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NT

Client:
LumCAT: 1-1207-L
Luminaire: 92.70.410.00
Report No: 2024801-B014
Ballast type: AC

Test No: 2024801-C014	Voltage(V): 35.060
LampCAT: Fortimo_SLM_C_1203	Current(A): 0.240
Lamp flux(lm): 1431.0	Power (W): 8.414
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 1316.16, Efficiency(%): 91.97% , Luminous Efficacy(lm/W): 156.42
Central intensity(cd): 4200.804, Maximum intensity(cd): 4200.804
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=28.2
[C90/270]Total=28.2
Field angle(10%Imax): [C0/180]Total=58.4
[C90/270]Total=58.4
Maximum s/h(1/2): C0_180=0.48 C90_270=0.48
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(%): 91.97%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 98.030%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	4200.804	0.000	0	0.00%	0.00%
1.0	4187.782	4.014	4.014	0.28%	0.30%
2.0	4149.377	11.966	15.98	0.84%	1.21%
3.0	4101.827	19.734	35.714	1.38%	2.71%
4.0	4033.722	27.232	62.947	1.90%	4.78%
5.0	3938.696	34.297	97.243	2.40%	7.39%
6.0	3819.529	40.772	138.015	2.85%	10.49%
7.0	3667.517	46.472	184.487	3.25%	14.02%
8.0	3510.896	51.375	235.861	3.59%	17.92%
9.0	3312.139	55.297	291.158	3.86%	22.12%
10.0	3116.967	58.181	349.34	4.07%	26.54%
11.0	2883.023	59.952	409.292	4.19%	31.10%
12.0	2642.349	60.400	469.692	4.22%	35.69%
13.0	2380.973	59.614	529.306	4.17%	40.22%
14.0	2132.692	57.775	587.081	4.04%	44.61%
15.0	1890.189	55.228	642.309	3.86%	48.80%
16.0	1591.029	51.010	693.318	3.56%	52.68%
17.0	1357.159	45.911	739.229	3.21%	56.17%
18.0	1247.122	42.939	782.168	3.00%	59.43%
19.0	1107.882	40.972	823.141	2.86%	62.54%
20.0	988.101	38.362	861.503	2.68%	65.46%
21.0	885.328	35.974	897.477	2.51%	68.19%
22.0	806.857	34.005	931.482	2.38%	70.77%
23.0	744.882	32.560	964.041	2.28%	73.25%
24.0	688.203	31.332	995.374	2.19%	75.63%
25.0	638.239	30.160	1025.534	2.11%	77.92%
26.0	588.107	28.948	1054.482	2.02%	80.12%
27.0	537.910	27.548	1082.03	1.93%	82.21%
28.0	488.100	25.976	1108.007	1.82%	84.18%
29.0	434.332	24.133	1132.14	1.69%	86.02%
30.0	377.287	21.914	1154.054	1.53%	87.68%
31.0	320.740	19.425	1173.479	1.36%	89.16%
32.0	272.671	17.001	1190.479	1.19%	90.45%
33.0	246.380	15.291	1205.771	1.07%	91.61%
34.0	191.895	13.263	1219.034	0.93%	92.62%
35.0	138.625	10.265	1229.299	0.72%	93.40%
36.0	108.113	7.856	1237.155	0.55%	94.00%
37.0	84.843	6.293	1243.448	0.44%	94.48%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	67.381	5.081	1248.529	0.36%	94.86%
39.0	54.777	4.170	1252.699	0.29%	95.18%
40.0	45.735	3.506	1256.205	0.24%	95.44%
41.0	39.415	3.032	1259.237	0.21%	95.68%
42.0	34.623	2.690	1261.927	0.19%	95.88%
43.0	31.178	2.437	1264.364	0.17%	96.06%
44.0	28.259	2.243	1266.607	0.16%	96.24%
45.0	25.860	2.080	1268.687	0.15%	96.39%
46.0	23.760	1.941	1270.628	0.14%	96.54%
47.0	21.968	1.819	1272.447	0.13%	96.68%
48.0	20.417	1.713	1274.16	0.12%	96.81%
49.0	19.071	1.622	1275.782	0.11%	96.93%
50.0	17.915	1.542	1277.324	0.11%	97.05%
51.0	16.898	1.473	1278.797	0.10%	97.16%
52.0	16.086	1.415	1280.212	0.10%	97.27%
53.0	15.362	1.368	1281.58	0.10%	97.37%
54.0	14.762	1.328	1282.908	0.09%	97.47%
55.0	14.184	1.292	1284.2	0.09%	97.57%
56.0	13.709	1.260	1285.46	0.09%	97.67%
57.0	13.248	1.233	1286.693	0.09%	97.76%
58.0	12.809	1.205	1287.898	0.08%	97.85%
59.0	12.370	1.177	1289.075	0.08%	97.94%
60.0	12.004	1.152	1290.227	0.08%	98.03%
61.0	11.580	1.126	1291.352	0.08%	98.12%
62.0	11.244	1.100	1292.452	0.08%	98.20%
63.0	10.900	1.077	1293.529	0.08%	98.28%
64.0	10.593	1.055	1294.583	0.07%	98.36%
65.0	10.307	1.034	1295.618	0.07%	98.44%
66.0	10.007	1.014	1296.631	0.07%	98.52%
67.0	9.729	0.992	1297.624	0.07%	98.59%
68.0	9.459	0.972	1298.596	0.07%	98.67%
69.0	9.203	0.952	1299.548	0.07%	98.74%
70.0	9.005	0.935	1300.483	0.07%	98.81%
71.0	8.808	0.921	1301.403	0.06%	98.88%
72.0	8.632	0.907	1302.31	0.06%	98.95%
73.0	8.457	0.894	1303.204	0.06%	99.02%
74.0	8.274	0.880	1304.083	0.06%	99.08%
75.0	8.076	0.864	1304.947	0.06%	99.15%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	7.901	0.848	1305.795	0.06%	99.21%
77.0	7.718	0.833	1306.628	0.06%	99.28%
78.0	7.549	0.817	1307.445	0.06%	99.34%
79.0	7.396	0.803	1308.248	0.06%	99.40%
80.0	7.235	0.789	1309.037	0.06%	99.46%
81.0	7.089	0.775	1309.812	0.05%	99.52%
82.0	6.950	0.761	1310.573	0.05%	99.58%
83.0	6.803	0.748	1311.321	0.05%	99.63%
84.0	6.672	0.734	1312.055	0.05%	99.69%
85.0	6.547	0.721	1312.776	0.05%	99.74%
86.0	6.401	0.708	1313.484	0.05%	99.80%
87.0	6.240	0.692	1314.176	0.05%	99.85%
88.0	6.094	0.676	1314.851	0.05%	99.90%
89.0	5.955	0.660	1315.512	0.05%	99.95%
90.0	5.830	0.646	1316.158	0.05%	100.00%

