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NT

Client:
LumCAT: 1-1302-L
Luminaire: 92.70.410.00
Report No: 2024801-B015
Ballast type: AC

Test No: 2024801-C015	Voltage(V): 35.030
LampCAT: Fortimo_SLM_C_1203	Current(A): 0.240
Lamp flux(lm): 1431.0	Power (W): 8.407
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 1356.88, Efficiency(%): 94.82% , Luminous Efficacy(lm/W): 161.40
Central intensity(cd): 2569.928, Maximum intensity(cd): 2569.928
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=42.6
[C90/270]Total=42.6
Field angle(10%Imax): [C0/180]Total=66.4
[C90/270]Total=66.4
Maximum s/h(1/2): C0_180=0.69 C90_270=0.69
Maximum s/h(1/4): C0_180=0.67 C90_270=0.67
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 94.82%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 98.018%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	2569.928	0.000	0	0.00%	0.00%
1.0	2568.977	2.459	2.459	0.17%	0.18%
2.0	2562.320	7.365	9.824	0.51%	0.72%
3.0	2547.323	12.221	22.044	0.85%	1.62%
4.0	2528.084	16.989	39.033	1.19%	2.88%
5.0	2507.016	21.661	60.694	1.51%	4.47%
6.0	2477.974	26.197	86.892	1.83%	6.40%
7.0	2443.080	30.545	117.436	2.13%	8.65%
8.0	2401.822	34.674	152.111	2.42%	11.21%
9.0	2359.759	38.590	190.701	2.70%	14.05%
10.0	2311.332	42.272	232.972	2.95%	17.17%
11.0	2255.589	45.633	278.605	3.19%	20.53%
12.0	2194.652	48.648	327.253	3.40%	24.12%
13.0	2122.523	51.234	378.487	3.58%	27.89%
14.0	2047.834	53.380	431.867	3.73%	31.83%
15.0	1961.733	55.045	486.912	3.85%	35.88%
16.0	1867.292	56.106	543.018	3.92%	40.02%
17.0	1765.390	56.571	599.589	3.95%	44.19%
18.0	1661.732	56.506	656.094	3.95%	48.35%
19.0	1521.695	55.385	711.479	3.87%	52.44%
20.0	1432.448	54.069	765.548	3.78%	56.42%
21.0	1314.211	52.741	818.29	3.69%	60.31%
22.0	1209.002	50.705	868.995	3.54%	64.04%
23.0	1114.693	48.757	917.752	3.41%	67.64%
24.0	1006.302	46.373	964.125	3.24%	71.05%
25.0	904.341	43.444	1007.569	3.04%	74.26%
26.0	811.773	40.509	1048.078	2.83%	77.24%
27.0	717.427	37.412	1085.49	2.61%	80.00%
28.0	625.635	34.003	1119.493	2.38%	82.51%
29.0	542.248	30.555	1150.049	2.14%	84.76%
30.0	458.056	27.008	1177.057	1.89%	86.75%
31.0	383.820	23.428	1200.485	1.64%	88.47%
32.0	317.104	20.081	1220.565	1.40%	89.95%
33.0	268.114	17.241	1237.806	1.20%	91.22%
34.0	211.156	14.504	1252.31	1.01%	92.29%
35.0	168.976	11.806	1264.116	0.82%	93.16%
36.0	127.528	9.441	1273.556	0.66%	93.86%
37.0	87.754	7.021	1280.578	0.49%	94.38%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	68.149	5.204	1285.782	0.36%	94.76%
39.0	55.874	4.233	1290.015	0.30%	95.07%
40.0	46.525	3.571	1293.586	0.25%	95.34%
41.0	40.549	3.101	1296.687	0.22%	95.56%
42.0	35.794	2.774	1299.461	0.19%	95.77%
43.0	32.187	2.518	1301.979	0.18%	95.95%
44.0	29.225	2.318	1304.297	0.16%	96.12%
45.0	26.869	2.156	1306.452	0.15%	96.28%
46.0	24.909	2.025	1308.477	0.14%	96.43%
47.0	23.190	1.913	1310.39	0.13%	96.57%
48.0	21.807	1.819	1312.209	0.13%	96.71%
49.0	20.600	1.741	1313.951	0.12%	96.84%
50.0	19.576	1.675	1315.626	0.12%	96.96%
51.0	18.625	1.616	1317.242	0.11%	97.08%
52.0	17.871	1.566	1318.808	0.11%	97.19%
53.0	17.176	1.525	1320.333	0.11%	97.31%
54.0	16.533	1.486	1321.818	0.10%	97.42%
55.0	15.918	1.449	1323.267	0.10%	97.52%
56.0	15.326	1.412	1324.679	0.10%	97.63%
57.0	14.762	1.376	1326.054	0.10%	97.73%
58.0	14.228	1.341	1327.395	0.09%	97.83%
59.0	13.731	1.307	1328.702	0.09%	97.92%
60.0	13.277	1.276	1329.978	0.09%	98.02%
61.0	12.751	1.242	1331.22	0.09%	98.11%
62.0	12.326	1.208	1332.429	0.08%	98.20%
63.0	11.865	1.177	1333.605	0.08%	98.28%
64.0	11.405	1.142	1334.747	0.08%	98.37%
65.0	10.958	1.107	1335.854	0.08%	98.45%
66.0	10.519	1.072	1336.925	0.07%	98.53%
67.0	10.088	1.036	1337.962	0.07%	98.61%
68.0	9.744	1.005	1338.966	0.07%	98.68%
69.0	9.444	0.979	1339.945	0.07%	98.75%
70.0	9.203	0.958	1340.903	0.07%	98.82%
71.0	9.005	0.941	1341.844	0.07%	98.89%
72.0	8.822	0.927	1342.771	0.06%	98.96%
73.0	8.617	0.912	1343.683	0.06%	99.03%
74.0	8.435	0.896	1344.579	0.06%	99.09%
75.0	8.259	0.882	1345.461	0.06%	99.16%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	8.076	0.867	1346.328	0.06%	99.22%
77.0	7.886	0.851	1347.179	0.06%	99.29%
78.0	7.732	0.836	1348.015	0.06%	99.35%
79.0	7.564	0.822	1348.837	0.06%	99.41%
80.0	7.381	0.806	1349.643	0.06%	99.47%
81.0	7.235	0.790	1350.433	0.06%	99.53%
82.0	7.074	0.776	1351.209	0.05%	99.58%
83.0	6.920	0.761	1351.97	0.05%	99.64%
84.0	6.774	0.746	1352.716	0.05%	99.69%
85.0	6.642	0.732	1353.448	0.05%	99.75%
86.0	6.459	0.716	1354.165	0.05%	99.80%
87.0	6.320	0.699	1354.864	0.05%	99.85%
88.0	6.167	0.684	1355.548	0.05%	99.90%
89.0	6.042	0.669	1356.217	0.05%	99.95%
90.0	6.006	0.661	1356.878	0.05%	100.00%

