NATA LIGHTING CO.,LTD.
www.nata.cn
Email:info@nata.com
Tel:+86-750-3770000 Fax:+86-750-3771111
Address:380JinOu Road,GaoXin Zone,Jiang Men City,Guangdong,China

NT

Client:
LumCAT: 1-1207-L
Luminaire: 92.70.410.00
Report No: 2024803-B015
Ballast type: AC

Test No: 2024803-C015	Voltage(V): 34.480
LampCAT: Fortimo_SLM_C_1204	Current(A): 0.288
Lamp flux(lm): 1684.0	Power (W): 9.930
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 1545.38, Efficiency(%): 91.77% , Luminous Efficacy(lm/W): 155.63
Central intensity(cd): 4835.773, Maximum intensity(cd): 4835.773
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=28.6
[C90/270]Total=28.6
Field angle(10%Imax): [C0/180]Total=59.0
[C90/270]Total=59.0
Maximum s/h(1/2): C0_180=0.48 C90_270=0.48
Maximum s/h(1/4): C0_180=0.47 C90_270=0.47
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 91.77%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 98.132%

NT 1-1207-L

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	4835.773	0.000	0	0.00%	0.00%
1.0	4829.116	4.624	4.624	0.27%	0.30%
2.0	4798.830	13.819	18.443	0.82%	1.19%
3.0	4745.648	22.827	41.271	1.36%	2.67%
4.0	4671.617	31.523	72.793	1.87%	4.71%
5.0	4566.423	39.742	112.535	2.36%	7.28%
6.0	4422.311	47.238	159.773	2.81%	10.34%
7.0	4249.816	53.828	213.601	3.20%	13.82%
8.0	4053.107	59.422	273.023	3.53%	17.67%
9.0	3838.037	63.953	336.977	3.80%	21.81%
10.0	3590.999	67.230	404.207	3.99%	26.16%
11.0	3347.619	69.331	473.538	4.12%	30.64%
12.0	3063.711	70.085	543.623	4.16%	35.18%
13.0	2784.998	69.409	613.032	4.12%	39.67%
14.0	2507.382	67.742	680.774	4.02%	44.05%
15.0	2223.767	64.951	745.726	3.86%	48.26%
16.0	1968.536	61.429	807.155	3.65%	52.23%
17.0	1685.155	56.898	864.052	3.38%	55.91%
18.0	1451.453	51.716	915.768	3.07%	59.26%
19.0	1294.167	47.768	963.536	2.84%	62.35%
20.0	1170.999	45.119	1008.656	2.68%	65.27%
21.0	1061.254	42.864	1051.52	2.55%	68.04%
22.0	961.890	40.656	1092.175	2.41%	70.67%
23.0	884.487	38.742	1130.917	2.30%	73.18%
24.0	815.189	37.161	1168.078	2.21%	75.58%
25.0	754.150	35.683	1203.762	2.12%	77.89%
26.0	696.410	34.241	1238.002	2.03%	80.11%
27.0	637.508	32.635	1270.637	1.94%	82.22%
28.0	575.744	30.717	1301.354	1.82%	84.21%
29.0	514.705	28.529	1329.883	1.69%	86.06%
30.0	448.948	26.018	1355.902	1.55%	87.74%
31.0	381.172	23.101	1379.003	1.37%	89.23%
32.0	319.277	20.067	1399.07	1.19%	90.53%
33.0	273.351	17.459	1416.529	1.04%	91.66%
34.0	231.383	15.275	1431.804	0.91%	92.65%
35.0	185.414	12.944	1444.748	0.77%	93.49%
36.0	130.995	10.075	1454.822	0.60%	94.14%
37.0	101.983	7.598	1462.421	0.45%	94.63%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	80.520	6.092	1468.512	0.36%	95.03%
39.0	64.901	4.964	1473.476	0.29%	95.35%
40.0	54.082	4.150	1477.626	0.25%	95.62%
41.0	45.933	3.561	1481.187	0.21%	95.85%
42.0	40.285	3.132	1484.32	0.19%	96.05%
43.0	35.896	2.822	1487.142	0.17%	96.23%
44.0	32.451	2.580	1489.721	0.15%	96.40%
45.0	29.590	2.384	1492.106	0.14%	96.55%
46.0	27.147	2.219	1494.325	0.13%	96.70%
47.0	25.040	2.076	1496.4	0.12%	96.83%
48.0	23.226	1.951	1498.351	0.12%	96.96%
49.0	21.748	1.847	1500.198	0.11%	97.08%
50.0	20.366	1.756	1501.954	0.10%	97.19%
51.0	19.217	1.675	1503.629	0.10%	97.30%
52.0	18.310	1.610	1505.239	0.10%	97.40%
53.0	17.432	1.555	1506.794	0.09%	97.50%
54.0	16.737	1.506	1508.3	0.09%	97.60%
55.0	16.050	1.464	1509.764	0.09%	97.70%
56.0	15.457	1.424	1511.187	0.08%	97.79%
57.0	14.865	1.386	1512.574	0.08%	97.88%
58.0	14.331	1.350	1513.924	0.08%	97.96%
59.0	13.797	1.315	1515.239	0.08%	98.05%
60.0	13.292	1.280	1516.519	0.08%	98.13%
61.0	12.846	1.247	1517.766	0.07%	98.21%
62.0	12.414	1.217	1518.983	0.07%	98.29%
63.0	12.056	1.190	1520.173	0.07%	98.37%
64.0	11.675	1.164	1521.338	0.07%	98.44%
65.0	11.353	1.140	1522.477	0.07%	98.52%
66.0	11.010	1.116	1523.593	0.07%	98.59%
67.0	10.666	1.090	1524.683	0.06%	98.66%
68.0	10.351	1.065	1525.748	0.06%	98.73%
69.0	10.081	1.042	1526.79	0.06%	98.80%
70.0	9.854	1.024	1527.814	0.06%	98.86%
71.0	9.627	1.007	1528.821	0.06%	98.93%
72.0	9.459	0.992	1529.813	0.06%	98.99%
73.0	9.269	0.979	1530.792	0.06%	99.06%
74.0	9.100	0.966	1531.758	0.06%	99.12%
75.0	8.903	0.951	1532.709	0.06%	99.18%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	8.720	0.935	1533.645	0.06%	99.24%
77.0	8.574	0.922	1534.567	0.05%	99.30%
78.0	8.405	0.909	1535.476	0.05%	99.36%
79.0	8.252	0.895	1536.37	0.05%	99.42%
80.0	8.113	0.882	1537.253	0.05%	99.47%
81.0	7.974	0.870	1538.123	0.05%	99.53%
82.0	7.857	0.858	1538.981	0.05%	99.59%
83.0	7.725	0.847	1539.828	0.05%	99.64%
84.0	7.579	0.834	1540.662	0.05%	99.69%
85.0	7.454	0.820	1541.482	0.05%	99.75%
86.0	7.330	0.808	1542.29	0.05%	99.80%
87.0	7.206	0.796	1543.086	0.05%	99.85%
88.0	7.074	0.782	1543.868	0.05%	99.90%
89.0	6.906	0.766	1544.634	0.05%	99.95%
90.0	6.774	0.750	1545.384	0.04%	100.00%

