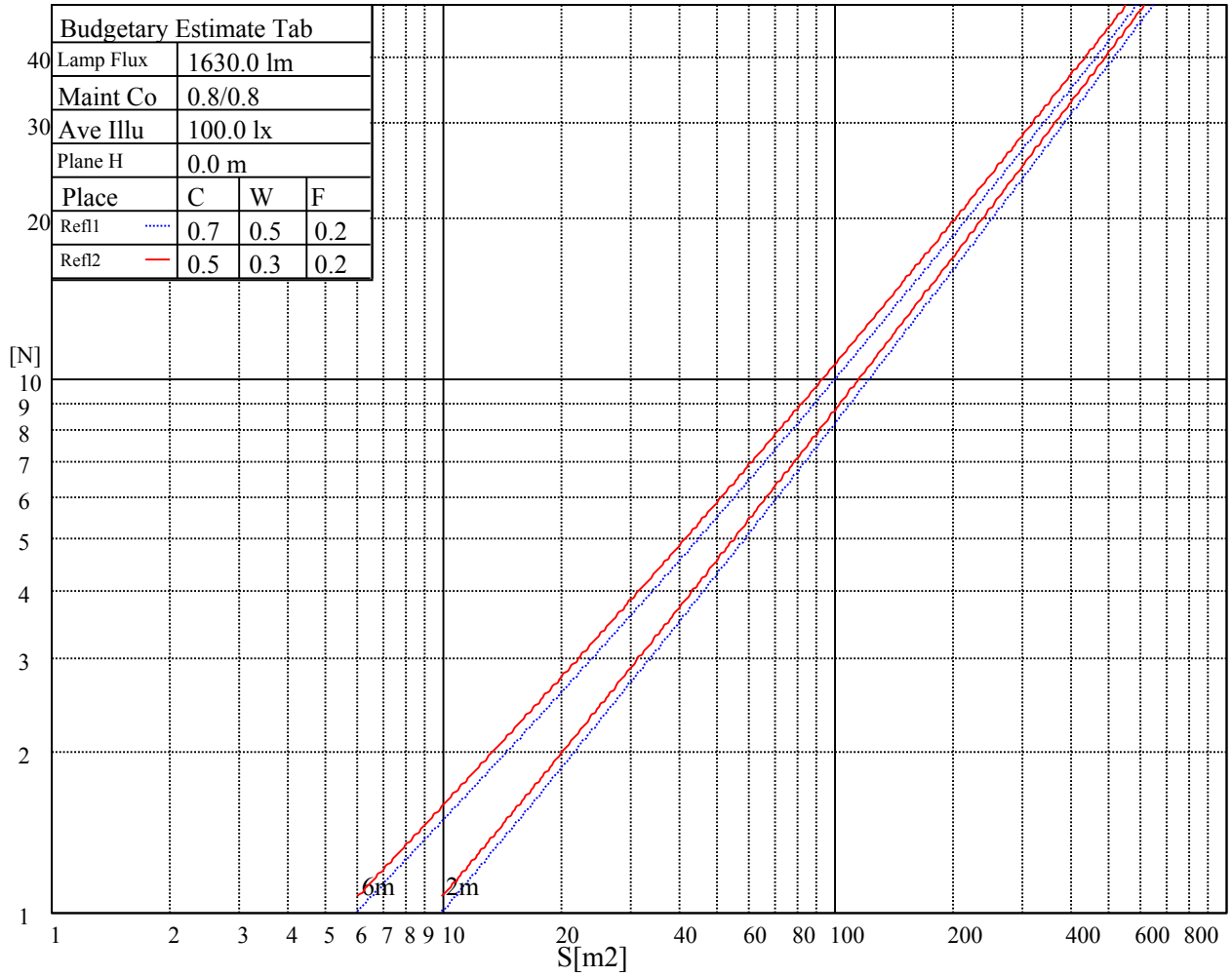
Date: 2024/7/17
Humidity(%): 60.0%

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

