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

NT

Client:
LumCAT: 3-2835-L
Luminaire: 92.70.411.00
Report No: 2024422-B008
Ballast type: AC

Test No: 2024422-C008	Voltage(V): 0.000
LampCAT: NICHIA NFCWJ120B-V3	Current(A): 0.000
Lamp flux(lm): 2731.0	Power (W): 0.000
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 2305.11, Efficiency(%): 84.41% , Luminous Efficacy(lm/W): 0.00
Central intensity(cd): 4042.793, Maximum intensity(cd): 4054.351
Angle of maximum intensity: C=0.0 γ=4.0
Beam Angle(50%Imax): [C0/180]Total=44.4
[C90/270]Total=44.4
Field angle(10%Imax): [C0/180]Total=67.4
[C90/270]Total=67.4
Maximum s/h(1/2): C0_180=0.73 C90_270=0.73
Maximum s/h(1/4): C0_180=0.69 C90_270=0.69
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 84.41%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 97.646%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	4042.793	0.000	0	0.00%	0.00%
1.0	4044.987	3.870	3.87	0.14%	0.17%
2.0	4049.450	11.618	15.488	0.43%	0.67%
3.0	4052.522	19.377	34.865	0.71%	1.51%
4.0	4054.351	27.136	62.001	0.99%	2.69%
5.0	4041.842	34.829	96.831	1.28%	4.20%
6.0	4013.824	42.335	139.165	1.55%	6.04%
7.0	3974.760	49.585	188.75	1.82%	8.19%
8.0	3922.968	56.523	245.273	2.07%	10.64%
9.0	3862.690	63.099	308.371	2.31%	13.38%
10.0	3788.513	69.241	377.612	2.54%	16.38%
11.0	3701.387	74.839	452.452	2.74%	19.63%
12.0	3605.922	79.879	532.331	2.92%	23.09%
13.0	3497.290	84.297	616.628	3.09%	26.75%
14.0	3376.295	87.981	704.609	3.22%	30.57%
15.0	3241.473	90.852	795.461	3.33%	34.51%
16.0	3093.338	92.823	888.284	3.40%	38.54%
17.0	2926.549	93.746	982.03	3.43%	42.60%
18.0	2758.297	93.731	1075.76	3.43%	46.67%
19.0	2598.823	93.203	1168.963	3.41%	50.71%
20.0	2422.597	91.906	1260.869	3.37%	54.70%
21.0	2247.323	89.672	1350.541	3.28%	58.59%
22.0	2069.195	86.742	1437.283	3.18%	62.35%
23.0	1890.774	83.091	1520.374	3.04%	65.96%
24.0	1715.865	78.854	1599.228	2.89%	69.38%
25.0	1539.968	74.031	1673.259	2.71%	72.59%
26.0	1395.271	69.287	1742.546	2.54%	75.59%
27.0	1242.345	64.530	1807.075	2.36%	78.39%
28.0	1146.822	60.489	1867.564	2.21%	81.02%
29.0	1021.927	56.741	1924.305	2.08%	83.48%
30.0	877.091	51.273	1975.578	1.88%	85.70%
31.0	743.806	45.107	2020.685	1.65%	87.66%
32.0	618.502	39.029	2059.714	1.43%	89.35%
33.0	491.143	32.691	2092.404	1.20%	90.77%
34.0	374.237	26.189	2118.593	0.96%	91.91%
35.0	278.274	20.265	2138.858	0.74%	92.79%
36.0	208.889	15.511	2154.369	0.57%	93.46%
37.0	145.465	11.557	2165.926	0.42%	93.96%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	83.585	7.645	2173.571	0.28%	94.29%
39.0	71.507	5.294	2178.865	0.19%	94.52%
40.0	64.777	4.753	2183.618	0.17%	94.73%
41.0	60.110	4.447	2188.065	0.16%	94.92%
42.0	56.584	4.240	2192.305	0.16%	95.11%
43.0	53.716	4.086	2196.391	0.15%	95.28%
44.0	51.332	3.965	2200.356	0.15%	95.46%
45.0	48.976	3.855	2204.211	0.14%	95.62%
46.0	46.745	3.743	2207.954	0.14%	95.78%
47.0	44.609	3.633	2211.588	0.13%	95.94%
48.0	42.882	3.537	2215.124	0.13%	96.10%
49.0	41.200	3.453	2218.577	0.13%	96.25%
50.0	39.649	3.371	2221.948	0.12%	96.39%
51.0	38.171	3.292	2225.241	0.12%	96.53%
52.0	36.730	3.214	2228.455	0.12%	96.67%
53.0	35.296	3.133	2231.588	0.11%	96.81%
54.0	33.658	3.039	2234.627	0.11%	96.94%
55.0	32.092	2.935	2237.562	0.11%	97.07%
56.0	30.615	2.834	2240.396	0.10%	97.19%
57.0	29.195	2.735	2243.13	0.10%	97.31%
58.0	28.032	2.646	2245.777	0.10%	97.43%
59.0	26.957	2.571	2248.347	0.09%	97.54%
60.0	25.933	2.499	2250.846	0.09%	97.65%
61.0	24.974	2.429	2253.275	0.09%	97.75%
62.0	24.192	2.369	2255.645	0.09%	97.85%
63.0	23.511	2.320	2257.965	0.08%	97.95%
64.0	22.751	2.270	2260.235	0.08%	98.05%
65.0	21.836	2.207	2262.441	0.08%	98.15%
66.0	20.849	2.130	2264.571	0.08%	98.24%
67.0	20.095	2.059	2266.63	0.08%	98.33%
68.0	19.715	2.017	2268.646	0.07%	98.42%
69.0	19.539	2.003	2270.649	0.07%	98.50%
70.0	19.415	2.001	2272.65	0.07%	98.59%
71.0	19.290	2.001	2274.65	0.07%	98.68%
72.0	19.159	1.999	2276.649	0.07%	98.77%
73.0	18.969	1.994	2278.643	0.07%	98.85%
74.0	18.793	1.985	2280.628	0.07%	98.94%
75.0	18.544	1.973	2282.601	0.07%	99.02%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	18.230	1.952	2284.553	0.07%	99.11%
77.0	17.827	1.922	2286.476	0.07%	99.19%
78.0	17.381	1.885	2288.36	0.07%	99.27%
79.0	16.811	1.837	2290.197	0.07%	99.35%
80.0	16.064	1.772	2291.97	0.06%	99.43%
81.0	15.209	1.691	2293.661	0.06%	99.50%
82.0	14.367	1.604	2295.265	0.06%	99.57%
83.0	13.460	1.513	2296.778	0.06%	99.64%
84.0	12.363	1.407	2298.184	0.05%	99.70%
85.0	11.368	1.295	2299.48	0.05%	99.76%
86.0	10.658	1.204	2300.684	0.04%	99.81%
87.0	10.300	1.147	2301.831	0.04%	99.86%
88.0	10.051	1.115	2302.945	0.04%	99.91%
89.0	9.868	1.092	2304.037	0.04%	99.95%
90.0	9.788	1.078	2305.115	0.04%	100.00%

