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NT

Client:
LumCAT: 1-1490-L
Luminaire: 92.70.427.00
Report No: 2024923-B018
Ballast type: AC

Test No: 2024923-C018	Voltage(V): 36.230
LampCAT: CITIZEN CLU028 LES9.8	Current(A): 0.360
Lamp flux(lm): 1715.0	Power (W): 13.042
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 1385.24, Efficiency(%): 80.77% , Luminous Efficacy(lm/W): 106.21
Central intensity(cd): 3607.093, Maximum intensity(cd): 3607.093
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=34.2
[C90/270]Total=34.2
Field angle(10%Imax): [C0/180]Total=59.0
[C90/270]Total=59.0
Maximum s/h(1/2): C0_180=0.57 C90_270=0.57
Maximum s/h(1/4): C0_180=0.56 C90_270=0.56
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 80.77%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 98.074%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	3607.093	0.000	0	0.00%	0.00%
1.0	3602.557	3.450	3.45	0.20%	0.25%
2.0	3586.537	10.318	13.768	0.60%	0.99%
3.0	3549.814	17.068	30.836	1.00%	2.23%
4.0	3501.679	23.604	54.44	1.38%	3.93%
5.0	3433.281	29.834	84.273	1.74%	6.08%
6.0	3360.567	35.703	119.977	2.08%	8.66%
7.0	3271.613	41.166	161.143	2.40%	11.63%
8.0	3169.783	46.100	207.243	2.69%	14.96%
9.0	3050.032	50.408	257.651	2.94%	18.60%
10.0	2917.332	54.002	311.653	3.15%	22.50%
11.0	2786.388	56.992	368.645	3.32%	26.61%
12.0	2635.839	59.273	427.918	3.46%	30.89%
13.0	2468.245	60.573	488.49	3.53%	35.26%
14.0	2319.671	61.285	549.775	3.57%	39.69%
15.0	2157.344	61.462	611.238	3.58%	44.12%
16.0	1996.261	60.862	672.1	3.55%	48.52%
17.0	1814.402	59.342	731.442	3.46%	52.80%
18.0	1659.610	57.279	788.721	3.34%	56.94%
19.0	1455.001	54.188	842.909	3.16%	60.85%
20.0	1303.567	50.489	893.398	2.94%	64.49%
21.0	1211.752	48.299	941.697	2.82%	67.98%
22.0	1088.350	46.222	987.919	2.70%	71.32%
23.0	966.594	43.118	1031.037	2.51%	74.43%
24.0	856.184	39.852	1070.89	2.32%	77.31%
25.0	746.820	36.449	1107.339	2.13%	79.94%
26.0	643.484	32.818	1140.157	1.91%	82.31%
27.0	557.046	29.371	1169.528	1.71%	84.43%
28.0	474.076	26.106	1195.634	1.52%	86.31%
29.0	401.567	22.909	1218.543	1.34%	87.97%
30.0	327.104	19.674	1238.217	1.15%	89.39%
31.0	273.505	16.714	1254.931	0.97%	90.59%
32.0	248.267	14.948	1269.879	0.87%	91.67%
33.0	202.919	13.292	1283.172	0.78%	92.63%
34.0	142.239	10.446	1293.617	0.61%	93.39%
35.0	115.670	8.010	1301.627	0.47%	93.96%
36.0	93.490	6.660	1308.286	0.39%	94.44%
37.0	76.277	5.537	1313.823	0.32%	94.84%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	60.724	4.573	1318.396	0.27%	95.17%
39.0	50.176	3.785	1322.182	0.22%	95.45%
40.0	42.224	3.223	1325.404	0.19%	95.68%
41.0	36.182	2.792	1328.196	0.16%	95.88%
42.0	31.500	2.459	1330.655	0.14%	96.06%
43.0	28.266	2.214	1332.869	0.13%	96.22%
44.0	25.882	2.044	1334.913	0.12%	96.37%
45.0	23.950	1.915	1336.828	0.11%	96.51%
46.0	22.282	1.808	1338.636	0.11%	96.64%
47.0	20.966	1.720	1340.356	0.10%	96.76%
48.0	19.854	1.650	1342.006	0.10%	96.88%
49.0	18.954	1.594	1343.6	0.09%	96.99%
50.0	18.047	1.543	1345.142	0.09%	97.11%
51.0	17.279	1.495	1346.637	0.09%	97.21%
52.0	16.606	1.454	1348.091	0.08%	97.32%
53.0	15.999	1.418	1349.509	0.08%	97.42%
54.0	15.428	1.385	1350.894	0.08%	97.52%
55.0	14.857	1.352	1352.246	0.08%	97.62%
56.0	14.375	1.321	1353.567	0.08%	97.71%
57.0	13.899	1.293	1354.86	0.08%	97.81%
58.0	13.438	1.264	1356.124	0.07%	97.90%
59.0	12.985	1.235	1357.359	0.07%	97.99%
60.0	12.531	1.205	1358.565	0.07%	98.07%
61.0	12.129	1.177	1359.742	0.07%	98.16%
62.0	11.734	1.150	1360.892	0.07%	98.24%
63.0	11.324	1.121	1362.013	0.07%	98.32%
64.0	10.973	1.094	1363.107	0.06%	98.40%
65.0	10.658	1.071	1364.178	0.06%	98.48%
66.0	10.373	1.049	1365.227	0.06%	98.56%
67.0	10.066	1.028	1366.255	0.06%	98.63%
68.0	9.795	1.006	1367.261	0.06%	98.70%
69.0	9.539	0.986	1368.247	0.06%	98.77%
70.0	9.320	0.969	1369.216	0.06%	98.84%
71.0	9.078	0.951	1370.167	0.06%	98.91%
72.0	8.859	0.933	1371.099	0.05%	98.98%
73.0	8.654	0.916	1372.015	0.05%	99.05%
74.0	8.464	0.900	1372.915	0.05%	99.11%
75.0	8.266	0.884	1373.799	0.05%	99.17%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	8.061	0.867	1374.666	0.05%	99.24%
77.0	7.893	0.851	1375.516	0.05%	99.30%
78.0	7.703	0.835	1376.351	0.05%	99.36%
79.0	7.520	0.818	1377.169	0.05%	99.42%
80.0	7.359	0.802	1377.971	0.05%	99.48%
81.0	7.213	0.788	1378.759	0.05%	99.53%
82.0	7.037	0.773	1379.532	0.05%	99.59%
83.0	6.906	0.758	1380.29	0.04%	99.64%
84.0	6.774	0.745	1381.035	0.04%	99.70%
85.0	6.628	0.731	1381.767	0.04%	99.75%
86.0	6.503	0.718	1382.485	0.04%	99.80%
87.0	6.394	0.706	1383.19	0.04%	99.85%
88.0	6.298	0.695	1383.886	0.04%	99.90%
89.0	6.174	0.684	1384.569	0.04%	99.95%
90.0	6.094	0.673	1385.242	0.04%	100.00%