Zonal flux distribution table

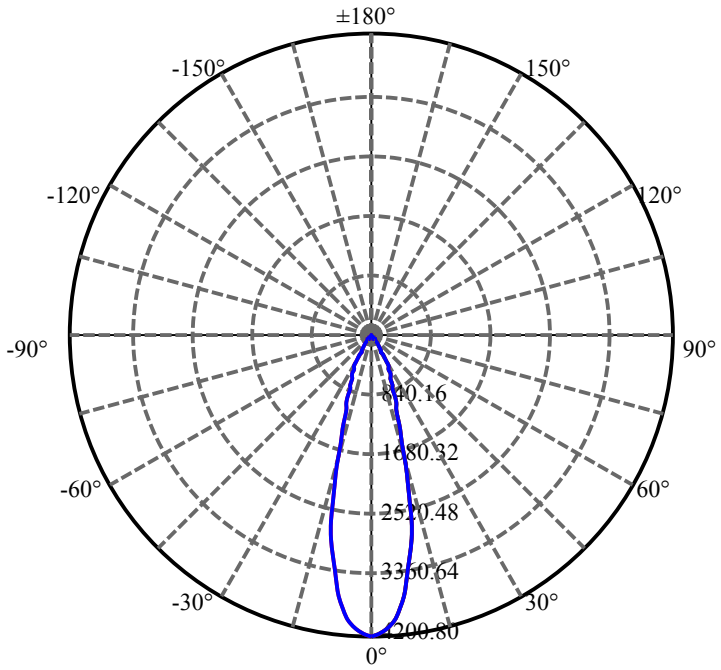
ZONAL LUMEN SUMMARY

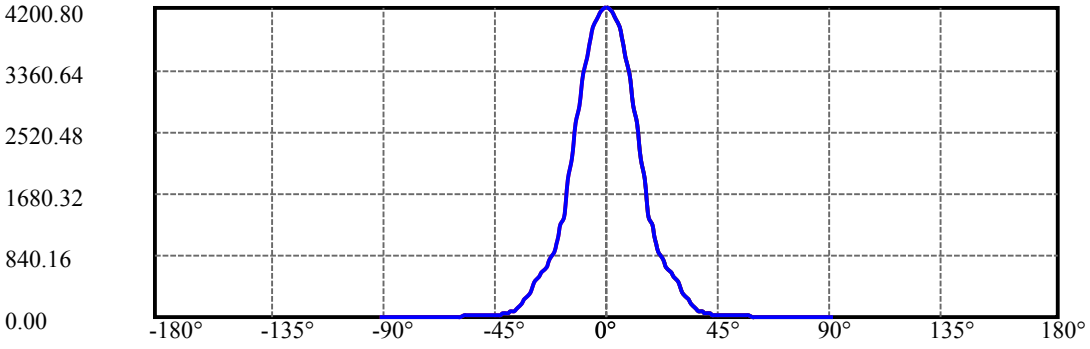
Zone	Lumens	%Lamp	%Fixt
0-30	1154.05	80.65%	87.68%
0-40	1256.20	87.79%	95.44%
0-60	1290.23	90.16%	98.03%
0-90	1315.51	91.93%	99.95%
0-120	1315.51	91.93%	99.95%
0-180	1316.16	91.97%	100.00%
60-90	25.29	1.77%	1.92%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-25.95	1052.93	73.58%	80.00%

ZONAL LUMEN SUMMARY

0-10	349.34
10-20	512.16
20-30	292.55
30-40	102.15
40-50	21.12
50-60	12.90
60-70	10.26
70-80	8.55
80-90	6.47
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:

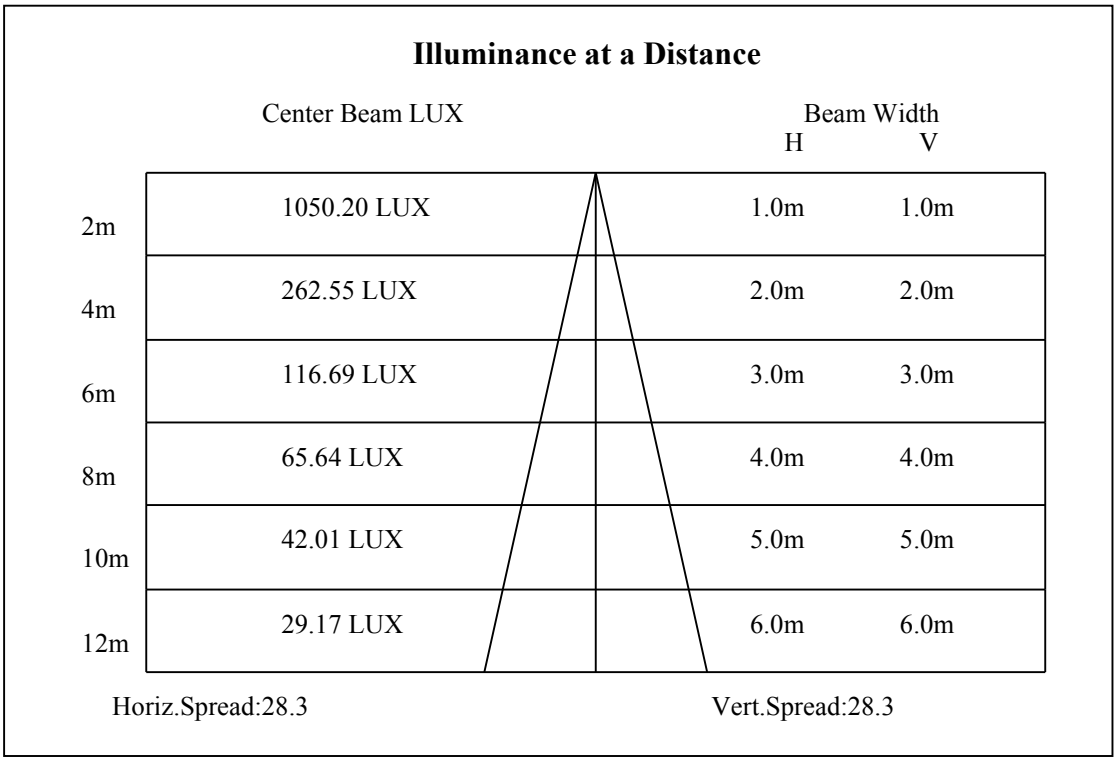
C90/C270:

Field angle(10%Imax):C0/180Left:29.2 Right:29.2
:C90/270Left:29.2 Right:29.2

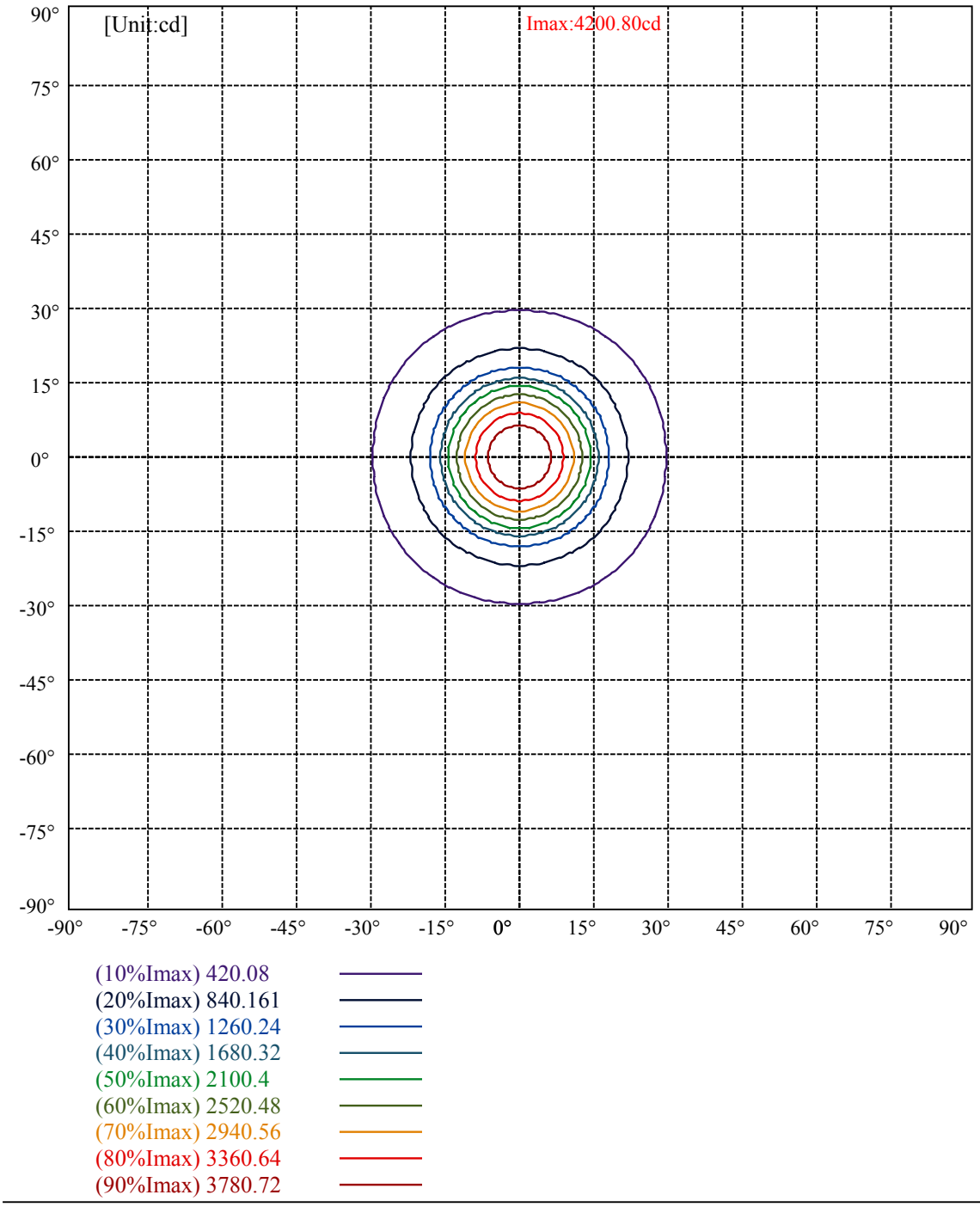
Beam Angle(50%Imax):C0/180Left:14.1 Right:14.1
:C90/270Left:14.1 Right:14.1

Equipment: GMS1980	Date: 2024/8/01	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65

Lux distance Curve



ISO-Intensity(V-H)

