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NT

Client:
LumCAT: 2-2680-L
Luminaire: 92.70.411.00
Report No: 2024416-B007
Ballast type: AC

Test No: 2024416-C007	Voltage(V): 33.760
LampCAT: NICHIA NFCWJ108B-V3	Current(A): 0.577
Lamp flux(lm): 2647.0	Power (W): 19.479
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 2186.31, Efficiency(%): 82.60% , Luminous Efficacy(lm/W): 112.24
Central intensity(cd): 4891.808, Maximum intensity(cd): 4891.808
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=37.0
[C90/270]Total=37.0
Field angle(10%Imax): [C0/180]Total=64.8
[C90/270]Total=64.8
Maximum s/h(1/2): C0_180=0.60 C90_270=0.60
Maximum s/h(1/4): C0_180=0.61 C90_270=0.61
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 82.60%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 98.091%

Equipment: GMS1980	Date: 2024/4/16	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	4891.808	0.000	0	0.00%	0.00%
1.0	4887.419	4.679	4.679	0.18%	0.21%
2.0	4859.694	13.990	18.669	0.53%	0.85%
3.0	4828.677	23.171	41.841	0.88%	1.91%
4.0	4773.080	32.140	73.981	1.21%	3.38%
5.0	4689.905	40.709	114.69	1.54%	5.25%
6.0	4596.855	48.804	163.494	1.84%	7.48%
7.0	4485.516	56.374	219.868	2.13%	10.06%
8.0	4360.789	63.311	283.18	2.39%	12.95%
9.0	4204.461	69.417	352.597	2.62%	16.13%
10.0	4041.110	74.619	427.216	2.82%	19.54%
11.0	3882.149	79.170	506.386	2.99%	23.16%
12.0	3709.361	82.986	589.372	3.14%	26.96%
13.0	3515.066	85.736	675.107	3.24%	30.88%
14.0	3335.109	87.682	762.789	3.31%	34.89%
15.0	3141.985	88.920	851.709	3.36%	38.96%
16.0	2949.373	89.255	940.965	3.37%	43.04%
17.0	2752.445	88.793	1029.758	3.35%	47.10%
18.0	2545.934	87.359	1117.116	3.30%	51.10%
19.0	2357.052	85.302	1202.418	3.22%	55.00%
20.0	2176.145	82.970	1285.388	3.13%	58.79%
21.0	1970.365	79.621	1365.01	3.01%	62.43%
22.0	1785.873	75.483	1440.493	2.85%	65.89%
23.0	1614.329	71.345	1511.838	2.70%	69.15%
24.0	1387.956	65.641	1577.479	2.48%	72.15%
25.0	1269.455	60.424	1637.903	2.28%	74.92%
26.0	1161.928	57.393	1695.296	2.17%	77.54%
27.0	1039.725	53.864	1749.16	2.03%	80.00%
28.0	929.052	49.845	1799.005	1.88%	82.28%
29.0	813.675	45.595	1844.6	1.72%	84.37%
30.0	706.162	41.035	1885.635	1.55%	86.25%
31.0	612.489	36.696	1922.331	1.39%	87.93%
32.0	520.338	32.454	1954.785	1.23%	89.41%
33.0	439.131	28.266	1983.052	1.07%	90.70%
34.0	366.417	24.378	2007.43	0.92%	91.82%
35.0	303.081	20.792	2028.222	0.79%	92.77%
36.0	259.855	17.924	2046.146	0.68%	93.59%
37.0	221.661	15.704	2061.85	0.59%	94.31%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	162.663	12.828	2074.679	0.48%	94.89%
39.0	117.681	9.569	2084.247	0.36%	95.33%
40.0	92.714	7.338	2091.585	0.28%	95.67%
41.0	73.555	5.921	2097.506	0.22%	95.94%
42.0	60.300	4.863	2102.369	0.18%	96.16%
43.0	50.673	4.111	2106.48	0.16%	96.35%
44.0	44.272	3.584	2110.064	0.14%	96.51%
45.0	39.473	3.218	2113.282	0.12%	96.66%
46.0	35.523	2.933	2116.215	0.11%	96.79%
47.0	32.487	2.705	2118.92	0.10%	96.92%
48.0	30.095	2.530	2121.45	0.10%	97.03%
49.0	27.974	2.385	2123.834	0.09%	97.14%
50.0	26.247	2.261	2126.095	0.09%	97.25%
51.0	24.638	2.153	2128.248	0.08%	97.34%
52.0	23.248	2.055	2130.303	0.08%	97.44%
53.0	22.180	1.976	2132.279	0.07%	97.53%
54.0	21.134	1.909	2134.188	0.07%	97.62%
55.0	20.161	1.843	2136.031	0.07%	97.70%
56.0	19.400	1.788	2137.819	0.07%	97.78%
57.0	18.705	1.742	2139.561	0.07%	97.86%
58.0	18.120	1.703	2141.264	0.06%	97.94%
59.0	17.586	1.669	2142.934	0.06%	98.02%
60.0	17.132	1.640	2144.574	0.06%	98.09%
61.0	16.723	1.616	2146.189	0.06%	98.16%
62.0	16.372	1.595	2147.784	0.06%	98.24%
63.0	16.042	1.576	2149.361	0.06%	98.31%
64.0	15.735	1.559	2150.92	0.06%	98.38%
65.0	15.413	1.542	2152.461	0.06%	98.45%
66.0	15.157	1.525	2153.987	0.06%	98.52%
67.0	14.974	1.515	2155.502	0.06%	98.59%
68.0	14.784	1.507	2157.009	0.06%	98.66%
69.0	14.675	1.503	2158.512	0.06%	98.73%
70.0	14.616	1.504	2160.016	0.06%	98.80%
71.0	14.609	1.510	2161.527	0.06%	98.87%
72.0	14.689	1.523	2163.05	0.06%	98.94%
73.0	14.755	1.540	2164.59	0.06%	99.01%
74.0	14.792	1.553	2166.143	0.06%	99.08%
75.0	14.718	1.559	2167.703	0.06%	99.15%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	14.557	1.554	2169.257	0.06%	99.22%
77.0	14.301	1.539	2170.795	0.06%	99.29%
78.0	14.002	1.515	2172.31	0.06%	99.36%
79.0	13.416	1.473	2173.783	0.06%	99.43%
80.0	12.502	1.397	2175.181	0.05%	99.49%
81.0	11.536	1.300	2176.481	0.05%	99.55%
82.0	10.944	1.219	2177.7	0.05%	99.61%
83.0	10.629	1.173	2178.873	0.04%	99.66%
84.0	10.424	1.147	2180.019	0.04%	99.71%
85.0	10.139	1.122	2181.142	0.04%	99.76%
86.0	9.810	1.090	2182.232	0.04%	99.81%
87.0	9.407	1.052	2183.284	0.04%	99.86%
88.0	9.261	1.023	2184.307	0.04%	99.91%
89.0	9.122	1.008	2185.314	0.04%	99.95%
90.0	9.130	1.001	2186.315	0.04%	100.00%

