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

NT

Client:
LumCAT: 2-2685-L
Luminaire: 92.70.412.00
Report No: 2024314-B018
Ballast type: AC

Test No: 2024314-C018	Voltage(V): 34.560
LampCAT: BRIDGELUX V13B LES13	Current(A): 0.450
Lamp flux(lm): 2653.0	Power (W): 15.552
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 2243.57, Efficiency(%): 84.57% , Luminous Efficacy(lm/W): 144.26
Central intensity(cd): 3821.725, Maximum intensity(cd): 3821.725
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=45.4
[C90/270]Total=45.4
Field angle(10%Imax): [C0/180]Total=69.2
[C90/270]Total=69.2
Maximum s/h(1/2): C0_180=0.73 C90_270=0.73
Maximum s/h(1/4): C0_180=0.71 C90_270=0.71
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 84.57%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 97.901%

NT 2-2685-L

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	3821.724	0.000	0	0.00%	0.00%
1.0	3816.603	3.655	3.655	0.14%	0.16%
2.0	3803.802	10.938	14.592	0.41%	0.65%
3.0	3784.197	18.148	32.74	0.68%	1.46%
4.0	3758.373	25.247	57.988	0.95%	2.58%
5.0	3727.137	32.202	90.19	1.21%	4.02%
6.0	3691.585	38.987	129.177	1.47%	5.76%
7.0	3645.279	45.540	174.717	1.72%	7.79%
8.0	3583.025	51.732	226.449	1.95%	10.09%
9.0	3512.725	57.507	283.956	2.17%	12.66%
10.0	3431.598	62.844	346.8	2.37%	15.46%
11.0	3347.033	67.732	414.532	2.55%	18.48%
12.0	3258.152	72.204	486.736	2.72%	21.69%
13.0	3154.421	76.101	562.837	2.87%	25.09%
14.0	3053.324	79.459	642.296	3.00%	28.63%
15.0	2944.984	82.347	724.643	3.10%	32.30%
16.0	2826.037	84.562	809.205	3.19%	36.07%
17.0	2681.267	85.764	894.968	3.23%	39.89%
18.0	2554.785	86.331	981.3	3.25%	43.74%
19.0	2427.791	86.687	1067.986	3.27%	47.60%
20.0	2294.360	86.428	1154.415	3.26%	51.45%
21.0	2152.443	85.388	1239.802	3.22%	55.26%
22.0	2014.403	83.735	1323.537	3.16%	58.99%
23.0	1873.730	81.584	1405.12	3.08%	62.63%
24.0	1738.177	78.969	1484.09	2.98%	66.15%
25.0	1558.893	74.968	1559.058	2.83%	69.49%
26.0	1418.029	70.271	1629.328	2.65%	72.62%
27.0	1260.187	65.523	1694.851	2.47%	75.54%
28.0	1164.108	61.378	1756.229	2.31%	78.28%
29.0	1030.428	57.415	1813.645	2.16%	80.84%
30.0	884.516	51.703	1865.348	1.95%	83.14%
31.0	758.986	45.736	1911.084	1.72%	85.18%
32.0	639.358	40.061	1951.145	1.51%	86.97%
33.0	531.297	34.488	1985.633	1.30%	88.50%
34.0	427.448	29.014	2014.647	1.09%	89.80%
35.0	355.005	24.300	2038.948	0.92%	90.88%
36.0	299.035	20.825	2059.772	0.78%	91.81%
37.0	261.391	18.278	2078.05	0.69%	92.62%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	209.723	15.725	2093.775	0.59%	93.32%
39.0	174.002	13.098	2106.873	0.49%	93.91%
40.0	135.633	10.799	2117.672	0.41%	94.39%
41.0	112.978	8.853	2126.525	0.33%	94.78%
42.0	94.024	7.521	2134.046	0.28%	95.12%
43.0	79.847	6.441	2140.486	0.24%	95.41%
44.0	68.523	5.600	2146.086	0.21%	95.65%
45.0	59.854	4.934	2151.02	0.19%	95.87%
46.0	52.831	4.407	2155.427	0.17%	96.07%
47.0	47.315	3.983	2159.41	0.15%	96.25%
48.0	43.636	3.677	2163.086	0.14%	96.41%
49.0	40.549	3.457	2166.544	0.13%	96.57%
50.0	37.893	3.271	2169.814	0.12%	96.71%
51.0	35.677	3.113	2172.927	0.12%	96.85%
52.0	33.855	2.984	2175.91	0.11%	96.98%
53.0	32.224	2.874	2178.785	0.11%	97.11%
54.0	30.651	2.771	2181.556	0.10%	97.24%
55.0	29.415	2.681	2184.237	0.10%	97.36%
56.0	28.208	2.604	2186.841	0.10%	97.47%
57.0	27.111	2.529	2189.37	0.10%	97.58%
58.0	25.947	2.454	2191.824	0.09%	97.69%
59.0	24.748	2.370	2194.194	0.09%	97.80%
60.0	23.599	2.284	2196.478	0.09%	97.90%
61.0	22.443	2.197	2198.675	0.08%	98.00%
62.0	21.405	2.113	2200.788	0.08%	98.09%
63.0	20.329	2.030	2202.818	0.08%	98.18%
64.0	19.378	1.948	2204.766	0.07%	98.27%
65.0	18.493	1.874	2206.641	0.07%	98.35%
66.0	17.710	1.806	2208.447	0.07%	98.43%
67.0	17.023	1.746	2210.193	0.07%	98.51%
68.0	16.650	1.706	2211.899	0.06%	98.59%
69.0	16.372	1.685	2213.584	0.06%	98.66%
70.0	16.138	1.670	2215.253	0.06%	98.74%
71.0	15.962	1.659	2216.912	0.06%	98.81%
72.0	15.794	1.651	2218.564	0.06%	98.89%
73.0	15.655	1.645	2220.208	0.06%	98.96%
74.0	15.508	1.638	2221.846	0.06%	99.03%
75.0	15.377	1.632	2223.478	0.06%	99.10%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	15.230	1.625	2225.103	0.06%	99.18%
77.0	15.070	1.615	2226.719	0.06%	99.25%
78.0	14.872	1.603	2228.321	0.06%	99.32%
79.0	14.609	1.584	2229.905	0.06%	99.39%
80.0	14.104	1.548	2231.453	0.06%	99.46%
81.0	13.643	1.501	2232.954	0.06%	99.53%
82.0	12.999	1.445	2234.399	0.05%	99.59%
83.0	12.173	1.368	2235.767	0.05%	99.65%
84.0	11.317	1.280	2237.047	0.05%	99.71%
85.0	10.607	1.197	2238.243	0.05%	99.76%
86.0	10.102	1.132	2239.375	0.04%	99.81%
87.0	9.744	1.086	2240.461	0.04%	99.86%
88.0	9.503	1.054	2241.516	0.04%	99.91%
89.0	9.371	1.034	2242.55	0.04%	99.95%
90.0	9.290	1.023	2243.573	0.04%	100.00%

