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NT

Client:
LumCAT: 2-2687-L
Luminaire: 92.70.411.00
Report No: 2024418-B021
Ballast type: AC

Test No: 2024418-C021	Voltage(V): 33.680
LampCAT: NICHIA NFCWJ120B-V3	Current(A): 0.576
Lamp flux(lm): 2726.0	Power (W): 19.399
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 2271.50, Efficiency(%): 83.33% , Luminous Efficacy(lm/W): 117.09
Central intensity(cd): 8838.127, Maximum intensity(cd): 8838.127
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=22.4
[C90/270]Total=22.4
Field angle(10%Imax): [C0/180]Total=55.0
[C90/270]Total=55.0
Maximum s/h(1/2): C0_180=0.38 C90_270=0.38
Maximum s/h(1/4): C0_180=0.43 C90_270=0.43
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 83.33%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 97.714%

Equipment: GMS1980	Date: 2024/4/18	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	8838.126	0.000	0	0.00%	0.00%
1.0	8769.436	8.425	8.425	0.31%	0.37%
2.0	8578.872	24.900	33.325	0.91%	1.47%
3.0	8297.452	40.363	73.687	1.48%	3.24%
4.0	7870.750	54.120	127.808	1.99%	5.63%
5.0	7409.226	65.734	193.541	2.41%	8.52%
6.0	6938.559	75.401	268.943	2.77%	11.84%
7.0	6452.603	83.119	352.061	3.05%	15.50%
8.0	5934.313	88.651	440.712	3.25%	19.40%
9.0	5441.188	92.192	532.904	3.38%	23.46%
10.0	4961.669	94.142	627.046	3.45%	27.60%
11.0	4503.145	94.573	721.619	3.47%	31.77%
12.0	4102.778	94.075	815.695	3.45%	35.91%
13.0	3663.128	92.162	907.856	3.38%	39.97%
14.0	3310.676	89.264	997.12	3.27%	43.90%
15.0	2999.776	86.633	1083.753	3.18%	47.71%
16.0	2723.037	83.855	1167.608	3.08%	51.40%
17.0	2450.615	80.568	1248.176	2.96%	54.95%
18.0	2243.884	77.402	1325.578	2.84%	58.36%
19.0	2053.833	74.771	1400.35	2.74%	61.65%
20.0	1877.826	71.960	1472.31	2.64%	64.82%
21.0	1709.354	68.881	1541.191	2.53%	67.85%
22.0	1547.832	65.455	1606.645	2.40%	70.73%
23.0	1386.237	61.565	1668.21	2.26%	73.44%
24.0	1251.387	57.668	1725.878	2.12%	75.98%
25.0	1173.398	55.134	1781.012	2.02%	78.41%
26.0	1054.795	52.597	1833.609	1.93%	80.72%
27.0	937.377	48.739	1882.348	1.79%	82.87%
28.0	825.145	44.623	1926.971	1.64%	84.83%
29.0	720.441	40.437	1967.408	1.48%	86.61%
30.0	602.401	35.716	2003.125	1.31%	88.19%
31.0	512.511	31.026	2034.151	1.14%	89.55%
32.0	430.755	27.023	2061.175	0.99%	90.74%
33.0	351.845	23.056	2084.23	0.85%	91.76%
34.0	289.452	19.408	2103.638	0.71%	92.61%
35.0	254.127	16.882	2120.519	0.62%	93.35%
36.0	194.836	14.295	2134.814	0.52%	93.98%
37.0	149.744	11.238	2146.053	0.41%	94.48%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	114.353	8.815	2154.868	0.32%	94.87%
39.0	92.363	7.056	2161.924	0.26%	95.18%
40.0	75.494	5.854	2167.778	0.21%	95.43%
41.0	62.692	4.921	2172.699	0.18%	95.65%
42.0	53.029	4.204	2176.903	0.15%	95.84%
43.0	45.765	3.660	2180.563	0.13%	96.00%
44.0	40.637	3.261	2183.824	0.12%	96.14%
45.0	36.862	2.978	2186.802	0.11%	96.27%
46.0	33.672	2.758	2189.561	0.10%	96.39%
47.0	31.061	2.575	2192.135	0.09%	96.51%
48.0	29.056	2.430	2194.565	0.09%	96.61%
49.0	27.367	2.317	2196.882	0.08%	96.72%
50.0	25.852	2.219	2199.101	0.08%	96.81%
51.0	24.667	2.137	2201.239	0.08%	96.91%
52.0	23.819	2.081	2203.319	0.08%	97.00%
53.0	23.211	2.046	2205.365	0.08%	97.09%
54.0	22.685	2.023	2207.388	0.07%	97.18%
55.0	22.319	2.009	2209.397	0.07%	97.27%
56.0	22.056	2.005	2211.402	0.07%	97.35%
57.0	21.946	2.012	2213.414	0.07%	97.44%
58.0	21.865	2.026	2215.44	0.07%	97.53%
59.0	21.931	2.048	2217.487	0.08%	97.62%
60.0	21.983	2.075	2219.562	0.08%	97.71%
61.0	21.946	2.096	2221.658	0.08%	97.81%
62.0	21.646	2.101	2223.759	0.08%	97.90%
63.0	21.032	2.076	2225.835	0.08%	97.99%
64.0	20.351	2.031	2227.865	0.07%	98.08%
65.0	19.547	1.975	2229.84	0.07%	98.17%
66.0	18.830	1.915	2231.754	0.07%	98.25%
67.0	18.244	1.864	2233.619	0.07%	98.33%
68.0	17.901	1.831	2235.45	0.07%	98.41%
69.0	17.879	1.825	2237.275	0.07%	98.49%
70.0	18.208	1.853	2239.128	0.07%	98.57%
71.0	18.830	1.914	2241.043	0.07%	98.66%
72.0	19.481	1.992	2243.035	0.07%	98.75%
73.0	20.139	2.072	2245.106	0.08%	98.84%
74.0	20.644	2.144	2247.25	0.08%	98.93%
75.0	20.724	2.186	2249.436	0.08%	99.03%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	20.154	2.170	2251.606	0.08%	99.12%
77.0	19.239	2.100	2253.706	0.08%	99.22%
78.0	18.062	1.997	2255.703	0.07%	99.30%
79.0	16.555	1.860	2257.563	0.07%	99.39%
80.0	14.536	1.676	2259.239	0.06%	99.46%
81.0	12.926	1.485	2260.724	0.05%	99.53%
82.0	12.100	1.357	2262.081	0.05%	99.59%
83.0	11.814	1.300	2263.381	0.05%	99.64%
84.0	11.639	1.278	2264.659	0.05%	99.70%
85.0	11.192	1.246	2265.905	0.05%	99.75%
86.0	10.629	1.193	2267.098	0.04%	99.81%
87.0	10.205	1.140	2268.238	0.04%	99.86%
88.0	9.978	1.106	2269.344	0.04%	99.91%
89.0	9.810	1.085	2270.428	0.04%	99.95%
90.0	9.729	1.071	2271.5	0.04%	100.00%

