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NT

Client:
LumCAT: 1-1282-L
Luminaire: 92.70.427.00
Report No: 2024722-B007
Ballast type: AC

Test No: 2024722-C007	Voltage(V): 33.990
LampCAT: LUMINUS CXM-9-AC40	Current(A): 0.360
Lamp flux(lm): 1687.0	Power (W): 12.236
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 1528.46, Efficiency(%): 90.60% , Luminous Efficacy(lm/W): 124.92
Central intensity(cd): 6411.492, Maximum intensity(cd): 6411.492
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=21.8
[C90/270]Total=21.8
Field angle(10%Imax): [C0/180]Total=52.2
[C90/270]Total=52.2
Maximum s/h(1/2): C0_180=0.37 C90_270=0.37
Maximum s/h(1/4): C0_180=0.40 C90_270=0.40
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 90.60%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 97.938%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	6411.491	0.000	0	0.00%	0.00%
1.0	6379.230	6.120	6.12	0.36%	0.40%
2.0	6277.548	18.166	24.286	1.08%	1.59%
3.0	6116.757	29.643	53.929	1.76%	3.53%
4.0	5872.938	40.133	94.063	2.38%	6.15%
5.0	5580.398	49.272	143.334	2.92%	9.38%
6.0	5232.043	56.822	200.157	3.37%	13.10%
7.0	4826.263	62.432	262.588	3.70%	17.18%
8.0	4418.434	66.163	328.751	3.92%	21.51%
9.0	3989.757	68.144	396.895	4.04%	25.97%
10.0	3556.544	68.291	465.186	4.05%	30.43%
11.0	3159.908	67.111	532.297	3.98%	34.83%
12.0	2797.507	65.123	597.42	3.86%	39.09%
13.0	2467.733	62.485	659.905	3.70%	43.17%
14.0	2179.875	59.489	719.394	3.53%	47.07%
15.0	1945.712	56.638	776.032	3.36%	50.77%
16.0	1742.127	54.037	830.069	3.20%	54.31%
17.0	1565.462	51.508	881.578	3.05%	57.68%
18.0	1357.225	48.189	929.766	2.86%	60.83%
19.0	1256.310	45.470	975.236	2.70%	63.81%
20.0	1170.413	44.416	1019.652	2.63%	66.71%
21.0	1073.646	43.090	1062.743	2.55%	69.53%
22.0	979.389	41.257	1103.999	2.45%	72.23%
23.0	891.232	39.251	1143.25	2.33%	74.80%
24.0	803.850	37.061	1180.311	2.20%	77.22%
25.0	725.335	34.770	1215.081	2.06%	79.50%
26.0	649.739	32.459	1247.54	1.92%	81.62%
27.0	569.263	29.823	1277.363	1.77%	83.57%
28.0	495.195	26.950	1304.313	1.60%	85.33%
29.0	426.271	24.108	1328.421	1.43%	86.91%
30.0	362.101	21.286	1349.707	1.26%	88.30%
31.0	308.231	18.654	1368.361	1.11%	89.53%
32.0	266.387	16.462	1384.823	0.98%	90.60%
33.0	231.830	14.678	1399.501	0.87%	91.56%
34.0	197.360	12.989	1412.489	0.77%	92.41%
35.0	151.690	10.840	1423.33	0.64%	93.12%
36.0	126.950	8.872	1432.202	0.53%	93.70%
37.0	105.414	7.578	1439.78	0.45%	94.20%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	88.647	6.477	1446.257	0.38%	94.62%
39.0	74.316	5.562	1451.82	0.33%	94.99%
40.0	62.173	4.760	1456.58	0.28%	95.30%
41.0	52.678	4.090	1460.67	0.24%	95.56%
42.0	44.887	3.545	1464.214	0.21%	95.80%
43.0	38.727	3.097	1467.312	0.18%	96.00%
44.0	33.863	2.740	1470.052	0.16%	96.18%
45.0	30.227	2.463	1472.515	0.15%	96.34%
46.0	27.125	2.243	1474.757	0.13%	96.49%
47.0	24.660	2.060	1476.817	0.12%	96.62%
48.0	22.736	1.916	1478.733	0.11%	96.75%
49.0	21.222	1.805	1480.538	0.11%	96.86%
50.0	19.934	1.716	1482.254	0.10%	96.98%
51.0	18.844	1.641	1483.895	0.10%	97.08%
52.0	17.988	1.581	1485.475	0.09%	97.19%
53.0	17.228	1.532	1487.007	0.09%	97.29%
54.0	16.606	1.491	1488.498	0.09%	97.39%
55.0	16.094	1.460	1489.958	0.09%	97.48%
56.0	15.640	1.434	1491.392	0.09%	97.57%
57.0	15.252	1.412	1492.805	0.08%	97.67%
58.0	14.916	1.395	1494.2	0.08%	97.76%
59.0	14.572	1.379	1495.578	0.08%	97.85%
60.0	14.301	1.364	1496.942	0.08%	97.94%
61.0	14.038	1.352	1498.295	0.08%	98.03%
62.0	13.833	1.343	1499.638	0.08%	98.11%
63.0	13.563	1.332	1500.97	0.08%	98.20%
64.0	13.314	1.319	1502.289	0.08%	98.29%
65.0	13.021	1.303	1503.592	0.08%	98.37%
66.0	12.707	1.284	1504.876	0.08%	98.46%
67.0	12.334	1.259	1506.135	0.07%	98.54%
68.0	11.961	1.231	1507.366	0.07%	98.62%
69.0	11.580	1.201	1508.567	0.07%	98.70%
70.0	11.207	1.170	1509.737	0.07%	98.77%
71.0	10.812	1.138	1510.875	0.07%	98.85%
72.0	10.497	1.108	1511.983	0.07%	98.92%
73.0	10.205	1.083	1513.066	0.06%	98.99%
74.0	9.927	1.058	1514.124	0.06%	99.06%
75.0	9.664	1.035	1515.159	0.06%	99.13%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	9.422	1.013	1516.172	0.06%	99.20%
77.0	9.181	0.992	1517.164	0.06%	99.26%
78.0	8.983	0.972	1518.136	0.06%	99.32%
79.0	8.786	0.955	1519.091	0.06%	99.39%
80.0	8.595	0.937	1520.028	0.06%	99.45%
81.0	8.420	0.920	1520.948	0.05%	99.51%
82.0	8.230	0.903	1521.851	0.05%	99.57%
83.0	8.047	0.885	1522.736	0.05%	99.63%
84.0	7.871	0.867	1523.603	0.05%	99.68%
85.0	7.718	0.851	1524.454	0.05%	99.74%
86.0	7.520	0.833	1525.287	0.05%	99.79%
87.0	7.403	0.817	1526.104	0.05%	99.85%
88.0	7.235	0.802	1526.905	0.05%	99.90%
89.0	7.103	0.786	1527.691	0.05%	99.95%
90.0	6.979	0.772	1528.463	0.05%	100.00%