Zonal flux distribution table

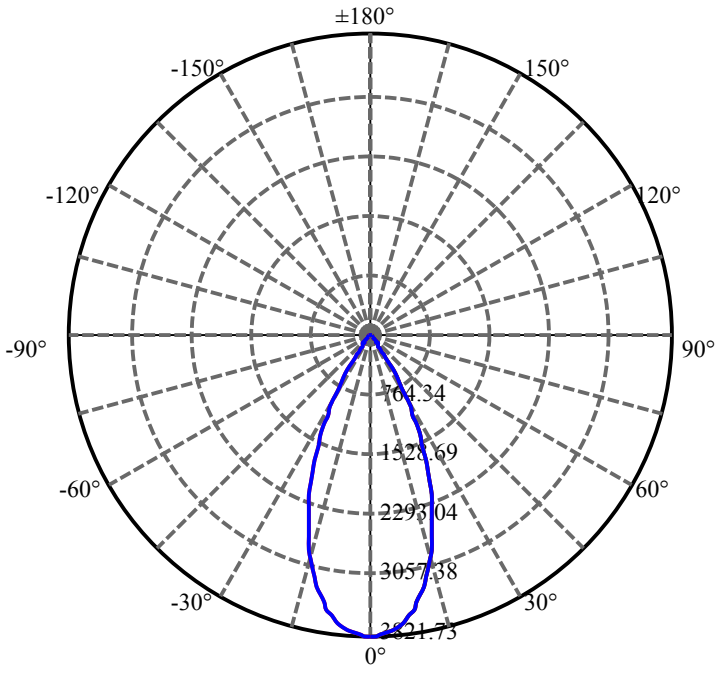
ZONAL LUMEN SUMMARY

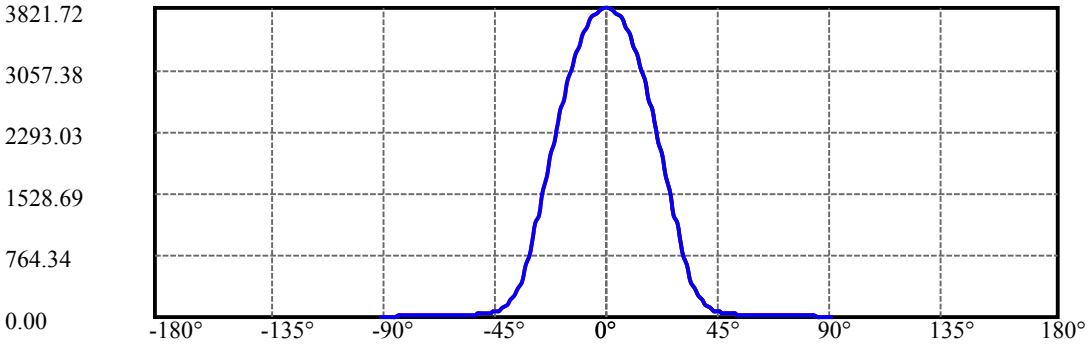
Zone	Lumens	%Lamp	%Fixt
0-30	1865.35	70.31%	83.14%
0-40	2117.67	79.82%	94.39%
0-60	2196.48	82.79%	97.90%
0-90	2242.55	84.53%	99.95%
0-120	2242.55	84.53%	99.95%
0-180	2243.57	84.57%	100.00%
60-90	46.07	1.74%	2.05%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-28.67	1794.86	67.65%	80.00%

ZONAL LUMEN SUMMARY

0-10	346.80
10-20	807.62
20-30	710.93
30-40	252.32
40-50	52.14
50-60	26.66
60-70	18.78
70-80	16.20
80-90	11.10
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):

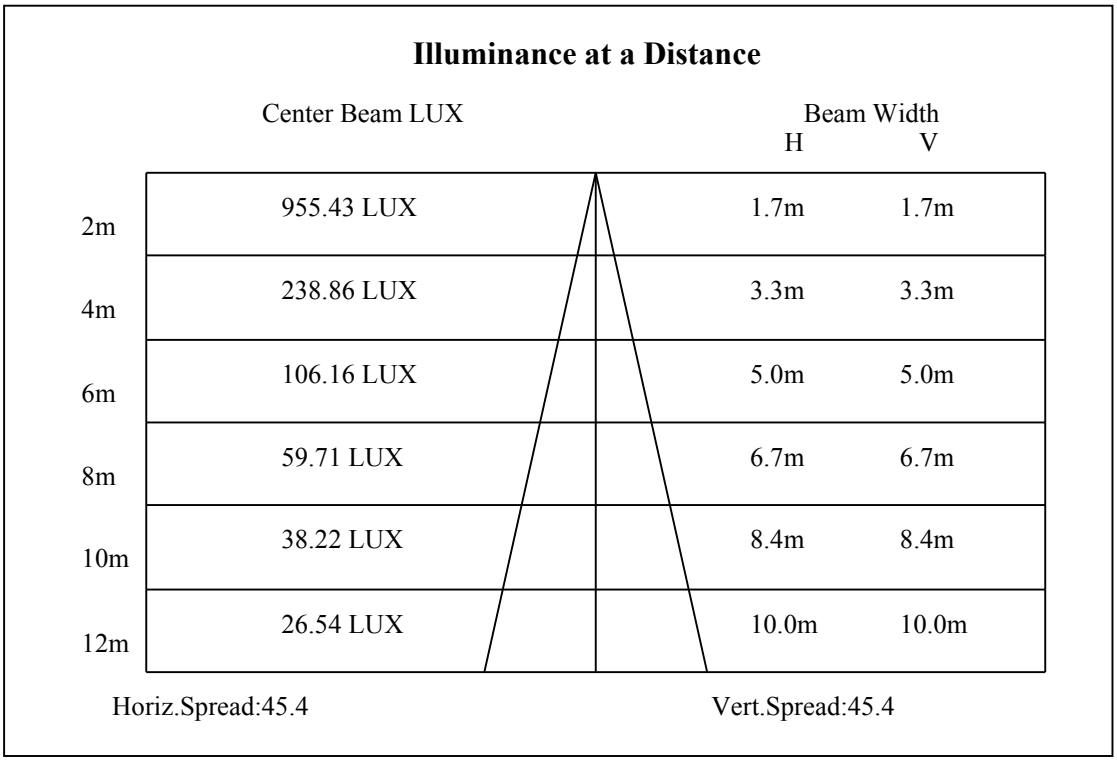
C0/C180:

C90/C270:

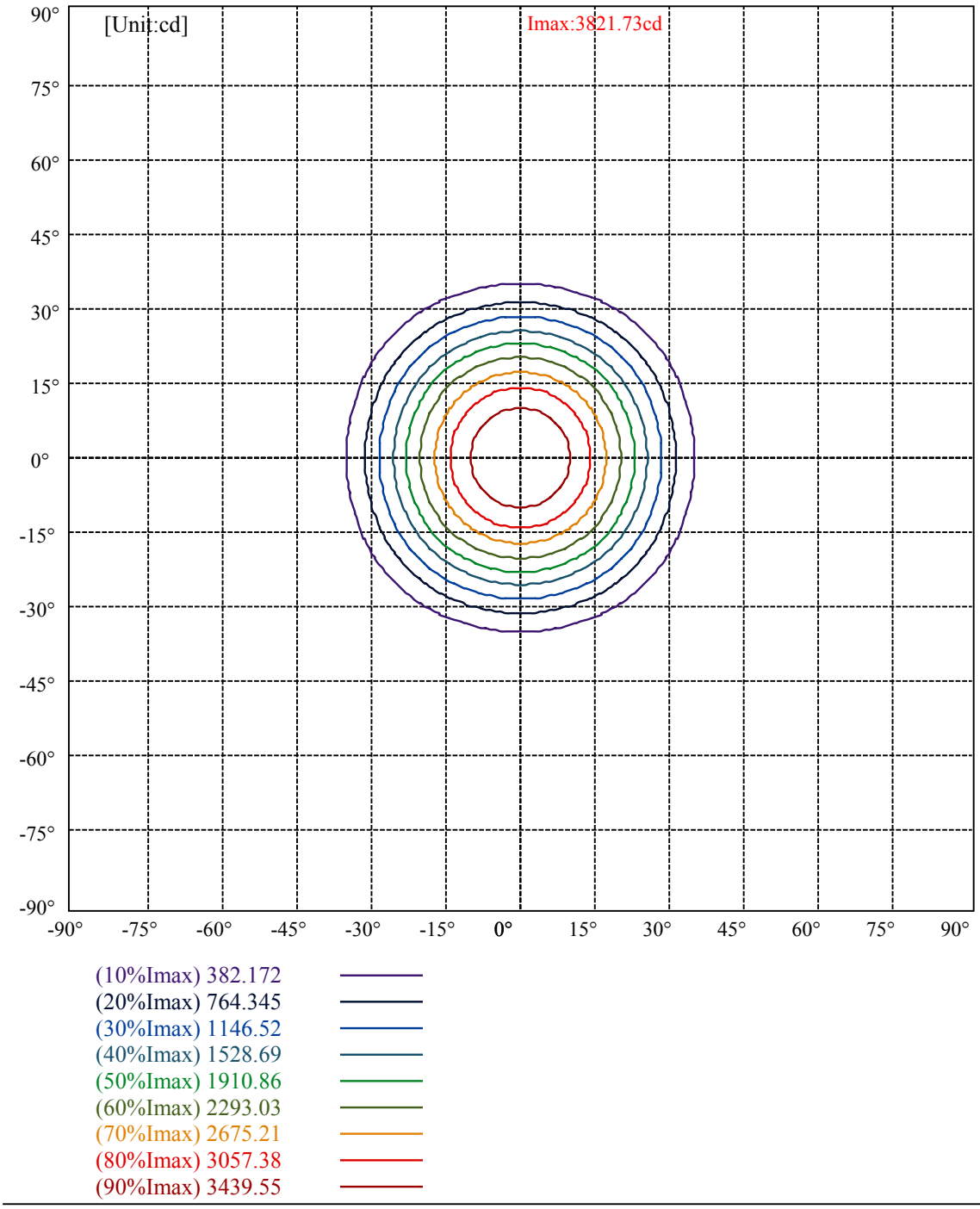
Field angle(10%Imax):C0/180Left:34.6 Right:34.6
:C90/270Left:34.6 Right:34.6

Beam Angle(50%Imax):C0/180Left:22.7 Right:22.7
:C90/270Left:22.7 Right:22.7

Lux distance Curve



ISO-Intensity(V-H)



