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

NT

Client:
LumCAT: 1-1298-L
Luminaire: 92.70.428.00
Report No: 2024619-B012
Ballast type: AC

Test No: 2024719-C012	Voltage(V): 17.970
LampCAT: CREE CXA1512 LES8.9	Current(A): 0.401
Lamp flux(lm): 1079.0	Power (W): 7.205
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 984.38, Efficiency(%): 91.23% , Luminous Efficacy(lm/W): 136.62
Central intensity(cd): 4915.363, Maximum intensity(cd): 4915.363
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=17.2
[C90/270]Total=17.2
Field angle(10%Imax): [C0/180]Total=49.0
[C90/270]Total=49.0
Maximum s/h(1/2): C0_180=0.29 C90_270=0.29
Maximum s/h(1/4): C0_180=0.34 C90_270=0.34
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 91.23%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 97.518%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	4915.363	0.000	0	0.00%	0.00%
1.0	4860.498	4.678	4.678	0.43%	0.48%
2.0	4719.898	13.751	18.428	1.27%	1.87%
3.0	4475.859	21.993	40.421	2.04%	4.11%
4.0	4175.127	28.958	69.379	2.68%	7.05%
5.0	3797.657	34.299	103.678	3.18%	10.53%
6.0	3415.066	37.905	141.582	3.51%	14.38%
7.0	3017.771	39.929	181.511	3.70%	18.44%
8.0	2653.908	40.591	222.102	3.76%	22.56%
9.0	2342.568	40.494	262.596	3.75%	26.68%
10.0	2056.685	39.812	302.407	3.69%	30.72%
11.0	1826.253	38.799	341.206	3.60%	34.66%
12.0	1624.643	37.723	378.929	3.50%	38.49%
13.0	1419.010	36.120	415.05	3.35%	42.16%
14.0	1289.558	34.669	449.719	3.21%	45.69%
15.0	1196.909	34.135	483.854	3.16%	49.15%
16.0	1093.266	33.557	517.412	3.11%	52.56%
17.0	996.770	32.547	549.959	3.02%	55.87%
18.0	910.303	31.443	581.403	2.91%	59.06%
19.0	830.507	30.287	611.689	2.81%	62.14%
20.0	760.054	29.112	640.801	2.70%	65.10%
21.0	696.125	27.962	668.763	2.59%	67.94%
22.0	630.631	26.662	695.424	2.47%	70.65%
23.0	572.277	25.240	720.665	2.34%	73.21%
24.0	514.025	23.750	744.415	2.20%	75.62%
25.0	468.531	22.341	766.756	2.07%	77.89%
26.0	428.004	21.163	787.919	1.96%	80.04%
27.0	386.263	19.921	807.84	1.85%	82.07%
28.0	346.519	18.552	826.393	1.72%	83.95%
29.0	303.564	17.008	843.401	1.58%	85.68%
30.0	271.127	15.517	858.917	1.44%	87.25%
31.0	241.778	14.273	873.191	1.32%	88.70%
32.0	189.269	12.349	885.54	1.14%	89.96%
33.0	143.761	9.811	895.351	0.91%	90.96%
34.0	111.310	7.719	903.07	0.72%	91.74%
35.0	84.945	6.095	909.165	0.56%	92.36%
36.0	64.865	4.770	913.935	0.44%	92.84%
37.0	53.321	3.855	917.79	0.36%	93.24%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	46.467	3.331	921.12	0.31%	93.57%
39.0	41.844	3.014	924.135	0.28%	93.88%
40.0	37.791	2.777	926.912	0.26%	94.16%
41.0	33.980	2.556	929.468	0.24%	94.42%
42.0	31.061	2.363	931.831	0.22%	94.66%
43.0	28.405	2.203	934.034	0.20%	94.89%
44.0	26.079	2.056	936.09	0.19%	95.09%
45.0	24.192	1.932	938.022	0.18%	95.29%
46.0	22.487	1.826	939.848	0.17%	95.48%
47.0	21.053	1.732	941.579	0.16%	95.65%
48.0	19.722	1.648	943.228	0.15%	95.82%
49.0	18.669	1.577	944.804	0.15%	95.98%
50.0	17.710	1.517	946.321	0.14%	96.13%
51.0	16.950	1.466	947.787	0.14%	96.28%
52.0	16.247	1.425	949.212	0.13%	96.43%
53.0	15.750	1.392	950.604	0.13%	96.57%
54.0	15.355	1.371	951.975	0.13%	96.71%
55.0	14.989	1.355	953.329	0.13%	96.85%
56.0	14.638	1.339	954.668	0.12%	96.98%
57.0	14.411	1.328	955.996	0.12%	97.12%
58.0	14.243	1.325	957.321	0.12%	97.25%
59.0	14.009	1.321	958.642	0.12%	97.39%
60.0	13.731	1.311	959.953	0.12%	97.52%
61.0	13.446	1.297	961.249	0.12%	97.65%
62.0	13.094	1.279	962.528	0.12%	97.78%
63.0	12.626	1.251	963.779	0.12%	97.91%
64.0	12.107	1.214	964.993	0.11%	98.03%
65.0	11.609	1.174	966.167	0.11%	98.15%
66.0	11.053	1.131	967.297	0.10%	98.26%
67.0	10.600	1.089	968.386	0.10%	98.37%
68.0	10.190	1.053	969.439	0.10%	98.48%
69.0	9.788	1.019	970.458	0.09%	98.59%
70.0	9.239	0.977	971.436	0.09%	98.68%
71.0	8.713	0.928	972.363	0.09%	98.78%
72.0	8.076	0.873	973.236	0.08%	98.87%
73.0	7.608	0.820	974.057	0.08%	98.95%
74.0	7.198	0.778	974.835	0.07%	99.03%
75.0	6.928	0.746	975.581	0.07%	99.11%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	6.672	0.722	976.303	0.07%	99.18%
77.0	6.430	0.699	977.002	0.06%	99.25%
78.0	6.196	0.676	977.678	0.06%	99.32%
79.0	5.999	0.655	978.333	0.06%	99.39%
80.0	5.816	0.637	978.97	0.06%	99.45%
81.0	5.618	0.618	979.588	0.06%	99.51%
82.0	5.472	0.601	980.19	0.06%	99.57%
83.0	5.274	0.584	980.774	0.05%	99.63%
84.0	5.128	0.567	981.34	0.05%	99.69%
85.0	4.982	0.552	981.892	0.05%	99.75%
86.0	4.748	0.532	982.424	0.05%	99.80%
87.0	4.557	0.509	982.933	0.05%	99.85%
88.0	4.440	0.493	983.426	0.05%	99.90%
89.0	4.353	0.482	983.908	0.04%	99.95%
90.0	4.301	0.474	984.383	0.04%	100.00%

