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

NT

Client:
LumCAT: 3-2805-L
Luminaire: 92.70.429.00
Report No: 2024411-B012
Ballast type: AC

Test No: 2024411-C012	Voltage(V): 34.780
LampCAT: CREE CXA1830 LES14	Current(A): 0.530
Lamp flux(lm): 2685.0	Power (W): 18.433
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 2343.78, Efficiency(%): 87.29% , Luminous Efficacy(lm/W): 127.15
Central intensity(cd): 10590.290, Maximum intensity(cd): 10590.290
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=17.4
[C90/270]Total=17.4
Field angle(10%Imax): [C0/180]Total=52.4
[C90/270]Total=52.4
Maximum s/h(1/2): C0_180=0.30 C90_270=0.30
Maximum s/h(1/4): C0_180=0.37 C90_270=0.37
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 87.29%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 97.700%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	10590.290	0.000	0	0.00%	0.00%
1.0	10471.270	10.078	10.078	0.38%	0.43%
2.0	10116.477	29.549	39.627	1.10%	1.69%
3.0	9589.629	47.131	86.758	1.76%	3.70%
4.0	8894.893	61.874	148.631	2.30%	6.34%
5.0	8192.623	73.510	222.141	2.74%	9.48%
6.0	7313.615	81.489	303.63	3.03%	12.95%
7.0	6538.777	85.982	389.612	3.20%	16.62%
8.0	5759.404	88.016	477.628	3.28%	20.38%
9.0	5101.392	88.021	565.648	3.28%	24.13%
10.0	4573.592	87.555	653.203	3.26%	27.87%
11.0	4136.356	87.030	740.234	3.24%	31.58%
12.0	3749.815	86.207	826.441	3.21%	35.26%
13.0	3429.989	85.206	911.647	3.17%	38.90%
14.0	3133.792	84.016	995.663	3.13%	42.48%
15.0	2880.243	82.563	1078.226	3.07%	46.00%
16.0	2632.913	80.783	1159.009	3.01%	49.45%
17.0	2424.573	78.759	1237.768	2.93%	52.81%
18.0	2231.156	76.763	1314.531	2.86%	56.09%
19.0	2059.758	74.653	1389.184	2.78%	59.27%
20.0	1902.771	72.525	1461.709	2.70%	62.37%
21.0	1761.293	70.357	1532.067	2.62%	65.37%
22.0	1622.010	67.989	1600.056	2.53%	68.27%
23.0	1417.386	63.775	1663.83	2.38%	70.99%
24.0	1277.049	58.910	1722.74	2.19%	73.50%
25.0	1194.437	56.196	1778.937	2.09%	75.90%
26.0	1078.584	53.655	1832.591	2.00%	78.19%
27.0	985.841	50.507	1883.098	1.88%	80.34%
28.0	908.357	47.957	1931.055	1.79%	82.39%
29.0	825.950	45.374	1976.429	1.69%	84.33%
30.0	729.841	42.006	2018.436	1.56%	86.12%
31.0	630.777	37.864	2056.3	1.41%	87.73%
32.0	529.336	33.236	2089.535	1.24%	89.15%
33.0	431.589	28.309	2117.845	1.05%	90.36%
34.0	338.450	23.304	2141.148	0.87%	91.35%
35.0	260.966	18.616	2159.764	0.69%	92.15%
36.0	225.963	15.504	2175.268	0.58%	92.81%
37.0	139.049	11.905	2187.173	0.44%	93.32%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	99.569	7.965	2195.137	0.30%	93.66%
39.0	89.591	6.457	2201.594	0.24%	93.93%
40.0	84.053	6.056	2207.65	0.23%	94.19%
41.0	79.027	5.807	2213.457	0.22%	94.44%
42.0	74.185	5.566	2219.024	0.21%	94.68%
43.0	68.881	5.300	2224.323	0.20%	94.90%
44.0	64.360	5.029	2229.352	0.19%	95.12%
45.0	60.168	4.786	2234.138	0.18%	95.32%
46.0	56.423	4.560	2238.697	0.17%	95.52%
47.0	53.080	4.355	2243.053	0.16%	95.70%
48.0	50.234	4.176	2247.229	0.16%	95.88%
49.0	47.557	4.016	2251.245	0.15%	96.05%
50.0	45.304	3.872	2255.117	0.14%	96.22%
51.0	43.277	3.748	2258.864	0.14%	96.38%
52.0	41.734	3.648	2262.512	0.14%	96.53%
53.0	40.483	3.576	2266.089	0.13%	96.69%
54.0	39.430	3.522	2269.611	0.13%	96.84%
55.0	38.661	3.486	2273.097	0.13%	96.98%
56.0	37.959	3.462	2276.559	0.13%	97.13%
57.0	37.242	3.438	2279.997	0.13%	97.28%
58.0	36.152	3.394	2283.391	0.13%	97.42%
59.0	34.558	3.306	2286.697	0.12%	97.56%
60.0	32.685	3.177	2289.874	0.12%	97.70%
61.0	30.461	3.013	2292.887	0.11%	97.83%
62.0	28.201	2.827	2295.714	0.11%	97.95%
63.0	25.348	2.604	2298.318	0.10%	98.06%
64.0	23.460	2.395	2300.713	0.09%	98.16%
65.0	21.456	2.223	2302.936	0.08%	98.26%
66.0	19.861	2.061	2304.998	0.08%	98.35%
67.0	18.756	1.942	2306.939	0.07%	98.43%
68.0	17.857	1.855	2308.794	0.07%	98.51%
69.0	17.242	1.791	2310.585	0.07%	98.58%
70.0	16.737	1.745	2312.33	0.06%	98.66%
71.0	16.342	1.710	2314.04	0.06%	98.73%
72.0	16.328	1.699	2315.738	0.06%	98.80%
73.0	16.796	1.732	2317.471	0.06%	98.88%
74.0	17.476	1.802	2319.272	0.07%	98.95%
75.0	18.259	1.888	2321.16	0.07%	99.03%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	18.603	1.957	2323.117	0.07%	99.12%
77.0	18.515	1.979	2325.096	0.07%	99.20%
78.0	18.230	1.967	2327.063	0.07%	99.29%
79.0	17.469	1.918	2328.981	0.07%	99.37%
80.0	16.452	1.829	2330.81	0.07%	99.45%
81.0	15.179	1.711	2332.521	0.06%	99.52%
82.0	13.350	1.547	2334.068	0.06%	99.59%
83.0	12.217	1.390	2335.458	0.05%	99.64%
84.0	11.770	1.307	2336.764	0.05%	99.70%
85.0	11.324	1.260	2338.025	0.05%	99.75%
86.0	10.834	1.211	2339.236	0.05%	99.81%
87.0	10.541	1.170	2340.406	0.04%	99.86%
88.0	10.337	1.144	2341.549	0.04%	99.90%
89.0	10.132	1.122	2342.671	0.04%	99.95%
90.0	10.095	1.109	2343.78	0.04%	100.00%