Zonal flux distribution table

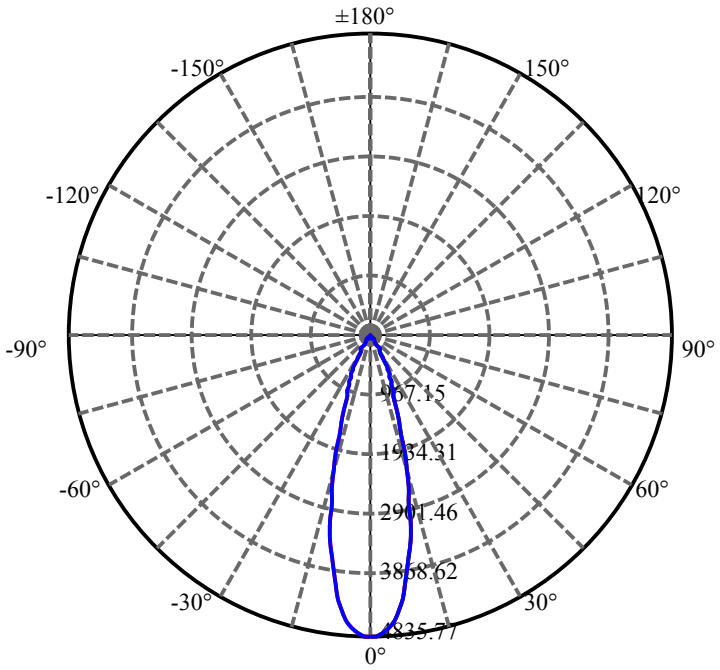
ZONAL LUMEN SUMMARY

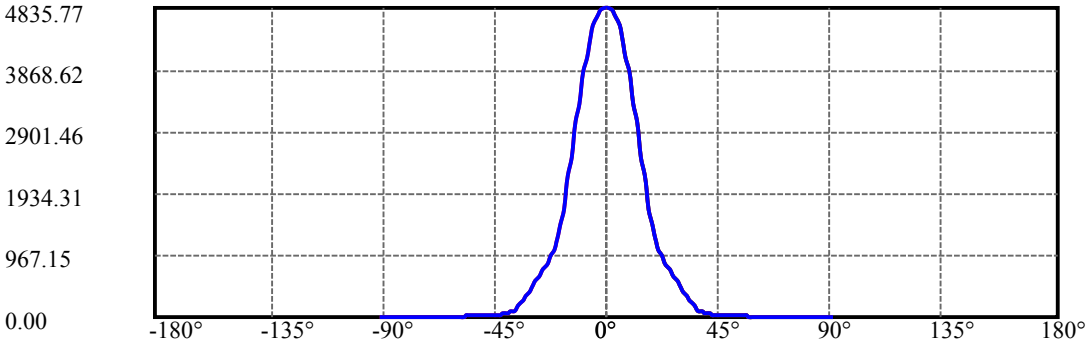
Zone	Lumens	%Lamp	%Fixt
0-30	1355.90	80.52%	87.74%
0-40	1477.63	87.74%	95.62%
0-60	1516.52	90.05%	98.13%
0-90	1544.63	91.72%	99.95%
0-120	1544.63	91.72%	99.95%
0-180	1545.38	91.77%	100.00%
60-90	28.12	1.67%	1.82%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-25.95	1236.31	73.41%	80.00%

ZONAL LUMEN SUMMARY

0-10	404.21
10-20	604.45
20-30	347.25
30-40	121.72
40-50	24.33
50-60	14.56
60-70	11.30
70-80	9.44
80-90	7.38
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):

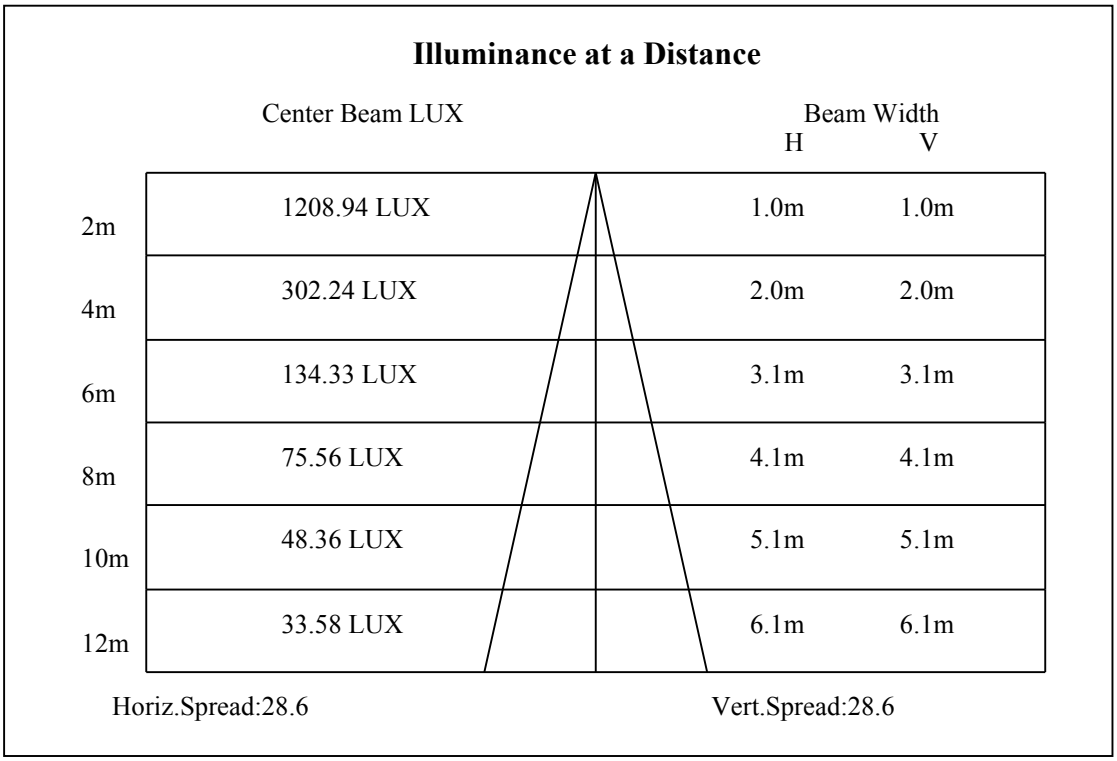
C0/C180:

C90/C270:

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

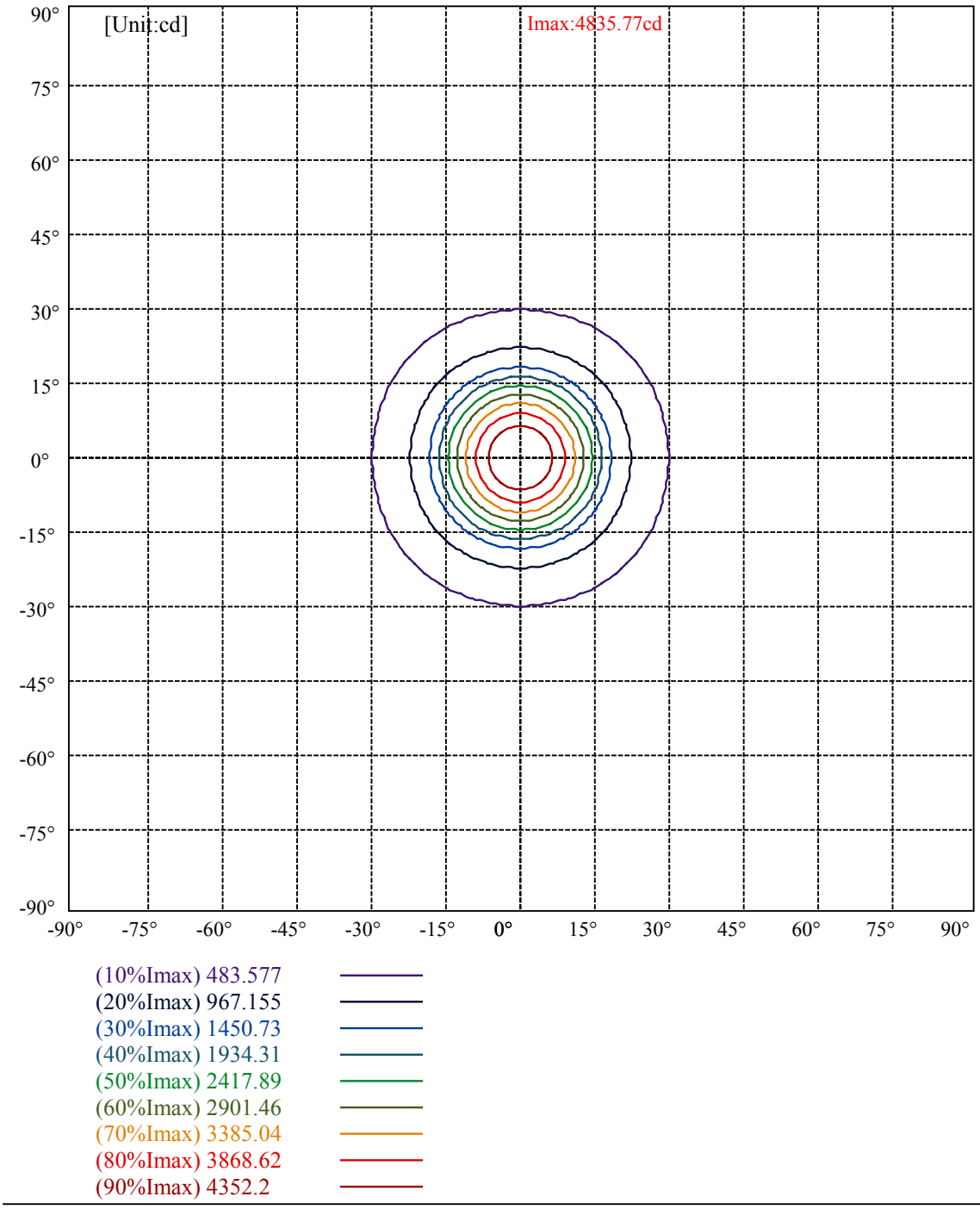
Beam Angle(50%Imax):C0/180Left:14.3 Right:14.3
:C90/270Left:14.3 Right:14.3

Lux distance Curve



Equipment: GMS1980 Date: 2024/8/3 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

ISO-Intensity(V-H)