Zonal flux distribution table

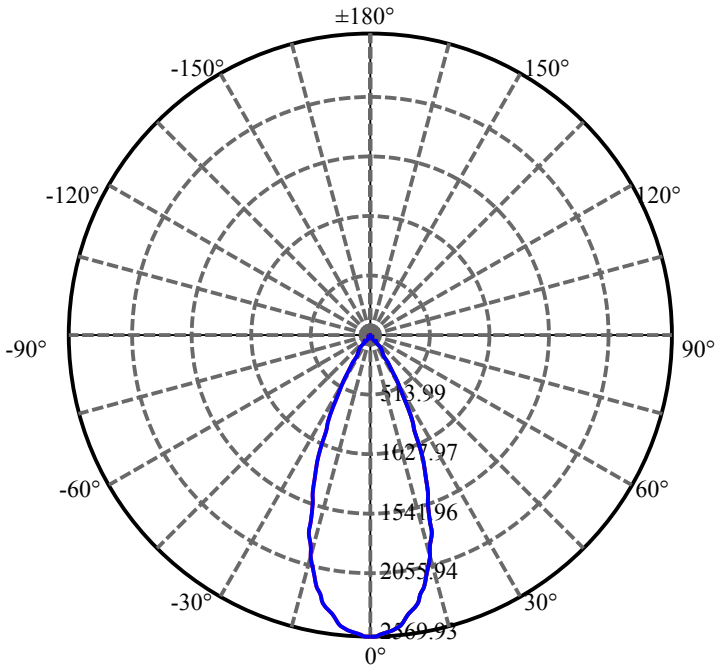
ZONAL LUMEN SUMMARY

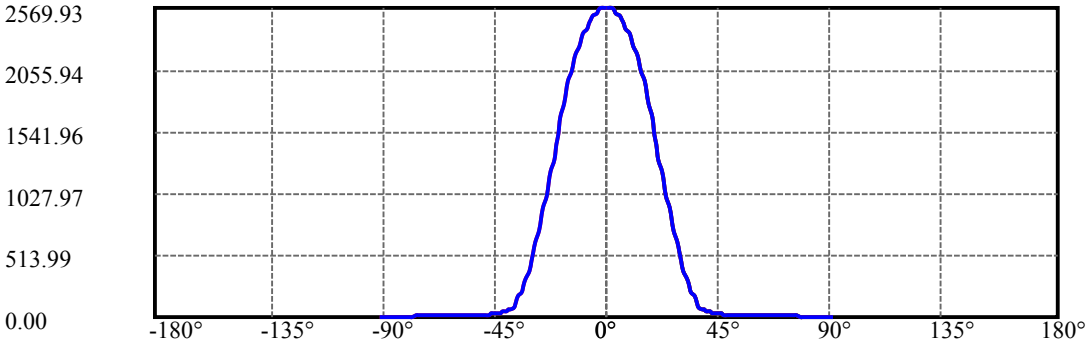
Zone	Lumens	%Lamp	%Fixt
0-30	1177.06	82.25%	86.75%
0-40	1293.59	90.40%	95.34%
0-60	1329.98	92.94%	98.02%
0-90	1356.22	94.77%	99.95%
0-120	1356.22	94.77%	99.95%
0-180	1356.88	94.82%	100.00%
60-90	26.24	1.83%	1.93%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-27.00	1085.50	75.86%	80.00%

ZONAL LUMEN SUMMARY

0-10	232.97
10-20	532.58
20-30	411.51
30-40	116.53
40-50	22.04
50-60	14.35
60-70	10.92
70-80	8.74
80-90	6.57
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):

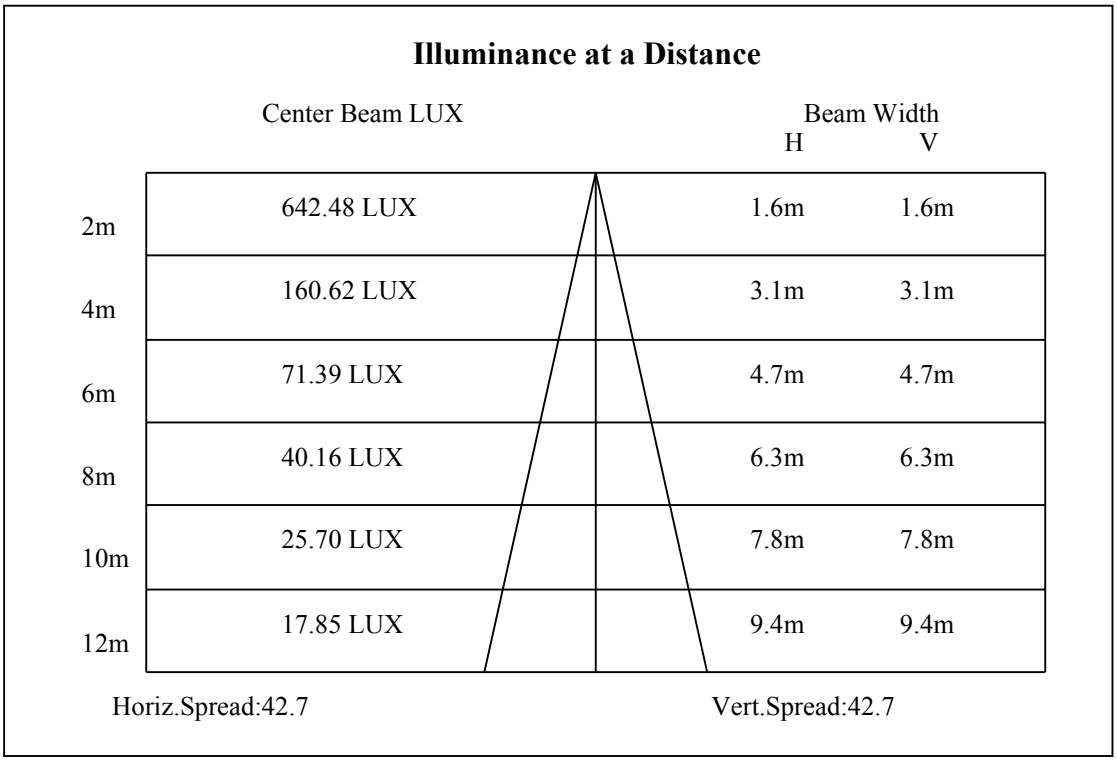
C0/C180:

C90/C270:

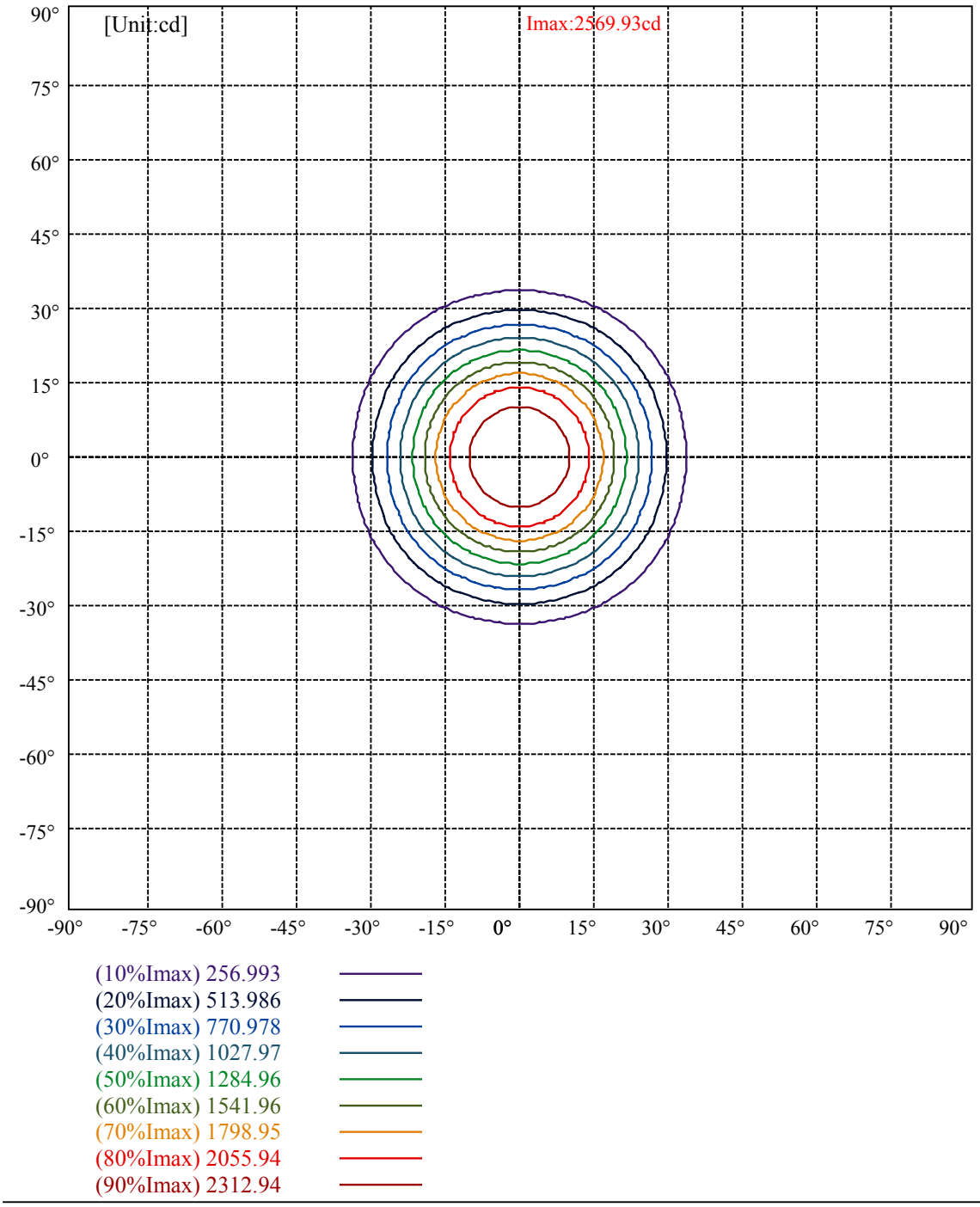
Field angle(10%Imax):C0/180Left:33.2 Right:33.2
:C90/270Left:33.2 Right:33.2

Beam Angle(50%Imax):C0/180Left:21.3 Right:21.3
:C90/270Left:21.3 Right:21.3

Lux distance Curve



ISO-Intensity(V-H)

