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NT

Client:
LumCAT: 1-1282-L
Luminaire: 92.70.410.00
Report No: 2024802-B007
Ballast type: AC

Test No: 2024802-C007	Voltage(V): 34.860
LampCAT: Fortimo_SLM_C_1204	Current(A): 0.321
Lamp flux(lm): 1868.0	Power (W): 11.190
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 1709.22, Efficiency(%): 91.50% , Luminous Efficacy(lm/W): 152.75
Central intensity(cd): 7510.104, Maximum intensity(cd): 7510.104
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=21.0
[C90/270]Total=21.0
Field angle(10%Imax): [C0/180]Total=51.2
[C90/270]Total=51.2
Maximum s/h(1/2): C0_180=0.36 C90_270=0.36
Maximum s/h(1/4): C0_180=0.39 C90_270=0.39
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 91.50%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 98.035%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	7510.105	0.000	0	0.00%	0.00%
1.0	7475.869	7.171	7.171	0.38%	0.42%
2.0	7353.996	21.285	28.456	1.14%	1.66%
3.0	7164.529	34.724	63.179	1.86%	3.70%
4.0	6867.089	46.968	110.148	2.51%	6.44%
5.0	6501.543	57.511	167.659	3.08%	9.81%
6.0	6049.529	65.959	233.618	3.53%	13.67%
7.0	5555.234	72.031	305.649	3.86%	17.88%
8.0	5023.191	75.708	381.356	4.05%	22.31%
9.0	4496.781	77.154	458.511	4.13%	26.83%
10.0	3978.638	76.699	535.21	4.11%	31.31%
11.0	3527.356	75.000	610.21	4.02%	35.70%
12.0	3108.701	72.542	682.752	3.88%	39.95%
13.0	2720.696	69.180	751.932	3.70%	43.99%
14.0	2423.036	65.839	817.771	3.52%	47.84%
15.0	2159.246	62.908	880.679	3.37%	51.53%
16.0	1924.351	59.836	940.515	3.20%	55.03%
17.0	1734.812	56.983	997.498	3.05%	58.36%
18.0	1552.273	54.197	1051.695	2.90%	61.53%
19.0	1385.718	51.115	1102.81	2.74%	64.52%
20.0	1267.532	48.562	1151.372	2.60%	67.36%
21.0	1180.926	47.015	1198.387	2.52%	70.11%
22.0	1084.634	45.527	1243.915	2.44%	72.78%
23.0	985.994	43.447	1287.362	2.33%	75.32%
24.0	894.085	41.105	1328.467	2.20%	77.72%
25.0	803.353	38.596	1367.063	2.07%	79.98%
26.0	715.467	35.852	1402.915	1.92%	82.08%
27.0	632.028	32.967	1435.882	1.76%	84.01%
28.0	552.204	29.982	1465.864	1.61%	85.76%
29.0	478.217	26.959	1492.823	1.44%	87.34%
30.0	409.116	23.958	1516.781	1.28%	88.74%
31.0	345.978	21.013	1537.794	1.12%	89.97%
32.0	293.915	18.332	1556.126	0.98%	91.04%
33.0	255.831	16.196	1572.322	0.87%	91.99%
34.0	218.552	14.356	1586.678	0.77%	92.83%
35.0	183.724	12.493	1599.171	0.67%	93.56%
36.0	134.719	10.139	1609.311	0.54%	94.15%
37.0	110.966	8.013	1617.323	0.43%	94.62%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	91.376	6.754	1624.077	0.36%	95.02%
39.0	74.558	5.664	1629.741	0.30%	95.35%
40.0	62.297	4.773	1634.514	0.26%	95.63%
41.0	52.122	4.074	1638.588	0.22%	95.87%
42.0	44.302	3.503	1642.092	0.19%	96.07%
43.0	38.018	3.049	1645.141	0.16%	96.25%
44.0	33.599	2.703	1647.844	0.14%	96.41%
45.0	30.029	2.445	1650.289	0.13%	96.55%
46.0	27.286	2.241	1652.531	0.12%	96.68%
47.0	25.026	2.081	1654.611	0.11%	96.80%
48.0	23.233	1.951	1656.562	0.10%	96.92%
49.0	21.778	1.848	1658.411	0.10%	97.03%
50.0	20.615	1.767	1660.178	0.09%	97.13%
51.0	19.612	1.702	1661.88	0.09%	97.23%
52.0	18.771	1.647	1663.527	0.09%	97.33%
53.0	18.083	1.603	1665.13	0.09%	97.42%
54.0	17.520	1.569	1666.7	0.08%	97.51%
55.0	16.986	1.540	1668.24	0.08%	97.60%
56.0	16.533	1.515	1669.755	0.08%	97.69%
57.0	16.167	1.495	1671.25	0.08%	97.78%
58.0	15.808	1.479	1672.728	0.08%	97.86%
59.0	15.479	1.463	1674.191	0.08%	97.95%
60.0	15.201	1.449	1675.64	0.08%	98.04%
61.0	14.967	1.440	1677.08	0.08%	98.12%
62.0	14.704	1.430	1678.51	0.08%	98.20%
63.0	14.462	1.419	1679.928	0.08%	98.29%
64.0	14.228	1.408	1681.336	0.08%	98.37%
65.0	13.921	1.393	1682.729	0.07%	98.45%
66.0	13.585	1.372	1684.102	0.07%	98.53%
67.0	13.190	1.346	1685.448	0.07%	98.61%
68.0	12.794	1.316	1686.764	0.07%	98.69%
69.0	12.356	1.283	1688.047	0.07%	98.76%
70.0	11.953	1.248	1689.296	0.07%	98.83%
71.0	11.566	1.216	1690.511	0.07%	98.91%
72.0	11.200	1.184	1691.695	0.06%	98.97%
73.0	10.871	1.154	1692.849	0.06%	99.04%
74.0	10.578	1.128	1693.977	0.06%	99.11%
75.0	10.293	1.103	1695.079	0.06%	99.17%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	10.007	1.078	1696.157	0.06%	99.24%
77.0	9.773	1.055	1697.212	0.06%	99.30%
78.0	9.554	1.035	1698.246	0.06%	99.36%
79.0	9.320	1.014	1699.26	0.05%	99.42%
80.0	9.122	0.994	1700.255	0.05%	99.48%
81.0	8.932	0.976	1701.231	0.05%	99.53%
82.0	8.756	0.959	1702.19	0.05%	99.59%
83.0	8.559	0.941	1703.131	0.05%	99.64%
84.0	8.376	0.923	1704.054	0.05%	99.70%
85.0	8.208	0.905	1704.959	0.05%	99.75%
86.0	8.025	0.887	1705.846	0.05%	99.80%
87.0	7.842	0.868	1706.715	0.05%	99.85%
88.0	7.696	0.851	1707.566	0.05%	99.90%
89.0	7.564	0.836	1708.402	0.04%	99.95%
90.0	7.432	0.822	1709.225	0.04%	100.00%