Zonal flux distribution table

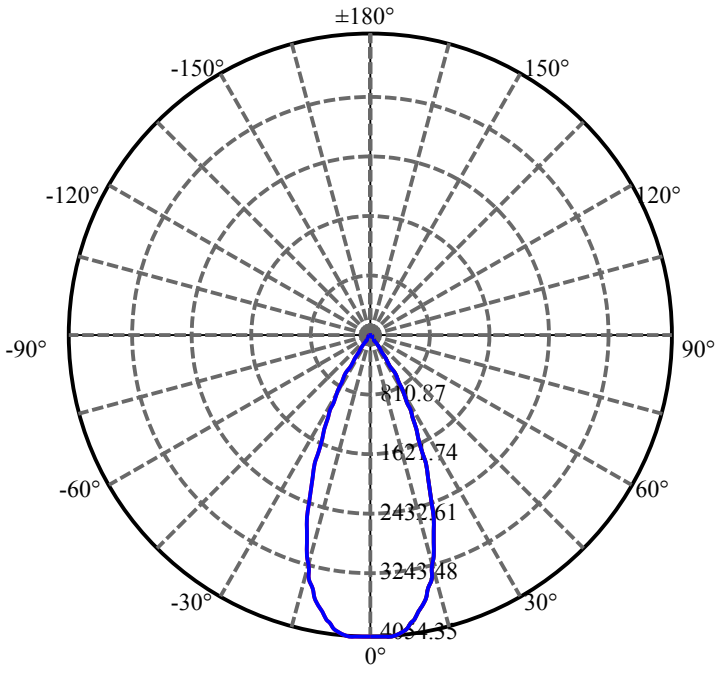
ZONAL LUMEN SUMMARY

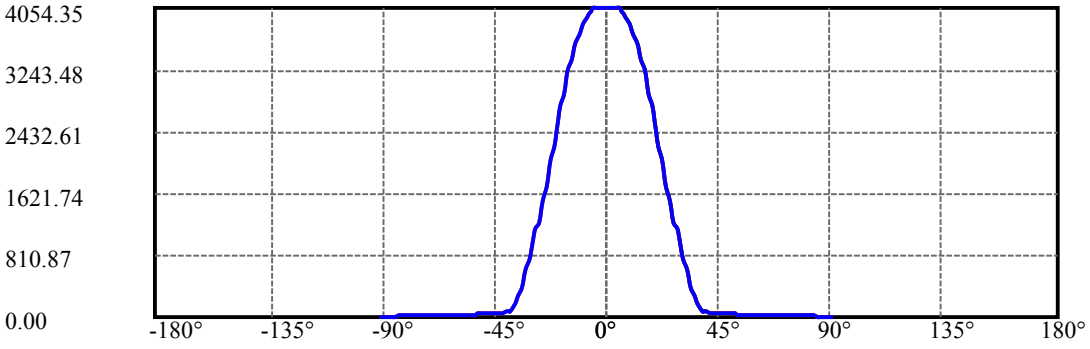
Zone	Lumens	%Lamp	%Fixt
0-30	1975.58	72.34%	85.70%
0-40	2183.62	79.96%	94.73%
0-60	2250.85	82.42%	97.65%
0-90	2304.04	84.37%	99.95%
0-120	2304.04	84.37%	99.95%
0-180	2305.11	84.41%	100.00%
60-90	53.19	1.95%	2.31%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-27.61	1844.09	67.52%	80.00%

ZONAL LUMEN SUMMARY

0-10	377.61
10-20	883.26
20-30	714.71
30-40	208.04
40-50	38.33
50-60	28.90
60-70	21.80
70-80	19.32
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):

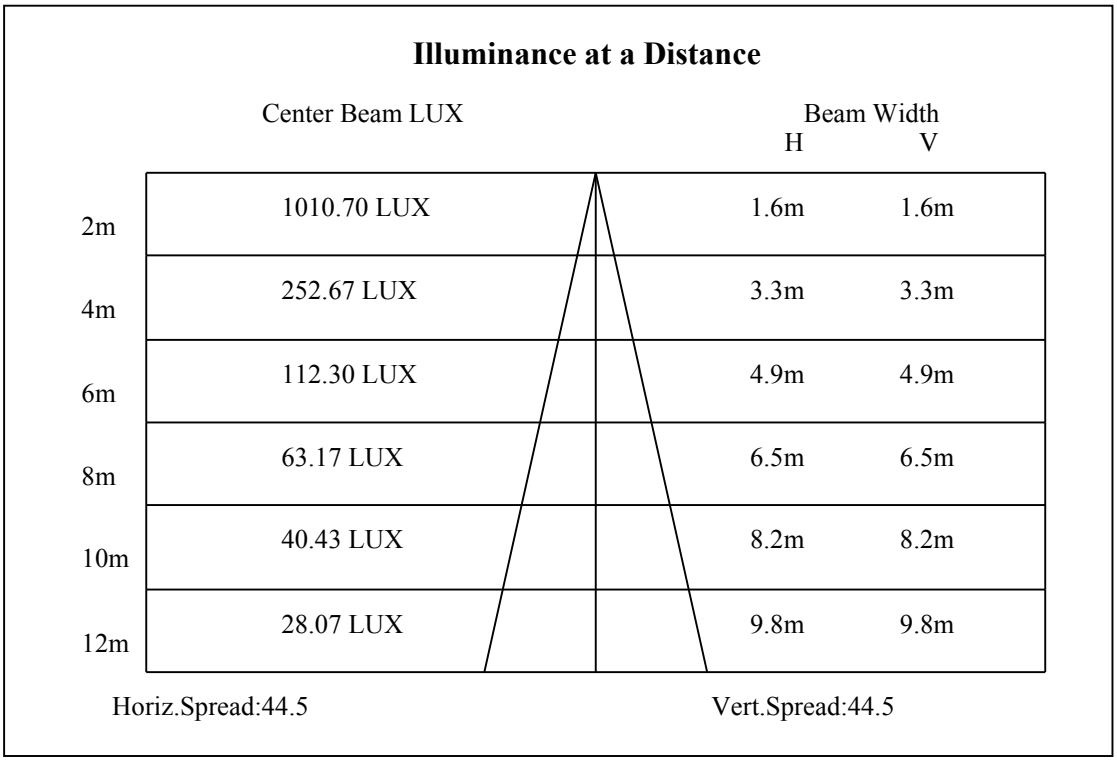
C0/C180:

C90/C270:

Field angle(10%Imax):C0/180Left:37.7 Right:29.7
:C90/270Left:37.7 Right:29.7

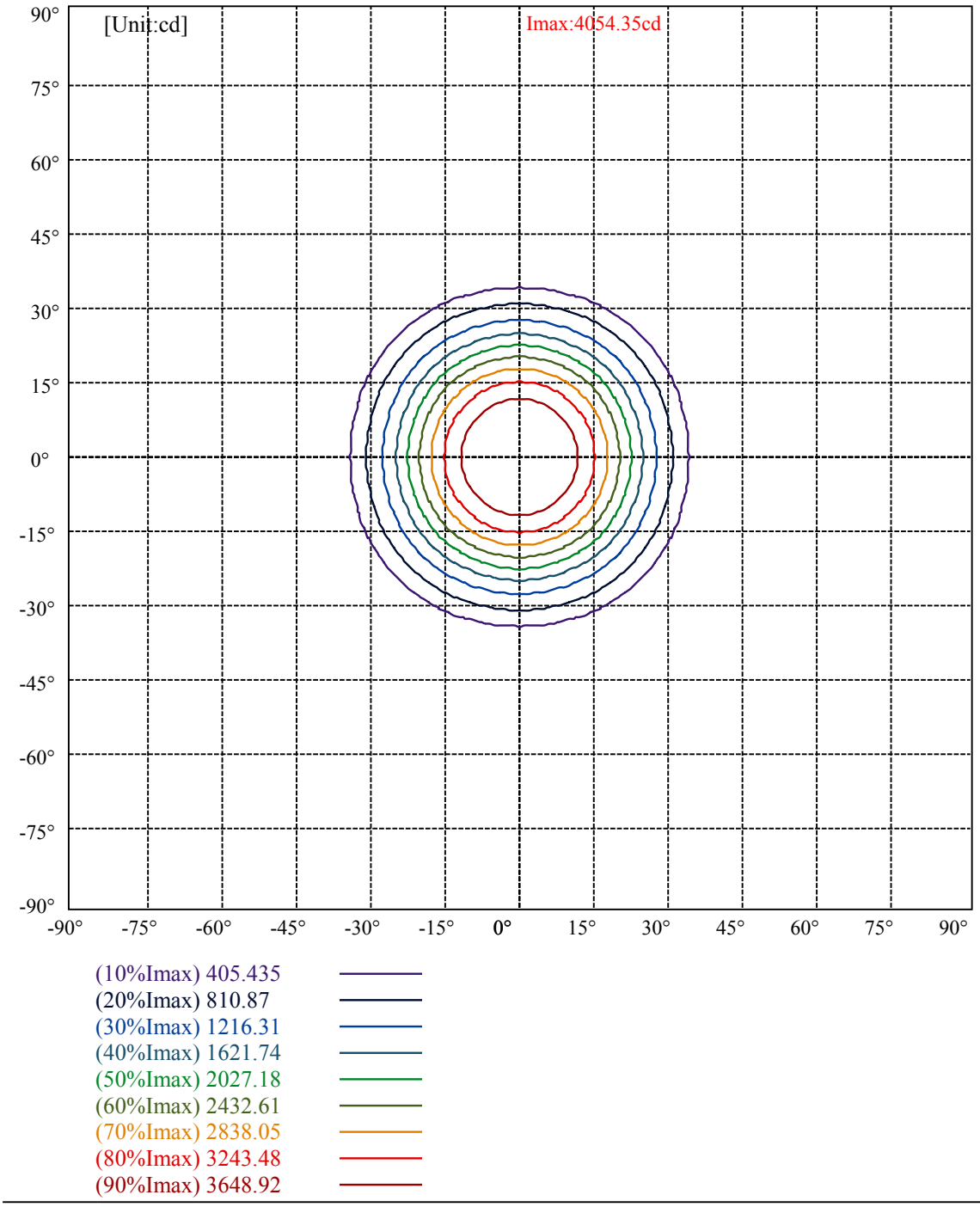
Beam Angle(50%Imax):C0/180Left:26.2 Right:18.2
:C90/270Left:26.2 Right:18.2

Lux distance Curve



Equipment: GMS1980 Date: 2024/4/21 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

ISO-Intensity(V-H)