Zonal flux distribution table

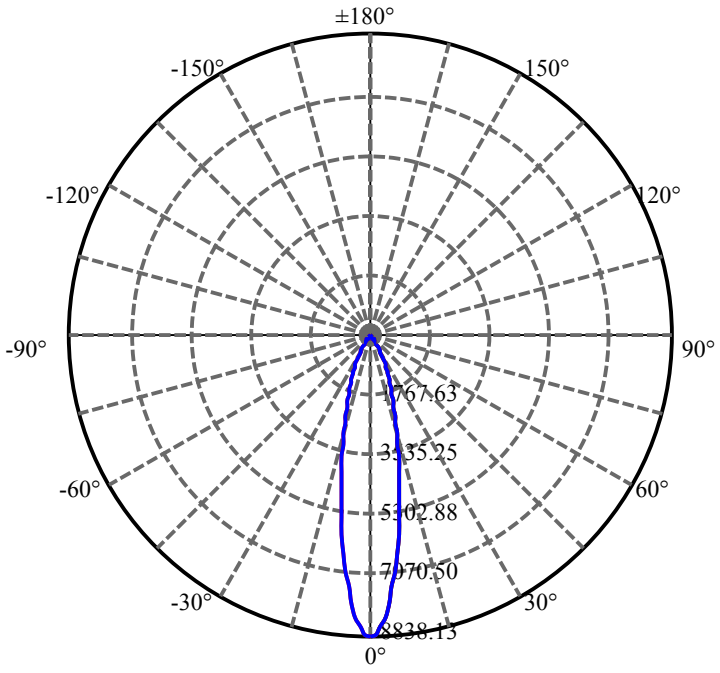
ZONAL LUMEN SUMMARY

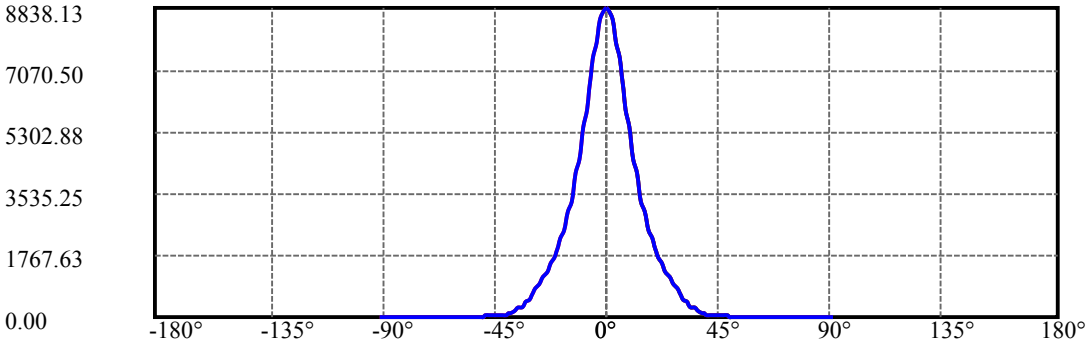
Zone	Lumens	%Lamp	%Fixt
0-30	2003.12	73.48%	88.19%
0-40	2167.78	79.52%	95.43%
0-60	2219.56	81.42%	97.71%
0-90	2270.43	83.29%	99.95%
0-120	2270.43	83.29%	99.95%
0-180	2271.50	83.33%	100.00%
60-90	50.87	1.87%	2.24%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-25.69	1817.20	66.66%	80.00%

ZONAL LUMEN SUMMARY

0-10	627.05
10-20	845.26
20-30	530.81
30-40	164.65
40-50	31.32
50-60	20.46
60-70	19.57
70-80	20.11
80-90	11.19
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:

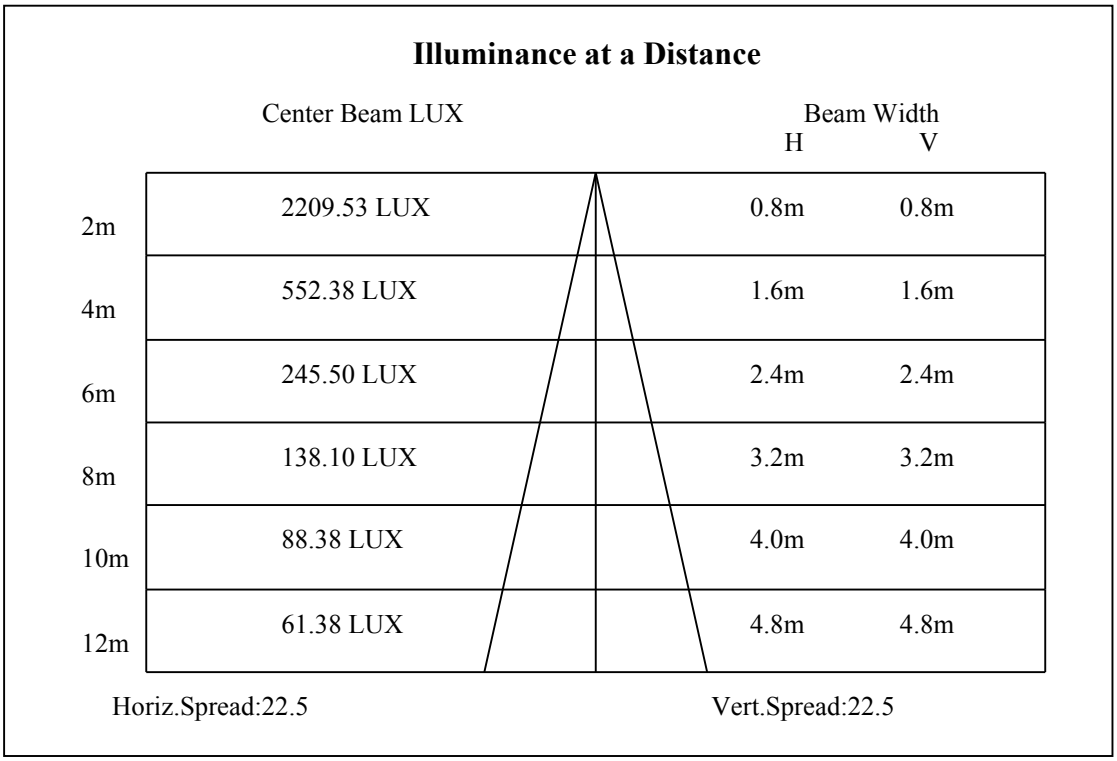
C90/C270:

Field angle(10%Imax):C0/180Left:27.5 Right:27.5
:C90/270Left:27.5 Right:27.5

Beam Angle(50%Imax):C0/180Left:11.2 Right:11.2
:C90/270Left:11.2 Right:11.2

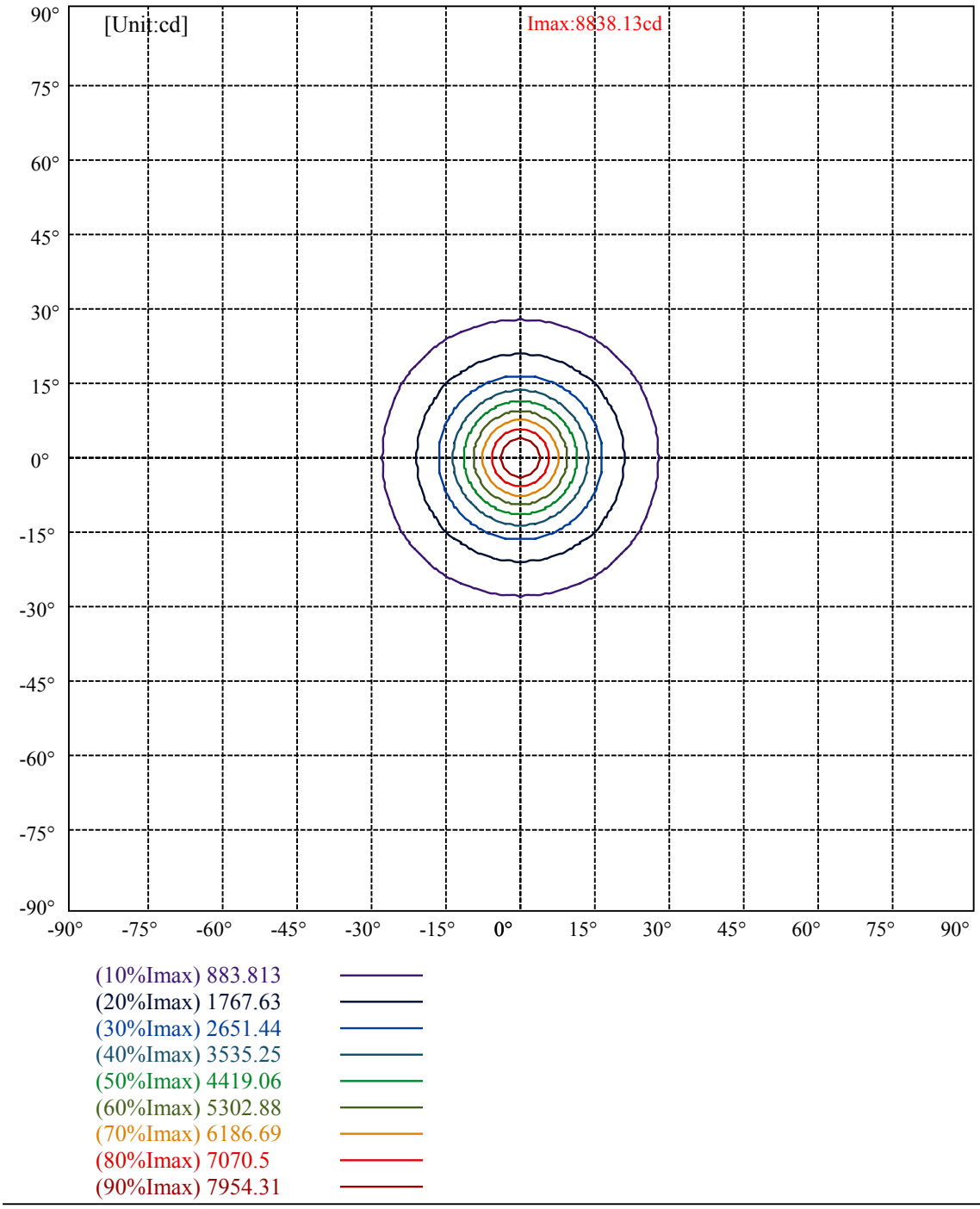
Equipment: GMS1980	Date: 2024/4/18	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65

Lux distance Curve



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

ISO-Intensity(V-H)