Zonal flux distribution table

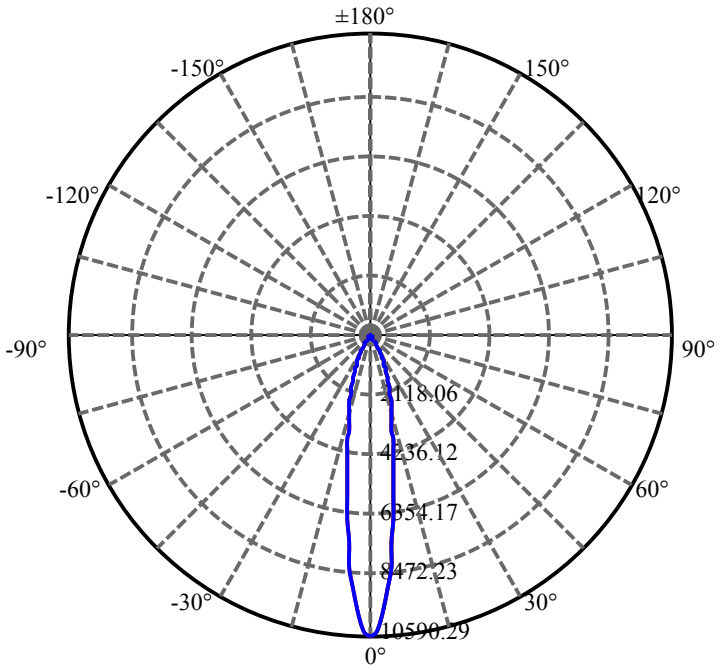
ZONAL LUMEN SUMMARY

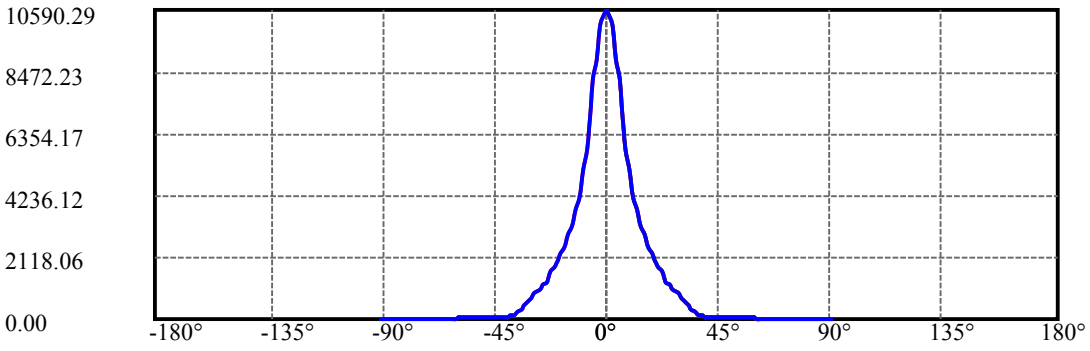
Zone	Lumens	%Lamp	%Fixt
0-30	2018.44	75.17%	86.12%
0-40	2207.65	82.22%	94.19%
0-60	2289.87	85.28%	97.70%
0-90	2342.67	87.25%	99.95%
0-120	2342.67	87.25%	99.95%
0-180	2343.78	87.29%	100.00%
60-90	52.80	1.97%	2.25%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-26.84	1875.02	69.83%	80.00%

ZONAL LUMEN SUMMARY

0-10	653.20
10-20	808.51
20-30	556.73
30-40	189.21
40-50	47.47
50-60	34.76
60-70	22.46
70-80	18.48
80-90	11.86
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):

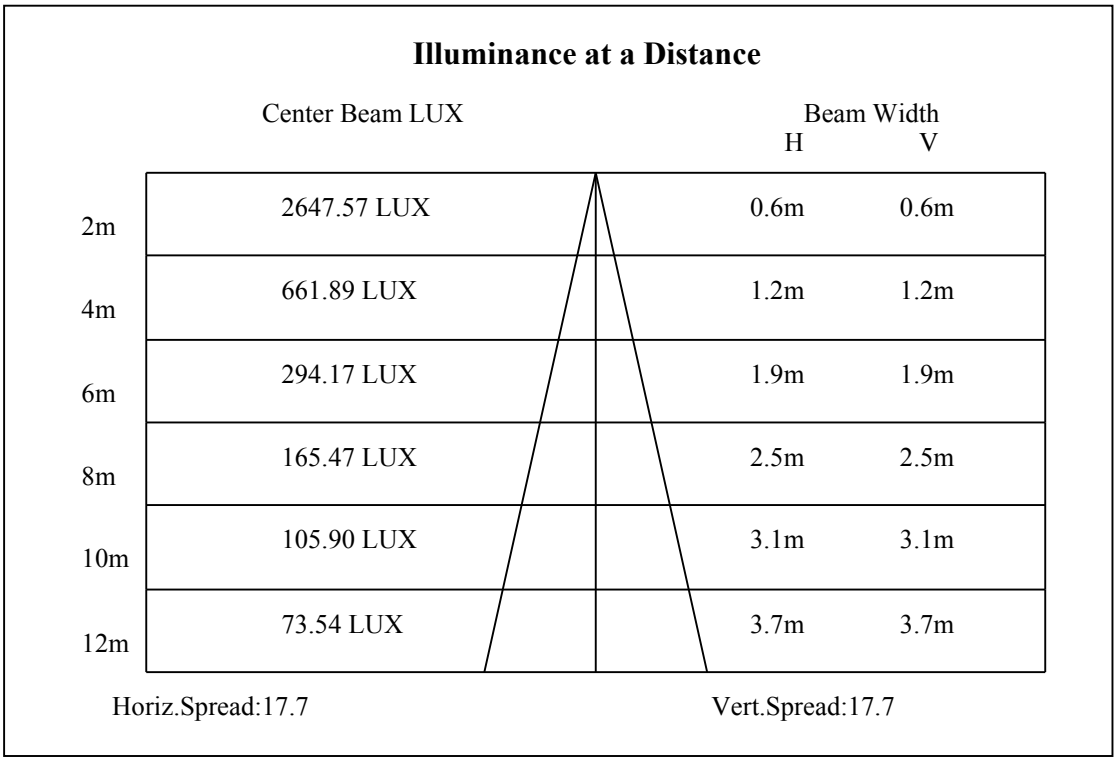
C0/C180:

C90/C270:

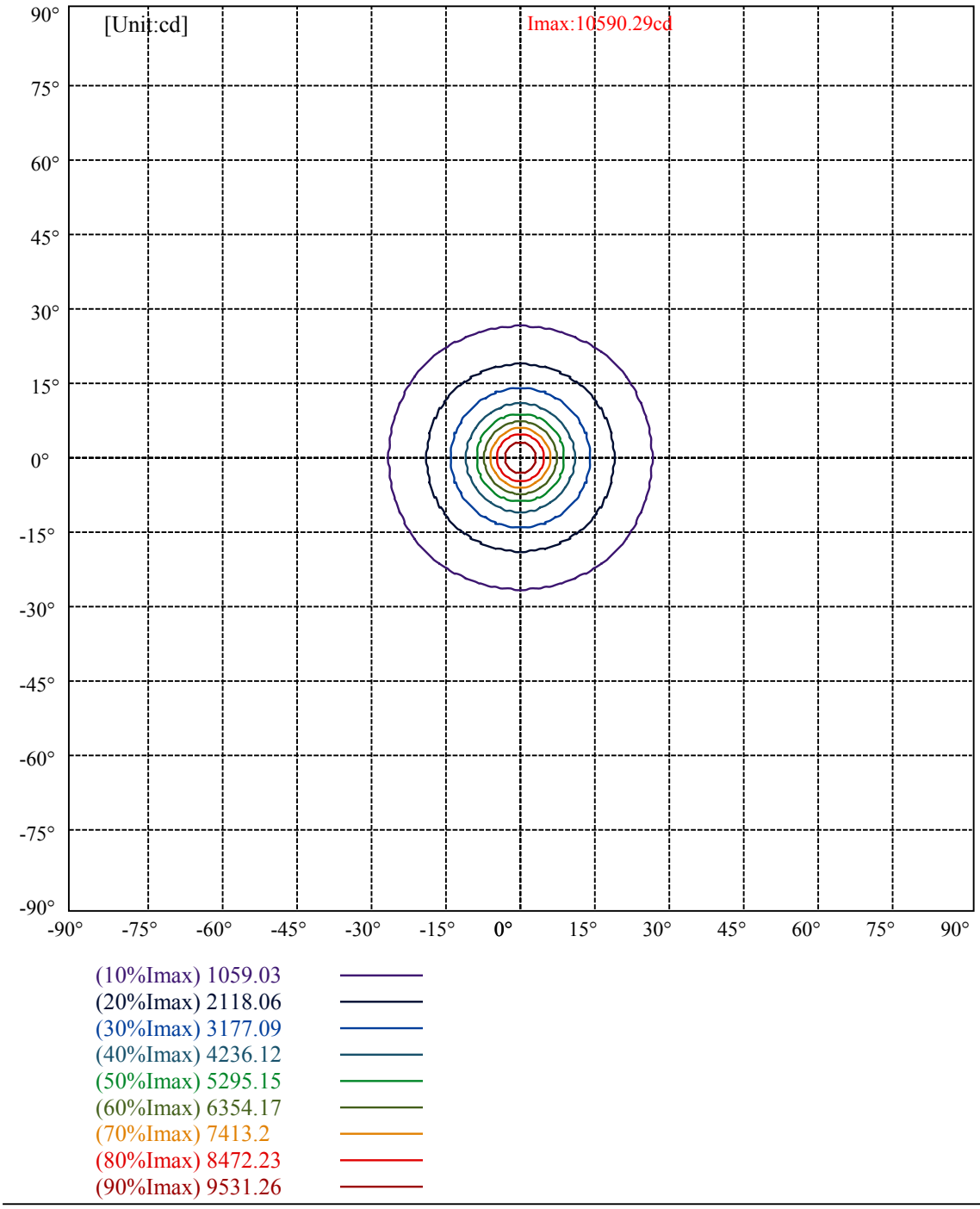
Field angle(10%Imax):C0/180Left:26.2 Right:26.2
:C90/270Left:26.2 Right:26.2

Beam Angle(50%Imax):C0/180Left:8.7 Right:8.7
:C90/270Left:8.7 Right:8.7

Lux distance Curve



ISO-Intensity(V-H)