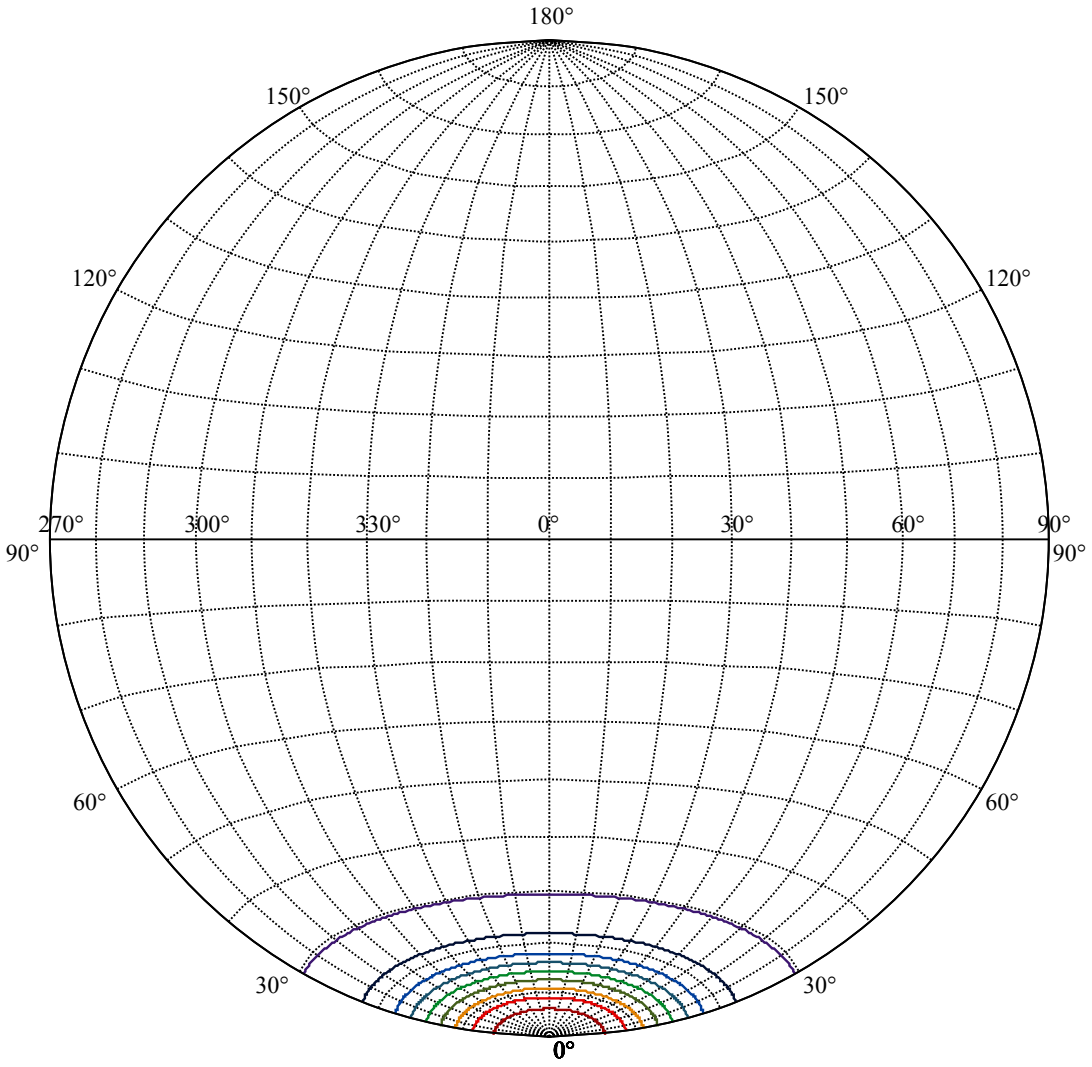


Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/8/3
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

ISO candela diagram on circular web



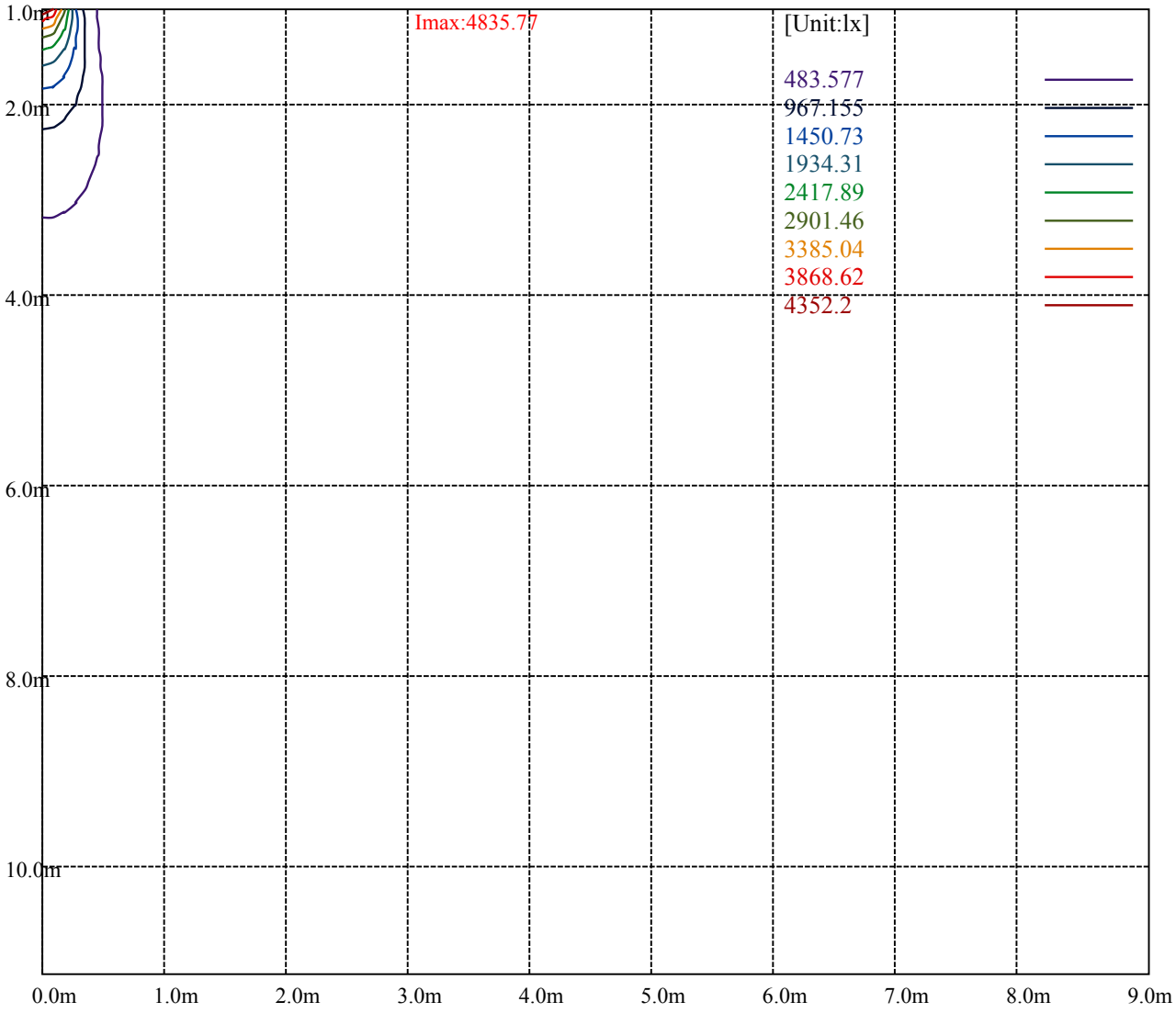
House [Unit:cd] Road

Imax:4835.77

(10%Imax) 483.577
(20%Imax) 967.155
(30%Imax) 1450.73
(40%Imax) 1934.31
(50%Imax) 2417.89
(60%Imax) 2901.46
(70%Imax) 3385.04
(80%Imax) 3868.62
(90%Imax) 4352.2

Equipment: GMS1980 Date: 2024/8/3 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/8/3
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

NT 1-1207-L

Luminance Limitting Curve(no luminous side)