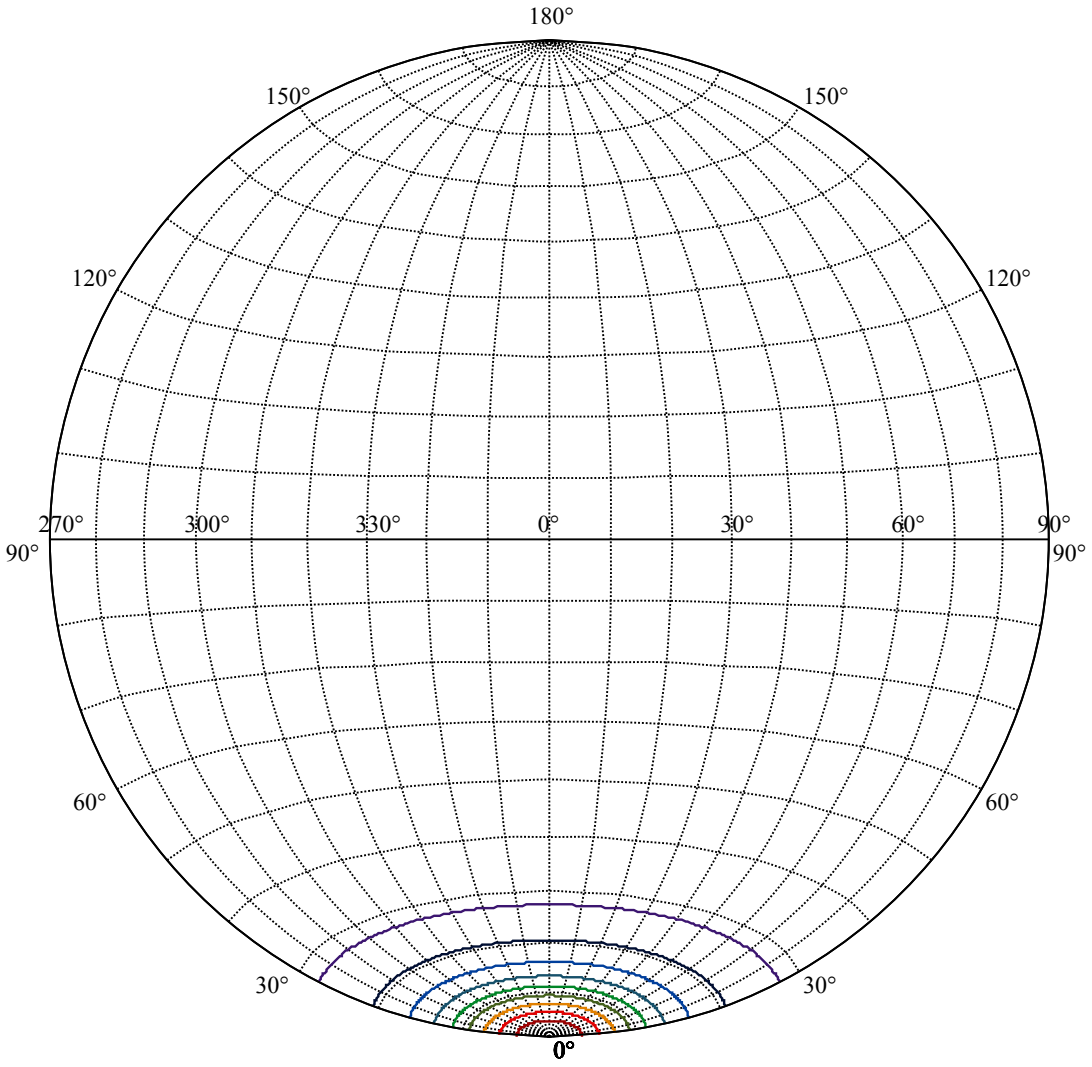
(10%Imax) 883.813
(20%Imax) 1767.63
(30%Imax) 2651.44
(40%Imax) 3535.25
(50%Imax) 4419.06
(60%Imax) 5302.88
(70%Imax) 6186.69
(80%Imax) 7070.5
(90%Imax) 7954.31

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



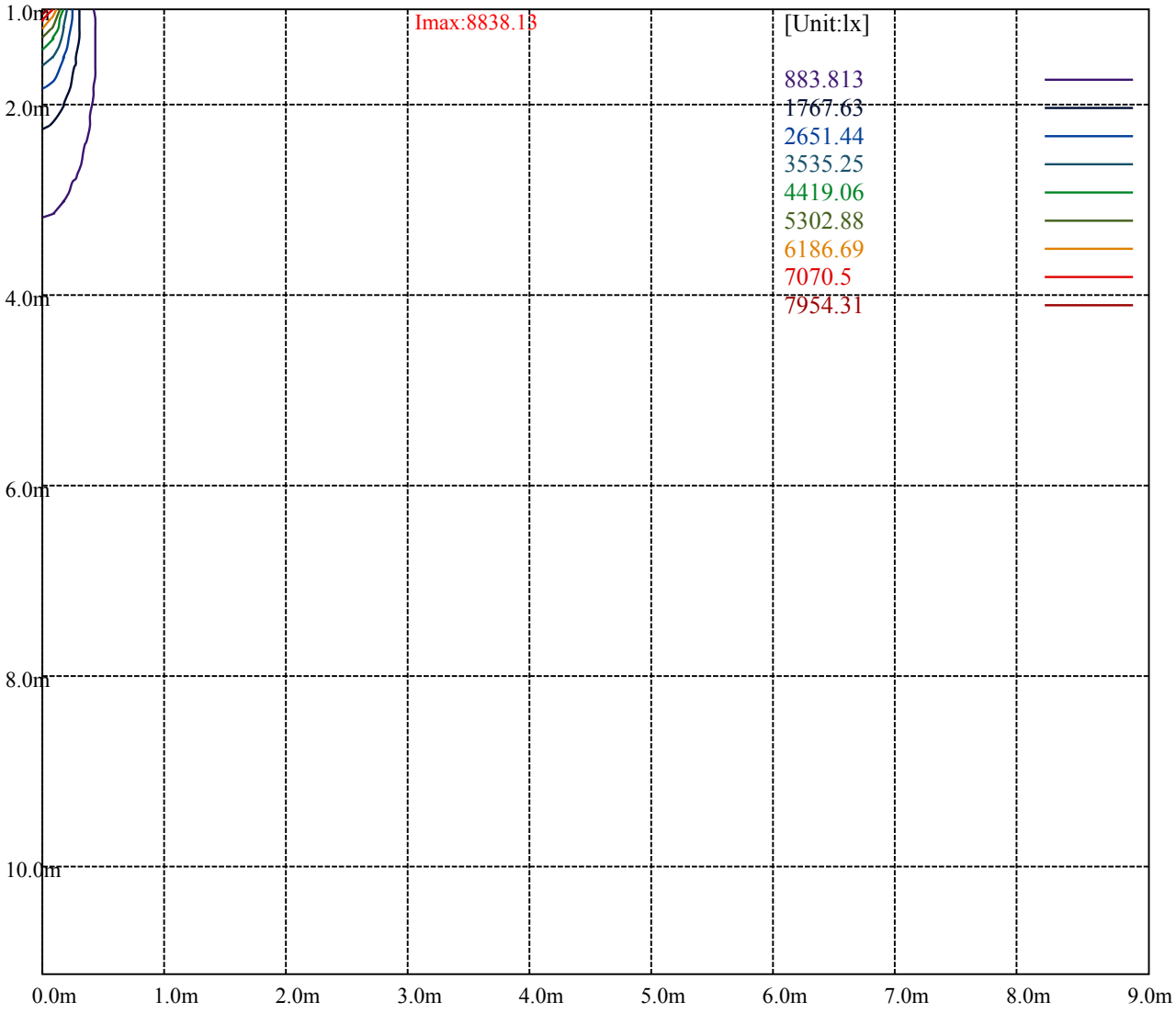
[Unit:cd]

Imax:8838.13

(10%Imax) 883.813
(20%Imax) 1767.63
(30%Imax) 2651.44
(40%Imax) 3535.25
(50%Imax) 4419.06
(60%Imax) 5302.88
(70%Imax) 6186.69
(80%Imax) 7070.5
(90%Imax) 7954.31