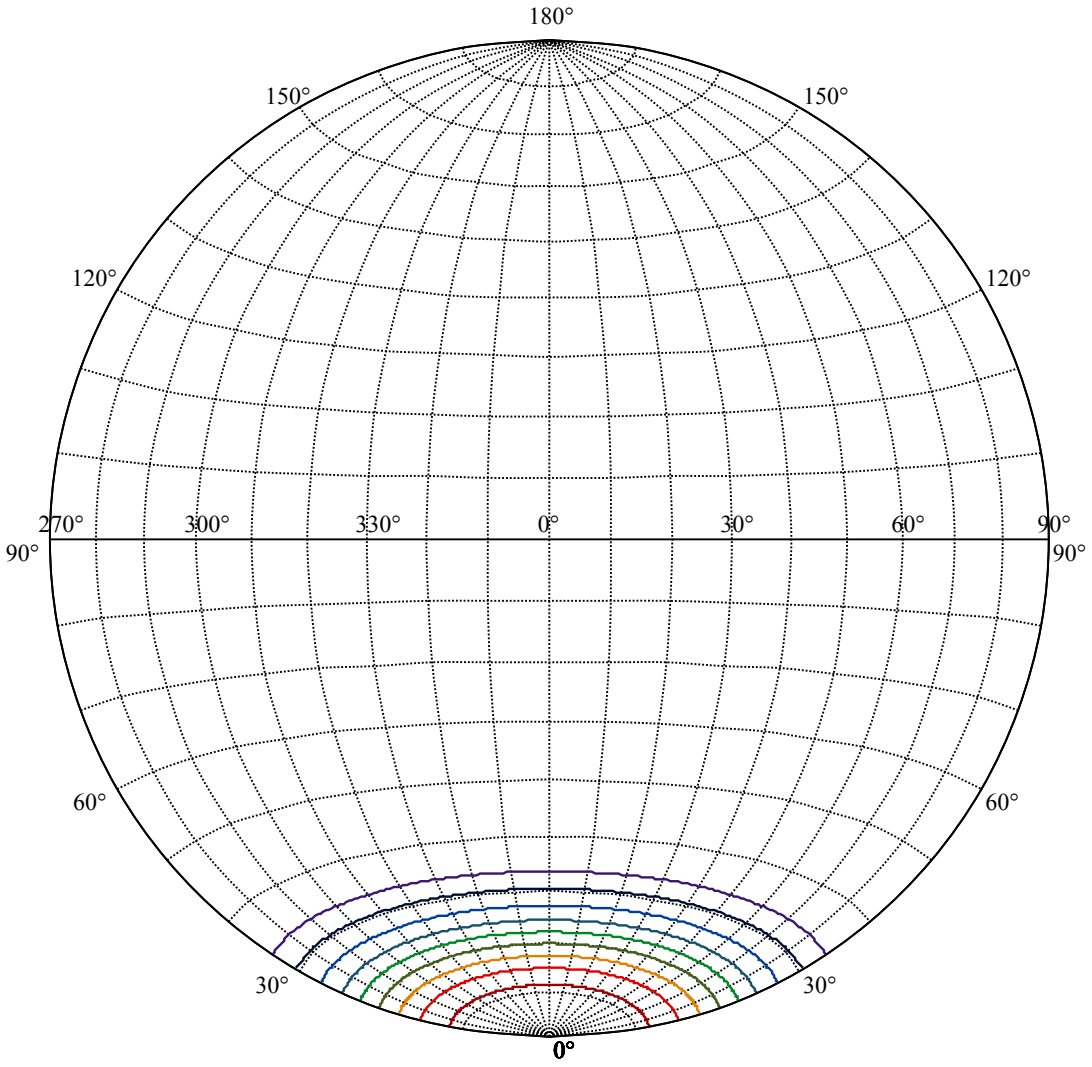


Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/4/21
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

ISO candela diagram on circular web



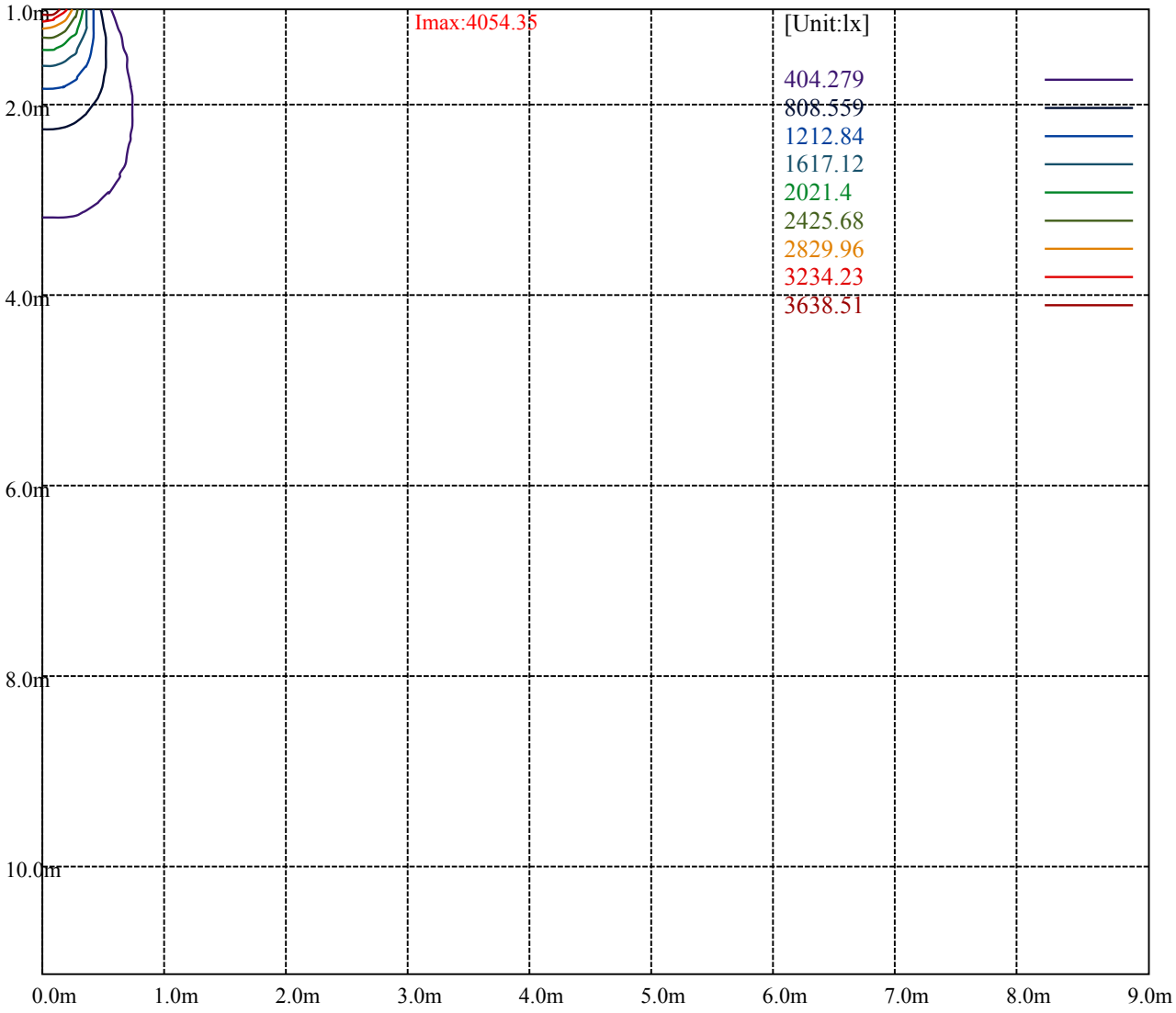
House [Unit:cd] Road

Imax:4054.35

(10%Imax) 405.435
(20%Imax) 810.87
(30%Imax) 1216.31
(40%Imax) 1621.74
(50%Imax) 2027.18
(60%Imax) 2432.61
(70%Imax) 2838.05
(80%Imax) 3243.48
(90%Imax) 3648.92

Equipment: GMS1980 Date: 2024/4/21 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/4/21
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

Luminance Limitting Curve(no luminous side)