Luminance Table

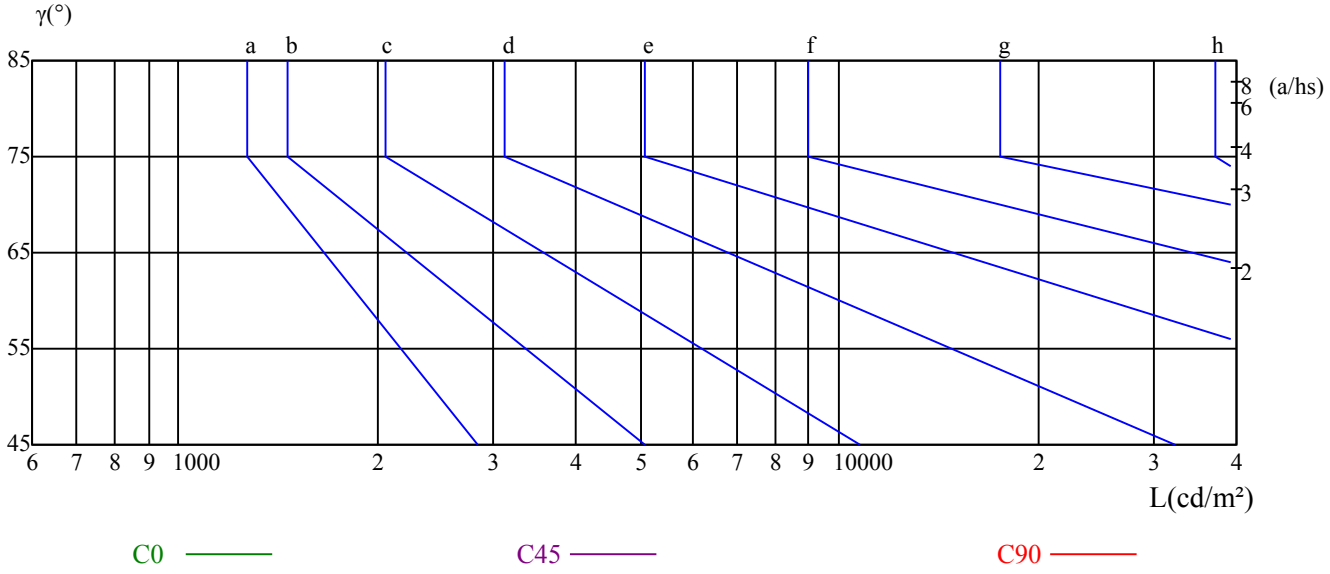
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