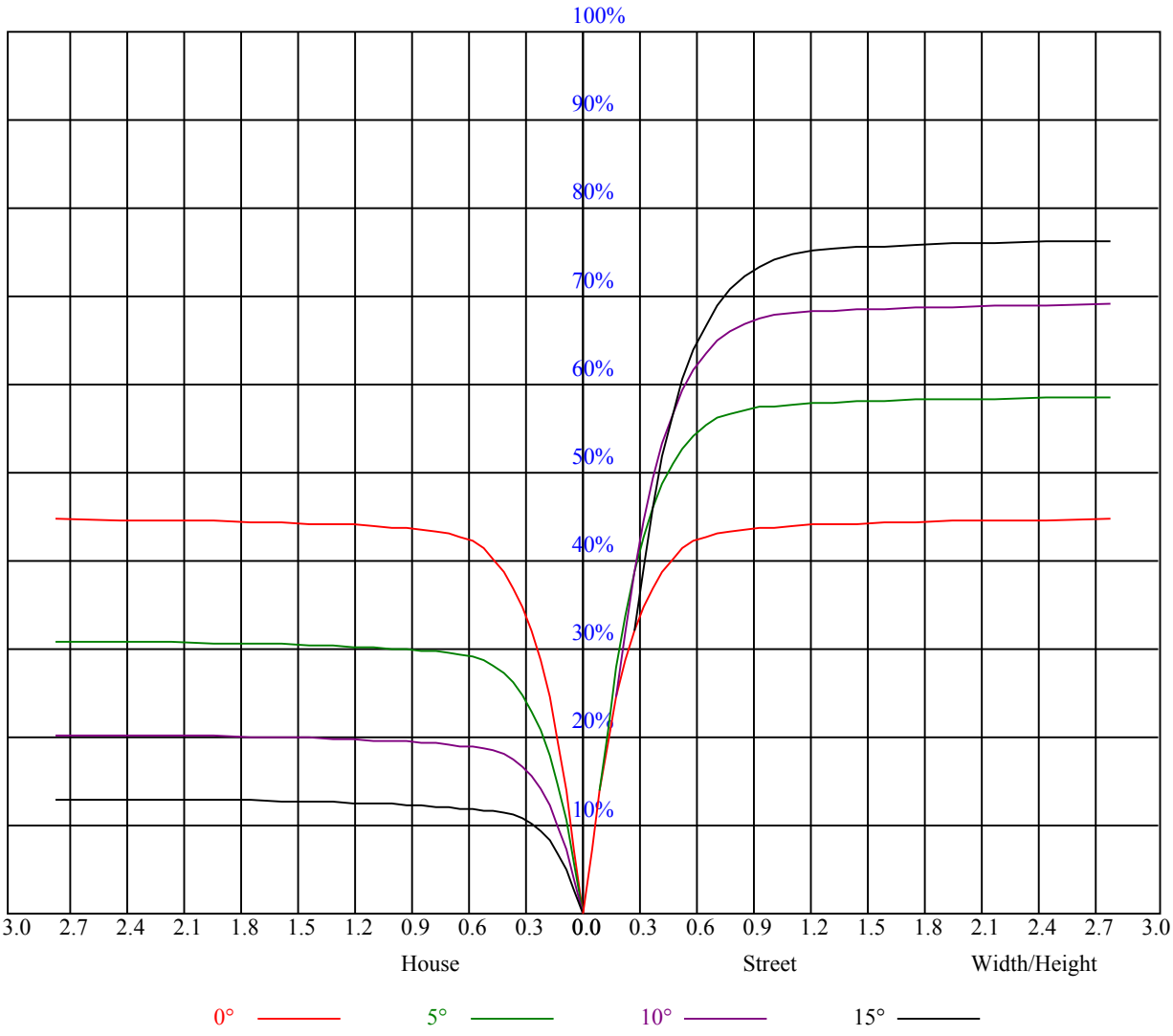


Equipment: GMS1980	Date: 2024/7/17	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65

