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NT

Client:
LumCAT: 2-2678-L
Luminaire: 92.70.411.00
Report No: 2024418-B002
Ballast type: AC

Test No: 2024418-C002	Voltage(V): 33.600
LampCAT: NICHIA NFCWJ120B-V3	Current(A): 0.576
Lamp flux(lm): 2726.0	Power (W): 19.353
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 2304.56, Efficiency(%): 84.54% , Luminous Efficacy(lm/W): 119.08
Central intensity(cd): 9502.943, Maximum intensity(cd): 9502.943
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=21.2
[C90/270]Total=21.2
Field angle(10%Imax): [C0/180]Total=54.6
[C90/270]Total=54.6
Maximum s/h(1/2): C0_180=0.36 C90_270=0.36
Maximum s/h(1/4): C0_180=0.39 C90_270=0.39
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 84.54%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 97.691%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	9502.942	0.000	0	0.00%	0.00%
1.0	9459.343	9.073	9.073	0.33%	0.39%
2.0	9322.693	26.958	36.031	0.99%	1.56%
3.0	9096.576	44.053	80.084	1.62%	3.48%
4.0	8759.706	59.771	139.854	2.19%	6.07%
5.0	8297.159	73.378	213.232	2.69%	9.25%
6.0	7749.169	84.328	297.56	3.09%	12.91%
7.0	7103.081	92.188	389.748	3.38%	16.91%
8.0	6435.851	96.896	486.643	3.55%	21.12%
9.0	5758.526	98.829	585.472	3.63%	25.40%
10.0	5097.588	98.244	683.716	3.60%	29.67%
11.0	4469.276	95.593	779.308	3.51%	33.82%
12.0	3917.847	91.683	870.992	3.36%	37.79%
13.0	3452.081	87.462	958.454	3.21%	41.59%
14.0	3063.638	83.401	1041.855	3.06%	45.21%
15.0	2739.277	79.665	1121.52	2.92%	48.67%
16.0	2454.492	76.103	1197.623	2.79%	51.97%
17.0	2211.916	72.669	1270.292	2.67%	55.12%
18.0	2006.429	69.551	1339.843	2.55%	58.14%
19.0	1829.179	66.732	1406.575	2.45%	61.03%
20.0	1675.923	64.153	1470.728	2.35%	63.82%
21.0	1537.371	61.702	1532.43	2.26%	66.50%
22.0	1405.769	59.144	1591.573	2.17%	69.06%
23.0	1263.003	55.998	1647.571	2.05%	71.49%
24.0	1207.436	54.013	1701.584	1.98%	73.84%
25.0	1143.903	53.464	1755.048	1.96%	76.16%
26.0	1066.660	52.181	1807.229	1.91%	78.42%
27.0	980.215	50.077	1857.306	1.84%	80.59%
28.0	890.032	47.351	1904.657	1.74%	82.65%
29.0	794.377	44.069	1948.726	1.62%	84.56%
30.0	698.956	40.320	1989.045	1.48%	86.31%
31.0	606.242	36.322	2025.367	1.33%	87.89%
32.0	515.649	32.141	2057.508	1.18%	89.28%
33.0	428.326	27.810	2085.318	1.02%	90.49%
34.0	350.352	23.565	2108.883	0.86%	91.51%
35.0	272.868	19.355	2128.238	0.71%	92.35%
36.0	237.462	16.249	2144.487	0.60%	93.05%
37.0	187.096	13.847	2158.334	0.51%	93.65%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	112.970	10.016	2168.349	0.37%	94.09%
39.0	87.725	6.850	2175.2	0.25%	94.39%
40.0	75.136	5.680	2180.88	0.21%	94.63%
41.0	68.552	5.117	2185.996	0.19%	94.86%
42.0	63.321	4.791	2190.788	0.18%	95.06%
43.0	58.983	4.531	2195.318	0.17%	95.26%
44.0	55.282	4.313	2199.631	0.16%	95.45%
45.0	51.675	4.110	2203.741	0.15%	95.63%
46.0	48.354	3.912	2207.653	0.14%	95.79%
47.0	45.472	3.732	2211.385	0.14%	95.96%
48.0	42.882	3.572	2214.957	0.13%	96.11%
49.0	40.637	3.430	2218.386	0.13%	96.26%
50.0	38.610	3.304	2221.691	0.12%	96.40%
51.0	36.950	3.197	2224.887	0.12%	96.54%
52.0	35.589	3.113	2228	0.11%	96.68%
53.0	34.426	3.046	2231.046	0.11%	96.81%
54.0	33.548	2.996	2234.042	0.11%	96.94%
55.0	32.743	2.959	2237.001	0.11%	97.07%
56.0	32.078	2.929	2239.93	0.11%	97.20%
57.0	31.441	2.904	2242.834	0.11%	97.32%
58.0	30.790	2.878	2245.712	0.11%	97.45%
59.0	30.000	2.842	2248.554	0.10%	97.57%
60.0	29.056	2.790	2251.344	0.10%	97.69%
61.0	27.996	2.723	2254.067	0.10%	97.81%
62.0	26.686	2.635	2256.701	0.10%	97.92%
63.0	25.260	2.526	2259.228	0.09%	98.03%
64.0	23.665	2.401	2261.629	0.09%	98.14%
65.0	22.143	2.267	2263.896	0.08%	98.24%
66.0	20.607	2.133	2266.029	0.08%	98.33%
67.0	19.393	2.011	2268.04	0.07%	98.42%
68.0	18.464	1.918	2269.958	0.07%	98.50%
69.0	17.915	1.856	2271.814	0.07%	98.58%
70.0	17.593	1.824	2273.637	0.07%	98.66%
71.0	17.520	1.815	2275.452	0.07%	98.74%
72.0	17.645	1.828	2277.28	0.07%	98.82%
73.0	17.871	1.857	2279.138	0.07%	98.90%
74.0	18.193	1.896	2281.034	0.07%	98.98%
75.0	18.274	1.927	2282.96	0.07%	99.06%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	18.040	1.928	2284.888	0.07%	99.15%
77.0	17.498	1.895	2286.783	0.07%	99.23%
78.0	16.781	1.835	2288.618	0.07%	99.31%
79.0	15.721	1.746	2290.364	0.06%	99.38%
80.0	14.506	1.630	2291.994	0.06%	99.45%
81.0	13.241	1.501	2293.494	0.06%	99.52%
82.0	12.465	1.394	2294.888	0.05%	99.58%
83.0	12.070	1.334	2296.222	0.05%	99.64%
84.0	11.792	1.300	2297.522	0.05%	99.69%
85.0	11.405	1.266	2298.788	0.05%	99.75%
86.0	10.973	1.223	2300.011	0.04%	99.80%
87.0	10.505	1.175	2301.187	0.04%	99.85%
88.0	10.337	1.142	2302.328	0.04%	99.90%
89.0	10.176	1.124	2303.453	0.04%	99.95%
90.0	10.110	1.112	2304.565	0.04%	100.00%