Zonal flux distribution table

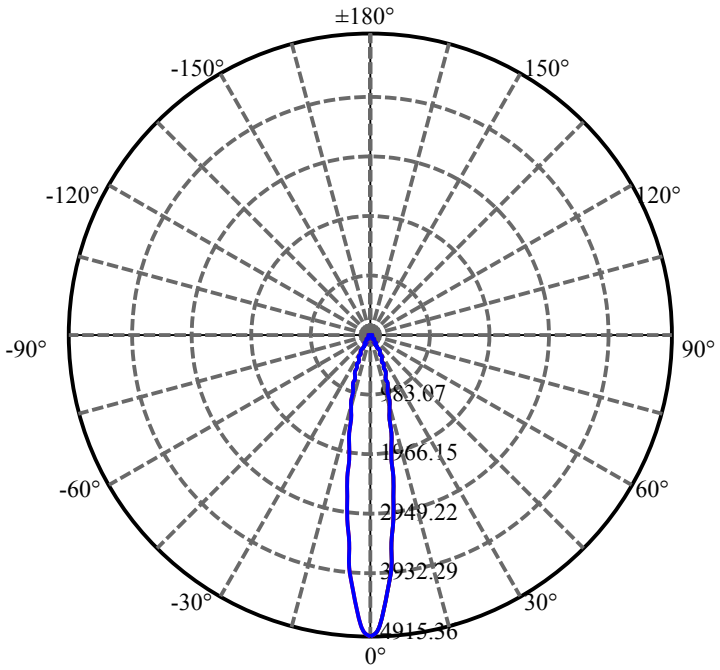
ZONAL LUMEN SUMMARY

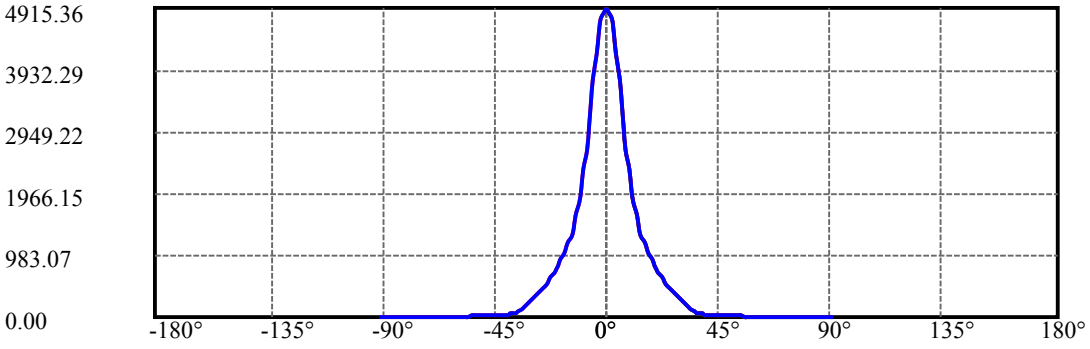
Zone	Lumens	%Lamp	%Fixt
0-30	858.92	79.60%	87.25%
0-40	926.91	85.90%	94.16%
0-60	959.95	88.97%	97.52%
0-90	983.91	91.19%	99.95%
0-120	983.91	91.19%	99.95%
0-180	984.38	91.23%	100.00%
60-90	23.96	2.22%	2.43%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-25.98	787.51	72.98%	80.00%

ZONAL LUMEN SUMMARY

0-10	302.41
10-20	338.39
20-30	218.12
30-40	67.99
40-50	19.41
50-60	13.63
60-70	11.48
70-80	7.53
80-90	4.94
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:

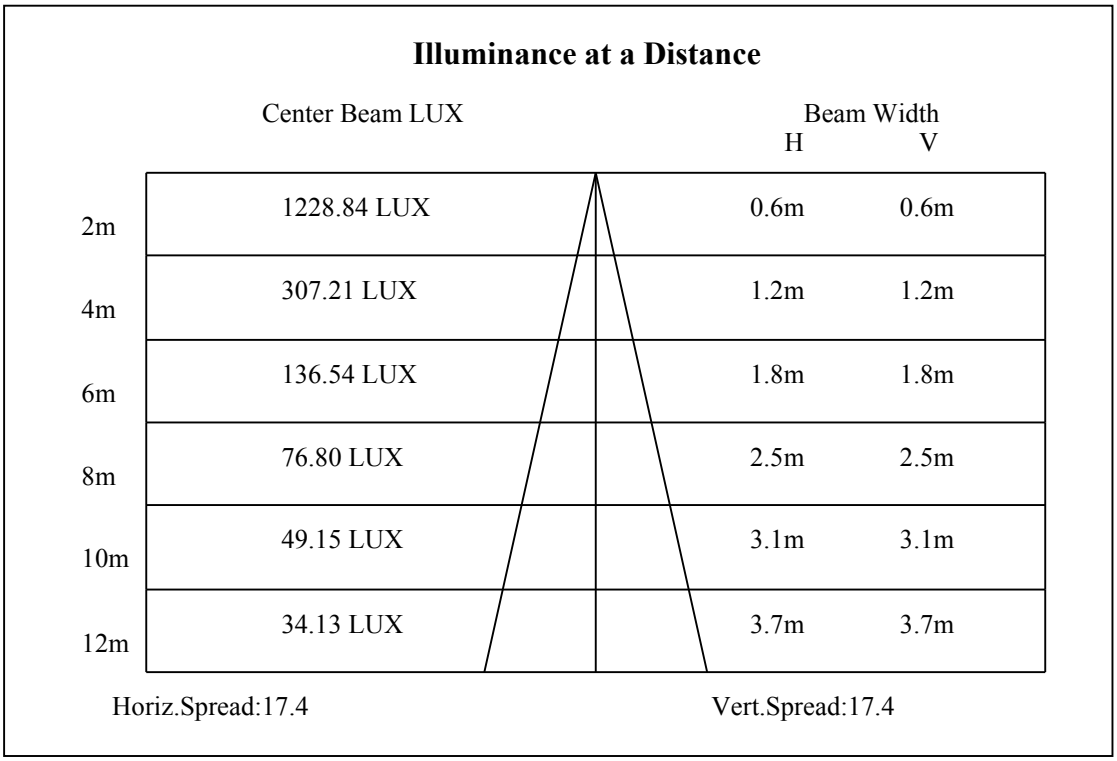
C90/C270:

Field angle(10%Imax):C0/180Left:24.5 Right:24.5
:C90/270Left:24.5 Right:24.5

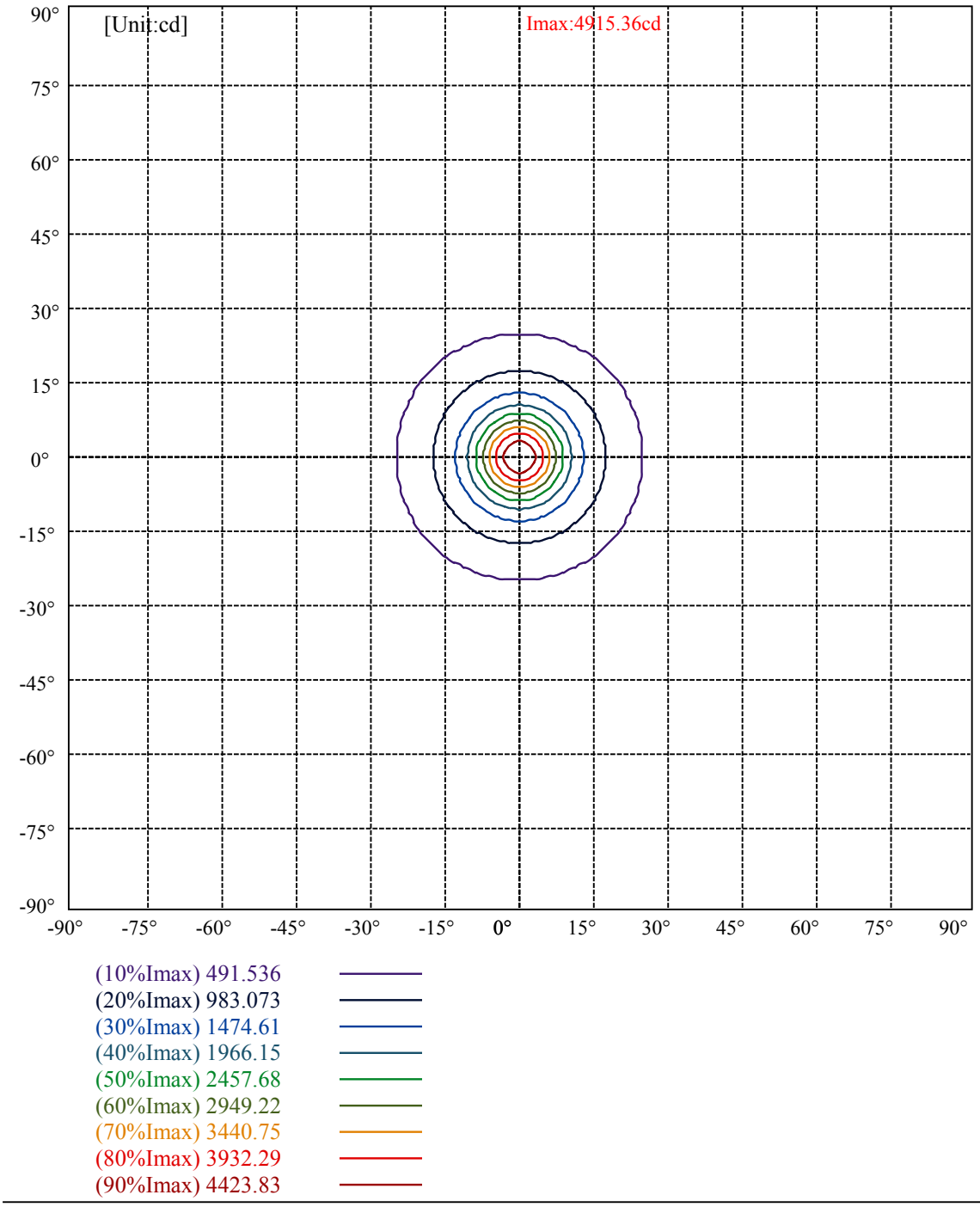
Beam Angle(50%Imax):C0/180Left:8.6 Right:8.6
:C90/270Left:8.6 Right:8.6