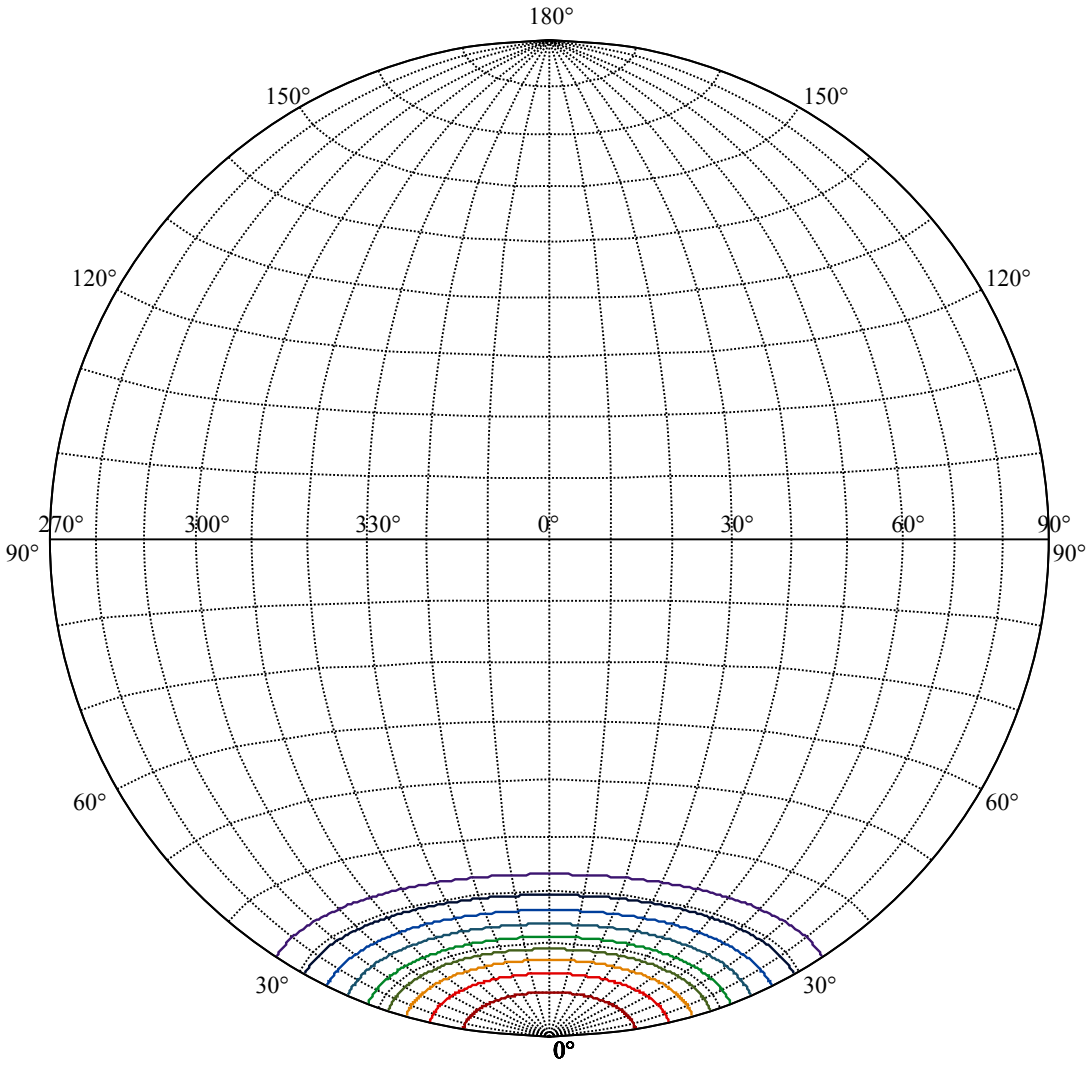


Equipment: GMS1980
Temperature(°C): 25.0

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

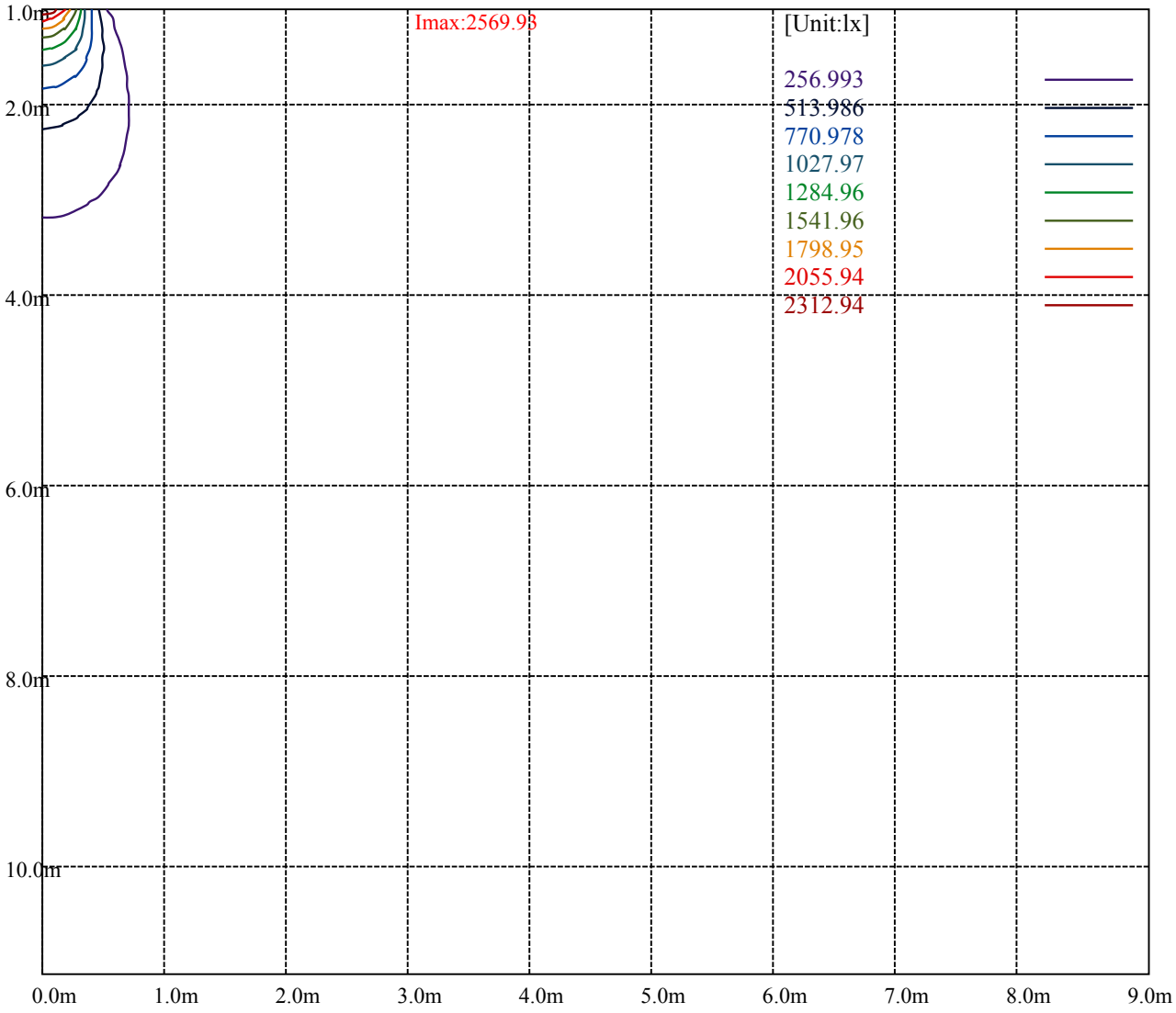
Operator: NT07
Distance(m): 7.65

ISO candela diagram on circular web



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

NT 1-1302-L

Luminance Limitting Curve(no luminous side)