Zonal flux distribution table

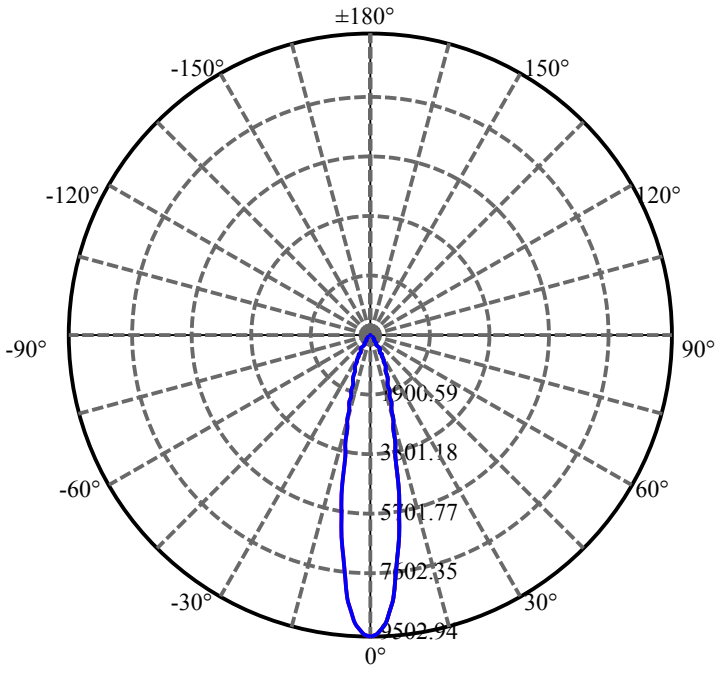
ZONAL LUMEN SUMMARY

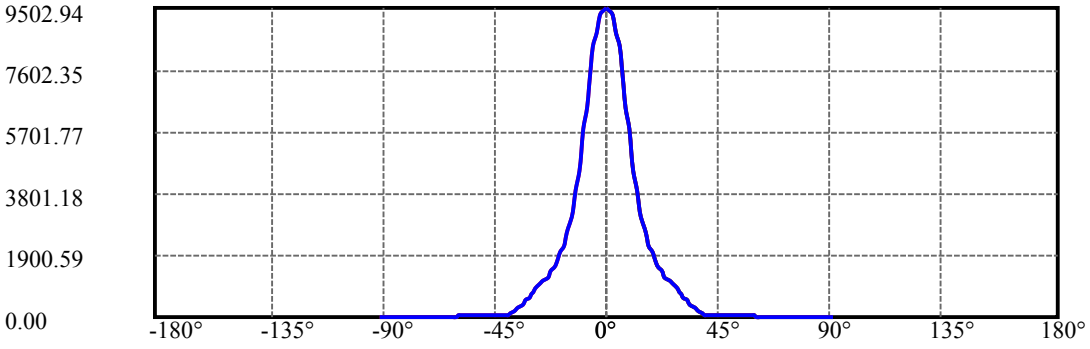
Zone	Lumens	%Lamp	%Fixt
0-30	1989.05	72.97%	86.31%
0-40	2180.88	80.00%	94.63%
0-60	2251.34	82.59%	97.69%
0-90	2303.45	84.50%	99.95%
0-120	2303.45	84.50%	99.95%
0-180	2304.56	84.54%	100.00%
60-90	52.11	1.91%	2.26%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-26.73	1843.65	67.63%	80.00%

ZONAL LUMEN SUMMARY

0-10	683.72
10-20	787.01
20-30	518.32
30-40	191.83
40-50	40.81
50-60	29.65
60-70	22.29
70-80	18.36
80-90	11.46
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):

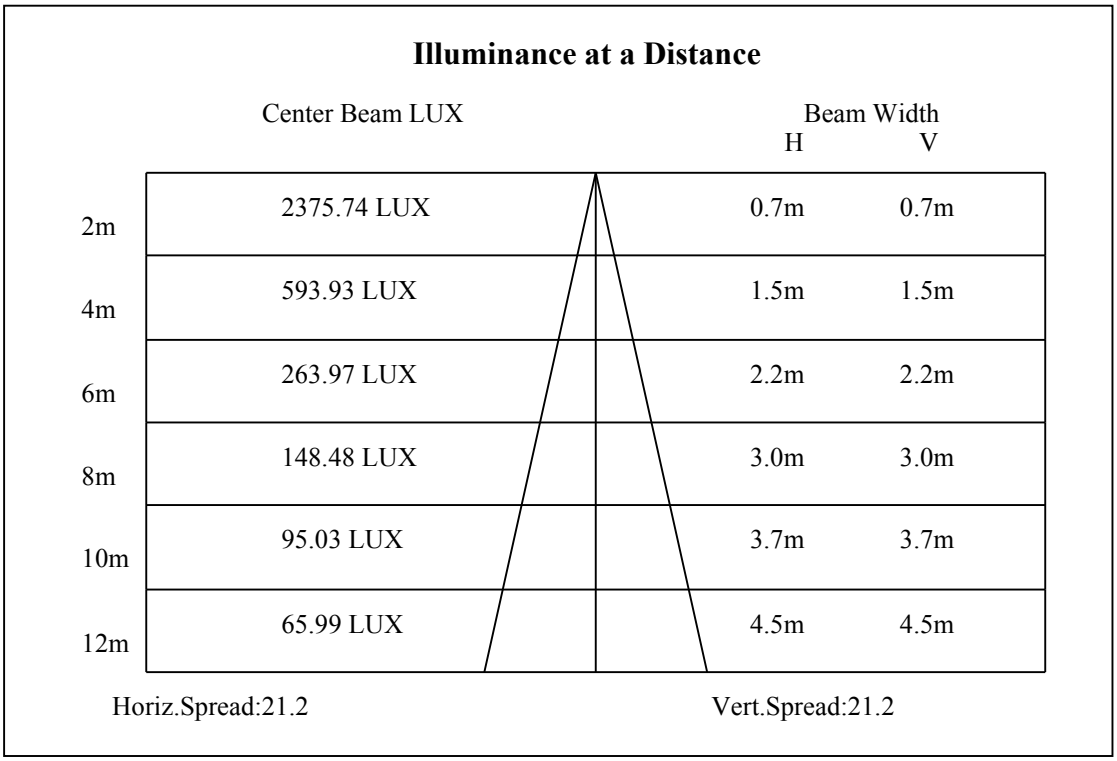
C0/C180:

C90/C270:

Field angle(10%Imax):C0/180Left:27.3 Right:27.3
:C90/270Left:27.3 Right:27.3

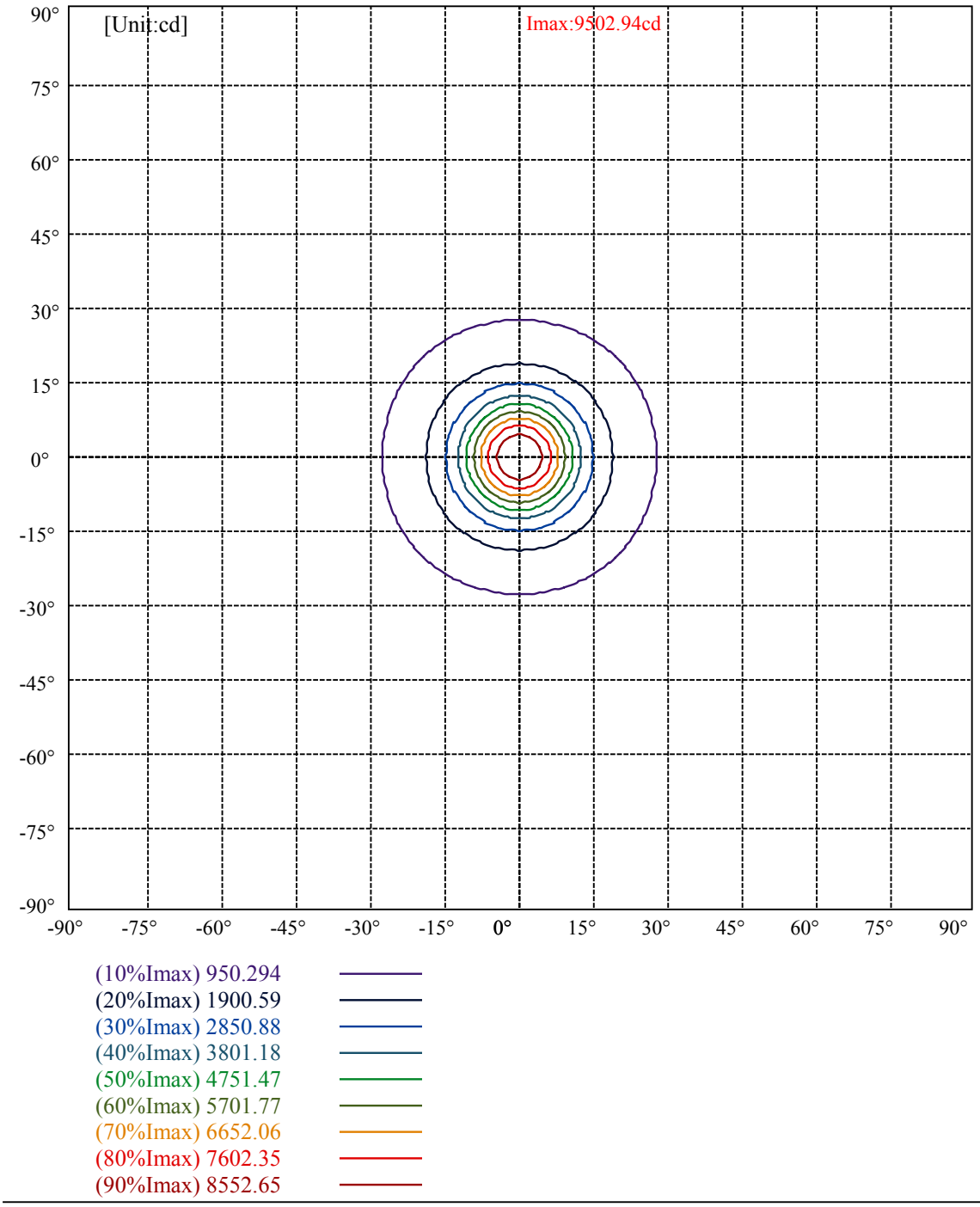
Beam Angle(50%Imax):C0/180Left:10.6 Right:10.6
:C90/270Left:10.6 Right:10.6

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)