Zonal flux distribution table

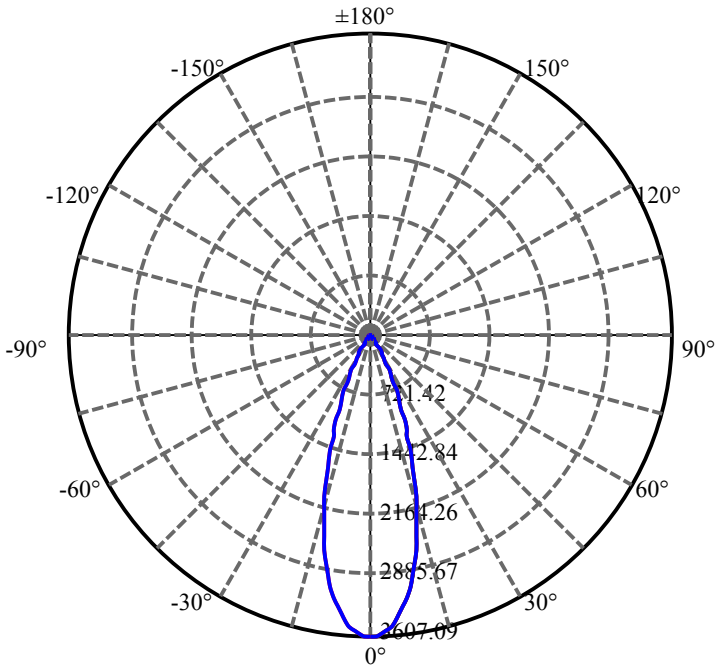
ZONAL LUMEN SUMMARY

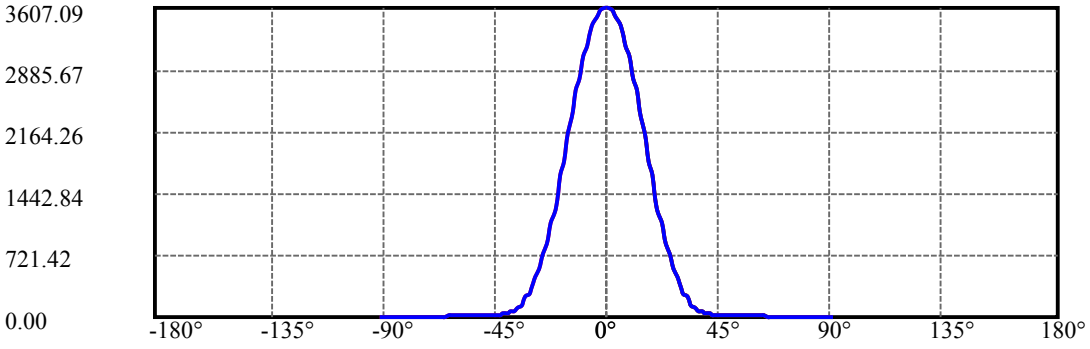
Zone	Lumens	%Lamp	%Fixt
0-30	1238.22	72.20%	89.39%
0-40	1325.40	77.28%	95.68%
0-60	1358.56	79.22%	98.07%
0-90	1384.57	80.73%	99.95%
0-120	1384.57	80.73%	99.95%
0-180	1385.24	80.77%	100.00%
60-90	26.00	1.52%	1.88%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-25.03	1108.19	64.62%	80.00%

ZONAL LUMEN SUMMARY

0-10	311.65
10-20	581.75
20-30	344.82
30-40	87.19
40-50	19.74
50-60	13.42
60-70	10.65
70-80	8.76
80-90	6.60
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):

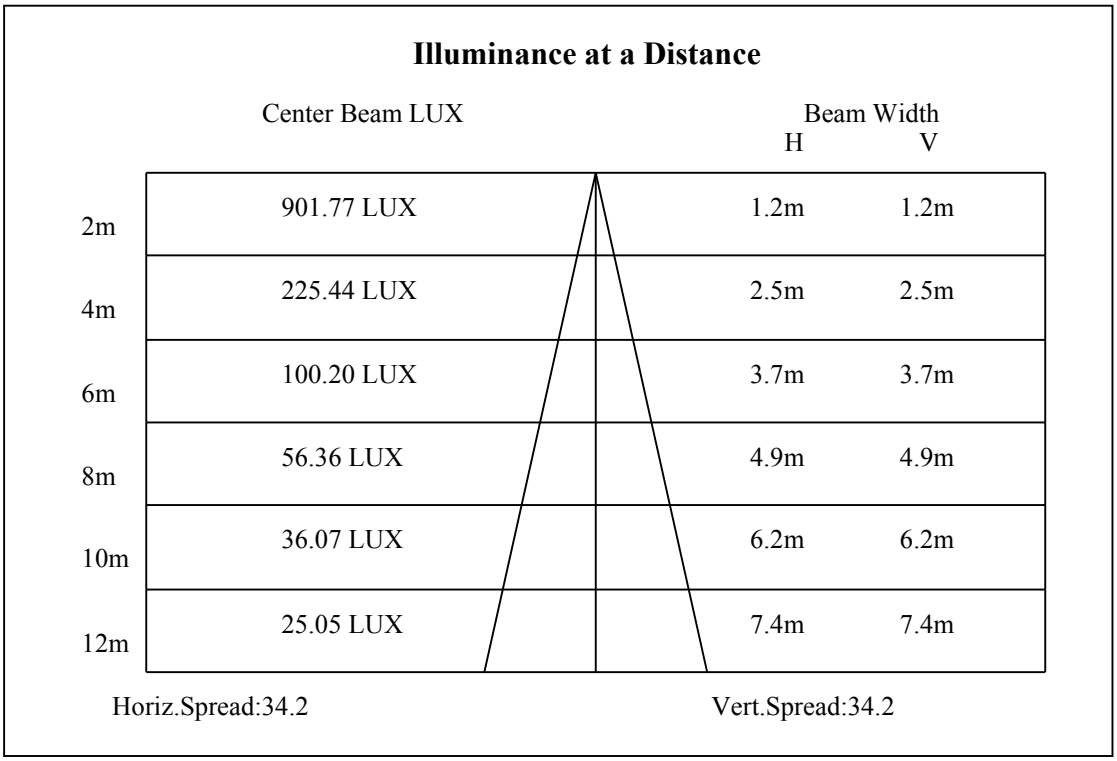
C0/C180:

C90/C270:

Field angle(10%Imax):C0/180Left:29.5 Right:29.5
:C90/270Left:29.5 Right:29.5

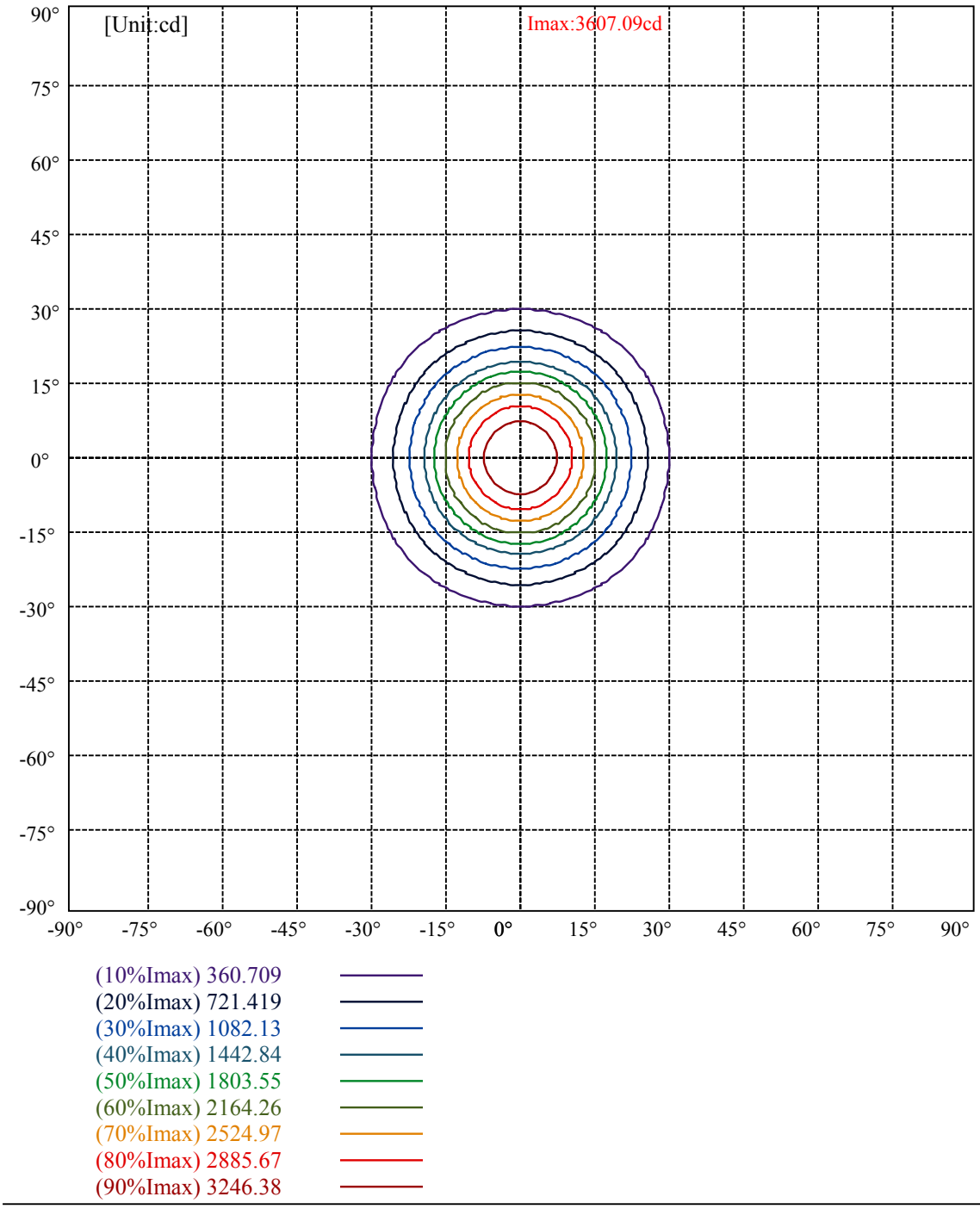
Beam Angle(50%Imax):C0/180Left:17.1 Right:17.1
:C90/270Left:17.1 Right:17.1

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)