Zonal flux distribution table

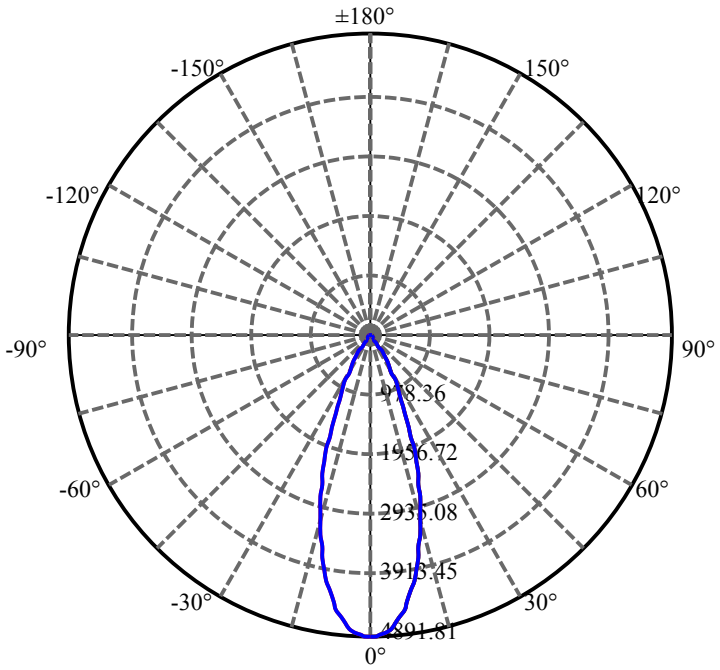
ZONAL LUMEN SUMMARY

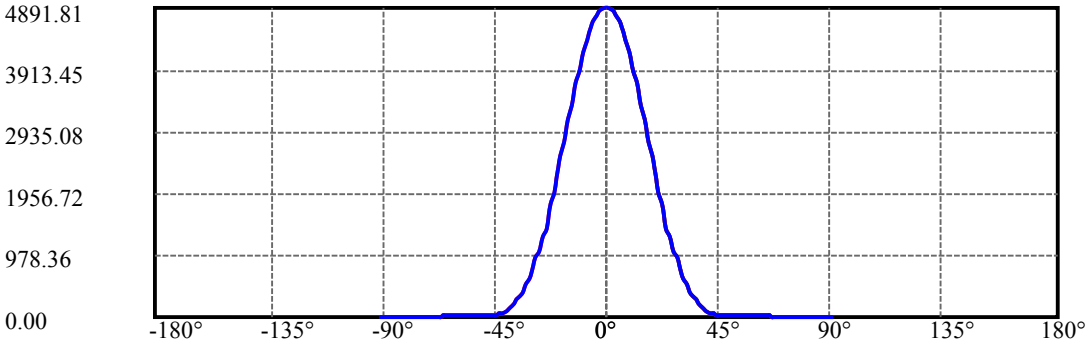
Zone	Lumens	%Lamp	%Fixt
0-30	1885.63	71.24%	86.25%
0-40	2091.59	79.02%	95.67%
0-60	2144.57	81.02%	98.09%
0-90	2185.31	82.56%	99.95%
0-120	2185.31	82.56%	99.95%
0-180	2186.31	82.60%	100.00%
60-90	40.74	1.54%	1.86%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-27.00	1749.05	66.08%	80.00%

ZONAL LUMEN SUMMARY

0-10	427.22
10-20	858.17
20-30	600.25
30-40	205.95
40-50	34.51
50-60	18.48
60-70	15.44
70-80	15.16
80-90	10.13
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:

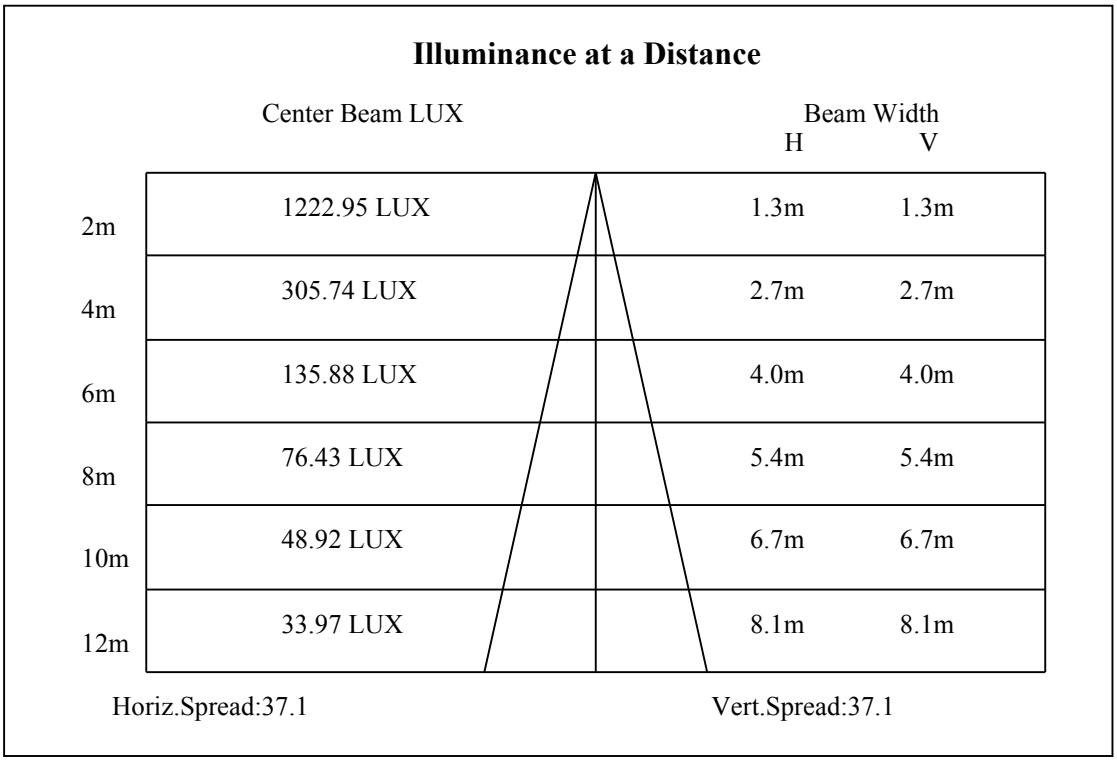
C90/C270:

Field angle(10%Imax):C0/180Left:32.4 Right:32.4
:C90/270Left:32.4 Right:32.4

Beam Angle(50%Imax):C0/180Left:18.5 Right:18.5
:C90/270Left:18.5 Right:18.5

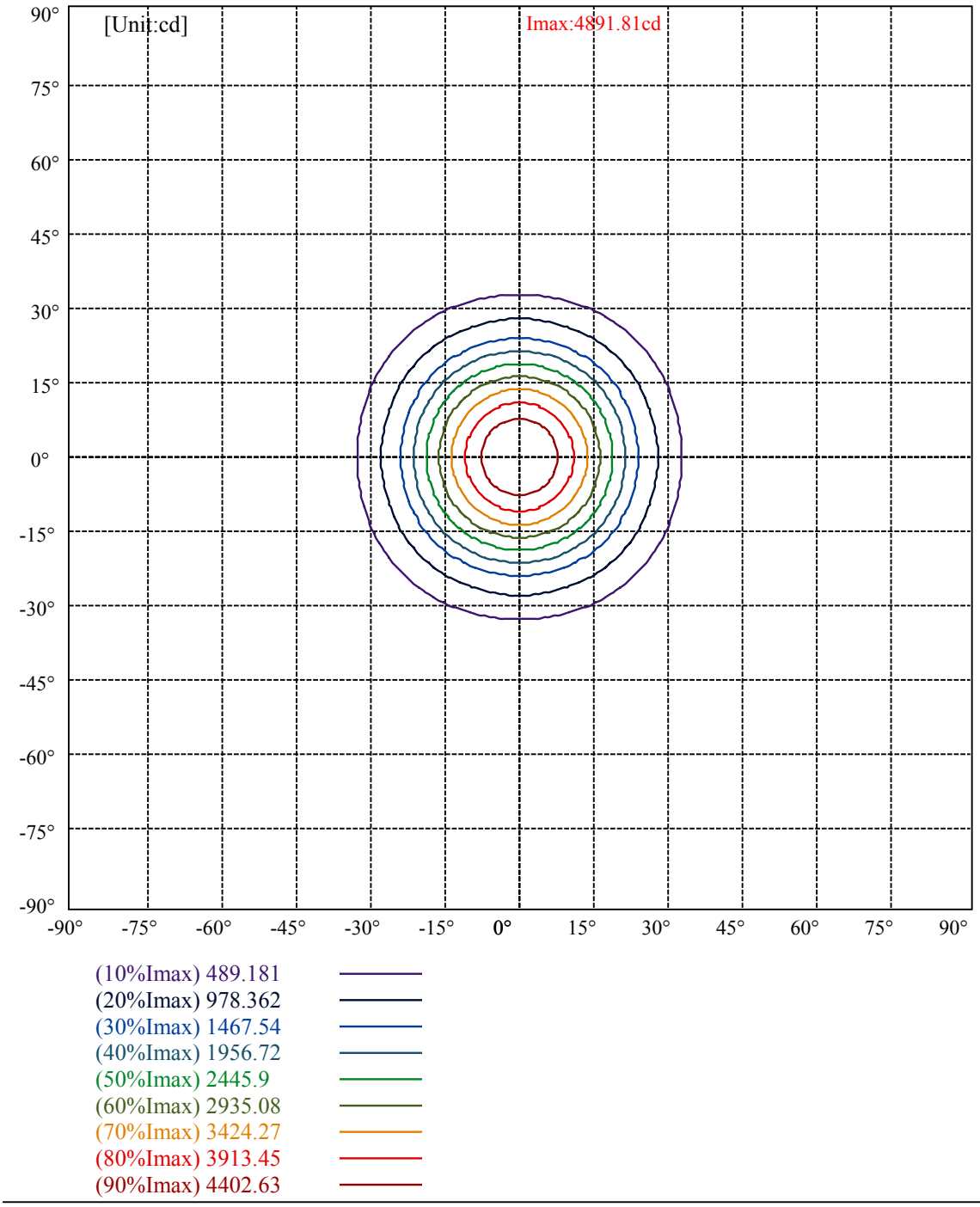
Equipment: GMS1980	Date: 2024/4/16	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65

Lux distance Curve



Equipment: GMS1980 Date: 2024/4/16 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

ISO-Intensity(V-H)