Equipment: GMS1980 Date: 2024/7/19 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

Lux distance Curve



ISO-Intensity(V-H)

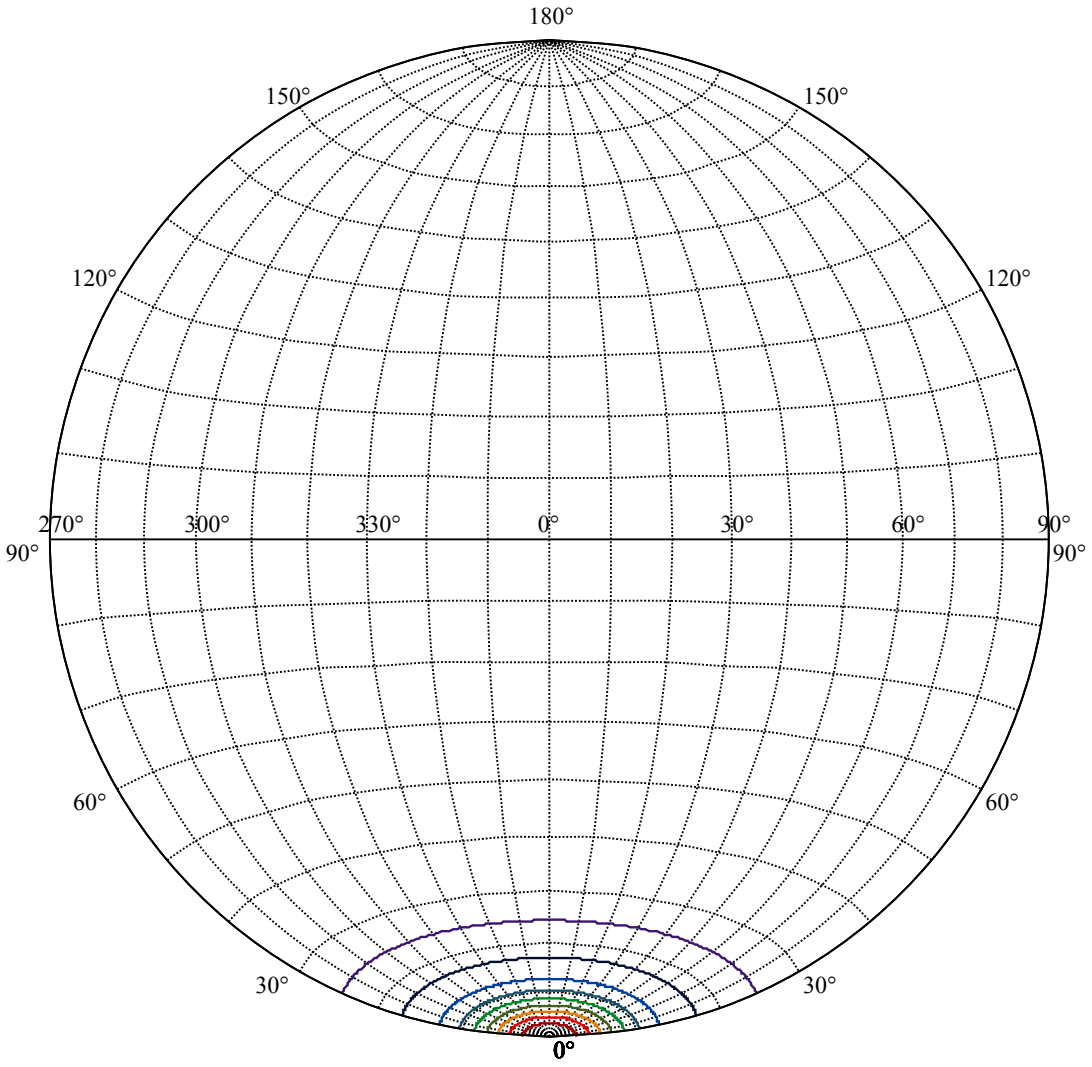


Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/7/19
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

