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NT

Client:
LumCAT: 2-2683-L
Luminaire: 92.70.411.00
Report No: 2024418-B012
Ballast type: AC

Test No: 2024418-C012	Voltage(V): 33.650
LampCAT: NICHIA NFCWJ120B-V3	Current(A): 0.576
Lamp flux(lm): 2726.0	Power (W): 19.382
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 2354.99, Efficiency(%): 86.39% , Luminous Efficacy(lm/W): 121.50
Central intensity(cd): 8158.096, Maximum intensity(cd): 8158.096
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=24.6
[C90/270]Total=24.6
Field angle(10%Imax): [C0/180]Total=59.2
[C90/270]Total=59.2
Maximum s/h(1/2): C0_180=0.41 C90_270=0.41
Maximum s/h(1/4): C0_180=0.44 C90_270=0.44
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 86.39%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 98.010%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	8158.095	0.000	0	0.00%	0.00%
1.0	8117.276	7.787	7.787	0.29%	0.33%
2.0	8013.398	23.152	30.94	0.85%	1.31%
3.0	7832.637	37.899	68.838	1.39%	2.92%
4.0	7587.647	51.617	120.455	1.89%	5.11%
5.0	7245.656	63.812	184.267	2.34%	7.82%
6.0	6884.499	74.258	258.525	2.72%	10.98%
7.0	6479.889	82.953	341.477	3.04%	14.50%
8.0	6017.488	89.441	430.919	3.28%	18.30%
9.0	5512.146	93.441	524.36	3.43%	22.27%
10.0	5073.740	95.798	620.158	3.51%	26.33%
11.0	4620.483	96.865	717.024	3.55%	30.45%
12.0	4200.365	96.425	813.448	3.54%	34.54%
13.0	3760.422	94.474	907.923	3.47%	38.55%
14.0	3389.389	91.517	999.44	3.36%	42.44%
15.0	3052.958	88.443	1087.883	3.24%	46.19%
16.0	2745.642	84.966	1172.849	3.12%	49.80%
17.0	2460.344	81.071	1253.92	2.97%	53.25%
18.0	2201.894	76.870	1330.79	2.82%	56.51%
19.0	1985.581	72.854	1403.644	2.67%	59.60%
20.0	1794.066	69.178	1472.822	2.54%	62.54%
21.0	1622.229	65.600	1538.421	2.41%	65.33%
22.0	1466.632	62.072	1600.493	2.28%	67.96%
23.0	1293.706	57.919	1658.413	2.12%	70.42%
24.0	1239.426	55.383	1713.796	2.03%	72.77%
25.0	1162.059	54.605	1768.401	2.00%	75.09%
26.0	1084.444	53.029	1821.43	1.95%	77.34%
27.0	1021.620	51.525	1872.955	1.89%	79.53%
28.0	951.071	49.944	1922.899	1.83%	81.65%
29.0	875.848	47.797	1970.697	1.75%	83.68%
30.0	774.889	44.570	2015.266	1.63%	85.57%
31.0	686.754	40.675	2055.942	1.49%	87.30%
32.0	587.244	36.499	2092.44	1.34%	88.85%
33.0	498.246	31.979	2124.419	1.17%	90.21%
34.0	407.792	27.419	2151.838	1.01%	91.37%
35.0	320.447	22.616	2174.455	0.83%	92.33%
36.0	257.258	18.394	2192.849	0.67%	93.11%
37.0	228.252	15.835	2208.684	0.58%	93.79%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	124.221	11.765	2220.449	0.43%	94.29%
39.0	90.629	7.333	2227.782	0.27%	94.60%
40.0	72.070	5.674	2233.457	0.21%	94.84%
41.0	64.733	4.872	2238.328	0.18%	95.05%
42.0	59.612	4.518	2242.846	0.17%	95.24%
43.0	55.721	4.272	2247.118	0.16%	95.42%
44.0	52.904	4.100	2251.218	0.15%	95.59%
45.0	50.768	3.984	2255.202	0.15%	95.76%
46.0	48.910	3.898	2259.1	0.14%	95.93%
47.0	47.308	3.827	2262.927	0.14%	96.09%
48.0	46.328	3.785	2266.713	0.14%	96.25%
49.0	45.231	3.760	2270.472	0.14%	96.41%
50.0	44.089	3.724	2274.196	0.14%	96.57%
51.0	43.270	3.696	2277.893	0.14%	96.73%
52.0	42.217	3.668	2281.561	0.13%	96.88%
53.0	41.222	3.630	2285.19	0.13%	97.04%
54.0	40.037	3.582	2288.772	0.13%	97.19%
55.0	38.735	3.516	2292.288	0.13%	97.34%
56.0	37.242	3.433	2295.721	0.13%	97.48%
57.0	35.552	3.328	2299.05	0.12%	97.62%
58.0	33.607	3.198	2302.248	0.12%	97.76%
59.0	31.310	3.035	2305.283	0.11%	97.89%
60.0	29.152	2.856	2308.139	0.10%	98.01%
61.0	26.906	2.675	2310.814	0.10%	98.12%
62.0	25.135	2.508	2313.322	0.09%	98.23%
63.0	23.314	2.356	2315.678	0.09%	98.33%
64.0	21.741	2.211	2317.889	0.08%	98.42%
65.0	20.439	2.087	2319.977	0.08%	98.51%
66.0	19.181	1.977	2321.953	0.07%	98.60%
67.0	17.879	1.863	2323.817	0.07%	98.68%
68.0	16.876	1.761	2325.577	0.06%	98.75%
69.0	16.116	1.683	2327.26	0.06%	98.82%
70.0	15.450	1.621	2328.882	0.06%	98.89%
71.0	14.923	1.570	2330.451	0.06%	98.96%
72.0	14.477	1.529	2331.98	0.06%	99.02%
73.0	14.133	1.496	2333.476	0.05%	99.09%
74.0	13.804	1.469	2334.945	0.05%	99.15%
75.0	13.475	1.441	2336.386	0.05%	99.21%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	13.182	1.415	2337.801	0.05%	99.27%
77.0	12.897	1.390	2339.192	0.05%	99.33%
78.0	12.604	1.365	2340.557	0.05%	99.39%
79.0	12.275	1.337	2341.894	0.05%	99.44%
80.0	11.968	1.307	2343.201	0.05%	99.50%
81.0	11.697	1.280	2344.48	0.05%	99.55%
82.0	11.441	1.255	2345.735	0.05%	99.61%
83.0	11.185	1.230	2346.965	0.05%	99.66%
84.0	10.958	1.206	2348.171	0.04%	99.71%
85.0	10.746	1.185	2349.356	0.04%	99.76%
86.0	10.534	1.163	2350.519	0.04%	99.81%
87.0	10.322	1.141	2351.661	0.04%	99.86%
88.0	10.183	1.123	2352.784	0.04%	99.91%
89.0	10.051	1.109	2353.893	0.04%	99.95%
90.0	10.007	1.100	2354.993	0.04%	100.00%

