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

NT

Client:
LumCAT: 3-2805-L
Luminaire: 92.70.411.00
Report No: 2024418-B025
Ballast type: AC

Test No: 2024418-C025	Voltage(V): 33.580
LampCAT: NICHIA NFCWJ120B-V3	Current(A): 0.576
Lamp flux(lm): 2726.0	Power (W): 19.342
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 2367.04, Efficiency(%): 86.83% , Luminous Efficacy(lm/W): 122.38
Central intensity(cd): 10332.790, Maximum intensity(cd): 10332.790
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=17.8
[C90/270]Total=17.8
Field angle(10%Imax): [C0/180]Total=53.4
[C90/270]Total=53.4
Maximum s/h(1/2): C0_180=0.30 C90_270=0.30
Maximum s/h(1/4): C0_180=0.38 C90_270=0.38
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 86.83%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 97.501%

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

NT 3-2805-L

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	10332.791	0.000	0	0.00%	0.00%
1.0	10216.331	9.832	9.832	0.36%	0.42%
2.0	9915.233	28.895	38.727	1.06%	1.64%
3.0	9402.137	46.201	84.928	1.69%	3.59%
4.0	8780.921	60.865	145.792	2.23%	6.16%
5.0	8019.616	72.275	218.067	2.65%	9.21%
6.0	7249.021	80.241	298.308	2.94%	12.60%
7.0	6495.617	85.313	383.621	3.13%	16.21%
8.0	5720.926	87.431	471.052	3.21%	19.90%
9.0	5095.247	87.659	558.712	3.22%	23.60%
10.0	4564.594	87.418	646.13	3.21%	27.30%
11.0	4159.984	87.176	733.306	3.20%	30.98%
12.0	3792.975	86.937	820.243	3.19%	34.65%
13.0	3444.766	85.894	906.137	3.15%	38.28%
14.0	3153.178	84.453	990.59	3.10%	41.85%
15.0	2901.677	83.124	1073.714	3.05%	45.36%
16.0	2676.512	81.736	1155.45	3.00%	48.81%
17.0	2439.203	79.665	1235.115	2.92%	52.18%
18.0	2254.345	77.386	1312.502	2.84%	55.45%
19.0	2087.776	75.544	1388.046	2.77%	58.64%
20.0	1932.691	73.586	1461.632	2.70%	61.75%
21.0	1780.825	71.307	1532.939	2.62%	64.76%
22.0	1633.714	68.617	1601.555	2.52%	67.66%
23.0	1466.749	65.056	1666.611	2.39%	70.41%
24.0	1292.711	60.332	1726.943	2.21%	72.96%
25.0	1206.697	56.831	1783.774	2.08%	75.36%
26.0	1096.741	54.373	1838.147	1.99%	77.66%
27.0	1005.753	51.438	1889.585	1.89%	79.83%
28.0	924.268	48.864	1938.449	1.79%	81.89%
29.0	837.311	46.088	1984.537	1.69%	83.84%
30.0	735.862	42.475	2027.012	1.56%	85.63%
31.0	635.920	38.175	2065.187	1.40%	87.25%
32.0	540.755	33.710	2098.897	1.24%	88.67%
33.0	445.481	29.055	2127.952	1.07%	89.90%
34.0	341.237	23.808	2151.761	0.87%	90.91%
35.0	267.975	18.920	2170.68	0.69%	91.70%
36.0	230.564	15.874	2186.554	0.58%	92.38%
37.0	148.947	12.378	2198.932	0.45%	92.90%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	105.962	8.509	2207.44	0.31%	93.26%
39.0	95.926	6.891	2214.331	0.25%	93.55%
40.0	89.532	6.468	2220.799	0.24%	93.82%
41.0	83.848	6.174	2226.973	0.23%	94.08%
42.0	78.157	5.886	2232.859	0.22%	94.33%
43.0	73.043	5.601	2238.46	0.21%	94.57%
44.0	68.252	5.333	2243.793	0.20%	94.79%
45.0	63.885	5.078	2248.871	0.19%	95.01%
46.0	59.605	4.829	2253.7	0.18%	95.21%
47.0	56.218	4.607	2258.307	0.17%	95.41%
48.0	53.146	4.421	2262.728	0.16%	95.59%
49.0	50.563	4.259	2266.987	0.16%	95.77%
50.0	47.952	4.107	2271.094	0.15%	95.95%
51.0	45.889	3.970	2275.065	0.15%	96.11%
52.0	44.221	3.867	2278.931	0.14%	96.28%
53.0	42.934	3.791	2282.723	0.14%	96.44%
54.0	41.792	3.734	2286.457	0.14%	96.60%
55.0	40.929	3.693	2290.15	0.14%	96.75%
56.0	40.220	3.667	2293.816	0.13%	96.91%
57.0	39.386	3.640	2297.456	0.13%	97.06%
58.0	38.076	3.582	2301.038	0.13%	97.21%
59.0	36.562	3.489	2304.528	0.13%	97.36%
60.0	34.675	3.365	2307.893	0.12%	97.50%
61.0	32.297	3.196	2311.089	0.12%	97.64%
62.0	30.088	3.006	2314.095	0.11%	97.76%
63.0	27.176	2.785	2316.88	0.10%	97.88%
64.0	25.026	2.562	2319.442	0.09%	97.99%
65.0	23.153	2.384	2321.826	0.09%	98.09%
66.0	21.536	2.230	2324.056	0.08%	98.18%
67.0	20.329	2.105	2326.161	0.08%	98.27%
68.0	19.605	2.023	2328.184	0.07%	98.36%
69.0	19.356	1.988	2330.172	0.07%	98.44%
70.0	19.429	1.992	2332.163	0.07%	98.53%
71.0	19.795	2.027	2334.191	0.07%	98.61%
72.0	20.432	2.092	2336.282	0.08%	98.70%
73.0	21.017	2.167	2338.45	0.08%	98.79%
74.0	21.551	2.238	2340.688	0.08%	98.89%
75.0	21.748	2.288	2342.976	0.08%	98.98%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	21.507	2.296	2345.272	0.08%	99.08%
77.0	21.010	2.267	2347.539	0.08%	99.18%
78.0	20.234	2.208	2349.746	0.08%	99.27%
79.0	19.247	2.121	2351.868	0.08%	99.36%
80.0	17.637	1.988	2353.856	0.07%	99.44%
81.0	15.721	1.804	2355.66	0.07%	99.52%
82.0	13.555	1.588	2357.248	0.06%	99.59%
83.0	12.392	1.411	2358.658	0.05%	99.65%
84.0	11.880	1.322	2359.981	0.05%	99.70%
85.0	11.434	1.272	2361.253	0.05%	99.76%
86.0	10.966	1.224	2362.477	0.04%	99.81%
87.0	10.585	1.179	2363.657	0.04%	99.86%
88.0	10.351	1.147	2364.804	0.04%	99.91%
89.0	10.132	1.123	2365.926	0.04%	99.95%
90.0	10.146	1.112	2367.038	0.04%	100.00%