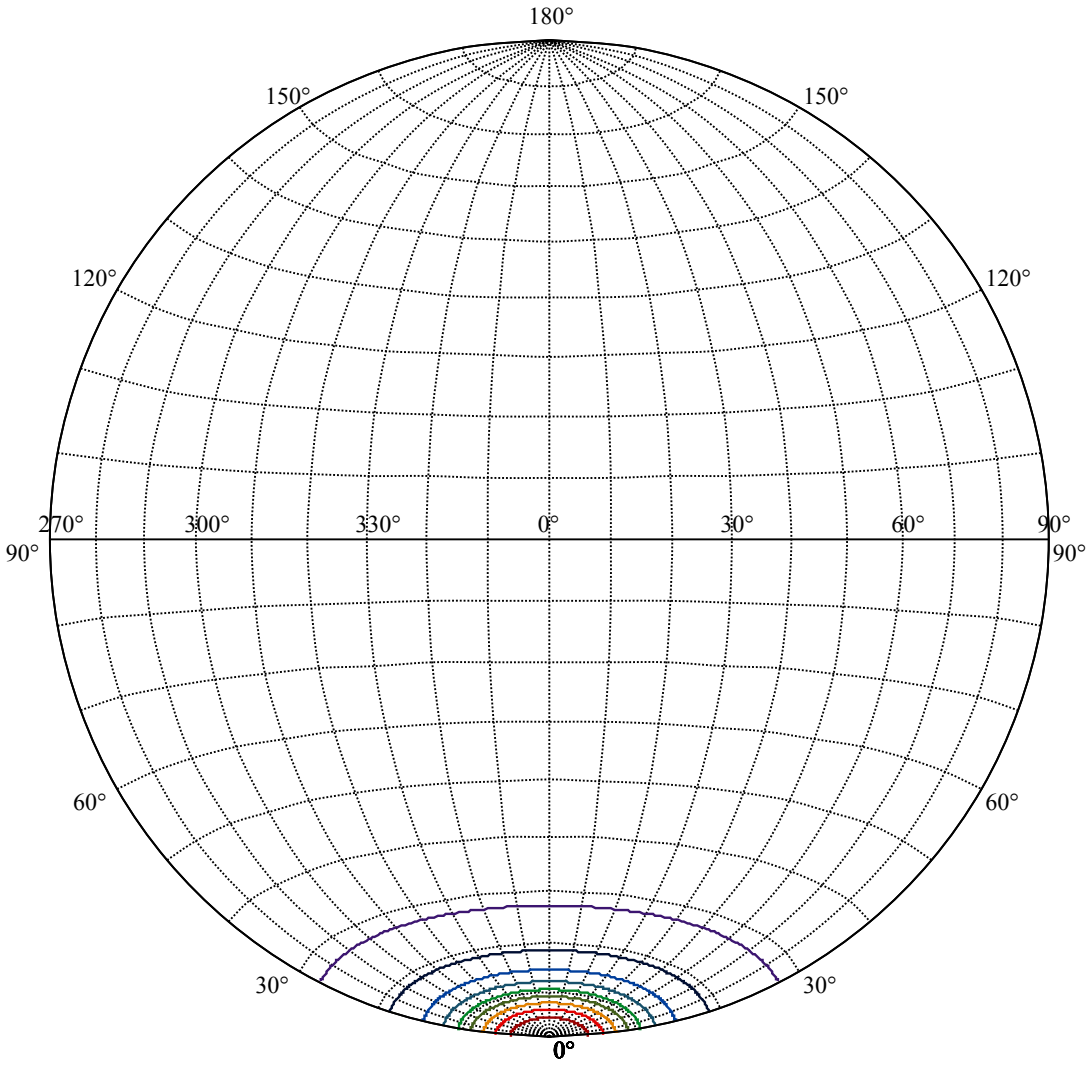


Equipment: GMS1980
Temperature(°C): 25.0

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

Operator: NT07
Distance(m): 7.65

ISO candela diagram on circular web



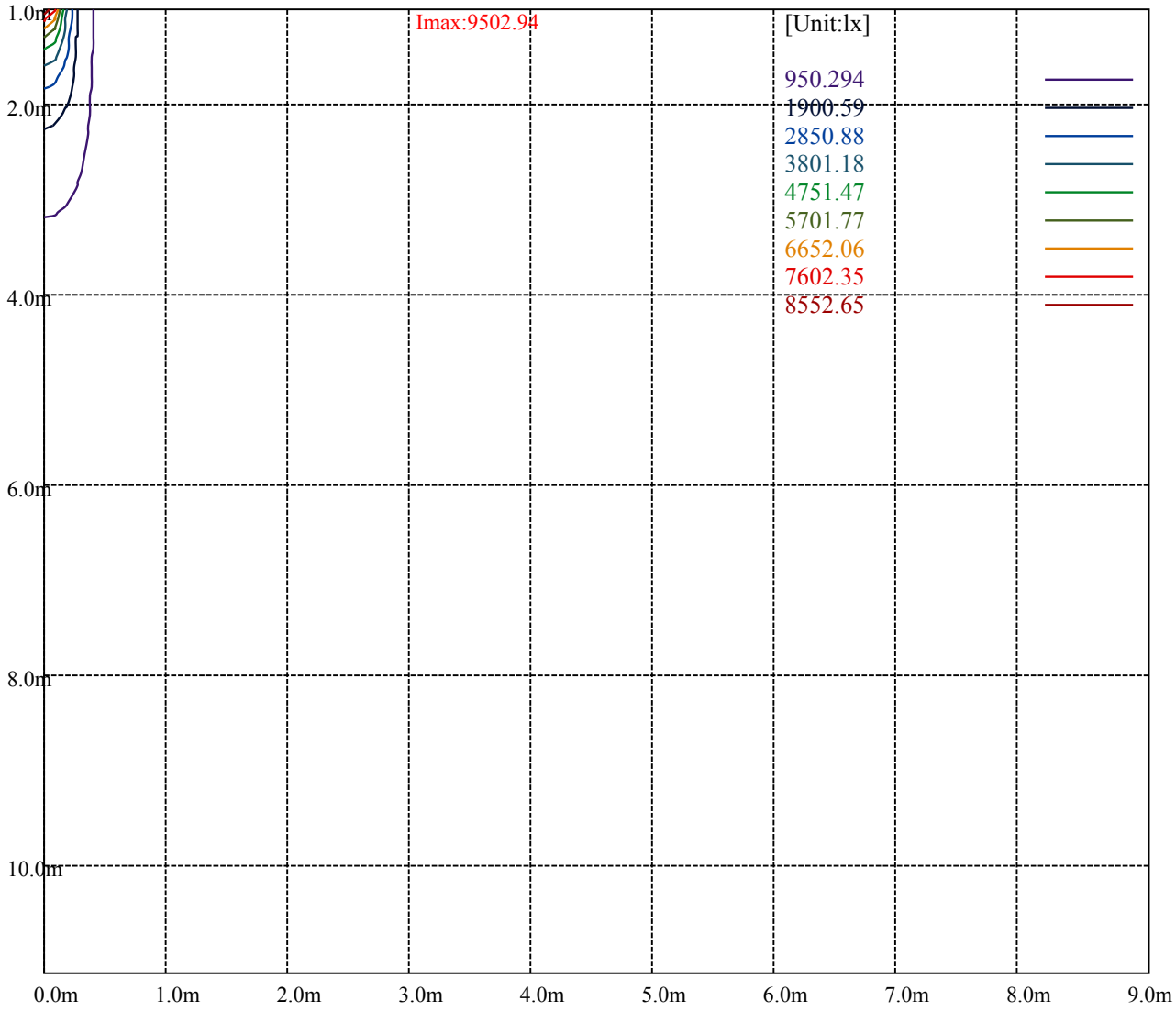
House [Unit:cd] Road

Imax:9502.94

(10%Imax) 950.294
(20%Imax) 1900.59
(30%Imax) 2850.88
(40%Imax) 3801.18
(50%Imax) 4751.47
(60%Imax) 5701.77
(70%Imax) 6652.06
(80%Imax) 7602.35
(90%Imax) 8552.65

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

NT 2-2678-L

Luminance Limitting Curve(no luminous side)

