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Address:380JinOu Road,GaoXin Zone,Jiang Men City,Guangdong,China

NT

Client:
LumCAT: 1-1306-L
Luminaire: 92.70.410.00
Report No: 2024803-B017
Ballast type: AC

Test No: 2024803-C017	Voltage(V): 34.440
LampCAT: Fortimo_SLM_C_1204	Current(A): 0.288
Lamp flux(lm): 1684.0	Power (W): 9.918
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 1538.66, Efficiency(%): 91.37% , Luminous Efficacy(lm/W): 155.14
Central intensity(cd): 2292.385, Maximum intensity(cd): 2292.385
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=51.8
[C90/270]Total=51.8
Field angle(10%Imax): [C0/180]Total=70.6
[C90/270]Total=70.6
Maximum s/h(1/2): C0_180=0.82 C90_270=0.82
Maximum s/h(1/4): C0_180=0.78 C90_270=0.78
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 91.37%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 98.063%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	2292.385	0.000	0	0.00%	0.00%
1.0	2290.995	2.193	2.193	0.13%	0.14%
2.0	2285.216	6.568	8.761	0.39%	0.57%
3.0	2278.632	10.915	19.676	0.65%	1.28%
4.0	2267.001	15.216	34.892	0.90%	2.27%
5.0	2252.882	19.444	54.336	1.15%	3.53%
6.0	2234.740	23.584	77.92	1.40%	5.06%
7.0	2215.135	27.620	105.54	1.64%	6.86%
8.0	2195.823	31.568	137.109	1.87%	8.91%
9.0	2171.463	35.394	172.503	2.10%	11.21%
10.0	2144.396	39.057	211.56	2.32%	13.75%
11.0	2113.306	42.543	254.103	2.53%	16.51%
12.0	2072.121	45.753	299.856	2.72%	19.49%
13.0	2027.424	48.651	348.507	2.89%	22.65%
14.0	1983.386	51.338	399.845	3.05%	25.99%
15.0	1932.325	53.757	453.602	3.19%	29.48%
16.0	1881.923	55.889	509.491	3.32%	33.11%
17.0	1824.351	57.717	567.208	3.43%	36.86%
18.0	1768.023	59.230	626.439	3.52%	40.71%
19.0	1703.502	60.397	686.836	3.59%	44.64%
20.0	1634.226	61.090	747.926	3.63%	48.61%
21.0	1558.586	61.308	809.234	3.64%	52.59%
22.0	1480.458	61.071	870.305	3.63%	56.56%
23.0	1383.289	60.089	930.394	3.57%	60.47%
24.0	1277.422	58.173	988.567	3.45%	64.25%
25.0	1212.791	56.622	1045.189	3.36%	67.93%
26.0	1137.802	55.486	1100.675	3.29%	71.53%
27.0	1043.895	53.376	1154.051	3.17%	75.00%
28.0	935.277	50.108	1204.159	2.98%	78.26%
29.0	821.714	45.968	1250.127	2.73%	81.25%
30.0	699.841	41.082	1291.209	2.44%	83.92%
31.0	586.622	35.800	1327.009	2.13%	86.24%
32.0	480.323	30.567	1357.576	1.82%	88.23%
33.0	383.300	25.443	1383.018	1.51%	89.88%
34.0	293.008	20.467	1403.486	1.22%	91.21%
35.0	239.489	16.537	1420.023	0.98%	92.29%
36.0	207.638	14.237	1434.26	0.85%	93.21%
37.0	121.529	10.736	1444.995	0.64%	93.91%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	96.299	7.271	1452.266	0.43%	94.38%
39.0	78.098	5.953	1458.219	0.35%	94.77%
40.0	66.957	5.059	1463.278	0.30%	95.10%
41.0	58.106	4.453	1467.731	0.26%	95.39%
42.0	50.666	3.952	1471.683	0.23%	95.65%
43.0	44.755	3.535	1475.218	0.21%	95.88%
44.0	39.993	3.199	1478.416	0.19%	96.08%
45.0	35.889	2.916	1481.332	0.17%	96.27%
46.0	32.612	2.679	1484.011	0.16%	96.45%
47.0	29.686	2.478	1486.489	0.15%	96.61%
48.0	27.242	2.301	1488.79	0.14%	96.76%
49.0	25.260	2.156	1490.946	0.13%	96.90%
50.0	23.402	2.029	1492.975	0.12%	97.03%
51.0	21.946	1.919	1494.894	0.11%	97.16%
52.0	20.534	1.823	1496.717	0.11%	97.27%
53.0	19.408	1.737	1498.454	0.10%	97.39%
54.0	18.369	1.665	1500.119	0.10%	97.50%
55.0	17.381	1.596	1501.715	0.09%	97.60%
56.0	16.474	1.530	1503.245	0.09%	97.70%
57.0	15.743	1.473	1504.718	0.09%	97.79%
58.0	15.033	1.423	1506.141	0.08%	97.89%
59.0	14.404	1.376	1507.517	0.08%	97.98%
60.0	13.906	1.337	1508.855	0.08%	98.06%
61.0	13.431	1.305	1510.159	0.08%	98.15%
62.0	12.977	1.273	1511.432	0.08%	98.23%
63.0	12.612	1.245	1512.676	0.07%	98.31%
64.0	12.253	1.220	1513.896	0.07%	98.39%
65.0	11.931	1.197	1515.093	0.07%	98.47%
66.0	11.609	1.175	1516.268	0.07%	98.54%
67.0	11.288	1.151	1517.419	0.07%	98.62%
68.0	11.017	1.130	1518.549	0.07%	98.69%
69.0	10.732	1.110	1519.658	0.07%	98.76%
70.0	10.505	1.091	1520.749	0.06%	98.84%
71.0	10.256	1.073	1521.822	0.06%	98.91%
72.0	10.000	1.053	1522.875	0.06%	98.97%
73.0	9.766	1.034	1523.909	0.06%	99.04%
74.0	9.546	1.015	1524.924	0.06%	99.11%
75.0	9.312	0.996	1525.921	0.06%	99.17%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	9.071	0.976	1526.897	0.06%	99.24%
77.0	8.852	0.956	1527.852	0.06%	99.30%
78.0	8.647	0.937	1528.789	0.06%	99.36%
79.0	8.442	0.918	1529.707	0.05%	99.42%
80.0	8.230	0.899	1530.606	0.05%	99.48%
81.0	8.032	0.879	1531.485	0.05%	99.53%
82.0	7.849	0.861	1532.346	0.05%	99.59%
83.0	7.666	0.843	1533.19	0.05%	99.64%
84.0	7.498	0.826	1534.016	0.05%	99.70%
85.0	7.330	0.809	1534.825	0.05%	99.75%
86.0	7.191	0.794	1535.619	0.05%	99.80%
87.0	7.045	0.779	1536.398	0.05%	99.85%
88.0	6.957	0.767	1537.165	0.05%	99.90%
89.0	6.811	0.755	1537.92	0.04%	99.95%
90.0	6.730	0.742	1538.662	0.04%	100.00%