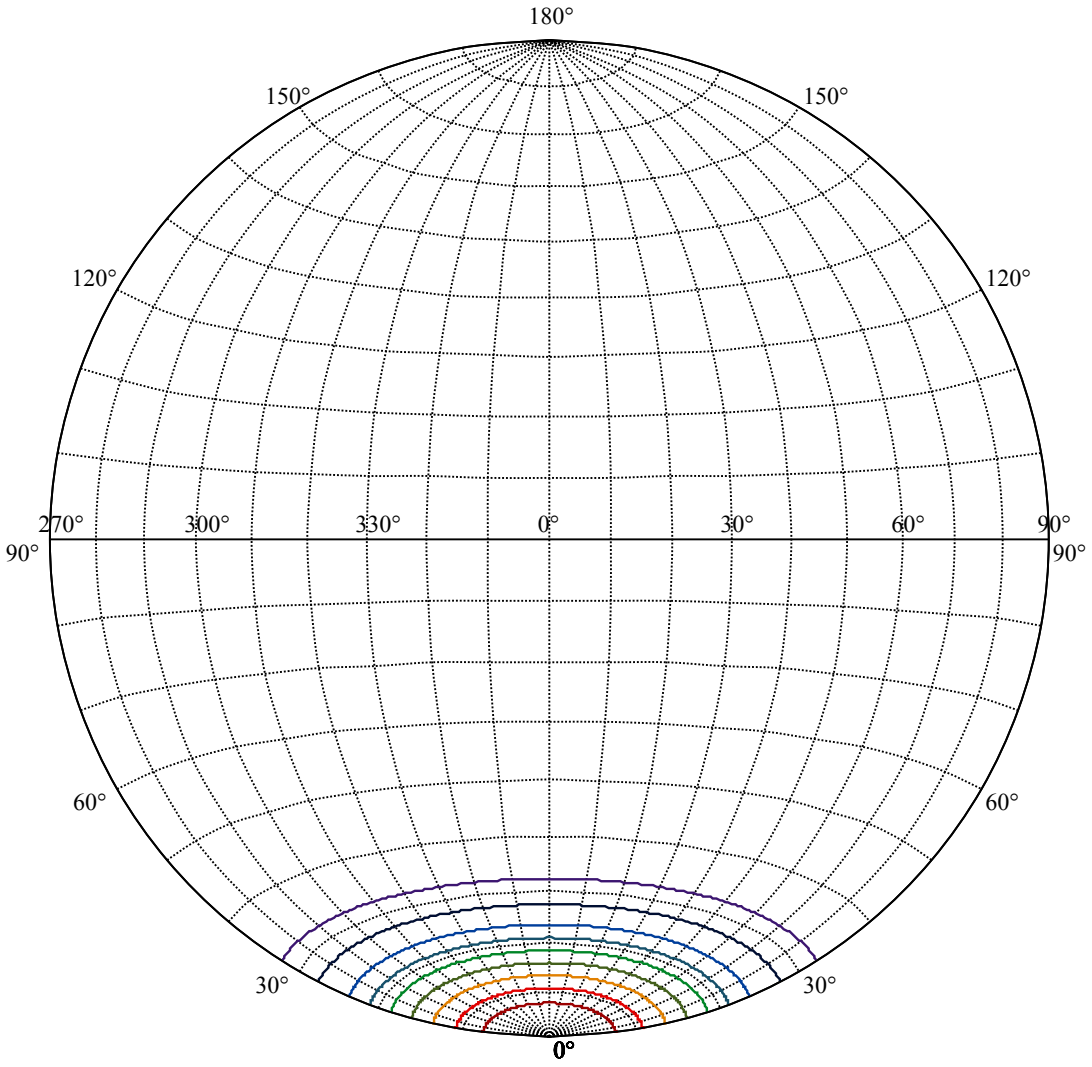


Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/4/16
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

ISO candela diagram on circular web



[Unit:cd]

Imax:4891.81

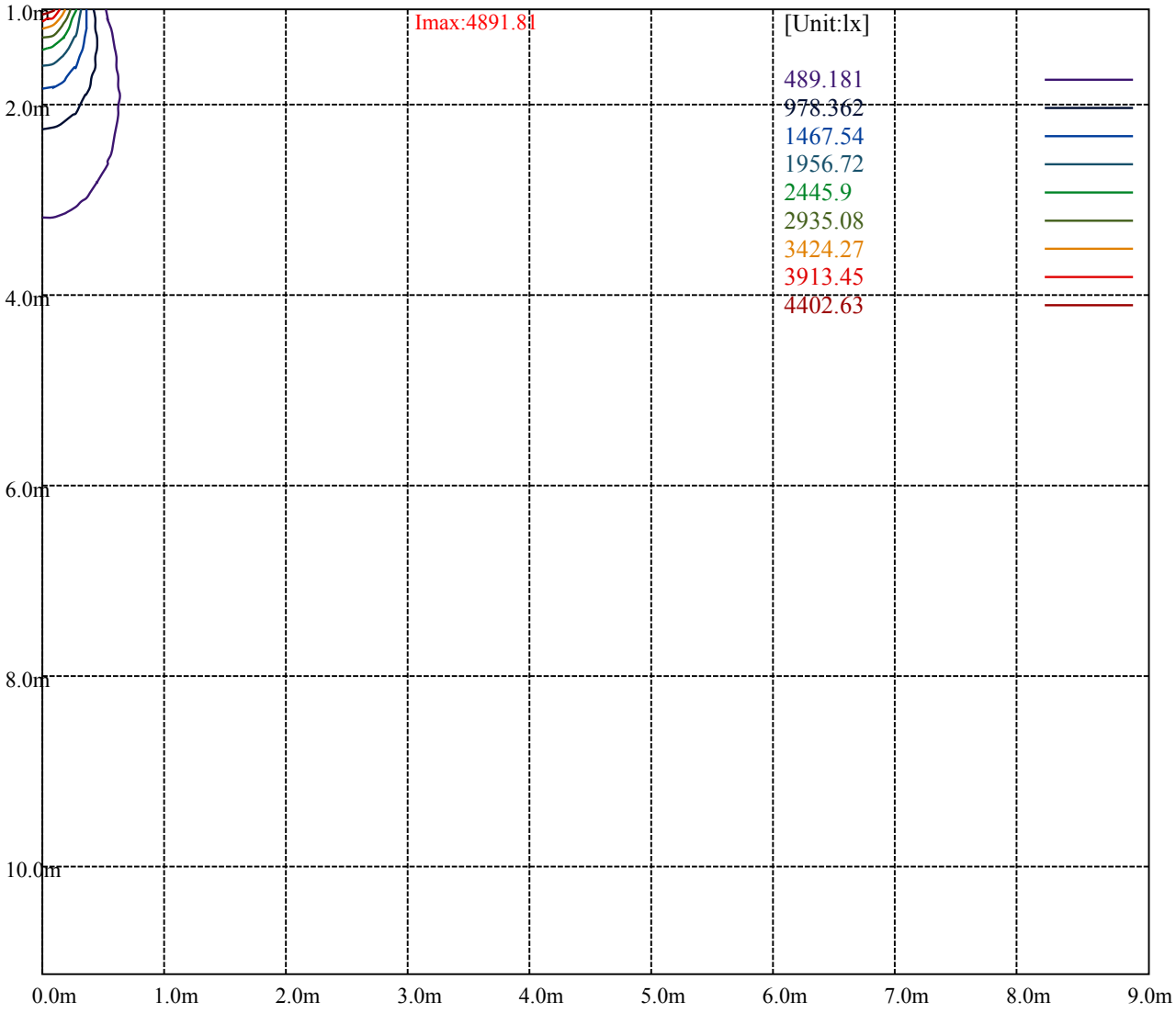
(10%Imax) 489.181
(20%Imax) 978.362
(30%Imax) 1467.54
(40%Imax) 1956.72
(50%Imax) 2445.9
(60%Imax) 2935.08
(70%Imax) 3424.27
(80%Imax) 3913.45
(90%Imax) 4402.63

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/4/16
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/4/16
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

Luminance Limitting Curve(no luminous side)