ISO candela diagram on circular web



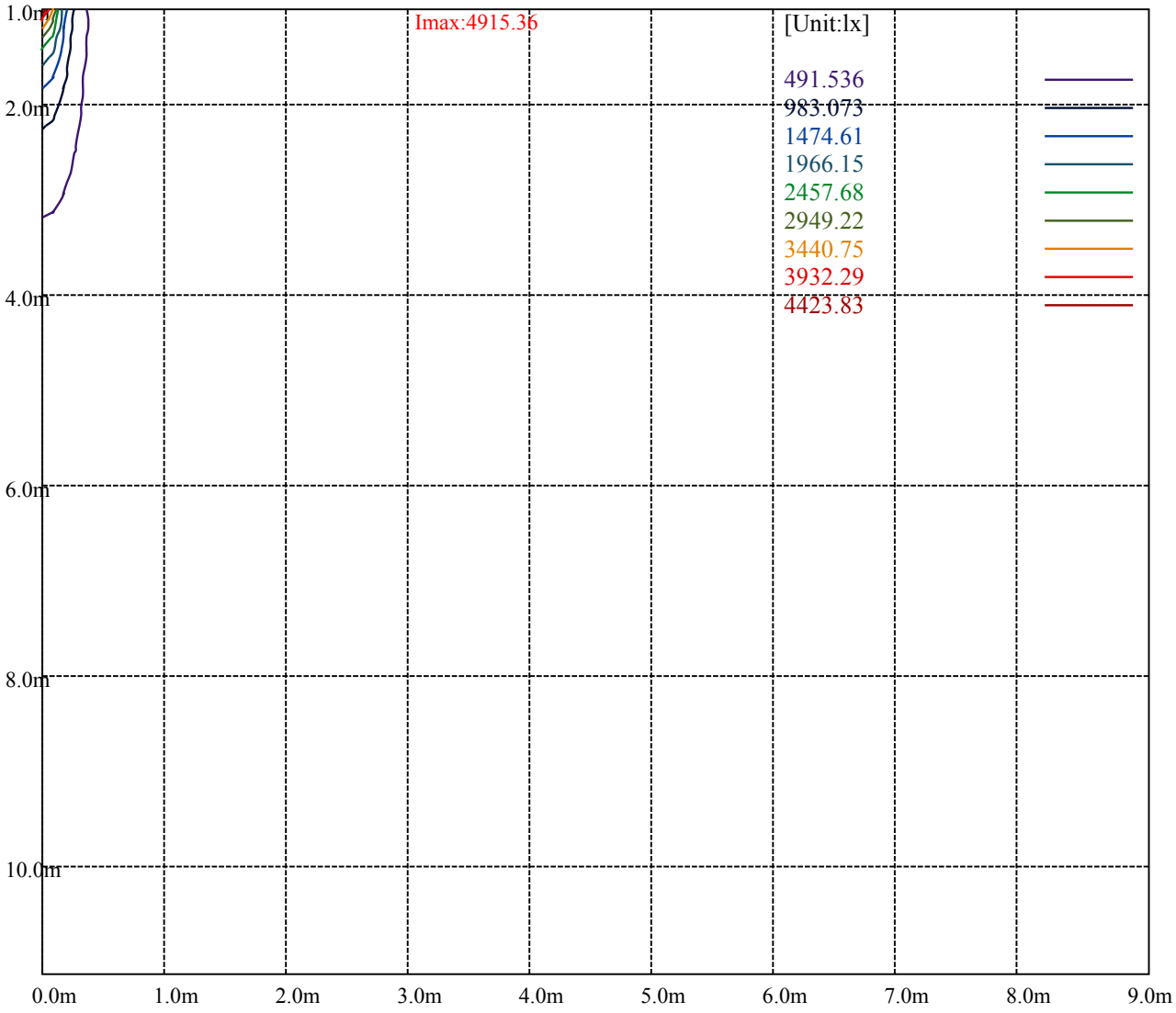
House [Unit:cd] Road

Imax:4915.36

(10%Imax) 491.536
(20%Imax) 983.073
(30%Imax) 1474.61
(40%Imax) 1966.15
(50%Imax) 2457.68
(60%Imax) 2949.22
(70%Imax) 3440.75
(80%Imax) 3932.29
(90%Imax) 4423.83

Equipment: GMS1980 Date: 2024/7/19 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/7/19
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

NT 1-1298-L

Luminance Limitting Curve(no luminous side)

Luminance Table

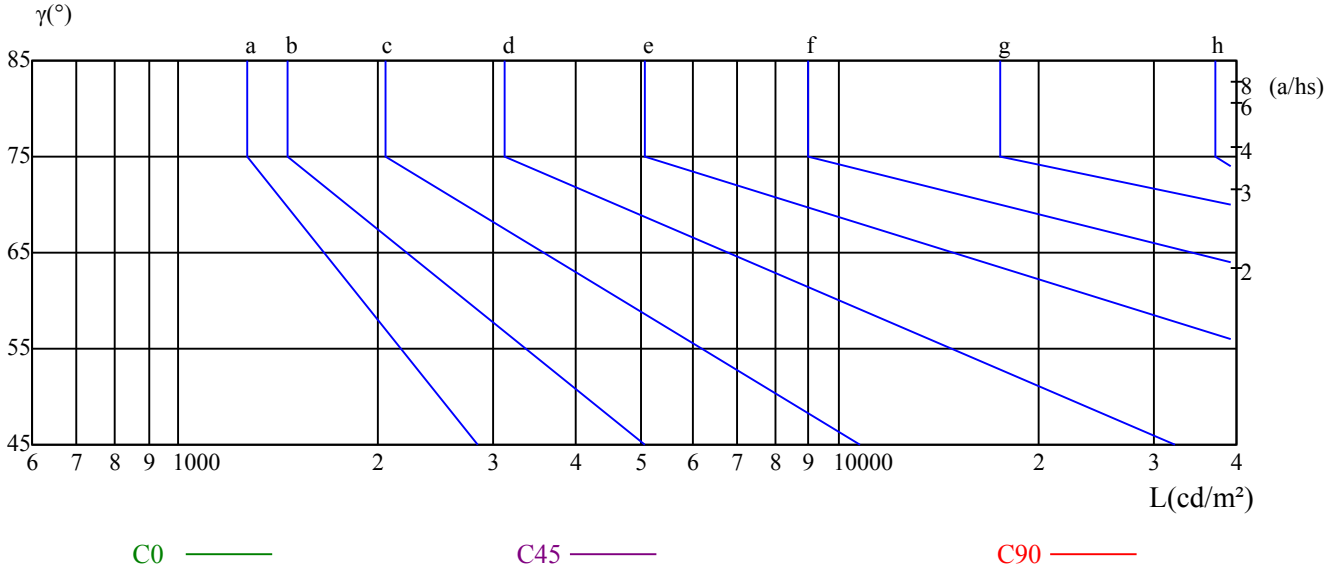
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