Zonal flux distribution table

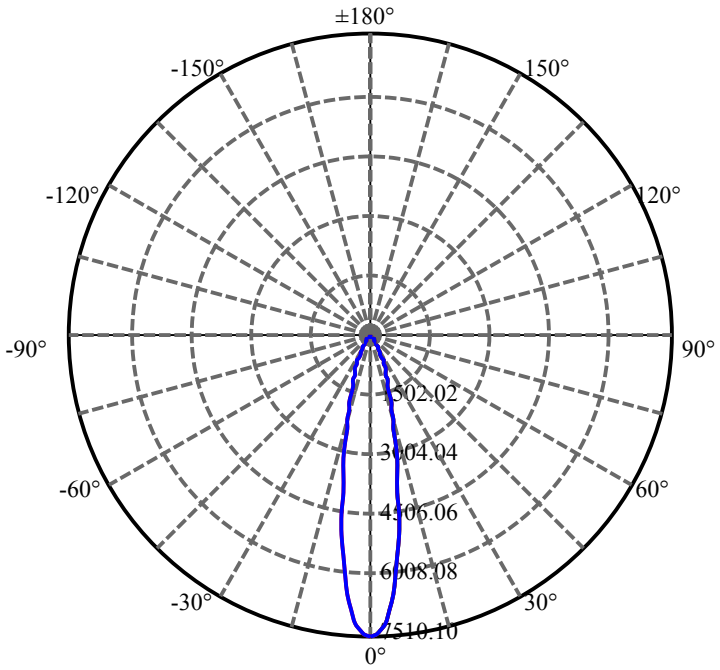
ZONAL LUMEN SUMMARY

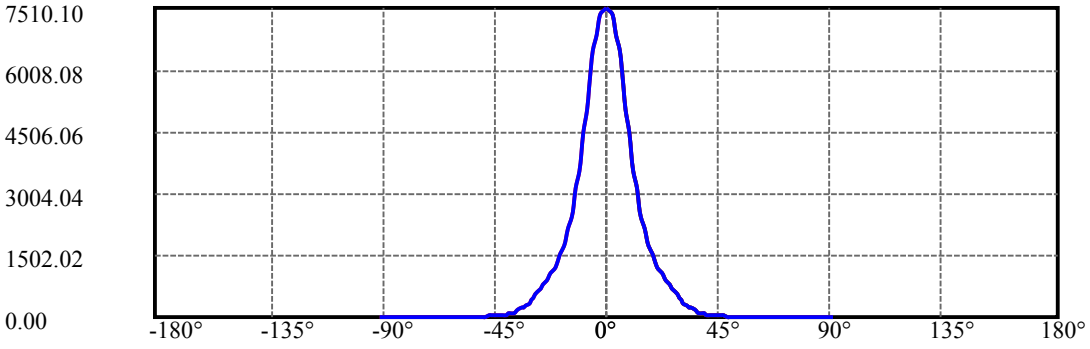
Zone	Lumens	%Lamp	%Fixt
0-30	1516.78	81.20%	88.74%
0-40	1634.51	87.50%	95.63%
0-60	1675.64	89.70%	98.04%
0-90	1708.40	91.46%	99.95%
0-120	1708.40	91.46%	99.95%
0-180	1709.22	91.50%	100.00%
60-90	32.76	1.75%	1.92%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-25.01	1367.38	73.20%	80.00%

ZONAL LUMEN SUMMARY

0-10	535.21
10-20	616.16
20-30	365.41
30-40	117.73
40-50	25.66
50-60	15.46
60-70	13.66
70-80	10.96
80-90	8.15
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):

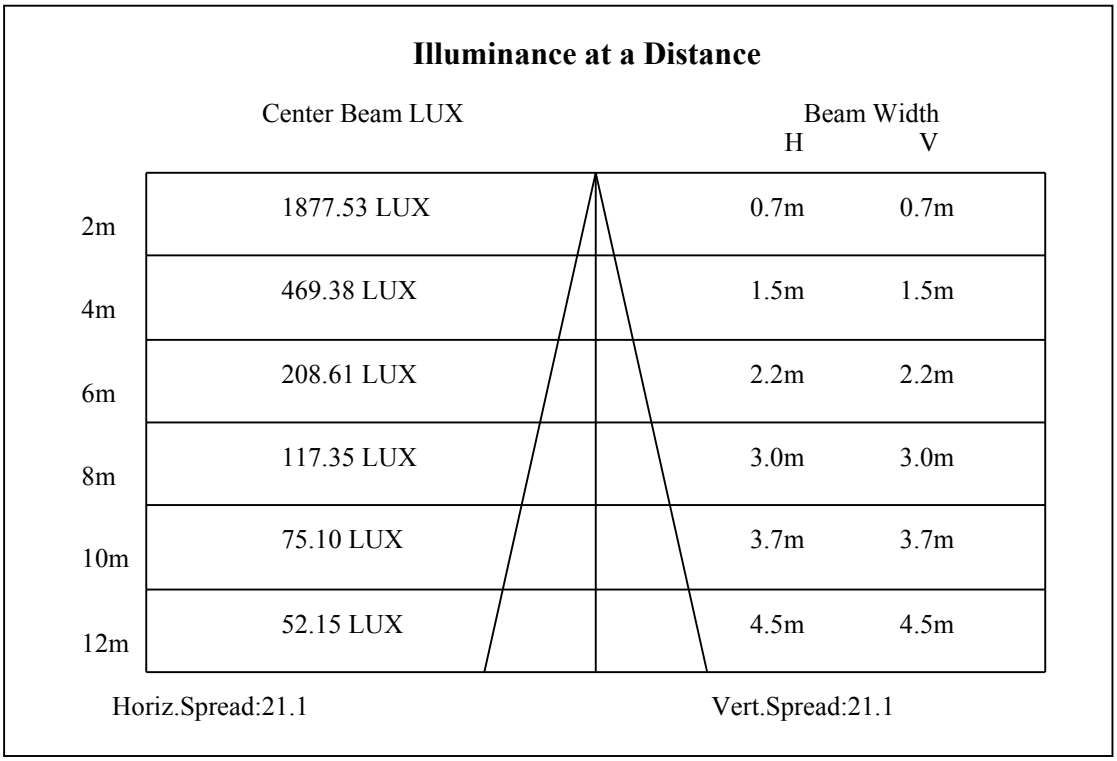
C0/C180:

C90/C270:

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

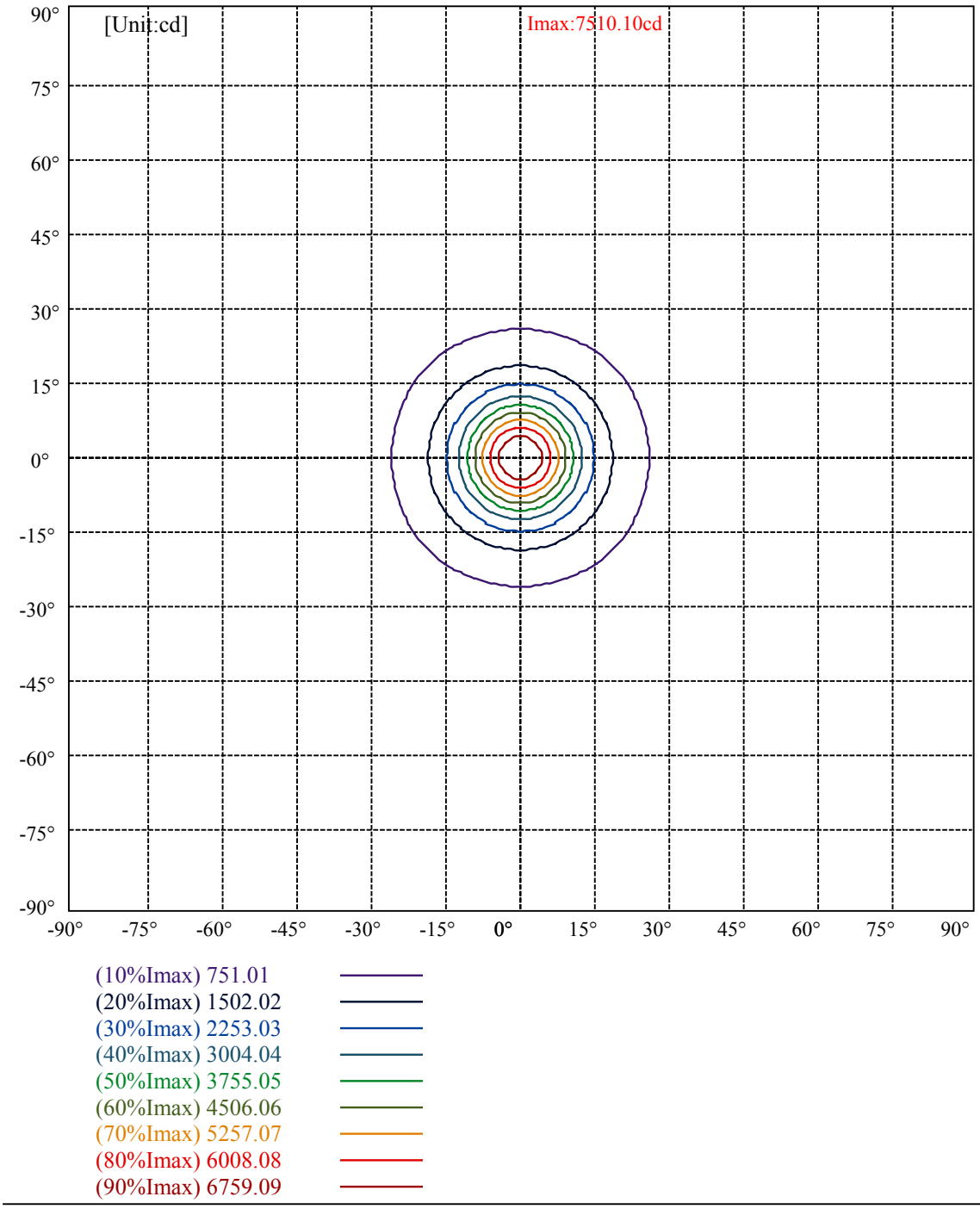
Beam Angle(50%Imax):C0/180Left:10.5 Right:10.5
:C90/270Left:10.5 Right:10.5

Lux distance Curve



Equipment: GMS1980 Date: 2024/8/02 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

ISO-Intensity(V-H)