Zonal flux distribution table

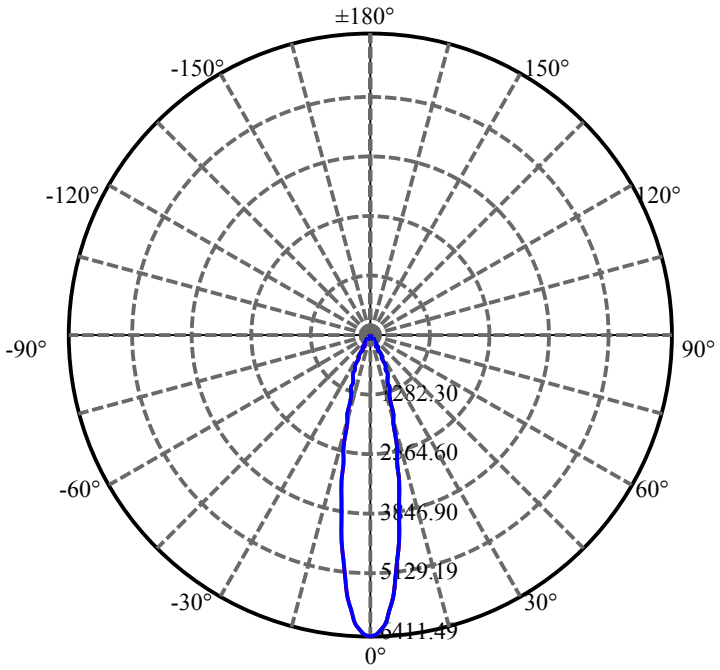
ZONAL LUMEN SUMMARY

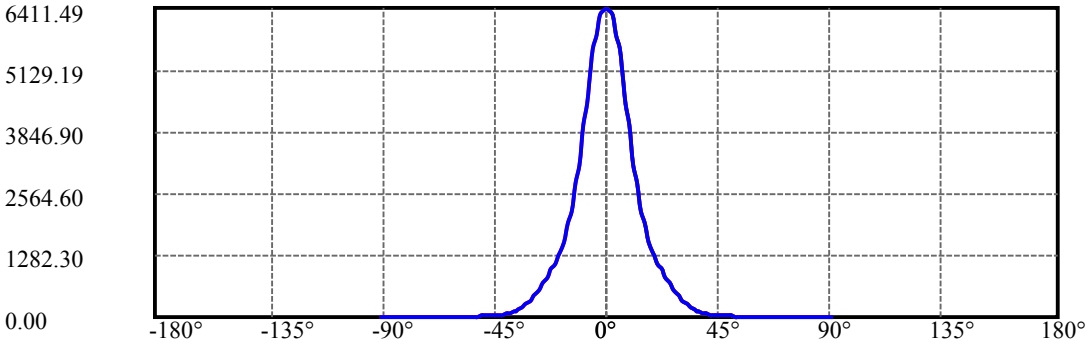
Zone	Lumens	%Lamp	%Fixt
0-30	1349.71	80.01%	88.30%
0-40	1456.58	86.34%	95.30%
0-60	1496.94	88.73%	97.94%
0-90	1527.69	90.56%	99.95%
0-120	1527.69	90.56%	99.95%
0-180	1528.46	90.60%	100.00%
60-90	30.75	1.82%	2.01%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-25.24	1222.77	72.48%	80.00%

ZONAL LUMEN SUMMARY

0-10	465.19
10-20	554.47
20-30	330.05
30-40	106.87
40-50	25.67
50-60	14.69
60-70	12.79
70-80	10.29
80-90	7.66
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):

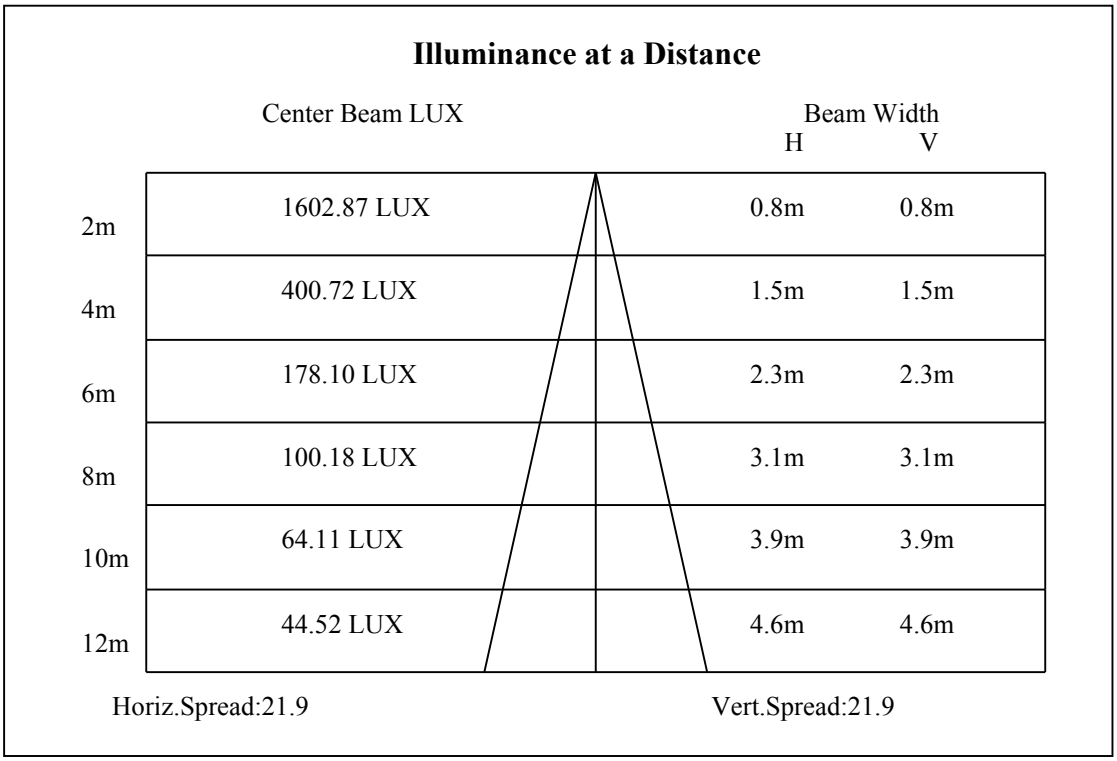
C0/C180:

C90/C270:

Field angle(10%Imax):C0/180Left:26.1 Right:26.1
:C90/270Left:26.1 Right:26.1

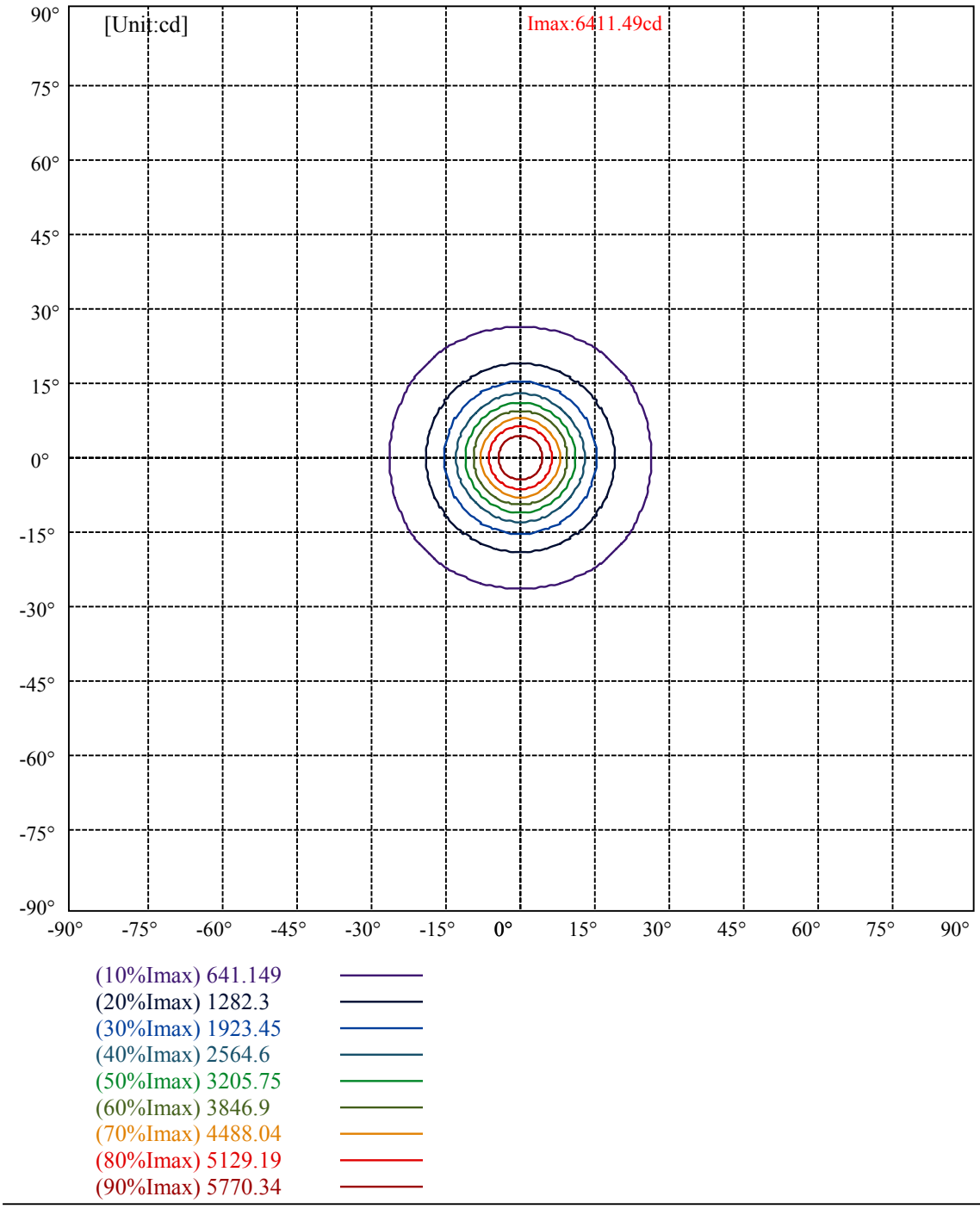
Beam Angle(50%Imax):C0/180Left:10.9 Right:10.9
:C90/270Left:10.9 Right:10.9

Lux distance Curve



Equipment: GMS1980 Date: 2024/7/22 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

ISO-Intensity(V-H)