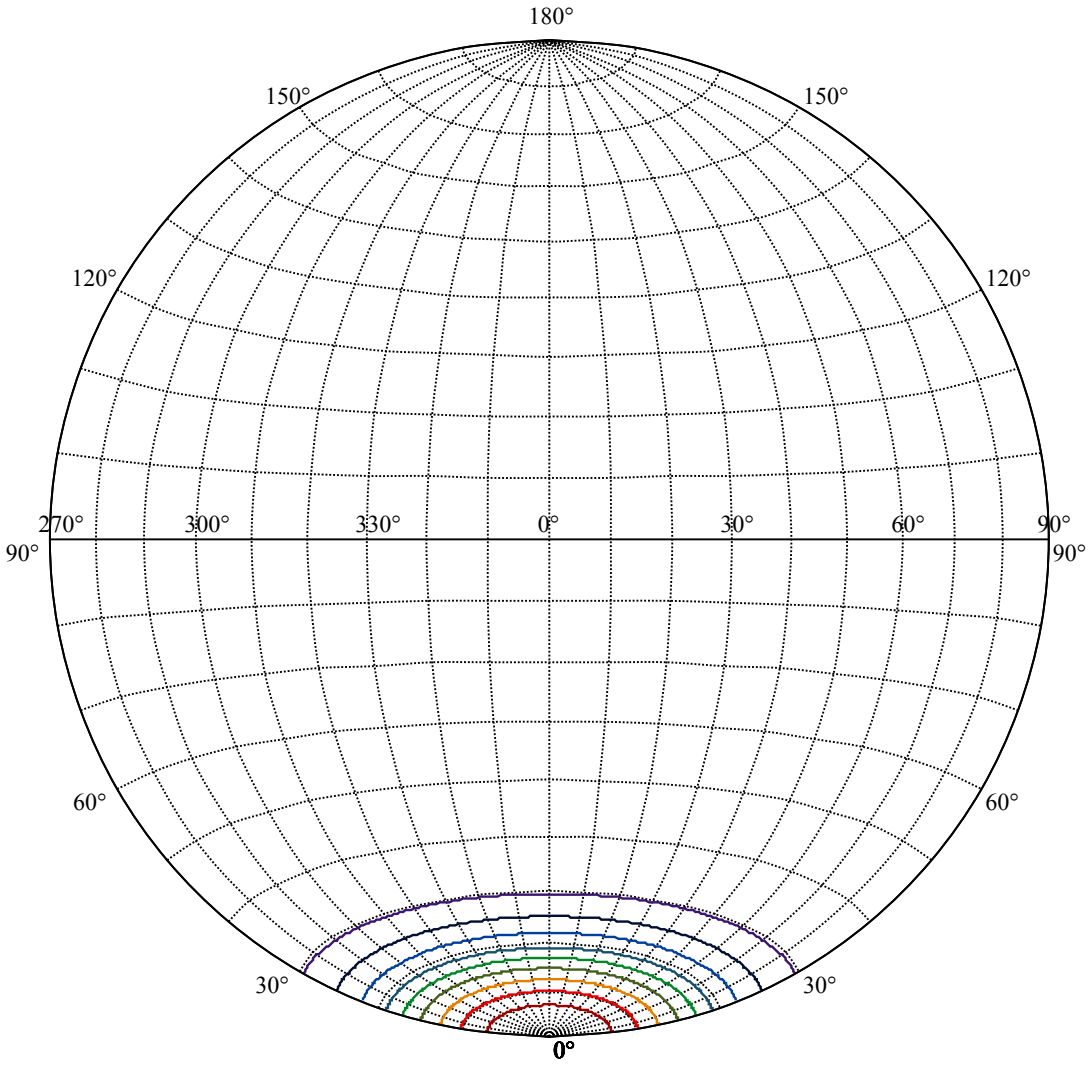
(10%Imax) 360.709
(20%Imax) 721.419
(30%Imax) 1082.13
(40%Imax) 1442.84
(50%Imax) 1803.55
(60%Imax) 2164.26
(70%Imax) 2524.97
(80%Imax) 2885.67
(90%Imax) 3246.38

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



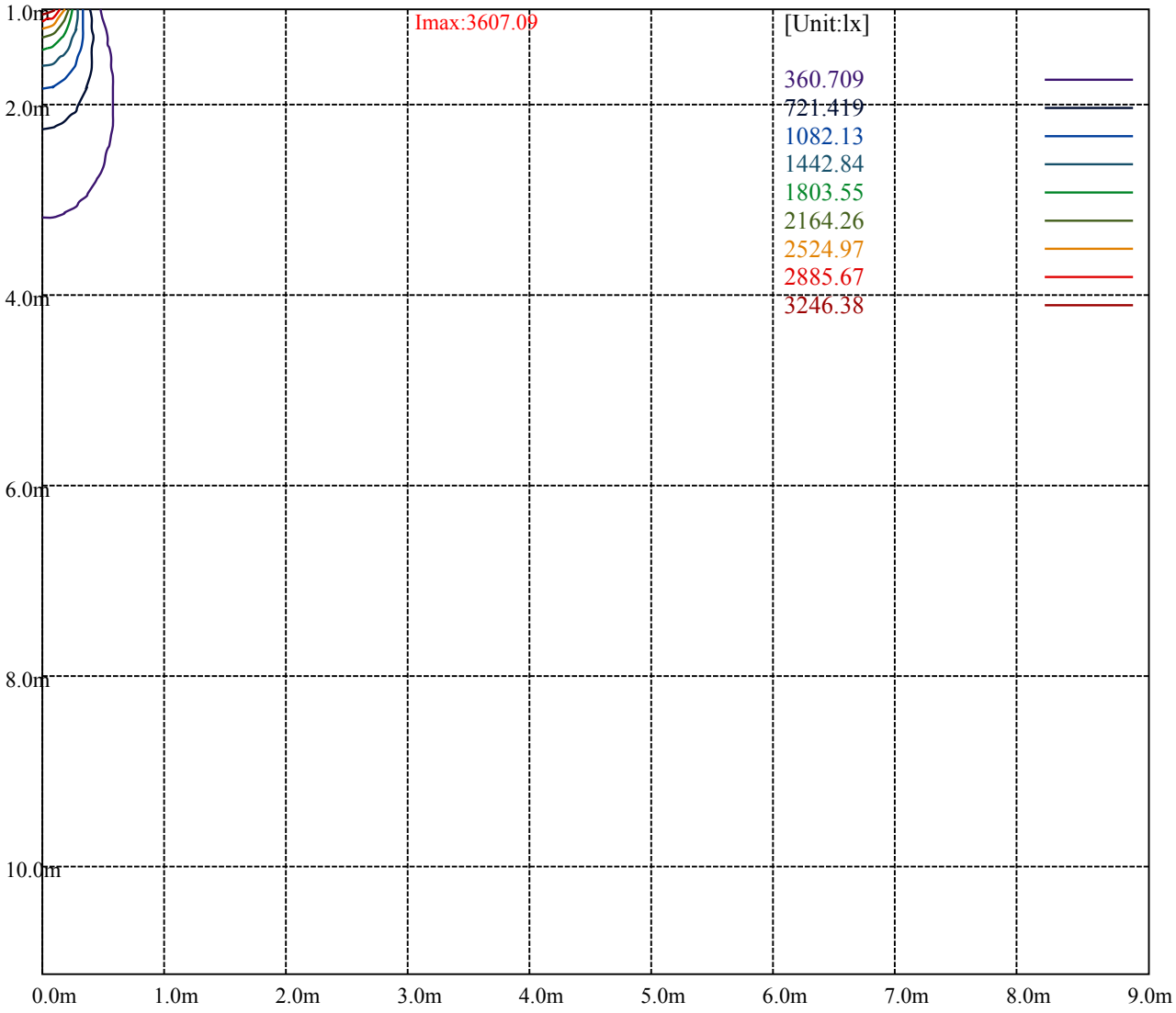
House [Unit:cd] Road

Imax:3607.09

(10%Imax) 360.709
(20%Imax) 721.419
(30%Imax) 1082.13
(40%Imax) 1442.84
(50%Imax) 1803.55
(60%Imax) 2164.26
(70%Imax) 2524.97
(80%Imax) 2885.67
(90%Imax) 3246.38