Luminance Table

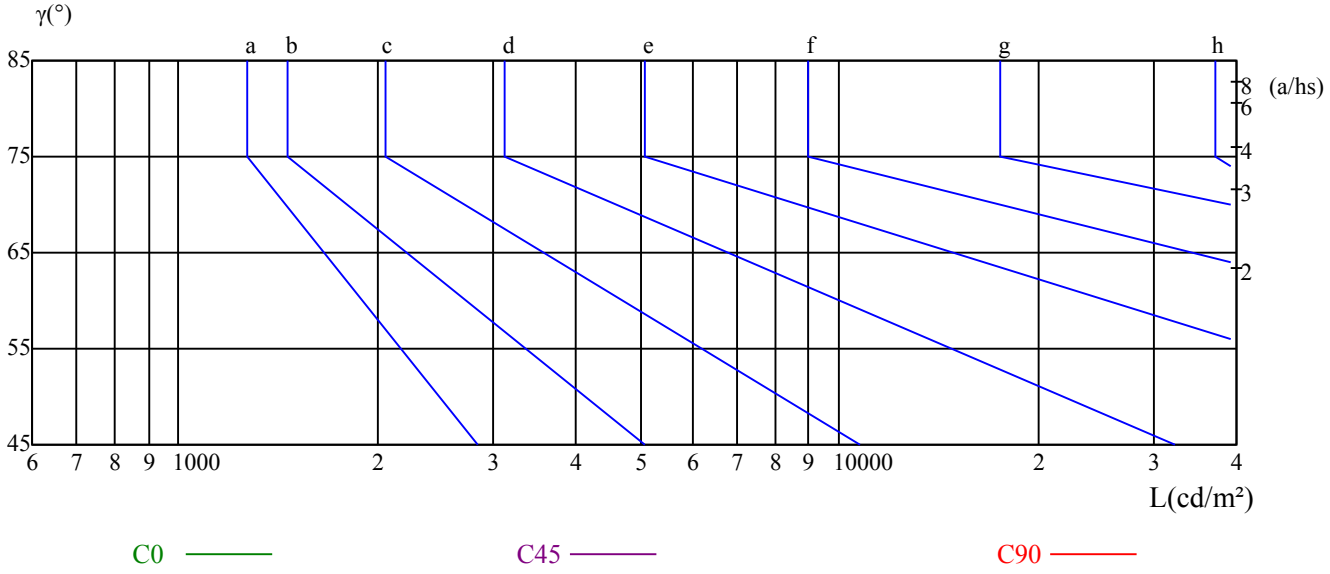
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