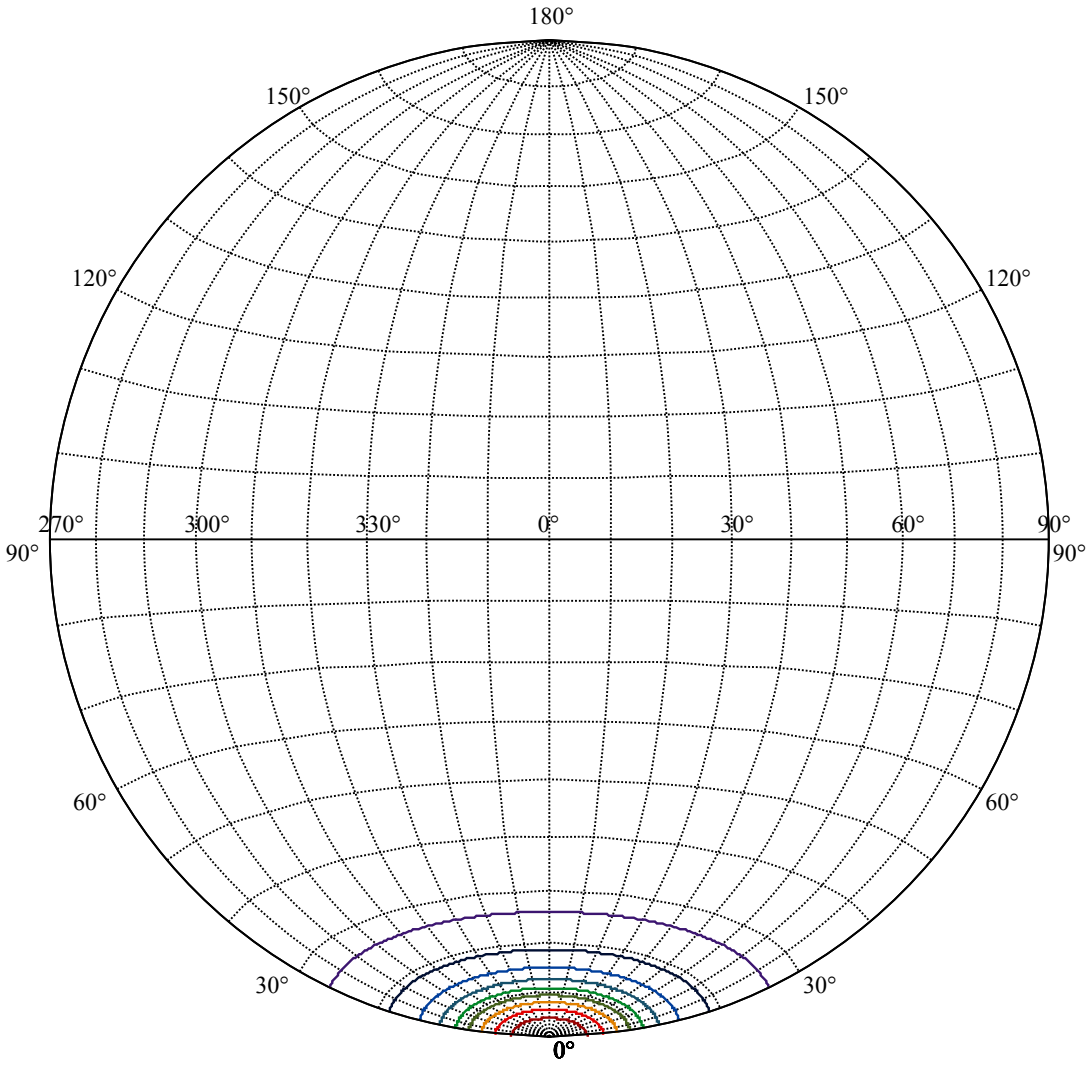


Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/7/22
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

ISO candela diagram on circular web



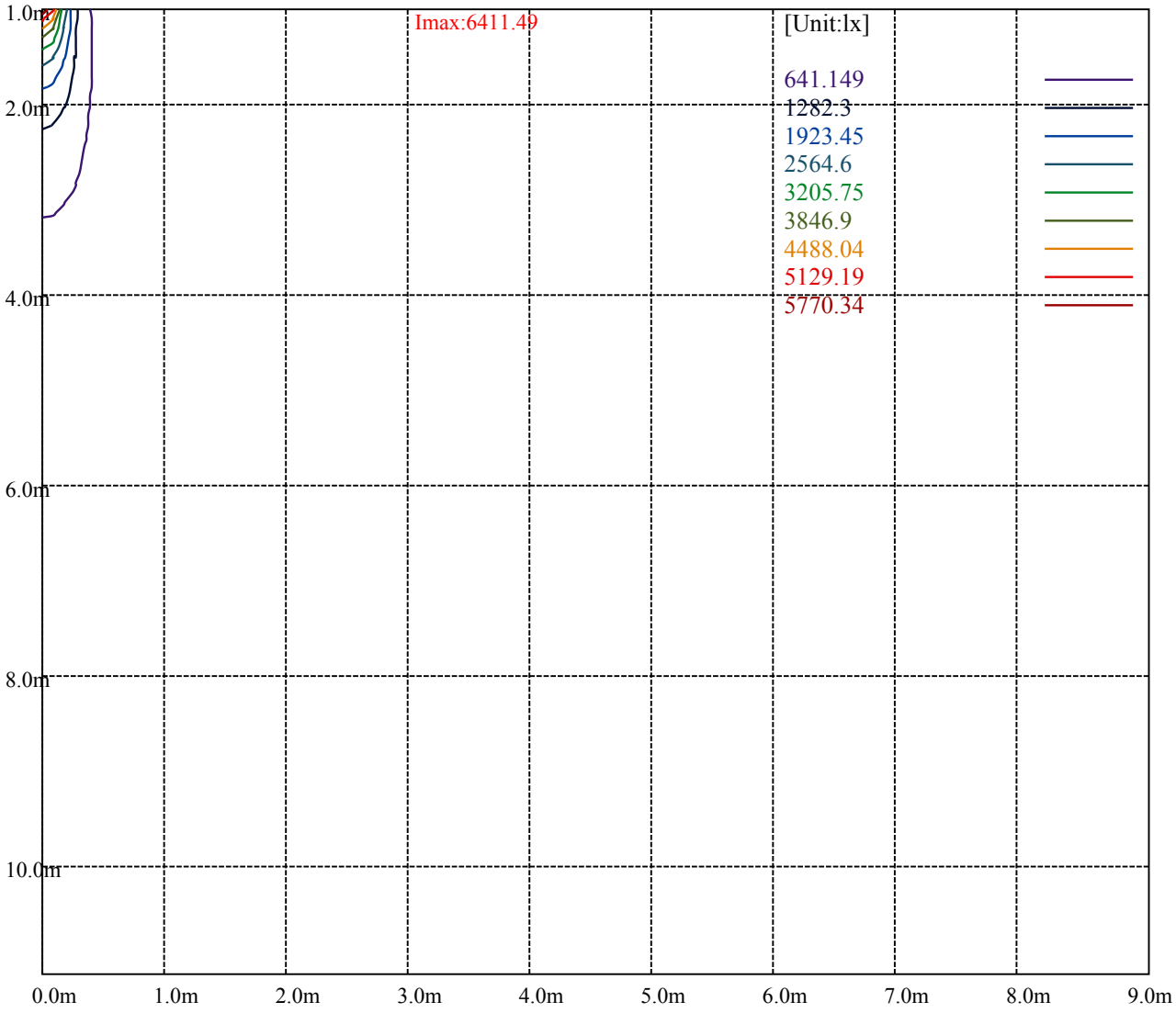
House [Unit:cd] Road

Imax:6411.49

(10%Imax) 641.149
(20%Imax) 1282.3
(30%Imax) 1923.45
(40%Imax) 2564.6
(50%Imax) 3205.75
(60%Imax) 3846.9
(70%Imax) 4488.04
(80%Imax) 5129.19
(90%Imax) 5770.34

Equipment: GMS1980 Date: 2024/7/22 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/7/22
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

NT 1-1282-L

Luminance Limitting Curve(no luminous side)