Zonal flux distribution table

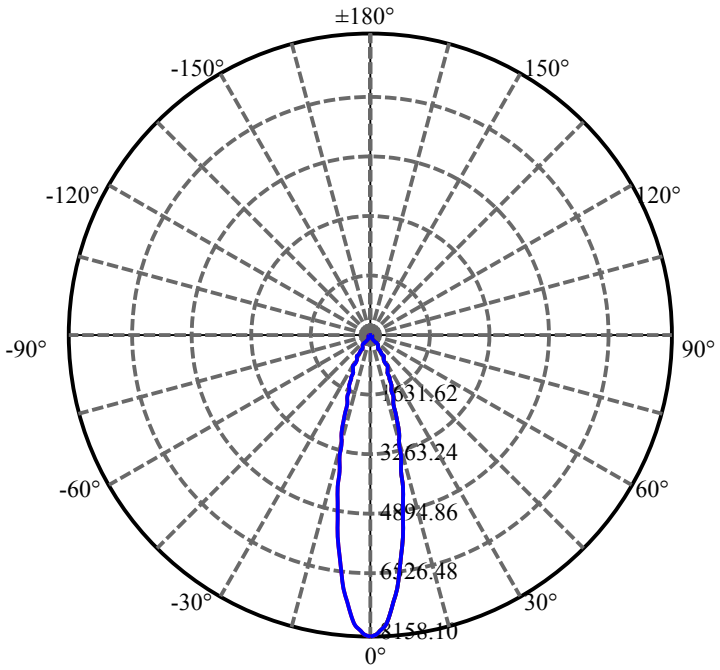
ZONAL LUMEN SUMMARY

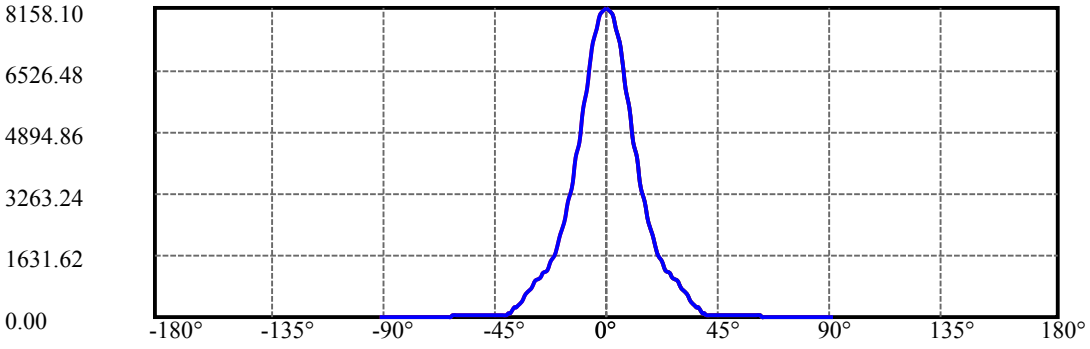
Zone	Lumens	%Lamp	%Fixt
0-30	2015.27	73.93%	85.57%
0-40	2233.46	81.93%	94.84%
0-60	2308.14	84.67%	98.01%
0-90	2353.89	86.35%	99.95%
0-120	2353.89	86.35%	99.95%
0-180	2354.99	86.39%	100.00%
60-90	45.75	1.68%	1.94%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-27.22	1883.99	69.11%	80.00%

ZONAL LUMEN SUMMARY

0-10	620.16
10-20	852.66
20-30	542.44
30-40	218.19
40-50	40.74
50-60	33.94
60-70	20.74
70-80	14.32
80-90	10.69
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):

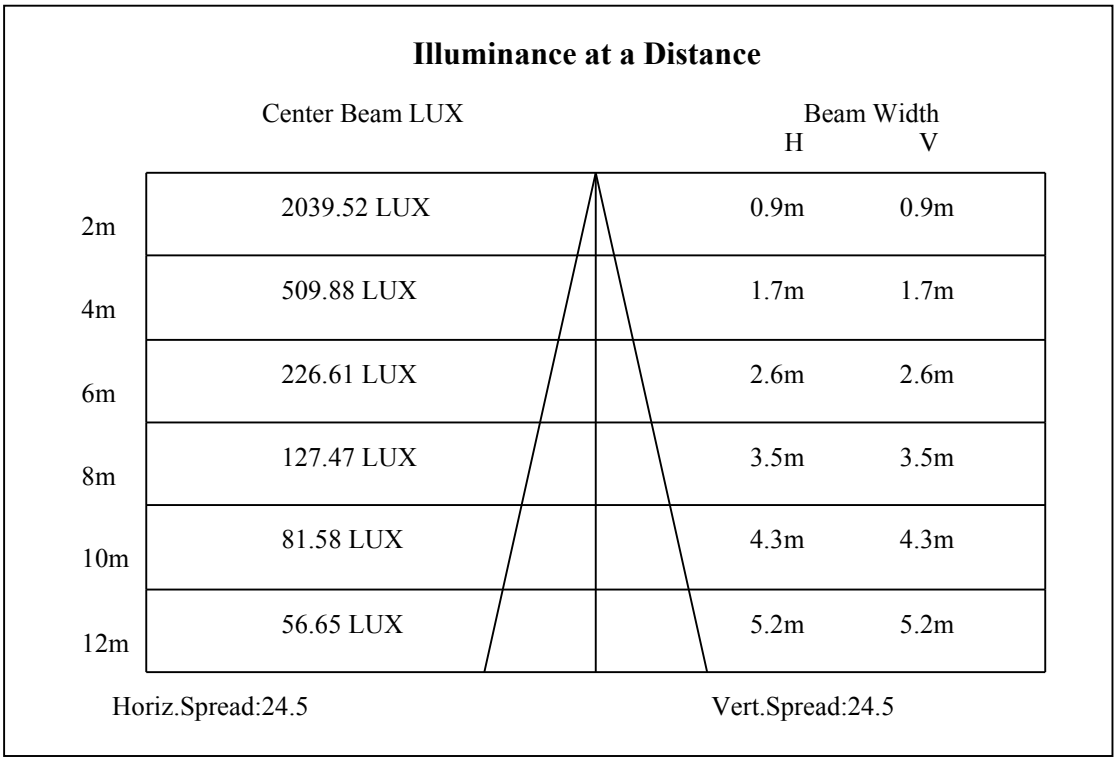
C0/C180:

C90/C270:

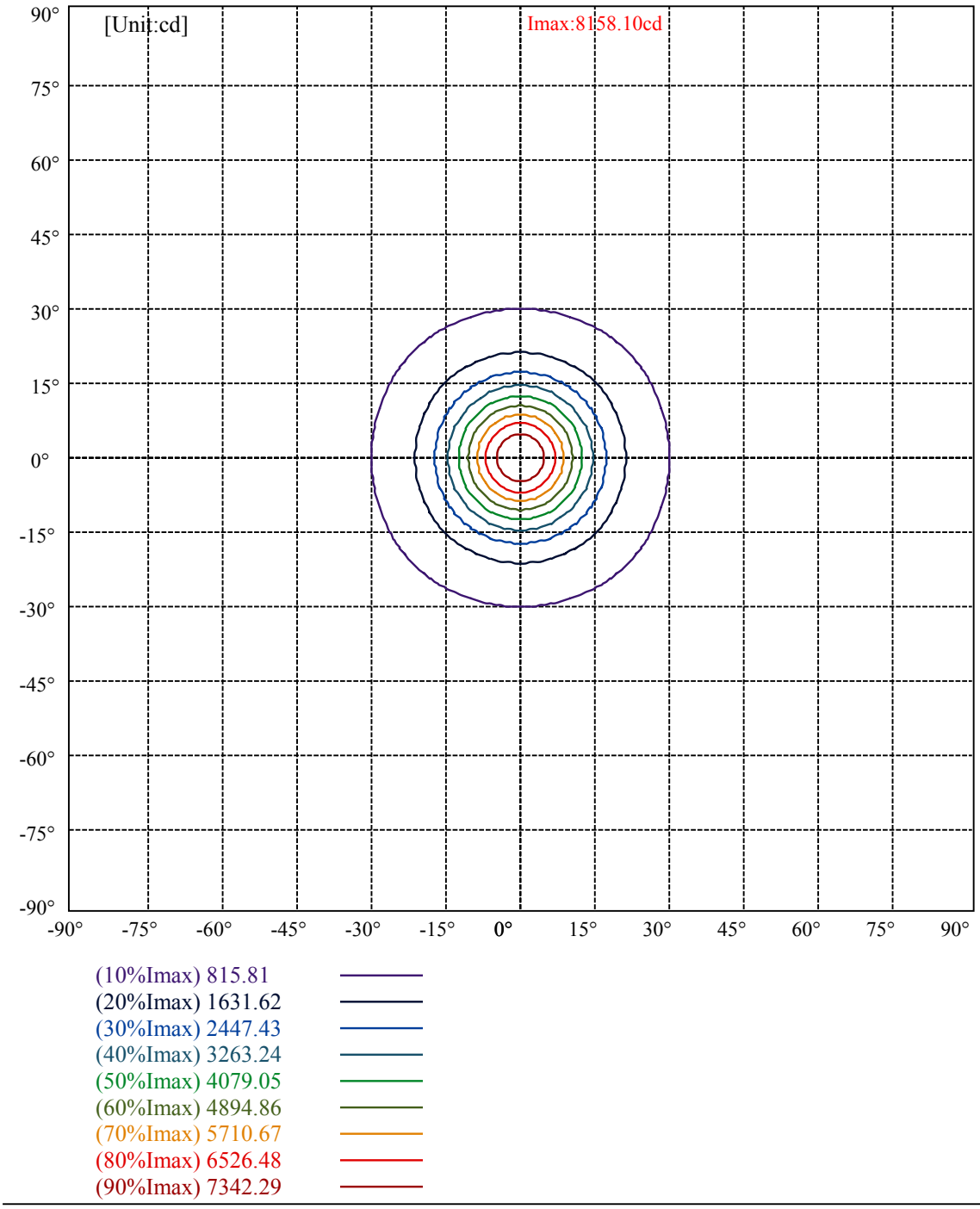
Field angle(10%Imax):C0/180Left:29.6 Right:29.6
:C90/270Left:29.6 Right:29.6