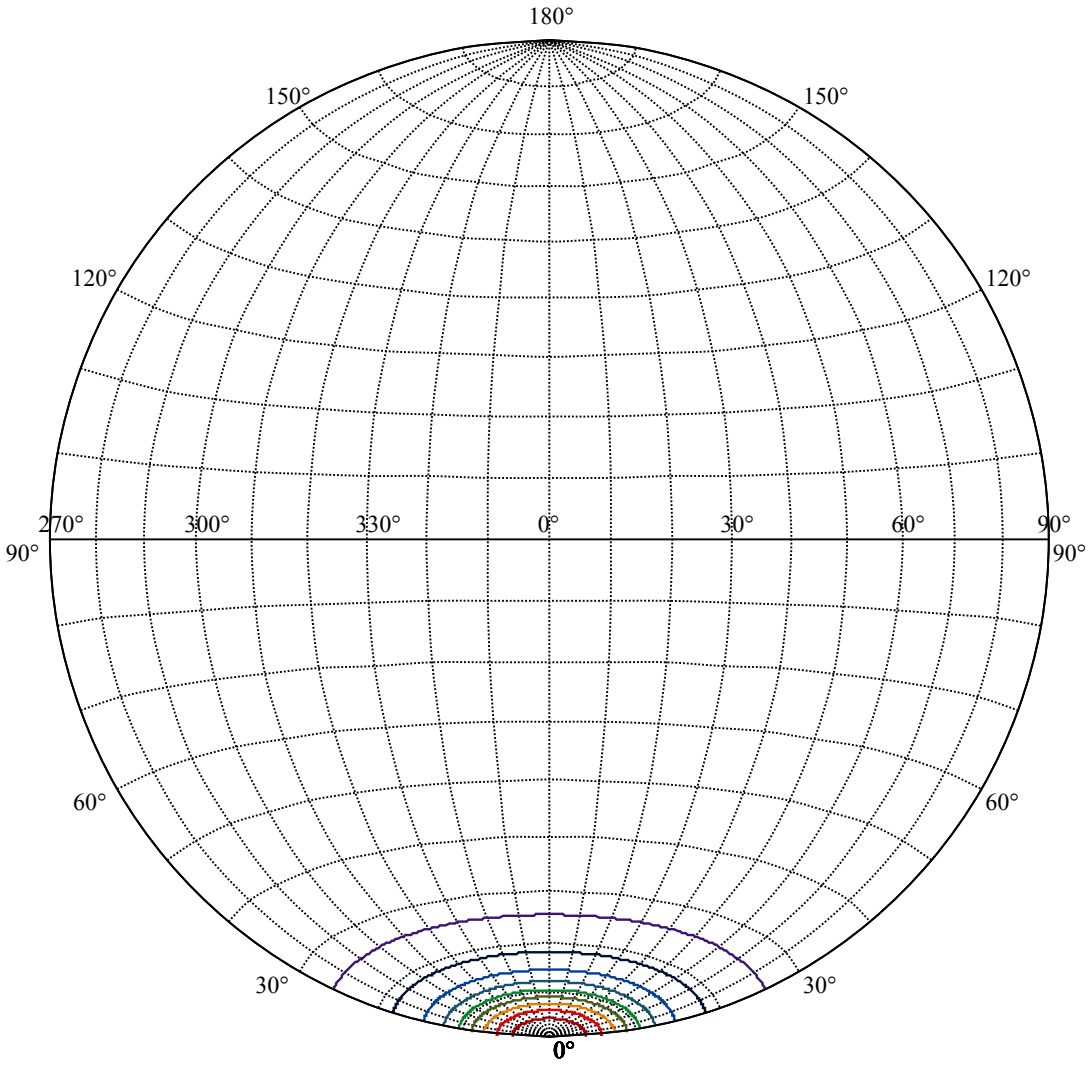


Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/8/02
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

ISO candela diagram on circular web



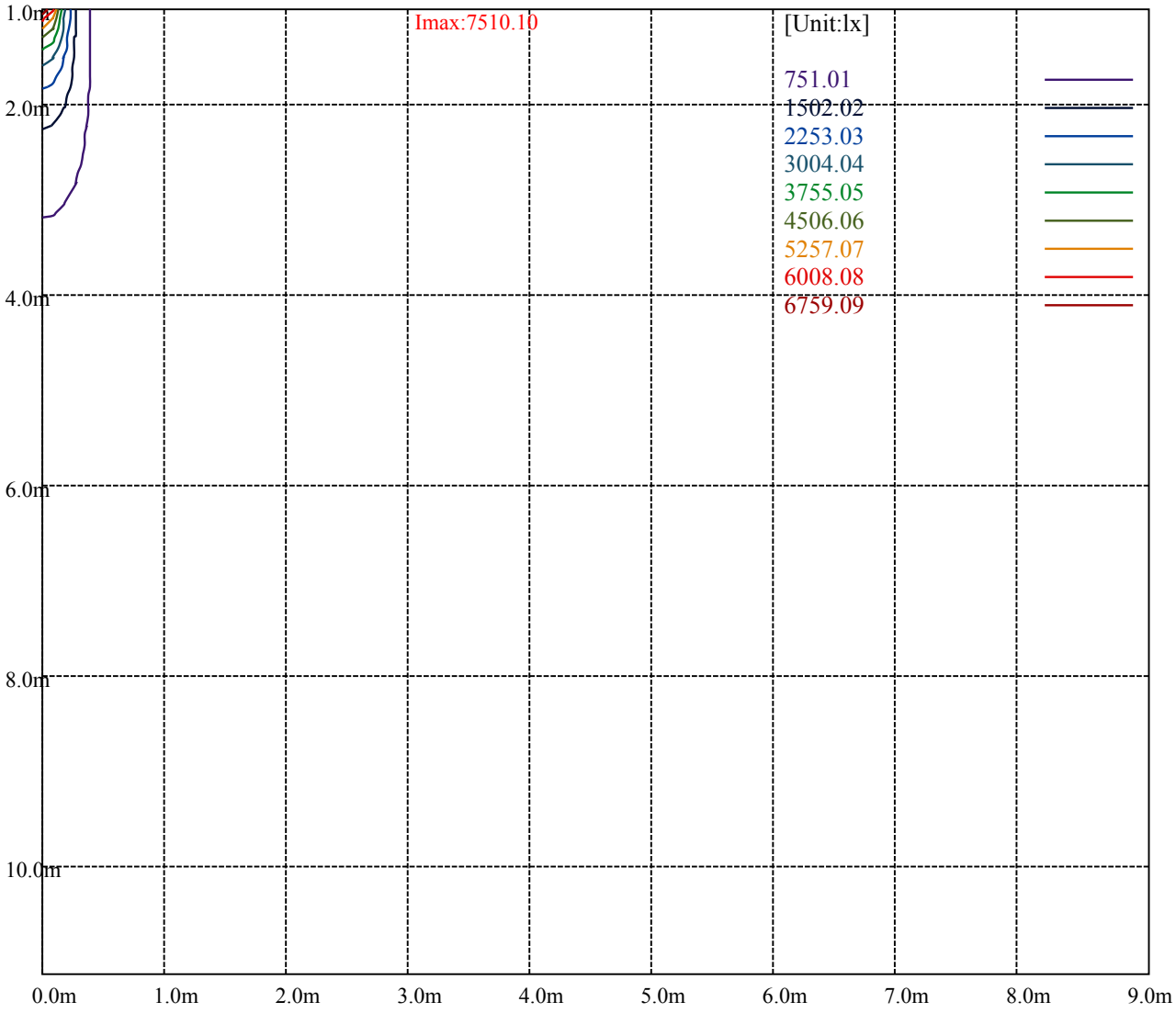
House [Unit:cd] Road

Imax:7510.10

(10%Imax) 751.01
(20%Imax) 1502.02
(30%Imax) 2253.03
(40%Imax) 3004.04
(50%Imax) 3755.05
(60%Imax) 4506.06
(70%Imax) 5257.07
(80%Imax) 6008.08
(90%Imax) 6759.09

Equipment: GMS1980 Date: 2024/8/02 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/8/02
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