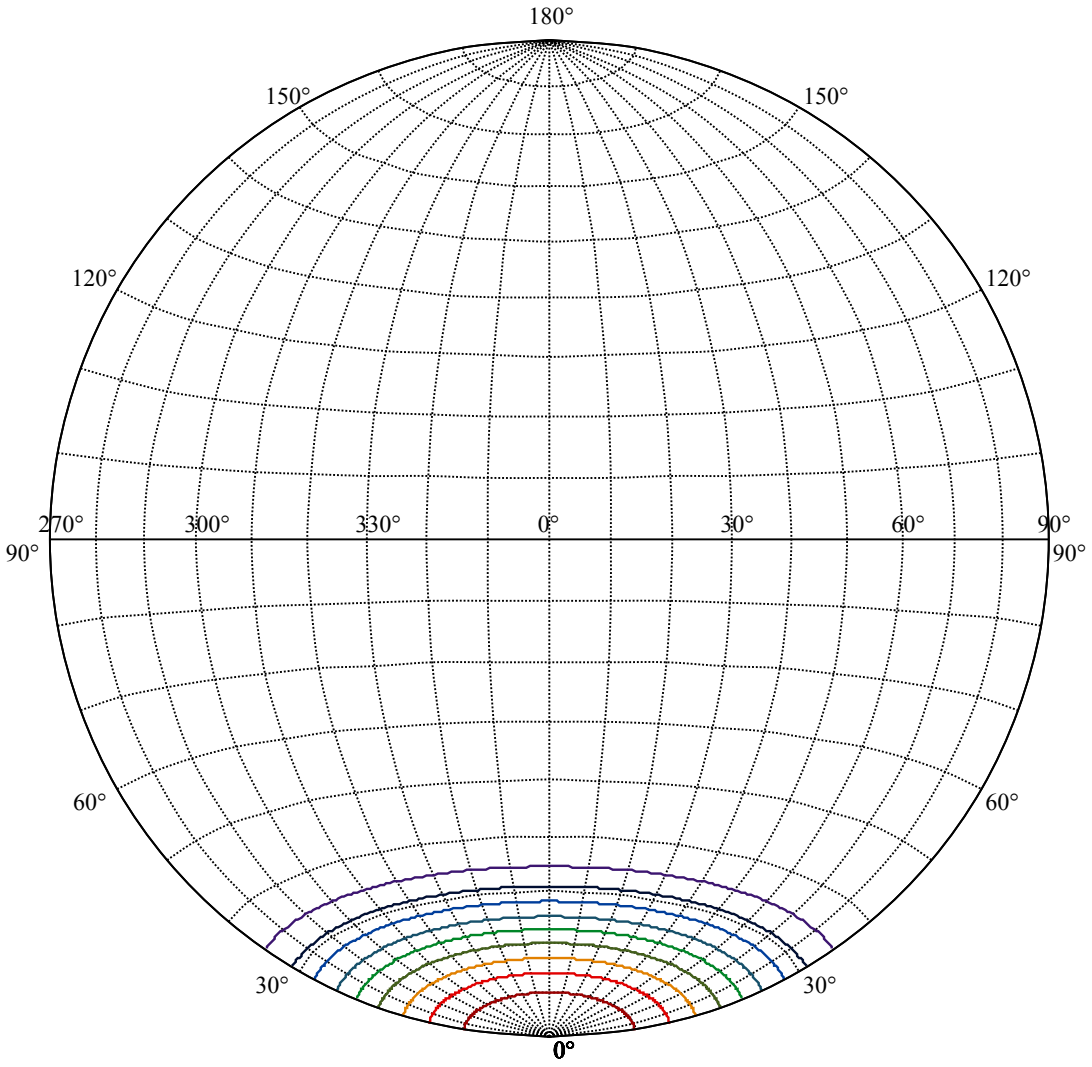
(10%Imax) 382.172
(20%Imax) 764.345
(30%Imax) 1146.52
(40%Imax) 1528.69
(50%Imax) 1910.86
(60%Imax) 2293.03
(70%Imax) 2675.21
(80%Imax) 3057.38
(90%Imax) 3439.55

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/3/14
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

ISO candela diagram on circular web



[Unit:cd]

Imax:3821.73

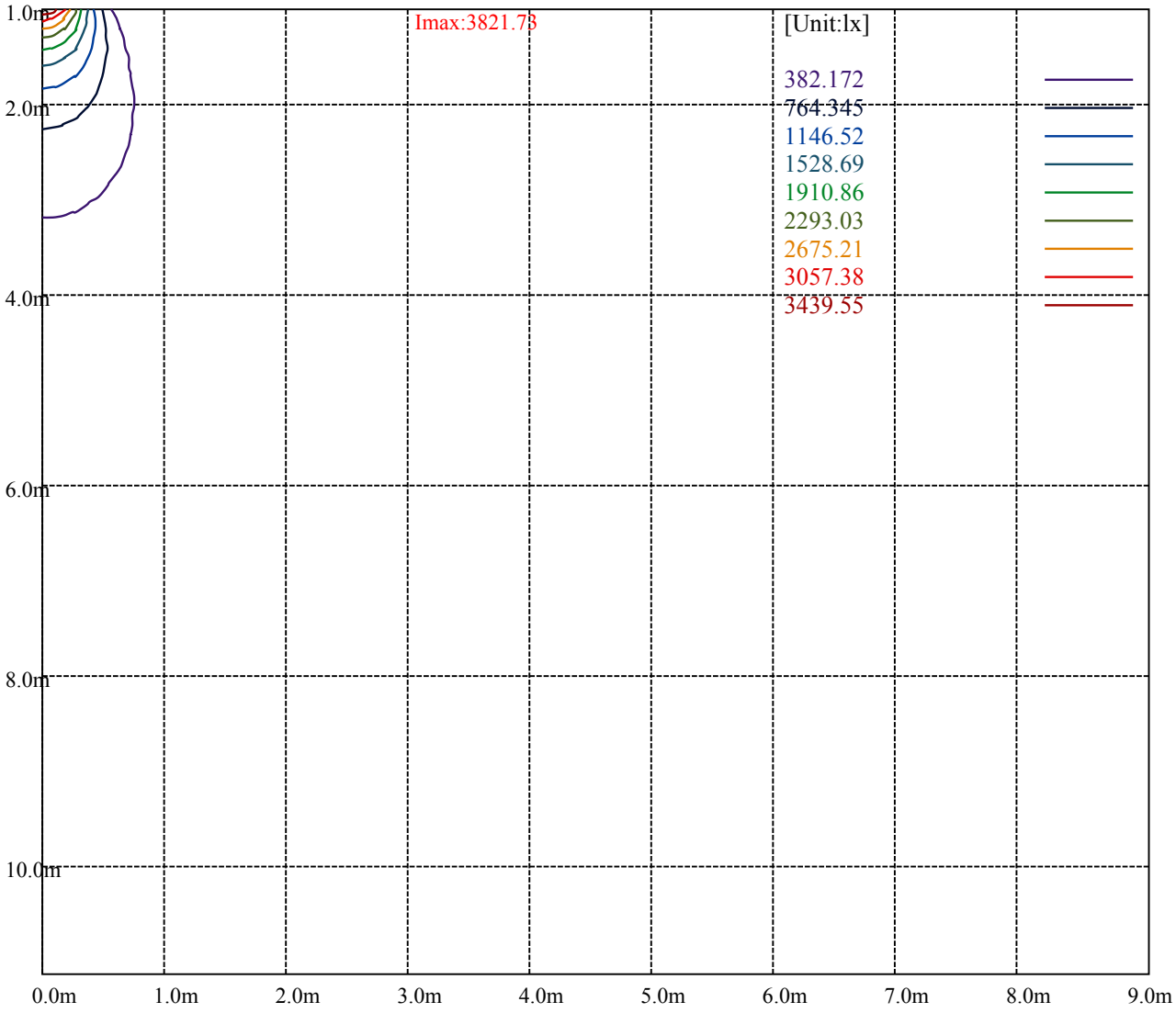
(10%Imax) 382.172
(20%Imax) 764.345
(30%Imax) 1146.52
(40%Imax) 1528.69
(50%Imax) 1910.86
(60%Imax) 2293.03
(70%Imax) 2675.21
(80%Imax) 3057.38
(90%Imax) 3439.55

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/3/14
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/3/14
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

Luminance Limitting Curve(no luminous side)