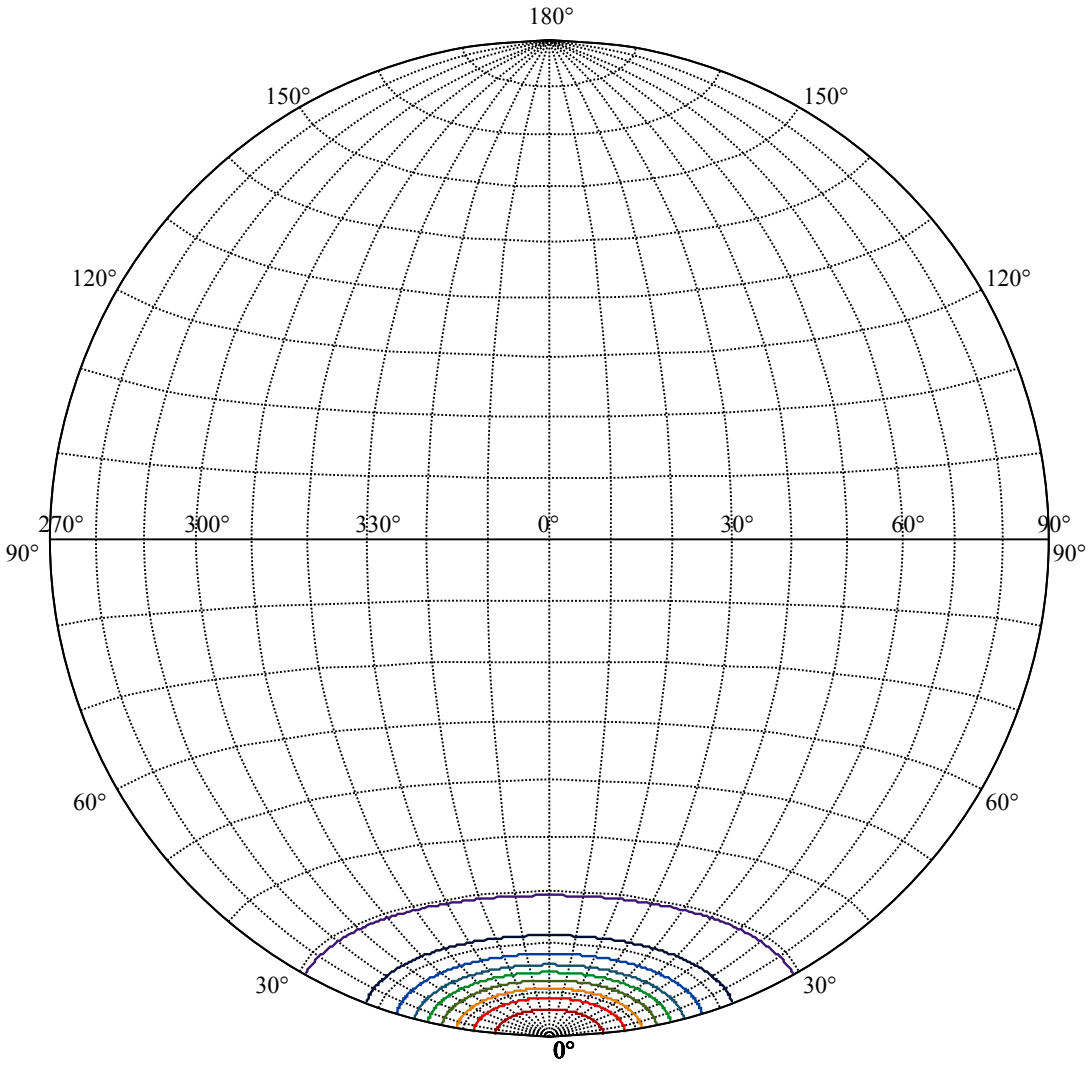


Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/8/01
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

ISO candela diagram on circular web



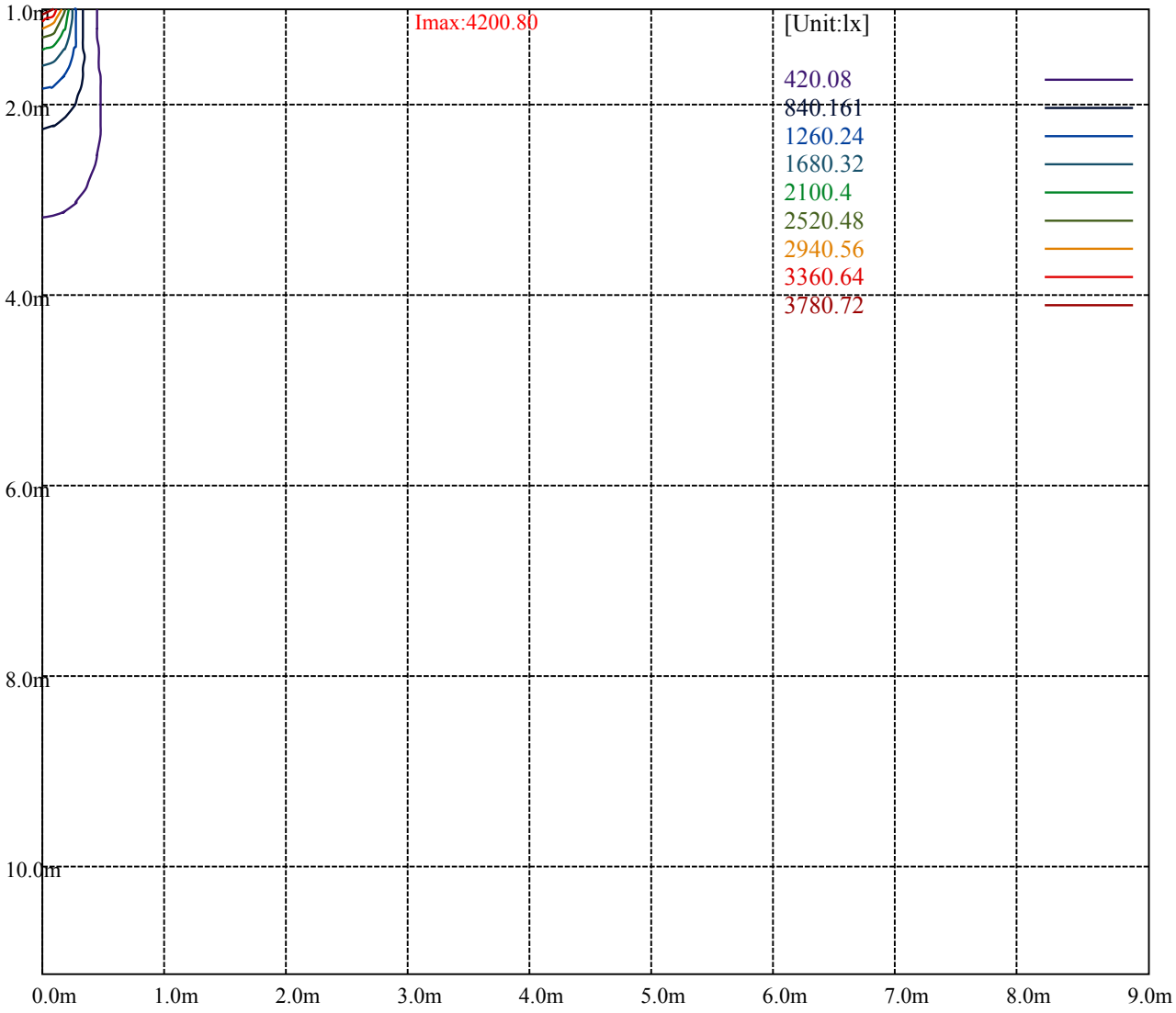
House [Unit:cd] Road

Imax:4200.80

(10%Imax) 420.08
(20%Imax) 840.161
(30%Imax) 1260.24
(40%Imax) 1680.32
(50%Imax) 2100.4
(60%Imax) 2520.48
(70%Imax) 2940.56
(80%Imax) 3360.64
(90%Imax) 3780.72