Luminance Table

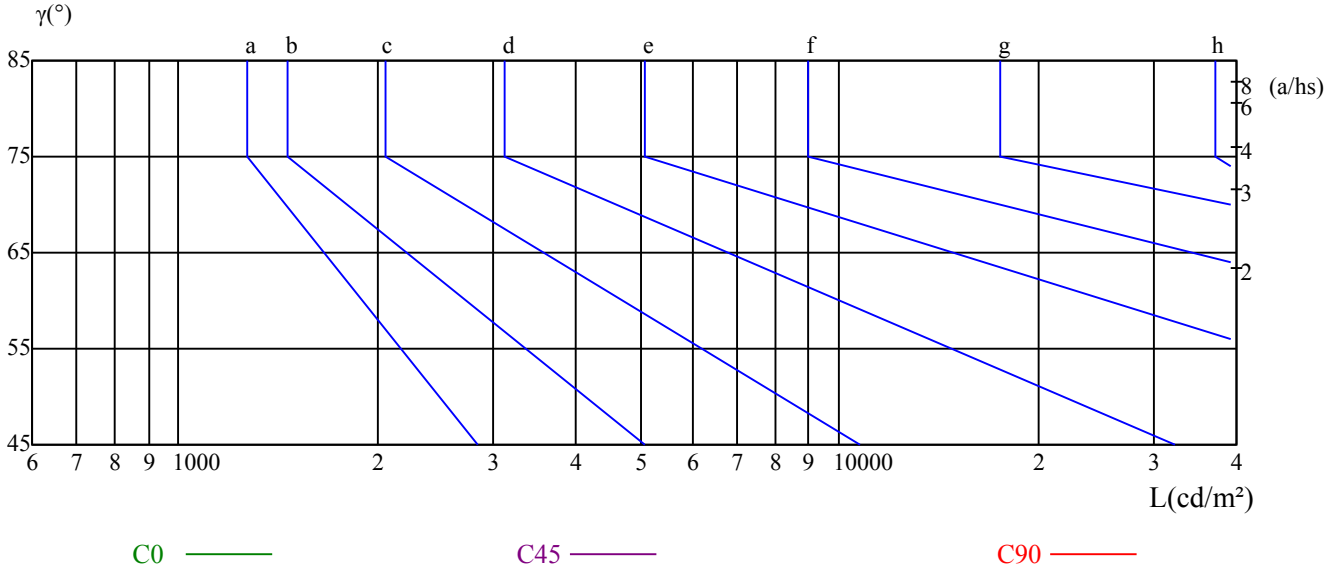
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