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

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 25.0

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

Operator: NT07
Distance(m): 7.65

Luminance Limitting Curve(no luminous side)

Luminance Table

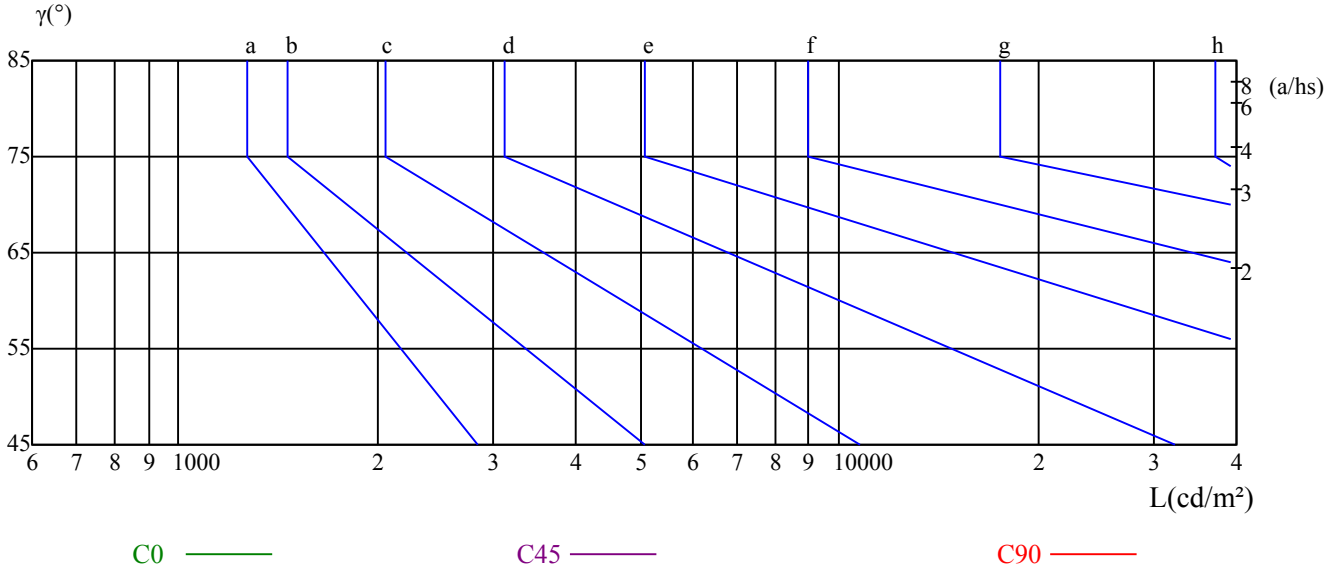
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