Zonal flux distribution table

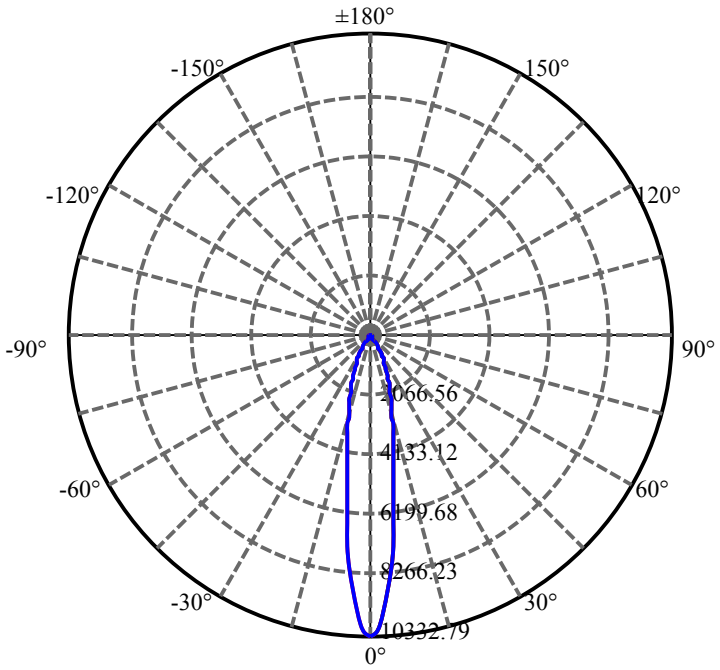
ZONAL LUMEN SUMMARY

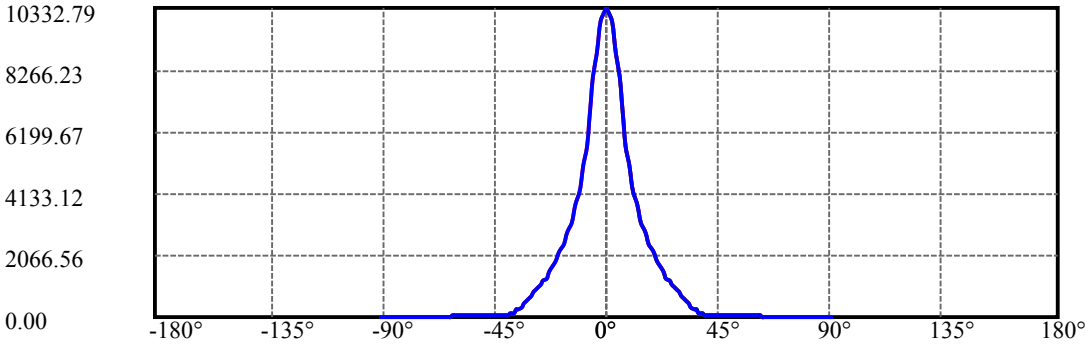
Zone	Lumens	%Lamp	%Fixt
0-30	2027.01	74.36%	85.63%
0-40	2220.80	81.47%	93.82%
0-60	2307.89	84.66%	97.50%
0-90	2365.93	86.79%	99.95%
0-120	2365.93	86.79%	99.95%
0-180	2367.04	86.83%	100.00%
60-90	58.03	2.13%	2.45%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-27.08	1893.63	69.47%	80.00%

ZONAL LUMEN SUMMARY

0-10	646.13
10-20	815.50
20-30	565.38
30-40	193.79
40-50	50.30
50-60	36.80
60-70	24.27
70-80	21.69
80-90	12.07
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):

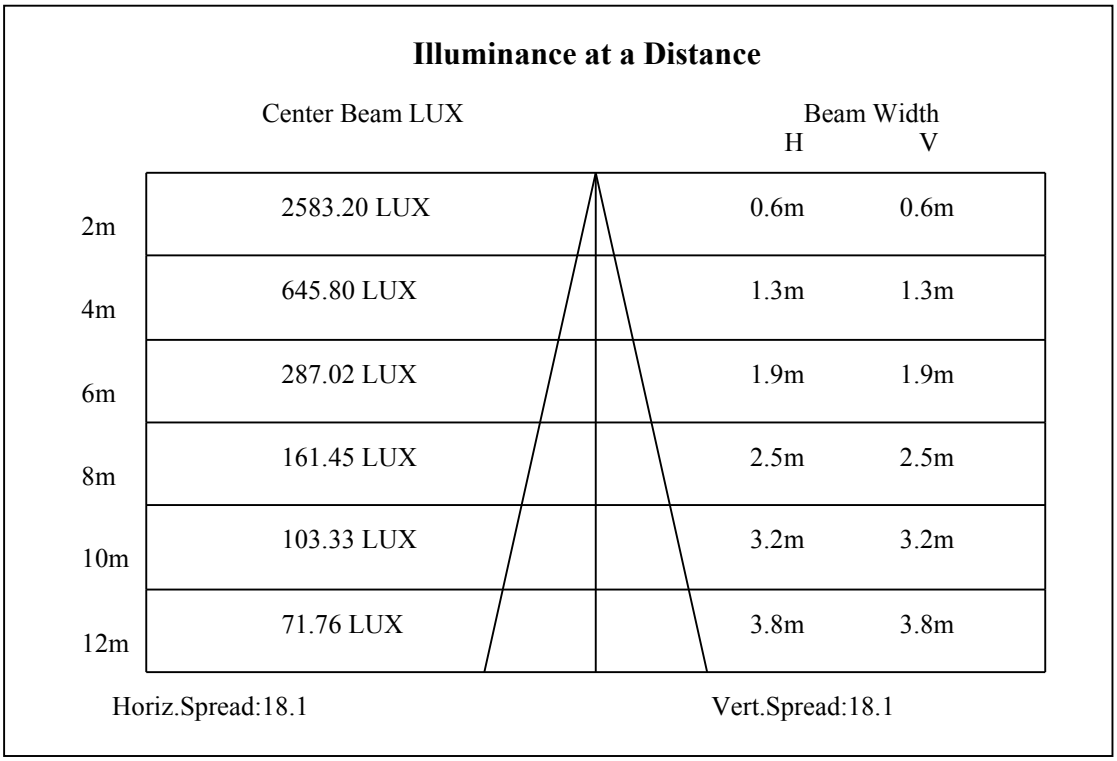
C0/C180:

C90/C270:

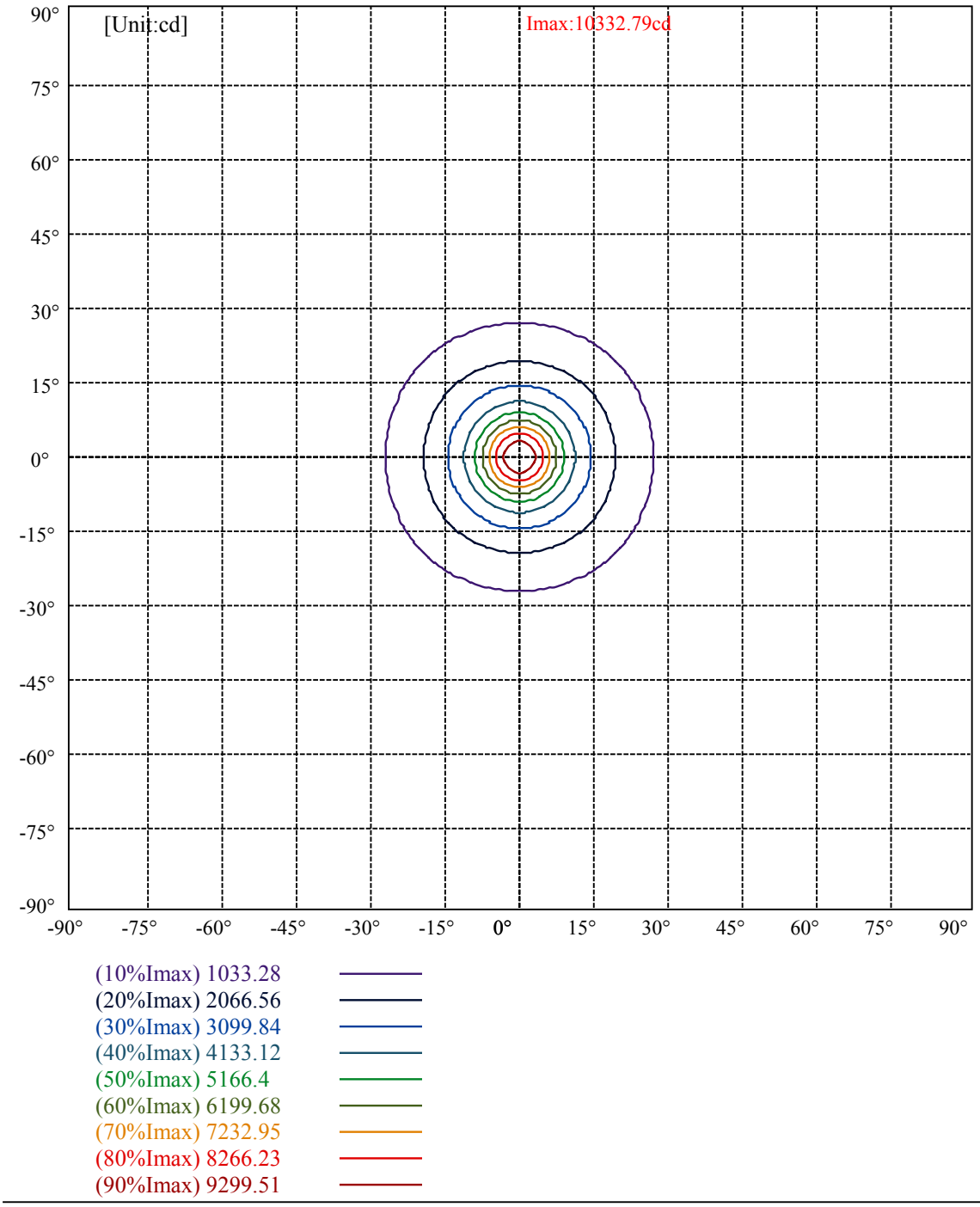
Field angle(10%Imax):C0/180Left:26.7 Right:26.7
:C90/270Left:26.7 Right:26.7

Beam Angle(50%Imax):C0/180Left:8.9 Right:8.9
:C90/270Left:8.9 Right:8.9

Lux distance Curve



ISO-Intensity(V-H)