Luminance Table

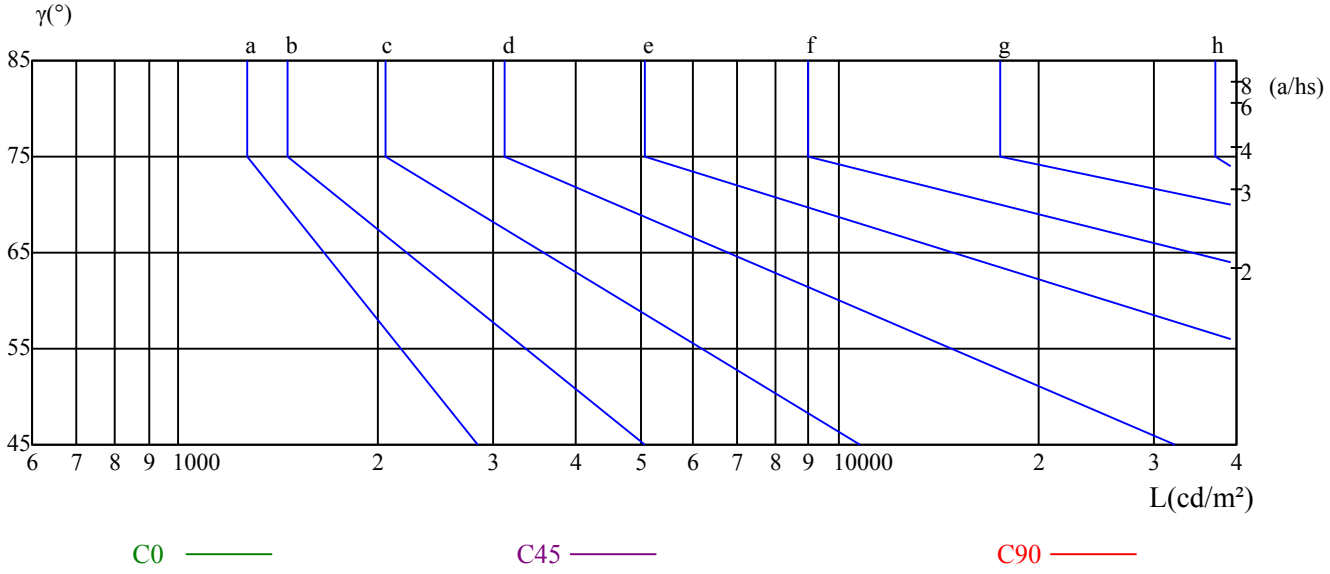
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