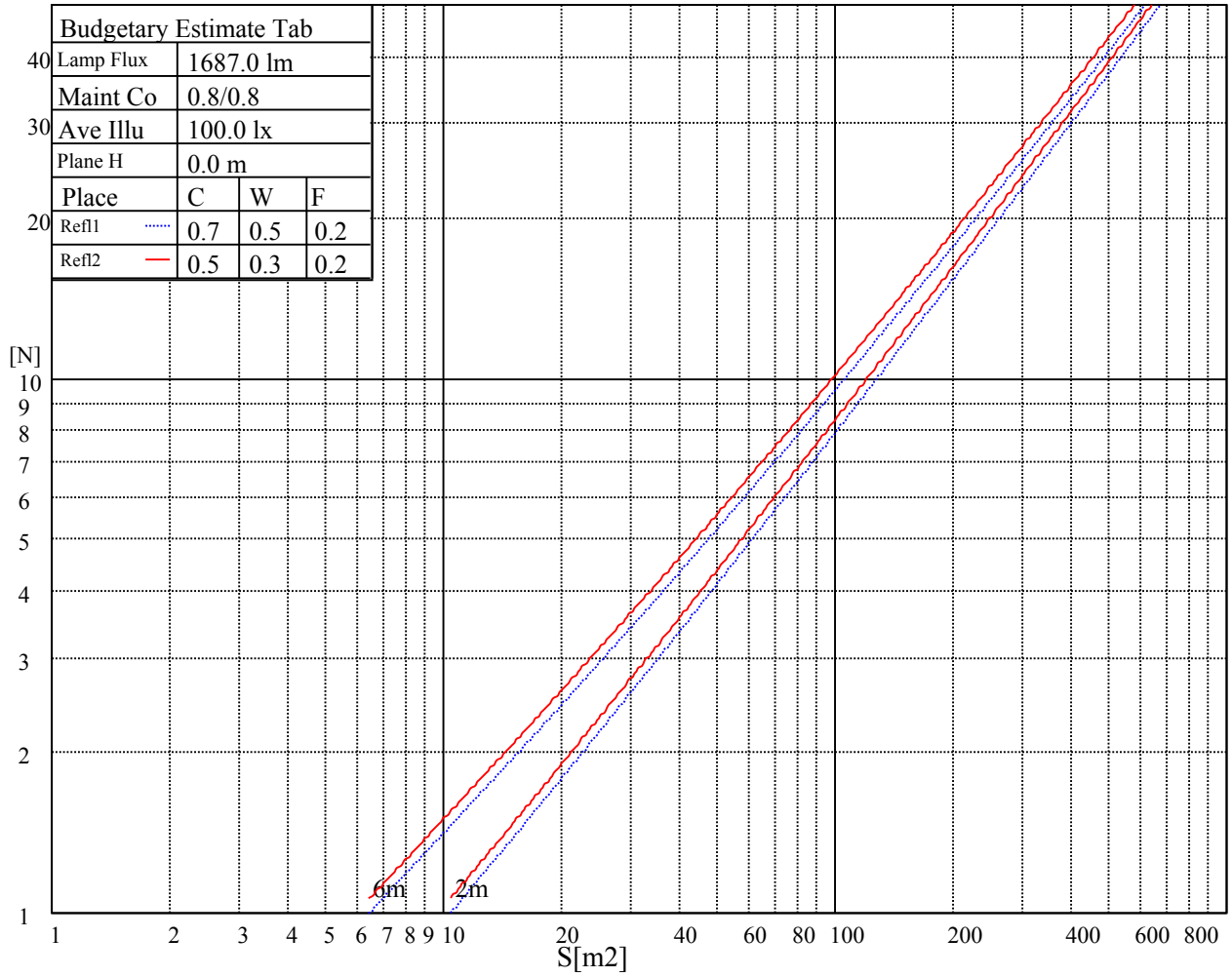
Date: 2024/7/22
Humidity(%): 60.0%

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

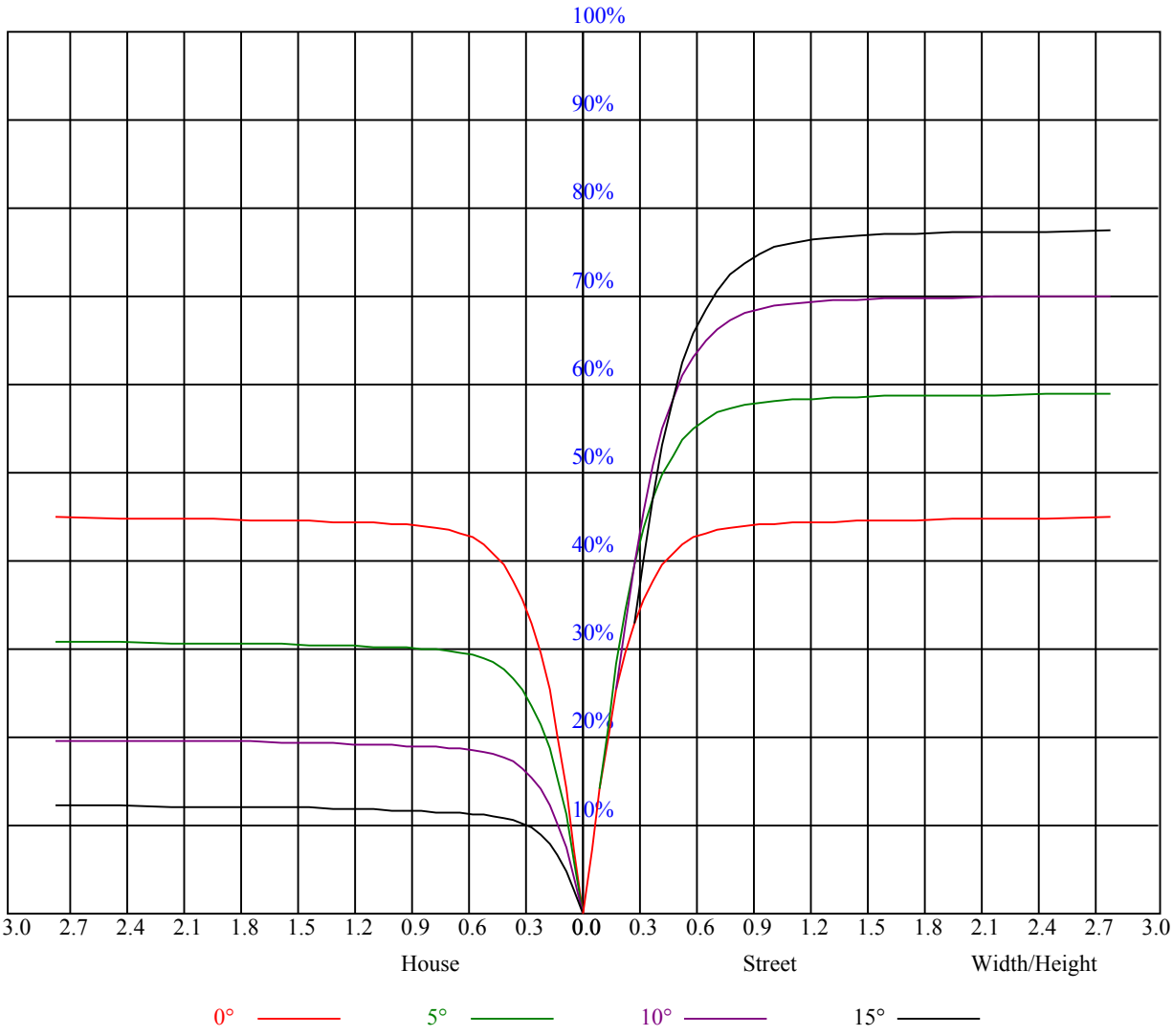


Equipment: GMS1980 Date: 2024/7/22 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