Beam Angle(50%Imax):C0/180Left:12.3 Right:12.3
:C90/270Left:12.3 Right:12.3

Lux distance Curve

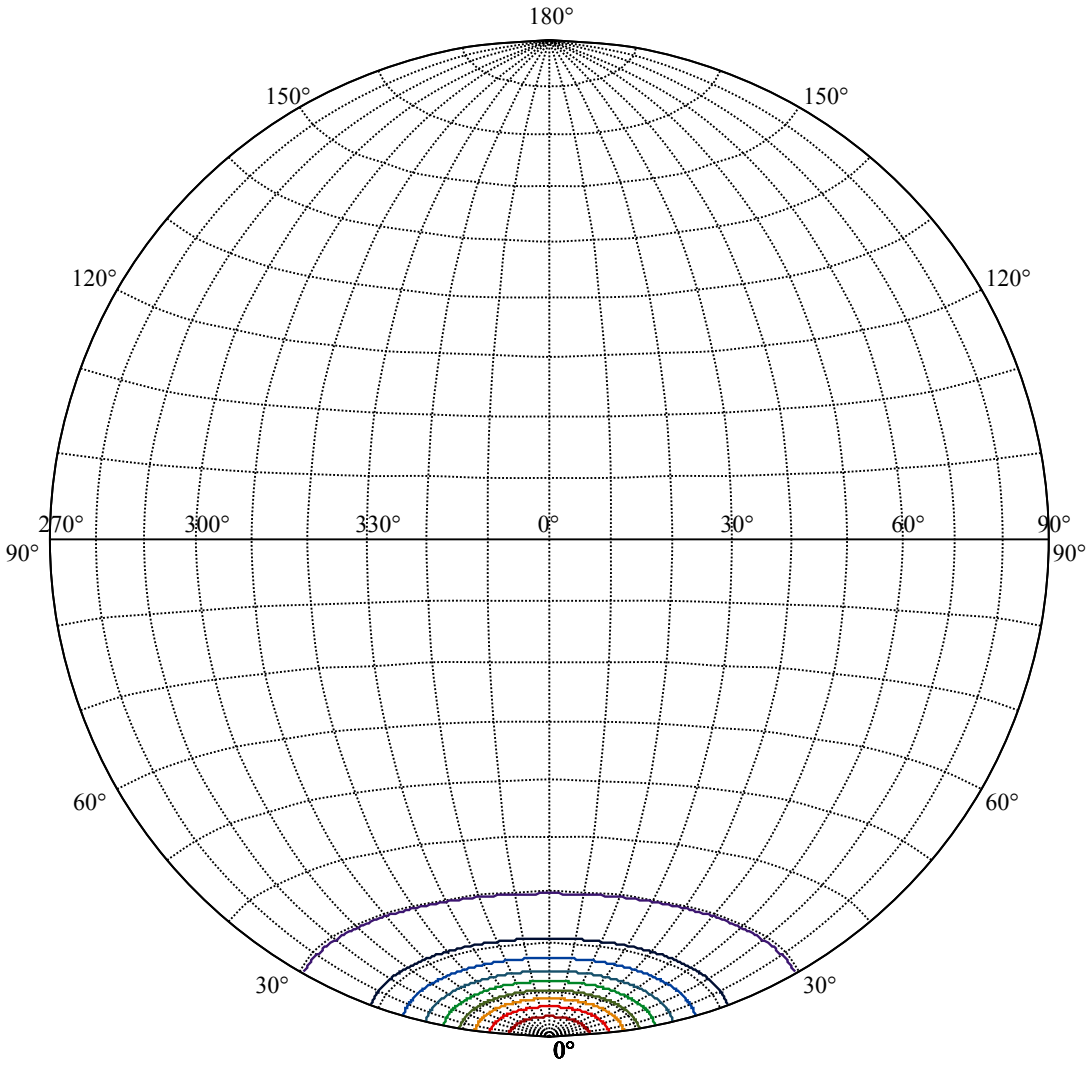


Equipment: GMS1980 Date: 2024/4/18 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65



Equipment: GMS1980
Temperature(°C): 25.0
Date: 2024/4/18
Humidity(%): 60.0%
Operator: NT07
Distance(m): 7.65

ISO candela diagram on circular web

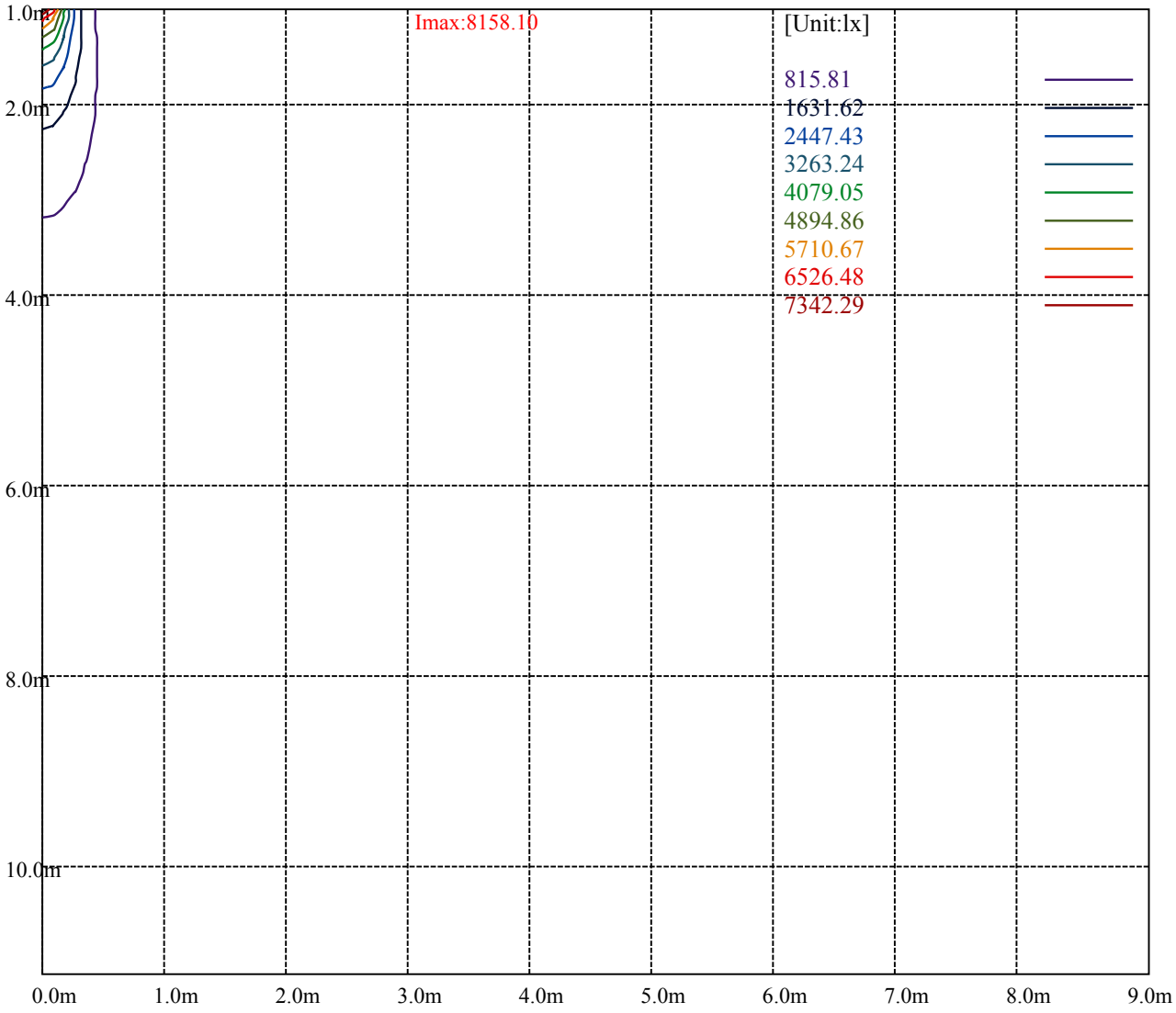


House [Unit:cd] Road

Imax:8158.10

(10%Imax) 815.81
(20%Imax) 1631.62
(30%Imax) 2447.43
(40%Imax) 3263.24
(50%Imax) 4079.05
(60%Imax) 4894.86
(70%Imax) 5710.67
(80%Imax) 6526.48
(90%Imax) 7342.29

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/4/18
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

Luminance Limitting Curve(no luminous side)