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 1-1490-L

Luminance Limitting Curve(no luminous side)

Luminance Table

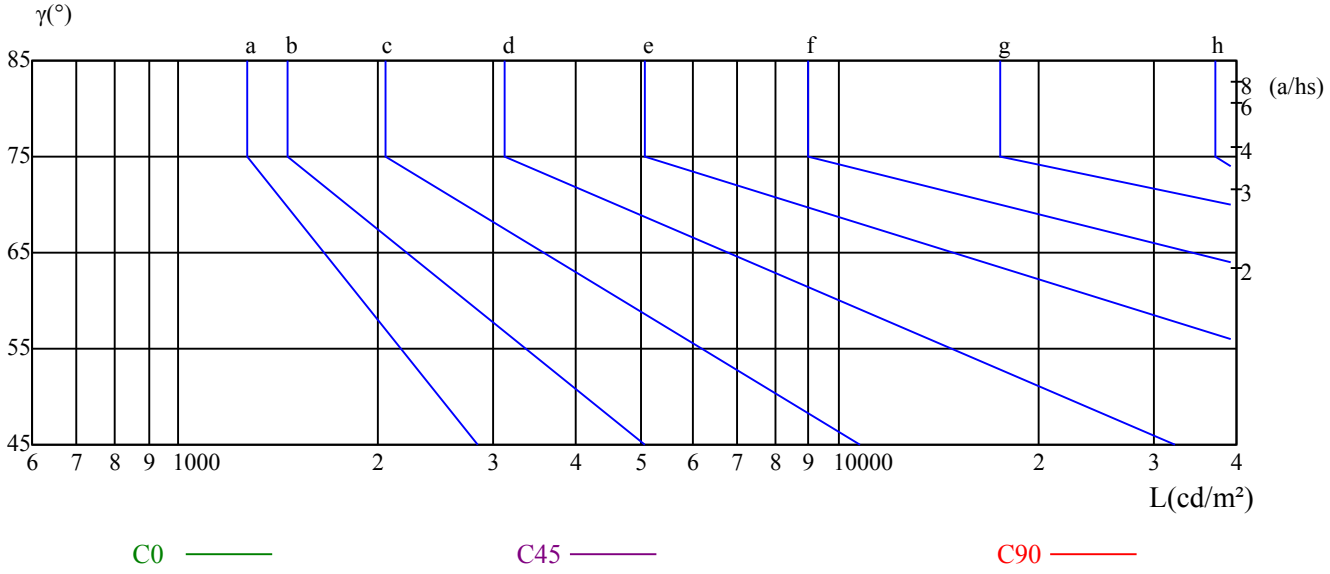
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