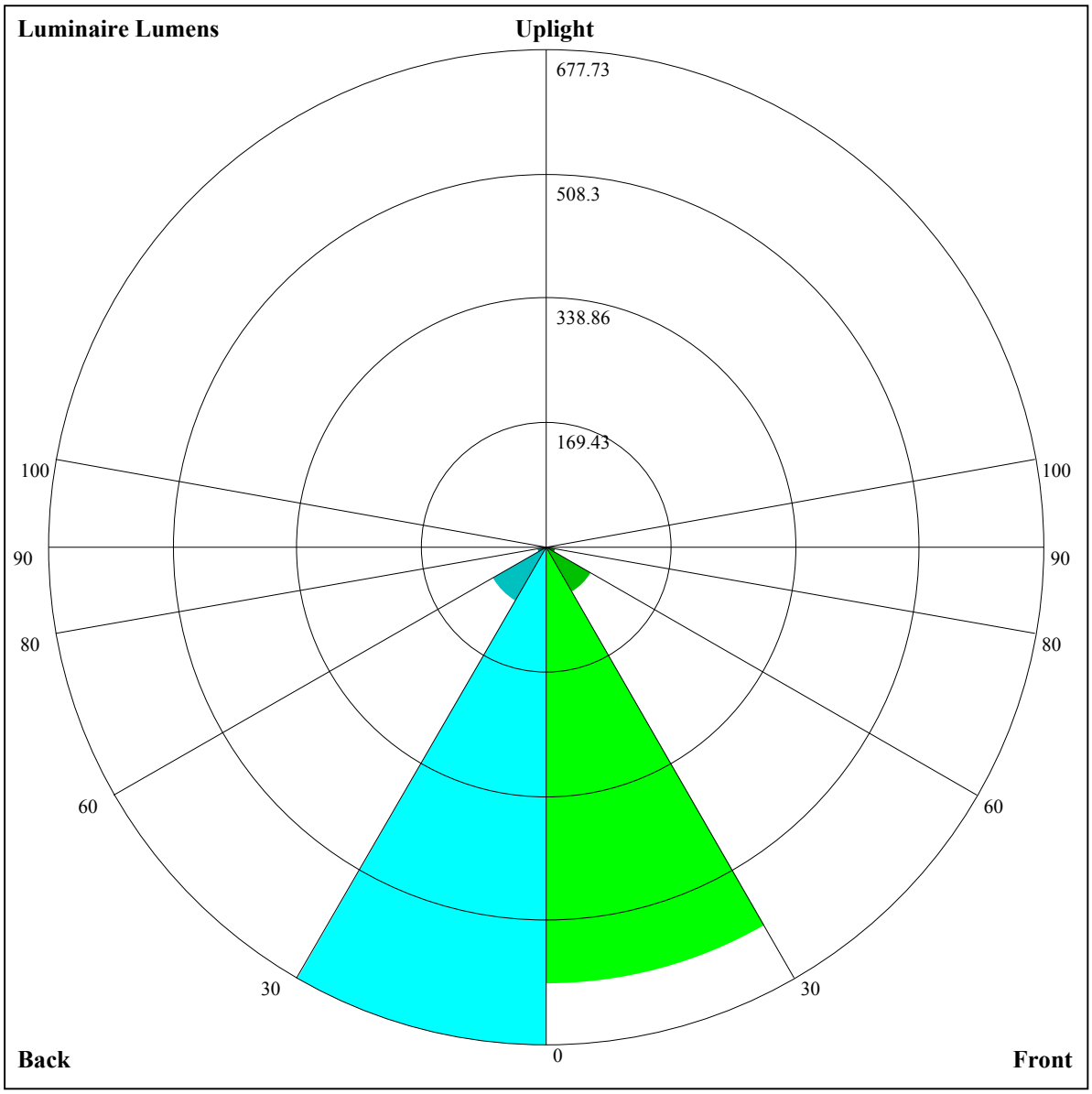
Utilization factor table for indoor luminaire