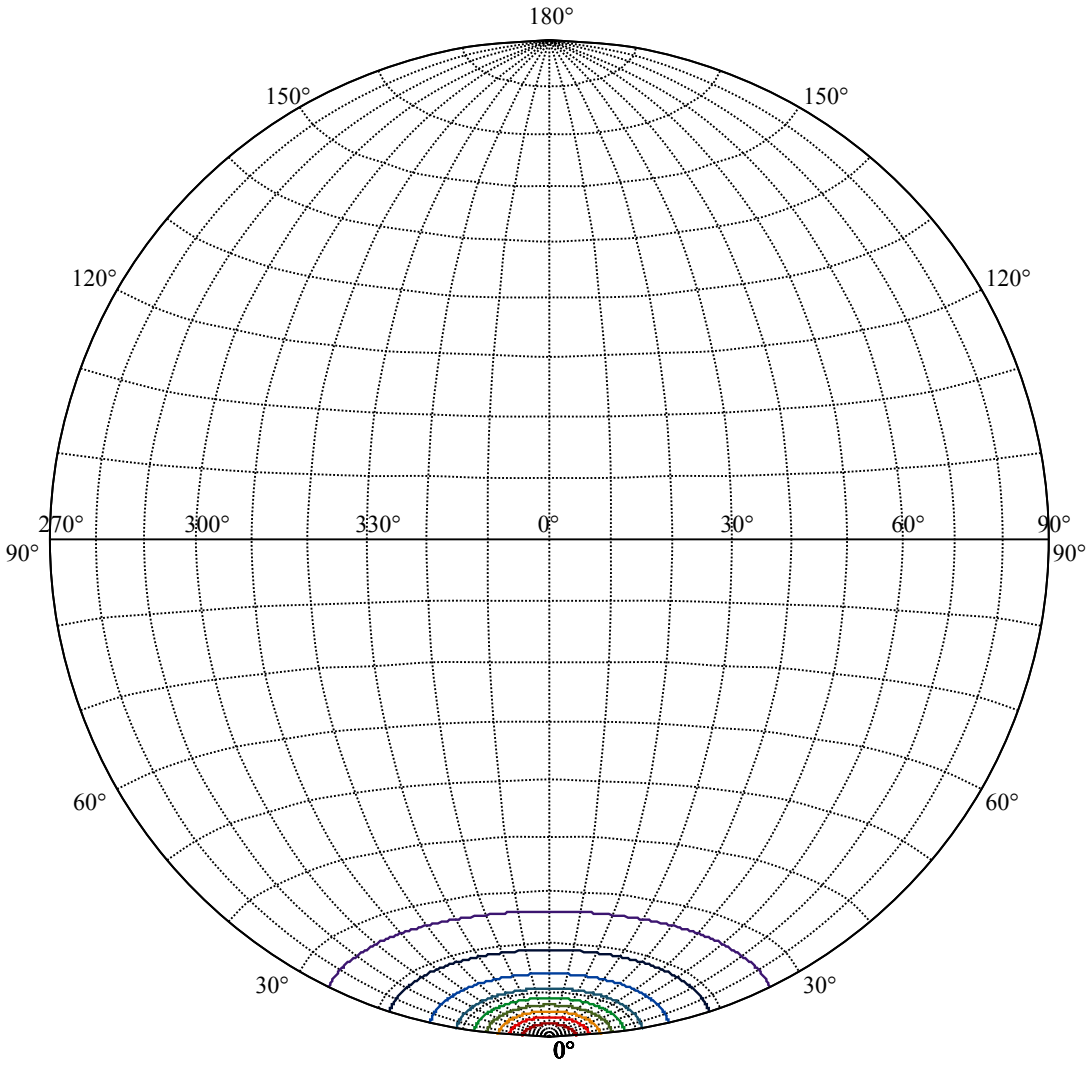


Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/4/11
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

ISO candela diagram on circular web



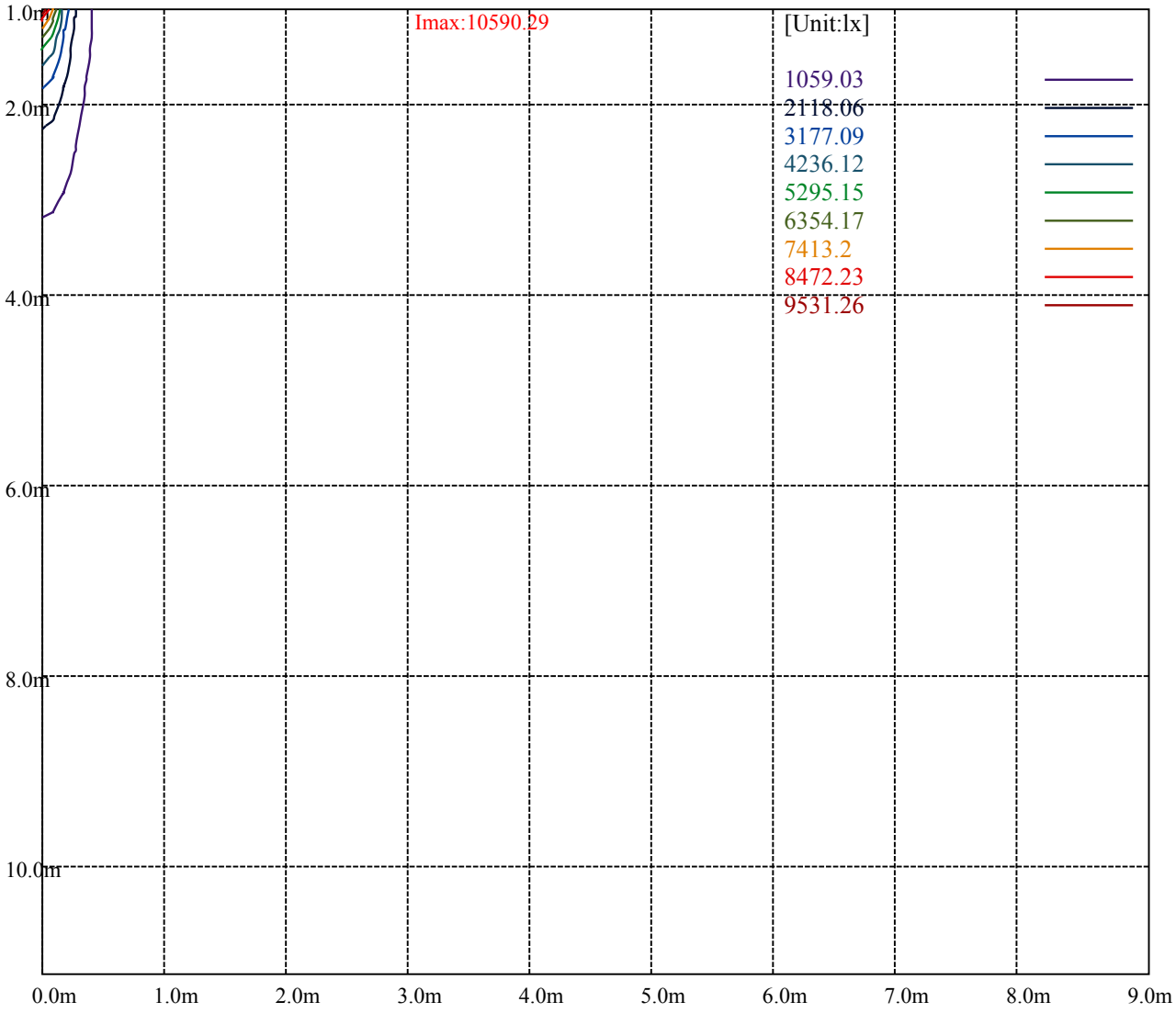
House [Unit:cd] Road

Imax:10590.29

(10%Imax) 1059.03
(20%Imax) 2118.06
(30%Imax) 3177.09
(40%Imax) 4236.12
(50%Imax) 5295.15
(60%Imax) 6354.17
(70%Imax) 7413.2
(80%Imax) 8472.23
(90%Imax) 9531.26

Equipment: GMS1980 Date: 2024/4/11 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/4/11
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

Luminance Limitting Curve(no luminous side)