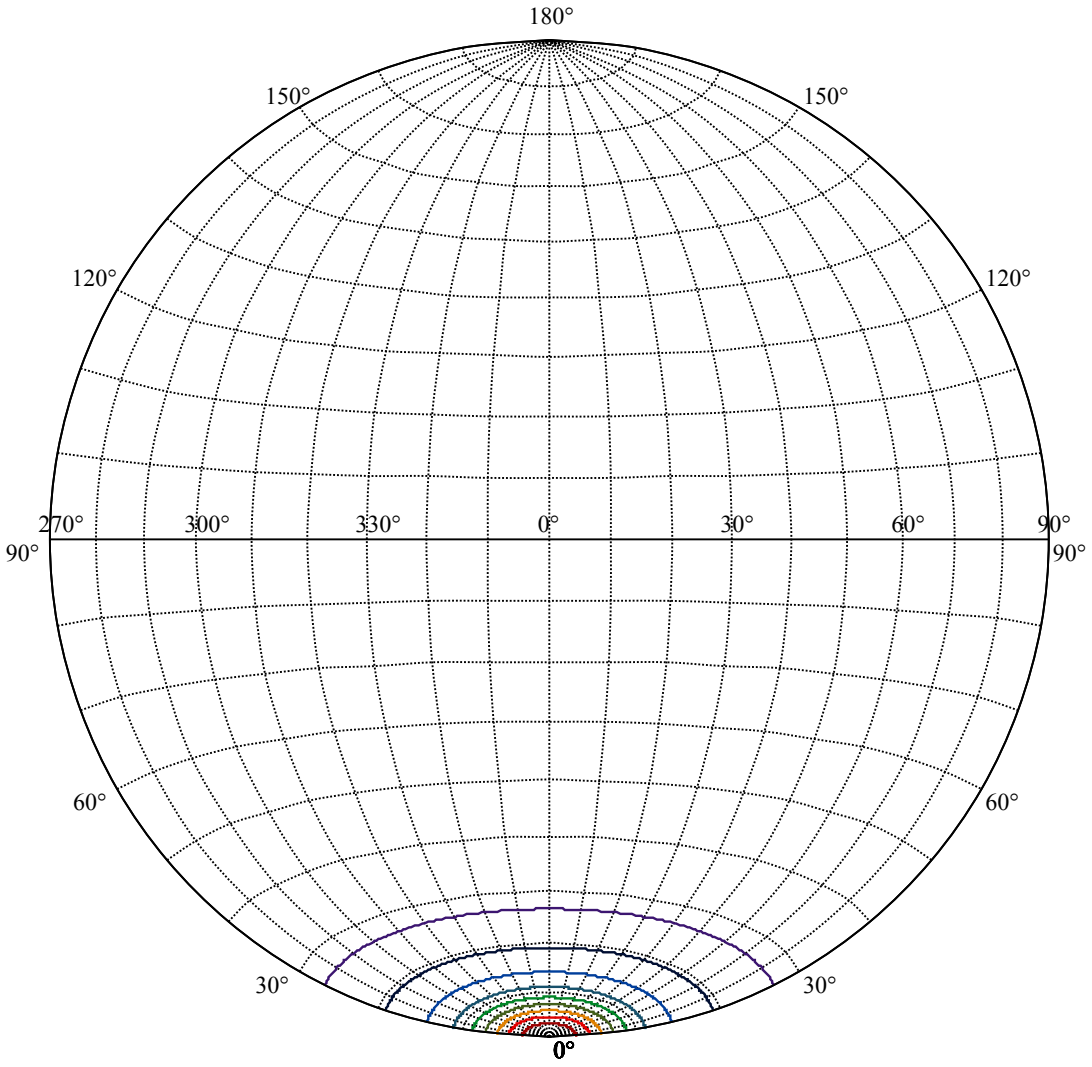
(10%Imax) 1033.28
(20%Imax) 2066.56
(30%Imax) 3099.84
(40%Imax) 4133.12
(50%Imax) 5166.4
(60%Imax) 6199.68
(70%Imax) 7232.95
(80%Imax) 8266.23
(90%Imax) 9299.51

Equipment: GMS1980
Temperature(°C): 25.0

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

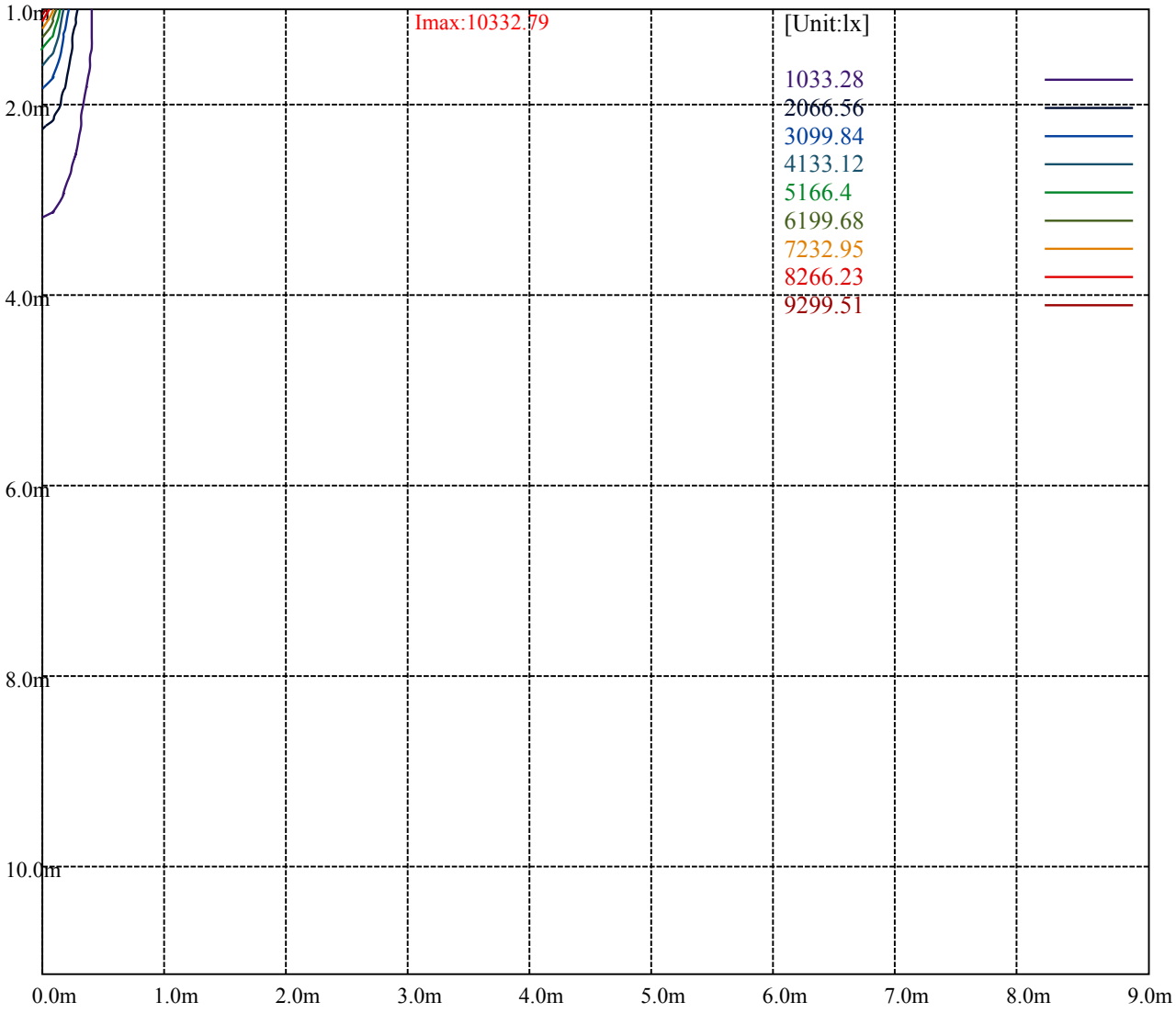
Operator: NT07
Distance(m): 7.65

ISO candela diagram on circular web



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

NT 3-2805-L

Luminance Limitting Curve(no luminous side)

