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

NT

Client:
LumCAT: 2-2685-L
Luminaire: 92.70.411.00
Report No: 2024416-B016
Ballast type: AC

Test No: 2024416-C016	Voltage(V): 33.790
LampCAT: NICHIA NFCWJ108B-V3	Current(A): 0.577
Lamp flux(lm): 2647.0	Power (W): 19.496
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 2251.94, Efficiency(%): 85.08% , Luminous Efficacy(lm/W): 115.51
Central intensity(cd): 3797.584, Maximum intensity(cd): 3797.584
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=45.4
[C90/270]Total=45.4
Field angle(10%Imax): [C0/180]Total=70.0
[C90/270]Total=70.0
Maximum s/h(1/2): C0_180=0.73 C90_270=0.73
Maximum s/h(1/4): C0_180=0.71 C90_270=0.71
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 85.08%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 97.886%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	3797.584	0.000	0	0.00%	0.00%
1.0	3791.878	3.631	3.631	0.14%	0.16%
2.0	3779.807	10.868	14.499	0.41%	0.64%
3.0	3760.349	18.034	32.533	0.68%	1.44%
4.0	3734.745	25.088	57.621	0.95%	2.56%
5.0	3700.363	31.985	89.607	1.21%	3.98%
6.0	3661.958	38.691	128.297	1.46%	5.70%
7.0	3614.554	45.165	173.463	1.71%	7.70%
8.0	3559.470	51.343	224.806	1.94%	9.98%
9.0	3494.364	57.167	281.973	2.16%	12.52%
10.0	3420.772	62.579	344.553	2.36%	15.30%
11.0	3337.304	67.527	412.08	2.55%	18.30%
12.0	3246.960	71.975	484.055	2.72%	21.50%
13.0	3153.397	75.956	560.011	2.87%	24.87%
14.0	3046.667	79.360	639.372	3.00%	28.39%
15.0	2939.424	82.180	721.551	3.10%	32.04%
16.0	2816.746	84.344	805.895	3.19%	35.79%
17.0	2700.506	85.918	891.814	3.25%	39.60%
18.0	2563.929	86.799	978.613	3.28%	43.46%
19.0	2422.744	86.758	1065.371	3.28%	47.31%
20.0	2275.925	85.999	1151.37	3.25%	51.13%
21.0	2140.226	84.799	1236.169	3.20%	54.89%
22.0	1998.017	83.160	1319.328	3.14%	58.59%
23.0	1864.366	81.043	1400.372	3.06%	62.19%
24.0	1738.762	78.777	1479.149	2.98%	65.68%
25.0	1604.672	76.022	1555.171	2.87%	69.06%
26.0	1461.131	72.369	1627.54	2.73%	72.27%
27.0	1280.260	67.069	1694.609	2.53%	75.25%
28.0	1210.216	63.054	1757.662	2.38%	78.05%
29.0	1098.065	60.391	1818.053	2.28%	80.73%
30.0	963.236	55.655	1873.708	2.10%	83.20%
31.0	844.443	50.305	1924.013	1.90%	85.44%
32.0	726.498	45.006	1969.019	1.70%	87.44%
33.0	599.139	39.054	2008.073	1.48%	89.17%
34.0	490.536	32.977	2041.049	1.25%	90.64%
35.0	381.303	27.076	2068.125	1.02%	91.84%
36.0	297.221	21.604	2089.73	0.82%	92.80%
37.0	245.524	17.701	2107.431	0.67%	93.58%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	185.919	14.401	2121.832	0.54%	94.22%
39.0	108.142	10.037	2131.869	0.38%	94.67%
40.0	84.016	6.702	2138.571	0.25%	94.97%
41.0	72.246	5.564	2144.135	0.21%	95.21%
42.0	63.826	4.944	2149.079	0.19%	95.43%
43.0	57.879	4.508	2153.587	0.17%	95.63%
44.0	52.253	4.157	2157.744	0.16%	95.82%
45.0	48.413	3.869	2161.613	0.15%	95.99%
46.0	45.092	3.657	2165.27	0.14%	96.15%
47.0	42.341	3.477	2168.747	0.13%	96.31%
48.0	40.154	3.335	2172.082	0.13%	96.45%
49.0	38.018	3.210	2175.292	0.12%	96.60%
50.0	36.108	3.091	2178.383	0.12%	96.73%
51.0	34.302	2.979	2181.362	0.11%	96.87%
52.0	32.626	2.872	2184.233	0.11%	96.99%
53.0	31.178	2.775	2187.009	0.10%	97.12%
54.0	29.854	2.690	2189.699	0.10%	97.24%
55.0	28.683	2.613	2192.312	0.10%	97.35%
56.0	27.586	2.543	2194.855	0.10%	97.47%
57.0	26.577	2.476	2197.331	0.09%	97.58%
58.0	25.487	2.408	2199.739	0.09%	97.68%
59.0	24.440	2.334	2202.073	0.09%	97.79%
60.0	23.394	2.260	2204.333	0.09%	97.89%
61.0	22.290	2.180	2206.513	0.08%	97.98%
62.0	21.236	2.097	2208.61	0.08%	98.08%
63.0	20.183	2.014	2210.625	0.08%	98.17%
64.0	19.225	1.934	2212.558	0.07%	98.25%
65.0	18.347	1.859	2214.418	0.07%	98.33%
66.0	17.630	1.795	2216.213	0.07%	98.41%
67.0	17.015	1.742	2217.955	0.07%	98.49%
68.0	16.328	1.689	2219.644	0.06%	98.57%
69.0	15.889	1.644	2221.287	0.06%	98.64%
70.0	15.684	1.622	2222.909	0.06%	98.71%
71.0	15.669	1.621	2224.529	0.06%	98.78%
72.0	15.728	1.633	2226.162	0.06%	98.86%
73.0	15.794	1.648	2227.81	0.06%	98.93%
74.0	15.852	1.664	2229.474	0.06%	99.00%
75.0	15.845	1.675	2231.149	0.06%	99.08%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	15.786	1.679	2232.828	0.06%	99.15%
77.0	15.662	1.677	2234.505	0.06%	99.23%
78.0	15.479	1.667	2236.172	0.06%	99.30%
79.0	15.209	1.649	2237.82	0.06%	99.37%
80.0	14.850	1.621	2239.441	0.06%	99.44%
81.0	14.353	1.579	2241.02	0.06%	99.52%
82.0	13.606	1.516	2242.536	0.06%	99.58%
83.0	12.685	1.429	2243.966	0.05%	99.65%
84.0	11.756	1.331	2245.297	0.05%	99.71%
85.0	10.856	1.234	2246.531	0.05%	99.76%
86.0	10.241	1.153	2247.684	0.04%	99.81%
87.0	9.898	1.102	2248.787	0.04%	99.86%
88.0	9.642	1.070	2249.857	0.04%	99.91%
89.0	9.466	1.047	2250.904	0.04%	99.95%
90.0	9.422	1.036	2251.94	0.04%	100.00%