Luminance Table

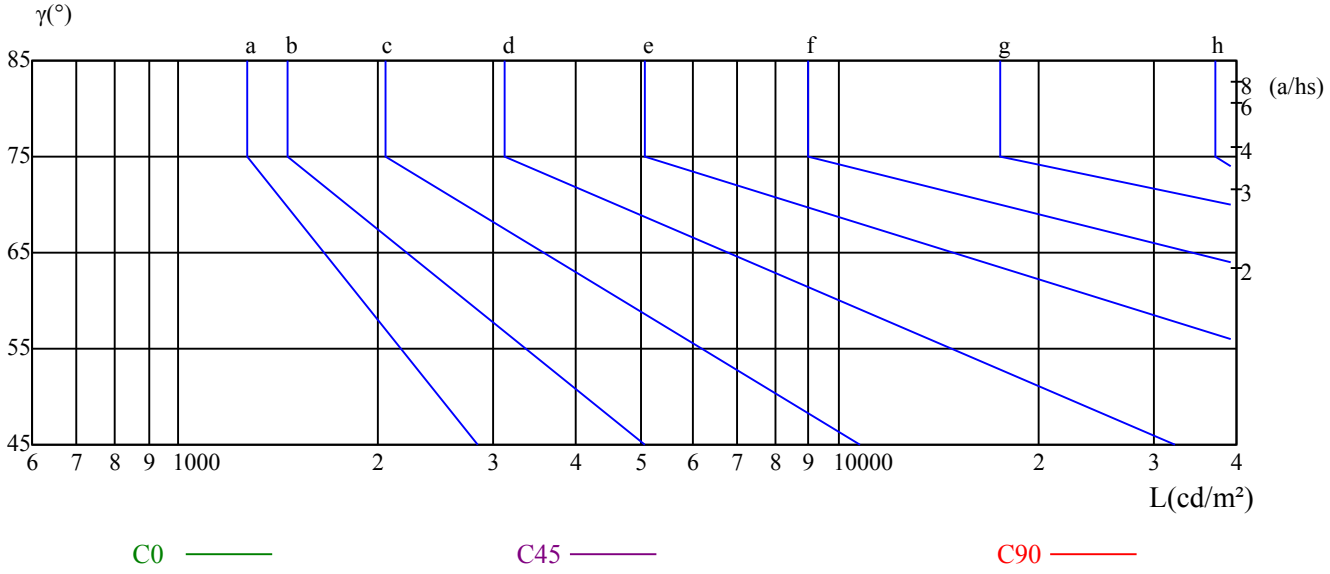
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