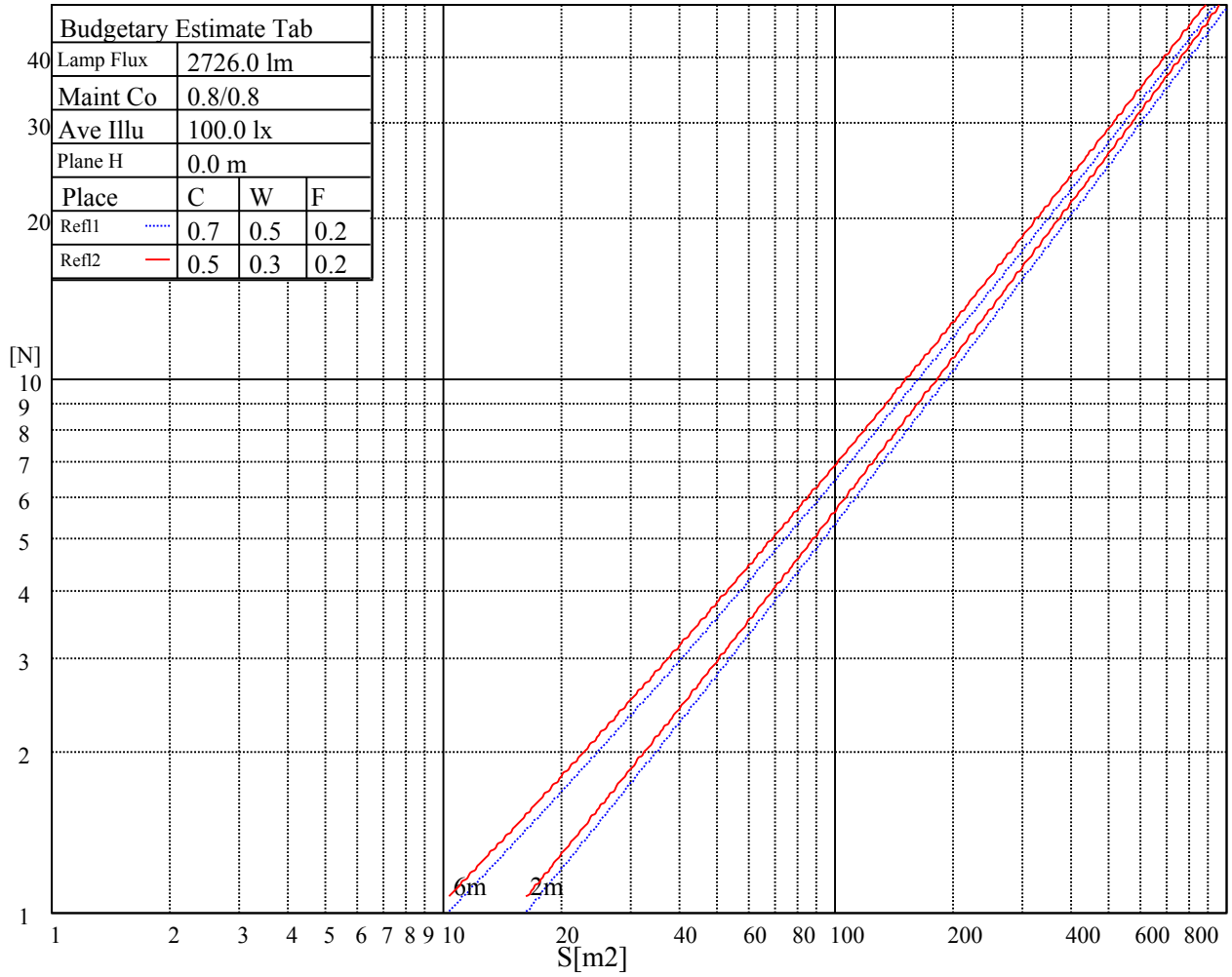
Luminance Limitting Curve



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

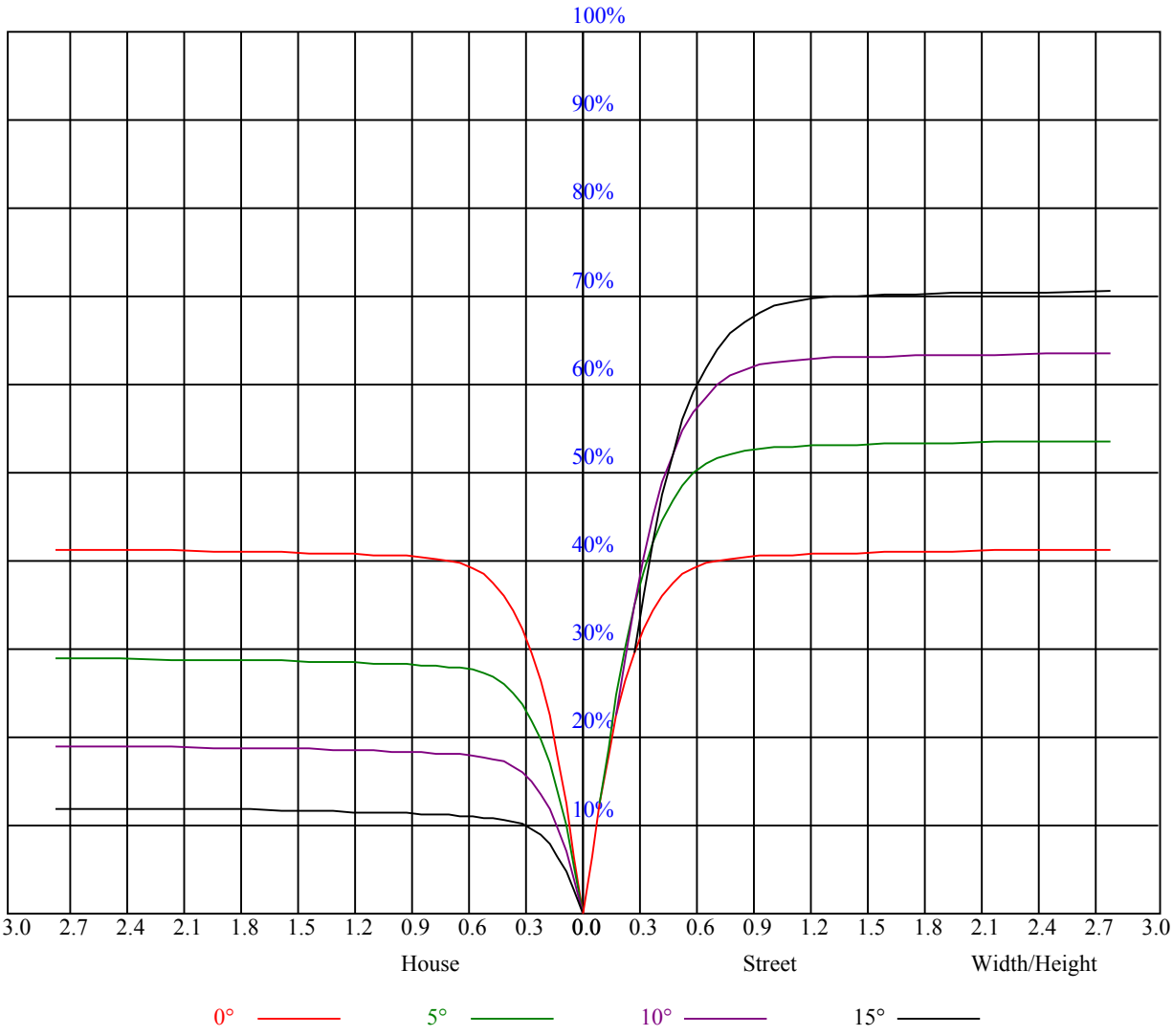


Equipment: GMS1980 Date: 2024/4/18 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

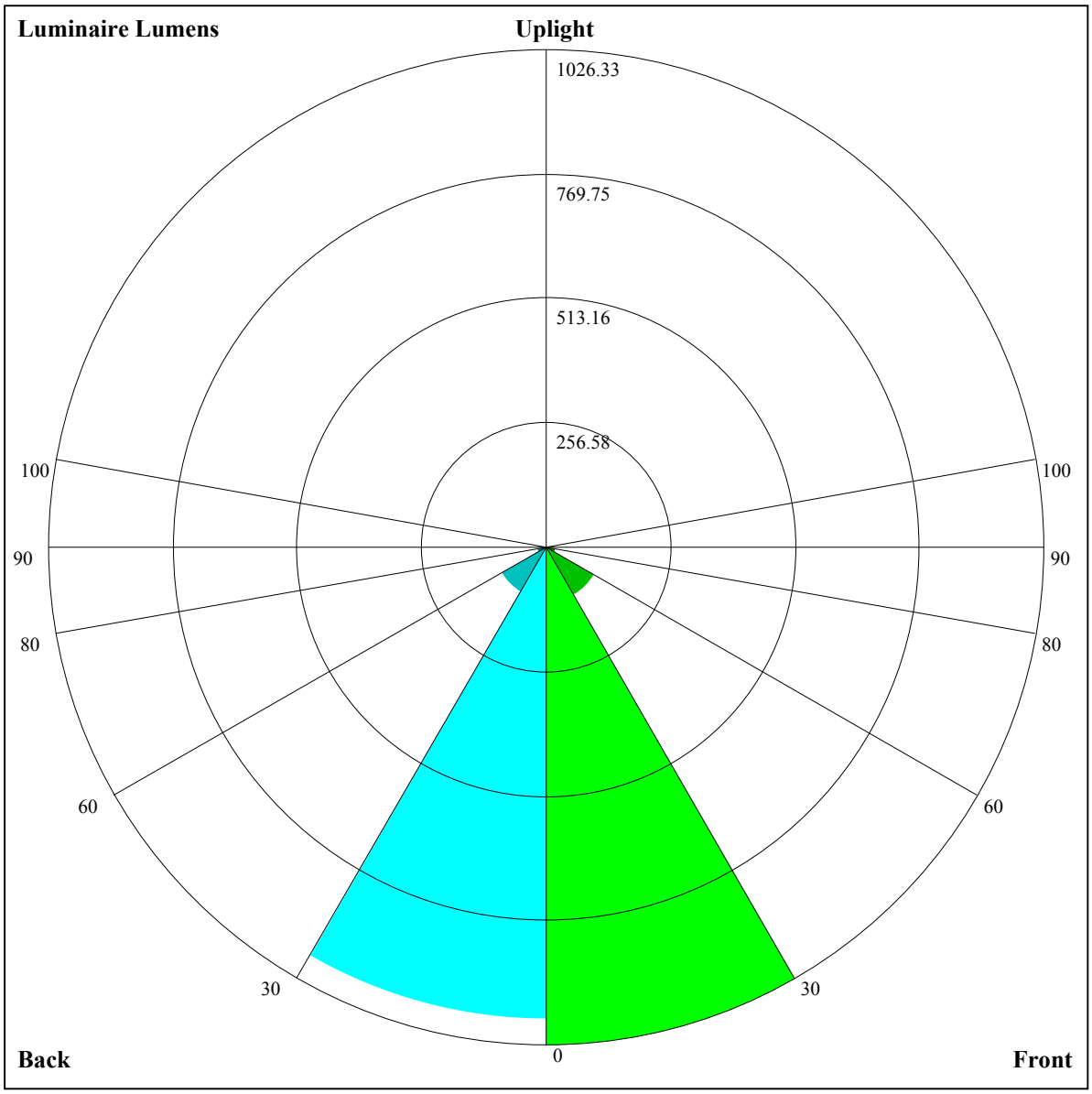
Utilization factor table for indoor luminaire