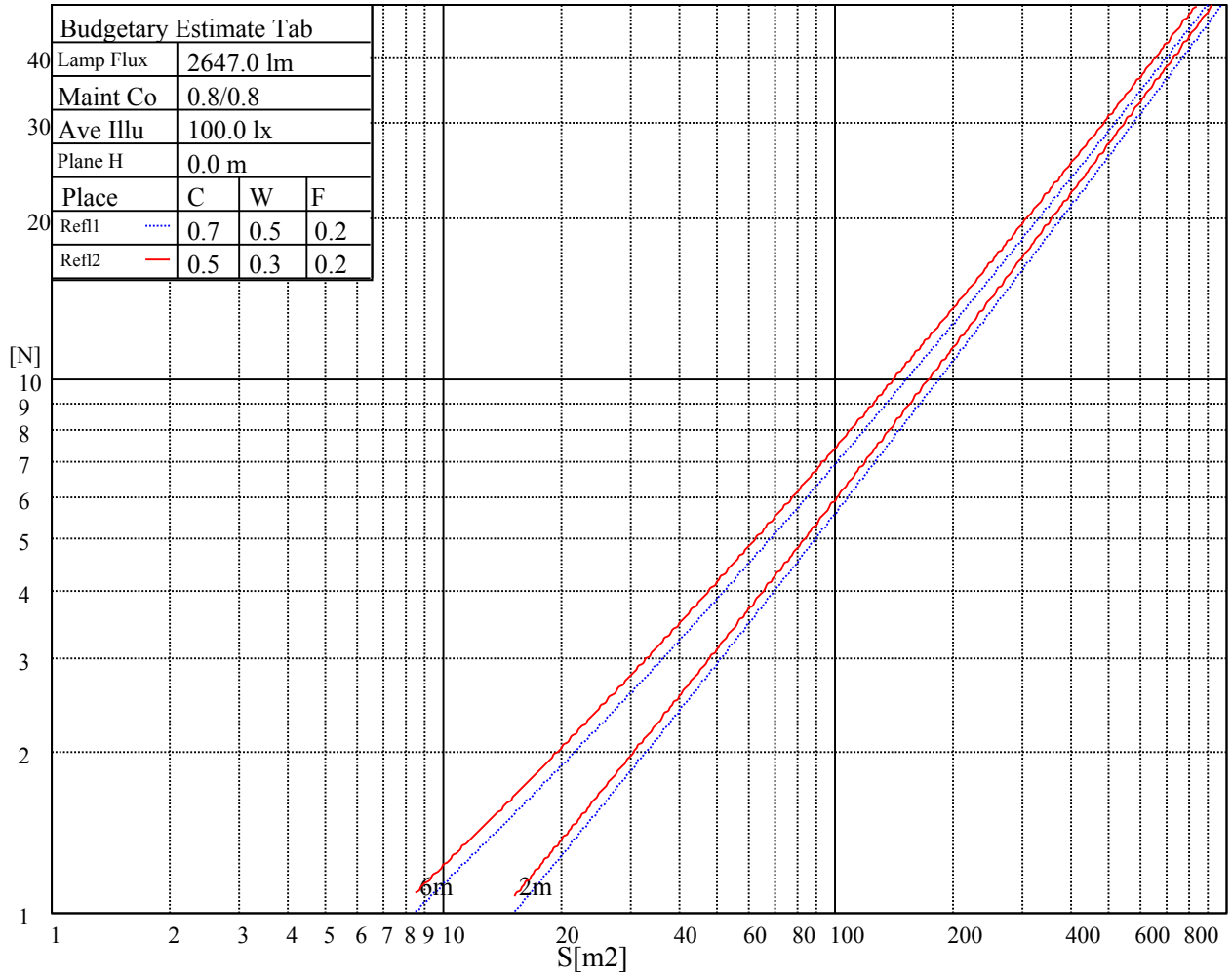
Luminance Limitting Curve



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

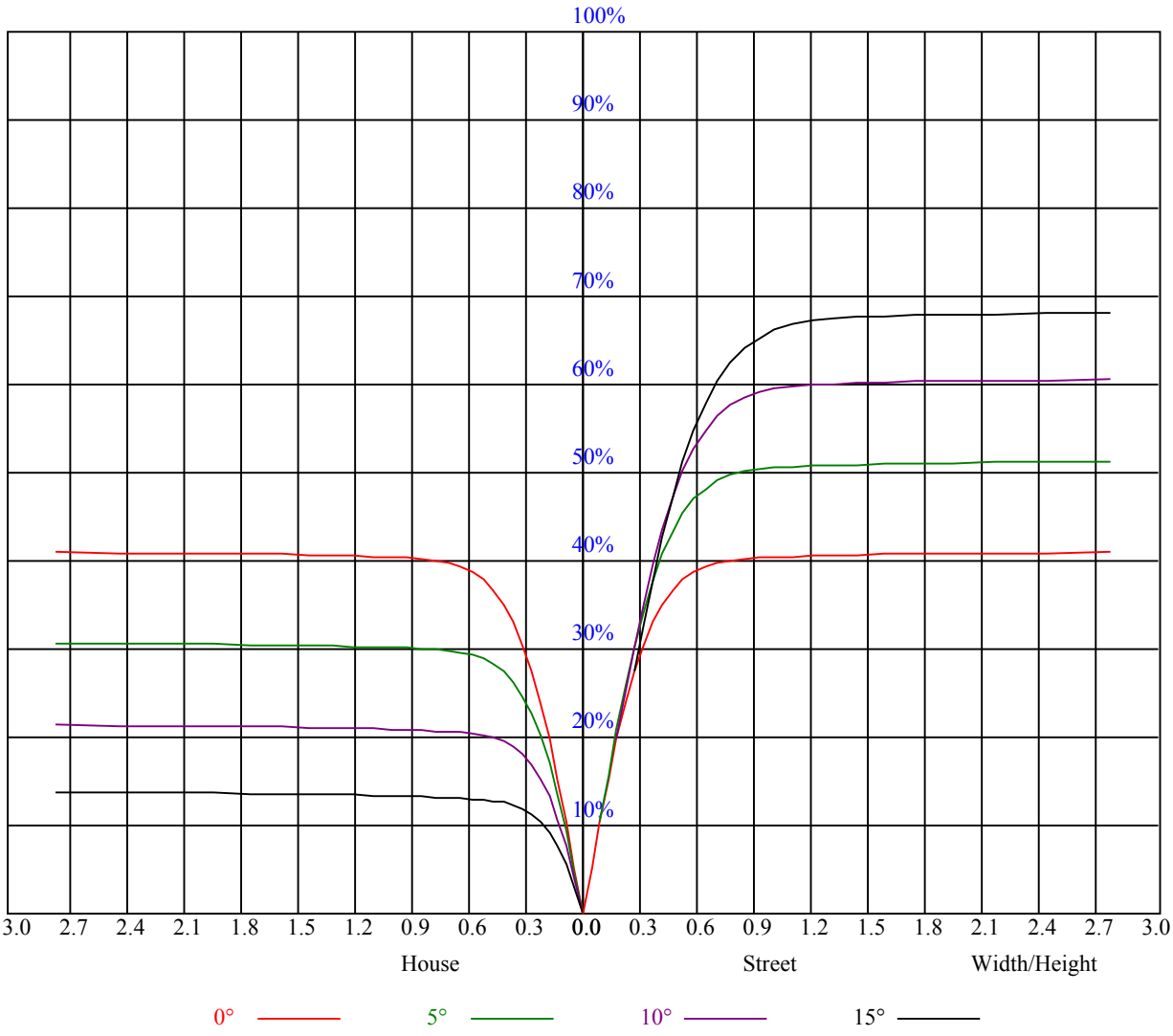


Equipment: GMS1980 Date: 2024/4/16 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

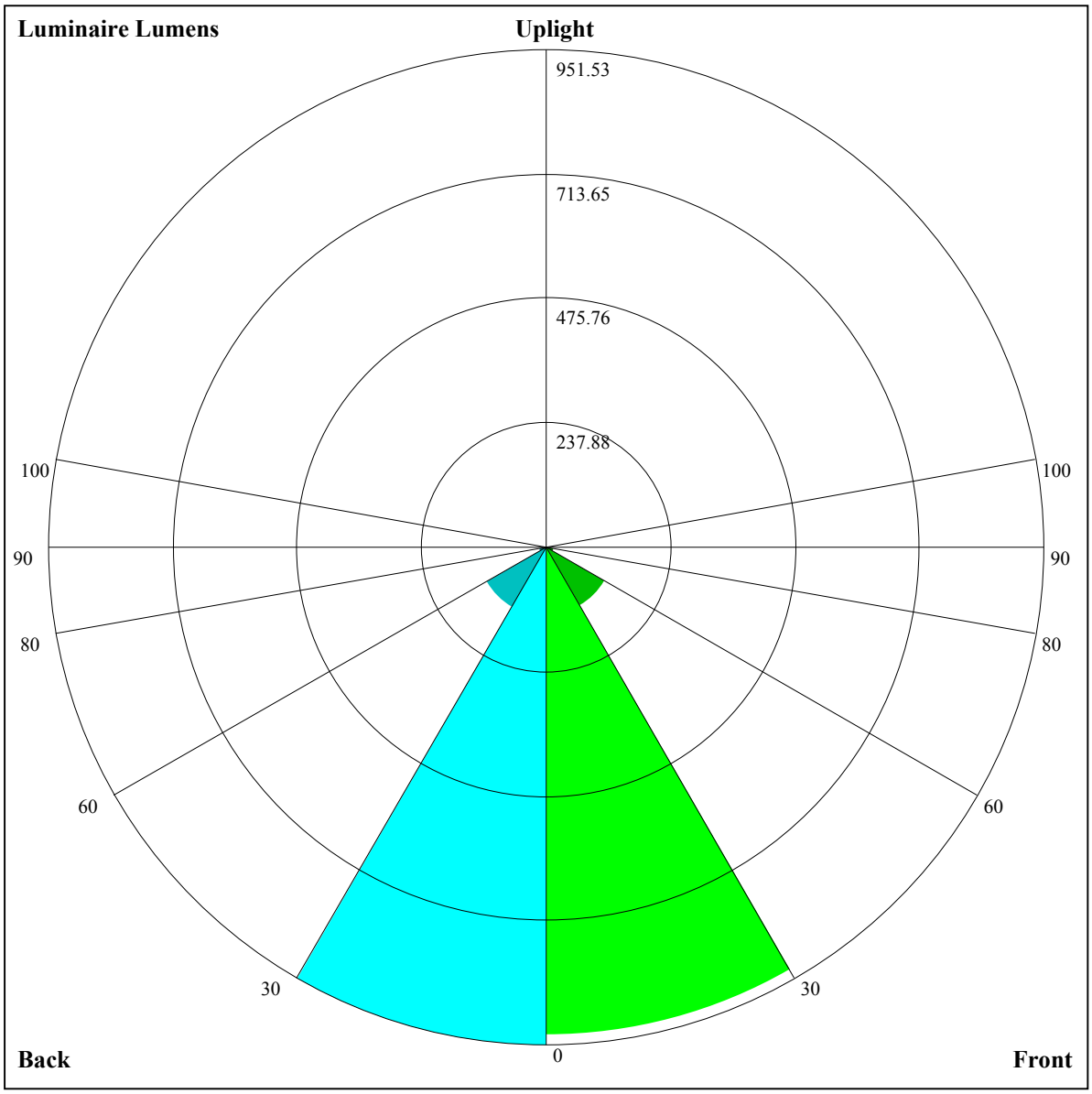
Utilization factor table for indoor luminaire