NT 1-1282-L

Luminance Limitting Curve(no luminous side)

Luminance Table

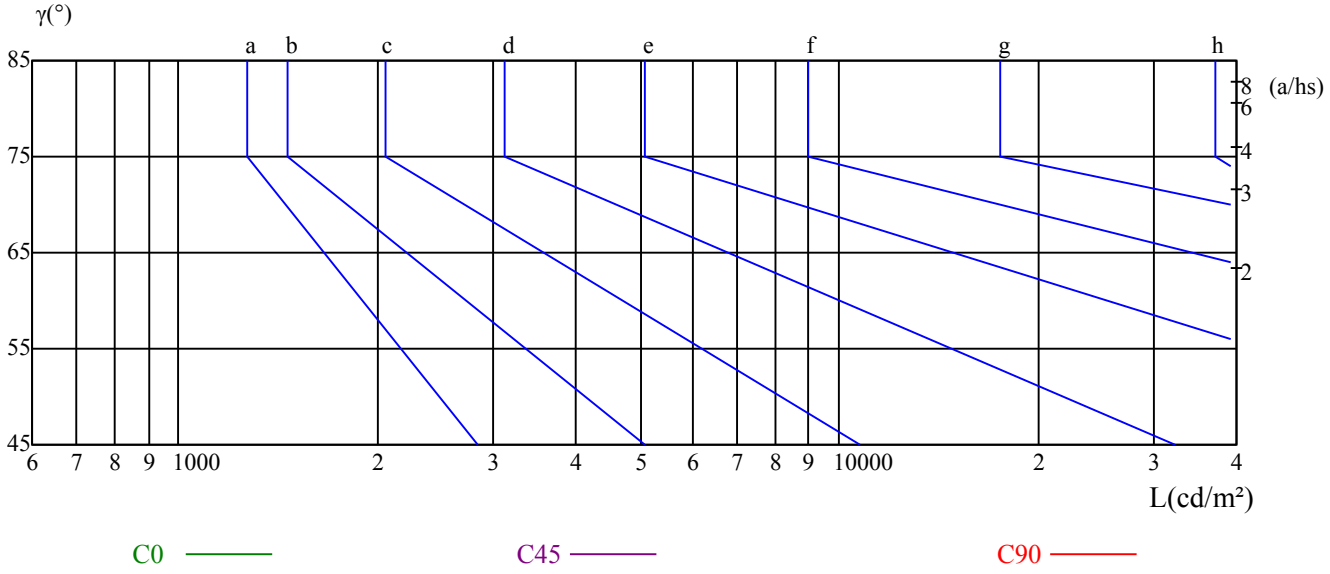
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