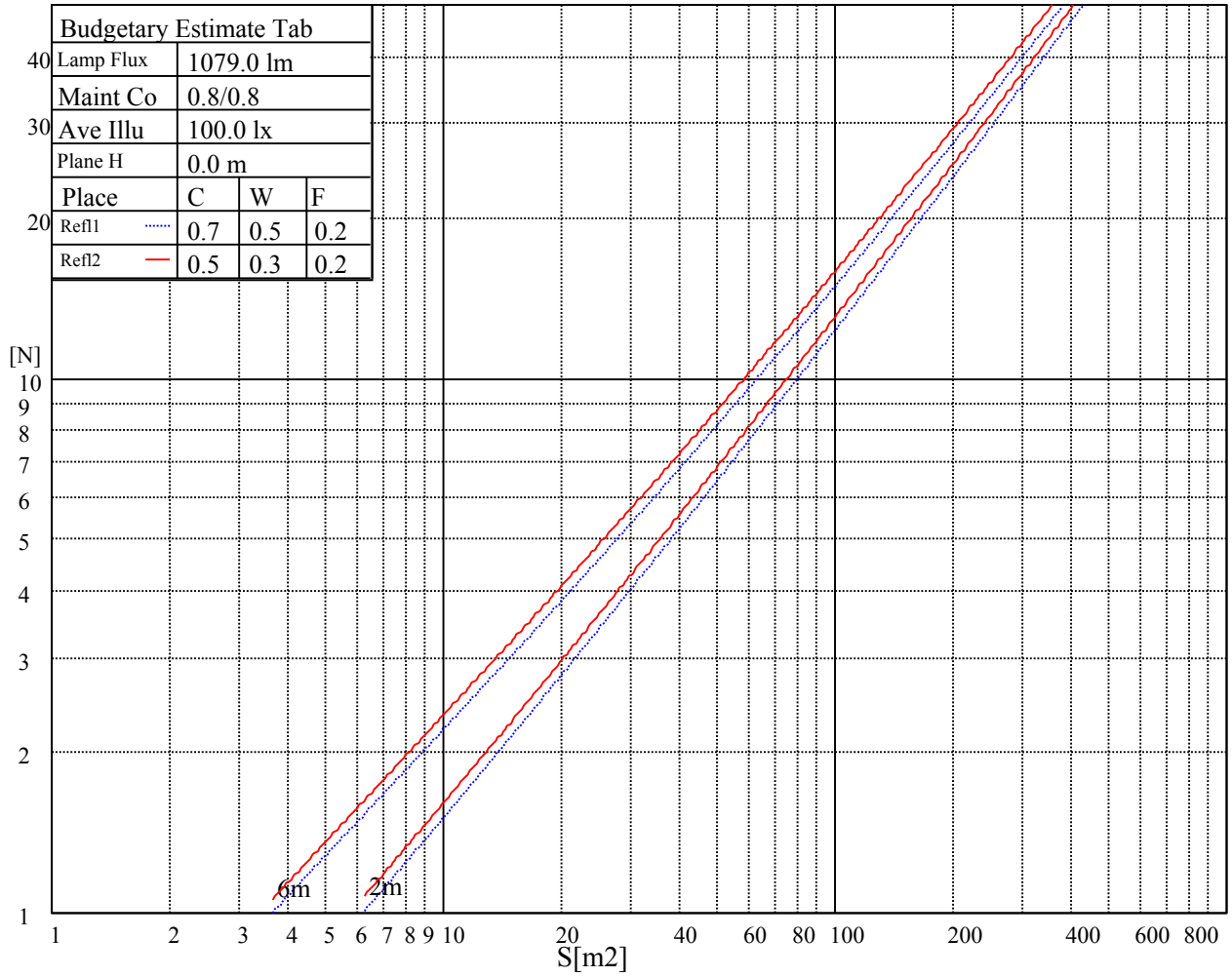
Luminance Limitting Curve



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

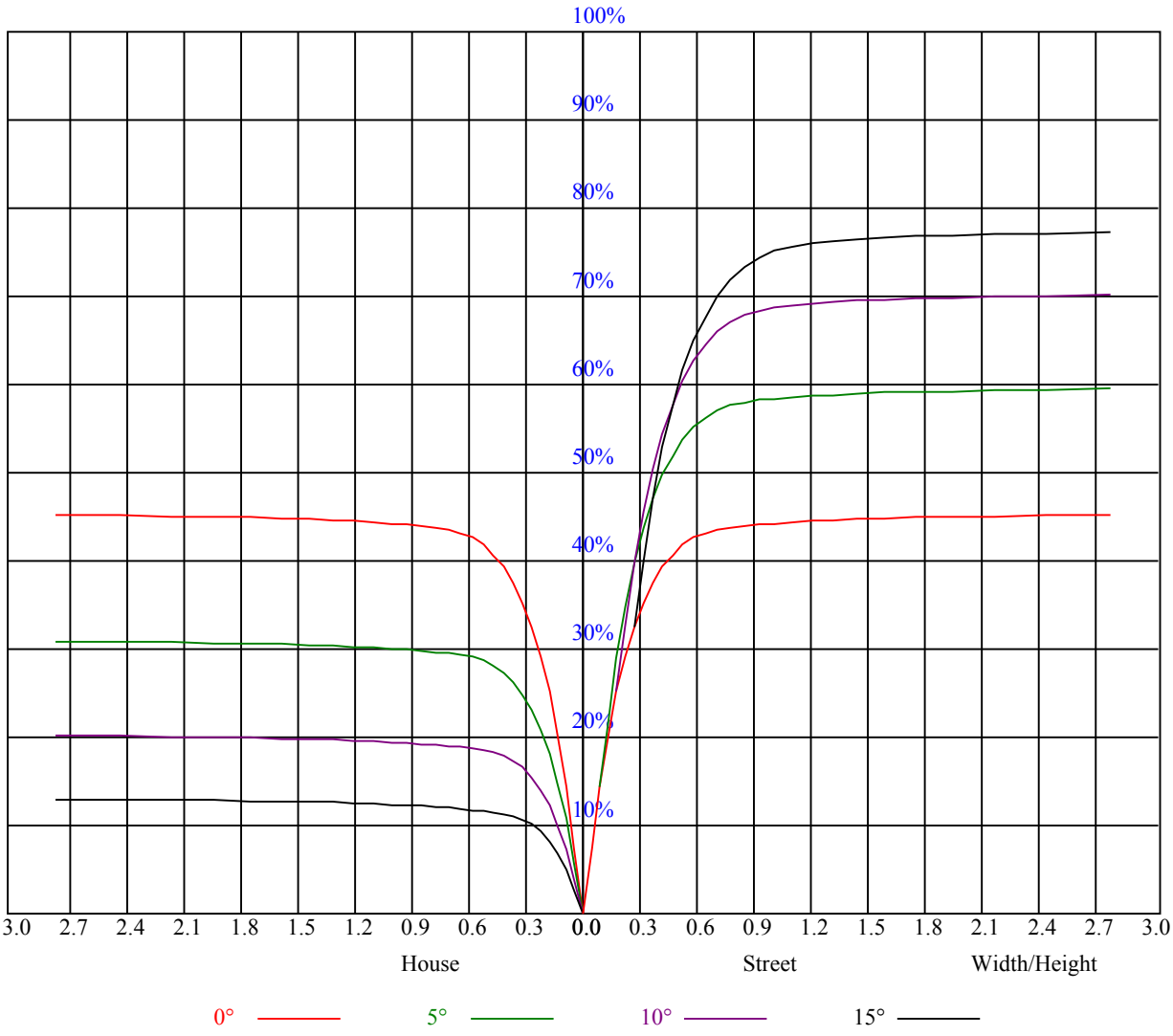


Equipment: GMS1980 Date: 2024/7/19 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

Utilization factor table for indoor luminaire

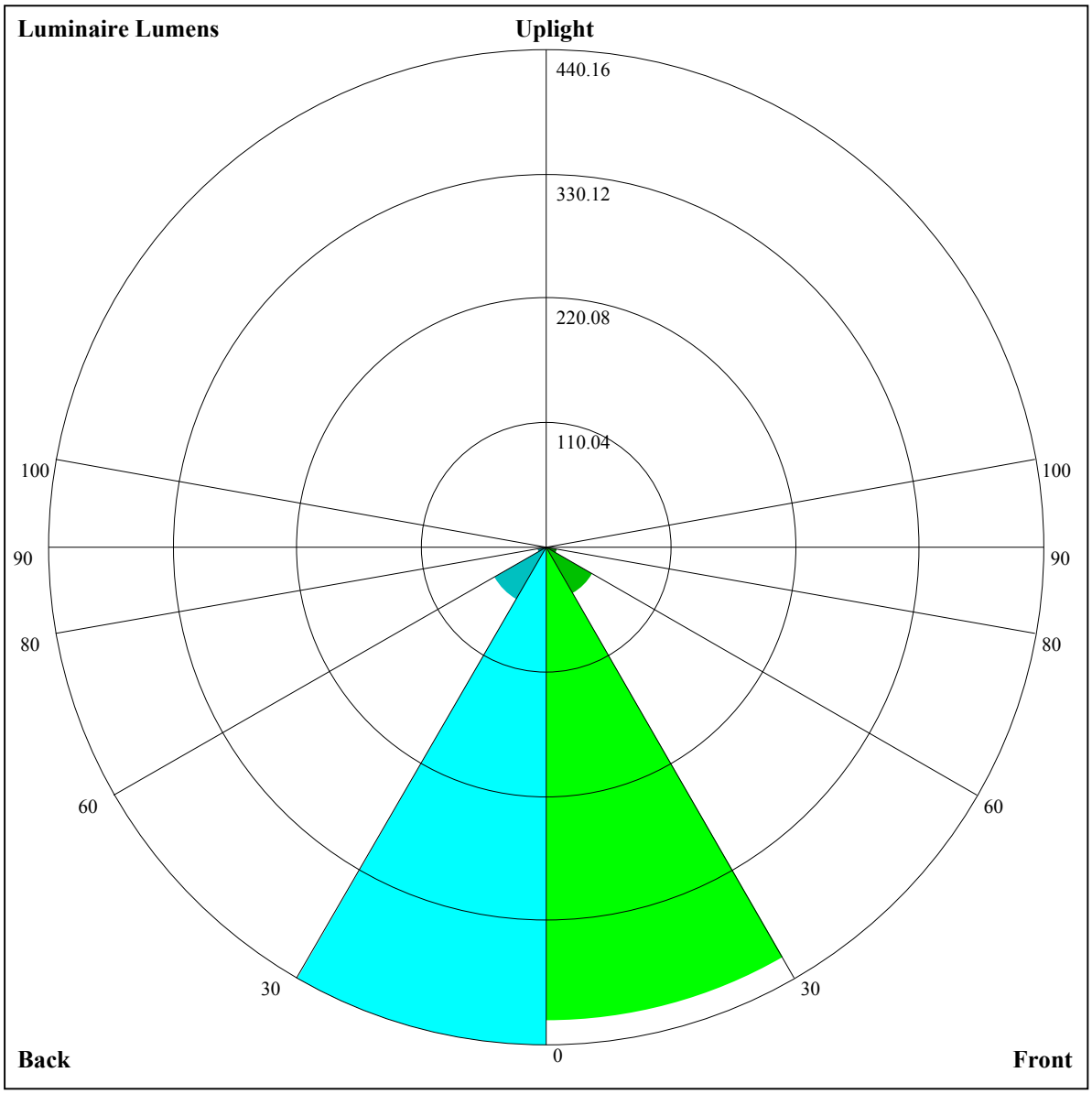
RHOCC	80			70			50			30			10			0
RHOW	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR	COEFFCIENTS OF UTILIZATION RHOFC=20 CU															
0	1.09	1.09	1.09	1.06	1.06	1.06	1.01	1.01	1.01	0.97	0.97	0.97	0.93	0.93	0.93	0.91
1	1.02	1.00	0.98	1.00	0.98	0.96	0.96	0.95	0.93	0.93	0.92	0.91	0.90	0.89	0.88	0.86
2	0.96	0.93	0.90	0.95	0.92	0.89	0.92	0.89	0.87	0.89	0.87	0.85	0.87	0.85	0.84	0.82