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	1.07	1.07	1.07	1.05	1.05	1.05	1.00	1.00	1.00	0.96	0.96	0.96	0.92	0.92	0.92	0.90
1	1.01	0.99	0.97	0.99	0.97	0.95	0.95	0.94	0.92	0.92	0.91	0.90	0.89	0.88	0.87	0.86
2	0.95	0.92	0.89	0.94	0.91	0.88	0.91	0.88	0.86	0.88	0.86	0.84	0.86	0.84	0.83	0.81
3	0.90	0.86	0.83	0.89	0.85	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	0.79	0.76	0.80	0.77	0.75	0.74
5	0.82	0.78	0.74	0.81	0.77	0.74	0.80	0.76	0.74	0.78	0.75	0.73	0.77	0.74	0.72	0.71
6	0.79	0.74	0.71	0.78	0.74	0.71	0.77	0.73	0.70	0.75	0.72	0.70	0.74	0.72	0.69	0.68
7	0.75	0.71	0.68	0.75	0.71	0.68	0.74	0.70	0.68	0.73	0.70	0.67	0.72	0.69	0.67	0.66
8	0.73	0.68	0.65	0.72	0.68	0.65	0.71	0.68	0.65	0.70	0.67	0.65	0.70	0.67	0.64	0.63
9	0.70	0.66	0.63	0.70	0.66	0.63	0.69	0.65	0.63	0.68	0.65	0.62	0.68	0.65	0.62	0.61
10	0.68	0.64	0.61	0.67	0.63	0.61	0.67	0.63	0.61	0.66	0.63	0.60	0.66	0.62	0.60	0.59

Coefficient Utilization Curve



Equipment: GMS1980	Date: 2024/7/17	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65



Luminaire Lumens:
FL=595.65,FM=70.66,FH=13.39,FVH=4.01
BL=677.73,BM=85.4,BH=14.09,BVH=4.13
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	6708.49	6415.29	6043.09	5635.19	5061.08	4585.30	4124.14	3692.83	3220.55
45.0	6906.88	6806.23	6599.64	6178.86	5792.03	5229.63	4754.43	4298.54	3760.71
90.0	6839.58	6655.82	6388.96	5954.14	5522.24	5073.96	4502.19	4048.06	3624.36
135.0	6776.38	6891.08	6882.30	6722.54	6461.53	5997.44	5567.30	5095.03	4501.61
180.0	6708.49	6889.33	6937.90	6813.25	6614.86	6212.81	5813.68	5235.48	4757.94
225.0	6906.88	6877.62	6676.89	6399.49	6025.54	5584.86	4961.60	4460.64	3977.25
270.0	6839.58	6846.61	6743.02	6439.29	6099.86	5681.42	5224.36	4608.71	4116.53
315.0	6776.38	6543.46	6215.15	5730.58	5290.49	4810.61	4325.46	3755.45	3333.50
360.0	6708.49	6415.29	6043.09	5635.19	5061.08	4585.30	4124.14	3692.83	3220.55

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	2895.17	2549.88	2318.13	2113.89	1889.75	1735.25	1595.38	1459.02	1164.95
45.0	3363.93	3015.72	2641.76	2386.61	2168.32	1974.61	1762.17	1615.28	1478.34
90.0	3243.96	2822.01	2538.18	2291.21	2078.19	1895.02	1694.28	1547.39	1389.38
135.0	4045.13	3630.79	3160.86	2837.23	2561.59	2323.40	2069.41	1892.09	1735.84
180.0	4275.71	3716.24	3308.92	2958.37	2593.78	2346.81	2136.71	1954.12	1751.64
225.0	3529.55	3052.01	2732.47	2405.92	2188.80	2005.62	1798.45	1655.07	1521.06
270.0	3667.08	3250.40	2889.31	2518.28	2270.73	2061.22	1834.15	1679.65	1504.67
315.0	2967.15	2594.95	2342.13	2073.51	1890.92	1735.84	1592.46	1431.52	1160.50
360.0	2895.17	2549.88	2318.13	2113.89	1889.75	1735.25	1595.38	1459.02	1164.95