Luminance Table

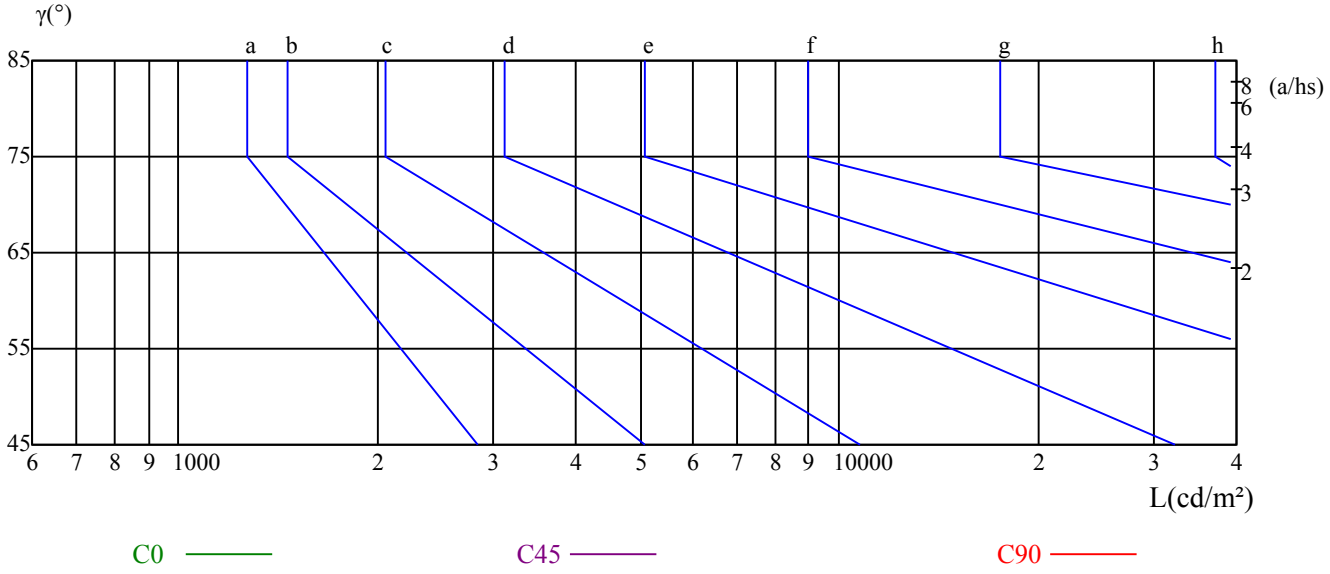
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

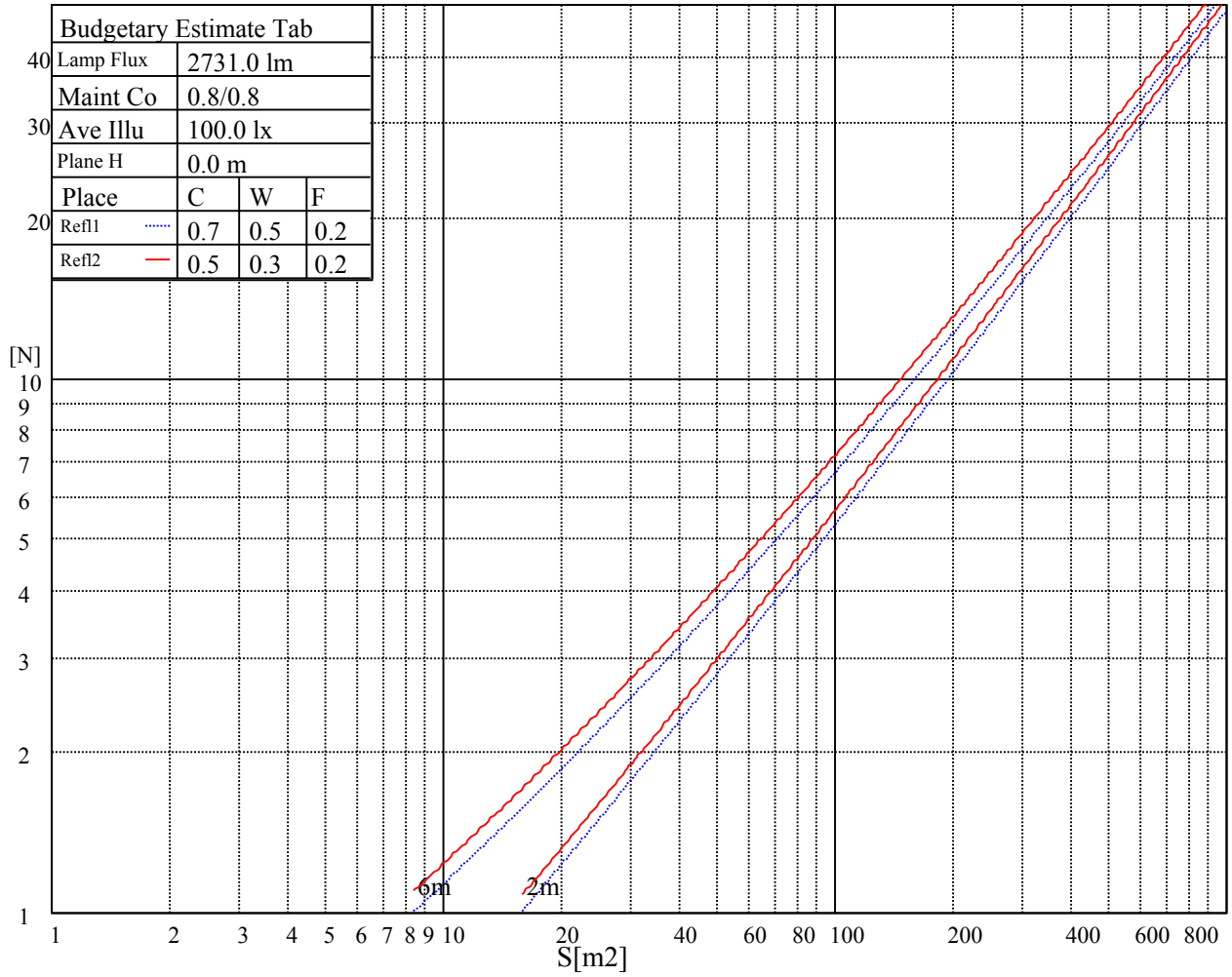
Luminance Limitting Curve



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 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