Luminance Table

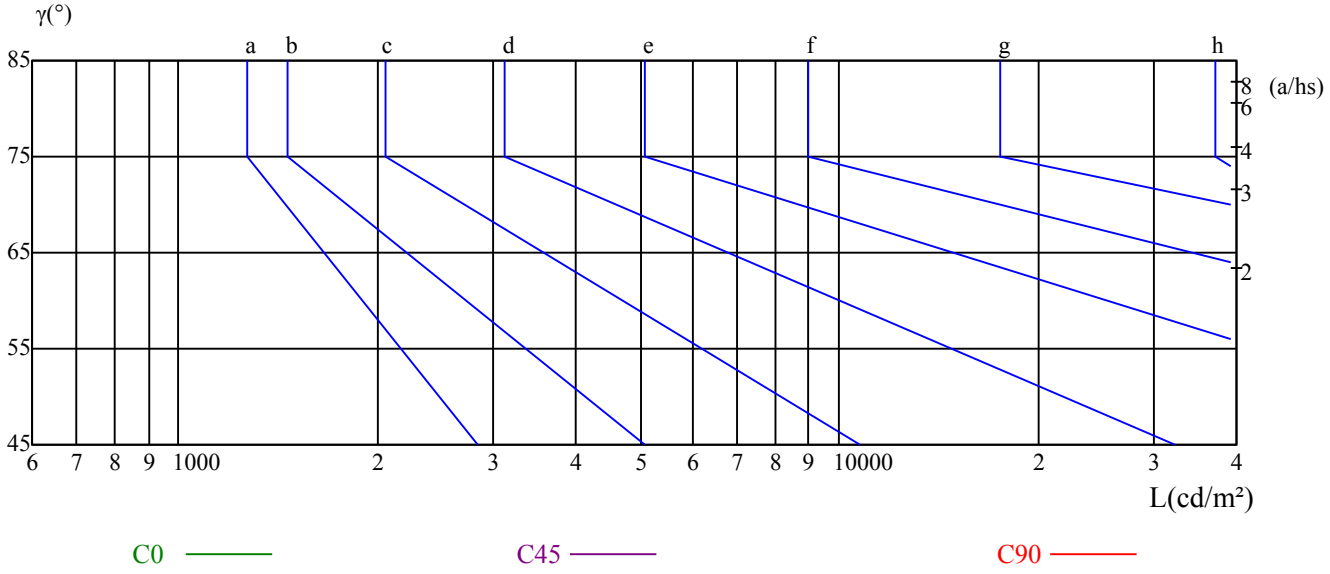
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