Zonal flux distribution table

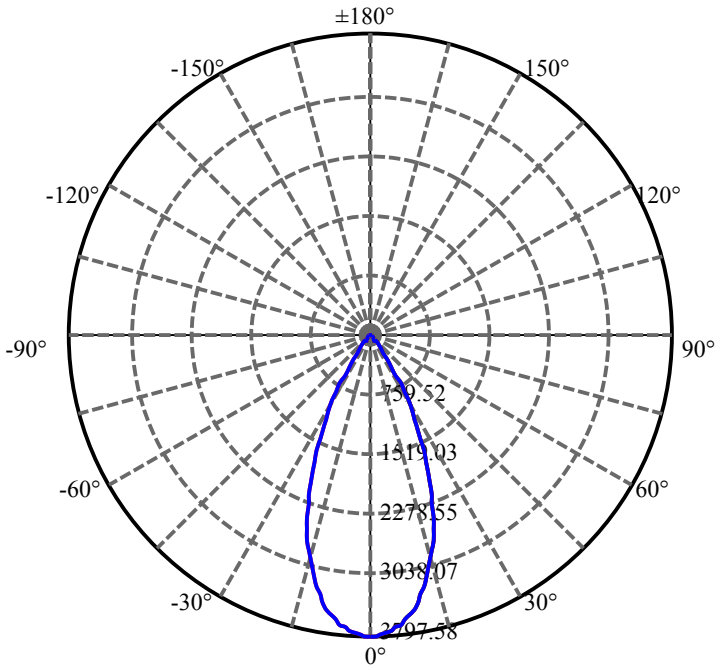
ZONAL LUMEN SUMMARY

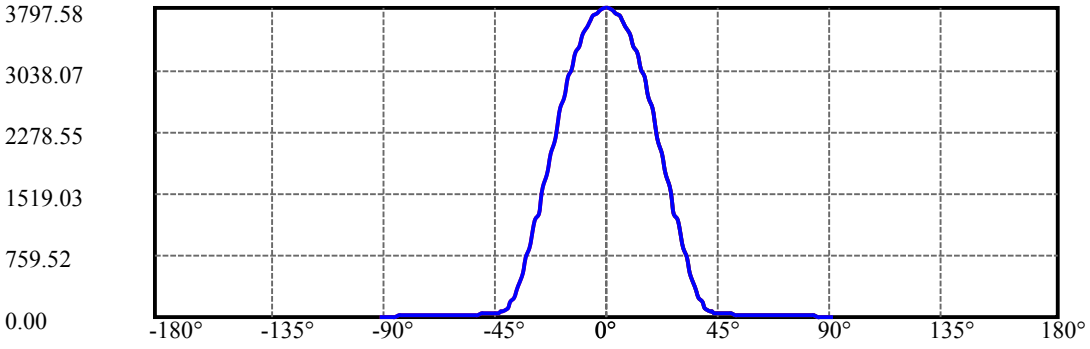
Zone	Lumens	%Lamp	%Fixt
0-30	1873.71	70.79%	83.20%
0-40	2138.57	80.79%	94.97%
0-60	2204.33	83.28%	97.89%
0-90	2250.90	85.04%	99.95%
0-120	2250.90	85.04%	99.95%
0-180	2251.94	85.08%	100.00%
60-90	46.57	1.76%	2.07%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-28.73	1801.55	68.06%	80.00%

ZONAL LUMEN SUMMARY

0-10	344.55
10-20	806.82
20-30	722.34
30-40	264.86
40-50	39.81
50-60	25.95
60-70	18.58
70-80	16.53
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):

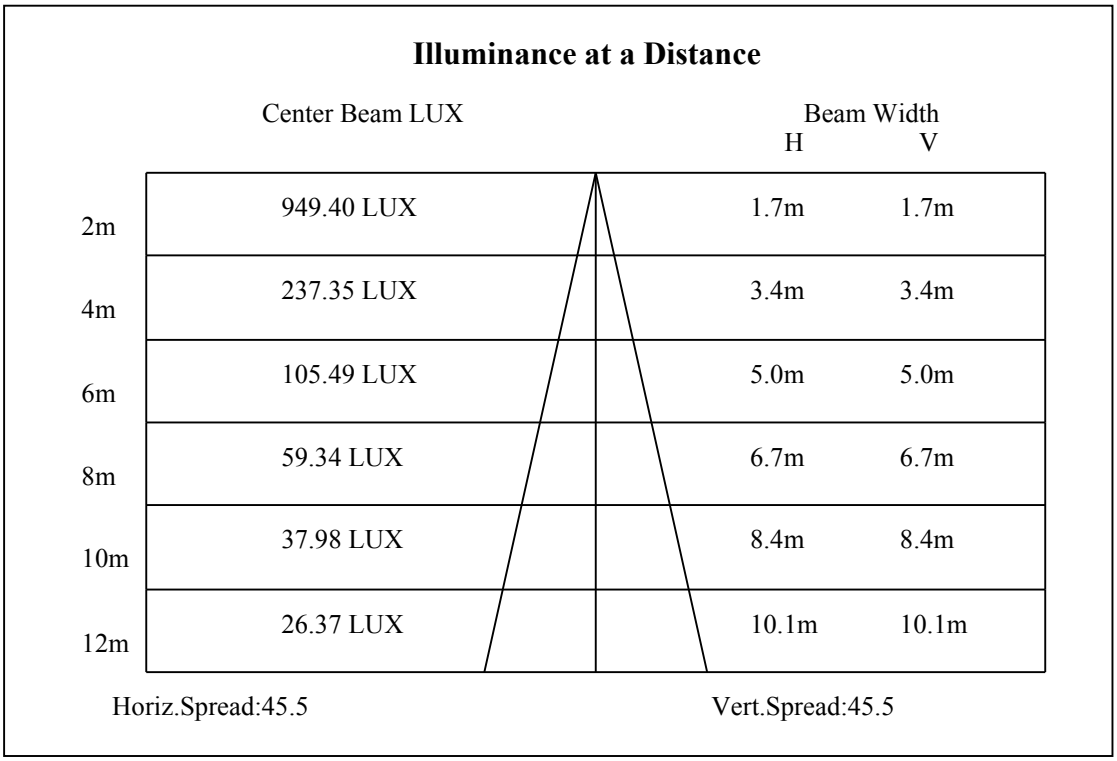
C0/C180:

C90/C270:

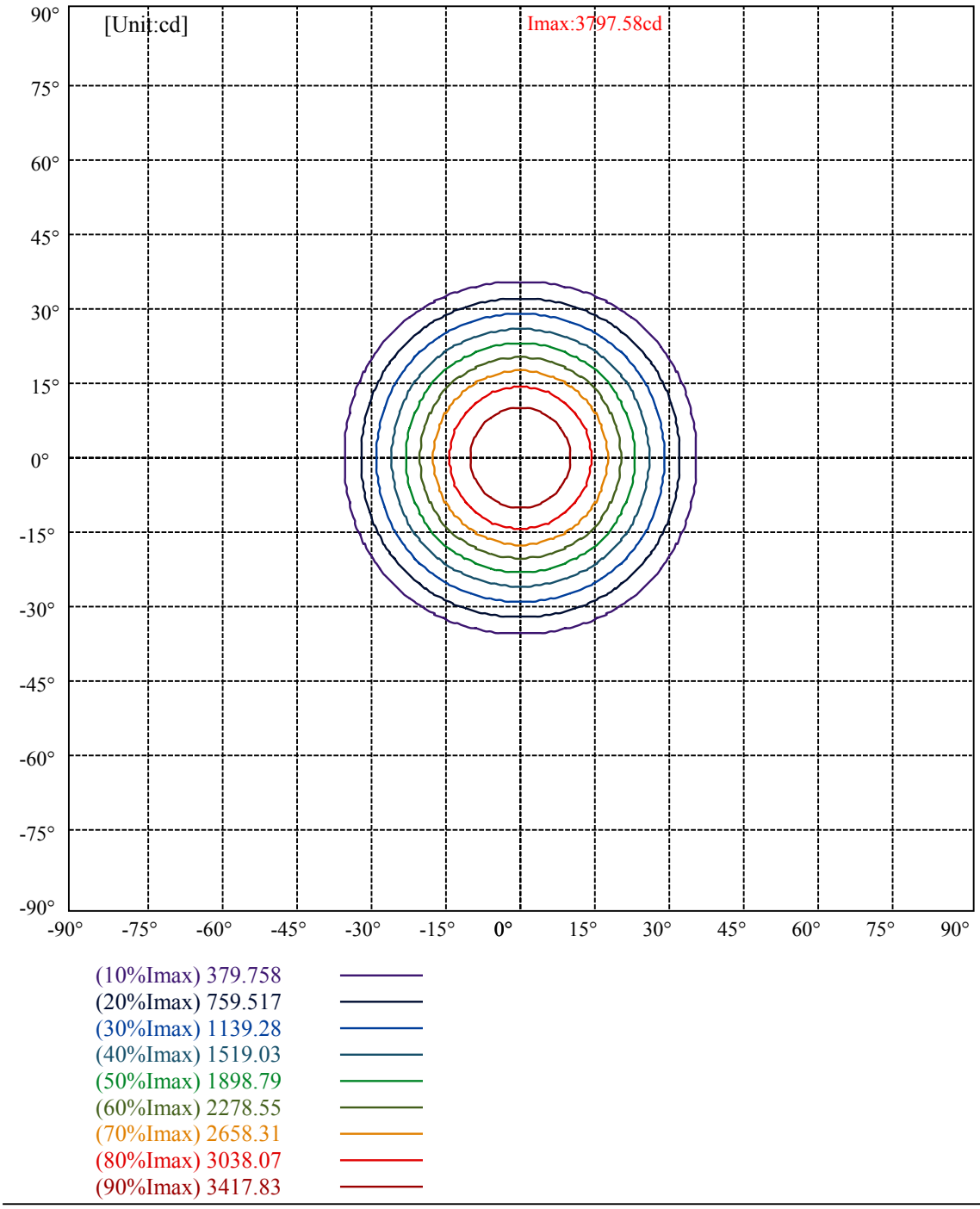
Field angle(10%Imax):C0/180Left:35.0 Right:35.0
:C90/270Left:35.0 Right:35.0

Beam Angle(50%Imax):C0/180Left:22.7 Right:22.7
:C90/270Left:22.7 Right:22.7

Lux distance Curve



ISO-Intensity(V-H)