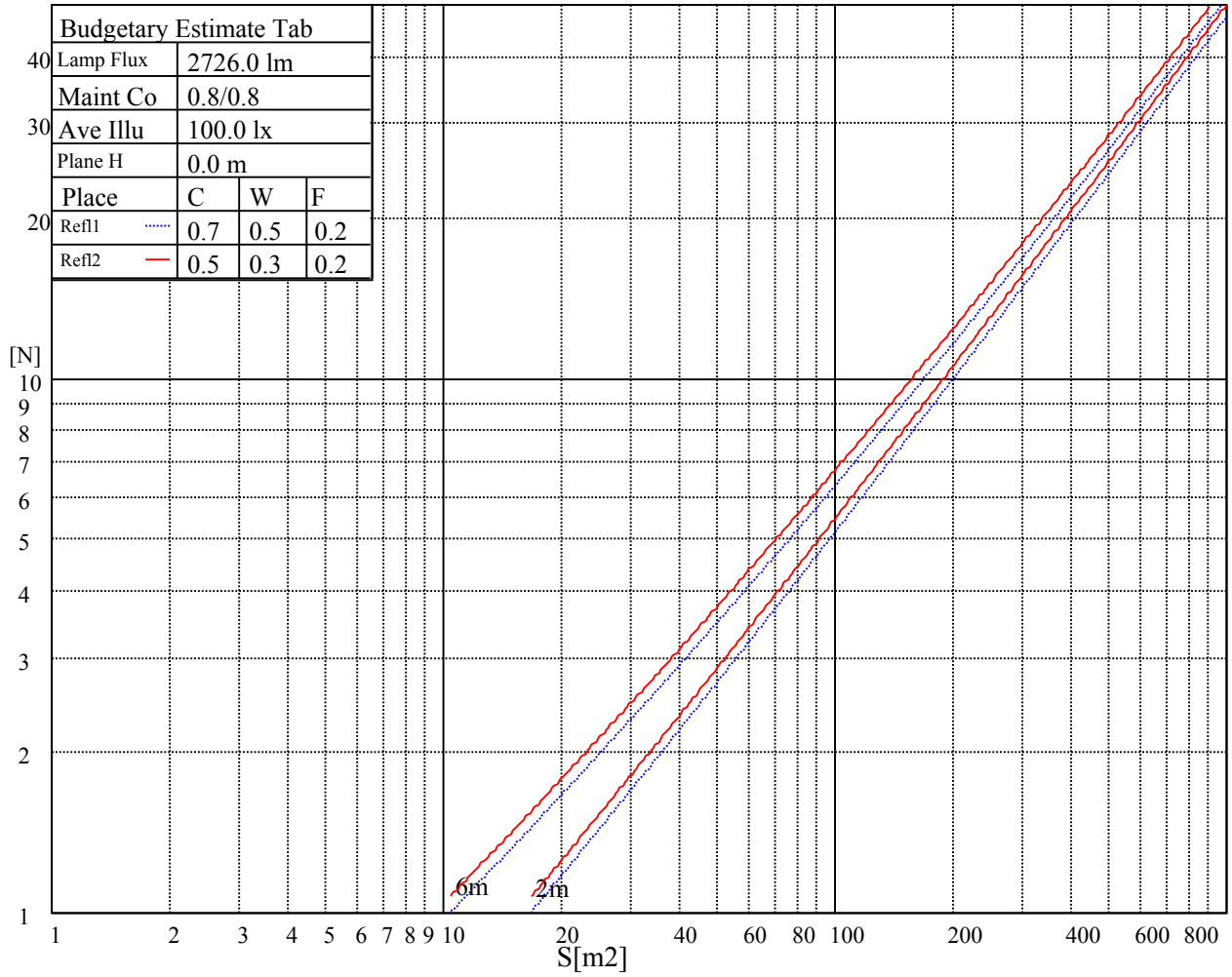
Luminance Limitting Curve



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

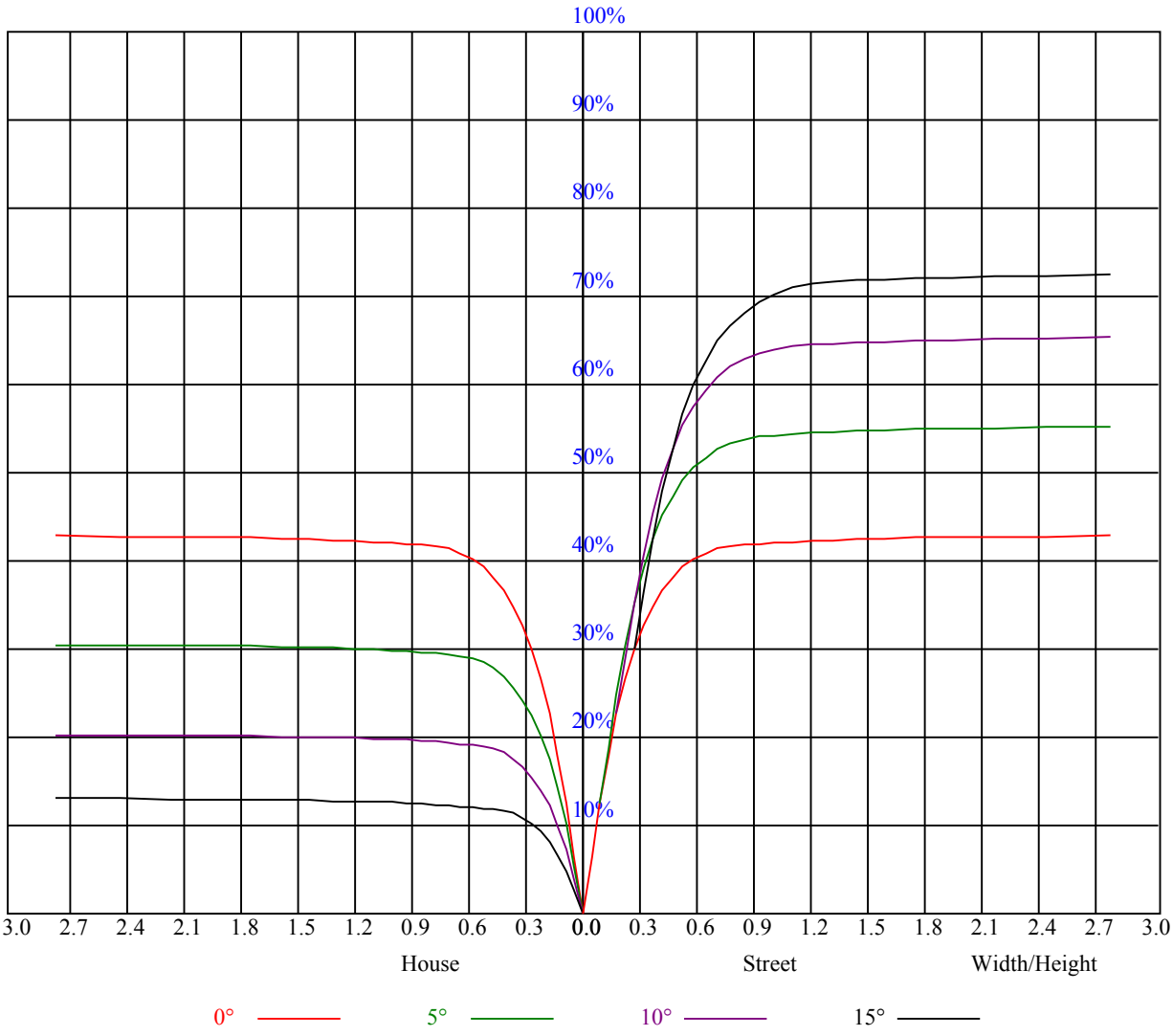


Equipment: GMS1980 Date: 2024/4/18 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

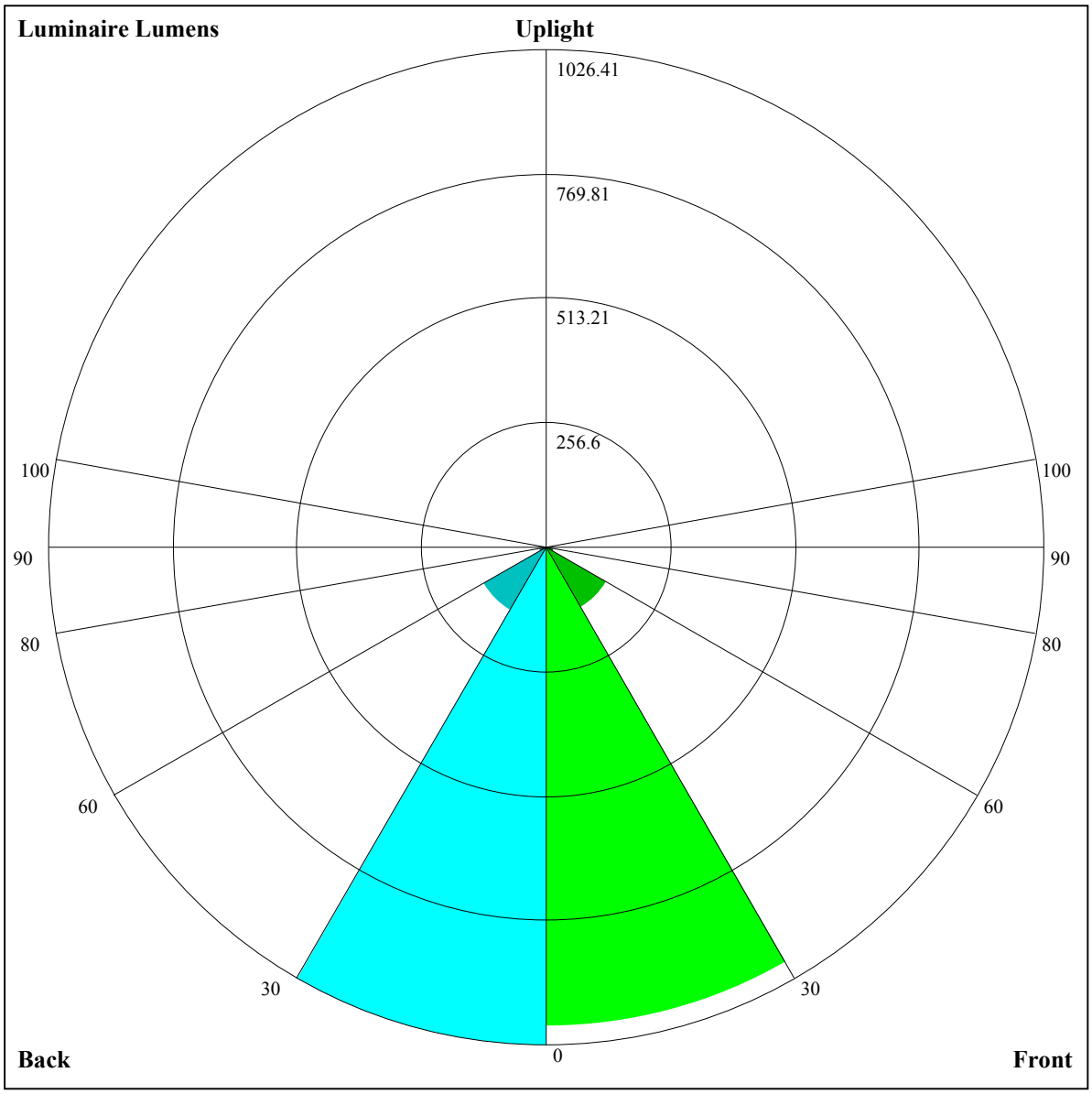
Utilization factor table for indoor luminaire