Utilization factor table for indoor luminaire

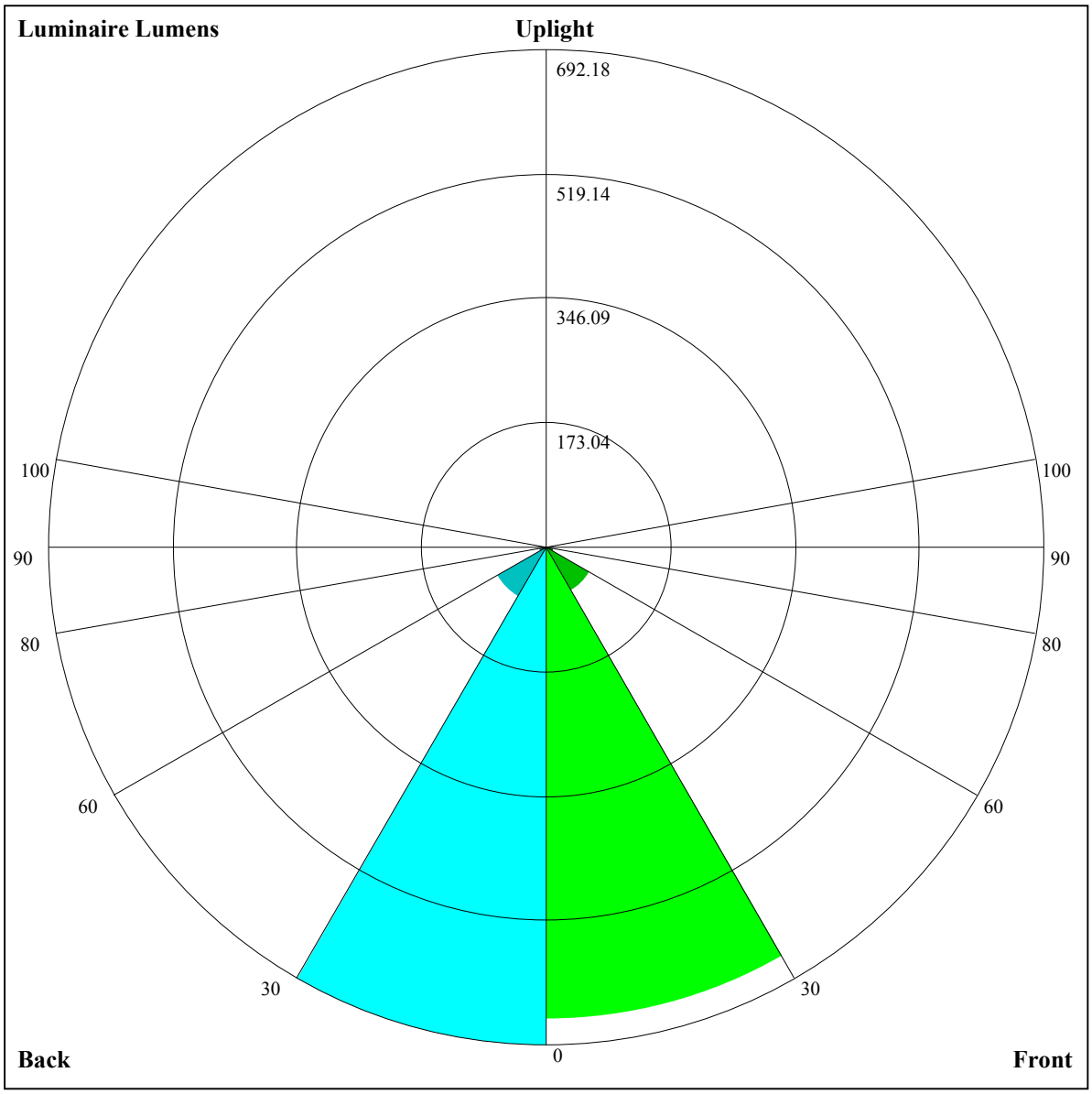
RHOCC	80			70			50			30			10			0
RHOW	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR	COEFFCIENTS OF UTILIZATION RHOFC=20 CU															
0	1.08	1.08	1.08	1.05	1.05	1.05	1.01	1.01	1.01	0.96	0.96	0.96	0.92	0.92	0.92	0.91
1	1.01	0.99	0.97	0.99	0.98	0.96	0.96	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.88	0.86
2	0.96	0.93	0.90	0.94	0.91	0.89	0.91	0.89	0.87	0.89	0.87	0.85	0.86	0.85	0.83	0.82
3	0.91	0.87	0.84	0.90	0.86	0.84	0.87	0.85	0.82	0.85	0.83	0.81	0.83	0.81	0.80	0.79
4	0.87	0.83	0.80	0.86	0.82	0.79	0.84	0.81	0.78	0.82	0.79	0.77	0.81	0.78	0.76	0.75
5	0.83	0.79	0.76	0.82	0.78	0.75	0.81	0.77	0.75	0.79	0.76	0.74	0.78	0.75	0.73	0.72
6	0.80	0.75	0.72	0.79	0.75	0.72	0.78	0.74	0.72	0.77	0.73	0.71	0.75	0.73	0.71	0.70
7	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
8	0.74	0.70	0.67	0.73	0.69	0.67	0.72	0.69	0.66	0.72	0.68	0.66	0.71	0.68	0.66	0.65
9	0.71	0.67	0.64	0.71	0.67	0.64	0.70	0.66	0.64	0.69	0.66	0.64	0.69	0.66	0.64	0.63
10	0.69	0.65	0.62	0.69	0.65	0.62	0.68	0.64	0.62	0.67	0.64	0.62	0.67	0.64	0.62	0.61

Coefficient Utilization Curve



Equipment: GMS1980	Date: 2024/7/22	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65

LCS Graph



Luminaire Lumens:

FL=655.73,FM=69.13,FH=11.39,FVH=4.21

BL=692.18,BM=78.32,BH=11.67,BVH=4.2

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	6404.18	6316.39	6156.63	5933.07	5600.08	5271.18	4909.51	4409.73	4001.24
45.0	6406.52	6425.83	6363.21	6266.06	6025.54	5767.45	5466.06	5135.99	4663.13
90.0	6446.31	6419.39	6328.10	6180.62	5907.32	5638.12	5234.90	4848.65	4450.69
135.0	6388.96	6449.24	6449.82	6383.11	6244.41	5996.86	5720.63	5398.17	5034.16
180.0	6404.18	6454.51	6403.01	6296.49	6092.25	5880.40	5607.10	5174.03	4791.30
225.0	6406.52	6325.17	6156.63	5958.23	5701.32	5389.40	4944.04	4550.18	4128.24
270.0	6446.31	6405.35	6308.20	6100.44	5889.76	5606.51	5280.54	4804.76	4398.61
315.0	6388.96	6237.97	6054.80	5816.02	5522.83	5093.27	4693.56	4288.59	3880.10
360.0	6404.18	6316.39	6156.63	5933.07	5600.08	5271.18	4909.51	4409.73	4001.24

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	3604.46	3226.99	2793.34	2497.80	2171.83	1954.71	1775.63	1615.86	1438.54
45.0	4262.84	3866.64	3476.88	3018.65	2689.17	2389.53	2130.86	1866.93	1682.00
90.0	4046.30	3539.50	3155.59	2804.46	2498.97	2171.83	1942.42	1749.30	1579.58
135.0	4545.50	4131.75	3719.75	3325.31	2871.76	2550.47	2265.46	2027.28	1778.56
180.0	4382.22	3859.62	3451.72	3065.47	2719.60	2342.71	2090.48	1872.19	1683.75
225.0	3702.19	3225.82	2872.34	2553.98	2222.74	1992.75	1751.64	1590.70	1450.83
270.0	3994.22	3585.73	3117.55	2776.95	2474.98	2146.08	1930.72	1691.94	1525.15
315.0	3380.32	3016.31	2692.09	2337.45	2092.82	1890.92	1678.48	1522.81	1385.29
360.0	3604.46	3226.99	2793.34	2497.80	2171.83	1954.71	1775.63	1615.86	1438.54

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1148.21	1148.21	1124.39	1016.36	930.80	851.50	755.00	678.10	606.23
45.0	1490.04	1371.83	1262.39	1141.25	1054.63	973.87	873.21	797.13	723.98
90.0	1407.52	1149.73	1149.73	1059.20	967.61	857.71	779.52	704.55	634.27
135.0	1616.45	1433.27	1316.81	1209.13	1091.50	1006.65	921.20	822.30	747.39
180.0	1507.60	1380.02	1251.27	1165.83	1075.70	989.09	893.70	814.69	738.61
225.0	1154.59	1154.59	1080.03	992.83	908.68	809.83	733.81	659.43	585.63
270.0	1388.21	1267.66	1131.30	1042.93	945.78	857.41	764.95	687.11	612.79
315.0	1145.17	1145.17	1047.38	961.64	860.40	783.79	709.41	639.36	549.00
360.0	1148.21	1148.21	1124.39	1016.36	930.80	851.50	755.00	678.10	606.23