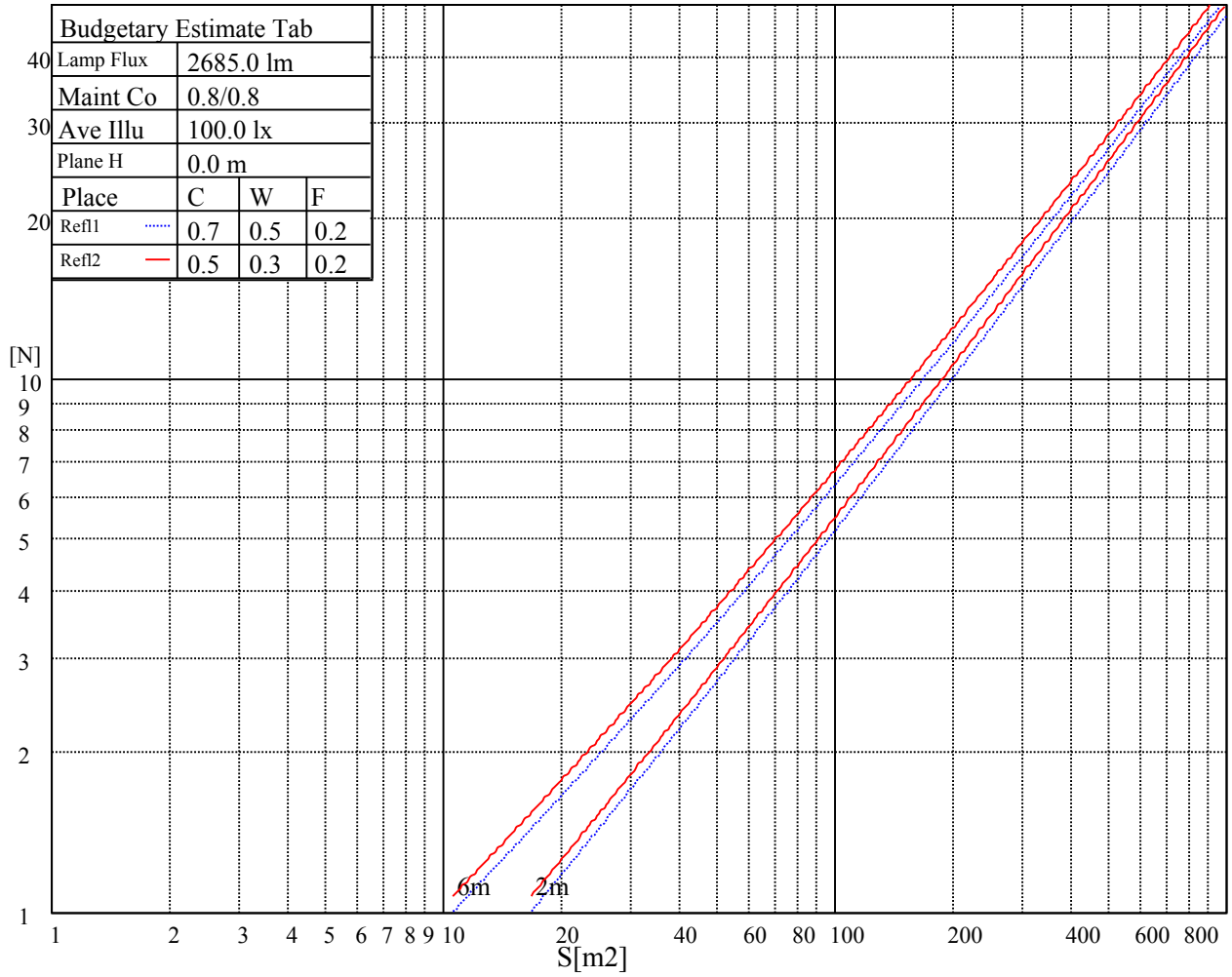
Luminance Limitting Curve



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

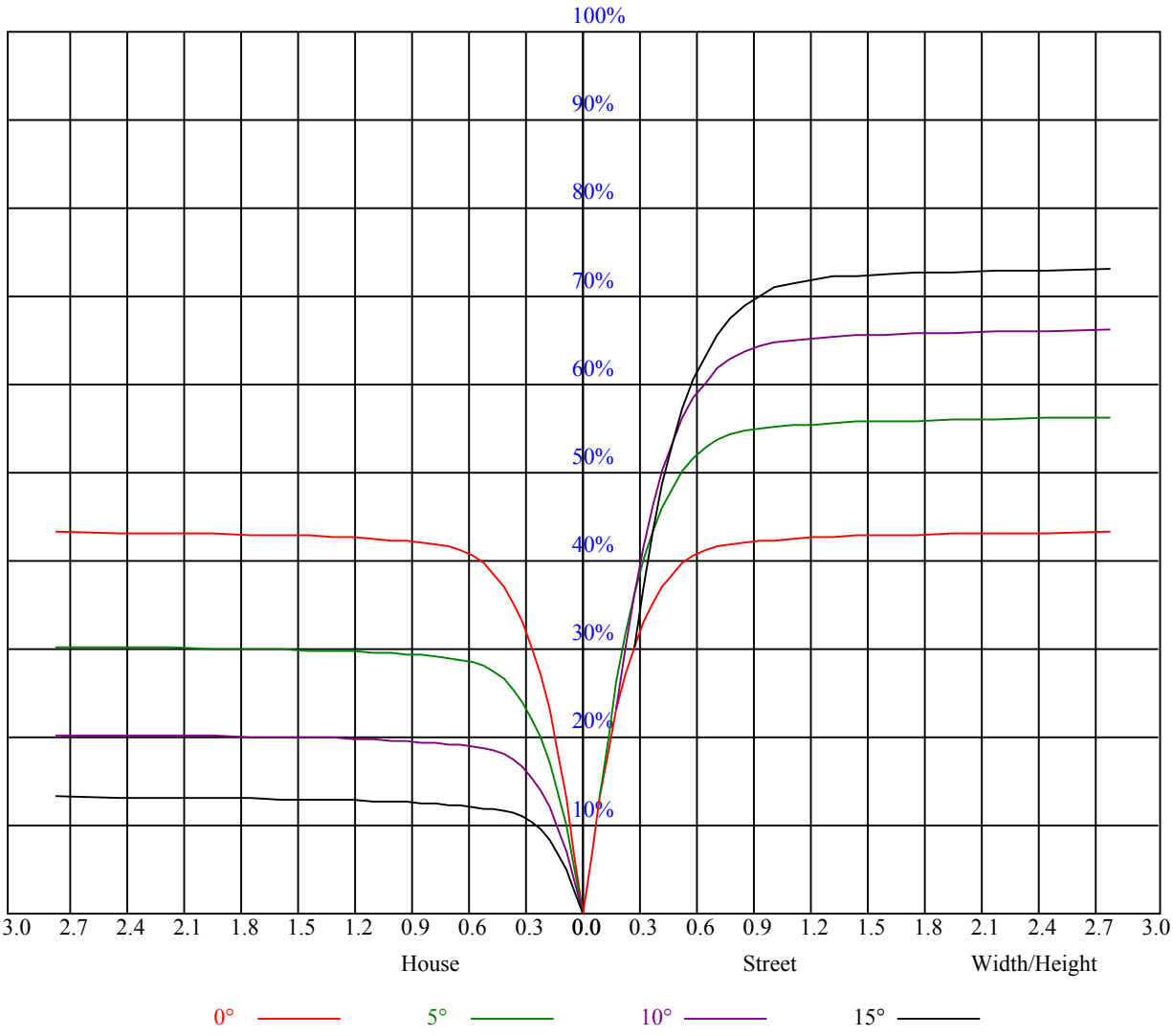


Equipment: GMS1980 Date: 2024/4/11 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