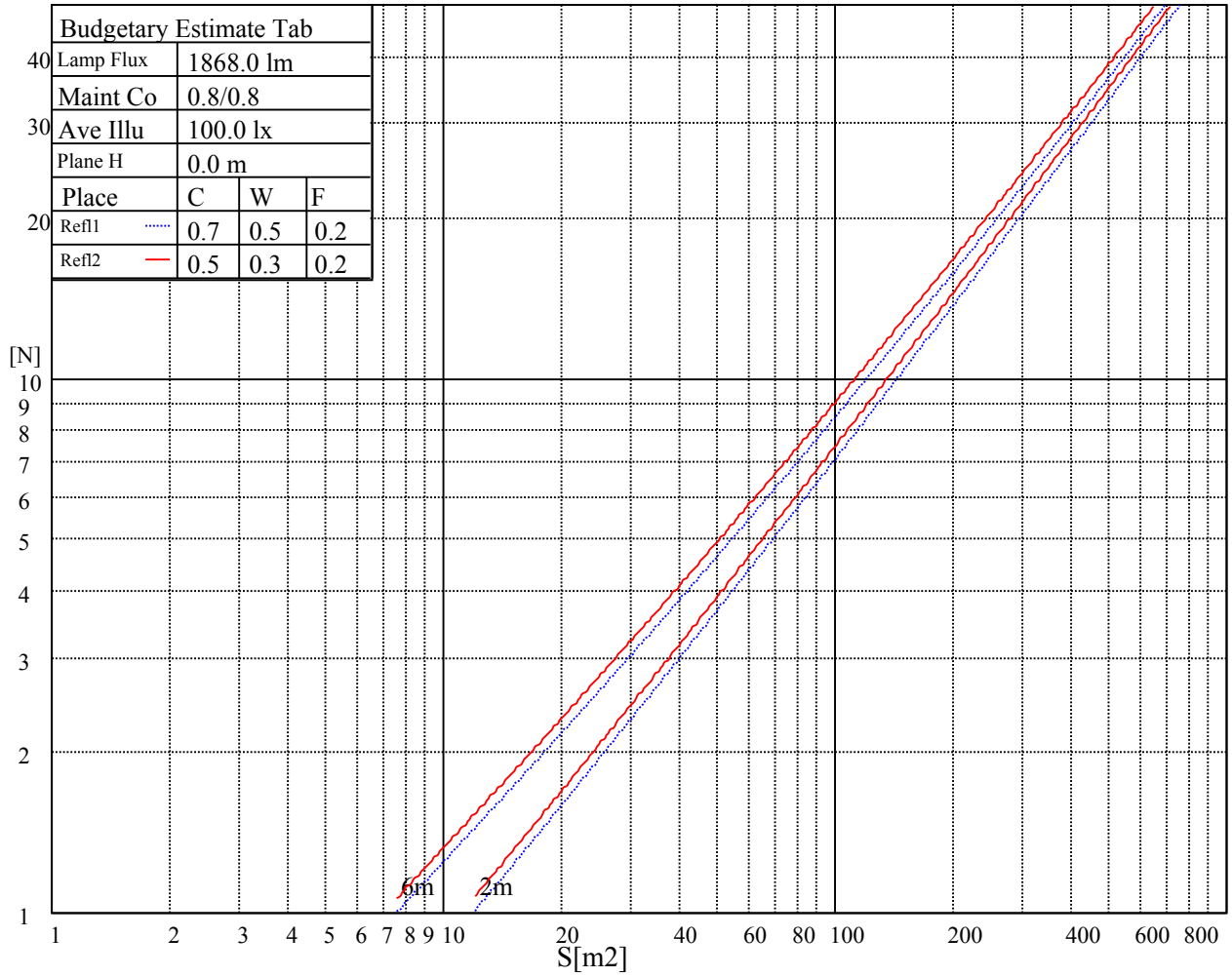
Luminance Limitting Curve



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

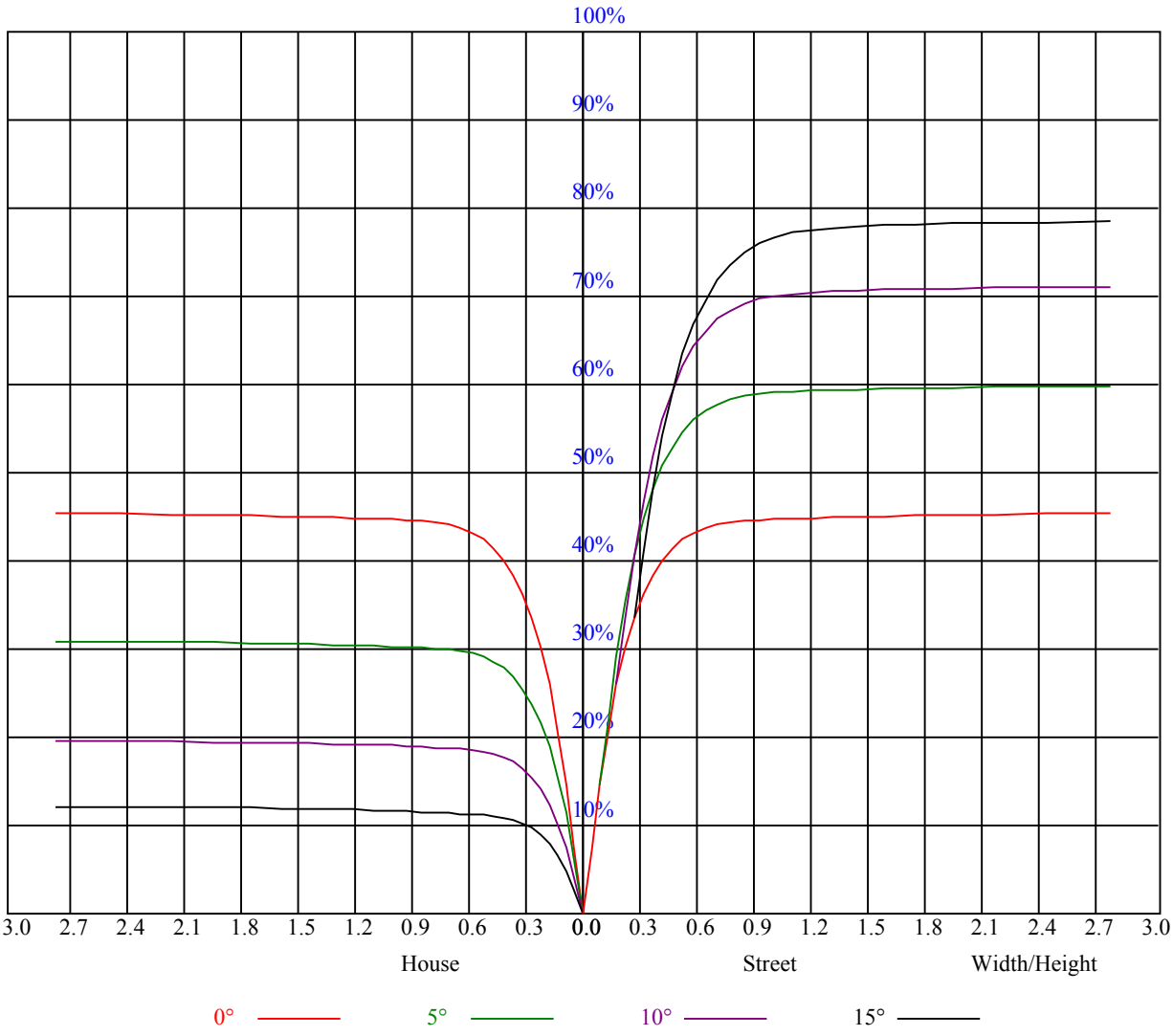


Equipment: GMS1980 Date: 2024/8/02 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

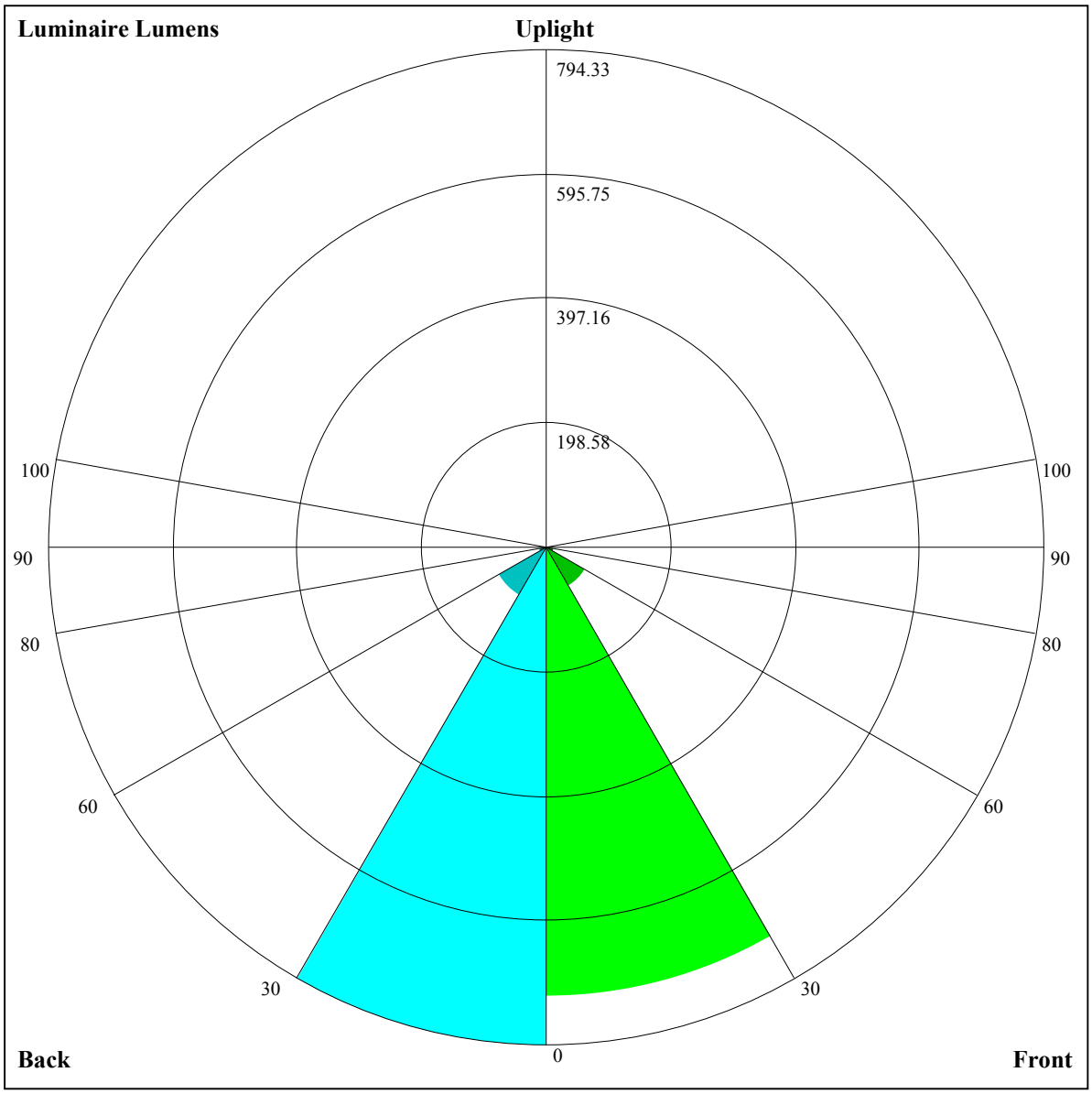
Utilization factor table for indoor luminaire