Equipment: GMS1980	Date: 2024/8/01	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/8/01
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

Luminance Limitting Curve(no luminous side)

Luminance Table

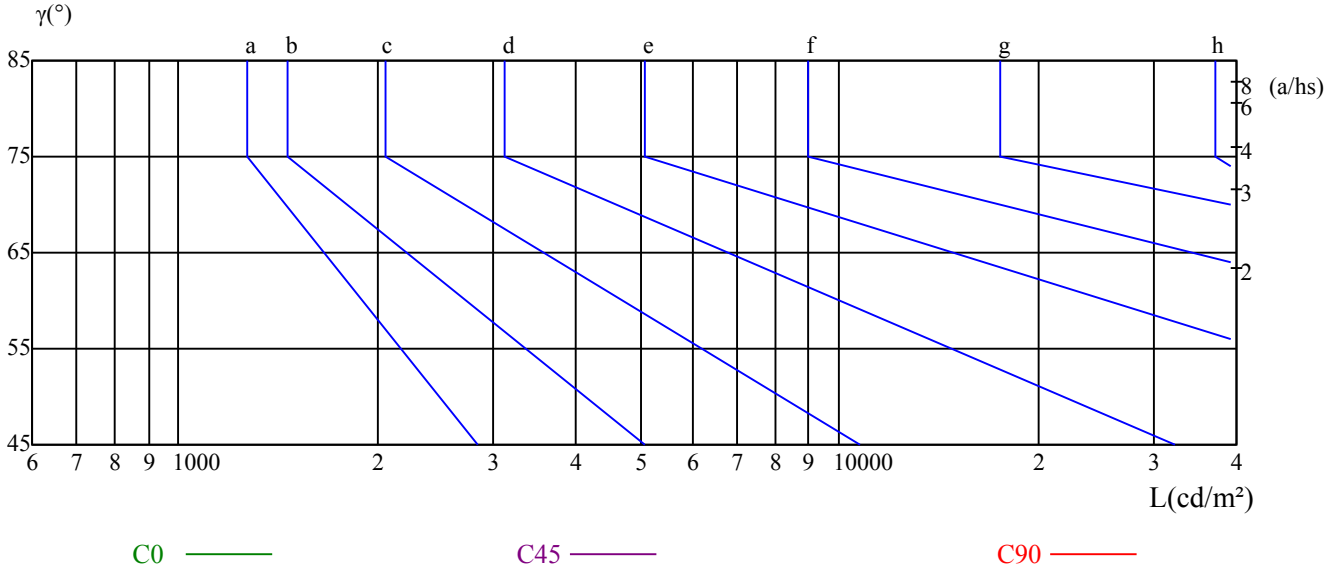
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