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1164.95	1117.02	1030.64	929.28	851.09	778.47	691.74	626.83	563.51
45.0	1359.54	1227.28	1138.91	1049.37	946.37	871.46	780.75	712.86	649.07
90.0	1148.91	1148.91	1058.55	975.75	897.15	806.09	737.27	671.78	609.98
135.0	1599.48	1439.13	1327.35	1225.52	1106.13	1018.94	917.11	840.44	769.04
180.0	1602.99	1463.12	1348.42	1219.08	1130.71	1045.27	939.34	860.92	767.29
225.0	1402.26	1144.47	1144.47	1078.10	997.28	901.66	827.39	756.23	673.30
270.0	1375.34	1257.71	1133.05	1041.76	963.34	886.09	791.87	721.64	659.61
315.0	1160.50	1111.58	1004.83	925.59	850.27	778.47	693.49	627.65	549.99
360.0	1164.95	1117.02	1030.64	929.28	851.09	778.47	691.74	626.83	563.51

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	487.14	427.98	371.56	305.49	258.08	215.60	177.79	135.71	107.62
45.0	585.87	510.96	452.44	396.84	341.83	303.79	303.79	192.48	157.25
90.0	535.07	477.84	421.77	368.75	303.44	256.80	214.84	167.96	135.60
135.0	683.02	615.13	554.85	494.57	421.42	365.24	313.74	301.45	301.45
180.0	694.14	630.35	565.97	485.21	424.35	365.24	311.40	298.52	240.41
225.0	610.45	549.00	471.57	414.11	356.58	291.97	244.86	203.07	165.44
270.0	599.91	526.76	467.07	408.55	337.73	298.52	298.52	188.85	154.67
315.0	490.83	432.72	361.90	309.06	261.13	208.93	172.06	139.63	111.72
360.0	487.14	427.98	371.56	305.49	258.08	215.60	177.79	135.71	107.62

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	85.38	68.71	53.67	45.06	39.15	34.59	32.07	29.55	27.92
45.0	119.68	96.39	78.07	61.45	52.32	44.24	39.97	36.93	34.47
90.0	103.18	83.22	67.77	53.90	46.06	40.26	36.11	32.42	30.20
135.0	171.24	137.64	103.58	82.52	66.66	53.02	45.65	40.50	36.34
180.0	167.43	134.54	101.01	79.82	63.50	49.28	41.84	35.46	32.30
225.0	125.24	99.43	79.18	63.85	50.39	43.31	38.45	34.24	32.01
270.0	124.59	93.87	75.14	61.39	50.97	42.49	37.69	34.53	32.07
315.0	84.57	68.94	57.59	49.57	43.25	39.97	37.92	35.35	33.47
360.0	85.38	68.71	53.67	45.06	39.15	34.59	32.07	29.55	27.92

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	26.57	25.16	24.17	23.29	22.53	21.59	21.07	20.60	20.31
45.0	31.78	30.08	28.56	27.15	25.75	24.87	23.99	23.06	22.47
90.0	28.21	26.69	24.81	23.64	22.71	21.71	21.01	20.25	19.84
135.0	34.06	32.30	30.84	29.44	28.50	27.68	27.10	26.57	26.10
180.0	29.90	27.92	25.93	24.64	23.47	22.47	21.36	20.72	20.07
225.0	29.50	27.86	26.51	24.99	23.99	23.17	22.47	21.77	21.36
270.0	29.26	27.45	25.81	24.11	23.00	21.89	21.13	20.48	19.72
315.0	31.49	30.20	28.91	27.80	26.74	25.98	25.28	24.64	24.11
360.0	26.57	25.16	24.17	23.29	22.53	21.59	21.07	20.60	20.31