Luminance Table

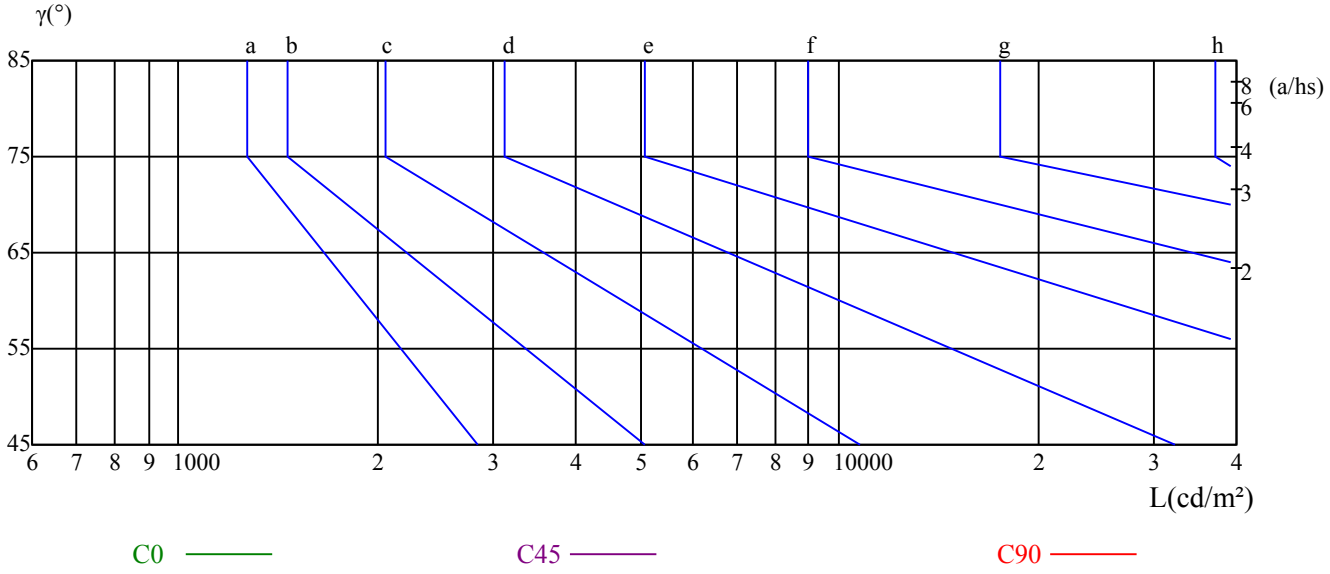
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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



Equipment: GMS1980
Temperature(°C): 25.0

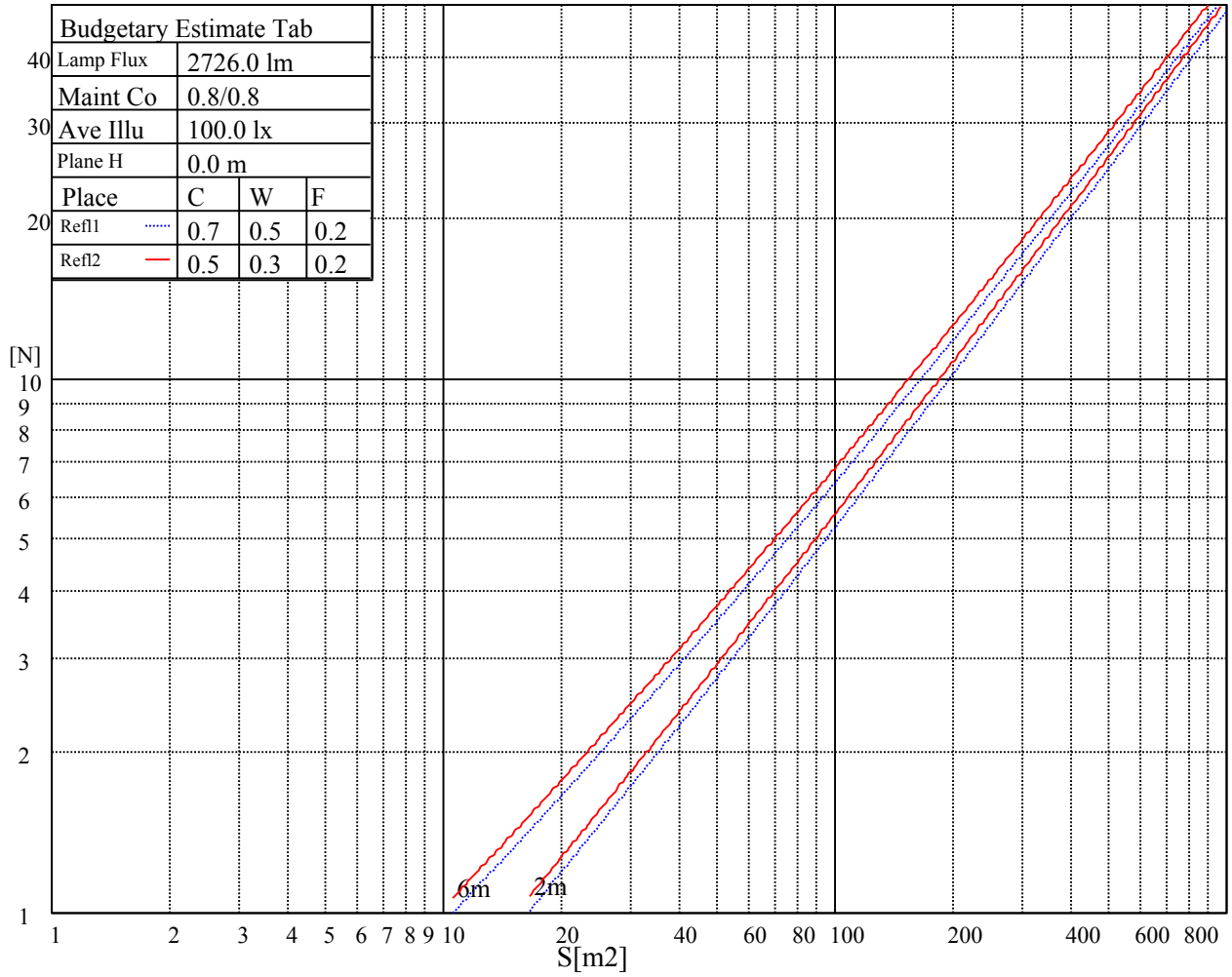
Date: 2024/4/18
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