Luminance Table

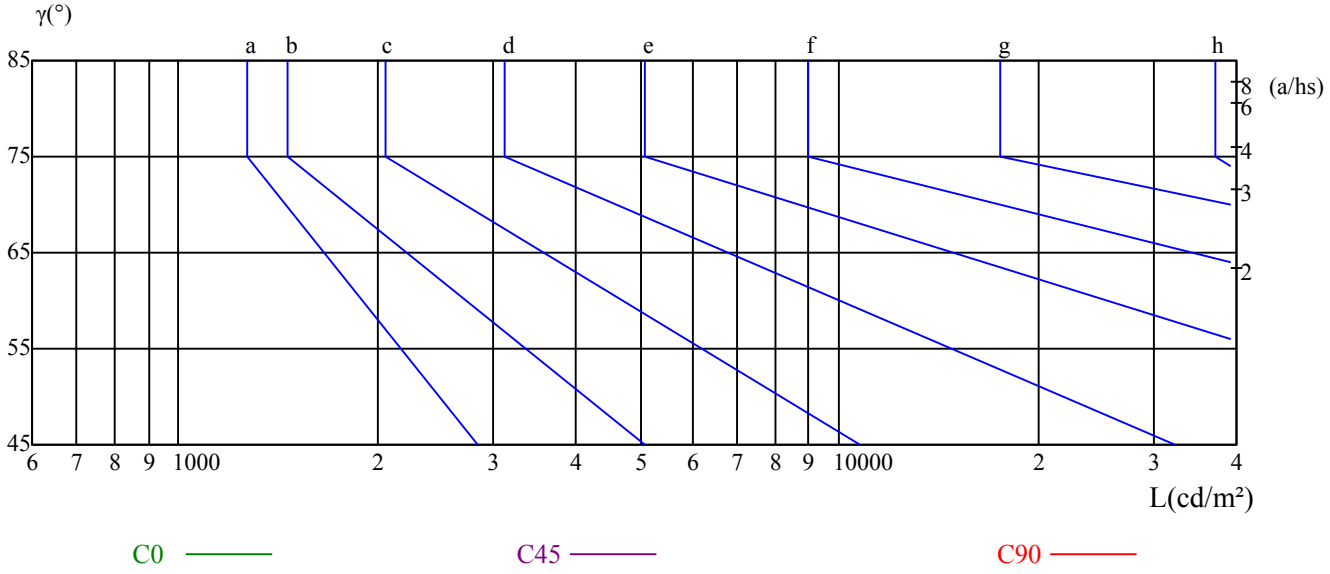
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

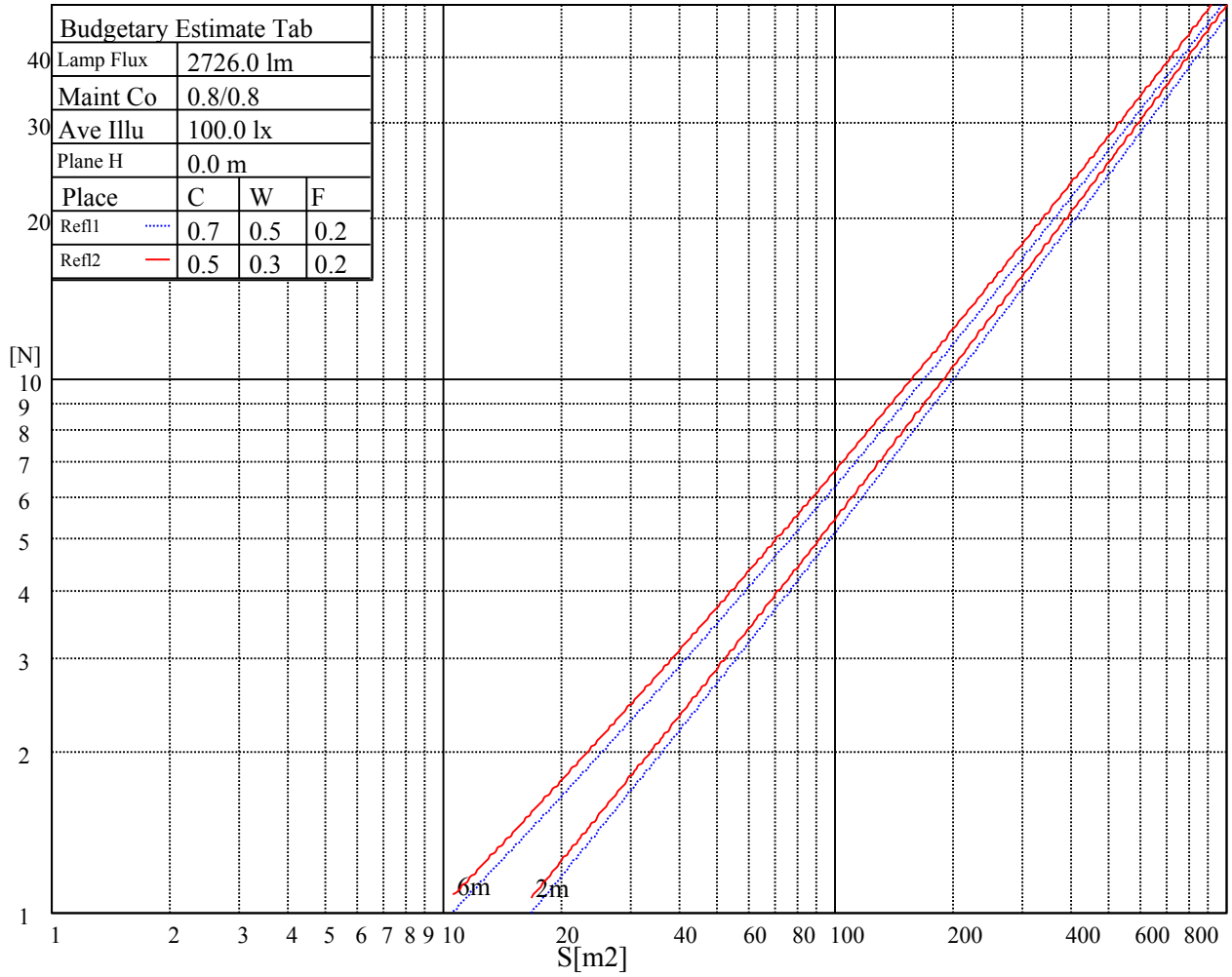
Date: 2024/4/18
Humidity(%): 60.0%

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 X Y	Viewed crosswise					Viewed endwise				
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
2H 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
2H 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
2H 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
2H 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
2H 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
4H 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 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
4H 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
4H 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
4H 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
8H 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 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
8H 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
12H 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
12H 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