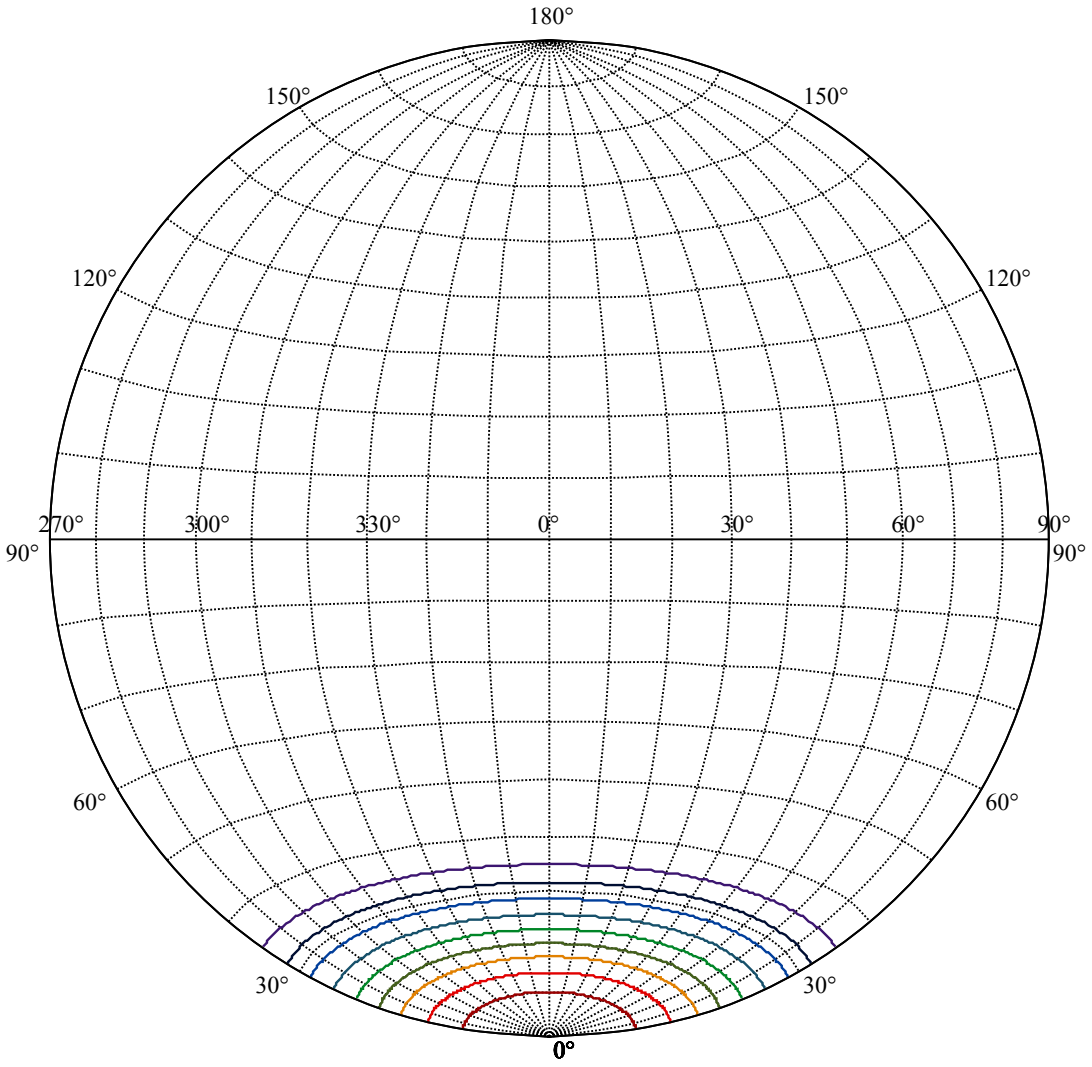


Equipment: GMS1980
Temperature(°C): 25.0

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

Operator: NT07
Distance(m): 7.65

ISO candela diagram on circular web



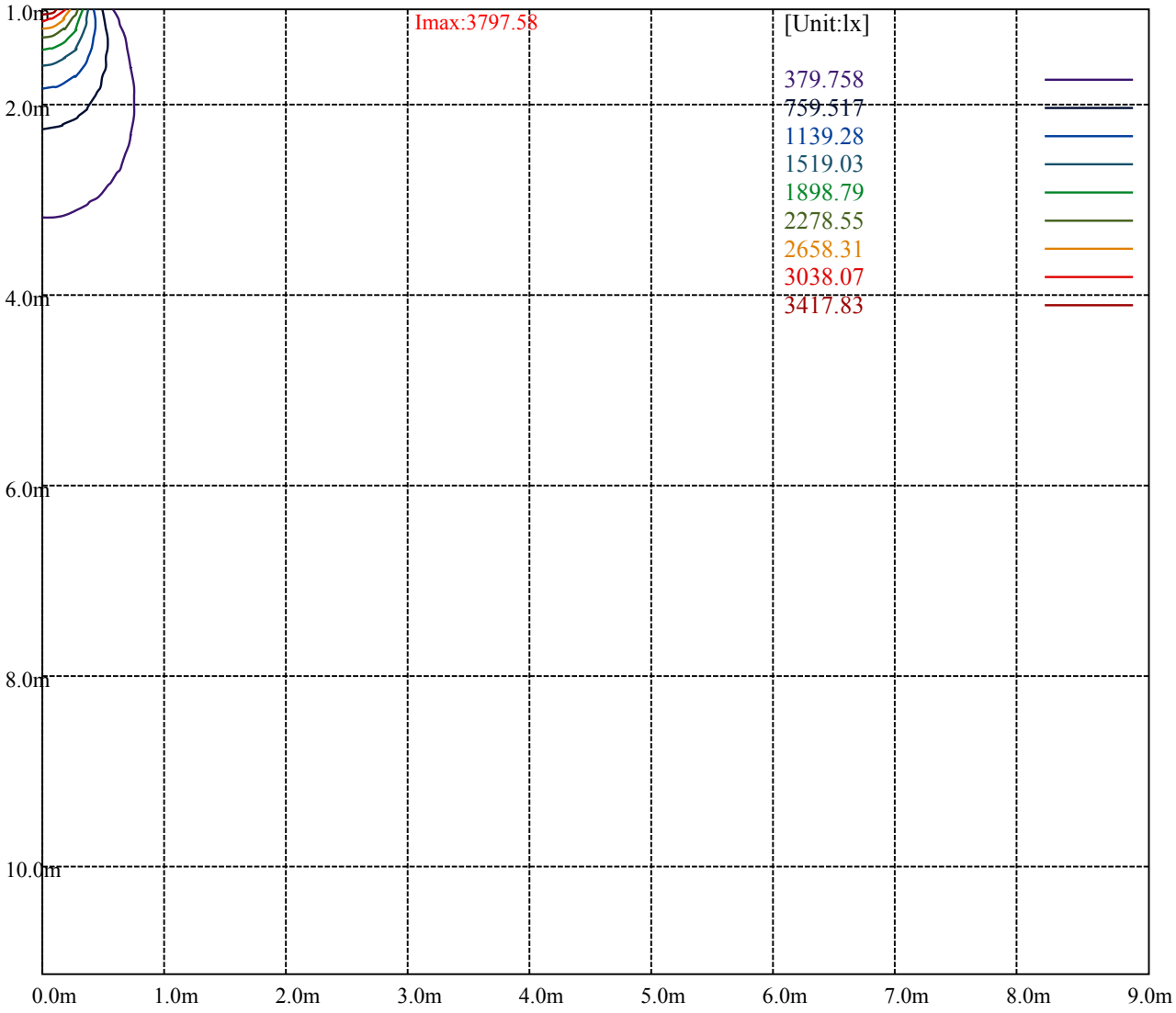
House [Unit:cd] Road

Imax:3797.58

(10%Imax) 379.758
(20%Imax) 759.517
(30%Imax) 1139.28
(40%Imax) 1519.03
(50%Imax) 1898.79
(60%Imax) 2278.55
(70%Imax) 2658.31
(80%Imax) 3038.07
(90%Imax) 3417.83

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

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 25.0

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

Operator: NT07
Distance(m): 7.65

Luminance Limitting Curve(no luminous side)