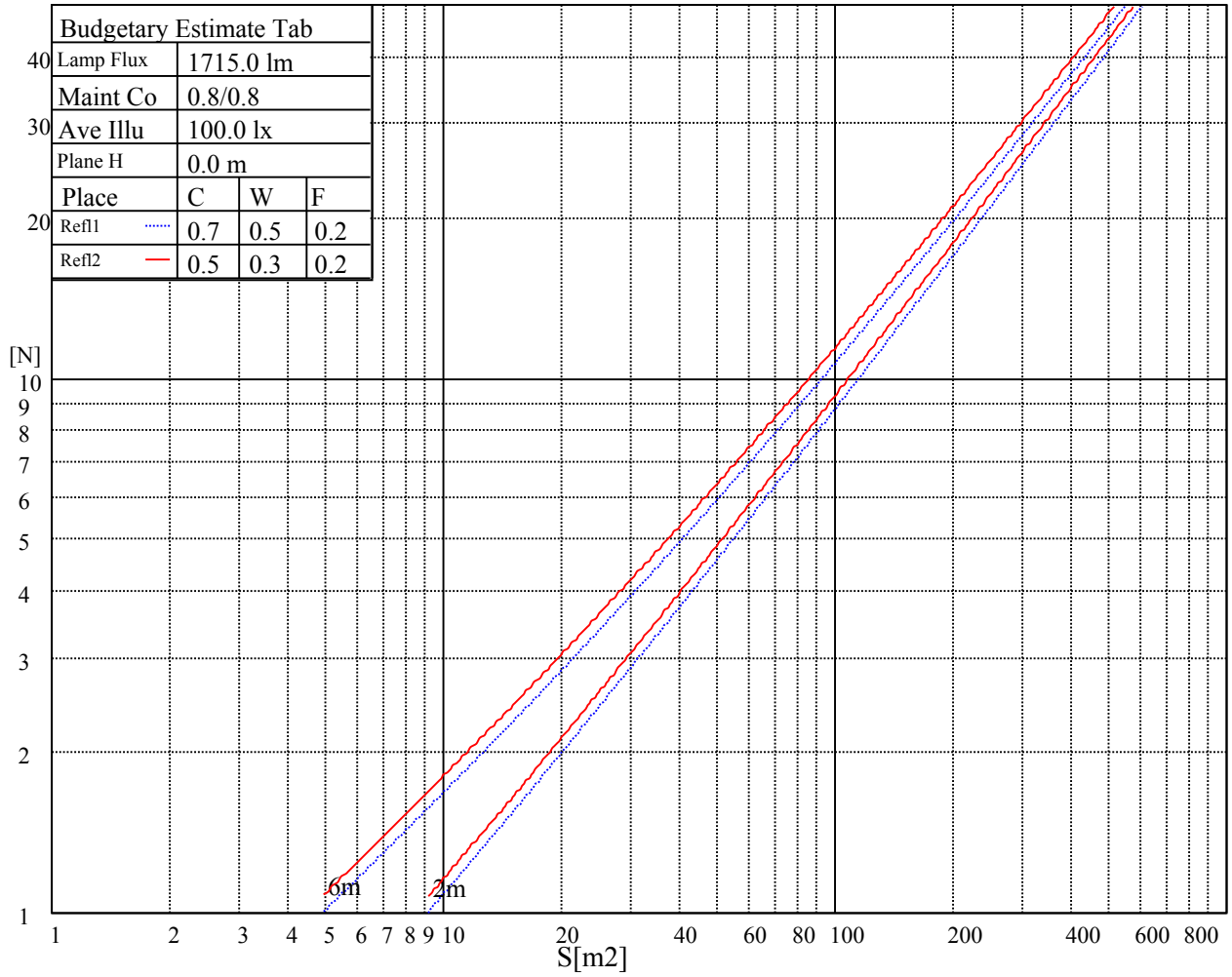
Date: 2024/9/23
Humidity(%): 60.0%

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

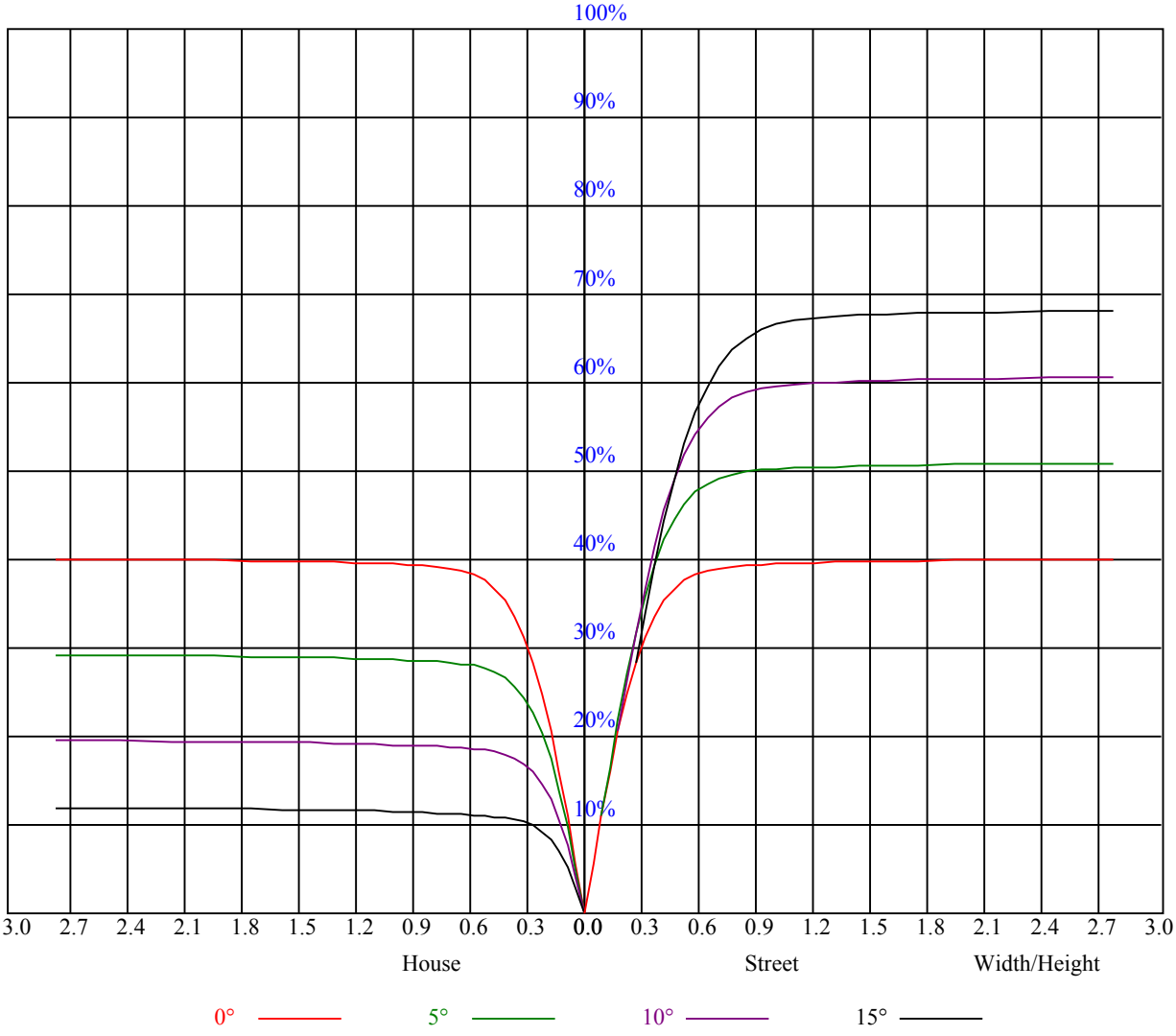


Equipment: GMS1980 Date: 2024/9/23 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

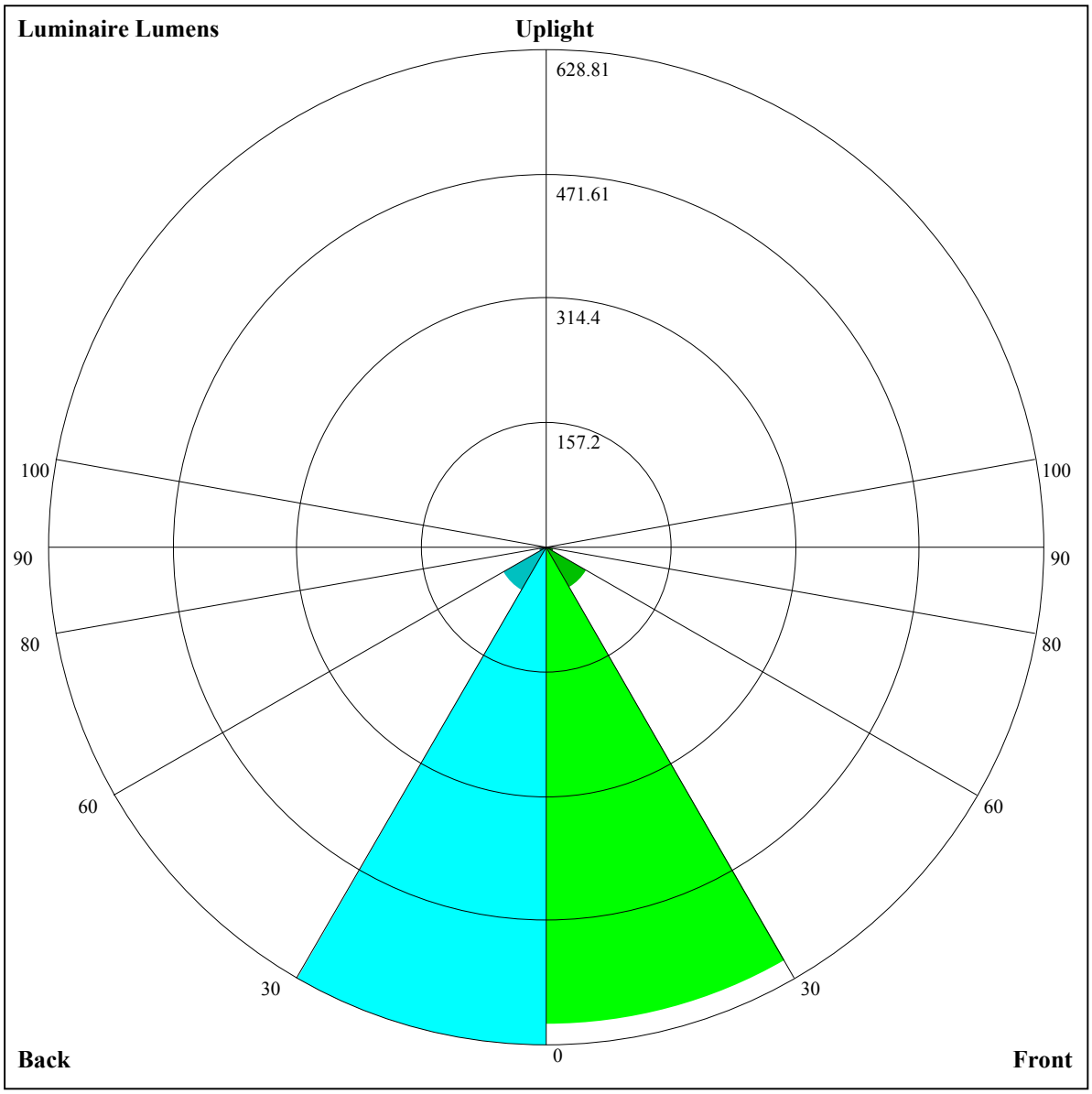
Utilization factor table for indoor luminaire