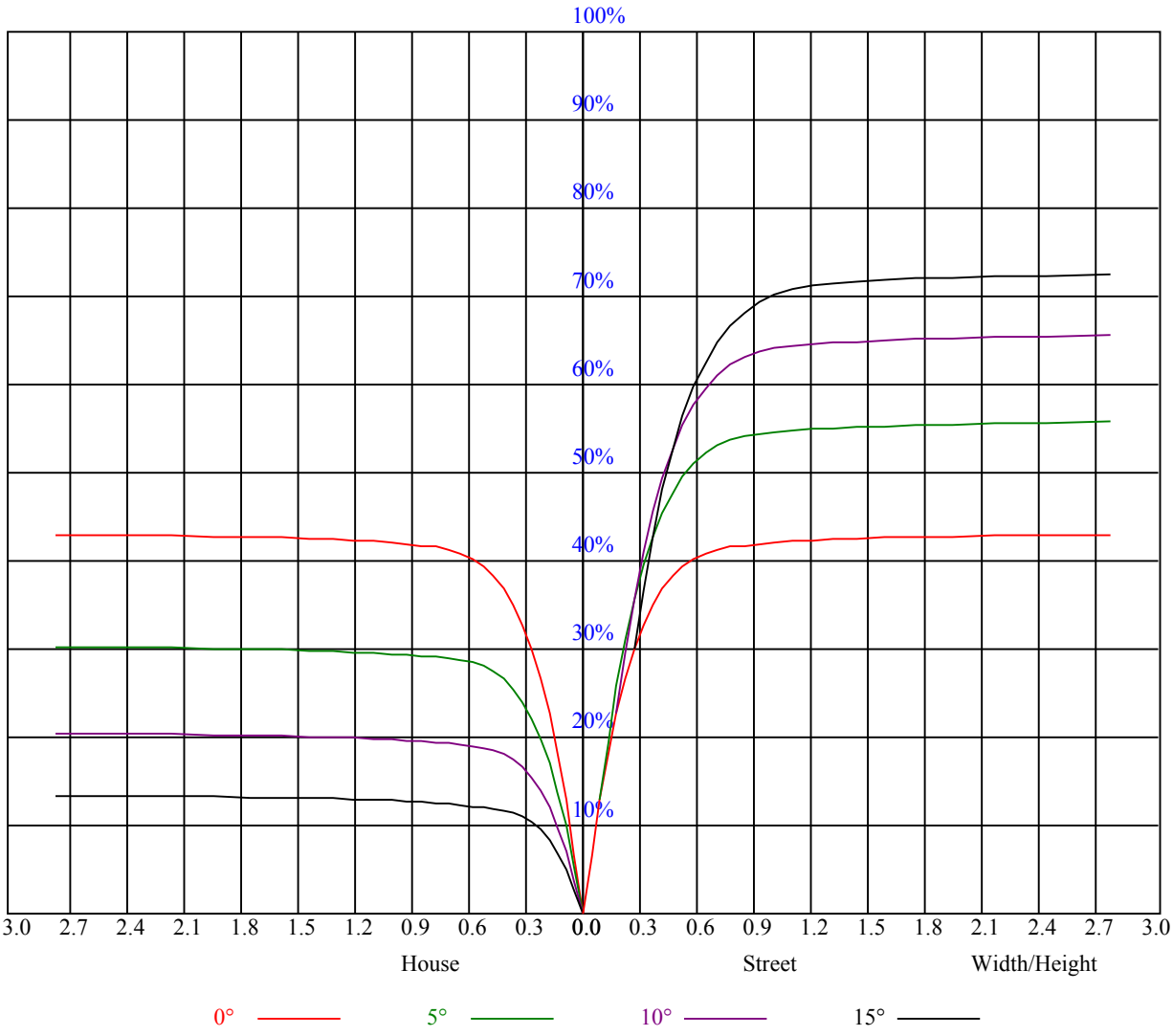


Equipment: GMS1980 Date: 2024/4/18 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