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	0.99	0.99	0.99	0.97	0.97	0.97	0.93	0.93	0.93	0.89	0.89	0.89	0.85	0.85	0.85	0.83
1	0.93	0.91	0.89	0.91	0.90	0.88	0.88	0.87	0.85	0.85	0.84	0.83	0.82	0.81	0.80	0.79
2	0.88	0.85	0.82	0.86	0.84	0.82	0.84	0.82	0.80	0.81	0.80	0.78	0.79	0.78	0.76	0.75
3	0.83	0.80	0.77	0.82	0.79	0.76	0.80	0.77	0.75	0.78	0.76	0.74	0.76	0.74	0.73	0.72
4	0.79	0.75	0.73	0.78	0.75	0.72	0.77	0.74	0.71	0.75	0.73	0.70	0.74	0.71	0.70	0.69
5	0.76	0.72	0.69	0.75	0.71	0.69	0.74	0.70	0.68	0.72	0.70	0.67	0.71	0.69	0.67	0.66
6	0.73	0.69	0.66	0.72	0.68	0.65	0.71	0.67	0.65	0.70	0.67	0.65	0.69	0.66	0.64	0.63
7	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	0.64	0.62	0.61
8	0.67	0.63	0.60	0.67	0.63	0.60	0.66	0.62	0.60	0.65	0.62	0.60	0.64	0.62	0.60	0.59
9	0.65	0.61	0.58	0.64	0.61	0.58	0.64	0.60	0.58	0.63	0.60	0.58	0.62	0.59	0.57	0.57
10	0.62	0.59	0.56	0.62	0.58	0.56	0.61	0.58	0.56	0.61	0.58	0.56	0.60	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=1026.33,FM=114.51,FH=19.4,FVH=6.2
BL=975.22,BM=105.65,BH=20.42,BVH=6.19
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	8892.55	8853.34	8701.77	8451.29	8042.22	7633.15	7201.25	6741.27	6159.55
45.0	8760.29	8860.95	8808.87	8630.96	8340.10	7877.77	7462.26	7035.05	6487.28
90.0	8832.86	8685.97	8441.34	8123.57	7605.06	7173.75	6610.76	6175.94	5703.08
135.0	8866.80	8819.40	8647.34	8382.82	7909.37	7478.65	7003.45	6426.41	5970.52
180.0	8892.55	8760.29	8566.00	8240.61	7734.98	7297.81	6830.80	6240.90	5781.50
225.0	8760.29	8570.68	8199.65	7802.86	7381.50	6800.96	6300.59	5828.31	5381.20
270.0	8832.86	8821.15	8690.06	8468.85	8052.75	7643.10	7207.69	6738.92	6133.80
315.0	8866.80	8783.70	8575.95	8278.65	7900.01	7368.63	6891.67	6434.02	5857.58
360.0	8892.55	8853.34	8701.77	8451.29	8042.22	7633.15	7201.25	6741.27	6159.55

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	5680.84	5092.10	4646.16	4230.65	3764.23	3418.94	3096.48	2808.55	2508.92
45.0	6039.58	5579.01	5123.70	4686.54	4170.37	3797.00	3439.43	3047.33	2768.76
90.0	5261.82	4690.05	4272.20	3898.83	3545.94	3148.57	2868.83	2620.11	2356.17
135.0	5416.32	4969.79	4543.75	4141.70	3674.69	3347.55	3042.06	2768.76	2483.75
180.0	5223.78	4778.42	4349.45	3951.50	3509.07	3186.61	2901.02	2649.37	2376.07
225.0	4831.09	4418.51	4017.63	3651.28	3243.38	2951.35	2632.99	2411.77	2217.48
270.0	5684.35	5223.78	4667.23	4243.52	3847.91	3419.53	3102.92	2818.50	2513.01
315.0	5391.74	4941.70	4405.05	4018.21	3549.45	3215.87	2914.48	2659.91	2380.75
360.0	5680.84	5092.10	4646.16	4230.65	3764.23	3418.94	3096.48	2808.55	2508.92

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2310.53	2122.67	1949.44	1755.15	1616.45	1488.29	1167.76	1167.76	1110.52
45.0	2538.76	2278.92	2094.58	1888.58	1729.98	1596.55	1470.73	1322.67	1208.55
90.0	2170.66	1995.09	1798.45	1653.90	1491.21	1166.76	1166.76	1137.44	998.69
135.0	2283.61	2102.19	1935.98	1750.47	1607.67	1452.00	1334.96	1221.42	1079.21
180.0	2179.44	1996.26	1833.57	1654.49	1518.13	1364.22	1246.59	1137.74	998.45
225.0	1991.58	1829.47	1680.82	1543.30	1305.11	1159.62	1159.62	1049.02	912.01
270.0	2298.82	2106.87	1895.02	1745.20	1599.48	1464.88	1319.74	1206.21	1095.60
315.0	2177.68	1999.19	1834.74	1683.75	1514.62	1397.58	1144.93	1144.93	1035.32
360.0	2310.53	2122.67	1949.44	1755.15	1616.45	1488.29	1167.76	1167.76	1110.52