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	516.05	446.41	385.96	316.96	268.27	225.72	181.36	151.40	125.53
45.0	649.66	557.19	486.38	421.42	360.56	296.77	296.77	240.64	173.05
90.0	550.52	484.04	422.71	364.83	300.51	256.21	216.36	174.51	146.83
135.0	673.65	604.60	536.71	454.19	390.99	337.15	300.28	300.28	195.58
180.0	647.32	574.16	498.08	428.44	354.70	302.03	302.03	244.10	174.75
225.0	496.27	428.79	353.53	304.73	262.47	220.16	191.90	165.44	136.83
270.0	544.90	455.95	390.40	321.93	298.52	298.52	201.32	167.90	145.72
315.0	475.73	410.42	336.39	284.30	229.82	194.53	164.62	134.60	115.23
360.0	516.05	446.41	385.96	316.96	268.27	225.72	181.36	151.40	125.53

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	104.17	82.98	69.00	57.70	48.87	40.38	35.17	31.02	26.98
45.0	137.29	113.48	89.48	74.03	61.57	49.69	42.37	36.69	32.19
90.0	123.25	99.66	83.63	70.40	57.24	49.10	42.60	37.57	32.71
135.0	157.89	132.61	111.60	89.48	75.26	63.67	52.14	44.83	39.15
180.0	149.76	124.18	108.97	95.80	80.70	70.29	60.69	51.44	45.24
225.0	117.10	100.07	85.33	69.52	59.40	50.91	44.01	37.10	32.89
270.0	126.35	104.17	89.13	75.90	61.80	52.55	44.95	38.92	33.12
315.0	99.78	86.15	72.04	61.68	52.55	44.83	37.16	32.25	28.62
360.0	104.17	82.98	69.00	57.70	48.87	40.38	35.17	31.02	26.98

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	24.64	22.77	20.95	19.84	18.90	17.97	17.32	16.80	16.33
45.0	28.68	25.16	23.00	21.19	19.37	18.26	17.32	16.33	15.74
90.0	29.79	27.45	25.57	23.88	22.59	21.59	20.48	19.78	18.84
135.0	34.53	29.96	27.04	24.64	22.71	20.78	19.49	18.43	17.38
180.0	40.03	35.70	31.60	29.03	26.86	25.11	23.35	22.18	21.24
225.0	29.61	26.34	24.05	21.77	20.19	18.96	17.91	16.85	16.15
270.0	29.44	26.69	23.99	22.30	20.95	19.55	18.55	17.79	16.85
315.0	25.11	22.94	21.07	19.25	18.20	17.26	16.33	15.74	15.27
360.0	24.64	22.77	20.95	19.84	18.90	17.97	17.32	16.80	16.33

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	15.86	15.51	15.22	14.86	14.63	14.40	14.28	14.10	14.05
45.0	15.10	14.63	14.28	13.93	13.58	13.34	13.11	12.99	12.82
90.0	18.26	17.62	17.03	16.62	16.21	15.74	15.27	14.86	14.57
135.0	16.68	15.92	15.45	15.04	14.69	14.34	14.05	13.75	13.52
180.0	20.19	19.61	18.84	18.32	17.91	17.32	16.91	16.50	16.15
225.0	15.63	15.22	14.75	14.40	14.10	13.81	13.58	13.34	13.17
270.0	16.27	15.80	15.39	14.92	14.51	14.22	13.93	13.64	13.40
315.0	14.86	14.46	14.16	13.93	13.69	13.40	13.28	13.11	12.99
360.0	15.86	15.51	15.22	14.86	14.63	14.40	14.28	14.10	14.05

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	13.87	13.75	13.46	13.17	12.76	12.35	12.00	11.59	11.24
45.0	12.70	12.52	12.35	12.06	11.82	11.47	11.12	10.77	10.42
90.0	14.28	13.81	13.40	13.05	12.58	12.29	11.88	11.41	11.00
135.0	13.23	12.93	12.64	12.29	12.00	11.76	11.35	11.06	10.71
180.0	15.80	15.51	15.10	14.81	14.40	13.81	13.28	12.70	12.29
225.0	12.82	12.58	12.29	12.00	11.65	11.24	10.89	10.65	10.18
270.0	13.05	12.82	12.58	12.23	11.82	11.53	11.18	10.89	10.36
315.0	12.76	12.58	12.35	12.06	11.65	11.24	10.94	10.59	10.30
360.0	13.87	13.75	13.46	13.17	12.76	12.35	12.00	11.59	11.24

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	10.94	10.71	10.48	10.18	10.01	9.71	9.54	9.31	9.07
45.0	10.12	9.95	9.71	9.54	9.36	9.19	8.95	8.78	8.60
90.0	10.65	10.30	10.01	9.77	9.48	9.19	9.01	8.84	8.60
135.0	10.42	10.18	9.95	9.71	9.54	9.31	9.19	8.95	8.78
180.0	11.82	11.35	11.06	10.65	10.24	10.01	9.66	9.42	9.13
225.0	9.95	9.60	9.31	9.07	8.84	8.60	8.43	8.25	8.13
270.0	10.07	9.83	9.42	9.19	8.90	8.66	8.49	8.31	8.13
315.0	10.01	9.71	9.48	9.19	9.01	8.78	8.60	8.43	8.31
360.0	10.94	10.71	10.48	10.18	10.01	9.71	9.54	9.31	9.07

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	8.95	8.78	8.54	8.43	8.31	8.02	7.90	7.78	7.49
45.0	8.43	8.19	8.02	7.84	7.67	7.49	7.26	7.14	7.02
90.0	8.37	8.13	7.96	7.72	7.55	7.32	7.14	7.02	6.91
135.0	8.60	8.49	8.25	8.13	7.90	7.72	7.49	7.37	7.20
180.0	8.90	8.54	8.43	8.13	7.96	7.78	7.55	7.37	7.26
225.0	8.02	7.84	7.67	7.55	7.43	7.26	7.20	6.96	7.02
270.0	8.02	7.96	7.72	7.55	7.43	7.26	7.37	7.32	7.14
315.0	8.08	7.90	7.78	7.61	7.49	7.32	7.32	6.91	6.79
360.0	8.95	8.78	8.54	8.43	8.31	8.02	7.90	7.78	7.49

Intensity data(cd)

C/γ(°)	90.0
0.0	7.14
45.0	6.85
90.0	6.79
135.0	7.08
180.0	6.96
225.0	6.96
270.0	7.08
315.0	6.96
360.0	7.14