Luminance Table

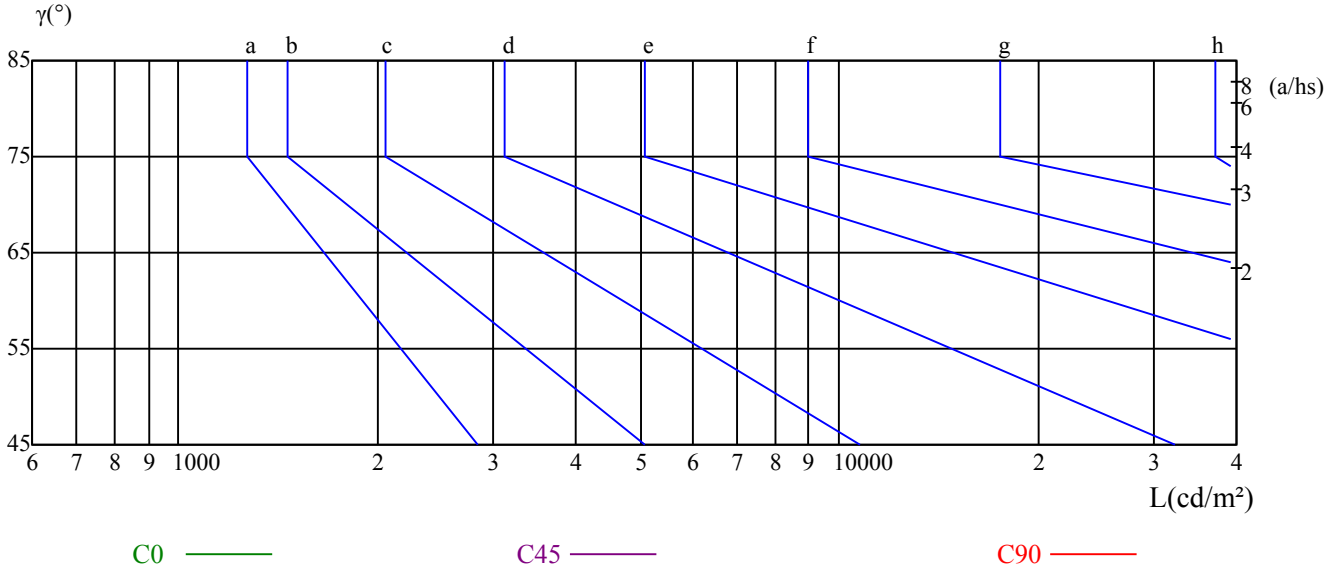
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