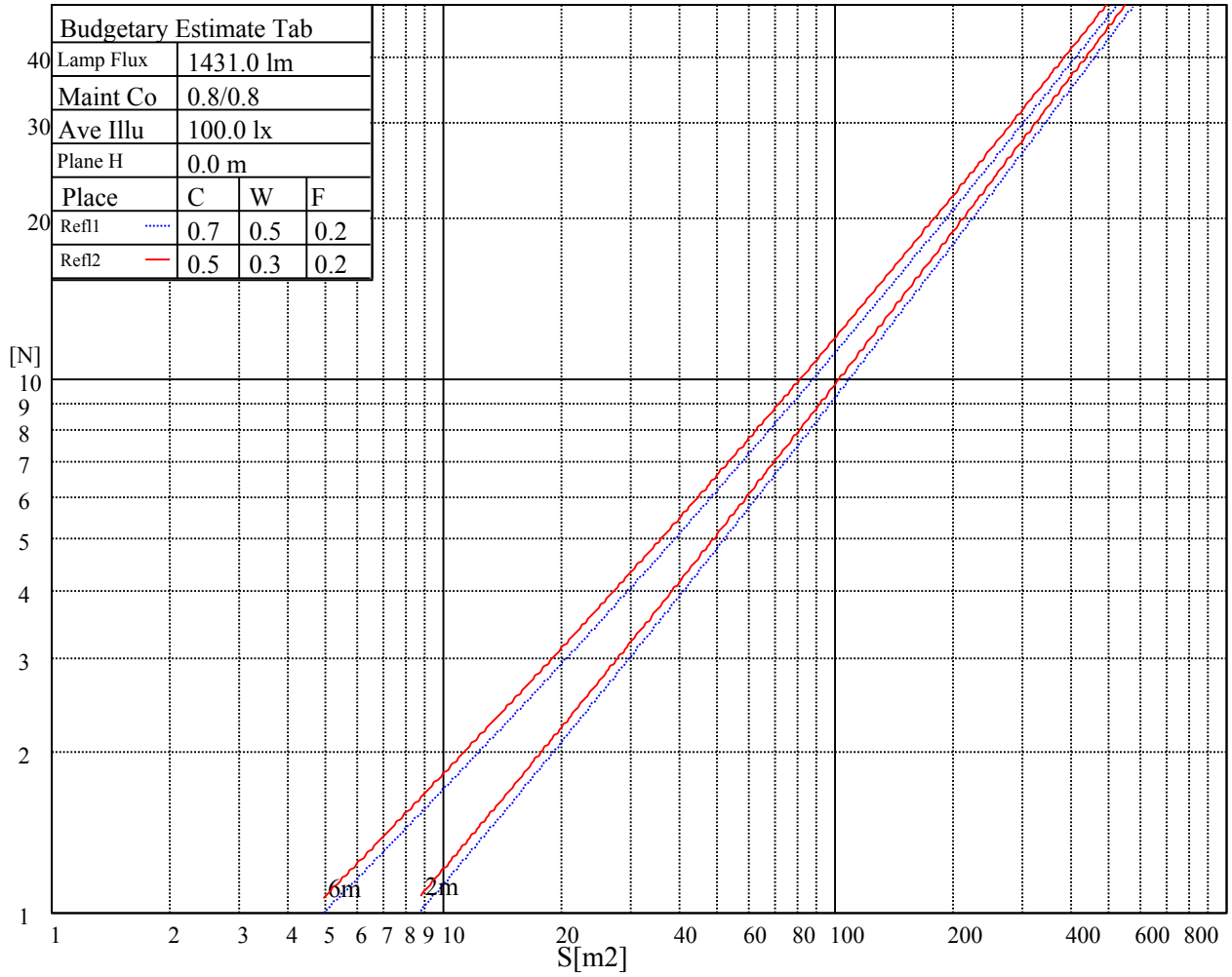
Luminance Limitting Curve



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

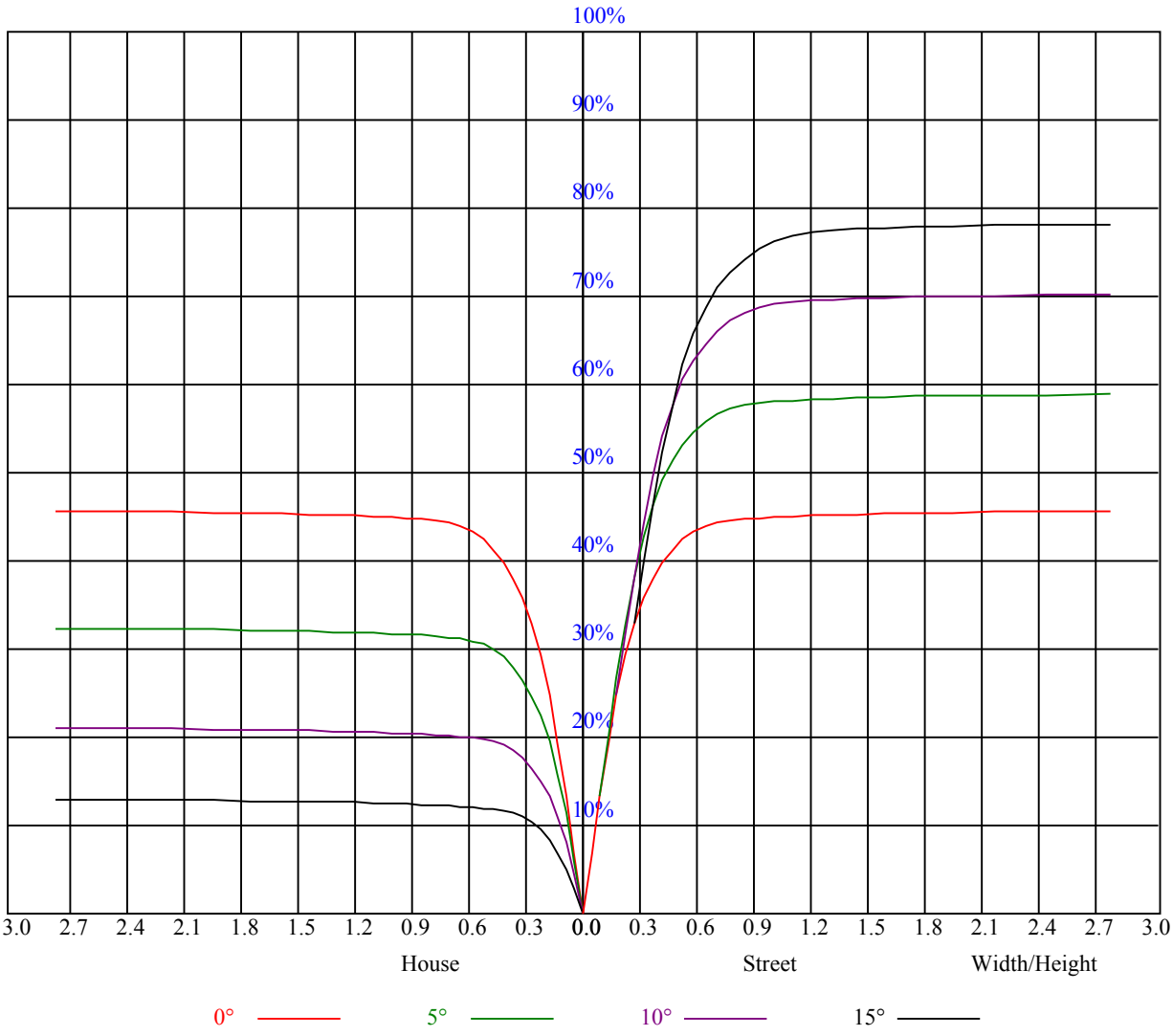


Equipment: GMS1980 Date: 2024/8/01 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

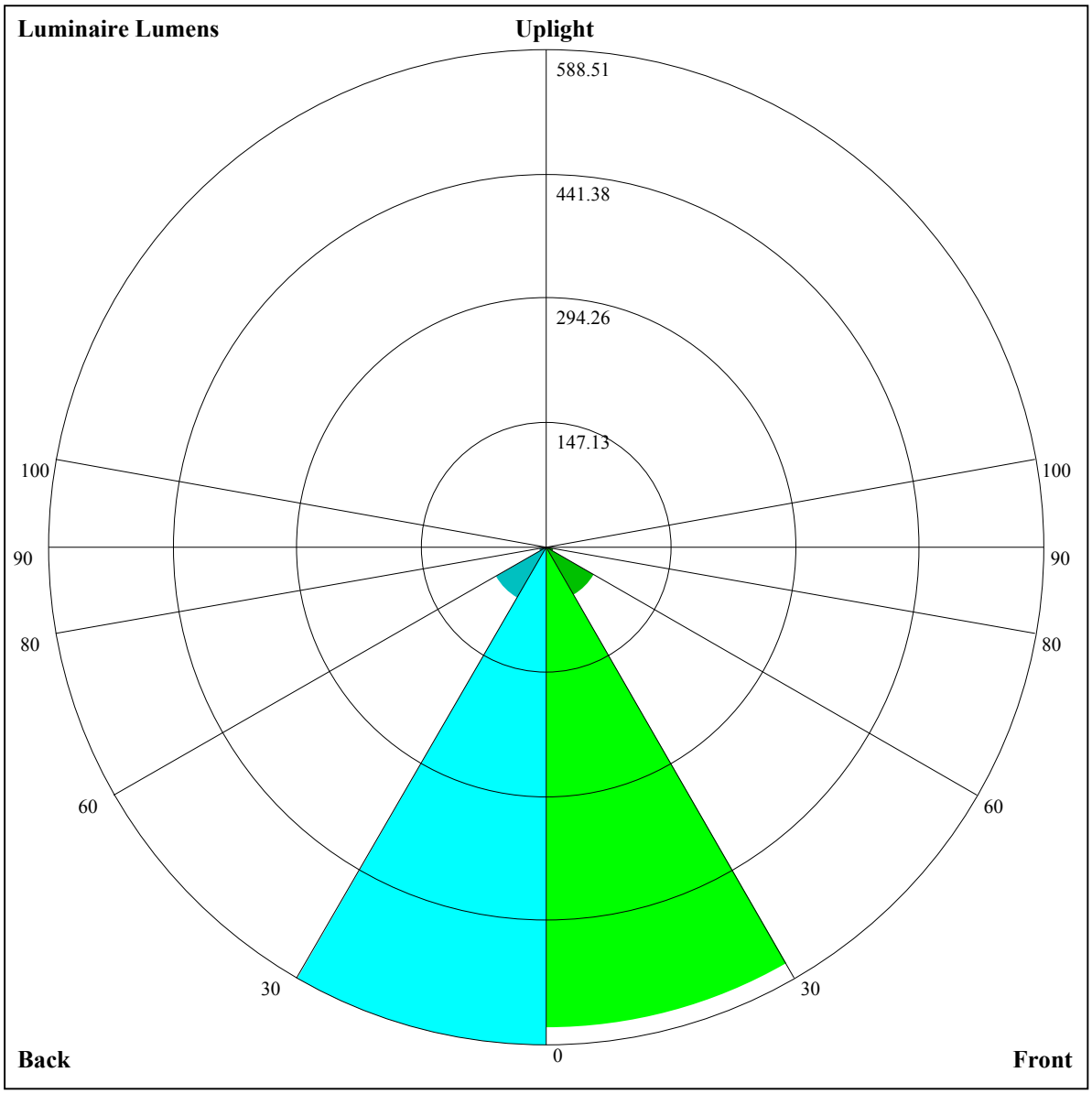
Utilization factor table for indoor luminaire