3	0.91	0.87	0.84	0.90	0.86	0.84	0.88	0.85	0.82	0.86	0.83	0.81	0.84	0.82	0.80	0.79
4	0.87	0.83	0.80	0.86	0.82	0.79	0.84	0.81	0.78	0.82	0.80	0.77	0.81	0.78	0.76	0.75
5	0.83	0.79	0.76	0.82	0.78	0.75	0.81	0.77	0.75	0.79	0.76	0.74	0.78	0.75	0.73	0.72
6	0.80	0.75	0.72	0.79	0.75	0.72	0.78	0.74	0.71	0.77	0.73	0.71	0.75	0.73	0.70	0.69
7	0.77	0.72	0.69	0.76	0.72	0.69	0.75	0.71	0.69	0.74	0.71	0.68	0.73	0.70	0.68	0.67
8	0.74	0.69	0.66	0.73	0.69	0.66	0.72	0.69	0.66	0.72	0.68	0.66	0.71	0.68	0.66	0.65
9	0.71	0.67	0.64	0.71	0.67	0.64	0.70	0.66	0.64	0.69	0.66	0.64	0.69	0.66	0.63	0.62
10	0.69	0.65	0.62	0.68	0.64	0.62	0.68	0.64	0.62	0.67	0.64	0.62	0.67	0.64	0.61	0.60