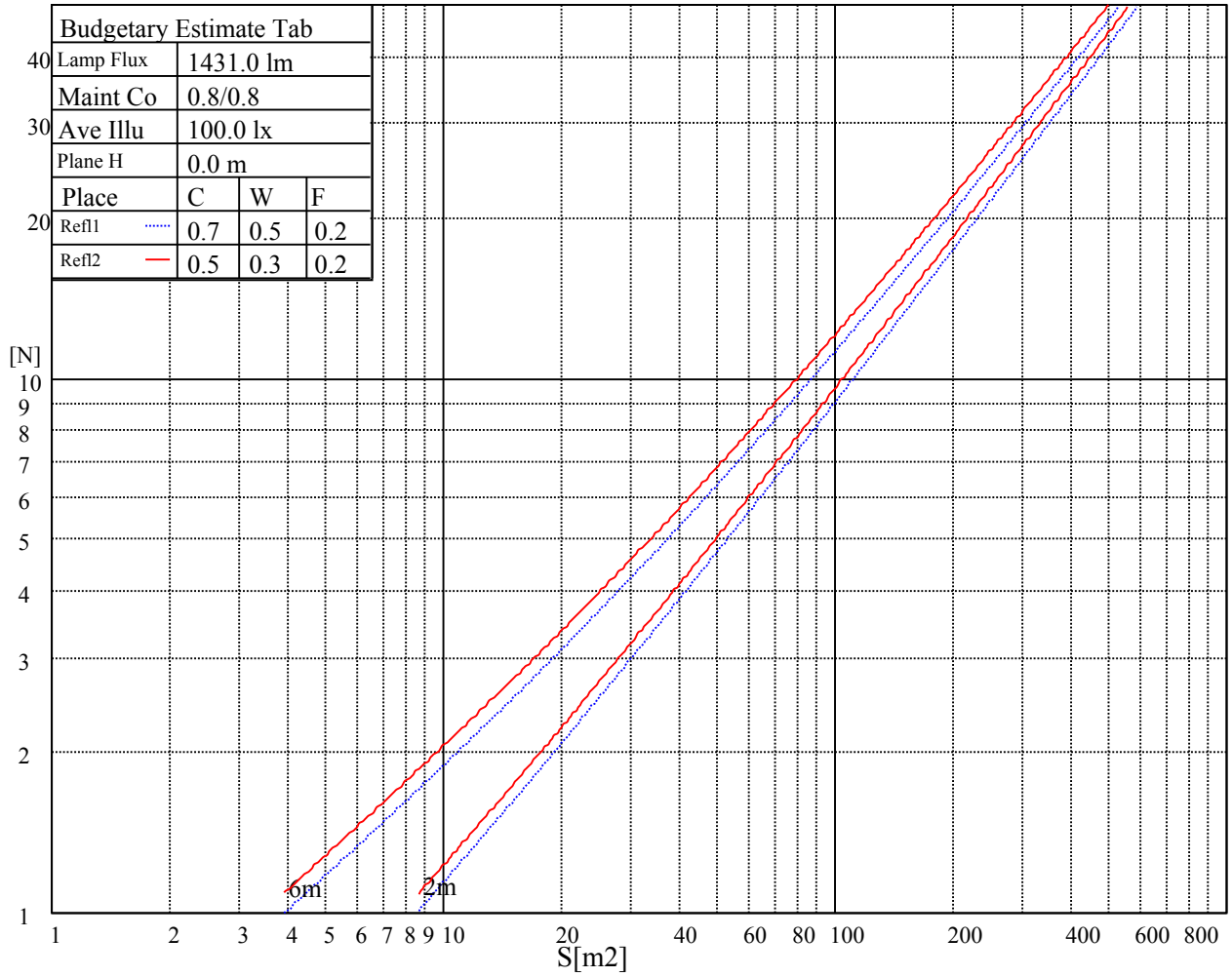
Luminance Limitting Curve



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

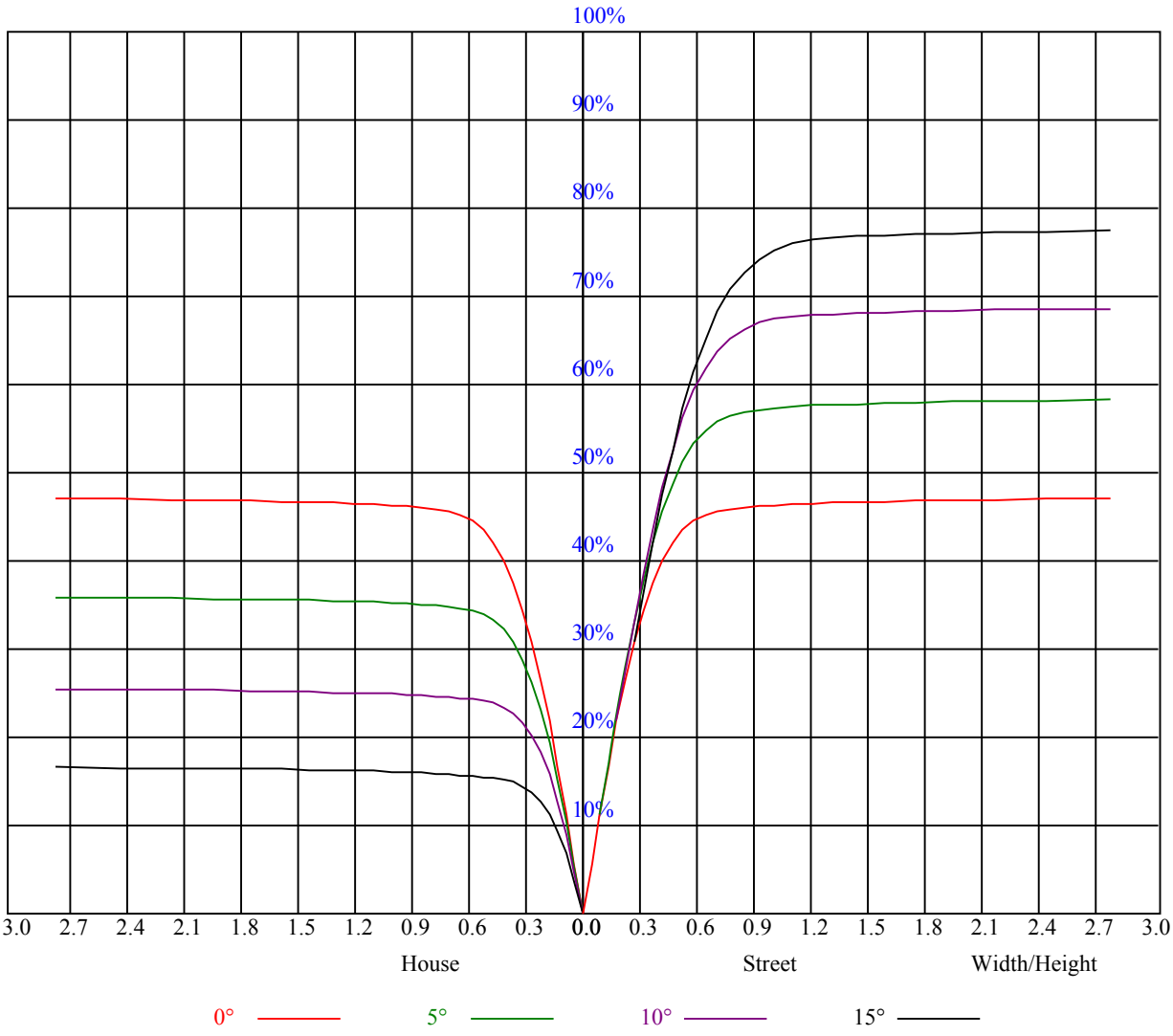


Equipment: GMS1980 Date: 2024/8/01 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

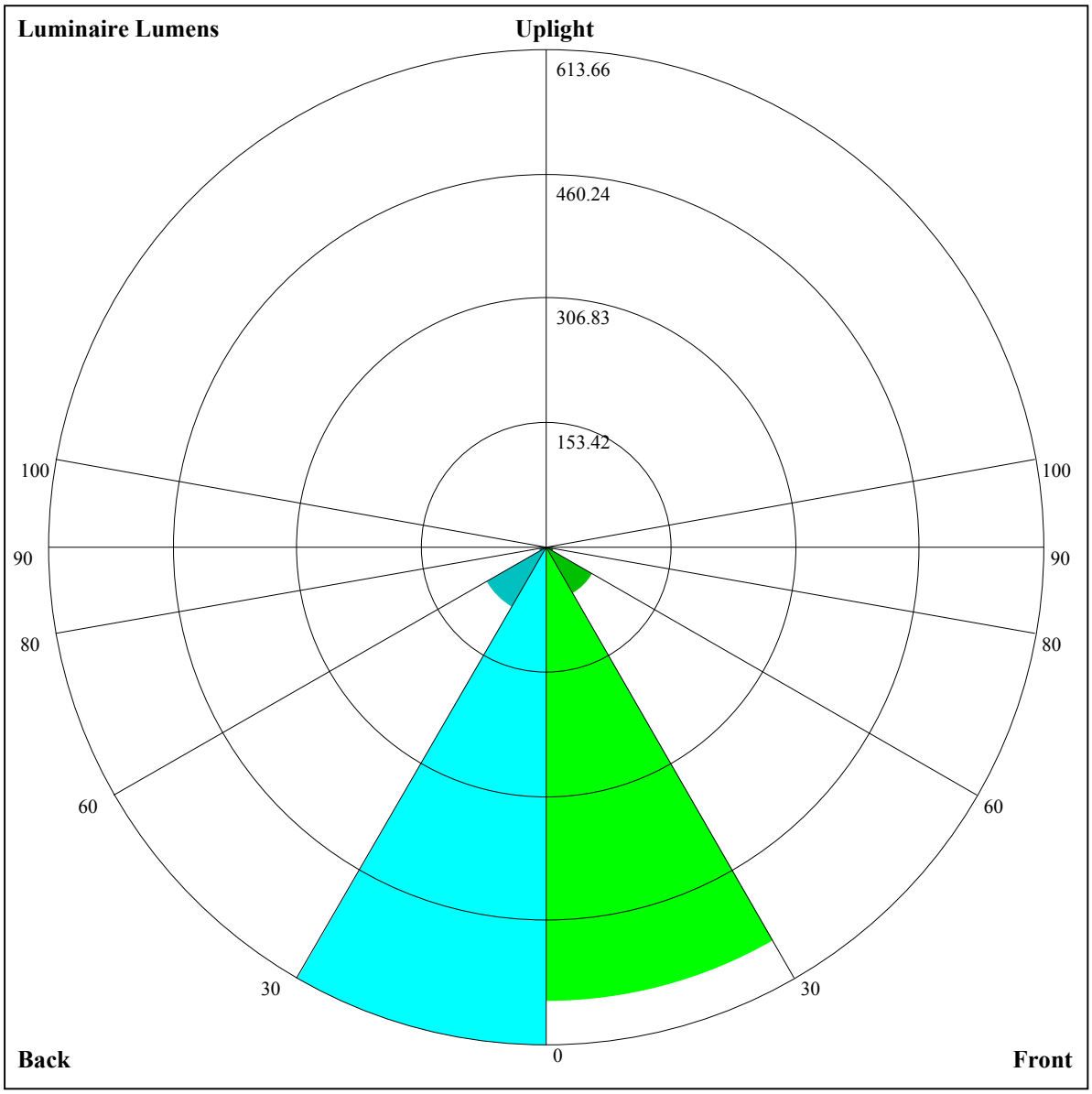
Utilization factor table for indoor luminaire