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	1.03	1.01	0.99	1.01	0.99	0.97	0.97	0.96	0.94	0.94	0.93	0.91	0.91	0.90	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	0.88	0.83	0.80	0.87	0.83	0.80	0.85	0.81	0.79	0.83	0.80	0.78	0.81	0.79	0.77	0.76
5	0.84	0.79	0.76	0.83	0.79	0.76	0.81	0.78	0.75	0.80	0.77	0.74	0.78	0.76	0.74	0.73
6	0.80	0.76	0.72	0.79	0.75	0.72	0.78	0.74	0.72	0.77	0.74	0.71	0.76	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	0.69	0.66	0.73	0.69	0.66	0.72	0.69	0.66	0.72	0.68	0.66	0.71	0.68	0.66	0.64
9	0.71	0.67	0.64	0.71	0.67	0.64	0.70	0.66	0.64	0.69	0.66	0.63	0.69	0.65	0.63	0.62
10	0.69	0.64	0.62	0.68	0.64	0.61	0.68	0.64	0.61	0.67	0.64	0.61	0.66	0.63	0.61	0.60

Coefficient Utilization Curve



Equipment: GMS1980	Date: 2024/8/01	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65



Luminaire Lumens:
FL=567.81,FM=66.51,FH=9.4,FVH=3.52
BL=588.51,BM=69.89,BH=9.33,BVH=3.57
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	4192.61	4153.99	4107.75	4041.62	3927.50	3764.81	3606.80	3442.35	3255.08
45.0	4201.39	4193.78	4178.57	4154.57	4118.29	4060.35	3960.28	3818.65	3682.29
90.0	4206.07	4183.25	4153.40	4137.01	4070.88	3985.44	3888.29	3761.30	3620.85
135.0	4203.14	4209.00	4178.57	4151.06	4096.63	4033.43	3941.55	3799.34	3647.18
180.0	4192.61	4195.54	4165.69	4108.92	4060.35	3976.66	3872.49	3750.18	3605.04
225.0	4201.39	4170.37	4115.36	4070.88	4006.51	3912.87	3798.17	3623.77	3465.18
270.0	4206.07	4216.02	4189.68	4128.82	4072.05	4000.66	3868.40	3741.99	3599.19
315.0	4203.14	4180.32	4106.00	4021.72	3917.55	3775.34	3620.26	3402.56	3212.36
360.0	4192.61	4153.99	4107.75	4041.62	3927.50	3764.81	3606.80	3442.35	3255.08

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	3016.31	2803.87	2576.22	2344.47	2057.12	1833.57	1626.40	1154.88	1154.88
45.0	3520.19	3353.40	3098.82	2887.56	2654.64	2352.08	2110.38	1823.62	1611.18
90.0	3391.44	3197.14	2977.68	2682.14	2431.08	2127.94	1887.99	1665.61	1162.78
135.0	3488.00	3311.85	3116.38	2843.67	2624.79	2390.70	2096.92	1866.34	1597.14
180.0	3395.53	3218.21	3016.31	2793.92	2503.65	2269.56	2037.23	1748.13	1538.03
225.0	3280.83	3065.47	2774.61	2531.74	2284.19	2049.52	1768.02	1555.59	1150.14
270.0	3398.46	3198.90	2991.14	2763.49	2472.63	2235.62	1991.58	1763.34	1492.38
315.0	3006.36	2786.90	2513.01	2291.80	2019.67	1802.55	1602.99	1150.73	1150.73
360.0	3016.31	2803.87	2576.22	2344.47	2057.12	1833.57	1626.40	1154.88	1154.88

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1127.20	1000.03	917.34	832.01	777.12	726.03	675.53	617.47	570.95
45.0	1413.96	1246.00	1078.04	968.02	881.41	810.60	738.03	687.11	637.37
90.0	1162.78	1088.11	962.34	838.92	762.14	698.82	644.45	597.69	542.56
135.0	1413.96	1256.54	1117.84	980.90	891.36	818.20	756.17	692.38	644.39
180.0	1313.89	1168.17	1040.59	942.86	842.20	778.41	723.98	675.41	622.15
225.0	1150.14	1022.21	915.99	811.24	745.11	691.50	633.15	587.86	540.98
270.0	1306.28	1114.33	992.60	894.87	796.55	739.78	681.85	637.95	581.77
315.0	1088.75	967.67	880.06	813.81	758.98	695.72	652.47	610.04	564.68
360.0	1127.20	1000.03	917.34	832.01	777.12	726.03	675.53	617.47	570.95