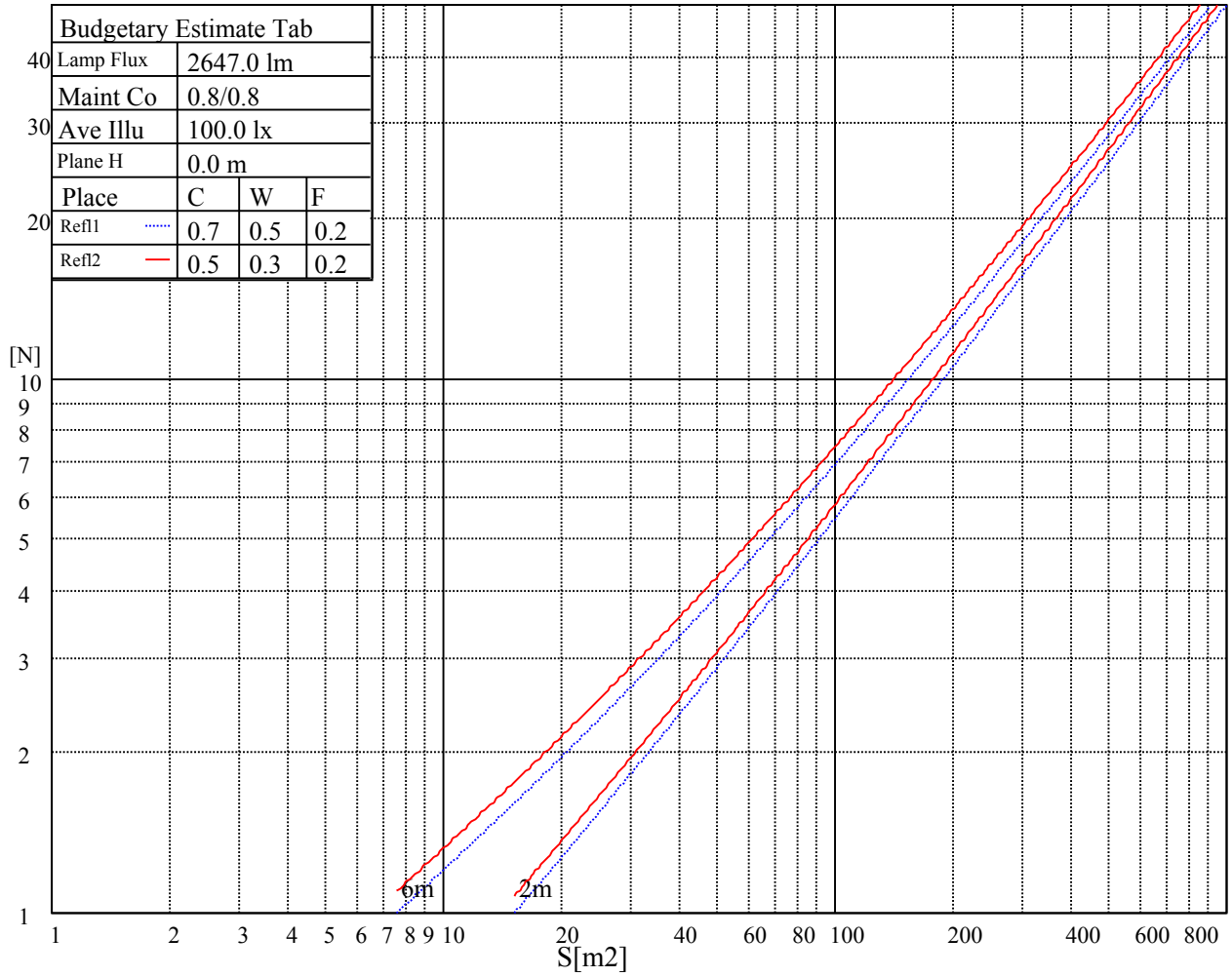
Luminance Limitting Curve



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

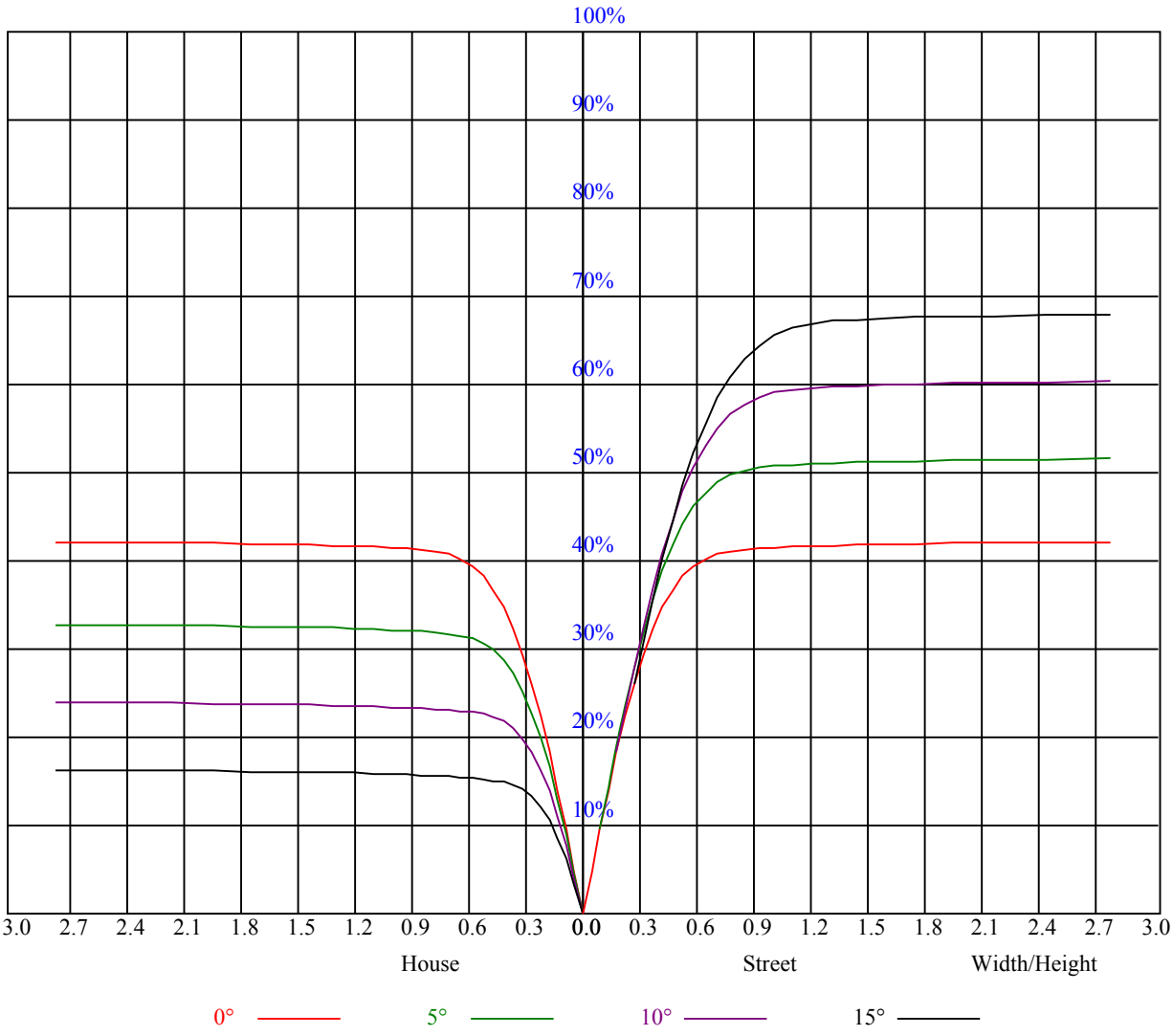


Equipment: GMS1980 Date: 2024/4/16 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

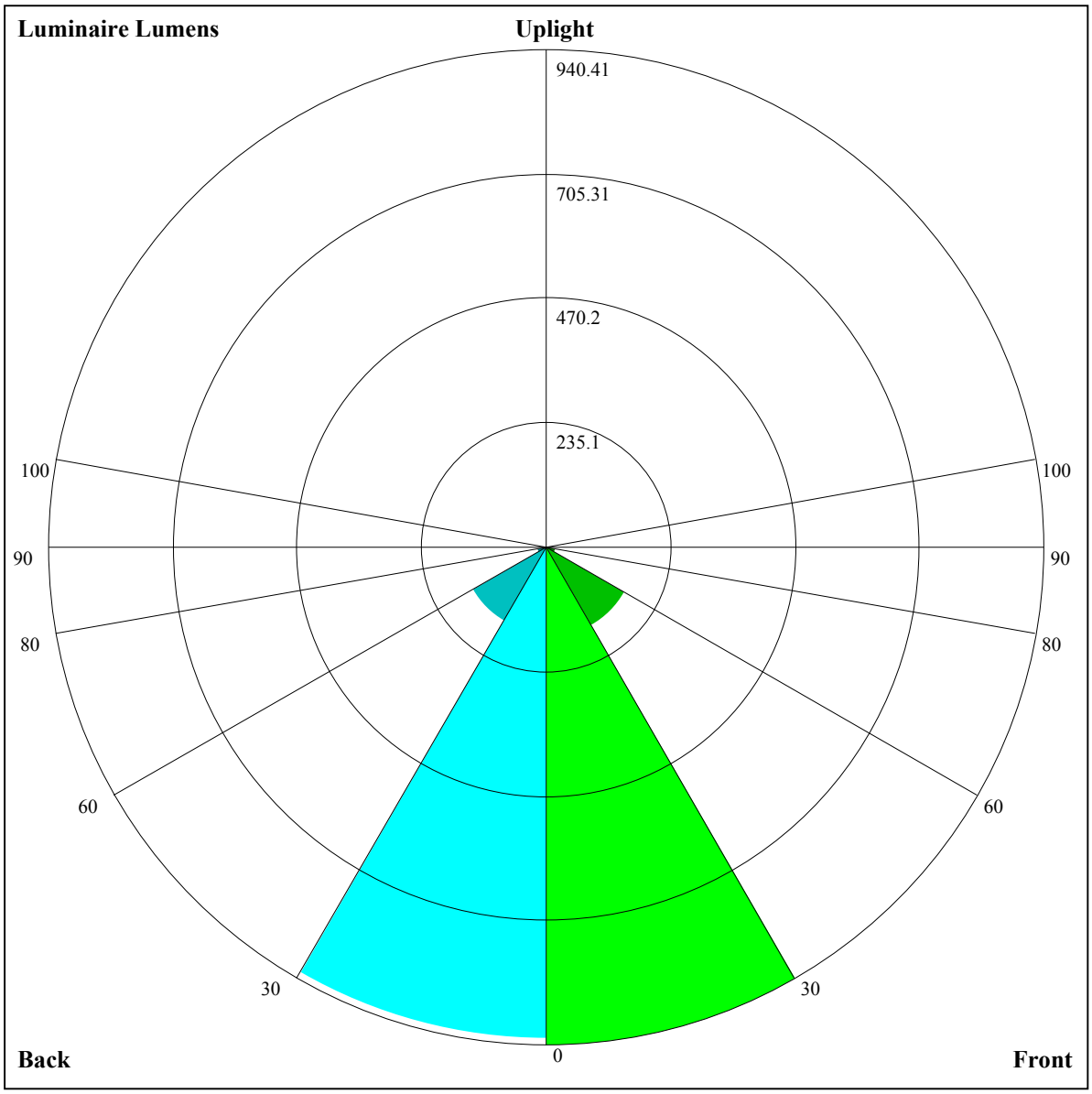
Utilization factor table for indoor luminaire