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	1.13	1.13	1.13	1.10	1.10	1.10	1.05	1.05	1.05	1.01	1.01	1.01	0.97	0.97	0.97	0.95
1	1.05	1.03	1.01	1.03	1.01	1.00	1.00	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.89
2	0.99	0.96	0.93	0.97	0.94	0.92	0.94	0.92	0.90	0.92	0.89	0.88	0.89	0.87	0.86	0.84
3	0.93	0.89	0.86	0.92	0.88	0.85	0.90	0.86	0.84	0.87	0.85	0.82	0.85	0.83	0.81	0.80
4	0.88	0.84	0.80	0.87	0.83	0.80	0.85	0.82	0.79	0.84	0.80	0.78	0.82	0.79	0.77	0.76
5	0.84	0.79	0.75	0.83	0.78	0.75	0.81	0.77	0.74	0.80	0.76	0.74	0.78	0.76	0.73	0.72
6	0.80	0.75	0.71	0.79	0.74	0.71	0.78	0.74	0.71	0.76	0.73	0.70	0.75	0.72	0.70	0.68
7	0.76	0.71	0.68	0.75	0.71	0.67	0.74	0.70	0.67	0.73	0.69	0.67	0.72	0.69	0.66	0.65
8	0.73	0.68	0.64	0.72	0.67	0.64	0.71	0.67	0.64	0.70	0.66	0.64	0.69	0.66	0.63	0.62
9	0.69	0.65	0.61	0.69	0.64	0.61	0.68	0.64	0.61	0.67	0.64	0.61	0.67	0.63	0.61	0.60
10	0.67	0.62	0.59	0.66	0.62	0.59	0.65	0.61	0.58	0.65	0.61	0.58	0.64	0.61	0.58	0.57

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=560.2,FM=67.06,FH=9.71,FVH=3.58
BL=613.66,BM=86.31,BH=9.92,BVH=3.66
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	2563.93	2555.74	2545.79	2524.13	2482.58	2456.83	2421.13	2384.85	2322.23
45.0	2562.76	2573.88	2587.92	2593.19	2585.58	2555.15	2537.01	2508.33	2481.41
90.0	2585.00	2614.26	2610.75	2608.99	2625.96	2613.67	2580.32	2545.79	2522.38
135.0	2568.03	2580.32	2603.14	2608.99	2607.82	2606.65	2590.85	2568.03	2539.94
180.0	2563.93	2564.51	2563.93	2556.32	2541.11	2529.99	2508.33	2480.83	2442.20
225.0	2562.76	2550.47	2521.21	2493.12	2464.44	2443.37	2406.50	2366.12	2319.31
270.0	2585.00	2564.51	2547.54	2509.50	2473.22	2444.54	2413.53	2358.52	2322.82
315.0	2568.03	2548.13	2518.28	2484.34	2443.96	2405.92	2366.12	2332.18	2264.29
360.0	2563.93	2555.74	2545.79	2524.13	2482.58	2456.83	2421.13	2384.85	2322.23

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	2267.81	2197.58	2129.69	2053.03	1948.27	1855.22	1758.07	1653.90	1526.33
45.0	2442.79	2403.58	2357.93	2308.19	2246.15	2174.75	2086.39	1985.73	1898.53
90.0	2493.70	2443.37	2374.32	2303.50	2236.79	2177.68	2072.93	1968.17	1824.79
135.0	2505.99	2460.34	2411.77	2347.98	2288.87	2223.91	2150.76	2044.83	1951.20
180.0	2396.55	2359.69	2323.40	2274.24	2204.60	2147.83	2086.97	2026.11	1931.30
225.0	2276.00	2220.40	2173.00	2120.91	2048.35	1980.46	1891.51	1818.35	1737.59
270.0	2285.36	2251.42	2197.58	2143.15	2082.87	2009.14	1931.89	1821.28	1733.49
315.0	2209.87	2154.27	2077.02	2006.21	1924.28	1813.67	1715.35	1619.96	1519.89
360.0	2267.81	2197.58	2129.69	2053.03	1948.27	1855.22	1758.07	1653.90	1526.33

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1429.76	1145.58	1145.58	1093.55	992.37	900.54	816.62	717.37	637.84
45.0	1773.29	1677.31	1573.73	1430.35	1315.64	1195.67	1056.97	953.39	860.34
90.0	1703.65	1587.77	1437.37	1138.09	1138.09	1048.02	931.39	828.50	742.24
135.0	1855.81	1758.07	1629.91	1522.23	1412.21	1273.51	1166.41	1034.15	938.76
180.0	1856.39	1775.63	1661.51	1571.39	1474.83	1373.00	1265.90	1168.17	1042.93
225.0	1629.91	1539.79	1449.66	1360.12	1150.20	1150.20	1057.91	965.97	876.37
270.0	1643.96	1540.37	1412.79	1301.01	1193.33	1093.26	957.49	869.12	778.99
315.0	1401.09	1149.03	1149.03	1096.95	995.35	883.34	797.72	698.06	616.71
360.0	1429.76	1145.58	1145.58	1093.55	992.37	900.54	816.62	717.37	637.84