Zonal flux distribution table

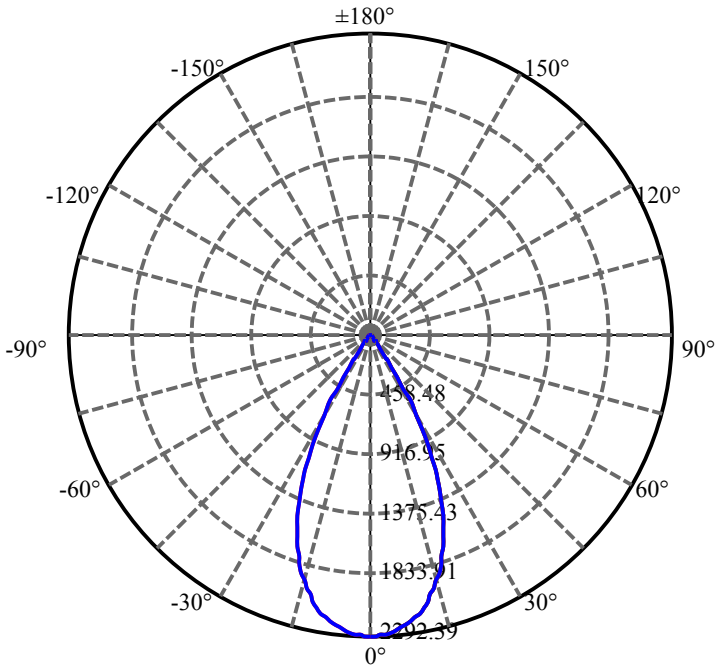
ZONAL LUMEN SUMMARY

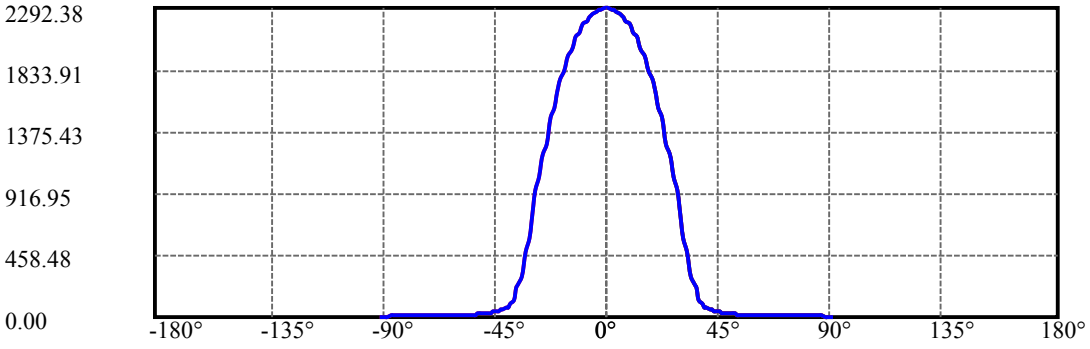
Zone	Lumens	%Lamp	%Fixt
0-30	1291.21	76.68%	83.92%
0-40	1463.28	86.89%	95.10%
0-60	1508.85	89.60%	98.06%
0-90	1537.92	91.33%	99.95%
0-120	1537.92	91.33%	99.95%
0-180	1538.66	91.37%	100.00%
60-90	29.07	1.73%	1.89%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-28.58	1230.93	73.10%	80.00%

ZONAL LUMEN SUMMARY

0-10	211.56
10-20	536.37
20-30	543.28
30-40	172.07
40-50	29.70
50-60	15.88
60-70	11.89
70-80	9.86
80-90	7.31
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):

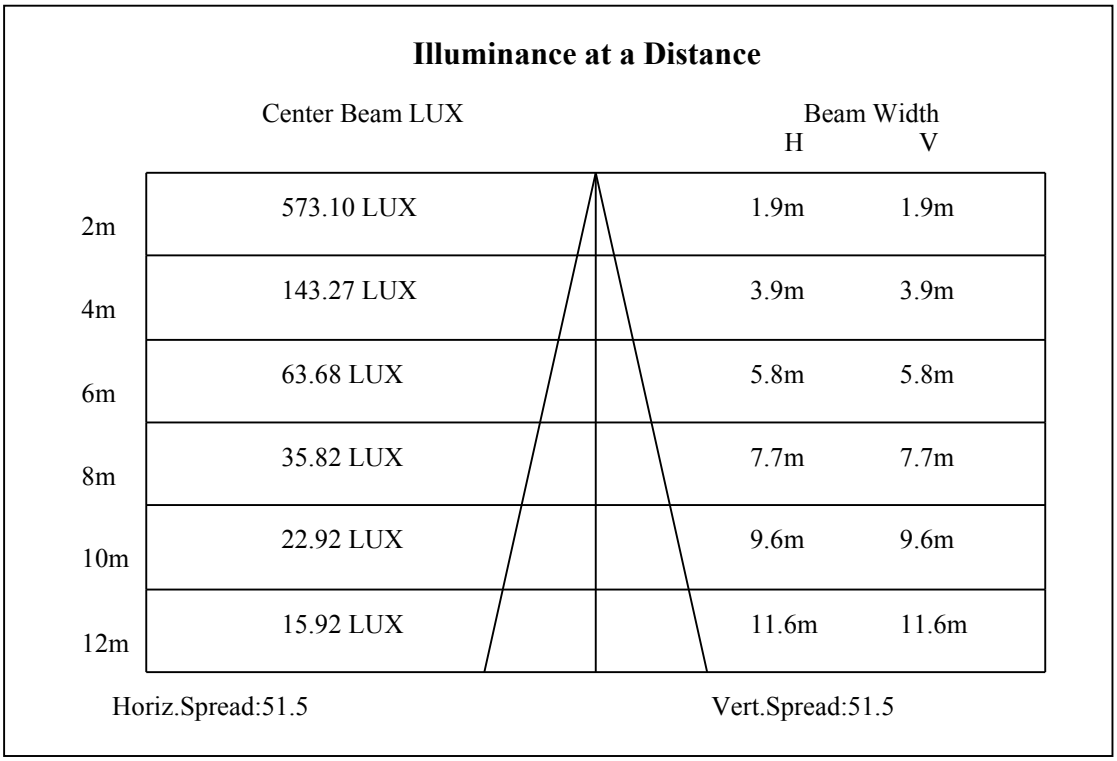
C0/C180:

C90/C270:

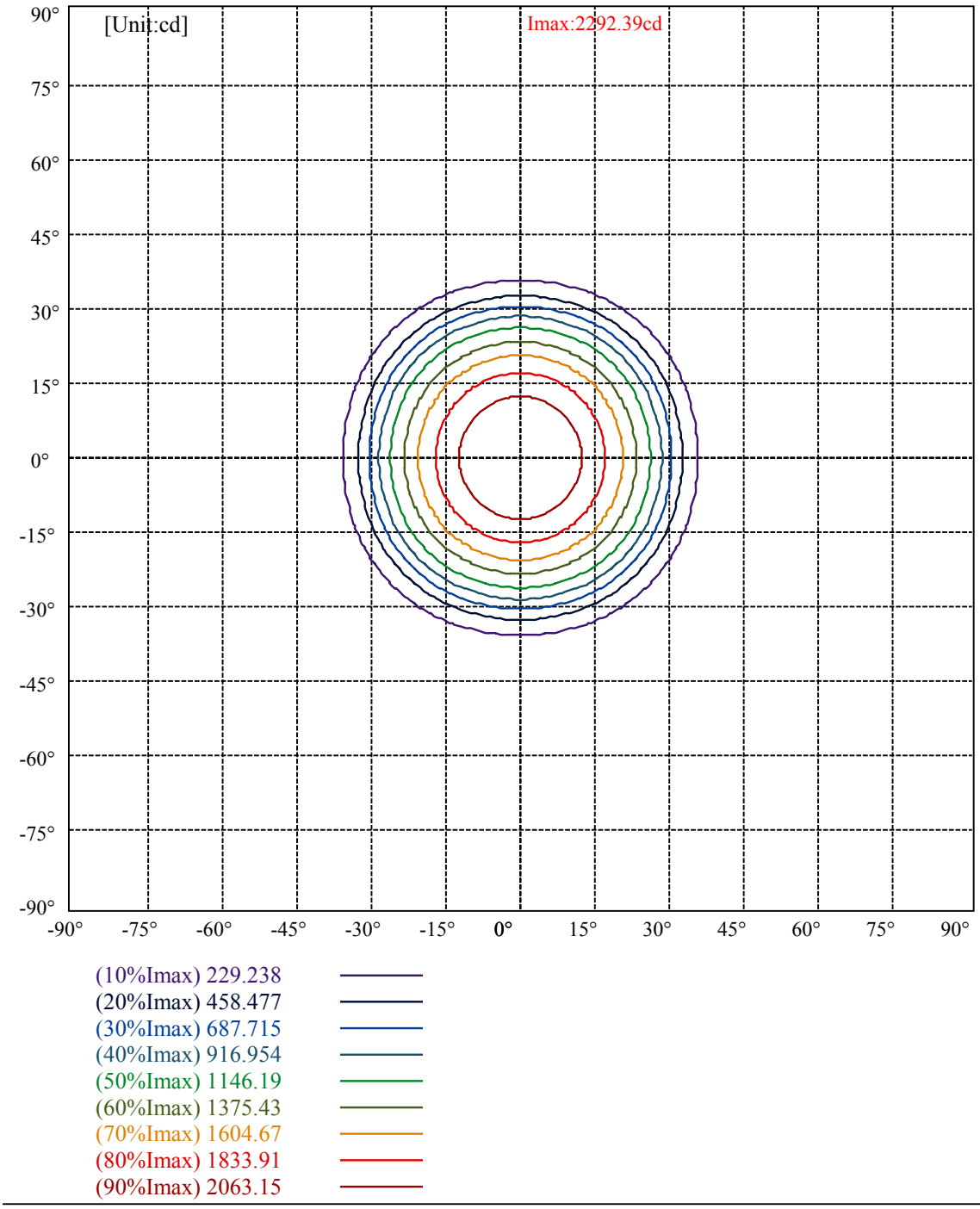
Field angle(10%Imax):C0/180Left:35.3 Right:35.3
:C90/270Left:35.3 Right:35.3

Beam Angle(50%Imax):C0/180Left:25.9 Right:25.9
:C90/270Left:25.9 Right:25.9

Lux distance Curve



ISO-Intensity(V-H)