Luminance Table

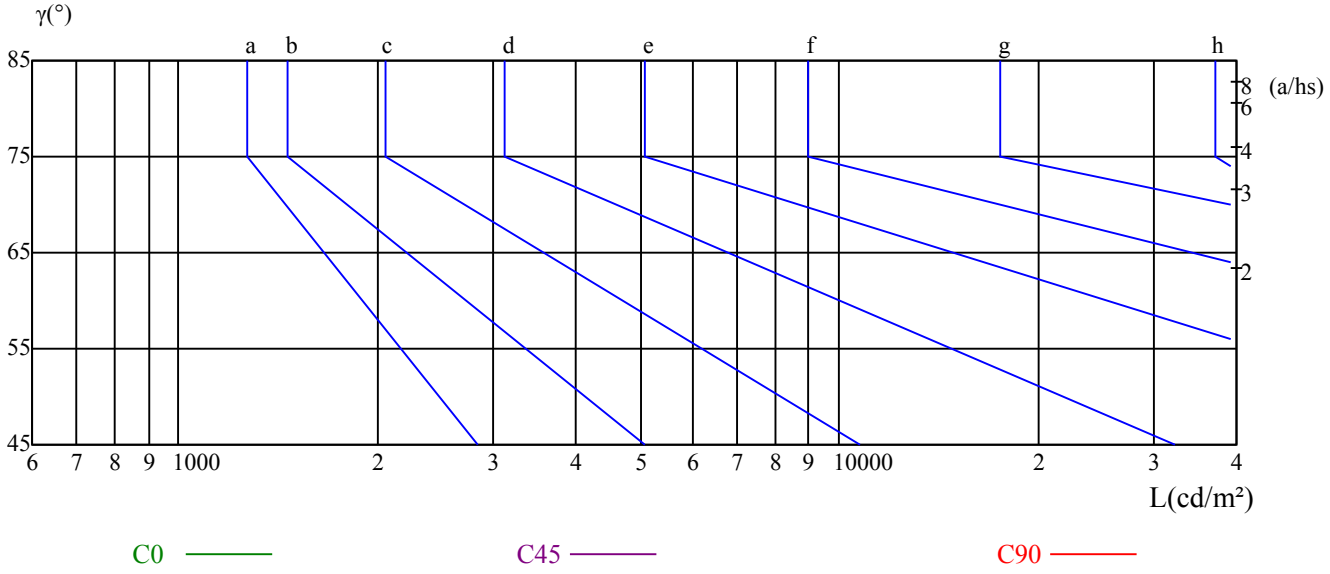
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