Utilization factor table for indoor luminaire

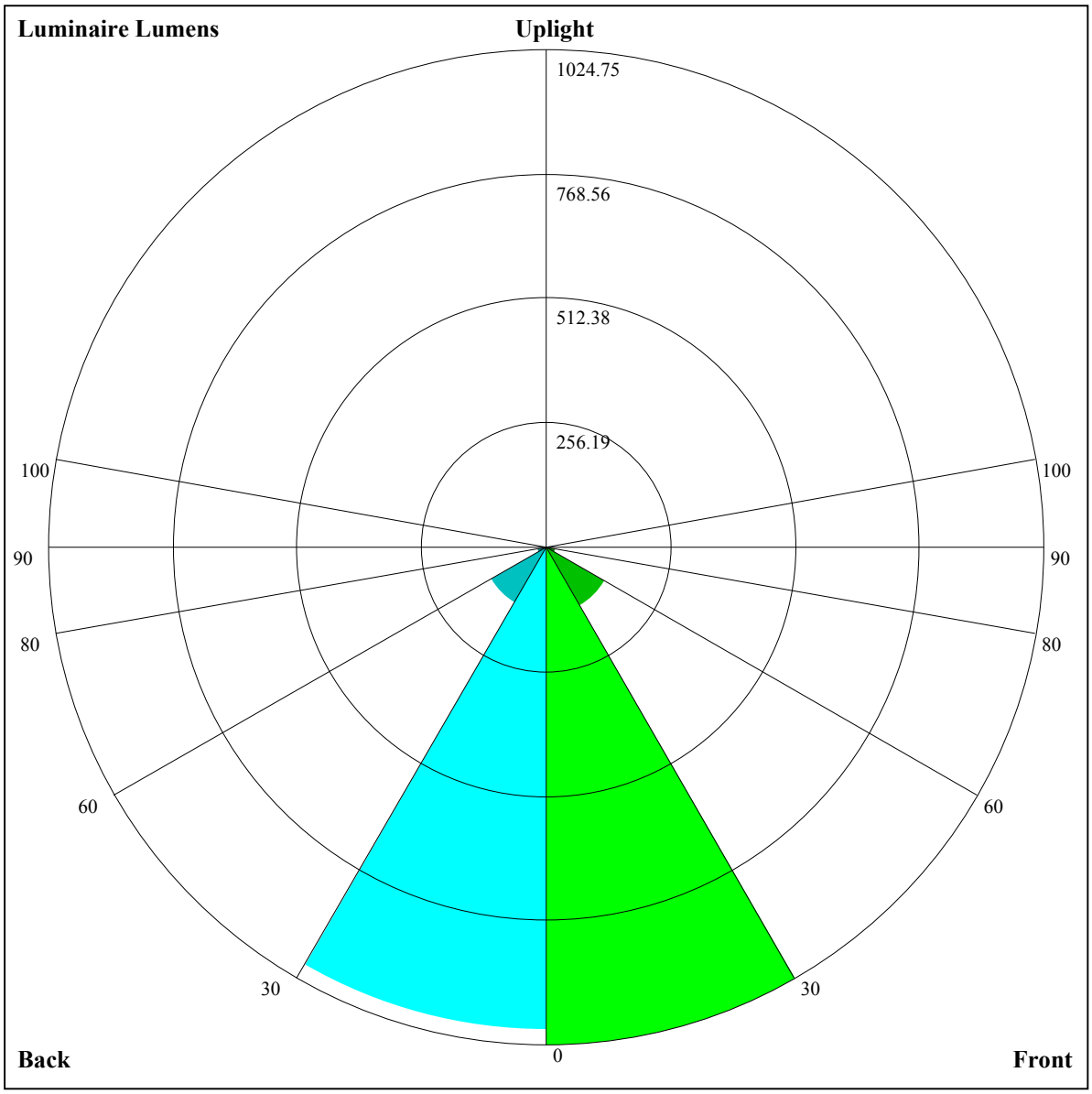
RHOCC	80			70			50			30			10			0
RHOW	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR	COEFFCIENTS OF UTILIZATION RHOFC=20 CU															
0	1.04	1.04	1.04	1.02	1.02	1.02	0.97	0.97	0.97	0.93	0.93	0.93	0.89	0.89	0.89	0.87
1	0.97	0.95	0.94	0.95	0.94	0.92	0.92	0.91	0.89	0.89	0.88	0.87	0.86	0.85	0.84	0.83
2	0.92	0.89	0.86	0.90	0.87	0.85	0.87	0.85	0.83	0.85	0.83	0.81	0.83	0.81	0.80	0.78
3	0.87	0.83	0.80	0.86	0.82	0.79	0.83	0.81	0.78	0.81	0.79	0.77	0.80	0.78	0.76	0.75
4	0.83	0.79	0.75	0.82	0.78	0.75	0.80	0.77	0.74	0.78	0.75	0.73	0.77	0.74	0.72	0.71
5	0.79	0.75	0.71	0.78	0.74	0.71	0.77	0.73	0.70	0.75	0.72	0.70	0.74	0.71	0.69	0.68
6	0.75	0.71	0.68	0.75	0.71	0.68	0.74	0.70	0.67	0.72	0.69	0.67	0.71	0.69	0.66	0.65
7	0.72	0.68	0.65	0.72	0.68	0.65	0.71	0.67	0.64	0.70	0.67	0.64	0.69	0.66	0.64	0.63
8	0.69	0.65	0.62	0.69	0.65	0.62	0.68	0.65	0.62	0.67	0.64	0.62	0.67	0.64	0.61	0.60
9	0.67	0.63	0.60	0.67	0.63	0.60	0.66	0.62	0.60	0.65	0.62	0.59	0.64	0.61	0.59	0.58
10	0.65	0.60	0.58	0.64	0.60	0.58	0.64	0.60	0.58	0.63	0.60	0.57	0.62	0.59	0.57	0.56

Coefficient Utilization Curve



Equipment: GMS1980	Date: 2024/4/11	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65

LCS Graph



Luminaire Lumens:
FL=1024.75,FM=140.07,FH=20.82,FVH=6.63
BL=994.74,BM=131.84,BH=20.71,BVH=6.47
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	10650.57	10524.16	10210.48	9718.89	8938.79	8217.20	7444.71	6655.24	5928.39
45.0	10499.00	10631.26	10530.01	10223.94	9607.11	8981.51	8261.09	7489.77	6535.85
90.0	10613.70	10384.88	9988.09	9459.05	8674.85	7946.83	6991.74	6232.70	5563.21
135.0	10597.90	10592.05	10372.59	9823.65	9215.01	8561.90	7644.85	6879.96	5971.69
180.0	10650.57	10511.87	10174.78	9639.30	8842.81	8137.61	7184.28	6381.35	5664.45
225.0	10499.00	10137.33	9439.74	8788.97	8077.92	7310.10	6333.36	5600.08	4984.42
270.0	10613.70	10567.47	10314.65	9718.30	9116.11	8431.40	7682.31	6874.11	5927.80
315.0	10597.90	10421.16	9901.48	9344.93	8686.55	7954.44	6966.58	6197.01	5499.42
360.0	10650.57	10524.16	10210.48	9718.89	8938.79	8217.20	7444.71	6655.24	5928.39

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	5140.09	4632.11	4103.07	3753.11	3446.45	3118.14	2868.83	2652.30	2412.94
45.0	5836.51	5215.58	4698.24	4162.18	3808.12	3497.36	3221.14	2904.53	2679.80
90.0	4993.78	4406.80	4008.85	3677.03	3381.49	3042.64	2803.29	2584.41	2384.27
135.0	5327.95	4795.39	4359.98	3887.12	3573.44	3287.85	3026.84	2737.74	2529.99
180.0	4931.75	4465.33	4082.59	3739.06	3366.27	3098.82	2851.86	2625.96	2394.80
225.0	4388.08	4001.24	3668.25	3384.41	3057.27	2823.18	2611.33	2386.61	2210.45
270.0	5277.03	4735.70	4211.34	3842.65	3537.74	3187.78	2930.87	2651.13	2450.40
315.0	4915.95	4336.58	3958.52	3552.96	3269.13	3014.55	2727.79	2520.62	2333.94
360.0	5140.09	4632.11	4103.07	3753.11	3446.45	3118.14	2868.83	2652.30	2412.94

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2240.30	2082.87	1941.25	1770.95	1637.52	1505.26	1162.02	1162.02	1082.67
45.0	2425.82	2246.74	2089.31	1903.21	1767.44	1638.69	1474.83	1337.88	1201.53
90.0	2167.73	2011.48	1830.06	1695.46	1562.61	1158.34	1158.34	1129.66	1033.68
135.0	2339.20	2130.28	1979.87	1846.44	1686.09	1563.78	1395.82	1258.88	1126.03
180.0	2216.89	2051.86	1881.56	1757.49	1631.08	1471.90	1346.66	1213.23	1064.00
225.0	2017.33	1876.88	1745.20	1618.21	1456.68	1159.74	1159.74	1070.03	960.94
270.0	2279.51	2105.70	1923.69	1798.45	1663.27	1529.25	1371.83	1236.64	1113.16
315.0	2162.46	1972.27	1831.23	1700.14	1571.39	1312.13	1147.16	1147.16	1046.67
360.0	2240.30	2082.87	1941.25	1770.95	1637.52	1505.26	1162.02	1162.02	1082.67