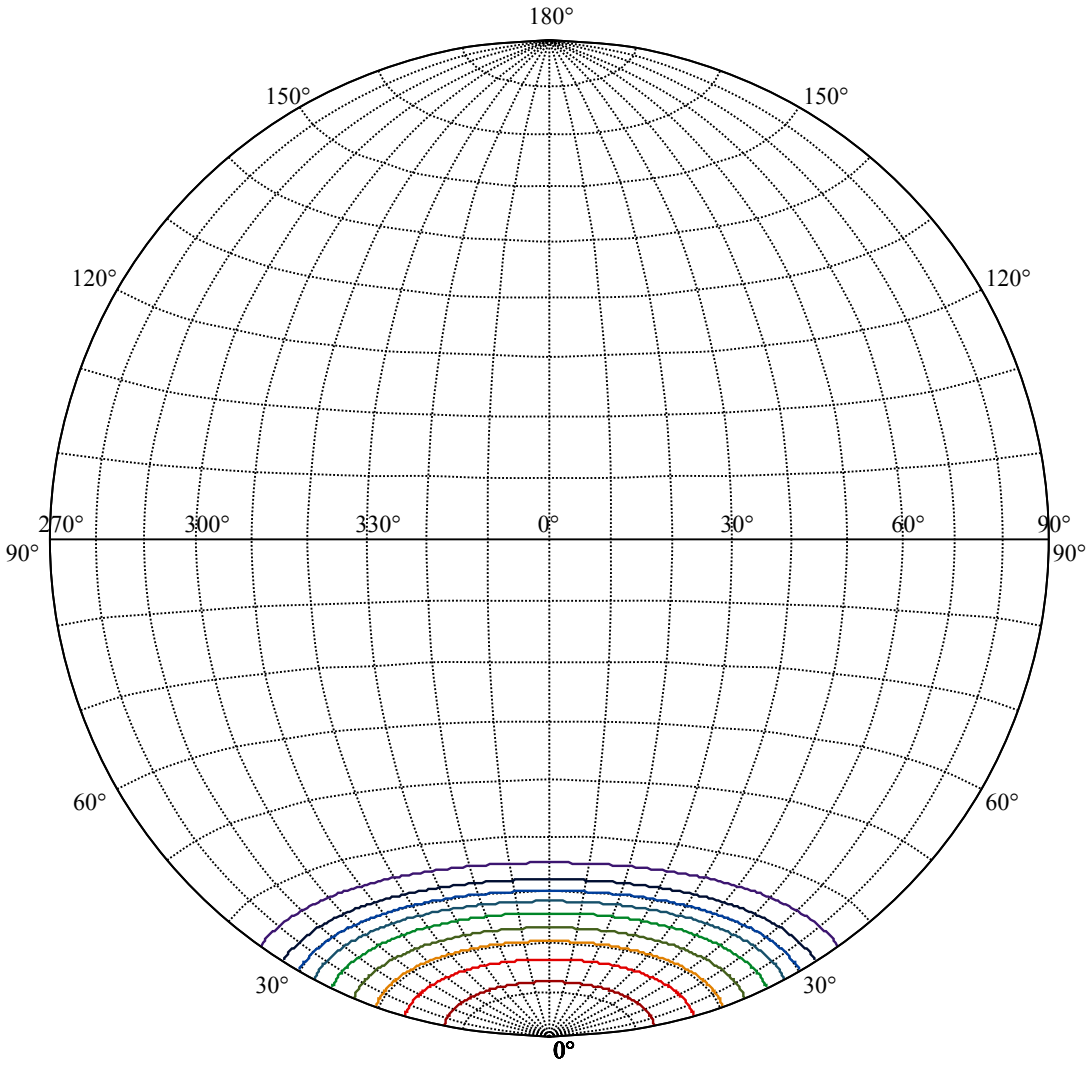
(10%Imax) 229.238
(20%Imax) 458.477
(30%Imax) 687.715
(40%Imax) 916.954
(50%Imax) 1146.19
(60%Imax) 1375.43
(70%Imax) 1604.67
(80%Imax) 1833.91
(90%Imax) 2063.15

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



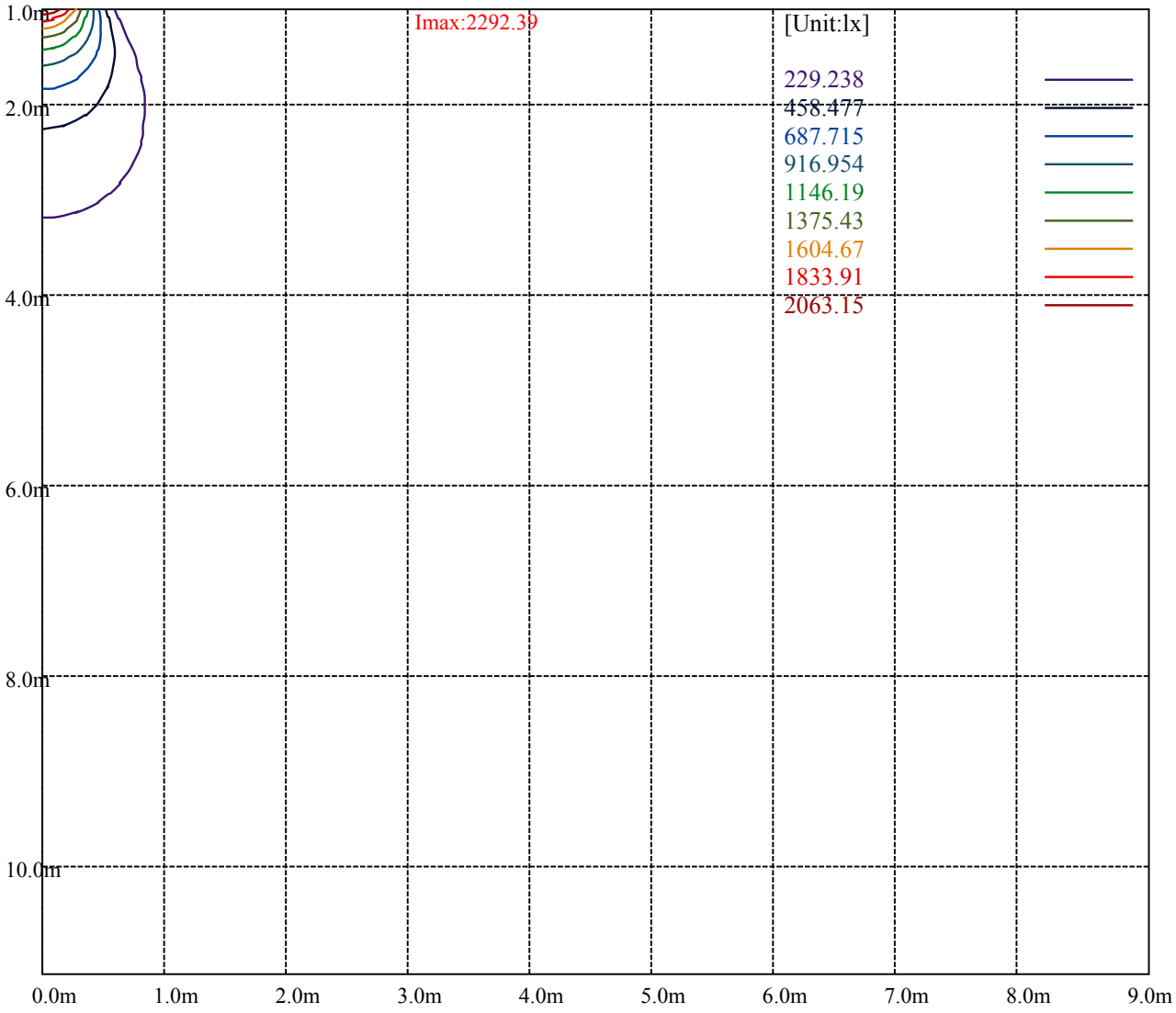
House [Unit:cd] Road

Imax:2292.39

(10%Imax) 229.238
(20%Imax) 458.477
(30%Imax) 687.715
(40%Imax) 916.954
(50%Imax) 1146.19
(60%Imax) 1375.43
(70%Imax) 1604.67
(80%Imax) 1833.91
(90%Imax) 2063.15

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

Luminance Limitting Curve(no luminous side)