Utilization factor table for indoor luminaire

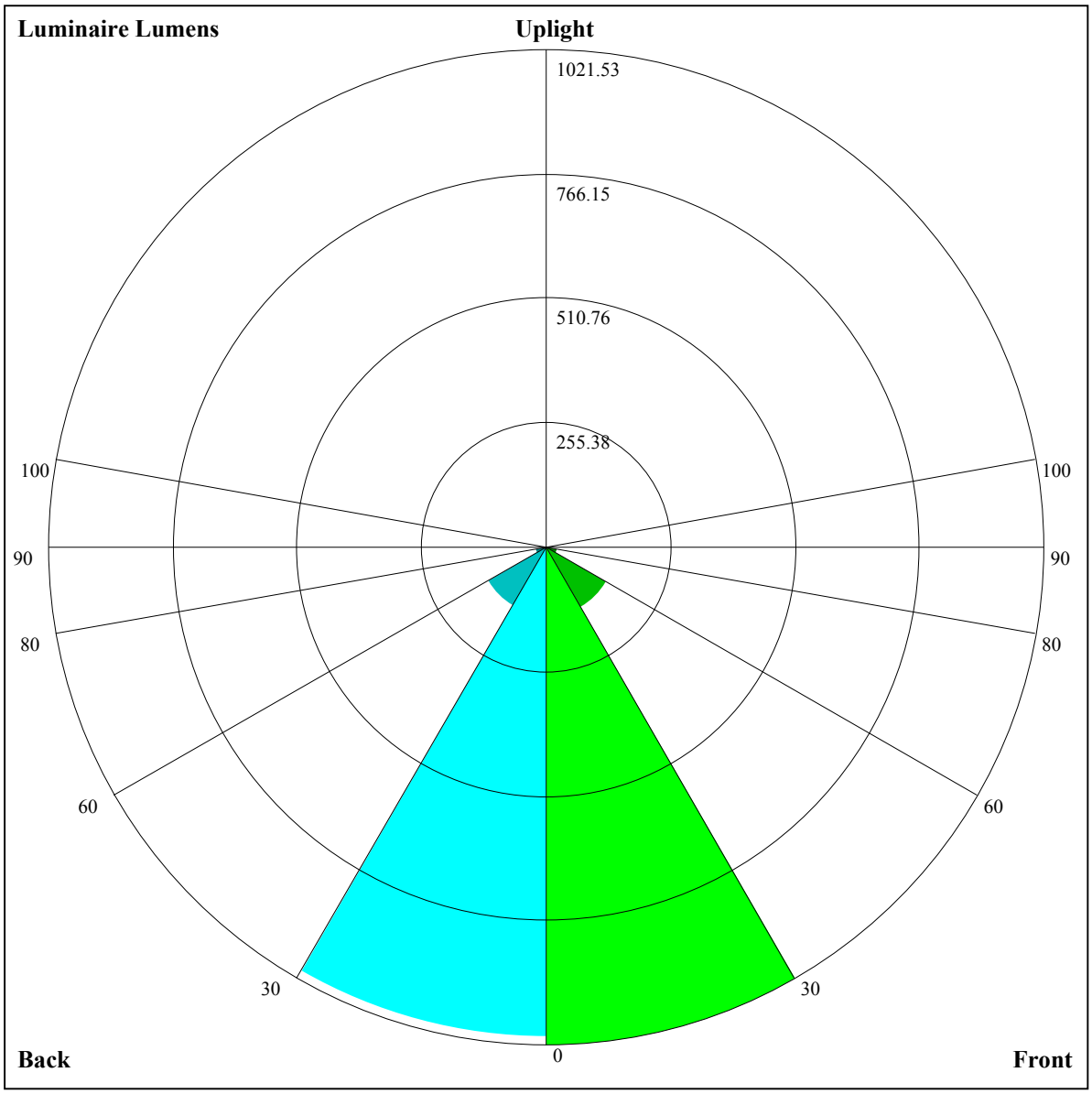
RHOCC	80			70			50			30			10			0
RHOW	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR	COEFFCIENTS OF UTILIZATION RHOFC=20 CU															
0	1.03	1.03	1.03	1.01	1.01	1.01	0.96	0.96	0.96	0.92	0.92	0.92	0.89	0.89	0.89	0.87
1	0.97	0.95	0.93	0.95	0.93	0.91	0.91	0.90	0.89	0.88	0.87	0.86	0.85	0.84	0.84	0.82
2	0.91	0.88	0.85	0.90	0.87	0.84	0.87	0.85	0.83	0.84	0.82	0.81	0.82	0.80	0.79	0.78
3	0.86	0.82	0.79	0.85	0.82	0.79	0.83	0.80	0.78	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	0.78	0.75	0.73	0.76	0.74	0.72	0.71
5	0.78	0.74	0.71	0.77	0.73	0.70	0.76	0.72	0.70	0.75	0.72	0.69	0.73	0.71	0.69	0.67
6	0.75	0.70	0.67	0.74	0.70	0.67	0.73	0.69	0.67	0.72	0.69	0.66	0.71	0.68	0.66	0.65
7	0.72	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	0.65	0.62	0.68	0.64	0.61	0.67	0.64	0.61	0.67	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	0.64	0.61	0.59	0.58
10	0.64	0.60	0.57	0.64	0.60	0.57	0.63	0.59	0.57	0.62	0.59	0.57	0.62	0.59	0.57	0.56

Coefficient Utilization Curve



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

LCS Graph



Luminaire Lumens:
FL=1021.53,FM=143.36,FH=23.11,FVH=6.65
BL=1005.19,BM=138.56,BH=23.12,BVH=6.67
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	10369.66	10233.30	9922.55	9445.00	8856.85	8019.40	7291.96	6553.41	5864.60
45.0	10264.32	10373.17	10238.57	9920.21	9284.07	8662.56	7977.26	7252.75	6347.41
90.0	10358.54	10126.79	9725.33	9178.14	8548.44	7675.87	6947.85	6055.38	5402.86
135.0	10338.64	10323.43	10146.10	9629.94	9044.71	8389.84	7502.64	6769.94	5882.15
180.0	10369.66	10280.12	10000.97	9398.77	8799.50	8131.17	7235.20	6492.54	5615.88
225.0	10264.32	9986.34	9530.45	8798.33	8135.27	7218.81	6467.38	5760.43	5145.94
270.0	10358.54	10319.92	10075.29	9682.02	9022.47	8383.99	7657.14	6896.94	5993.93
315.0	10338.64	10087.58	9682.61	9164.68	8556.05	7675.28	6912.74	6183.55	5514.63
360.0	10369.66	10233.30	9922.55	9445.00	8856.85	8019.40	7291.96	6553.41	5864.60

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	5109.07	4616.31	4191.44	3750.18	3444.11	3109.94	2869.42	2648.79	2406.50
45.0	5683.76	5093.27	4619.24	4219.53	3791.73	3491.51	3153.25	2909.21	2633.57
90.0	4860.94	4313.75	3954.42	3644.25	3293.70	3046.15	2815.58	2610.16	2370.22
135.0	5257.13	4742.72	4320.77	3958.52	3573.44	3295.46	3036.79	2808.55	2548.71
180.0	5047.04	4571.25	4172.71	3820.41	3448.79	3178.42	2931.45	2711.41	2460.93
225.0	4653.77	4138.77	3797.58	3500.87	3228.16	2918.58	2705.55	2455.08	2280.10
270.0	5340.82	4685.37	4251.13	3880.10	3490.93	3219.38	2965.98	2744.18	2482.58
315.0	4809.44	4355.30	3972.57	3569.93	3287.27	2965.98	2735.40	2524.72	2331.01
360.0	5109.07	4616.31	4191.44	3750.18	3444.11	3109.94	2869.42	2648.79	2406.50

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2235.03	2074.10	1926.62	1759.24	1628.74	1498.82	1139.14	1139.14	1087.58
45.0	2441.03	2260.20	2094.58	1915.50	1780.90	1651.56	1523.40	1357.78	1225.52
90.0	2206.94	2053.03	1911.99	1749.88	1622.30	1491.21	1161.50	1161.50	1058.26
135.0	2361.44	2192.90	2009.14	1871.61	1712.43	1584.85	1454.93	1284.04	1152.95
180.0	2274.83	2110.97	1931.89	1799.63	1630.50	1494.14	1368.90	1202.11	1086.24
225.0	2112.14	1929.55	1794.36	1660.34	1495.89	1166.18	1166.18	1111.28	1002.08
270.0	2291.21	2123.25	1975.19	1800.80	1666.78	1535.69	1373.58	1243.66	1124.28
315.0	2112.14	1958.22	1817.77	1689.60	1532.18	1311.55	1154.06	1154.06	1037.02
360.0	2235.03	2074.10	1926.62	1759.24	1628.74	1498.82	1139.14	1139.14	1087.58