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	558.66	465.08	393.74	317.19	261.77	209.04	163.22	116.87	89.60
45.0	764.95	652.00	566.56	484.62	410.89	329.54	299.69	299.69	166.96
90.0	642.99	565.27	495.33	431.90	355.99	304.20	257.03	200.21	158.77
135.0	852.73	772.56	680.68	608.11	529.69	461.22	376.36	313.74	298.52
180.0	952.80	859.75	759.10	646.73	550.17	452.44	374.02	302.03	302.03
225.0	757.98	660.13	562.87	452.20	373.20	284.07	220.51	169.83	118.57
270.0	671.31	588.21	508.03	414.40	346.51	302.03	302.03	169.01	130.68
315.0	538.00	442.08	371.68	309.29	242.34	194.29	152.04	117.86	86.67
360.0	558.66	465.08	393.74	317.19	261.77	209.04	163.22	116.87	89.60

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	70.70	58.87	48.16	41.96	37.57	34.35	31.31	29.20	26.98
45.0	115.11	86.09	61.92	51.44	43.42	36.05	32.25	29.38	27.10
90.0	111.43	81.64	63.09	52.26	43.07	36.99	32.19	28.97	25.93
135.0	298.52	140.81	105.05	78.89	59.58	50.33	42.14	36.93	32.89
180.0	169.60	127.81	91.24	72.39	58.52	50.56	44.07	38.10	34.18
225.0	90.65	72.74	60.80	50.91	44.24	39.03	34.88	30.90	28.44
270.0	93.40	73.74	62.44	53.67	44.95	39.62	35.41	32.30	29.14
315.0	70.81	60.34	52.49	45.47	40.85	37.45	34.12	31.72	29.14
360.0	70.70	58.87	48.16	41.96	37.57	34.35	31.31	29.20	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	25.46	23.88	22.82	21.89	21.07	20.07	19.43	18.84	18.26
45.0	24.70	23.12	21.83	20.72	19.61	18.79	18.02	17.32	16.80
90.0	23.88	22.12	20.72	19.31	18.49	17.73	16.91	16.39	15.98
135.0	29.14	26.63	24.46	22.59	20.72	19.49	18.49	17.67	16.74
180.0	31.19	28.62	26.10	24.17	22.71	21.48	20.07	19.14	18.26
225.0	26.34	24.11	22.53	21.24	19.84	18.90	17.97	17.03	16.50
270.0	26.86	24.99	22.88	21.54	20.48	19.20	18.32	17.56	16.68
315.0	27.39	25.81	24.17	23.00	21.89	20.95	19.78	19.02	18.20
360.0	25.46	23.88	22.82	21.89	21.07	20.07	19.43	18.84	18.26

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	17.50	16.80	16.21	15.63	14.86	14.28	13.69	12.99	12.52
45.0	16.21	15.74	15.27	14.75	14.28	13.81	13.40	12.76	12.29
90.0	15.45	14.98	14.63	14.16	13.81	13.40	12.99	12.52	12.17
135.0	16.15	15.57	14.92	14.51	14.16	13.64	13.28	12.87	12.47
180.0	17.38	16.62	16.04	15.33	14.75	14.22	13.81	13.34	12.99
225.0	15.92	15.33	14.69	14.22	13.75	13.34	12.87	12.47	12.00
270.0	16.09	15.51	14.86	14.22	13.75	13.28	12.87	12.41	12.06
315.0	17.56	16.80	15.98	15.27	14.46	13.87	13.28	12.64	12.11
360.0	17.50	16.80	16.21	15.63	14.86	14.28	13.69	12.99	12.52

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	11.88	11.35	10.83	10.36	9.83	9.54	9.31	9.19	8.95
45.0	11.82	11.41	11.00	10.48	10.12	9.60	9.25	9.01	8.78
90.0	11.76	11.24	10.83	10.42	9.89	9.54	9.25	9.01	8.84
135.0	12.11	11.76	11.41	10.94	10.53	10.24	9.89	9.48	9.25
180.0	12.52	12.11	11.65	11.29	10.77	10.48	10.12	9.83	9.60
225.0	11.53	11.06	10.59	10.18	9.83	9.60	9.25	9.07	8.90
270.0	11.70	11.29	10.94	10.48	10.07	9.66	9.36	9.07	8.95
315.0	11.59	11.00	10.42	10.01	9.66	9.31	9.13	8.95	8.78
360.0	11.88	11.35	10.83	10.36	9.83	9.54	9.31	9.19	8.95

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	8.78	8.60	8.37	8.25	8.08	7.90	7.72	7.55	7.32
45.0	8.60	8.43	8.19	8.08	7.90	7.72	7.55	7.43	7.26
90.0	8.72	8.49	8.31	8.13	7.96	7.78	7.67	7.49	7.32
135.0	9.07	8.84	8.72	8.49	8.31	8.13	7.96	7.78	7.61
180.0	9.36	9.07	8.90	8.78	8.54	8.31	8.19	7.96	7.84
225.0	8.66	8.49	8.37	8.13	7.96	7.78	7.61	7.43	7.26
270.0	8.78	8.60	8.37	8.19	8.02	7.84	7.67	7.55	7.32
315.0	8.60	8.43	8.25	8.02	7.84	7.61	7.49	7.32	7.14
360.0	8.78	8.60	8.37	8.25	8.08	7.90	7.72	7.55	7.32

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	7.20	7.08	6.96	6.79	6.73	6.44	6.26	6.03	5.91
45.0	7.08	6.91	6.73	6.61	6.44	6.32	6.20	6.09	5.97
90.0	7.14	6.96	6.79	6.67	6.55	6.38	6.26	6.14	6.03
135.0	7.49	7.32	7.14	6.96	6.85	6.73	6.55	6.38	6.26
180.0	7.67	7.49	7.32	7.14	6.96	6.79	6.61	6.44	6.26
225.0	7.14	6.96	6.85	6.67	6.50	6.32	6.20	6.09	5.97
270.0	7.20	7.02	6.85	6.73	6.61	6.38	6.26	6.14	5.97
315.0	6.96	6.85	6.73	6.61	6.50	6.32	6.20	6.03	5.97
360.0	7.20	7.08	6.96	6.79	6.73	6.44	6.26	6.03	5.91

Intensity data(cd)

C/γ(°)	90.0
0.0	5.97
45.0	5.91
90.0	5.97
135.0	6.14
180.0	6.20
225.0	5.91
270.0	5.97
315.0	5.97
360.0	5.97