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

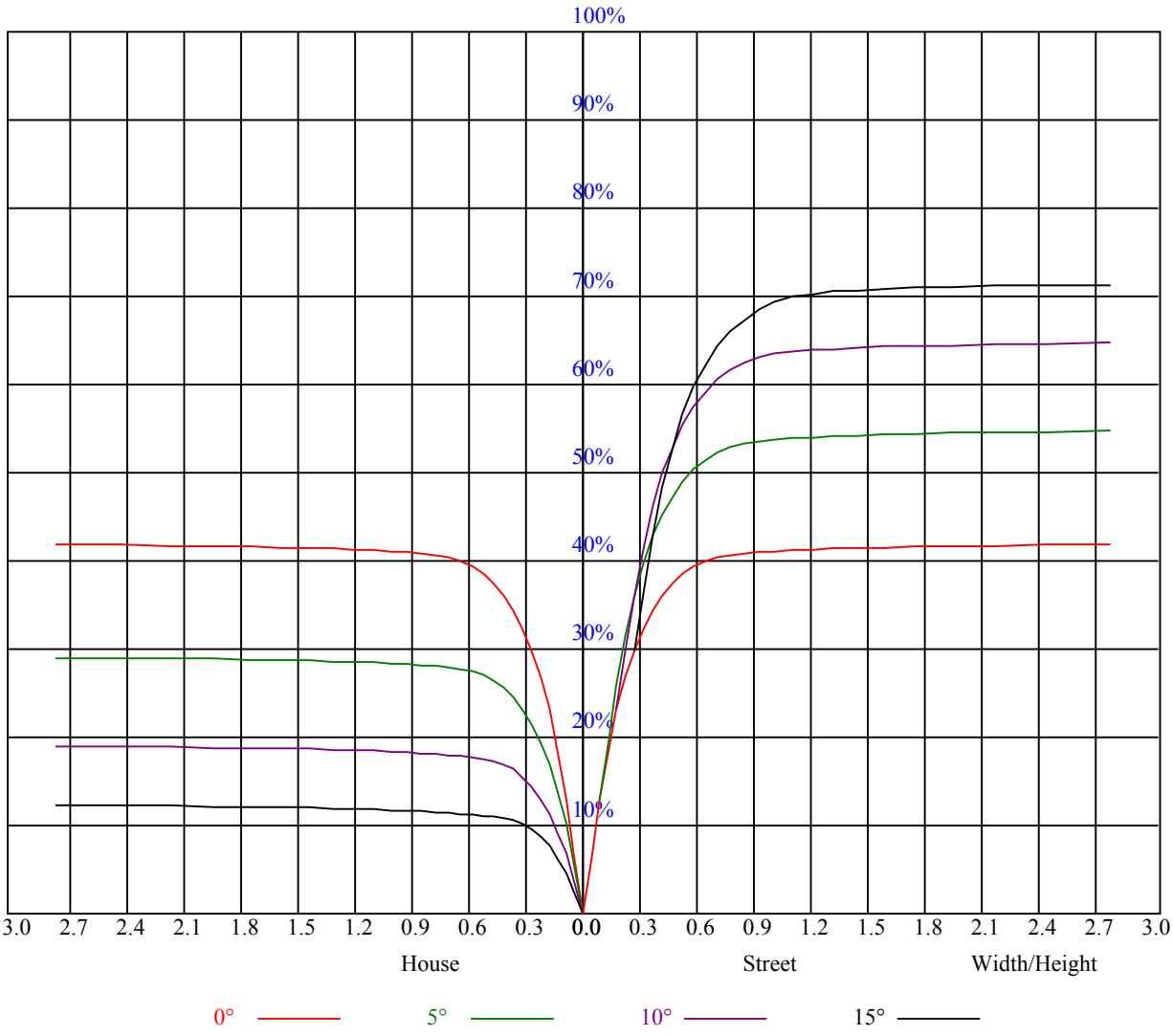


Equipment: GMS1980 Date: 2024/4/18 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

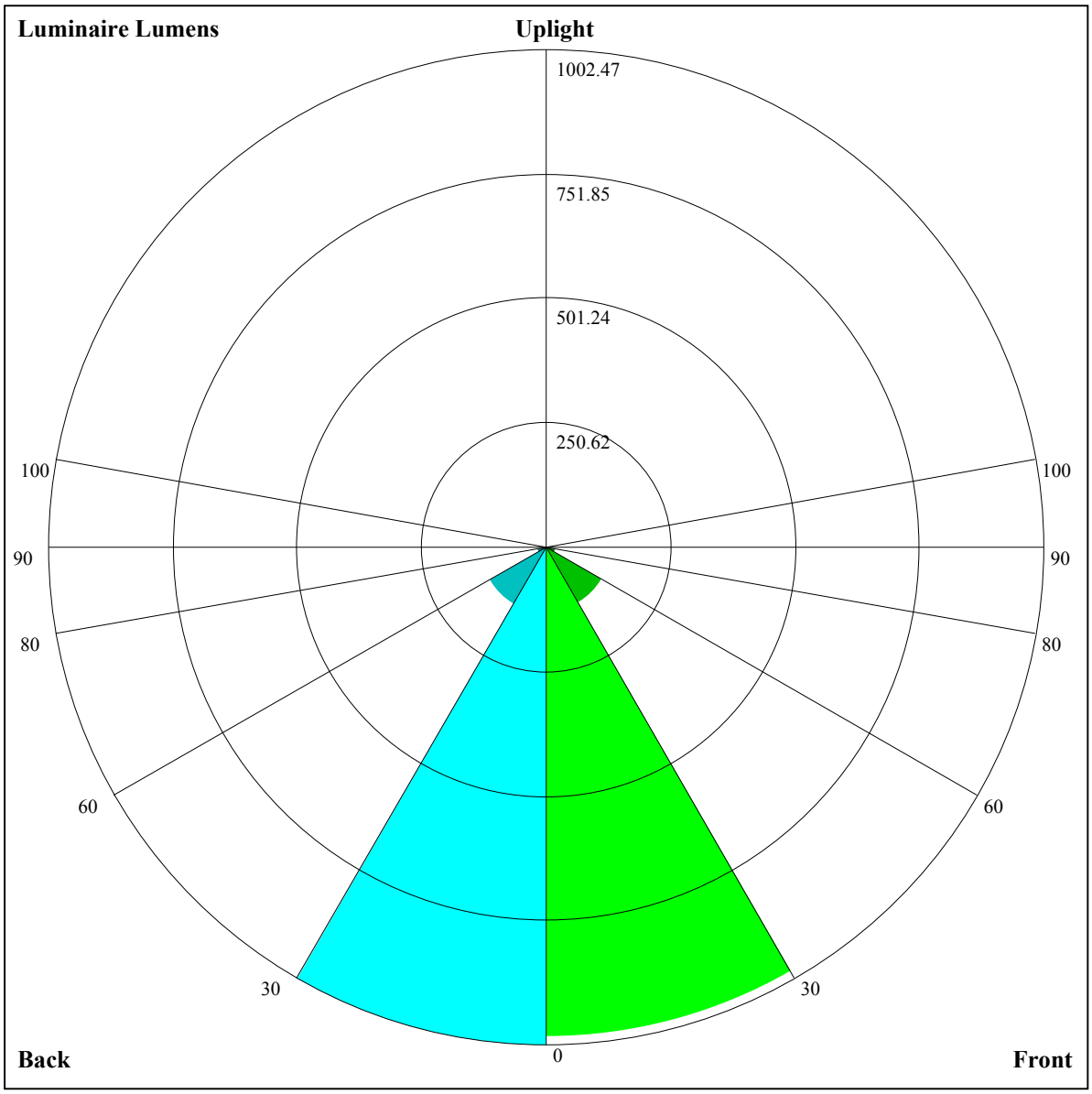
Utilization factor table for indoor luminaire