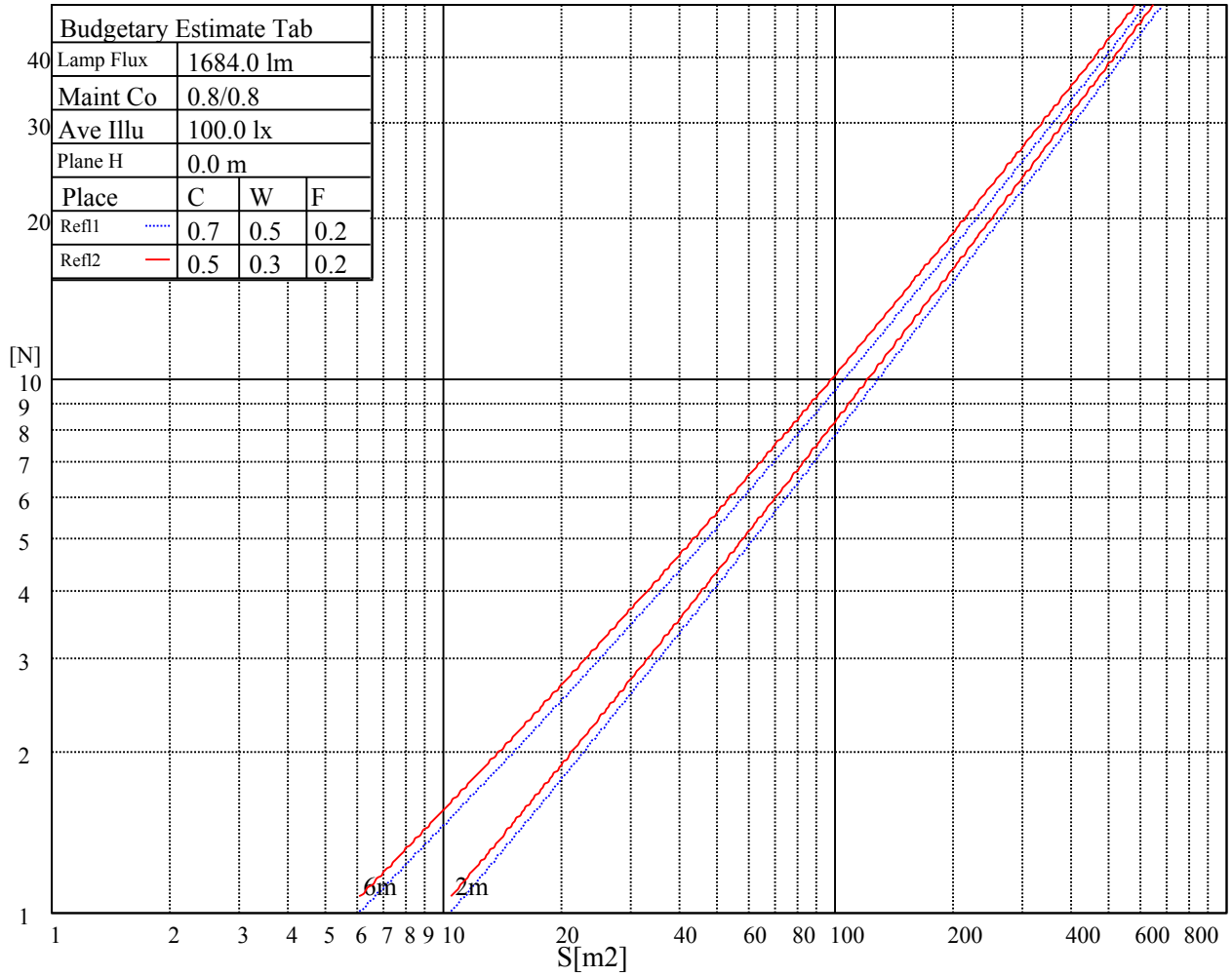
Luminance Limitting Curve



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

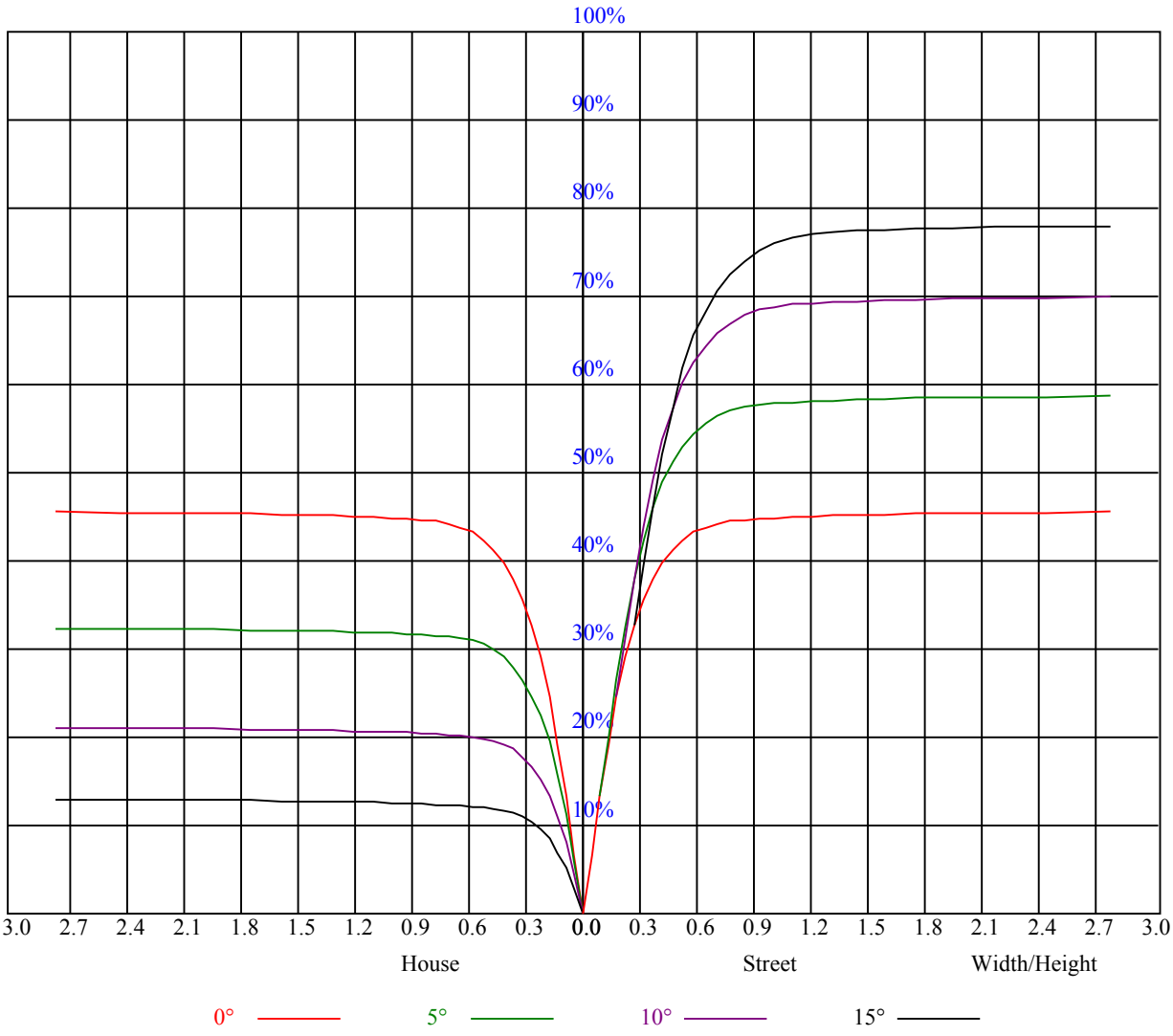


Equipment: GMS1980	Date: 2024/8/3	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65