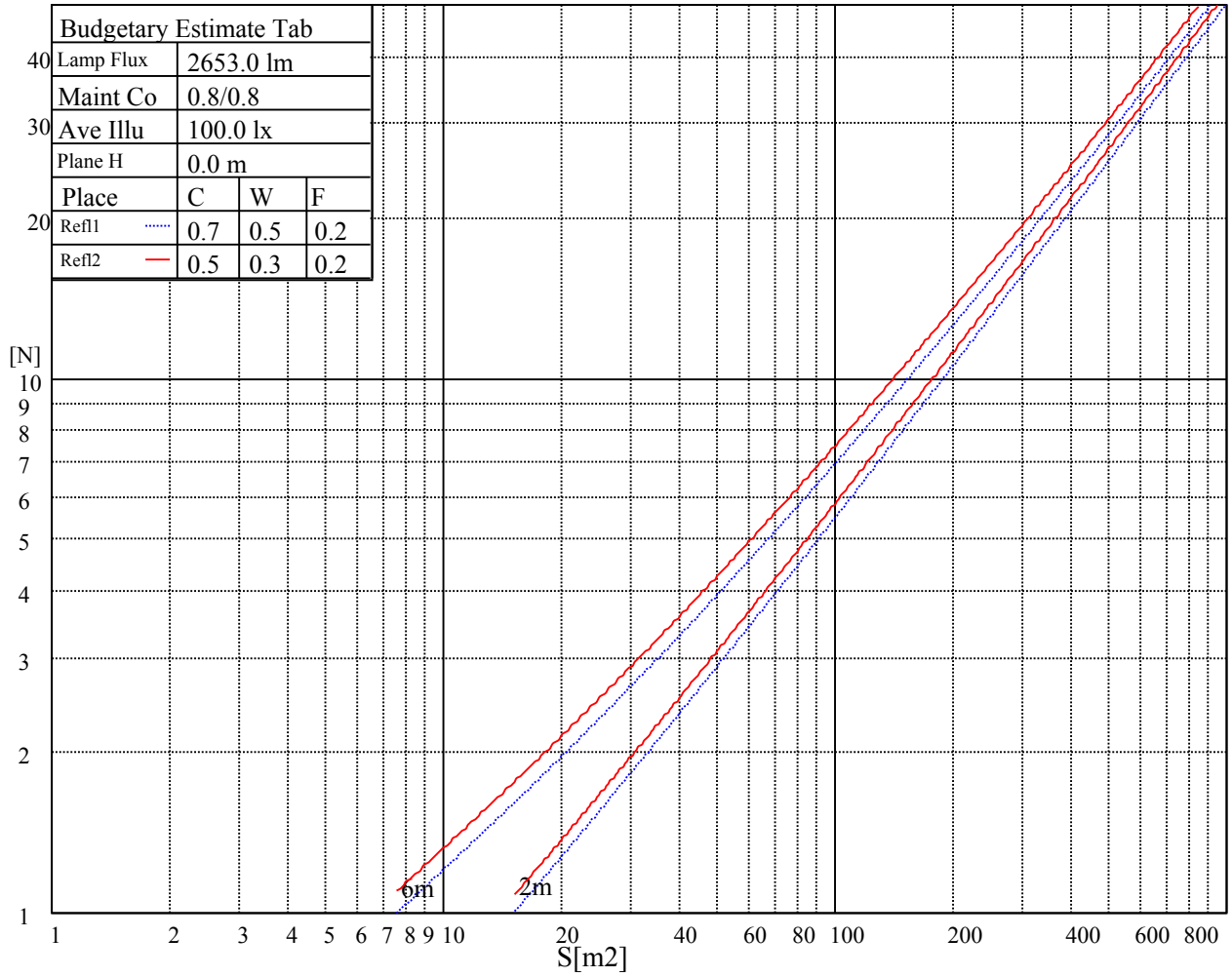
Luminance Limitting Curve



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

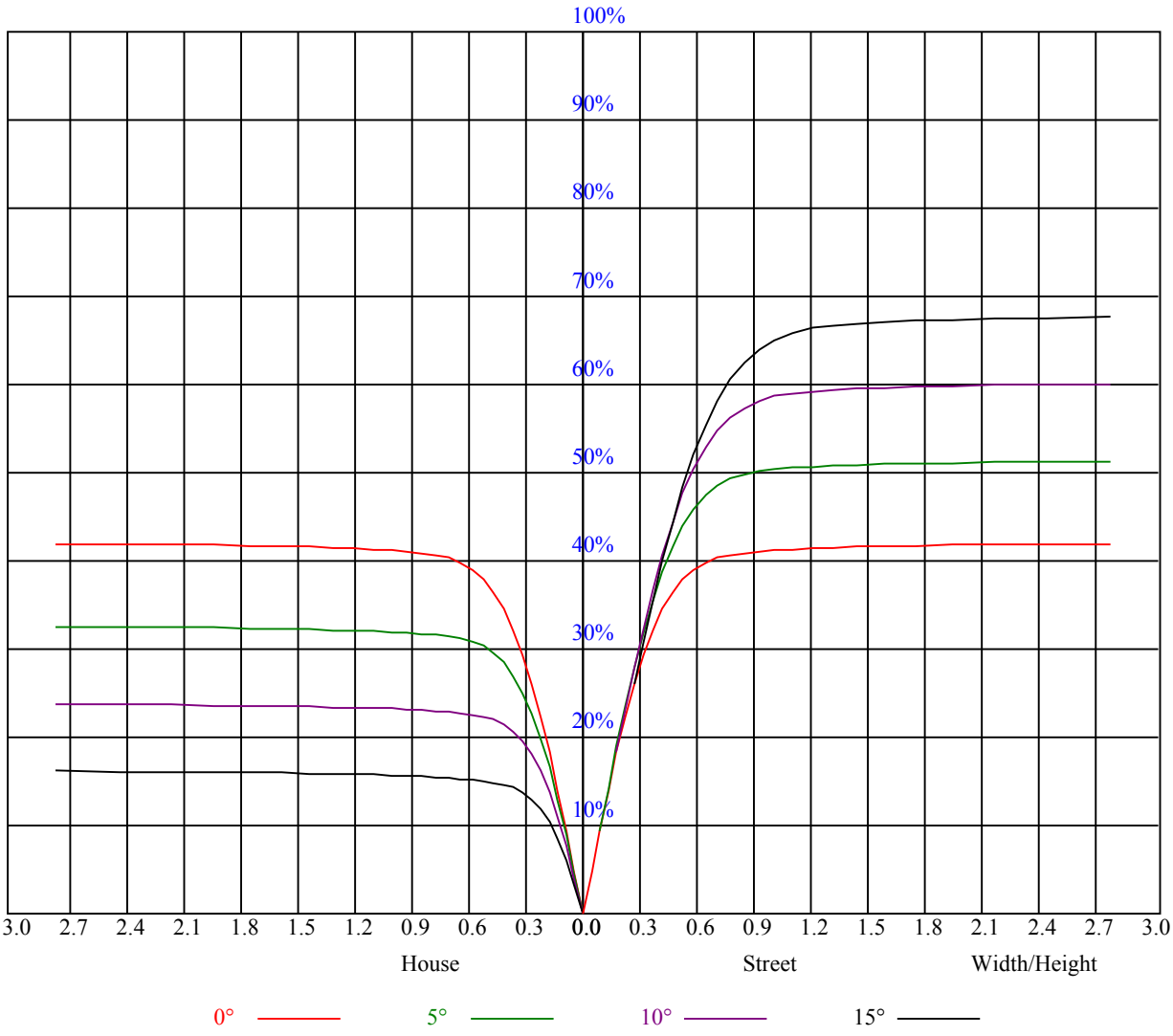


Equipment: GMS1980 Date: 2024/3/14 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

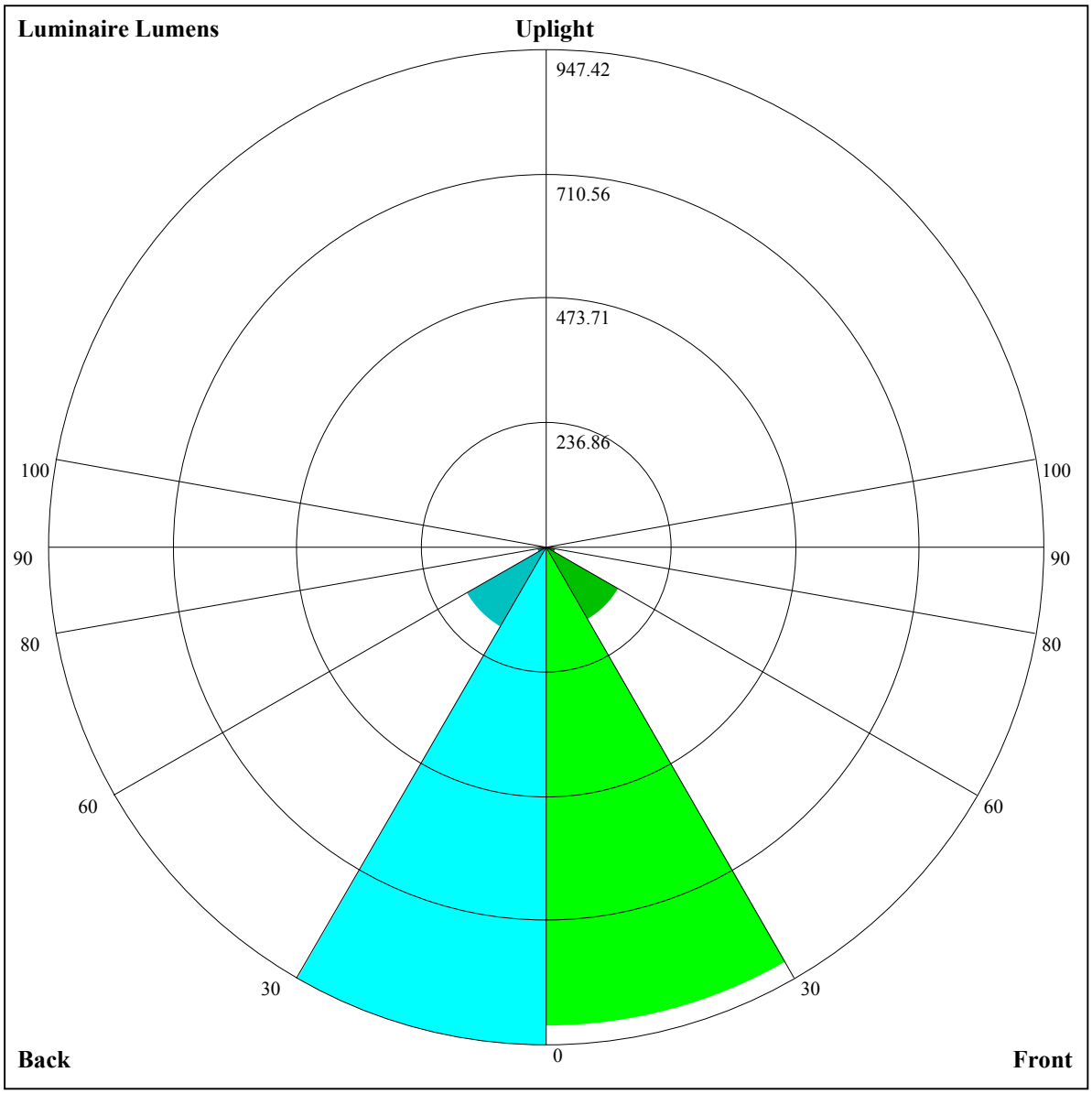
Utilization factor table for indoor luminaire