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	1.01	1.01	1.01	0.99	0.99	0.99	0.95	0.95	0.95	0.91	0.91	0.91	0.87	0.87	0.87	0.85
1	0.94	0.92	0.90	0.93	0.91	0.89	0.89	0.88	0.86	0.86	0.85	0.84	0.83	0.82	0.81	0.80
2	0.88	0.85	0.82	0.87	0.84	0.81	0.84	0.82	0.80	0.82	0.80	0.78	0.79	0.78	0.76	0.75
3	0.83	0.79	0.76	0.82	0.78	0.75	0.80	0.77	0.74	0.78	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	0.69	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	0.65	0.71	0.67	0.65	0.69	0.66	0.64	0.63
6	0.70	0.66	0.62	0.70	0.65	0.62	0.68	0.65	0.62	0.67	0.64	0.61	0.66	0.63	0.61	0.60
7	0.67	0.62	0.59	0.66	0.62	0.59	0.65	0.61	0.58	0.64	0.61	0.58	0.63	0.60	0.58	0.57
8	0.64	0.59	0.56	0.63	0.59	0.56	0.62	0.58	0.55	0.61	0.58	0.55	0.61	0.57	0.55	0.54
9	0.61	0.56	0.53	0.60	0.56	0.53	0.59	0.56	0.53	0.59	0.55	0.53	0.58	0.55	0.52	0.51
10	0.58	0.53	0.50	0.58	0.53	0.50	0.57	0.53	0.50	0.56	0.53	0.50	0.56	0.52	0.50	0.49

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=940.41,FM=171.57,FH=17.49,FVH=6.27
BL=929.3,BM=162.38,BH=17.63,BVH=6.24
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	3799.34	3790.56	3770.66	3750.18	3729.70	3692.83	3657.13	3613.82	3550.62
45.0	3800.51	3798.75	3794.07	3769.49	3752.52	3730.87	3702.19	3658.30	3619.09
90.0	3798.75	3787.05	3768.91	3757.79	3727.94	3694.00	3653.03	3612.65	3555.89
135.0	3791.73	3794.07	3787.63	3773.59	3751.94	3717.41	3681.71	3633.72	3584.56
180.0	3799.34	3800.51	3791.73	3772.42	3748.42	3706.87	3662.98	3617.33	3565.25
225.0	3800.51	3782.37	3777.69	3748.42	3709.21	3671.76	3626.70	3557.06	3493.27
270.0	3798.75	3797.58	3792.90	3778.27	3745.50	3711.56	3681.12	3634.89	3578.71
315.0	3791.73	3784.12	3754.86	3732.62	3712.73	3677.61	3630.79	3588.66	3528.38
360.0	3799.34	3790.56	3770.66	3750.18	3729.70	3692.83	3657.13	3613.82	3550.62

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	3490.34	3421.87	3342.86	3242.79	3156.76	3057.27	2956.62	2813.82	2699.70
45.0	3568.18	3514.33	3426.55	3348.72	3242.79	3150.32	3056.10	2920.33	2806.80
90.0	3477.47	3403.14	3304.24	3209.43	3121.65	2992.90	2886.97	2772.85	2648.20
135.0	3530.14	3464.01	3371.54	3288.44	3199.48	3105.85	2980.61	2876.44	2764.08
180.0	3482.15	3414.26	3333.50	3250.98	3135.11	3040.30	2916.82	2810.89	2700.87
225.0	3417.77	3321.21	3242.21	3150.32	3057.86	2929.69	2823.77	2709.07	2588.51
270.0	3520.19	3451.13	3373.30	3272.64	3187.78	3091.22	2988.80	2864.15	2751.79
315.0	3468.69	3376.22	3304.24	3212.36	3125.75	3005.77	2905.70	2766.42	2644.11
360.0	3490.34	3421.87	3342.86	3242.79	3156.76	3057.27	2956.62	2813.82	2699.70

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2543.45	2411.19	2280.10	2119.16	1987.48	1868.10	1749.30	1610.60	1498.82
45.0	2688.00	2562.17	2401.24	2274.24	2143.74	2013.82	1858.15	1738.18	1621.72
90.0	2489.61	2360.86	2229.18	2101.60	1935.40	1810.16	1691.94	1542.71	1426.25
135.0	2644.11	2487.85	2329.84	2192.31	2055.37	1926.03	1800.21	1651.56	1535.69
180.0	2576.80	2405.92	2276.58	2144.32	1981.05	1844.69	1721.79	1581.34	1454.34
225.0	2426.99	2297.07	2130.28	1993.92	1871.02	1721.79	1602.40	1484.19	1150.49
270.0	2625.38	2497.80	2334.52	2204.60	2043.66	1914.91	1787.34	1642.20	1529.84
315.0	2517.11	2359.10	2225.67	2091.65	1966.41	1815.43	1698.97	1586.60	1471.90
360.0	2543.45	2411.19	2280.10	2119.16	1987.48	1868.10	1749.30	1610.60	1498.82