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	1.01	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	0.91	0.93	0.91	0.89	0.89	0.88	0.87	0.86	0.85	0.84	0.83	0.82	0.82	0.80
2	0.89	0.86	0.84	0.88	0.85	0.83	0.85	0.83	0.81	0.82	0.81	0.79	0.80	0.79	0.77	0.76
3	0.84	0.81	0.78	0.83	0.80	0.77	0.81	0.78	0.76	0.79	0.77	0.75	0.77	0.75	0.74	0.73
4	0.80	0.76	0.73	0.79	0.76	0.73	0.78	0.75	0.72	0.76	0.73	0.71	0.75	0.72	0.71	0.69
5	0.77	0.73	0.70	0.76	0.72	0.69	0.75	0.71	0.69	0.73	0.70	0.68	0.72	0.70	0.68	0.67
6	0.74	0.69	0.66	0.73	0.69	0.66	0.72	0.68	0.66	0.71	0.68	0.65	0.70	0.67	0.65	0.64
7	0.71	0.66	0.64	0.70	0.66	0.63	0.69	0.66	0.63	0.68	0.65	0.63	0.67	0.65	0.63	0.62
8	0.68	0.64	0.61	0.67	0.64	0.61	0.67	0.63	0.61	0.66	0.63	0.60	0.65	0.62	0.60	0.59
9	0.65	0.62	0.59	0.65	0.61	0.59	0.64	0.61	0.59	0.64	0.61	0.58	0.63	0.60	0.58	0.57
10	0.63	0.59	0.57	0.63	0.59	0.57	0.62	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=985.75,FM=130.03,FH=20.66,FVH=6.34
BL=1002.47,BM=132.82,BH=20.14,BVH=6.28
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	9512.31	9434.47	9213.26	8941.71	8570.09	7971.41	7421.88	6813.83	6197.01
45.0	9505.28	9511.14	9456.12	9264.17	9009.01	8643.25	8192.04	7497.38	6878.79
90.0	9523.42	9448.52	9291.68	9046.47	8712.89	8117.13	7560.00	6946.09	6133.22
135.0	9470.75	9512.89	9473.68	9320.94	9079.82	8758.54	8192.04	7643.10	6880.55
180.0	9512.31	9527.52	9423.94	9249.54	8984.43	8527.37	8027.00	7458.17	6832.56
225.0	9505.28	9375.36	9191.02	8921.81	8433.15	7936.88	7369.21	6577.40	5928.39
270.0	9523.42	9501.77	9415.74	9220.28	8877.92	8504.55	8022.91	7301.33	6689.77
315.0	9470.75	9363.07	9116.11	8807.69	8410.33	7918.15	7208.27	6587.35	5946.53
360.0	9512.31	9434.47	9213.26	8941.71	8570.09	7971.41	7421.88	6813.83	6197.01

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	5405.20	4797.73	4250.55	3773.00	3270.88	2936.72	2583.83	2348.57	2143.74
45.0	6248.51	5623.49	4848.06	4293.27	3820.41	3300.73	2956.62	2659.32	2352.66
90.0	5492.40	4869.13	4177.39	3701.02	3208.26	2875.27	2594.36	2351.49	2091.07
135.0	6221.00	5581.35	4964.52	4265.18	3791.73	3369.20	3008.70	2632.99	2386.61
180.0	6031.97	5384.71	4766.13	4207.24	3618.50	3223.48	2886.97	2538.76	2302.33
225.0	5291.66	4684.78	4029.33	3585.15	3200.07	2795.09	2525.89	2299.41	2041.32
270.0	6070.01	5271.77	4670.15	4005.92	3562.32	3177.83	2853.62	2518.87	2294.73
315.0	5307.46	4567.74	4048.06	3511.99	3144.47	2830.79	2504.24	2286.53	2082.87
360.0	5405.20	4797.73	4250.55	3773.00	3270.88	2936.72	2583.83	2348.57	2143.74

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1920.77	1766.85	1628.74	1478.92	1377.09	1159.45	1159.45	1122.46	1042.93
45.0	2140.23	1961.73	1763.34	1617.04	1492.38	1384.12	1270.00	1194.50	1124.28
90.0	1913.16	1759.24	1617.04	1492.97	1357.20	1167.47	1167.47	1100.57	1031.99
135.0	2169.49	1942.42	1783.82	1642.20	1484.19	1374.17	1258.29	1181.63	1111.99
180.0	2045.42	1867.51	1728.23	1585.43	1430.93	1337.30	1243.08	1173.43	1090.33
225.0	1866.34	1713.60	1544.47	1429.18	1270.00	1163.43	1146.10	1076.87	1001.61
270.0	2088.14	1904.38	1759.24	1586.02	1463.12	1368.90	1265.90	1190.41	1103.21
315.0	1907.89	1717.69	1582.51	1467.22	1371.24	1149.21	1149.21	1111.34	1026.95
360.0	1920.77	1766.85	1628.74	1478.92	1377.09	1159.45	1159.45	1122.46	1042.93