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	1.01	1.01	1.01	0.98	0.98	0.98	0.94	0.94	0.94	0.90	0.90	0.90	0.86	0.86	0.86	0.85
1	0.94	0.92	0.90	0.92	0.90	0.89	0.89	0.87	0.86	0.85	0.84	0.83	0.83	0.82	0.81	0.79
2	0.88	0.85	0.82	0.86	0.83	0.81	0.84	0.81	0.79	0.81	0.79	0.78	0.79	0.77	0.76	0.75
3	0.83	0.79	0.76	0.81	0.78	0.75	0.79	0.76	0.74	0.77	0.75	0.73	0.75	0.73	0.71	0.70
4	0.78	0.74	0.70	0.77	0.73	0.70	0.75	0.72	0.69	0.74	0.71	0.68	0.72	0.70	0.67	0.66
5	0.74	0.69	0.66	0.73	0.69	0.66	0.71	0.68	0.65	0.70	0.67	0.64	0.69	0.66	0.64	0.63
6	0.70	0.65	0.62	0.69	0.65	0.62	0.68	0.64	0.61	0.67	0.63	0.61	0.66	0.63	0.61	0.59
7	0.66	0.62	0.59	0.66	0.61	0.58	0.65	0.61	0.58	0.64	0.60	0.58	0.63	0.60	0.57	0.56
8	0.63	0.59	0.55	0.63	0.58	0.55	0.62	0.58	0.55	0.61	0.57	0.55	0.60	0.57	0.55	0.54
9	0.60	0.56	0.53	0.60	0.56	0.53	0.59	0.55	0.52	0.58	0.55	0.52	0.58	0.54	0.52	0.51
10	0.58	0.53	0.50	0.57	0.53	0.50	0.57	0.53	0.50	0.56	0.52	0.50	0.55	0.52	0.50	0.49

Coefficient Utilization Curve



Equipment: GMS1980	Date: 2024/3/14	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65



Luminaire Lumens:
FL=913.66,FM=158.2,FH=17.37,FVH=6
BL=947.42,BM=175.95,BH=17.61,BVH=6.13
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	3819.82	3803.44	3783.54	3758.37	3719.16	3683.46	3634.31	3559.40	3481.56
45.0	3828.02	3828.02	3820.41	3800.51	3780.61	3749.60	3706.87	3660.64	3583.98
90.0	3825.67	3815.73	3797.00	3770.08	3740.82	3701.61	3658.89	3600.95	3531.89
135.0	3813.38	3809.29	3799.92	3780.03	3754.28	3726.77	3693.41	3653.62	3584.56
180.0	3819.82	3827.43	3821.58	3811.63	3796.41	3768.32	3744.91	3717.99	3672.35
225.0	3828.02	3814.56	3797.00	3779.44	3758.37	3722.09	3691.66	3651.28	3600.95
270.0	3825.67	3824.50	3813.97	3796.41	3765.40	3743.16	3713.31	3680.54	3625.53
315.0	3813.38	3809.87	3797.00	3777.10	3751.94	3722.09	3689.32	3637.82	3583.39
360.0	3819.82	3803.44	3783.54	3758.37	3719.16	3683.46	3634.31	3559.40	3481.56

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	3382.66	3299.56	3214.11	3122.23	2997.58	2888.14	2767.59	2641.76	2486.09
45.0	3516.68	3435.91	3354.57	3270.88	3157.93	3062.54	2958.37	2839.57	2683.32
90.0	3453.47	3352.23	3268.54	3176.66	3081.27	2949.59	2831.38	2675.71	2552.22
135.0	3514.92	3417.19	3337.01	3256.25	3147.40	3050.84	2946.08	2823.77	2668.10
180.0	3624.94	3571.69	3483.90	3394.95	3285.51	3200.07	3107.60	3008.70	2870.00
225.0	3522.53	3443.52	3336.43	3250.98	3164.37	3049.67	2943.16	2828.45	2670.44
270.0	3568.76	3511.41	3438.84	3331.16	3246.30	3162.03	3043.23	2937.30	2820.26
315.0	3517.85	3421.28	3342.86	3262.10	3155.01	3063.71	2962.47	2853.03	2699.70
360.0	3382.66	3299.56	3214.11	3122.23	2997.58	2888.14	2767.59	2641.76	2486.09

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2367.88	2244.40	2083.46	1948.27	1813.67	1646.88	1512.87	1144.88	1144.88
45.0	2556.32	2432.84	2281.27	2150.76	1993.92	1857.56	1727.64	1553.25	1418.64
90.0	2429.33	2278.92	2153.10	2021.43	1849.95	1711.84	1580.17	1444.39	1147.92
135.0	2546.96	2428.74	2307.02	2147.83	2022.60	1891.51	1727.06	1594.21	1456.68
180.0	2747.10	2622.45	2490.19	2343.88	2228.60	2099.85	1967.00	1800.80	1666.78
225.0	2548.71	2424.65	2302.33	2174.17	2015.57	1890.34	1761.59	1597.72	1465.46
270.0	2666.34	2542.28	2412.94	2270.15	2154.86	2019.67	1886.24	1720.03	1590.11
315.0	2575.63	2448.05	2324.57	2163.05	2036.06	1872.19	1742.86	1615.86	1453.76
360.0	2367.88	2244.40	2083.46	1948.27	1813.67	1646.88	1512.87	1144.88	1144.88