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	970.95	859.93	754.53	629.59	541.86	460.92	385.72	303.67	248.95
45.0	1095.01	980.31	872.04	739.20	640.88	551.93	450.68	376.36	296.77
90.0	885.80	777.88	675.00	560.41	477.02	402.40	333.17	260.72	212.38
135.0	965.09	855.66	746.81	623.32	534.95	453.02	360.56	296.18	296.18
180.0	887.84	783.67	679.50	560.12	474.68	396.84	327.78	296.18	296.18
225.0	808.96	703.32	608.28	499.67	419.08	329.31	268.44	216.83	164.68
270.0	984.41	849.81	742.71	641.47	530.27	448.93	355.88	306.72	306.72
315.0	900.95	790.58	684.65	565.44	481.35	402.69	332.52	258.96	211.15
360.0	970.95	859.93	754.53	629.59	541.86	460.92	385.72	303.67	248.95

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	203.19	165.85	128.57	104.99	86.38	71.05	56.83	48.75	41.90
45.0	296.77	231.57	149.00	121.02	98.84	81.05	64.26	54.43	47.05
90.0	172.76	133.78	109.26	85.27	70.99	59.69	51.03	43.42	39.21
135.0	230.34	146.89	118.68	96.21	75.49	63.56	55.01	46.82	41.96
180.0	163.86	132.26	101.19	82.75	65.90	56.36	49.28	42.78	38.80
225.0	131.79	105.05	84.27	65.78	55.54	48.34	43.19	38.27	35.23
270.0	188.56	143.38	115.29	93.40	76.49	61.27	52.85	46.35	41.32
315.0	171.41	139.17	108.56	89.48	74.32	60.22	51.79	45.30	39.62
360.0	203.19	165.85	128.57	104.99	86.38	71.05	56.83	48.75	41.90

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	37.81	34.59	31.43	29.32	27.56	25.87	24.70	23.88	23.17
45.0	41.79	36.99	34.00	31.54	29.44	27.27	25.93	24.58	23.76
90.0	35.76	33.01	30.14	28.38	26.86	25.63	24.52	23.82	23.23
135.0	38.27	34.53	32.19	30.14	28.44	26.74	25.63	24.81	24.23
180.0	35.64	33.01	30.37	28.62	27.10	25.81	24.52	23.76	23.23
225.0	32.66	29.96	28.21	26.63	25.11	24.05	23.06	22.47	22.06
270.0	36.75	33.88	31.49	29.03	27.27	25.57	24.46	23.53	22.82
315.0	36.23	33.42	30.67	28.79	27.15	25.87	24.52	23.70	23.17
360.0	37.81	34.59	31.43	29.32	27.56	25.87	24.70	23.88	23.17

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	22.71	22.24	21.89	21.77	21.65	21.59	21.65	21.71	21.48
45.0	23.17	22.65	22.24	22.06	21.89	21.83	21.83	21.89	21.89
90.0	22.82	22.59	22.41	22.24	22.30	22.36	22.41	22.36	21.77
135.0	23.70	23.35	23.00	23.00	22.82	22.94	22.88	22.88	22.65
180.0	22.59	22.24	22.06	21.95	21.89	22.06	22.12	22.00	21.65
225.0	21.71	21.42	21.30	21.24	21.30	21.48	21.54	21.19	20.72
270.0	22.12	21.83	21.54	21.42	21.30	21.36	21.54	21.59	21.48
315.0	22.65	22.24	22.00	21.89	21.77	21.83	21.89	21.95	21.54
360.0	22.71	22.24	21.89	21.77	21.65	21.59	21.65	21.71	21.48

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	20.83	20.25	19.43	18.55	17.67	17.44	17.73	18.43	19.37
45.0	21.48	20.95	20.31	19.20	18.38	17.38	16.62	16.04	15.51
90.0	21.30	20.37	19.49	19.08	18.84	19.14	19.78	21.01	22.12
135.0	21.83	21.30	20.42	19.78	19.08	18.79	19.25	20.25	21.48
180.0	20.89	20.19	19.61	19.66	20.01	20.66	21.54	22.59	23.99
225.0	19.90	18.96	18.02	17.21	16.39	15.74	15.33	14.98	14.75
270.0	21.07	20.48	19.66	18.55	17.85	17.03	16.33	16.04	16.44
315.0	20.95	20.31	19.43	18.61	17.73	17.03	16.44	16.33	16.97
360.0	20.83	20.25	19.43	18.55	17.67	17.44	17.73	18.43	19.37

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	19.96	20.13	20.01	19.61	19.14	18.32	17.62	16.97	15.16
45.0	15.16	14.81	14.57	14.28	14.05	13.75	13.52	13.17	12.93
90.0	23.58	24.93	25.87	25.98	24.35	22.53	19.66	17.09	14.34
135.0	22.94	24.87	26.34	27.15	26.92	25.57	23.06	19.55	16.85
180.0	24.64	25.05	24.99	24.46	23.58	22.71	21.36	18.67	14.81
225.0	14.46	14.22	13.99	13.75	13.40	13.17	12.87	12.52	12.35
270.0	17.15	17.85	18.79	19.78	19.66	18.67	18.02	17.26	15.27
315.0	17.97	19.25	20.60	20.78	20.13	19.20	18.38	17.21	14.57
360.0	19.96	20.13	20.01	19.61	19.14	18.32	17.62	16.97	15.16

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	12.93	11.70	11.41	11.18	10.94	10.71	10.36	10.12	9.95
45.0	12.70	12.35	12.17	12.00	11.94	11.65	10.53	10.18	10.01
90.0	12.76	12.47	12.35	12.35	11.06	10.53	10.12	9.95	9.71
135.0	14.28	12.76	12.23	12.00	12.00	10.65	10.30	9.95	9.71
180.0	12.41	11.70	11.41	11.12	10.71	10.30	10.07	9.95	9.71
225.0	12.11	12.00	11.82	11.70	10.36	10.12	9.89	9.71	9.71
270.0	13.52	12.11	11.76	11.70	11.59	10.59	10.24	10.01	9.89
315.0	12.70	11.70	11.35	11.06	10.94	10.48	10.12	9.95	9.77
360.0	12.93	11.70	11.41	11.18	10.94	10.71	10.36	10.12	9.95

Intensity data(cd)

C/γ(°)	90.0
0.0	9.77
45.0	9.77
90.0	9.71
135.0	9.71
180.0	9.71
225.0	9.71
270.0	9.71
315.0	9.71
360.0	9.77