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1001.26	919.33	847.05	760.62	642.75	548.71	453.78	339.43	253.58
45.0	1086.82	1000.21	914.77	840.44	750.32	634.44	543.15	452.44	341.83
90.0	938.35	868.83	788.36	700.87	584.87	492.12	401.76	316.14	221.39
135.0	1027.71	933.49	860.34	773.73	679.50	564.22	472.92	383.97	299.69
180.0	979.73	908.91	827.57	714.03	618.64	525.01	429.03	321.35	300.86
225.0	890.60	812.29	723.51	608.11	516.11	425.40	316.78	236.90	153.33
270.0	1003.72	930.57	857.41	745.64	652.58	559.53	440.73	348.85	305.55
315.0	958.54	893.23	788.59	695.31	601.44	485.27	394.56	308.53	211.50
360.0	1001.26	919.33	847.05	760.62	642.75	548.71	453.78	339.43	253.58

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	180.13	127.23	97.62	89.83	84.97	80.70	74.50	70.05	64.26
45.0	300.86	300.86	121.20	102.47	94.10	87.43	82.46	76.96	72.45
90.0	158.89	108.62	95.51	87.90	81.64	76.66	71.87	66.19	61.92
135.0	299.69	133.61	100.78	88.02	82.63	77.54	73.15	68.76	64.26
180.0	300.86	110.96	93.28	83.86	79.06	74.62	70.17	64.73	60.51
225.0	113.36	96.39	88.43	81.70	77.25	72.92	68.47	62.85	59.05
270.0	305.55	123.37	102.12	93.99	88.54	83.10	78.48	72.57	67.83
315.0	148.35	111.37	97.62	88.95	84.21	79.24	74.38	68.94	64.61
360.0	180.13	127.23	97.62	89.83	84.97	80.70	74.50	70.05	64.26

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	60.16	56.83	52.96	50.15	47.46	44.59	42.66	41.26	39.97
45.0	66.42	62.44	58.58	55.19	51.68	48.92	46.12	43.77	42.08
90.0	58.29	54.78	51.15	48.40	46.12	44.36	42.25	41.20	40.20
135.0	59.46	56.06	52.96	50.21	46.99	45.12	43.54	42.19	40.67
180.0	56.94	53.90	50.50	48.16	46.00	43.95	41.67	40.32	39.09
225.0	55.71	52.14	49.74	47.34	44.95	43.13	41.38	40.15	39.50
270.0	63.44	58.76	55.42	52.73	50.15	47.17	45.06	43.31	42.14
315.0	60.92	56.47	53.31	49.69	47.11	45.18	43.54	41.67	40.20
360.0	60.16	56.83	52.96	50.15	47.46	44.59	42.66	41.26	39.97

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	38.68	37.98	37.10	36.52	35.58	34.18	32.30	29.73	27.92
45.0	40.73	39.85	39.39	38.74	37.63	36.46	35.17	33.65	30.26
90.0	39.33	38.62	37.86	37.10	35.82	34.41	31.72	29.61	27.56
135.0	39.56	38.45	37.98	37.51	36.75	34.94	33.71	31.43	28.91
180.0	38.10	37.51	36.81	36.05	35.11	33.47	31.89	29.50	27.97
225.0	38.92	38.22	37.28	36.34	35.17	33.18	30.61	28.85	26.04
270.0	40.91	40.09	39.33	38.39	37.40	35.87	34.06	31.25	29.79
315.0	39.21	38.57	37.92	37.28	35.76	33.94	32.01	29.67	27.15
360.0	38.68	37.98	37.10	36.52	35.58	34.18	32.30	29.73	27.92

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	24.76	23.06	21.24	19.55	18.43	17.50	16.97	16.44	15.92
45.0	28.56	25.87	23.58	21.54	20.13	18.96	18.14	17.56	16.91
90.0	24.70	23.12	20.72	19.55	18.38	17.67	17.21	16.62	16.33
135.0	26.34	24.05	22.53	19.96	19.14	18.08	17.38	16.85	16.27
180.0	24.52	22.94	21.01	19.55	18.38	17.50	16.91	16.33	15.92
225.0	23.64	21.65	19.90	18.90	18.02	17.32	16.80	16.56	16.80
270.0	25.87	24.17	22.30	20.54	19.25	18.26	17.67	17.15	16.68
315.0	24.40	22.82	20.37	19.31	18.32	17.56	16.85	16.39	15.92
360.0	24.76	23.06	21.24	19.55	18.43	17.50	16.97	16.44	15.92

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	15.57	15.27	14.92	14.75	14.57	14.40	14.10	13.75	13.28
45.0	16.56	16.68	17.97	19.66	21.24	23.12	24.58	23.99	22.65
90.0	16.85	19.14	20.89	22.59	22.41	21.77	21.13	20.25	19.20
135.0	15.86	15.57	15.10	14.81	14.51	14.34	14.10	13.93	13.69
180.0	15.45	15.10	14.81	14.57	14.46	14.46	14.34	14.05	13.58
225.0	17.62	18.90	20.83	23.06	24.87	24.35	23.17	20.60	17.21
270.0	17.26	18.55	20.42	22.00	22.30	21.54	20.60	19.78	18.90
315.0	15.45	15.16	14.86	14.63	14.46	14.16	13.81	13.40	13.11
360.0	15.57	15.27	14.92	14.75	14.57	14.40	14.10	13.75	13.28

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	12.93	12.41	12.11	11.88	11.65	10.94	10.59	10.42	10.30
45.0	20.83	16.68	13.11	12.06	11.65	11.41	10.89	10.48	10.30
90.0	17.32	13.64	11.88	11.41	11.18	10.71	10.48	10.30	10.01
135.0	13.40	13.11	12.70	12.23	11.70	10.83	10.53	10.36	10.18
180.0	13.17	12.52	12.17	11.88	11.00	10.65	10.48	10.36	10.01
225.0	13.64	12.11	11.76	11.41	10.77	10.48	10.30	10.12	10.12
270.0	17.50	13.99	12.06	11.70	11.41	10.94	10.59	10.36	10.12
315.0	12.64	12.35	11.94	11.59	11.24	10.71	10.48	10.30	10.01
360.0	12.93	12.41	12.11	11.88	11.65	10.94	10.59	10.42	10.30

Intensity data(cd)

C/γ(°)	90.0
0.0	10.07
45.0	10.01
90.0	10.07
135.0	10.07
180.0	10.18
225.0	10.12
270.0	10.12
315.0	10.12
360.0	10.07