Utilization factor table for indoor luminaire

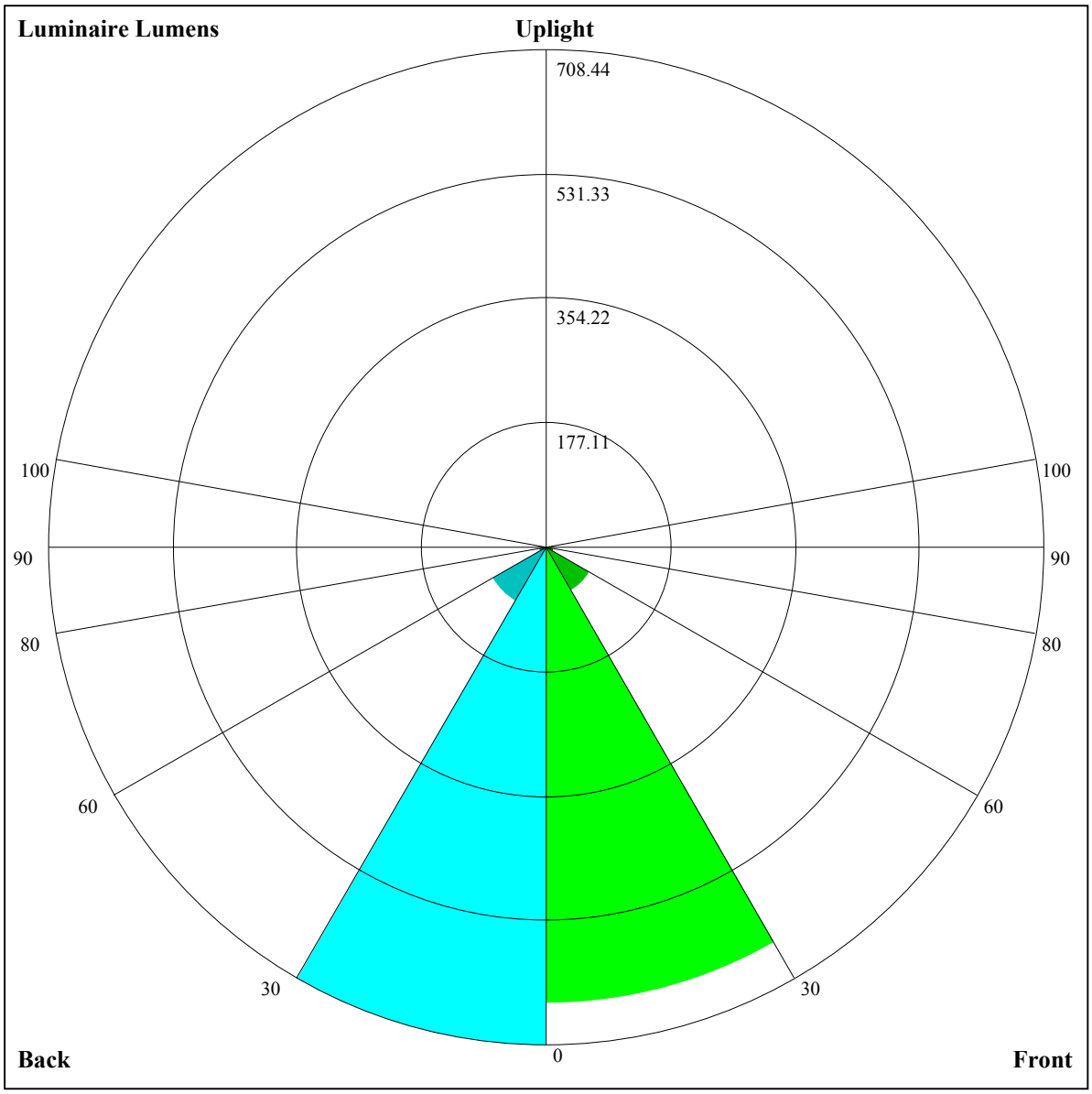
RHOCC	80			70			50			30			10			0
RHOW	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR	COEFFCIENTS OF UTILIZATION RHOFC=20 CU															
0	1.09	1.09	1.09	1.07	1.07	1.07	1.02	1.02	1.02	0.98	0.98	0.98	0.94	0.94	0.94	0.92
1	1.02	1.00	0.99	1.01	0.99	0.97	0.97	0.95	0.94	0.93	0.92	0.91	0.90	0.89	0.89	0.87
2	0.97	0.94	0.91	0.95	0.92	0.90	0.92	0.90	0.88	0.90	0.88	0.86	0.87	0.86	0.84	0.83
3	0.92	0.88	0.85	0.91	0.87	0.84	0.88	0.85	0.83	0.86	0.84	0.82	0.84	0.82	0.80	0.79
4	0.87	0.83	0.80	0.86	0.82	0.79	0.84	0.81	0.79	0.83	0.80	0.78	0.81	0.79	0.77	0.76
5	0.83	0.79	0.76	0.83	0.78	0.75	0.81	0.77	0.75	0.80	0.77	0.74	0.78	0.76	0.74	0.72
6	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
7	0.77	0.72	0.69	0.76	0.72	0.69	0.75	0.71	0.68	0.74	0.71	0.68	0.73	0.70	0.68	0.67
8	0.74	0.69	0.66	0.73	0.69	0.66	0.72	0.68	0.66	0.71	0.68	0.66	0.71	0.68	0.65	0.64
9	0.71	0.67	0.64	0.71	0.66	0.64	0.70	0.66	0.63	0.69	0.66	0.63	0.68	0.65	0.63	0.62
10	0.68	0.64	0.61	0.68	0.64	0.61	0.67	0.64	0.61	0.67	0.63	0.61	0.66	0.63	0.61	0.60

Coefficient Utilization Curve



Equipment: GMS1980	Date: 2024/8/3	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65

LCS Graph



Luminaire Lumens:

FL=648.52,FM=71.83,FH=10.15,FVH=4.01

BL=708.44,BM=88.93,BH=10.53,BVH=4.09

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	4825.82	4771.98	4710.53	4593.49	4472.93	4315.51	4101.90	3919.90	3720.33
45.0	4848.06	4838.11	4812.36	4780.76	4705.27	4604.61	4479.37	4277.47	4113.02
90.0	4845.72	4834.60	4822.90	4773.15	4692.98	4585.88	4457.13	4242.35	4059.76
135.0	4823.48	4869.13	4859.18	4842.80	4797.73	4719.90	4606.95	4464.74	4253.47
180.0	4825.82	4866.20	4869.72	4845.72	4809.44	4716.39	4594.07	4441.33	4256.40
225.0	4848.06	4844.55	4820.56	4775.49	4712.29	4603.44	4460.64	4306.14	4080.83
270.0	4845.72	4839.87	4801.83	4749.74	4692.98	4633.28	4535.55	4400.95	4211.34
315.0	4823.48	4768.47	4693.56	4604.02	4489.32	4352.38	4142.87	3945.65	3729.70
360.0	4825.82	4771.98	4710.53	4593.49	4472.93	4315.51	4101.90	3919.90	3720.33

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	3429.48	3177.25	2914.48	2658.74	2329.84	2070.58	1834.15	1614.69	1147.22
45.0	3917.55	3644.84	3401.39	3078.34	2806.80	2533.50	2261.37	1930.13	1699.55
90.0	3846.16	3541.84	3273.22	2908.63	2618.36	2342.71	2019.67	1770.95	1548.56
135.0	4072.05	3871.32	3659.47	3365.10	3102.34	2836.06	2493.70	2229.18	1920.77
180.0	4003.58	3792.90	3580.47	3289.02	3049.67	2733.06	2471.46	2212.21	1904.38
225.0	3890.05	3626.11	3398.46	3152.67	2889.90	2562.17	2294.73	2043.08	1803.14
270.0	4033.43	3849.08	3575.78	3337.60	3079.51	2815.58	2480.24	2227.42	1976.95
315.0	3511.99	3224.65	2977.68	2719.60	2403.58	2165.39	1934.81	1720.62	1480.68
360.0	3429.48	3177.25	2914.48	2658.74	2329.84	2070.58	1834.15	1614.69	1147.22

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1147.22	1118.66	1000.62	921.20	855.01	787.71	731.71	682.14	616.77
45.0	1494.14	1316.81	1144.17	1031.22	946.95	879.07	808.84	753.24	682.43
90.0	1146.22	1146.22	1061.25	969.48	893.99	815.69	759.45	703.73	653.70
135.0	1701.89	1509.94	1341.98	1175.19	1065.17	975.63	901.89	830.49	776.65
180.0	1676.73	1482.43	1323.25	1170.51	1059.32	981.48	900.72	826.40	769.63
225.0	1549.73	1159.21	1159.21	1102.15	983.41	904.58	838.74	765.59	713.10
270.0	1747.54	1471.90	1296.33	1165.83	1011.33	930.57	836.35	779.58	719.89
315.0	1148.15	1148.15	1041.17	954.44	879.94	801.17	743.82	692.03	639.12
360.0	1147.22	1118.66	1000.62	921.20	855.01	787.71	731.71	682.14	616.77