Luminance Table

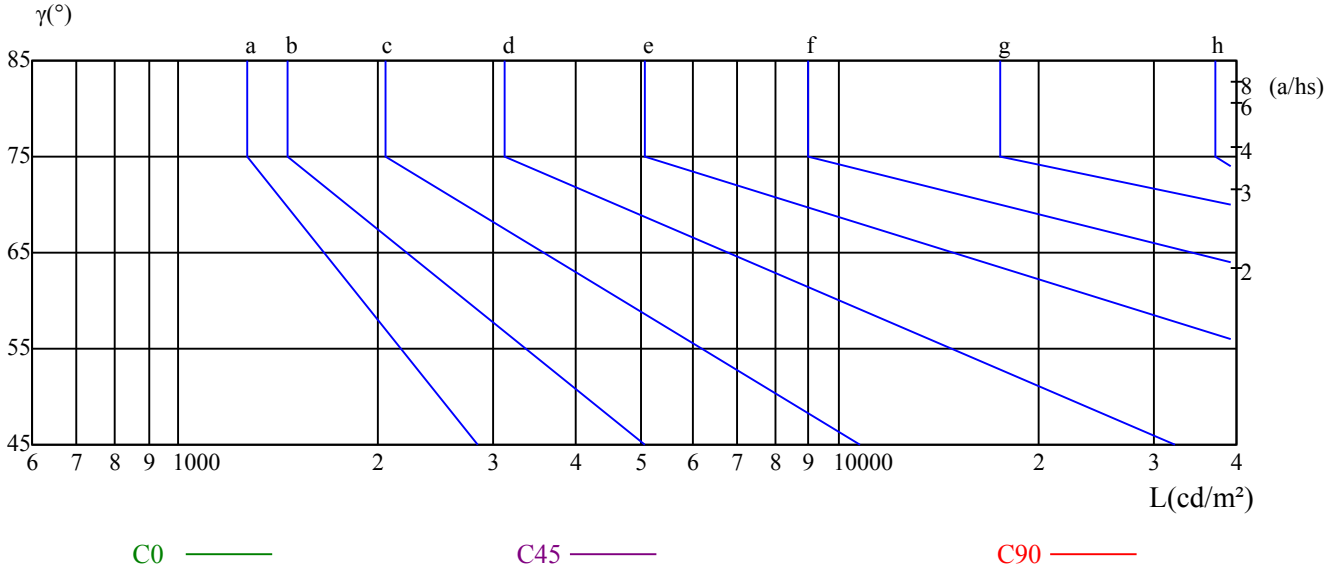
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