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	1.03	1.03	1.03	1.00	1.00	1.00	0.96	0.96	0.96	0.92	0.92	0.92	0.88	0.88	0.88	0.86
1	0.96	0.94	0.93	0.95	0.93	0.91	0.91	0.90	0.88	0.88	0.87	0.86	0.85	0.84	0.83	0.82
2	0.91	0.88	0.85	0.89	0.87	0.84	0.87	0.84	0.82	0.84	0.82	0.81	0.82	0.80	0.79	0.78
3	0.86	0.82	0.79	0.85	0.81	0.79	0.83	0.80	0.77	0.81	0.78	0.76	0.79	0.77	0.75	0.74
4	0.82	0.78	0.75	0.81	0.77	0.74	0.79	0.76	0.73	0.77	0.75	0.72	0.76	0.74	0.72	0.70
5	0.78	0.74	0.71	0.77	0.73	0.70	0.76	0.72	0.70	0.74	0.71	0.69	0.73	0.71	0.68	0.67
6	0.74	0.70	0.67	0.74	0.70	0.67	0.73	0.69	0.66	0.72	0.68	0.66	0.70	0.68	0.66	0.65
7	0.71	0.67	0.64	0.71	0.67	0.64	0.70	0.66	0.64	0.69	0.66	0.63	0.68	0.65	0.63	0.62
8	0.69	0.64	0.61	0.68	0.64	0.61	0.67	0.64	0.61	0.66	0.63	0.61	0.66	0.63	0.61	0.60
9	0.66	0.62	0.59	0.66	0.62	0.59	0.65	0.61	0.59	0.64	0.61	0.59	0.63	0.61	0.58	0.57
10	0.64	0.59	0.57	0.63	0.59	0.57	0.63	0.59	0.57	0.62	0.59	0.56	0.61	0.58	0.56	0.55

Coefficient Utilization Curve



Equipment: GMS1980	Date: 2024/4/18	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65



Luminaire Lumens:
FL=987.92,FM=142.88,FH=17.4,FVH=5.89
BL=1026.41,BM=152,BH=17.76,BVH=5.91
UL=0,UH=0

BUG Rating:B3-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	8161.61	8052.75	7883.62	7655.97	7370.97	6951.95	6563.94	6149.60	5717.71
45.0	8155.17	8152.83	8091.38	7959.12	7714.49	7434.17	7113.47	6745.95	6243.82
90.0	8171.56	8107.77	7979.60	7798.18	7548.29	7163.80	6810.32	6403.01	5865.77
135.0	8144.05	8177.99	8161.02	8048.66	7892.40	7588.67	7288.45	6949.02	6450.99
180.0	8161.61	8173.31	8142.29	7999.50	7806.37	7496.21	7181.94	6819.10	6404.76
225.0	8155.17	8082.02	7948.58	7687.57	7413.69	7071.92	6612.52	6185.30	5742.87
270.0	8171.56	8153.41	8073.24	7933.37	7672.36	7407.84	7072.50	6590.28	6167.74
315.0	8144.05	8038.12	7827.44	7578.72	7282.60	6850.70	6432.85	5996.86	5546.24
360.0	8161.61	8052.75	7883.62	7655.97	7370.97	6951.95	6563.94	6149.60	5717.71

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	5186.32	4755.60	4341.26	3852.01	3492.10	3164.37	2795.09	2528.82	2289.46
45.0	5816.61	5391.74	4862.69	4449.52	4052.16	3584.56	3245.13	2938.47	2596.12
90.0	5415.73	4990.86	4461.23	4064.45	3695.17	3265.03	2960.71	2678.63	2420.55
135.0	6030.80	5579.01	5134.24	4704.68	4182.08	3806.95	3451.72	3041.47	2755.30
180.0	5867.52	5401.69	4959.84	4518.00	4017.63	3647.77	3305.99	2923.26	2648.20
225.0	5168.77	4729.85	4313.75	3928.09	3479.81	3155.59	2857.13	2592.61	2281.27
270.0	5622.32	5175.79	4728.68	4304.97	3818.65	3464.59	3136.28	2841.91	2505.41
315.0	4989.10	4565.40	4162.18	3781.20	3345.79	3026.26	2671.61	2419.96	2186.46
360.0	5186.32	4755.60	4341.26	3852.01	3492.10	3164.37	2795.09	2528.82	2289.46

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2031.37	1841.76	1682.58	1543.30	1394.06	1159.86	1159.86	1125.91	1047.26
45.0	2356.76	2132.03	1935.40	1718.28	1572.56	1444.39	1332.62	1213.23	1136.57
90.0	2139.64	1941.25	1763.93	1610.01	1445.56	1162.43	1162.43	1125.15	1057.21
135.0	2433.42	2204.60	1998.60	1773.29	1616.45	1484.19	1366.56	1239.57	1156.46
180.0	2394.21	2101.02	1902.62	1689.60	1541.54	1415.72	1309.79	1193.92	1117.84
225.0	2061.81	1865.17	1656.25	1517.55	1374.75	1150.20	1150.20	1115.73	1039.13
270.0	2267.81	2047.76	1814.84	1656.25	1516.96	1367.73	1268.83	1185.14	1100.87
315.0	1930.13	1751.05	1598.31	1469.56	1271.17	1165.12	1165.12	1097.82	1020.22
360.0	2031.37	1841.76	1682.58	1543.30	1394.06	1159.86	1159.86	1125.91	1047.26