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	958.07	866.84	756.17	664.82	576.91	473.10	394.03	318.13	233.68
45.0	1051.71	949.29	864.44	777.24	669.56	586.45	482.87	405.62	331.30
90.0	932.09	848.63	764.54	655.51	571.12	488.72	411.06	335.92	248.19
135.0	1040.59	941.69	856.83	769.63	683.60	578.85	498.67	420.84	327.78
180.0	1018.94	937.59	854.49	742.71	653.17	567.73	466.48	388.65	300.28
225.0	902.36	817.09	728.66	639.24	535.48	456.07	380.63	291.79	228.59
270.0	1020.69	932.32	822.30	726.32	630.35	548.41	443.07	362.31	309.06
315.0	917.28	826.81	707.60	616.18	529.75	425.87	349.79	279.56	204.07
360.0	958.07	866.84	756.17	664.82	576.91	473.10	394.03	318.13	233.68

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	177.09	131.79	95.92	84.62	77.89	71.92	66.36	62.33	58.70
45.0	295.60	295.60	134.66	98.55	76.02	69.52	63.79	59.11	55.30
90.0	188.50	139.05	99.96	72.22	64.55	57.88	53.90	49.74	46.82
135.0	311.40	311.40	133.37	95.92	74.67	65.19	59.63	55.65	52.32
180.0	300.28	221.74	129.28	88.25	72.45	65.78	59.11	55.30	51.85
225.0	163.22	122.08	93.69	80.12	71.75	66.13	61.80	58.00	53.43
270.0	309.06	157.84	120.26	96.56	85.03	78.42	72.86	67.53	63.32
315.0	154.56	117.28	96.62	85.56	78.71	73.56	69.12	64.20	60.51
360.0	177.09	131.79	95.92	84.62	77.89	71.92	66.36	62.33	58.70

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	55.25	51.21	48.28	45.71	43.13	41.26	39.33	38.16	36.99
45.0	50.97	47.99	44.54	42.08	39.91	37.57	35.93	34.70	33.30
90.0	44.13	41.55	38.92	37.04	35.41	34.00	32.60	31.60	30.90
135.0	48.57	45.76	43.19	40.79	38.27	36.46	35.00	33.71	32.42
180.0	48.69	45.00	42.37	40.03	37.86	35.70	34.29	32.77	31.72
225.0	50.10	47.05	44.30	41.32	39.27	37.51	35.70	34.59	33.42
270.0	58.52	54.95	51.73	48.87	46.29	43.37	41.49	39.80	38.39
315.0	57.18	53.31	50.45	47.23	44.95	43.01	41.26	39.39	38.27
360.0	55.25	51.21	48.28	45.71	43.13	41.26	39.33	38.16	36.99

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	36.17	35.23	34.41	33.88	33.07	31.95	30.84	29.61	28.15
45.0	32.48	31.72	31.08	30.49	29.90	29.38	28.68	27.68	26.57
90.0	30.14	29.61	29.09	28.56	28.15	27.45	26.63	25.52	24.64
135.0	31.66	30.72	30.26	29.67	29.14	28.68	28.09	27.39	26.10
180.0	31.02	30.37	29.79	29.44	28.91	28.32	27.56	26.74	25.57
225.0	32.83	32.07	31.54	30.90	30.20	29.50	28.21	27.15	25.75
270.0	36.93	35.87	35.17	34.24	33.42	32.42	31.37	30.14	28.85
315.0	37.16	36.34	35.29	34.35	33.53	32.30	31.08	29.73	27.86
360.0	36.17	35.23	34.41	33.88	33.07	31.95	30.84	29.61	28.15

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	26.34	24.46	22.53	20.89	19.96	19.31	19.43	19.72	20.37
45.0	25.52	23.82	22.65	20.78	19.49	18.43	17.79	17.09	16.56
90.0	23.06	22.06	20.66	19.55	18.26	17.67	17.21	17.21	17.79
135.0	25.22	23.88	22.88	21.13	20.07	18.79	18.14	17.67	17.26
180.0	24.29	22.94	21.65	19.96	18.84	17.79	17.26	17.32	17.79
225.0	24.40	22.41	21.01	19.61	18.43	17.62	16.97	16.50	16.04
270.0	27.04	25.34	23.58	22.00	20.31	19.25	18.43	17.62	17.09
315.0	26.22	24.40	22.18	20.95	19.78	18.84	18.08	17.62	17.26
360.0	26.34	24.46	22.53	20.89	19.96	19.31	19.43	19.72	20.37

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	20.72	20.60	20.31	19.61	18.90	18.08	17.32	16.33	15.57
45.0	16.15	15.80	15.39	15.04	14.81	14.51	14.16	13.93	13.69
90.0	18.55	19.43	20.60	21.19	21.30	20.54	19.14	16.80	13.81
135.0	17.56	18.26	19.55	20.60	21.19	21.13	20.31	19.25	17.79
180.0	18.08	17.97	17.67	17.15	16.27	15.51	14.86	14.16	13.64
225.0	15.63	15.10	14.75	14.40	14.10	13.69	13.40	13.05	12.70
270.0	17.03	17.50	18.08	18.49	18.49	18.02	17.50	16.27	14.46
315.0	17.44	18.32	19.20	19.72	19.25	18.49	17.56	15.98	14.40
360.0	20.72	20.60	20.31	19.61	18.90	18.08	17.32	16.33	15.57

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	13.87	12.41	11.88	11.53	11.24	10.89	10.53	10.42	10.12
45.0	13.46	13.28	13.11	13.05	12.87	12.76	10.59	10.36	10.30
90.0	13.05	12.58	12.41	12.23	11.29	10.65	10.48	10.24	10.07
135.0	14.81	12.99	12.35	11.94	11.53	10.94	10.65	10.48	10.30
180.0	12.99	12.41	12.00	11.59	11.29	10.71	10.53	10.30	10.07
225.0	12.35	12.00	11.65	11.29	10.83	10.53	10.30	10.18	9.83
270.0	12.76	12.00	11.70	11.53	11.29	10.77	10.48	10.36	10.24
315.0	12.64	12.06	11.47	11.18	10.89	10.53	10.48	10.36	10.48
360.0	13.87	12.41	11.88	11.53	11.24	10.89	10.53	10.42	10.12

Intensity data(cd)

C/γ(°)	90.0
0.0	10.53
45.0	9.77
90.0	9.89
135.0	10.12
180.0	9.83
225.0	9.89
270.0	10.36
315.0	10.48
360.0	10.53