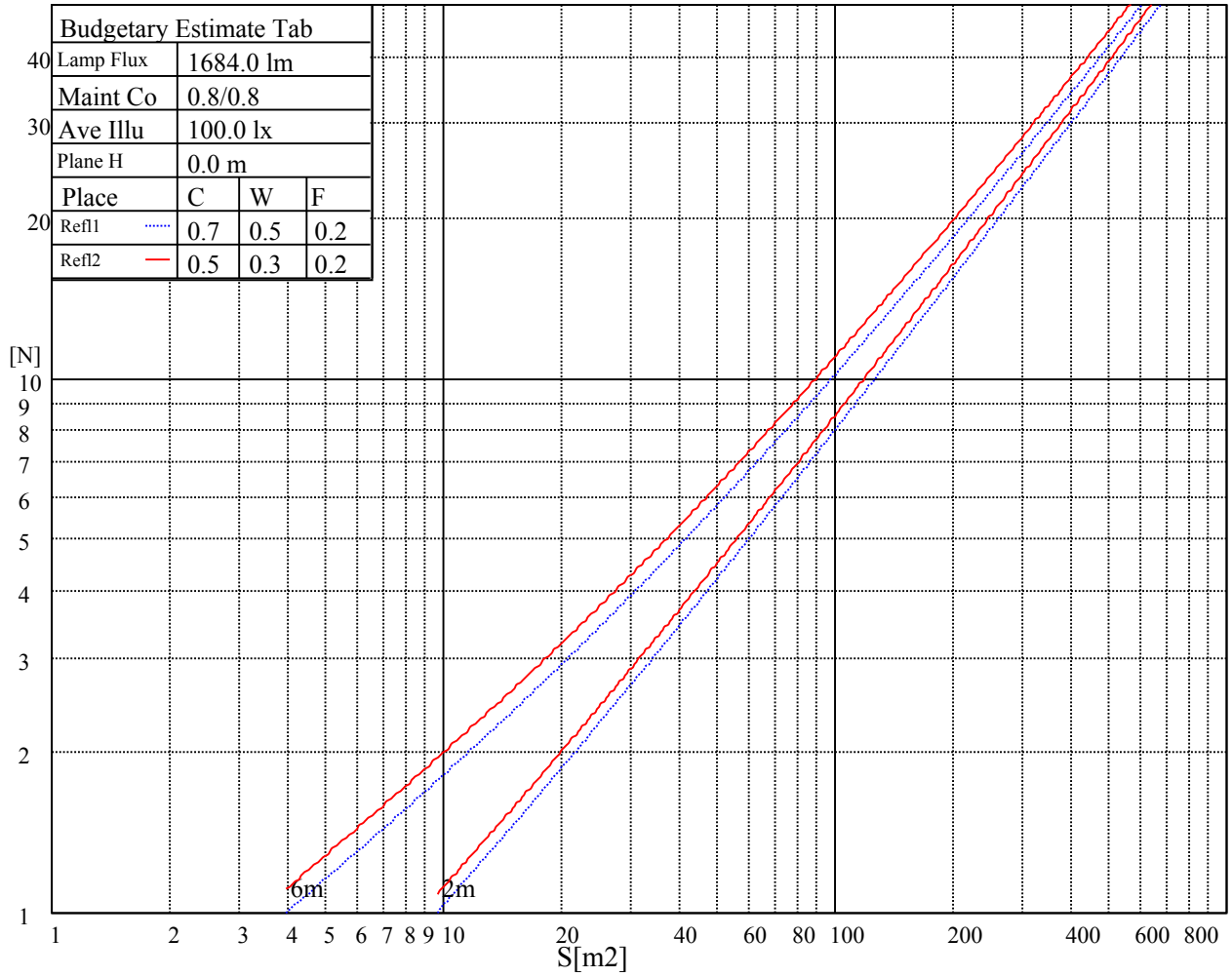
Luminance Limitting Curve



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

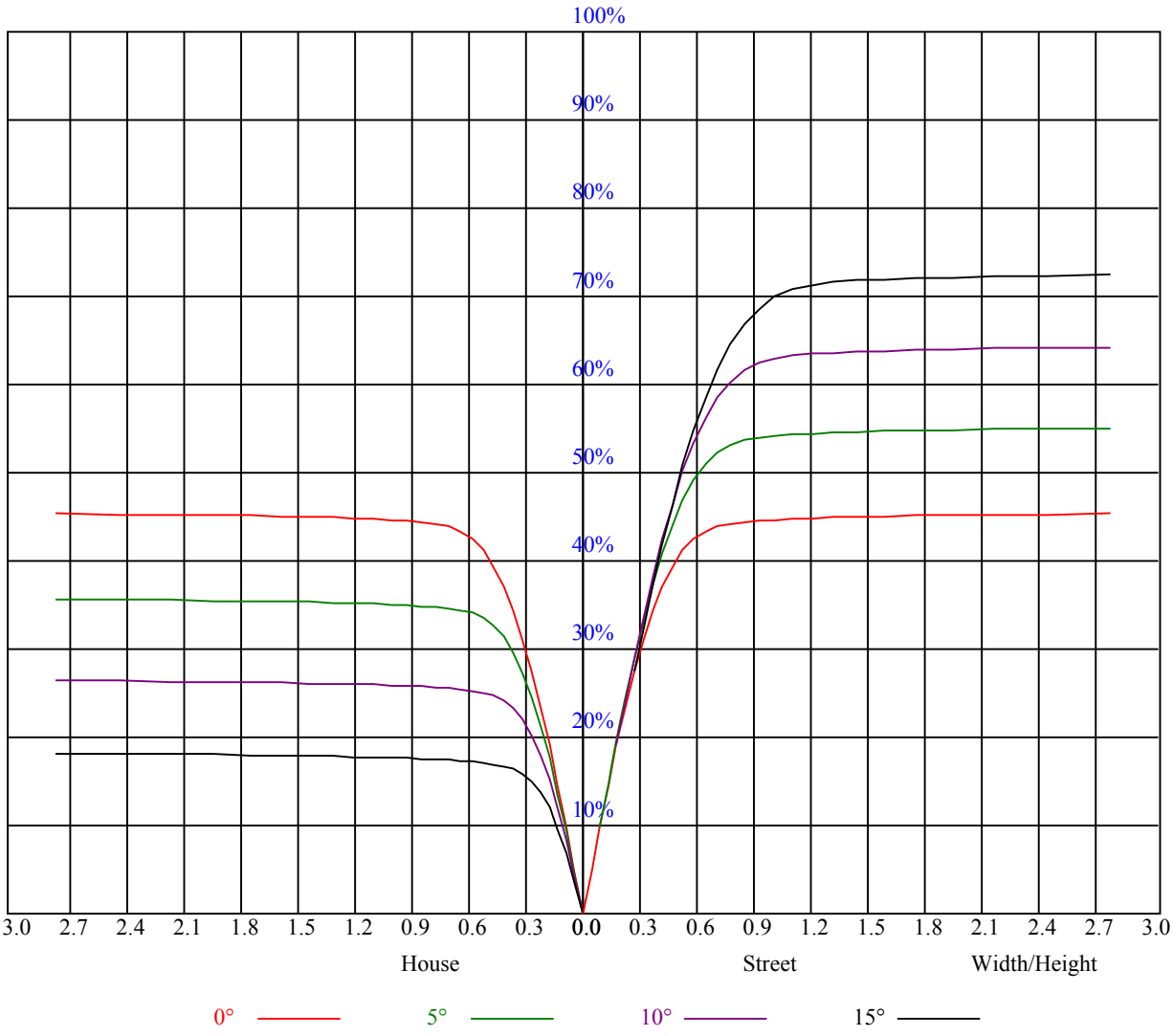


Equipment: GMS1980 Date: 2024/8/3 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

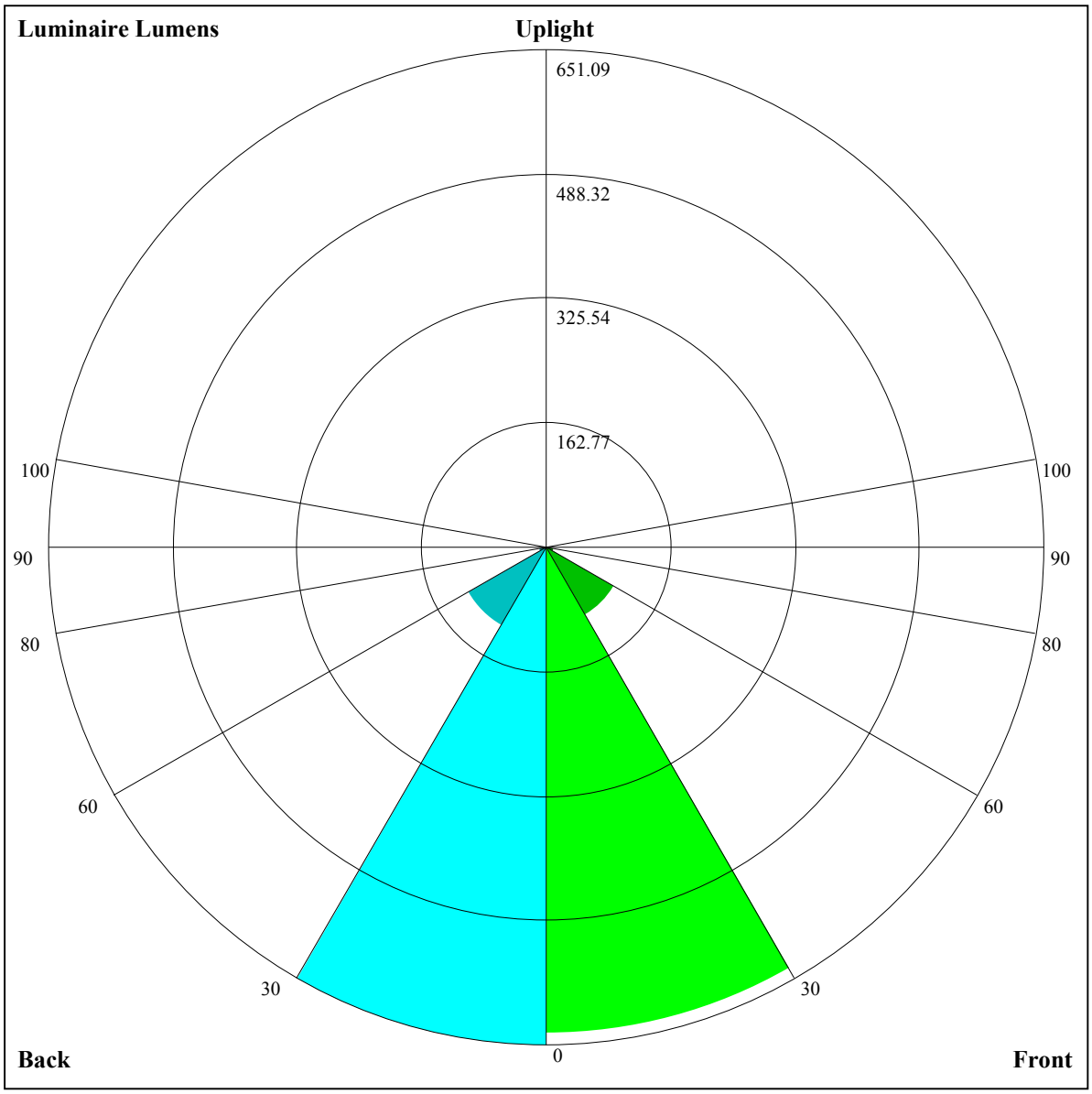
Utilization factor table for indoor luminaire