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	20.01	19.90	19.72	19.72	19.66	19.31	18.90	18.49	17.79
45.0	22.00	21.59	21.36	21.19	21.07	20.89	20.66	19.96	19.31
90.0	19.55	19.20	19.02	18.96	19.02	19.02	18.79	18.49	18.02
135.0	25.63	25.11	24.64	24.17	23.88	23.64	23.47	23.06	22.41
180.0	19.37	19.14	18.96	18.90	18.90	18.84	18.96	19.02	18.84
225.0	21.01	20.78	20.54	20.42	20.31	20.19	20.07	19.90	19.37
270.0	19.37	19.31	19.14	18.96	18.96	19.08	18.96	18.96	18.67
315.0	23.82	23.41	23.17	22.88	22.77	22.30	21.71	21.07	20.13
360.0	20.01	19.90	19.72	19.72	19.66	19.31	18.90	18.49	17.79

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	16.80	16.09	15.27	14.51	13.75	13.23	12.70	12.29	11.76
45.0	18.38	17.44	16.44	15.51	14.57	13.81	12.99	12.41	11.76
90.0	17.38	16.39	15.68	14.69	13.93	13.28	12.58	12.06	11.65
135.0	21.83	21.24	19.96	18.90	17.85	16.50	15.45	14.57	13.52
180.0	18.43	18.02	17.26	16.39	15.51	14.75	13.99	13.34	12.70
225.0	18.90	18.08	16.97	16.15	15.22	14.28	13.40	12.76	12.17
270.0	18.08	17.56	16.68	15.74	14.98	14.10	13.52	12.87	12.17
315.0	18.67	17.73	16.44	15.33	14.46	13.46	12.76	12.06	11.47
360.0	16.80	16.09	15.27	14.51	13.75	13.23	12.70	12.29	11.76

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	11.41	10.94	10.65	10.30	9.95	9.66	9.36	9.01	8.72
45.0	11.24	10.77	10.36	10.07	9.77	9.48	9.07	8.84	8.60
90.0	11.18	10.77	10.48	10.18	9.83	9.48	9.25	8.95	8.66
135.0	12.76	12.06	11.41	11.00	10.59	10.24	9.95	9.66	9.36
180.0	12.23	11.65	11.29	10.94	10.48	10.12	9.83	9.54	9.25
225.0	11.65	11.06	10.65	10.30	9.89	9.60	9.25	8.95	8.72
270.0	11.70	11.29	10.77	10.36	10.07	9.77	9.42	9.13	8.78
315.0	10.89	10.48	10.18	9.83	9.54	9.19	8.90	8.60	8.37
360.0	11.41	10.94	10.65	10.30	9.95	9.66	9.36	9.01	8.72

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	8.54	8.31	8.02	7.84	7.61	7.02	6.96	6.55	6.55
45.0	8.31	8.08	7.78	7.55	7.37	6.96	6.67	6.50	6.38
90.0	8.37	8.08	7.84	7.67	7.43	6.85	6.61	6.44	6.26
135.0	9.01	8.72	8.49	8.19	7.90	7.49	7.08	6.79	6.61
180.0	8.95	8.66	8.43	8.19	7.96	7.61	7.14	6.91	6.79
225.0	8.37	8.19	7.96	7.67	7.32	6.91	6.67	6.50	6.38
270.0	8.49	8.19	7.96	7.67	7.49	7.02	6.73	6.55	6.38
315.0	8.08	7.84	7.61	7.43	7.02	6.67	6.55	6.38	6.32
360.0	8.54	8.31	8.02	7.84	7.61	7.02	6.96	6.55	6.55

Intensity data(cd)

C/γ(°)	90.0
0.0	6.50
45.0	6.32
90.0	6.32
135.0	6.44
180.0	6.79
225.0	6.32
270.0	6.26
315.0	6.32
360.0	6.50