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	0.98	0.98	0.98	0.96	0.96	0.96	0.92	0.92	0.92	0.88	0.88	0.88	0.84	0.84	0.84	0.83
1	0.92	0.90	0.88	0.90	0.88	0.87	0.87	0.85	0.84	0.84	0.83	0.82	0.81	0.80	0.79	0.78
2	0.86	0.83	0.81	0.85	0.82	0.80	0.82	0.80	0.78	0.80	0.78	0.77	0.78	0.76	0.75	0.74
3	0.82	0.78	0.75	0.81	0.77	0.75	0.78	0.76	0.73	0.76	0.74	0.72	0.75	0.73	0.71	0.70
4	0.77	0.73	0.70	0.76	0.73	0.70	0.75	0.72	0.69	0.73	0.71	0.68	0.72	0.69	0.68	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	0.65	0.69	0.66	0.64	0.63
6	0.70	0.66	0.63	0.69	0.65	0.63	0.68	0.65	0.62	0.67	0.64	0.62	0.66	0.63	0.61	0.60
7	0.67	0.63	0.60	0.66	0.62	0.60	0.65	0.62	0.59	0.64	0.61	0.59	0.64	0.61	0.59	0.58
8	0.64	0.60	0.57	0.64	0.60	0.57	0.63	0.59	0.57	0.62	0.59	0.56	0.61	0.58	0.56	0.55
9	0.61	0.57	0.54	0.61	0.57	0.54	0.60	0.57	0.54	0.60	0.56	0.54	0.59	0.56	0.54	0.53
10	0.59	0.55	0.52	0.59	0.55	0.52	0.58	0.54	0.52	0.57	0.54	0.52	0.57	0.54	0.52	0.51

Coefficient Utilization Curve



Equipment: GMS1980	Date: 2024/4/16	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65



Luminaire Lumens:
FL=932.16,FM=128.4,FH=15.68,FVH=5.63
BL=951.53,BM=131.34,BH=14.74,BVH=5.57
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	4894.30	4877.91	4841.04	4808.27	4729.26	4637.38	4540.82	4392.76	4274.54
45.0	4889.61	4900.73	4879.66	4849.23	4828.75	4753.26	4673.67	4582.96	4485.81
90.0	4898.98	4883.76	4867.96	4831.09	4756.18	4680.10	4598.76	4507.46	4355.89
135.0	4884.35	4894.30	4884.35	4870.30	4835.77	4756.77	4681.27	4601.68	4482.88
180.0	4894.30	4903.66	4880.84	4868.55	4828.75	4752.67	4667.81	4564.81	4434.89
225.0	4889.61	4878.49	4842.80	4799.49	4729.26	4606.95	4509.22	4391.00	4261.08
270.0	4898.98	4896.64	4867.96	4836.36	4780.76	4718.14	4625.68	4495.17	4374.03
315.0	4884.35	4863.86	4812.95	4766.13	4695.90	4613.97	4477.61	4348.28	4217.19
360.0	4894.30	4877.91	4841.04	4808.27	4729.26	4637.38	4540.82	4392.76	4274.54

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	4086.68	3929.26	3764.81	3606.80	3393.78	3214.70	3029.77	2849.52	2625.96
45.0	4337.75	4193.20	4045.13	3884.20	3688.73	3530.14	3306.58	3121.65	2933.79
90.0	4212.51	4036.36	3883.03	3714.48	3490.93	3315.94	3132.18	2953.69	2734.81
135.0	4359.40	4223.04	4079.08	3888.29	3727.36	3552.37	3373.30	3144.47	2961.88
180.0	4312.00	4129.41	3967.88	3806.95	3643.67	3429.48	3243.38	3066.05	2889.90
225.0	4065.62	3904.68	3738.48	3574.61	3359.25	3176.07	2993.48	2768.76	2587.92
270.0	4240.60	4057.42	3885.95	3720.92	3510.24	3334.67	3153.84	2971.25	2747.69
315.0	4021.14	3855.52	3692.83	3478.64	3306.58	3127.50	2903.36	2719.60	2537.59
360.0	4086.68	3929.26	3764.81	3606.80	3393.78	3214.70	3029.77	2849.52	2625.96

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2447.47	2270.15	2091.07	1872.19	1705.40	1511.69	1152.83	1152.83	1096.07
45.0	2709.65	2529.40	2351.49	2123.25	1948.27	1773.88	1614.69	1435.62	1300.43
90.0	2548.13	2369.63	2187.04	1964.66	1790.26	1628.15	1442.64	1150.67	1150.67
135.0	2778.71	2551.05	2374.90	2194.65	1976.36	1803.72	1645.71	1455.51	1312.13
180.0	2664.59	2477.32	2292.38	2057.71	1887.99	1686.68	1518.13	1371.83	1240.74
225.0	2353.25	2171.83	1990.41	1817.77	1614.11	1458.44	1156.05	1156.05	1033.57
270.0	2558.08	2362.03	2171.83	1947.69	1779.73	1615.86	1429.76	1289.31	1133.64
315.0	2307.60	2125.01	1950.03	1784.99	1584.85	1436.20	1143.82	1143.82	1028.18
360.0	2447.47	2270.15	2091.07	1872.19	1705.40	1511.69	1152.83	1152.83	1096.07