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	558.89	498.79	437.51	359.15	300.40	248.95	203.13	154.91	123.01
45.0	626.83	570.65	496.91	436.05	374.60	316.67	303.21	240.94	164.16
90.0	583.70	524.07	465.90	391.40	332.47	263.70	214.25	172.11	135.71
135.0	726.32	662.53	606.35	534.37	473.51	412.64	335.39	307.30	307.30
180.0	726.32	664.87	615.72	567.73	491.65	427.86	361.73	303.21	303.21
225.0	646.91	587.16	524.65	458.06	376.30	315.14	260.60	211.97	160.35
270.0	664.29	593.48	532.61	470.58	402.11	323.69	309.06	309.06	169.42
315.0	566.79	504.41	437.98	374.25	298.35	245.56	199.44	151.57	120.15
360.0	558.89	498.79	437.51	359.15	300.40	248.95	203.13	154.91	123.01

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	92.41	74.73	61.68	50.45	44.36	39.74	35.58	32.66	30.08
45.0	130.62	97.38	77.78	63.20	51.09	44.42	39.68	35.29	32.36
90.0	100.72	80.41	65.60	55.25	46.58	41.55	37.75	34.00	31.25
135.0	185.05	139.81	111.54	89.31	73.21	59.40	51.73	45.59	40.91
180.0	190.96	152.28	114.24	90.42	72.33	58.99	47.58	40.67	35.70
225.0	126.94	100.07	79.12	60.22	49.69	40.85	35.87	32.19	28.50
270.0	125.88	98.61	73.97	60.40	51.09	42.66	37.75	34.12	30.72
315.0	95.39	72.57	60.22	49.98	44.30	39.85	36.34	32.66	30.08
360.0	92.41	74.73	61.68	50.45	44.36	39.74	35.58	32.66	30.08

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	27.86	25.52	23.82	22.30	21.07	19.61	18.67	17.85	16.91
45.0	29.73	26.80	24.81	23.00	21.48	19.72	18.49	17.44	16.33
90.0	28.91	26.28	24.52	22.77	20.95	19.61	18.43	17.56	16.50
135.0	36.34	33.18	30.61	27.68	25.63	23.47	21.89	20.54	19.43
180.0	31.54	28.85	26.04	24.23	22.71	21.36	20.13	19.25	18.43
225.0	26.10	24.17	22.12	20.78	19.61	18.73	17.91	17.38	16.91
270.0	28.44	26.51	24.76	22.94	21.77	20.83	19.96	19.14	18.61
315.0	27.80	25.87	23.64	22.12	20.78	19.61	18.26	17.32	16.33
360.0	27.86	25.52	23.82	22.30	21.07	19.61	18.67	17.85	16.91

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	16.15	15.39	14.86	14.40	13.93	13.40	13.05	12.76	12.47
45.0	15.57	14.86	14.28	13.58	13.05	12.52	12.17	11.82	11.41
90.0	15.74	15.04	14.22	13.69	13.28	12.76	12.29	11.88	11.41
135.0	18.26	17.32	16.50	15.74	14.86	14.28	13.69	13.23	12.70
180.0	17.79	17.21	16.80	16.33	15.92	15.39	14.86	14.28	13.81
225.0	16.56	16.09	15.80	15.33	14.86	14.40	13.69	13.23	12.82
270.0	18.20	17.50	16.91	16.09	15.39	14.75	14.16	13.46	12.93
315.0	15.63	14.98	14.28	13.75	13.34	12.87	12.41	12.11	11.76
360.0	16.15	15.39	14.86	14.40	13.93	13.40	13.05	12.76	12.47

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	12.11	11.82	11.53	11.18	10.77	10.42	10.18	10.01	9.83
45.0	11.18	10.94	10.83	10.48	10.24	10.01	9.83	9.54	9.36
90.0	11.18	10.94	10.59	10.42	10.18	9.95	9.66	9.54	9.31
135.0	12.29	11.88	11.65	11.29	10.89	10.59	10.30	10.01	9.71
180.0	13.40	12.87	12.52	12.11	11.70	11.29	10.94	10.65	10.30
225.0	12.35	11.88	11.47	11.06	10.71	10.30	10.01	9.77	9.60
270.0	12.47	12.00	11.53	11.12	10.77	10.42	10.12	9.89	9.66
315.0	11.47	11.06	10.71	10.42	10.07	9.83	9.60	9.42	9.25
360.0	12.11	11.82	11.53	11.18	10.77	10.42	10.18	10.01	9.83

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	9.66	9.42	9.31	9.13	8.90	8.78	8.60	8.43	8.31
45.0	9.25	9.01	8.90	8.66	8.49	8.37	8.19	8.02	7.90
90.0	9.19	8.95	8.78	8.60	8.37	8.25	8.08	7.96	7.78
135.0	9.48	9.31	9.13	8.90	8.78	8.60	8.43	8.25	8.13
180.0	10.12	9.95	9.77	9.54	9.36	9.25	9.01	8.90	8.72
225.0	9.36	9.25	9.01	8.84	8.72	8.49	8.37	8.25	8.13
270.0	9.54	9.36	9.13	8.95	8.72	8.60	8.43	8.25	8.08
315.0	9.07	8.90	8.78	8.60	8.43	8.25	8.13	7.96	7.84
360.0	9.66	9.42	9.31	9.13	8.90	8.78	8.60	8.43	8.31

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	8.19	8.08	7.90	7.84	7.72	7.49	7.32	7.14	6.85
45.0	7.78	7.67	7.55	7.37	7.32	7.20	7.08	6.96	6.79
90.0	7.67	7.55	7.43	7.32	7.20	7.08	7.02	6.85	6.73
135.0	7.96	7.84	7.72	7.55	7.43	7.32	7.20	7.08	6.96
180.0	8.54	8.43	8.31	8.13	7.96	7.78	7.72	7.67	7.37
225.0	7.96	7.90	7.72	7.55	7.43	7.37	7.20	7.08	6.91
270.0	7.96	7.84	7.72	7.55	7.37	7.26	7.14	6.96	6.91
315.0	7.72	7.55	7.43	7.32	7.20	7.14	6.96	6.85	6.73
360.0	8.19	8.08	7.90	7.84	7.72	7.49	7.32	7.14	6.85

Intensity data(cd)

C/γ(°)	90.0
0.0	6.79
45.0	6.73
90.0	6.67
135.0	6.79
180.0	7.02
225.0	6.73
270.0	6.73
315.0	6.73
360.0	6.79