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	983.35	909.91	831.20	723.63	633.45	524.60	440.73	358.98	265.34
45.0	1070.44	989.09	915.94	813.52	726.32	636.20	550.76	444.83	364.07
90.0	995.58	902.30	824.76	717.49	627.71	541.80	457.47	356.52	281.43
135.0	1085.65	1024.79	957.49	860.92	777.82	667.80	578.26	489.89	386.31
180.0	1055.22	993.77	930.57	831.08	746.81	633.86	546.66	461.80	362.31
225.0	979.78	913.54	835.12	729.72	639.07	551.57	466.31	366.70	291.85
270.0	1042.93	983.82	898.96	817.62	728.08	639.12	526.18	443.66	362.31
315.0	960.00	891.36	812.76	705.14	614.78	503.00	419.61	339.96	249.95
360.0	983.35	909.91	831.20	723.63	633.45	524.60	440.73	358.98	265.34

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	200.79	147.48	97.62	77.37	69.76	64.37	59.40	56.24	54.02
45.0	306.13	306.13	142.33	99.31	75.96	67.83	61.68	58.11	54.84
90.0	214.13	158.77	106.45	81.40	71.63	65.90	60.40	56.47	52.79
135.0	310.23	310.23	156.31	109.79	79.53	67.53	61.39	57.82	54.89
180.0	307.89	307.89	149.41	107.10	79.53	68.65	62.27	58.29	54.43
225.0	223.97	151.81	107.56	78.65	66.54	61.45	57.70	53.02	51.09
270.0	306.72	306.72	144.14	100.48	69.82	63.03	58.35	53.67	50.91
315.0	188.21	137.00	89.95	70.93	63.79	59.11	55.71	52.14	50.27
360.0	200.79	147.48	97.62	77.37	69.76	64.37	59.40	56.24	54.02

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	52.09	50.04	48.69	47.93	46.41	45.53	44.30	43.07	41.79
45.0	52.44	50.39	48.16	47.40	46.64	45.12	44.36	43.48	42.66
90.0	50.68	48.98	47.11	46.29	45.06	44.07	43.72	42.43	41.38
135.0	52.14	50.15	48.46	47.17	46.23	45.41	44.36	43.42	42.84
180.0	51.79	49.69	47.52	46.00	45.06	43.42	42.55	41.49	40.56
225.0	49.16	47.46	46.17	45.30	44.07	43.01	42.14	41.08	39.91
270.0	49.45	47.75	46.41	45.53	44.83	43.54	43.07	42.19	41.26
315.0	48.40	46.82	45.94	45.00	43.54	42.60	41.67	40.56	39.39
360.0	52.09	50.04	48.69	47.93	46.41	45.53	44.30	43.07	41.79

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	40.61	38.74	37.10	35.05	33.01	30.37	27.97	26.10	24.23
45.0	41.61	40.32	38.92	37.51	35.46	33.12	31.08	28.03	25.93
90.0	40.32	39.03	37.57	35.93	33.47	31.43	29.32	26.51	24.99
135.0	41.49	40.85	39.39	38.10	36.40	34.41	32.19	30.20	27.92
180.0	39.56	38.39	37.10	35.70	34.18	31.95	30.02	27.97	25.81
225.0	38.68	37.40	35.58	33.71	31.72	29.44	27.21	25.22	23.88
270.0	39.91	38.80	37.57	35.64	33.77	31.31	29.38	26.74	25.28
315.0	38.10	36.34	34.70	32.77	30.84	28.44	26.04	24.46	23.06
360.0	40.61	38.74	37.10	35.05	33.01	30.37	27.97	26.10	24.23

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	22.47	21.30	19.90	18.49	17.38	16.62	15.92	15.39	14.98
45.0	24.58	22.30	21.07	20.13	18.26	17.44	16.68	15.92	15.22
90.0	23.41	21.54	20.42	19.20	17.97	16.85	16.04	15.39	14.92
135.0	25.75	24.17	22.71	21.13	19.90	18.32	17.38	16.56	15.68
180.0	24.05	22.53	21.07	19.66	18.38	17.09	16.27	15.57	14.92
225.0	21.71	20.48	19.43	18.02	16.85	16.09	15.39	14.81	14.46
270.0	23.41	21.65	20.48	19.43	17.73	16.91	16.15	15.27	14.86
315.0	21.13	19.96	18.43	17.38	16.56	15.68	15.10	14.69	14.34
360.0	22.47	21.30	19.90	18.49	17.38	16.62	15.92	15.39	14.98

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	14.51	14.16	13.87	13.52	13.23	12.93	12.58	12.29	12.00
45.0	14.75	14.40	14.05	13.69	13.40	13.11	12.76	12.47	12.11
90.0	14.40	14.10	13.69	13.34	13.11	12.76	12.47	12.11	11.82
135.0	15.16	14.69	14.34	13.93	13.64	13.34	13.05	12.70	12.41
180.0	14.51	14.22	13.87	13.52	13.28	12.93	12.70	12.41	12.06
225.0	14.05	13.75	13.46	13.17	12.87	12.64	12.35	12.00	11.70
270.0	14.51	14.10	13.81	13.52	13.17	12.93	12.64	12.29	12.00
315.0	13.93	13.64	13.34	13.11	12.76	12.52	12.29	11.94	11.65
360.0	14.51	14.16	13.87	13.52	13.23	12.93	12.58	12.29	12.00

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	11.70	11.47	11.24	11.00	10.77	10.48	10.24	10.36	9.95
45.0	11.82	11.65	11.29	11.06	10.89	10.71	10.36	10.18	10.30
90.0	11.59	11.29	11.12	10.89	10.65	10.48	10.30	10.12	10.01
135.0	12.06	11.76	11.41	11.18	10.94	10.77	10.53	10.36	10.12
180.0	11.82	11.47	11.24	11.00	10.77	10.59	10.42	10.24	10.18
225.0	11.47	11.24	11.00	10.83	10.65	10.48	10.24	10.24	9.89
270.0	11.70	11.47	11.18	10.94	10.83	10.53	10.36	10.07	9.89
315.0	11.41	11.18	11.00	10.77	10.48	10.24	10.12	9.89	10.07
360.0	11.70	11.47	11.24	11.00	10.77	10.48	10.24	10.36	9.95

Intensity data(cd)

C/γ(°)	90.0
0.0	10.18
45.0	9.89
90.0	9.89
135.0	10.01
180.0	9.95
225.0	10.07
270.0	10.12
315.0	9.95
360.0	10.18