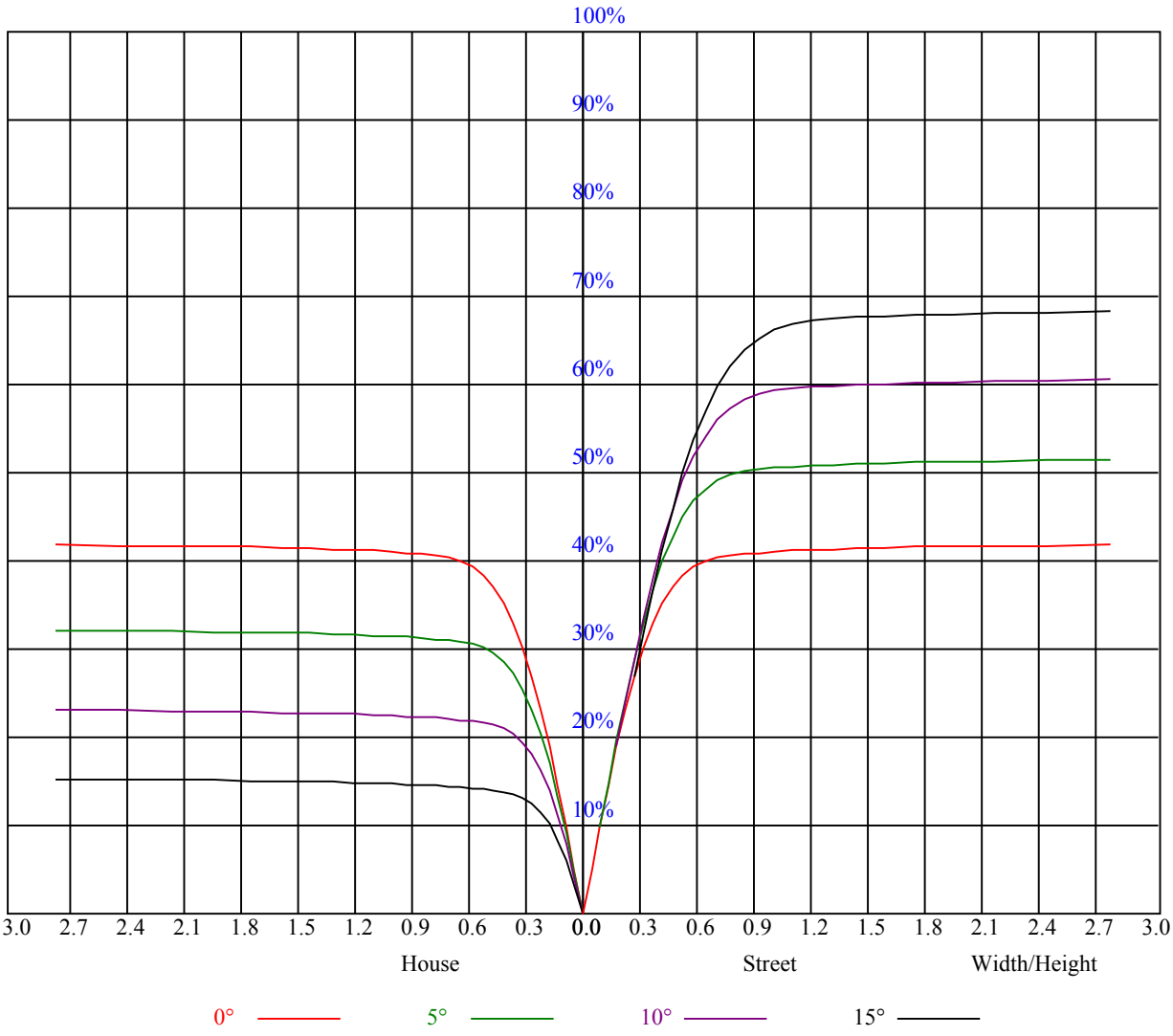


Equipment: GMS1980 Date: 2024/4/21 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