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1001.67	913.65	836.05	750.55	636.61	545.96	454.66	342.18	256.91
45.0	1103.21	1013.08	918.28	833.42	743.88	628.59	537.30	425.52	338.32
90.0	977.56	896.45	808.14	690.21	593.83	500.25	410.71	300.92	225.25
135.0	1047.61	968.61	870.87	784.85	692.38	599.33	485.80	396.84	311.40
180.0	1003.13	932.91	849.22	733.35	633.86	539.64	448.93	340.07	298.52
225.0	926.88	843.89	753.36	633.86	539.69	449.34	342.59	261.65	193.24
270.0	1019.52	951.63	873.80	762.02	666.63	572.99	480.53	368.17	303.21
315.0	966.44	873.92	788.77	698.64	580.48	489.95	403.34	294.54	216.94
360.0	1001.67	913.65	836.05	750.55	636.61	545.96	454.66	342.18	256.91

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	186.34	132.96	102.18	94.40	88.78	83.86	77.72	72.86	68.18
45.0	296.77	296.77	123.07	104.58	96.33	88.72	83.39	78.60	73.97
90.0	163.57	121.55	103.00	95.04	88.08	82.46	77.37	71.46	66.77
135.0	311.40	150.75	115.52	101.01	93.69	88.02	81.58	76.49	71.57
180.0	298.52	122.66	101.60	91.94	86.20	81.52	75.55	70.99	66.31
225.0	129.22	105.11	94.46	88.25	82.87	77.31	72.28	66.31	62.15
270.0	303.21	146.31	108.68	100.01	93.23	86.44	80.82	75.79	69.64
315.0	155.49	115.46	99.20	92.17	87.08	82.46	76.55	71.87	67.42
360.0	186.34	132.96	102.18	94.40	88.78	83.86	77.72	72.86	68.18

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	63.09	59.58	55.42	52.85	50.21	47.34	45.35	43.66	42.49
45.0	69.29	64.02	60.28	56.12	53.43	50.74	47.81	45.53	43.77
90.0	62.91	58.29	55.19	52.32	49.69	47.05	45.06	43.60	42.55
135.0	67.01	62.15	58.58	55.30	52.26	49.33	47.46	45.88	44.24
180.0	62.33	58.00	55.13	52.61	50.04	47.40	45.65	44.01	42.66
225.0	58.58	55.25	51.97	49.33	47.11	44.71	43.01	41.79	40.85
270.0	65.25	60.34	57.00	54.13	51.56	48.75	46.58	44.71	43.54
315.0	62.62	59.22	56.18	52.49	50.21	48.28	46.17	44.59	43.37
360.0	63.09	59.58	55.42	52.85	50.21	47.34	45.35	43.66	42.49

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	41.49	40.61	39.97	39.15	37.81	35.93	34.41	31.31	29.44
45.0	42.49	41.61	41.02	40.32	39.03	38.10	36.87	35.11	31.95
90.0	41.38	40.79	39.97	39.09	37.92	36.28	34.12	31.89	29.90
135.0	42.84	41.73	41.14	40.44	39.44	37.81	36.52	34.18	31.84
180.0	41.61	40.79	39.91	39.09	37.69	36.23	34.65	31.84	30.37
225.0	40.20	39.33	38.62	37.69	36.40	35.05	31.89	30.14	27.51
270.0	42.02	41.20	40.38	39.44	38.10	36.69	35.00	32.36	30.67
315.0	42.31	41.38	40.73	39.85	38.22	36.40	33.94	31.54	29.03
360.0	41.49	40.61	39.97	39.15	37.81	35.93	34.41	31.31	29.44

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	26.69	24.35	22.59	20.95	19.84	19.31	19.66	20.31	21.24
45.0	30.14	27.10	24.87	22.88	20.95	19.90	19.08	18.43	17.67
90.0	26.39	24.81	22.77	21.42	20.13	19.37	19.08	19.25	20.07
135.0	29.09	26.45	24.93	22.88	21.42	20.42	19.61	19.43	19.55
180.0	26.74	24.99	23.23	21.48	20.83	20.83	21.59	22.41	23.35
225.0	24.81	22.88	21.13	19.78	18.84	18.20	17.50	17.03	16.56
270.0	27.10	25.40	23.41	21.65	20.42	19.43	19.14	19.20	19.78
315.0	26.45	24.23	22.30	21.24	20.19	19.37	19.20	19.37	20.13
360.0	26.69	24.35	22.59	20.95	19.84	19.31	19.66	20.31	21.24

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	22.47	22.94	23.12	22.94	22.47	21.89	21.01	20.25	19.08
45.0	17.21	16.68	16.27	15.74	15.33	14.98	14.51	14.22	13.87
90.0	20.89	22.18	23.17	23.82	23.94	23.53	22.71	21.24	18.79
135.0	20.54	21.89	23.41	24.87	25.22	24.93	24.23	22.77	21.19
180.0	24.17	24.40	24.40	23.76	23.06	22.24	21.30	20.37	18.96
225.0	16.04	15.63	15.22	14.92	14.46	14.05	13.75	13.46	12.99
270.0	20.48	21.36	22.59	23.17	23.12	22.71	22.00	21.07	18.90
315.0	21.65	23.06	24.23	24.76	24.46	23.76	22.36	20.60	17.32
360.0	22.47	22.94	23.12	22.94	22.47	21.89	21.01	20.25	19.08

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	17.09	14.28	12.47	11.76	11.41	11.06	10.65	10.42	10.18
45.0	13.46	13.17	12.70	12.41	12.06	11.82	10.89	10.53	10.30
90.0	16.27	13.52	12.23	11.94	11.35	10.83	10.53	10.30	10.01
135.0	19.31	15.98	13.28	12.11	11.65	11.06	10.77	10.42	10.30
180.0	16.44	13.05	12.06	11.70	11.24	10.77	10.53	10.30	10.07
225.0	12.64	12.23	11.88	11.41	10.83	10.53	10.30	10.18	10.12
270.0	16.09	13.40	12.35	12.00	11.70	10.94	10.59	10.30	10.01
315.0	14.46	12.82	12.17	11.70	11.24	10.71	10.42	10.36	10.07
360.0	17.09	14.28	12.47	11.76	11.41	11.06	10.65	10.42	10.18

Intensity data(cd)

C/γ(°)	90.0
0.0	10.12
45.0	10.01
90.0	10.12
135.0	10.07
180.0	10.24
225.0	10.12
270.0	10.24
315.0	10.24
360.0	10.12