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	1.06	1.06	1.06	1.02	1.02	1.02	0.97	0.97	0.97	0.93	0.93	0.93	0.91
1	1.01	0.99	0.97	0.99	0.97	0.96	0.96	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.87	0.86
2	0.95	0.91	0.88	0.93	0.90	0.87	0.90	0.88	0.85	0.88	0.86	0.84	0.85	0.83	0.82	0.80
3	0.89	0.85	0.81	0.88	0.84	0.81	0.85	0.82	0.79	0.83	0.81	0.78	0.81	0.79	0.77	0.76
4	0.84	0.79	0.76	0.83	0.79	0.75	0.81	0.77	0.74	0.79	0.76	0.73	0.78	0.75	0.73	0.71
5	0.79	0.74	0.71	0.78	0.74	0.70	0.77	0.73	0.70	0.75	0.72	0.69	0.74	0.71	0.69	0.67
6	0.75	0.70	0.66	0.74	0.70	0.66	0.73	0.69	0.66	0.72	0.68	0.65	0.71	0.67	0.65	0.64
7	0.71	0.66	0.63	0.71	0.66	0.63	0.70	0.65	0.62	0.68	0.65	0.62	0.68	0.64	0.62	0.60
8	0.68	0.63	0.59	0.67	0.62	0.59	0.66	0.62	0.59	0.65	0.62	0.59	0.65	0.61	0.58	0.57
9	0.64	0.60	0.56	0.64	0.59	0.56	0.63	0.59	0.56	0.62	0.59	0.56	0.62	0.58	0.56	0.54
10	0.62	0.57	0.53	0.61	0.56	0.53	0.60	0.56	0.53	0.60	0.56	0.53	0.59	0.56	0.53	0.52

Coefficient Utilization Curve



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



Luminaire Lumens:
FL=635.05,FM=102.71,FH=10.8,FVH=3.99
BL=651.09,BM=117.39,BH=11.01,BVH=4.05
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	2286.53	2281.27	2273.66	2257.27	2239.71	2231.52	2213.96	2191.73	2172.41
45.0	2295.90	2285.95	2271.32	2263.12	2242.06	2231.52	2209.28	2185.87	2151.35
90.0	2289.46	2278.34	2259.03	2243.81	2233.28	2206.94	2175.93	2143.74	2112.14
135.0	2297.65	2297.07	2287.12	2283.02	2269.56	2252.00	2229.18	2201.67	2171.83
180.0	2286.53	2290.04	2290.63	2286.53	2278.92	2264.29	2247.91	2228.60	2211.04
225.0	2295.90	2292.38	2296.48	2294.14	2284.78	2268.98	2257.86	2252.59	2242.06
270.0	2289.46	2296.48	2302.92	2308.77	2307.02	2303.50	2294.73	2280.10	2276.00
315.0	2297.65	2306.43	2300.58	2292.38	2280.68	2264.29	2249.08	2236.79	2229.77
360.0	2286.53	2281.27	2273.66	2257.27	2239.71	2231.52	2213.96	2191.73	2172.41

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	2144.32	2120.91	2093.99	2060.05	2024.94	1985.73	1927.20	1869.85	1793.77
45.0	2127.94	2103.36	2063.56	2030.79	1983.39	1937.15	1883.90	1836.49	1777.39
90.0	2068.24	2026.69	1986.90	1923.69	1869.27	1811.33	1750.47	1709.50	1658.00
135.0	2140.81	2111.55	2077.02	2023.77	1978.12	1940.08	1879.22	1832.40	1779.14
180.0	2187.63	2163.64	2140.23	2102.19	2058.88	2014.40	1970.51	1928.37	1875.12
225.0	2219.82	2195.82	2168.90	2133.20	2087.56	2048.35	2002.70	1950.61	1891.51
270.0	2265.46	2243.23	2216.31	2178.85	2140.23	2103.36	2067.66	2009.72	1959.39
315.0	2217.48	2189.97	2159.54	2124.43	2077.02	2026.69	1976.95	1918.43	1860.49
360.0	2144.32	2120.91	2093.99	2060.05	2024.94	1985.73	1927.20	1869.85	1793.77

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1729.40	1667.95	1595.38	1505.26	1430.93	1351.93	1159.80	1159.80	1069.26
45.0	1720.62	1660.34	1601.82	1523.98	1456.68	1387.63	1315.06	1220.25	1140.66
90.0	1606.50	1542.13	1485.36	1424.50	1364.80	1159.21	1159.21	1122.11	1040.35
135.0	1722.96	1672.63	1620.55	1550.90	1488.29	1424.50	1356.02	1270.00	1199.77
180.0	1830.06	1769.78	1711.26	1641.61	1555.59	1481.26	1409.87	1336.71	1241.91
225.0	1832.40	1768.61	1676.14	1598.31	1514.04	1410.45	1269.41	1148.21	1125.50
270.0	1904.38	1837.67	1755.15	1680.24	1595.97	1494.14	1403.43	1298.67	1204.45
315.0	1797.87	1708.92	1628.15	1543.88	1437.37	1357.20	1146.57	1146.57	1080.50
360.0	1729.40	1667.95	1595.38	1505.26	1430.93	1351.93	1159.80	1159.80	1069.26