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	1.06	1.06	1.06	1.02	1.02	1.02	0.97	0.97	0.97	0.93	0.93	0.93	0.92
1	1.02	1.00	0.99	1.00	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	0.85	0.89	0.86	0.83	0.86	0.84	0.82	0.84	0.82	0.81	0.80
4	0.88	0.84	0.81	0.87	0.83	0.80	0.85	0.82	0.79	0.83	0.81	0.78	0.82	0.79	0.78	0.76
5	0.84	0.80	0.77	0.83	0.79	0.76	0.82	0.78	0.76	0.80	0.77	0.75	0.79	0.77	0.74	0.73
6	0.81	0.76	0.73	0.80	0.76	0.73	0.79	0.75	0.73	0.78	0.75	0.72	0.77	0.74	0.72	0.71
7	0.78	0.73	0.70	0.77	0.73	0.70	0.76	0.72	0.70	0.75	0.72	0.70	0.74	0.71	0.69	0.68
8	0.75	0.71	0.68	0.74	0.70	0.68	0.74	0.70	0.67	0.73	0.69	0.67	0.72	0.69	0.67	0.66
9	0.72	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	0.65	0.64
10	0.70	0.66	0.63	0.70	0.66	0.63	0.69	0.65	0.63	0.68	0.65	0.63	0.68	0.65	0.63	0.62

Coefficient Utilization Curve



Equipment: GMS1980	Date: 2024/8/02	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65



Luminaire Lumens:
FL=717.3,FM=71.85,FH=12.09,FVH=4.4
BL=794.33,BM=88.33,BH=12.45,BVH=4.53
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	7463.43	7334.10	7125.17	6858.31	6397.74	5944.19	5461.96	4953.99	4316.68
45.0	7524.88	7531.90	7438.27	7283.18	6975.94	6638.85	6240.90	5796.13	5193.93
90.0	7546.53	7506.74	7363.36	7153.26	6854.80	6504.83	5985.15	5395.25	4894.30
135.0	7505.57	7570.53	7561.75	7489.18	7279.67	7005.20	6673.38	6281.86	5743.46
180.0	7463.43	7533.07	7528.98	7440.02	7264.46	7024.51	6620.12	6216.32	5774.47
225.0	7524.88	7459.34	7293.13	7081.87	6788.67	6412.95	5848.21	5359.55	4843.38
270.0	7546.53	7521.96	7431.25	7212.96	6955.46	6623.05	6221.00	5626.41	5137.16
315.0	7505.57	7349.31	7090.06	6797.45	6419.98	5858.75	5345.50	4812.36	4282.15
360.0	7463.43	7334.10	7125.17	6858.31	6397.74	5944.19	5461.96	4953.99	4316.68

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	3842.06	3409.58	2923.26	2591.43	2313.45	2029.62	1834.15	1674.39	1498.82
45.0	4706.44	4227.72	3764.81	3248.06	2874.68	2569.78	2229.18	2009.14	1825.96
90.0	4407.97	3828.60	3397.29	3014.55	2680.97	2388.36	2100.43	1907.31	1732.91
135.0	5266.50	4769.06	4291.51	3825.67	3297.80	2933.21	2623.04	2294.73	2067.07
180.0	5154.72	4644.40	4149.30	3698.68	3186.02	2836.06	2534.67	2273.66	1989.24
225.0	4320.19	3733.21	3315.94	2943.16	2542.86	2274.83	2041.32	1801.38	1634.59
270.0	4605.19	3977.83	3514.92	3010.46	2661.08	2366.12	2118.57	1854.64	1684.34
315.0	3671.17	3238.69	2861.81	2537.59	2208.70	1986.31	1792.60	1579.58	1445.56
360.0	3842.06	3409.58	2923.26	2591.43	2313.45	2029.62	1834.15	1674.39	1498.82

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1386.46	1158.10	1158.10	1066.57	972.06	877.19	791.17	688.46	609.16
45.0	1628.15	1490.04	1343.74	1236.05	1134.22	1043.51	931.74	849.22	763.78
90.0	1581.92	1422.74	1160.74	1160.74	1084.48	993.13	903.06	804.39	725.04
135.0	1833.57	1677.90	1534.52	1377.09	1270.58	1168.75	1076.87	963.34	879.65
180.0	1803.14	1636.93	1462.54	1341.39	1240.15	1127.79	1027.71	937.59	829.91
225.0	1490.04	1143.24	1143.24	1118.72	1026.54	917.52	831.78	751.90	675.82
270.0	1531.01	1392.89	1243.08	1136.57	1042.34	934.66	844.54	767.29	672.48
315.0	1163.90	1163.90	1094.31	1010.27	906.69	825.40	745.81	664.64	567.90
360.0	1386.46	1158.10	1158.10	1066.57	972.06	877.19	791.17	688.46	609.16