Utilization factor table for indoor luminaire

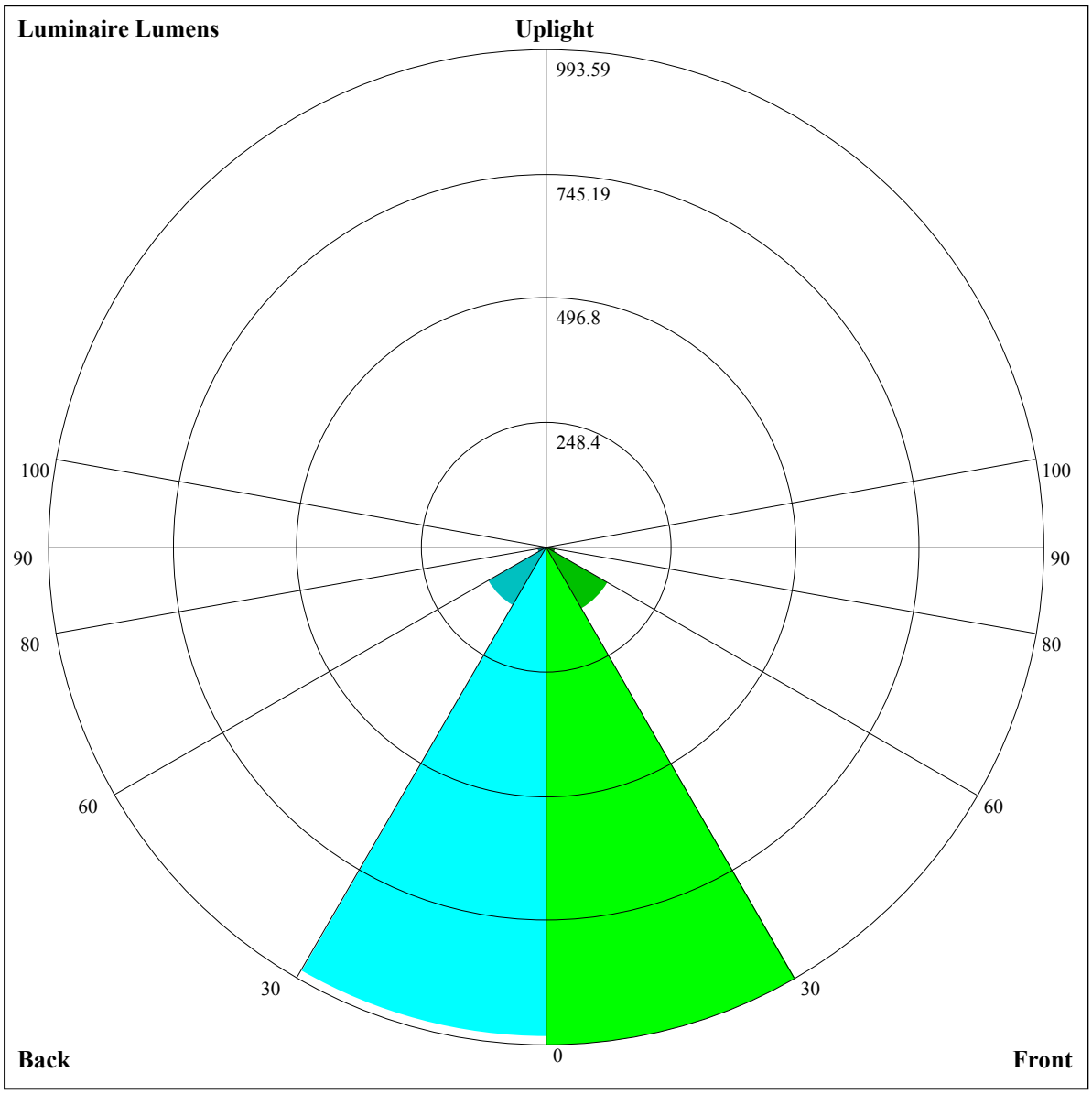
RHOCC	80			70			50			30			10			0
RHOW	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR	COEFFCIENTS OF UTILIZATION RHOFC=20 CU															
0	1.00	1.00	1.00	0.98	0.98	0.98	0.94	0.94	0.94	0.90	0.90	0.90	0.86	0.86	0.86	0.84
1	0.94	0.92	0.90	0.92	0.90	0.88	0.88	0.87	0.86	0.85	0.84	0.83	0.82	0.82	0.81	0.79
2	0.88	0.85	0.82	0.86	0.84	0.81	0.84	0.81	0.79	0.81	0.79	0.78	0.79	0.77	0.76	0.75
3	0.83	0.79	0.76	0.82	0.78	0.75	0.79	0.76	0.74	0.77	0.75	0.73	0.76	0.74	0.72	0.71
4	0.78	0.74	0.71	0.77	0.73	0.70	0.76	0.72	0.70	0.74	0.71	0.69	0.72	0.70	0.68	0.67
5	0.74	0.70	0.66	0.73	0.69	0.66	0.72	0.68	0.66	0.71	0.67	0.65	0.69	0.67	0.64	0.63
6	0.70	0.66	0.63	0.70	0.66	0.63	0.69	0.65	0.62	0.67	0.64	0.62	0.66	0.64	0.61	0.60
7	0.67	0.63	0.59	0.67	0.62	0.59	0.66	0.62	0.59	0.65	0.61	0.59	0.64	0.61	0.58	0.57
8	0.64	0.60	0.56	0.64	0.59	0.56	0.63	0.59	0.56	0.62	0.58	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	0.56	0.54	0.59	0.56	0.53	0.59	0.55	0.53	0.52
10	0.59	0.54	0.51	0.58	0.54	0.51	0.58	0.54	0.51	0.57	0.53	0.51	0.56	0.53	0.51	0.50

Coefficient Utilization Curve



Equipment: GMS1980	Date: 2024/4/21	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65

LCS Graph



Luminaire Lumens:
FL=993.59,FM=141.21,FH=20.76,FVH=6.67
BL=977.12,BM=136.9,BH=20.44,BVH=6.56
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	4047.47	4049.82	4060.93	4060.35	4069.13	4057.42	4040.45	4002.41	3940.38
45.0	4040.45	4045.72	4039.87	4050.40	4064.45	4073.22	4062.69	4046.89	4015.87
90.0	4045.13	4047.47	4048.65	4062.11	4065.03	4045.72	4029.92	3991.29	3953.84
135.0	4038.11	4032.84	4039.87	4040.45	4057.42	4049.23	4030.50	4008.26	3962.03
180.0	4047.47	4041.62	4048.65	4055.08	4049.23	4035.18	4010.02	3964.96	3914.63
225.0	4040.45	4052.74	4054.50	4043.96	4029.92	4005.92	3940.96	3888.29	3832.11
270.0	4045.13	4045.72	4051.57	4050.40	4049.23	4039.28	4013.53	3959.69	3908.19
315.0	4038.11	4043.96	4051.57	4057.42	4050.40	4028.75	3982.51	3936.28	3856.69
360.0	4047.47	4049.82	4060.93	4060.35	4069.13	4057.42	4040.45	4002.41	3940.38

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	3878.93	3794.07	3713.90	3623.19	3496.19	3381.49	3257.42	3114.63	2919.75
45.0	3970.22	3914.63	3834.45	3761.30	3670.00	3582.81	3480.39	3330.57	3195.97
90.0	3892.39	3835.04	3737.31	3655.37	3556.47	3446.45	3294.29	3153.84	2972.42
135.0	3903.51	3843.82	3788.22	3691.07	3605.63	3509.65	3389.68	3260.93	3089.46
180.0	3854.94	3767.15	3691.66	3583.98	3488.00	3372.12	3250.98	3107.02	2920.33
225.0	3756.62	3653.62	3561.15	3453.47	3307.75	3169.05	2984.12	2828.45	2669.85
270.0	3847.91	3783.54	3677.61	3577.54	3466.93	3320.04	3185.44	3004.60	2854.79
315.0	3797.00	3716.24	3606.80	3501.46	3387.34	3228.74	3089.46	2946.67	2789.83
360.0	3878.93	3794.07	3713.90	3623.19	3496.19	3381.49	3257.42	3114.63	2919.75

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2759.98	2597.87	2442.79	2243.23	2072.93	1907.31	1711.84	1562.02	1429.76
45.0	3021.58	2861.81	2700.87	2500.14	2332.77	2167.73	1965.24	1799.63	1646.30
90.0	2824.35	2672.20	2474.98	2309.94	2140.81	1928.96	1762.17	1611.77	1467.22
135.0	2935.55	2785.73	2584.41	2420.55	2250.83	2046.01	1883.90	1686.09	1540.96
180.0	2766.42	2596.12	2434.59	2240.89	2067.66	1862.24	1697.80	1564.95	1392.89
225.0	2472.05	2312.87	2146.66	1985.73	1782.65	1634.59	1490.63	1157.93	1157.93
270.0	2703.21	2538.18	2333.94	2181.19	2007.38	1835.32	1649.22	1509.94	1376.51
315.0	2583.24	2425.82	2262.54	2096.92	1898.53	1744.03	1566.12	1427.42	1150.61
360.0	2759.98	2597.87	2442.79	2243.23	2072.93	1907.31	1711.84	1562.02	1429.76