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	0.96	0.96	0.96	0.94	0.94	0.94	0.90	0.90	0.90	0.86	0.86	0.86	0.82	0.82	0.82	0.81
1	0.90	0.88	0.87	0.88	0.87	0.85	0.85	0.84	0.83	0.82	0.81	0.80	0.79	0.79	0.78	0.77
2	0.85	0.82	0.80	0.84	0.81	0.79	0.81	0.79	0.77	0.79	0.77	0.76	0.77	0.75	0.74	0.73
3	0.81	0.77	0.74	0.79	0.76	0.74	0.77	0.75	0.73	0.75	0.73	0.71	0.74	0.72	0.70	0.69
4	0.77	0.73	0.70	0.76	0.72	0.70	0.74	0.71	0.69	0.72	0.70	0.68	0.71	0.69	0.67	0.66
5	0.73	0.69	0.66	0.72	0.69	0.66	0.71	0.68	0.65	0.70	0.67	0.65	0.69	0.66	0.64	0.63
6	0.70	0.66	0.63	0.69	0.66	0.63	0.68	0.65	0.62	0.67	0.64	0.62	0.66	0.64	0.62	0.61
7	0.67	0.63	0.60	0.66	0.63	0.60	0.65	0.62	0.60	0.65	0.62	0.59	0.64	0.61	0.59	0.58
8	0.64	0.60	0.58	0.64	0.60	0.57	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	0.57	0.55	0.60	0.57	0.55	0.59	0.57	0.55	0.54
10	0.59	0.56	0.53	0.59	0.56	0.53	0.59	0.55	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=604.22,FM=59.14,FH=9.65,FVH=3.62
BL=628.81,BM=62.81,BH=9.76,BVH=3.63
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	3598.61	3585.73	3548.86	3491.51	3430.06	3338.18	3260.93	3166.71	3069.56
45.0	3608.56	3600.95	3599.78	3568.76	3508.48	3454.06	3381.49	3285.51	3200.07
90.0	3610.31	3589.24	3561.15	3520.19	3472.20	3383.24	3311.26	3219.97	3111.11
135.0	3610.90	3620.26	3612.65	3589.83	3555.30	3509.65	3453.47	3375.64	3276.73
180.0	3598.61	3605.04	3612.65	3593.34	3564.08	3511.41	3448.79	3380.90	3284.93
225.0	3608.56	3607.39	3591.00	3554.72	3496.78	3422.45	3350.47	3252.15	3128.67
270.0	3610.31	3616.16	3601.53	3572.86	3535.40	3466.35	3400.22	3310.09	3200.65
315.0	3610.90	3595.68	3564.66	3507.31	3451.13	3380.90	3277.90	3181.93	3086.54
360.0	3598.61	3585.73	3548.86	3491.51	3430.06	3338.18	3260.93	3166.71	3069.56

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	2927.35	2795.68	2658.74	2524.72	2343.30	2201.09	2056.54	1904.38	1720.62
45.0	3105.26	2968.90	2846.01	2704.38	2521.79	2381.92	2229.18	2079.36	1882.14
90.0	3000.51	2844.84	2703.80	2528.82	2380.17	2240.89	2051.86	1893.85	1740.52
135.0	3174.90	3062.54	2939.64	2778.71	2639.42	2458.00	2299.99	2142.57	1951.20
180.0	3155.01	3030.35	2908.63	2748.86	2625.38	2492.53	2305.85	2137.89	1924.86
225.0	3012.21	2848.93	2714.92	2562.17	2365.54	2212.21	2058.29	1904.38	1715.35
270.0	3094.73	2978.85	2858.30	2716.09	2535.25	2384.85	2231.52	2038.40	1895.02
315.0	2930.28	2808.55	2661.08	2522.96	2335.11	2185.87	2025.52	1869.27	1685.51
360.0	2927.35	2795.68	2658.74	2524.72	2343.30	2201.09	2056.54	1904.38	1720.62

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1582.51	1316.23	1157.34	1157.34	1033.62	886.21	775.31	675.47	561.35
45.0	1735.25	1595.38	1461.95	1290.48	1164.07	1043.51	900.72	793.04	666.63
90.0	1550.90	1306.28	1147.80	1147.80	997.75	885.15	783.91	688.63	579.96
135.0	1801.38	1658.59	1509.94	1340.22	1214.40	1093.26	982.07	851.56	751.49
180.0	1761.59	1595.38	1452.00	1286.97	1172.26	1063.41	955.73	837.52	743.88
225.0	1563.19	1317.99	1155.53	1126.38	1012.03	908.91	807.96	699.29	617.00
270.0	1738.76	1545.05	1402.84	1233.71	1116.67	996.11	887.84	767.29	671.31
315.0	1543.30	1305.11	1141.13	1111.11	995.99	856.18	755.94	661.77	556.26
360.0	1582.51	1316.23	1157.34	1157.34	1033.62	886.21	775.31	675.47	561.35