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	983.94	880.47	784.90	670.08	583.94	503.41	411.82	346.69	289.39
45.0	1172.85	1053.46	920.62	821.71	727.49	615.13	533.20	438.39	369.34
90.0	1034.79	924.07	824.76	704.14	612.44	526.41	449.69	378.29	300.51
135.0	1179.87	1056.97	918.28	815.86	718.71	627.42	522.66	446.00	377.53
180.0	1081.55	972.70	867.36	756.17	639.12	550.76	469.41	396.84	320.18
225.0	923.84	816.10	689.28	597.11	510.73	415.10	348.33	290.97	227.07
270.0	1017.76	909.50	805.91	676.58	584.11	498.67	420.84	335.98	306.13
315.0	923.19	819.14	698.29	607.64	523.37	425.81	357.10	298.17	234.50
360.0	983.94	880.47	784.90	670.08	583.94	503.41	411.82	346.69	289.39

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	237.43	181.83	144.73	114.47	86.38	70.17	55.83	47.99	42.25
45.0	308.47	308.47	241.17	150.05	118.63	94.28	72.22	59.87	50.97
90.0	244.57	196.11	146.07	114.29	85.79	69.58	58.00	49.63	42.37
135.0	302.62	302.62	236.02	147.48	117.40	89.13	73.04	61.04	52.44
180.0	306.13	306.13	159.94	126.99	100.54	76.43	63.20	51.85	45.41
225.0	183.29	146.48	116.52	87.61	70.99	59.05	50.56	43.07	38.74
270.0	306.13	178.55	134.66	107.97	87.14	67.83	56.94	47.46	42.14
315.0	190.20	153.09	122.19	92.58	74.85	61.98	52.61	44.48	39.85
360.0	237.43	181.83	144.73	114.47	86.38	70.17	55.83	47.99	42.25

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	38.10	34.06	31.49	29.44	27.62	25.69	24.40	23.23	22.24
45.0	44.65	38.86	35.41	32.66	29.73	27.80	26.10	24.35	23.12
90.0	38.10	34.70	31.37	29.14	27.27	25.63	23.82	22.59	21.59
135.0	44.65	40.09	36.58	33.71	30.61	28.56	26.80	24.93	23.70
180.0	40.56	36.87	33.24	30.90	28.85	27.04	25.52	23.82	22.65
225.0	35.35	31.95	29.67	27.33	25.69	24.23	22.71	21.65	20.72
270.0	38.10	34.88	31.66	29.55	27.62	26.04	24.29	23.06	22.00
315.0	36.28	32.77	30.49	28.03	26.39	24.99	23.47	22.36	21.42
360.0	38.10	34.06	31.49	29.44	27.62	25.69	24.40	23.23	22.24

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	21.13	20.37	19.49	18.84	18.32	17.73	17.38	16.97	16.68
45.0	22.06	20.83	20.01	19.25	18.43	17.91	17.44	16.97	16.62
90.0	20.42	19.61	18.67	18.08	17.56	17.09	16.56	16.21	15.86
135.0	22.53	21.30	20.48	19.72	19.02	18.32	17.85	17.32	16.91
180.0	21.59	20.48	19.72	18.84	18.32	17.79	17.21	16.80	16.44
225.0	19.90	18.96	18.43	17.91	17.38	16.85	16.50	16.15	15.80
270.0	20.83	20.01	19.31	18.49	17.91	17.44	16.91	16.56	16.21
315.0	20.60	19.72	19.08	18.49	18.02	17.56	17.21	16.80	16.44
360.0	21.13	20.37	19.49	18.84	18.32	17.73	17.38	16.97	16.68

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	16.33	16.04	15.80	15.68	16.27	17.09	18.02	19.20	20.25
45.0	16.21	15.86	15.51	15.27	14.98	14.63	14.34	14.05	13.75
90.0	15.63	15.33	15.04	14.81	14.51	14.22	13.99	13.64	13.40
135.0	16.50	16.21	15.86	15.57	15.27	14.92	14.63	14.40	13.99
180.0	16.09	15.74	15.45	15.16	14.92	14.51	14.28	14.16	14.46
225.0	15.57	15.27	14.86	14.63	14.34	13.99	13.69	13.40	13.17
270.0	15.86	15.57	15.27	14.98	14.63	14.34	14.10	13.87	13.58
315.0	16.15	15.86	15.51	15.16	14.86	14.57	14.34	14.22	14.28
360.0	16.33	16.04	15.80	15.68	16.27	17.09	18.02	19.20	20.25

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	20.72	20.66	20.13	19.31	18.43	17.62	16.85	15.68	13.34
45.0	13.46	13.23	12.99	12.64	12.41	12.23	12.00	11.76	11.59
90.0	13.17	13.11	13.58	13.93	14.10	14.10	14.10	13.69	12.35
135.0	13.81	13.58	13.46	13.81	13.99	14.10	14.40	14.40	13.81
180.0	14.75	14.69	14.40	13.81	13.28	12.47	12.06	11.70	11.41
225.0	12.87	12.64	12.41	12.11	11.88	11.65	11.47	11.24	11.06
270.0	13.69	14.16	14.75	15.10	15.16	15.04	14.81	14.16	13.23
315.0	15.04	15.98	16.62	17.03	17.21	17.21	16.33	14.69	13.23
360.0	20.72	20.66	20.13	19.31	18.43	17.62	16.85	15.68	13.34

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	11.29	10.71	10.48	10.24	10.12	9.89	9.36	9.25	9.07
45.0	11.41	11.24	11.06	11.00	10.89	11.12	9.60	9.31	9.13
90.0	11.06	10.77	10.65	10.53	10.01	9.60	9.36	9.25	9.07
135.0	13.05	11.59	10.65	10.36	10.12	9.71	9.54	9.36	9.25
180.0	11.00	10.71	10.48	10.24	9.89	9.60	9.48	9.31	9.19
225.0	10.89	10.77	10.77	10.42	9.60	9.42	9.31	9.31	9.13
270.0	11.94	10.77	10.53	10.48	10.48	9.66	9.36	9.19	9.07
315.0	11.65	11.00	10.42	10.12	10.01	9.48	9.25	9.13	9.07
360.0	11.29	10.71	10.48	10.24	10.12	9.89	9.36	9.25	9.07

Intensity data(cd)

C/γ(°)	90.0
0.0	9.13
45.0	9.07
90.0	9.07
135.0	9.13
180.0	9.07
225.0	9.19
270.0	9.25
315.0	9.13
360.0	9.13