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1166.88	1166.88	1107.42	986.69	870.05	754.12	617.30	508.56	389.47
45.0	1473.66	1356.02	1234.88	1084.48	968.02	849.81	707.60	595.23	489.31
90.0	1146.57	1146.57	1026.78	879.59	766.35	652.47	544.49	441.20	324.80
135.0	1412.21	1258.29	1134.81	1014.25	898.38	757.34	645.56	510.37	410.30
180.0	1337.30	1217.91	1087.41	940.52	821.13	716.37	581.19	478.77	366.99
225.0	1150.49	1091.09	968.14	852.32	711.69	601.67	497.32	400.12	294.72
270.0	1407.52	1297.50	1139.49	1014.84	901.31	779.58	636.78	529.69	427.86
315.0	1147.45	1147.45	1085.59	933.20	818.61	700.63	562.87	460.34	346.98
360.0	1166.88	1166.88	1107.42	986.69	870.05	754.12	617.30	508.56	389.47

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	304.90	231.16	154.79	112.89	88.60	76.31	65.78	59.28	54.07
45.0	392.74	306.72	306.72	147.77	106.86	80.18	70.93	63.61	56.42
90.0	245.56	178.44	126.58	89.77	76.25	67.83	59.58	54.48	50.27
135.0	321.93	300.28	208.16	110.20	82.40	73.50	65.95	60.22	52.14
180.0	306.13	306.13	147.94	97.15	79.01	70.29	61.51	56.24	50.97
225.0	222.62	147.83	105.81	82.75	70.11	62.50	57.00	52.14	47.64
270.0	317.25	296.77	296.77	121.61	89.01	76.66	66.13	60.22	55.01
315.0	266.63	196.87	140.57	103.00	79.88	70.70	63.73	56.83	51.50
360.0	304.90	231.16	154.79	112.89	88.60	76.31	65.78	59.28	54.07

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	50.10	45.94	43.25	40.97	38.45	36.58	34.82	32.77	31.37
45.0	51.44	47.93	44.36	41.90	39.97	37.51	35.76	34.12	32.30
90.0	46.00	43.25	40.50	38.57	36.69	35.00	33.07	31.66	30.37
135.0	48.57	45.53	42.96	40.79	38.45	36.58	34.47	32.95	31.60
180.0	47.52	43.95	41.55	39.62	37.34	35.64	34.06	32.25	30.96
225.0	44.65	42.14	39.97	37.63	35.93	34.29	32.42	31.13	29.96
270.0	50.91	46.70	43.89	41.67	39.68	37.34	35.64	33.88	31.95
315.0	48.11	45.30	42.25	40.09	37.63	35.93	34.18	32.25	30.90
360.0	50.10	45.94	43.25	40.97	38.45	36.58	34.82	32.77	31.37

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	29.85	28.68	27.62	26.57	25.28	24.23	23.23	22.18	20.89
45.0	30.96	29.73	28.62	27.33	26.34	25.34	24.29	23.06	21.95
90.0	29.20	27.92	26.86	25.93	24.70	23.70	22.71	21.42	20.42
135.0	30.02	28.91	27.97	27.04	25.81	24.87	23.94	22.65	21.65
180.0	29.79	28.56	27.56	26.63	25.69	24.46	23.58	22.59	21.59
225.0	28.62	27.56	26.51	25.57	24.58	23.64	22.41	21.42	20.48
270.0	30.67	29.50	28.21	27.27	26.28	25.05	24.05	23.06	22.06
315.0	29.73	28.62	27.33	26.28	25.22	24.23	22.94	21.95	20.83
360.0	29.85	28.68	27.62	26.57	25.28	24.23	23.23	22.18	20.89

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	19.96	19.08	18.26	17.44	16.85	16.04	15.63	15.45	15.45
45.0	20.72	19.84	18.96	17.97	17.38	16.74	16.09	15.63	15.45
90.0	19.55	18.43	17.73	17.15	16.50	15.86	15.63	15.51	15.57
135.0	20.60	19.72	18.67	18.02	17.44	16.62	16.09	15.80	15.80
180.0	20.37	19.49	18.43	17.79	17.21	16.44	15.98	15.92	15.92
225.0	19.61	18.55	17.85	17.26	16.68	16.04	15.86	15.80	15.86
270.0	20.78	19.90	19.02	18.20	17.38	16.85	16.21	15.80	15.74
315.0	19.90	18.79	17.85	17.21	16.68	16.04	15.63	15.57	15.57
360.0	19.96	19.08	18.26	17.44	16.85	16.04	15.63	15.45	15.45

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	15.51	15.51	15.57	15.51	15.39	15.33	15.16	14.92	14.57
45.0	15.45	15.51	15.57	15.63	15.63	15.57	15.45	15.27	14.98
90.0	15.68	15.80	15.80	15.80	15.74	15.57	15.22	14.92	14.51
135.0	15.86	15.92	16.04	16.09	16.04	15.98	15.74	15.51	15.22
180.0	16.04	16.09	16.15	16.15	16.04	15.86	15.74	15.45	15.04
225.0	15.92	16.09	16.09	16.04	15.98	15.74	15.57	15.22	14.81
270.0	15.74	15.74	15.86	15.86	15.80	15.68	15.57	15.27	15.04
315.0	15.63	15.68	15.74	15.68	15.68	15.57	15.39	15.10	14.63
360.0	15.51	15.51	15.57	15.51	15.39	15.33	15.16	14.92	14.57

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	14.16	13.46	12.64	11.88	10.94	10.30	9.95	9.66	9.48
45.0	14.63	13.81	13.28	12.64	11.53	10.77	10.24	9.95	9.60
90.0	13.93	13.17	12.35	11.35	10.71	10.24	9.89	9.54	9.42
135.0	14.81	14.16	13.11	12.06	11.12	10.30	9.95	9.71	9.54
180.0	14.57	13.69	12.52	11.59	10.65	10.07	9.83	9.60	9.42
225.0	13.99	13.05	11.88	11.06	10.36	9.89	9.71	9.48	9.42
270.0	14.57	14.05	13.23	12.00	11.00	10.36	9.89	9.66	9.48
315.0	14.16	13.46	12.47	11.47	10.53	10.01	9.71	9.54	9.36
360.0	14.16	13.46	12.64	11.88	10.94	10.30	9.95	9.66	9.48

Intensity data(cd)

C/γ(°)	90.0
0.0	9.42
45.0	9.48
90.0	9.48
135.0	9.42
180.0	9.42
225.0	9.42
270.0	9.36
315.0	9.36
360.0	9.42