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1080.44	951.52	792.69	672.37	562.34	469.41	375.25	313.21	261.01
45.0	1278.78	1148.86	1017.18	858.58	735.10	621.57	519.15	417.32	350.02
90.0	1147.92	1020.28	892.64	734.40	615.19	510.20	407.90	342.06	273.71
135.0	1288.72	1157.05	1028.30	874.38	753.83	633.86	529.10	423.18	355.88
180.0	1501.75	1375.92	1236.05	1083.31	953.39	817.62	701.16	562.46	463.56
225.0	1166.65	1166.65	1038.31	907.80	753.71	637.72	529.34	417.79	350.67
270.0	1457.85	1333.20	1174.02	1038.83	918.86	767.29	640.29	508.03	420.84
315.0	1159.39	1159.39	1064.23	906.46	779.46	657.21	548.18	435.52	364.36
360.0	1080.44	951.52	792.69	672.37	562.34	469.41	375.25	313.21	261.01

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	217.59	171.47	142.74	120.03	97.56	83.28	69.76	61.62	55.54
45.0	306.72	306.72	187.92	155.96	125.24	106.39	87.26	76.25	66.83
90.0	229.41	190.78	159.47	129.04	109.20	92.76	79.18	66.13	58.11
135.0	297.94	297.94	192.13	159.36	132.96	107.15	90.42	77.07	63.91
180.0	389.82	327.78	300.86	300.86	185.81	155.90	127.29	107.10	88.60
225.0	296.36	250.24	202.08	169.95	143.38	120.67	98.26	83.57	71.92
270.0	351.19	295.01	295.01	193.89	161.46	129.39	108.91	92.35	78.83
315.0	303.26	251.18	197.57	162.93	129.45	108.27	91.12	74.67	64.43
360.0	217.59	171.47	142.74	120.03	97.56	83.28	69.76	61.62	55.54

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	50.56	45.71	42.49	39.68	37.34	34.94	33.30	31.78	30.43
45.0	59.75	52.79	48.40	44.54	41.26	38.04	35.99	34.18	32.13
90.0	52.09	47.46	43.25	40.50	37.57	35.52	33.83	31.89	30.61
135.0	56.12	50.21	44.71	41.61	39.03	36.34	34.53	32.89	31.43
180.0	75.96	64.96	55.54	50.04	46.06	42.84	39.62	37.40	35.41
225.0	60.28	53.84	47.64	44.01	41.08	38.16	36.11	34.24	32.66
270.0	67.59	56.94	51.03	46.47	42.31	39.74	36.93	35.05	33.24
315.0	56.47	50.74	45.47	42.25	39.74	37.57	35.11	33.42	31.89
360.0	50.56	45.71	42.49	39.68	37.34	34.94	33.30	31.78	30.43

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	29.09	27.97	26.63	25.57	24.52	23.17	22.12	21.07	20.19
45.0	30.72	29.61	28.27	27.21	26.10	24.70	23.58	22.41	21.42
90.0	29.44	28.32	27.04	25.87	24.81	23.76	22.36	21.36	20.42
135.0	29.85	28.79	27.80	26.69	25.46	24.40	22.94	21.83	20.89
180.0	33.65	31.72	30.37	29.26	27.86	26.69	25.63	24.23	23.06
225.0	30.90	29.73	28.62	27.56	26.45	25.11	24.05	22.65	21.59
270.0	31.37	30.08	28.91	27.92	26.63	25.57	24.58	23.53	22.24
315.0	30.20	29.09	28.03	26.80	25.75	24.58	23.53	22.47	21.42
360.0	29.09	27.97	26.63	25.57	24.52	23.17	22.12	21.07	20.19

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	19.14	18.14	17.50	17.09	16.62	16.39	16.15	15.92	15.80
45.0	20.37	19.49	18.49	17.67	17.09	16.74	16.44	16.21	16.09
90.0	19.43	18.43	17.67	17.03	16.62	16.33	16.15	15.92	15.86
135.0	19.84	18.96	18.02	17.32	16.80	16.44	16.15	15.98	15.80
180.0	21.71	20.72	19.90	18.96	17.73	17.21	16.80	16.50	16.21
225.0	20.66	19.61	18.61	17.79	17.21	16.80	16.56	16.33	16.15
270.0	21.24	20.31	19.25	18.26	17.26	16.85	16.50	16.27	15.98
315.0	20.25	19.37	18.49	17.56	16.85	16.44	16.21	15.98	15.80
360.0	19.14	18.14	17.50	17.09	16.62	16.39	16.15	15.92	15.80

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	15.68	15.51	15.39	15.22	15.04	14.81	14.51	13.87	13.46
45.0	15.86	15.74	15.63	15.51	15.27	15.16	14.98	14.81	14.16
90.0	15.68	15.51	15.39	15.27	15.16	14.98	14.69	14.40	13.69
135.0	15.68	15.57	15.39	15.33	15.16	14.98	14.81	14.69	13.99
180.0	16.04	15.92	15.68	15.51	15.45	15.22	15.04	14.86	14.57
225.0	15.92	15.80	15.68	15.51	15.39	15.27	15.04	14.81	14.22
270.0	15.80	15.68	15.51	15.33	15.22	15.10	14.98	14.75	14.51
315.0	15.68	15.51	15.39	15.33	15.16	15.04	14.92	14.69	14.22
360.0	15.68	15.51	15.39	15.22	15.04	14.81	14.51	13.87	13.46

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	12.76	11.70	10.94	10.30	9.95	9.66	9.48	9.31	9.31
45.0	13.69	13.05	12.00	11.12	10.36	10.01	9.66	9.42	9.31
90.0	13.28	12.29	11.41	10.71	10.07	9.71	9.48	9.36	9.31
135.0	13.64	12.99	12.00	11.18	10.53	10.01	9.71	9.48	9.36
180.0	14.34	13.69	13.28	12.47	11.47	10.83	10.18	9.77	9.54
225.0	13.81	13.46	12.52	11.41	10.71	10.07	9.71	9.48	9.31
270.0	13.93	13.58	12.87	11.94	11.06	10.42	9.95	9.66	9.48
315.0	13.69	13.23	12.35	11.41	10.71	10.12	9.77	9.54	9.36
360.0	12.76	11.70	10.94	10.30	9.95	9.66	9.48	9.31	9.31

Intensity data(cd)

C/γ(°)	90.0
0.0	9.31
45.0	9.31
90.0	9.31
135.0	9.31
180.0	9.31
225.0	9.25
270.0	9.25
315.0	9.31
360.0	9.31