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	529.98	438.51	378.29	324.04	262.82	221.45	177.79	147.89	122.90
45.0	680.68	581.19	507.45	440.15	378.70	308.47	295.60	295.60	170.53
90.0	627.01	548.12	476.08	407.73	332.99	280.56	235.79	196.64	155.49
135.0	798.31	715.79	617.47	543.73	471.75	388.06	330.13	303.79	303.79
180.0	743.29	665.46	594.65	502.18	435.47	378.70	323.10	296.77	296.77
225.0	582.42	510.26	440.38	377.35	309.58	262.53	213.90	180.89	151.98
270.0	597.57	529.69	446.00	378.70	323.69	299.11	299.11	183.41	153.80
315.0	496.97	428.62	365.41	299.05	252.82	212.44	171.24	143.44	114.53
360.0	529.98	438.51	378.29	324.04	262.82	221.45	177.79	147.89	122.90

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	102.77	86.15	68.94	58.00	49.51	42.60	36.05	31.89	28.62
45.0	142.03	112.36	93.28	77.25	64.37	51.68	44.18	38.22	33.59
90.0	129.04	107.10	88.95	70.34	58.93	47.81	41.08	35.87	31.25
135.0	185.40	154.44	122.43	101.48	84.45	70.75	57.18	49.10	42.60
180.0	172.52	143.97	120.03	95.51	80.06	66.48	56.47	46.70	40.67
225.0	121.32	101.24	84.74	68.06	57.35	48.75	42.14	35.99	32.13
270.0	128.81	102.41	85.50	71.57	57.53	48.75	41.79	35.23	31.43
315.0	95.86	80.06	67.13	54.25	46.17	40.15	35.52	31.13	28.50
360.0	102.77	86.15	68.94	58.00	49.51	42.60	36.05	31.89	28.62

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	25.28	23.17	21.19	19.96	19.02	18.08	17.50	17.03	16.62
45.0	29.26	26.51	24.29	22.47	20.54	19.25	18.02	17.26	16.50
90.0	28.38	26.10	24.29	22.47	21.36	20.37	19.61	18.73	18.20
135.0	37.81	33.36	30.49	27.45	25.46	23.88	22.30	21.24	20.42
180.0	36.28	32.54	29.03	26.69	24.81	23.17	21.54	20.42	19.31
225.0	29.14	26.63	24.17	22.53	21.19	19.90	19.02	18.08	17.50
270.0	27.74	25.63	23.76	22.36	20.89	20.01	19.20	18.43	17.67
315.0	26.34	24.35	23.00	21.95	20.95	20.25	19.72	18.96	18.43
360.0	25.28	23.17	21.19	19.96	19.02	18.08	17.50	17.03	16.62

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	16.27	15.98	15.80	15.57	15.39	15.22	15.04	14.86	14.69
45.0	15.98	15.45	15.10	14.81	14.46	14.22	13.93	13.75	13.58
90.0	17.67	17.15	16.74	16.39	15.92	15.63	15.39	15.10	14.86
135.0	19.61	18.73	18.08	17.62	17.09	16.62	16.21	15.86	15.39
180.0	18.55	17.91	17.21	16.80	16.44	16.09	15.74	15.51	15.27
225.0	16.97	16.56	16.04	15.63	15.33	15.04	14.81	14.57	14.40
270.0	17.21	16.74	16.27	15.86	15.45	14.98	14.75	14.57	14.28
315.0	17.91	17.38	17.03	16.68	16.39	16.04	15.74	15.51	15.16
360.0	16.27	15.98	15.80	15.57	15.39	15.22	15.04	14.86	14.69

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	14.51	14.28	14.05	13.69	13.11	12.76	12.41	12.06	11.59
45.0	13.40	13.28	12.99	12.76	12.58	12.17	11.76	11.41	11.06
90.0	14.63	14.34	14.05	13.75	13.34	12.93	12.41	11.94	11.47
135.0	15.04	14.81	14.40	14.10	13.69	13.40	12.99	12.58	12.23
180.0	15.04	14.81	14.63	14.34	14.05	13.69	13.34	12.93	12.58
225.0	14.10	13.87	13.58	13.17	12.76	12.35	11.76	11.41	11.06
270.0	14.10	13.93	13.64	13.23	12.82	12.41	11.94	11.47	11.12
315.0	14.86	14.51	14.05	13.64	13.17	12.64	12.23	11.82	11.41
360.0	14.51	14.28	14.05	13.69	13.11	12.76	12.41	12.06	11.59

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	11.29	10.94	10.59	10.24	10.01	9.71	9.54	9.36	9.13
45.0	10.71	10.48	10.24	10.01	9.77	9.60	9.31	9.13	8.95
90.0	11.06	10.77	10.42	10.12	9.89	9.60	9.42	9.19	8.95
135.0	11.76	11.41	11.12	10.77	10.48	10.24	10.01	9.66	9.48
180.0	12.29	11.94	11.59	11.35	11.00	10.77	10.53	10.30	10.07
225.0	10.77	10.42	10.18	9.95	9.66	9.42	9.19	8.95	8.78
270.0	10.77	10.48	10.24	10.01	9.71	9.54	9.31	9.07	8.90
315.0	10.94	10.53	10.24	9.89	9.54	9.31	9.13	8.90	8.72
360.0	11.29	10.94	10.59	10.24	10.01	9.71	9.54	9.36	9.13

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	8.95	8.84	8.60	8.37	8.25	8.02	7.72	7.61	7.43
45.0	8.78	8.60	8.43	8.25	8.08	7.96	7.72	7.61	7.49
90.0	8.72	8.54	8.37	8.13	8.02	7.84	7.67	7.55	7.43
135.0	9.25	9.07	8.84	8.60	8.43	8.25	8.08	7.84	7.72
180.0	9.89	9.66	9.48	9.25	9.01	8.78	8.66	8.54	8.37
225.0	8.60	8.43	8.25	8.13	7.96	7.78	7.67	7.49	7.32
270.0	8.72	8.49	8.31	8.19	8.02	7.84	7.67	7.49	7.37
315.0	8.54	8.43	8.19	8.08	7.90	7.72	7.55	7.43	7.37
360.0	8.95	8.84	8.60	8.37	8.25	8.02	7.72	7.61	7.43

Intensity data(cd)

C/γ(°)	90.0
0.0	7.37
45.0	7.32
90.0	7.32
135.0	7.61
180.0	7.84
225.0	7.32
270.0	7.32
315.0	7.37
360.0	7.37