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	478.66	404.16	342.42	274.65	228.76	190.67	151.87	126.47	104.87
45.0	581.19	498.08	424.93	347.10	307.30	307.30	202.78	161.64	134.84
90.0	498.14	422.06	358.16	286.94	238.48	187.62	153.50	125.94	98.67
135.0	661.36	553.10	472.92	382.21	317.25	302.03	302.03	160.70	128.87
180.0	655.51	558.36	481.70	405.62	319.59	305.55	305.55	158.83	126.23
225.0	519.86	445.18	374.37	296.47	243.40	198.10	160.64	122.66	98.90
270.0	585.28	507.45	416.74	348.85	302.62	302.62	186.16	153.15	126.17
315.0	476.37	404.21	341.30	275.00	230.64	192.25	160.82	128.52	106.80
360.0	478.66	404.16	342.42	274.65	228.76	190.67	151.87	126.47	104.87

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	83.51	70.40	59.69	49.28	42.90	37.75	32.60	29.26	26.57
45.0	112.19	93.17	73.68	61.16	49.16	41.84	36.28	31.19	28.15
90.0	81.05	67.36	53.90	45.65	39.39	34.70	30.31	27.74	25.69
135.0	103.53	83.10	63.73	52.38	43.72	37.28	31.54	28.38	25.98
180.0	99.96	79.82	60.69	49.63	41.38	35.52	30.72	28.21	26.22
225.0	80.18	65.25	51.50	43.07	36.93	31.43	28.32	26.10	23.94
270.0	98.90	81.00	64.32	53.55	44.83	36.87	32.30	28.97	26.39
315.0	88.60	70.11	58.29	46.70	39.50	34.06	29.90	26.28	24.11
360.0	83.51	70.40	59.69	49.28	42.90	37.75	32.60	29.26	26.57

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	24.23	22.00	20.66	19.61	18.73	17.73	17.09	16.44	15.74
45.0	25.81	23.64	22.24	20.95	19.90	18.67	17.97	17.21	16.62
90.0	23.99	22.24	21.07	19.84	18.96	18.14	17.32	16.74	16.15
135.0	23.76	22.36	20.83	19.78	18.90	17.97	17.32	16.68	16.09
180.0	24.23	22.94	21.71	20.42	19.49	18.67	17.73	17.03	16.39
225.0	22.53	21.24	19.96	19.02	18.20	17.50	16.68	16.04	15.51
270.0	24.58	22.65	21.42	20.31	19.37	18.32	17.62	16.74	16.15
315.0	22.47	21.19	19.84	18.90	18.08	17.38	16.50	15.98	15.33
360.0	24.23	22.00	20.66	19.61	18.73	17.73	17.09	16.44	15.74

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	15.27	14.63	14.22	13.75	13.28	12.82	12.41	12.06	11.65
45.0	15.92	15.33	14.81	14.22	13.75	13.17	12.76	12.35	11.94
90.0	15.57	14.92	14.46	13.99	13.58	13.11	12.52	12.17	11.65
135.0	15.45	15.04	14.57	14.16	13.64	13.28	12.87	12.35	12.00
180.0	15.80	15.16	14.75	14.22	13.81	13.34	12.93	12.41	12.06
225.0	14.98	14.40	13.93	13.46	12.99	12.64	12.11	11.76	11.41
270.0	15.63	14.98	14.46	13.99	13.52	13.05	12.58	12.17	11.82
315.0	14.81	14.40	13.81	13.40	12.93	12.47	12.06	11.76	11.35
360.0	15.27	14.63	14.22	13.75	13.28	12.82	12.41	12.06	11.65

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	11.24	10.94	10.65	10.30	10.01	9.77	9.48	9.25	9.07
45.0	11.47	11.12	10.83	10.53	10.18	9.89	9.60	9.42	9.13
90.0	11.29	11.00	10.59	10.30	10.01	9.71	9.48	9.25	9.07
135.0	11.65	11.18	10.83	10.59	10.30	10.01	9.77	9.54	9.31
180.0	11.70	11.24	10.94	10.65	10.36	10.07	9.83	9.60	9.36
225.0	10.94	10.65	10.36	10.12	9.83	9.54	9.36	9.19	8.90
270.0	11.35	11.00	10.71	10.36	10.12	9.83	9.54	9.31	9.01
315.0	10.94	10.65	10.36	10.12	9.71	9.54	9.25	9.01	8.78
360.0	11.24	10.94	10.65	10.30	10.01	9.77	9.48	9.25	9.07

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	8.84	8.60	8.37	8.19	8.02	7.84	7.67	7.49	7.37
45.0	8.90	8.66	8.49	8.31	8.08	7.90	7.72	7.61	7.43
90.0	8.78	8.54	8.43	8.19	8.02	7.84	7.61	7.43	7.32
135.0	9.07	8.90	8.72	8.49	8.31	8.13	7.96	7.72	7.55
180.0	9.19	8.95	8.78	8.54	8.37	8.19	7.96	7.78	7.61
225.0	8.72	8.54	8.25	8.13	7.90	7.72	7.55	7.37	7.20
270.0	8.78	8.60	8.43	8.19	8.02	7.84	7.67	7.43	7.26
315.0	8.60	8.43	8.25	8.08	7.78	7.67	7.49	7.32	7.14
360.0	8.84	8.60	8.37	8.19	8.02	7.84	7.67	7.49	7.37

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	7.26	7.08	6.96	6.85	6.73	6.61	6.50	6.44	6.26
45.0	7.26	7.08	6.96	6.79	6.67	6.55	6.44	6.38	6.26
90.0	7.14	6.96	6.85	6.67	6.55	6.38	6.32	6.20	6.14
135.0	7.37	7.20	7.02	6.91	6.73	6.55	6.44	6.32	6.20
180.0	7.43	7.26	7.08	6.96	6.79	6.67	6.55	6.44	6.26
225.0	7.08	6.91	6.79	6.67	6.50	6.44	6.32	6.20	6.09
270.0	7.14	6.91	6.79	6.67	6.50	6.38	6.26	6.14	6.09
315.0	7.02	6.91	6.79	6.67	6.55	6.44	6.32	6.26	6.09
360.0	7.26	7.08	6.96	6.85	6.73	6.61	6.50	6.44	6.26

Intensity data(cd)

C/γ(°)	90.0
0.0	6.14
45.0	6.14
90.0	6.09
135.0	6.09
180.0	6.14
225.0	6.09
270.0	6.03
315.0	6.03
360.0	6.14