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1142.42	1142.42	1015.60	856.71	732.70	610.33	493.34	352.83	252.23
45.0	1498.82	1333.79	1211.47	1082.72	948.71	792.45	663.12	546.07	402.69
90.0	1144.41	1144.41	1045.68	921.61	754.41	636.02	515.99	399.12	267.16
135.0	1401.67	1272.34	1120.18	990.26	862.68	735.69	582.36	465.31	352.95
180.0	1270.58	1155.29	1035.32	866.78	743.29	617.47	501.60	365.82	313.74
225.0	1101.80	975.86	848.40	691.21	572.06	461.04	331.06	235.49	141.98
270.0	1228.45	1118.42	1000.21	836.35	712.28	590.55	448.93	340.66	315.49
315.0	1150.61	1032.04	898.55	771.09	624.32	504.46	392.74	288.57	179.96
360.0	1142.42	1142.42	1015.60	856.71	732.70	610.33	493.34	352.83	252.23

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	170.30	111.25	80.82	72.45	66.54	60.92	57.53	54.25	51.79
45.0	296.77	296.77	119.03	87.14	76.55	67.77	62.79	58.93	55.95
90.0	180.07	105.40	80.23	71.87	64.84	60.63	57.24	54.60	51.91
135.0	299.69	299.69	96.09	77.54	68.00	63.20	58.41	55.54	53.26
180.0	313.74	101.36	78.24	70.11	63.20	59.22	56.01	53.02	50.74
225.0	92.76	74.91	67.24	61.21	57.59	54.72	52.44	49.63	47.58
270.0	201.32	91.82	74.79	67.36	61.27	57.64	54.78	52.49	50.33
315.0	116.46	82.52	72.22	64.37	60.22	56.77	53.49	51.27	49.10
360.0	170.30	111.25	80.82	72.45	66.54	60.92	57.53	54.25	51.79

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	49.45	47.29	44.77	42.90	41.32	39.91	38.33	36.93	35.52
45.0	53.02	50.56	48.40	46.23	43.66	41.90	40.32	38.74	37.40
90.0	49.63	47.64	45.18	43.37	41.67	40.26	38.62	37.40	36.05
135.0	51.09	48.52	46.58	44.65	42.90	40.91	39.56	38.27	36.99
180.0	48.63	46.12	44.13	42.55	40.97	39.33	37.98	36.64	35.17
225.0	45.59	43.31	41.73	40.32	38.74	37.40	35.99	34.06	32.66
270.0	47.81	45.88	43.60	42.02	40.61	39.03	37.69	36.28	34.59
315.0	46.58	44.65	42.49	41.02	39.74	38.45	36.87	35.52	34.00
360.0	49.45	47.29	44.77	42.90	41.32	39.91	38.33	36.93	35.52

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	34.00	32.13	30.72	29.20	28.09	27.04	25.75	24.87	24.23
45.0	35.70	34.29	32.83	31.02	29.73	28.56	27.51	26.51	25.22
90.0	34.35	32.89	31.02	29.67	28.50	27.56	26.57	25.34	24.52
135.0	35.29	33.77	32.25	30.61	29.38	28.03	27.10	26.04	25.05
180.0	33.30	31.72	30.31	28.85	27.80	26.45	25.52	24.64	23.88
225.0	31.19	29.50	28.38	27.39	26.28	25.40	24.35	23.70	23.12
270.0	33.01	31.49	30.08	28.62	27.56	26.63	25.63	24.58	23.94
315.0	32.42	30.96	29.32	28.21	26.92	25.98	25.05	24.11	23.58
360.0	34.00	32.13	30.72	29.20	28.09	27.04	25.75	24.87	24.23

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	23.70	23.00	22.18	21.01	20.13	19.96	19.72	19.61	19.49
45.0	24.40	23.82	23.23	22.36	21.30	20.13	19.90	19.78	19.61
90.0	23.88	23.29	22.53	21.48	20.31	20.01	19.84	19.66	19.55
135.0	24.23	23.70	23.00	22.12	20.78	20.13	19.96	19.78	19.72
180.0	23.23	22.65	21.71	20.54	19.72	19.49	19.31	19.20	19.14
225.0	22.24	21.07	19.72	19.31	19.14	19.02	18.90	18.79	18.61
270.0	23.41	22.53	21.54	20.13	19.78	19.55	19.37	19.25	19.14
315.0	23.00	21.95	20.78	19.84	19.61	19.43	19.31	19.25	19.08
360.0	23.70	23.00	22.18	21.01	20.13	19.96	19.72	19.61	19.49

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	19.31	19.14	18.90	18.61	18.20	17.62	17.15	16.56	15.80
45.0	19.49	19.37	19.20	19.02	18.84	18.43	17.85	17.38	16.85
90.0	19.43	19.20	19.02	18.73	18.26	17.67	17.21	16.68	16.09
135.0	19.72	19.49	19.37	19.02	18.61	18.14	17.67	17.03	16.56
180.0	18.96	18.79	18.55	18.26	17.79	17.26	16.74	16.21	15.57
225.0	18.38	18.08	17.79	17.38	16.91	16.39	15.80	15.10	14.57
270.0	18.96	18.79	18.73	18.73	18.55	18.55	18.38	17.91	16.62
315.0	19.02	18.90	18.79	18.61	18.67	18.55	18.26	17.62	16.44
360.0	19.31	19.14	18.90	18.61	18.20	17.62	17.15	16.56	15.80

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	15.16	14.34	13.64	12.11	11.18	10.71	10.36	10.07	9.83
45.0	16.21	15.45	14.46	13.69	12.29	11.35	10.65	10.42	10.12
90.0	15.27	14.57	13.87	13.46	12.47	10.83	10.48	10.24	9.89
135.0	16.04	15.10	14.34	13.11	11.59	10.94	10.53	10.30	10.01
180.0	15.10	14.40	13.34	11.76	10.77	10.48	10.24	9.89	9.77
225.0	14.05	13.34	12.11	11.18	10.42	10.12	9.89	9.77	9.77
270.0	15.04	14.05	13.28	12.23	11.47	10.48	10.18	9.89	9.77
315.0	14.81	13.69	12.64	11.35	10.77	10.36	10.07	9.83	9.77
360.0	15.16	14.34	13.64	12.11	11.18	10.71	10.36	10.07	9.83

Intensity data(cd)

C/γ(°)	90.0
0.0	9.77
45.0	9.89
90.0	9.77
135.0	9.77
180.0	9.71
225.0	9.77
270.0	9.83
315.0	9.77
360.0	9.77