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	965.33	854.37	719.89	610.80	480.06	386.95	303.85	214.95	157.13
45.0	1032.40	928.23	827.57	697.06	593.48	492.82	401.52	302.03	302.03
90.0	944.14	819.90	716.32	610.92	485.56	392.92	312.16	242.58	174.05
135.0	1119.01	1028.88	904.23	799.48	688.28	558.95	461.22	349.44	309.06
180.0	1161.14	1065.75	954.56	815.86	702.91	596.99	471.75	379.28	296.77
225.0	1027.25	922.90	810.30	674.71	570.83	471.16	379.11	279.97	213.96
270.0	1123.11	991.43	885.50	774.31	660.78	529.69	431.95	344.76	304.96
315.0	978.79	870.76	755.35	615.60	511.08	413.11	304.84	231.05	157.95
360.0	965.33	854.37	719.89	610.80	480.06	386.95	303.85	214.95	157.13

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	115.76	90.48	72.33	61.68	53.96	47.64	41.32	37.34	33.88
45.0	218.93	128.63	95.86	79.59	68.00	59.22	50.50	44.77	39.03
90.0	136.06	111.43	93.69	76.78	67.13	59.28	51.38	46.17	40.79
135.0	309.06	144.08	113.88	93.69	78.77	65.55	57.59	50.86	45.30
180.0	296.77	150.40	115.87	90.12	76.25	65.60	57.47	49.57	44.48
225.0	161.87	116.99	95.22	76.49	65.72	57.59	51.21	44.77	40.50
270.0	304.96	138.58	107.56	84.39	71.98	62.74	53.84	47.99	43.01
315.0	117.69	91.65	75.96	62.03	53.84	47.23	42.02	36.58	32.95
360.0	115.76	90.48	72.33	61.68	53.96	47.64	41.32	37.34	33.88

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	30.31	27.92	25.93	23.88	22.41	20.78	19.72	18.79	17.97
45.0	35.17	32.01	28.56	26.34	24.46	22.36	21.07	19.78	18.67
90.0	37.34	34.24	31.49	28.79	26.86	25.22	23.64	21.95	20.78
135.0	39.68	35.87	32.66	29.14	26.86	24.87	22.82	21.42	20.19
180.0	40.32	35.93	32.95	30.31	28.15	25.81	24.23	22.41	21.07
225.0	36.81	33.59	30.26	28.03	26.10	23.88	22.30	20.66	19.49
270.0	37.63	34.00	31.08	28.56	26.10	24.46	23.06	21.71	20.31
315.0	29.85	27.33	24.58	22.88	21.13	19.84	18.73	17.56	16.80
360.0	30.31	27.92	25.93	23.88	22.41	20.78	19.72	18.79	17.97

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	17.15	16.15	15.39	14.81	14.28	13.75	13.40	12.93	12.64
45.0	17.50	16.62	15.86	15.22	14.51	13.99	13.46	13.05	12.64
90.0	19.72	18.55	17.38	16.50	15.57	14.98	14.34	13.75	13.34
135.0	18.84	17.85	16.85	16.04	15.10	14.46	13.93	13.46	12.93
180.0	19.90	18.67	17.73	16.80	16.04	15.10	14.57	14.10	13.64
225.0	18.43	17.50	16.39	15.57	14.86	14.22	13.58	13.05	12.64
270.0	19.37	18.43	17.44	16.74	16.04	15.39	14.98	14.46	13.69
315.0	16.04	15.27	14.75	14.28	13.87	13.34	12.99	12.64	12.29
360.0	17.15	16.15	15.39	14.81	14.28	13.75	13.40	12.93	12.64

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	12.41	12.06	11.82	11.53	11.24	11.00	10.83	10.59	10.30
45.0	12.29	12.00	11.70	11.47	11.12	10.89	10.65	10.48	10.18
90.0	12.93	12.52	12.06	11.70	11.35	11.00	10.71	10.48	10.18
135.0	12.58	12.23	11.88	11.59	11.24	11.00	10.71	10.53	10.24
180.0	13.23	12.87	12.64	12.29	12.00	11.70	11.35	11.12	10.89
225.0	12.35	11.94	11.65	11.29	11.00	10.71	10.42	10.18	10.01
270.0	13.17	12.76	12.41	11.94	11.59	11.29	10.89	10.59	10.36
315.0	11.94	11.65	11.29	11.06	10.77	10.53	10.30	10.07	9.89
360.0	12.41	12.06	11.82	11.53	11.24	11.00	10.83	10.59	10.30

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	10.12	9.89	9.66	9.42	9.19	9.01	8.72	8.54	8.37
45.0	9.95	9.71	9.48	9.31	9.07	8.84	8.60	8.37	8.19
90.0	9.89	9.66	9.42	9.13	8.95	8.66	8.49	8.31	8.08
135.0	10.01	9.77	9.60	9.36	9.13	8.95	8.78	8.54	8.31
180.0	10.59	10.42	10.18	10.01	9.71	9.54	9.36	9.13	8.90
225.0	9.71	9.48	9.31	9.07	8.84	8.60	8.43	8.25	8.02
270.0	10.07	9.77	9.54	9.25	9.01	8.78	8.54	8.31	8.13
315.0	9.66	9.42	9.19	8.95	8.66	8.43	8.25	8.08	7.84
360.0	10.12	9.89	9.66	9.42	9.19	9.01	8.72	8.54	8.37

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	8.19	8.02	7.84	7.67	7.55	7.43	7.26	7.08	6.79
45.0	8.02	7.84	7.67	7.49	7.32	7.20	7.02	6.96	6.85
90.0	7.90	7.67	7.55	7.32	7.20	7.02	6.91	6.85	6.73
135.0	8.08	7.90	7.67	7.55	7.32	7.20	7.02	6.96	6.85
180.0	8.66	8.49	8.31	8.13	7.90	7.67	7.49	7.37	7.14
225.0	7.84	7.67	7.49	7.32	7.20	7.08	6.96	6.91	6.73
270.0	7.90	7.72	7.49	7.32	7.14	7.02	6.91	6.79	6.73
315.0	7.67	7.49	7.32	7.20	7.02	6.91	6.79	6.73	6.67
360.0	8.19	8.02	7.84	7.67	7.55	7.43	7.26	7.08	6.79

Intensity data(cd)

C/γ(°)	90.0
0.0	6.79
45.0	6.73
90.0	6.67
135.0	6.73
180.0	6.85
225.0	6.73
270.0	6.67
315.0	6.67
360.0	6.79