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	521.90	470.11	404.98	352.66	301.45	253.23	199.68	161.52	121.02
45.0	572.99	527.35	477.02	413.23	359.39	306.13	306.13	198.10	159.24
90.0	502.42	445.77	397.43	347.86	285.12	239.12	198.51	162.69	123.48
135.0	600.50	546.07	496.91	444.83	379.28	326.61	301.45	301.45	177.97
180.0	578.26	534.37	474.68	424.93	371.09	304.96	304.96	245.09	160.41
225.0	482.46	433.94	381.33	327.26	264.76	219.75	179.96	145.08	108.91
270.0	534.95	488.72	437.81	372.26	320.18	295.01	295.01	170.71	137.12
315.0	509.79	458.47	404.51	335.28	284.65	236.55	185.34	150.52	120.85
360.0	521.90	470.11	404.98	352.66	301.45	253.23	199.68	161.52	121.02

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	95.57	76.25	58.46	48.28	41.20	35.64	30.67	27.86	25.46
45.0	118.98	94.10	74.67	60.04	47.70	40.97	35.93	31.95	28.56
90.0	98.20	78.30	63.56	51.03	44.54	39.33	34.53	31.72	29.20
135.0	143.67	107.86	86.09	69.17	56.94	46.35	40.61	36.28	33.07
180.0	128.16	101.60	76.25	61.33	50.68	43.01	36.64	32.95	30.02
225.0	86.26	65.60	54.13	46.00	38.92	34.76	31.37	28.68	25.69
270.0	103.06	81.52	65.37	51.56	43.83	38.27	34.00	29.79	27.10
315.0	91.00	73.50	60.51	50.80	42.08	36.99	33.24	30.20	26.98
360.0	95.57	76.25	58.46	48.28	41.20	35.64	30.67	27.86	25.46

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	23.58	21.65	20.48	19.43	18.43	17.73	17.09	16.62	16.27
45.0	26.28	24.35	22.41	21.19	19.90	19.02	18.26	17.73	17.21
90.0	26.45	24.52	22.53	21.13	19.90	18.79	17.73	16.68	16.04
135.0	29.67	27.33	25.28	23.00	21.48	19.78	18.55	17.50	16.44
180.0	27.56	24.93	23.06	21.42	19.66	18.43	17.15	16.21	15.39
225.0	23.76	22.00	20.42	18.67	17.50	16.39	15.22	14.46	13.81
270.0	24.81	22.41	20.72	19.14	17.85	16.39	15.39	14.51	13.64
315.0	24.76	22.88	20.83	19.37	17.85	16.80	15.80	14.98	14.10
360.0	23.58	21.65	20.48	19.43	18.43	17.73	17.09	16.62	16.27

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	15.92	15.33	14.98	14.57	14.16	13.52	13.05	12.58	12.17
45.0	16.80	16.50	16.21	15.80	15.33	14.81	14.34	13.52	12.93
90.0	15.39	14.81	14.28	13.75	13.23	12.70	12.29	11.76	11.41
135.0	15.74	15.04	14.46	13.93	13.28	12.87	12.47	12.06	11.65
180.0	14.69	13.93	13.40	12.93	12.52	12.11	11.82	11.53	11.24
225.0	13.05	12.58	12.11	11.65	11.29	11.00	10.71	10.36	10.12
270.0	12.99	12.35	11.94	11.47	11.12	10.77	10.48	10.30	10.07
315.0	13.52	12.93	12.29	11.88	11.53	11.18	10.89	10.53	10.36
360.0	15.92	15.33	14.98	14.57	14.16	13.52	13.05	12.58	12.17

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	11.65	11.29	10.83	10.48	10.12	9.77	9.48	9.31	9.07
45.0	12.29	11.76	11.29	10.71	10.24	9.83	9.48	9.13	8.90
90.0	11.12	10.71	10.42	10.12	9.83	9.42	9.19	8.95	8.78
135.0	11.35	11.00	10.71	10.42	10.07	9.83	9.48	9.25	8.95
180.0	10.94	10.77	10.53	10.30	10.18	9.95	9.71	9.60	9.42
225.0	9.95	9.71	9.48	9.25	9.01	8.84	8.72	8.54	8.43
270.0	9.83	9.66	9.54	9.42	9.19	9.07	8.84	8.72	8.54
315.0	10.07	9.83	9.66	9.36	9.19	8.95	8.72	8.54	8.37
360.0	11.65	11.29	10.83	10.48	10.12	9.77	9.48	9.31	9.07

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	8.90	8.66	8.54	8.31	8.13	7.96	7.78	7.61	7.43
45.0	8.72	8.54	8.31	8.13	8.02	7.78	7.61	7.43	7.26
90.0	8.54	8.43	8.19	8.02	7.84	7.61	7.43	7.32	7.14
135.0	8.84	8.60	8.43	8.19	8.02	7.84	7.67	7.49	7.32
180.0	9.25	9.07	8.90	8.66	8.49	8.31	8.13	7.96	7.84
225.0	8.25	8.08	7.90	7.72	7.55	7.37	7.20	7.08	6.96
270.0	8.37	8.25	8.08	7.90	7.67	7.55	7.37	7.26	7.02
315.0	8.19	8.02	7.84	7.67	7.49	7.32	7.20	7.02	6.91
360.0	8.90	8.66	8.54	8.31	8.13	7.96	7.78	7.61	7.43

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	7.26	7.14	6.96	6.85	6.73	6.55	6.26	6.09	5.91
45.0	7.14	6.96	6.85	6.67	6.55	6.44	6.32	6.14	5.97
90.0	6.96	6.85	6.73	6.55	6.44	6.26	6.14	5.97	5.85
135.0	7.20	7.02	6.91	6.73	6.61	6.50	6.32	6.20	6.09
180.0	7.67	7.49	7.37	7.26	7.08	6.91	6.73	6.55	6.38
225.0	6.79	6.67	6.50	6.38	6.32	6.14	6.03	5.97	5.79
270.0	6.91	6.79	6.61	6.50	6.38	6.20	6.09	5.97	5.85
315.0	6.79	6.67	6.50	6.44	6.26	6.20	6.03	5.85	5.79
360.0	7.26	7.14	6.96	6.85	6.73	6.55	6.26	6.09	5.91

Intensity data(cd)

C/γ(°)	90.0
0.0	5.79
45.0	5.85
90.0	5.74
135.0	5.91
180.0	6.14
225.0	5.74
270.0	5.74
315.0	5.74
360.0	5.79