Coefficient Utilization Curve



Equipment: GMS1980	Date: 2024/7/19	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65

LCS Graph



Luminaire Lumens:

FL=418.8,FM=47.86,FH=9.86,FVH=2.72

BL=440.16,BM=53.34,BH=9.01,BVH=2.7

UL=0,UH=0

BUG Rating:B1-U0-G0

Equipment: GMS1980	Date: 2024/7/19	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65

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	4922.39	4774.32	4566.57	4281.56	3939.79	3482.15	3111.70	2756.47	2421.72
45.0	4887.27	4937.60	4881.42	4729.26	4427.29	4121.21	3775.93	3307.75	2934.38
90.0	4949.31	4879.08	4733.36	4501.02	4208.41	3773.00	3404.31	2944.91	2607.82
135.0	4902.49	4955.16	4894.88	4737.45	4519.17	4139.35	3795.24	3425.38	2970.66
180.0	4922.39	4917.70	4835.77	4627.43	4377.54	4000.07	3648.35	3282.59	2838.98
225.0	4887.27	4750.92	4548.43	4207.24	3886.54	3530.72	3076.00	2730.13	2428.16
270.0	4949.31	4913.61	4776.66	4570.67	4235.92	3898.83	3545.94	3084.78	2737.16
315.0	4902.49	4755.60	4522.09	4152.23	3806.36	3435.91	2963.05	2610.16	2292.38
360.0	4922.39	4774.32	4566.57	4281.56	3939.79	3482.15	3111.70	2756.47	2421.72

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	2074.10	1851.13	1670.29	1482.43	1152.72	1152.72	1104.03	1017.65	937.94
45.0	2587.34	2285.95	1976.36	1768.61	1591.29	1446.15	1287.55	1178.70	1055.22
90.0	2307.02	1990.99	1782.07	1605.33	1453.17	1142.83	1142.83	1066.16	976.27
135.0	2638.84	2345.64	2026.11	1813.67	1638.10	1488.87	1322.67	1212.64	1110.82
180.0	2525.30	2239.71	1992.16	1738.18	1573.73	1427.42	1300.43	1165.24	1067.51
225.0	2157.20	1879.80	1697.21	1535.69	1302.18	1155.70	1129.54	1038.89	932.73
270.0	2432.25	2101.60	1877.46	1649.81	1494.14	1356.02	1236.64	1103.79	1009.57
315.0	2018.50	1758.66	1588.36	1403.43	1146.75	1146.75	1051.59	963.05	884.10
360.0	2074.10	1851.13	1670.29	1482.43	1152.72	1152.72	1104.03	1017.65	937.94

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	846.53	779.29	716.78	659.20	588.79	532.73	481.76	441.67	395.96
45.0	968.02	890.77	801.82	739.78	679.50	621.57	553.68	503.35	457.70
90.0	876.43	805.27	738.61	676.70	599.39	543.91	479.65	438.98	404.74
135.0	1020.11	919.45	850.98	767.29	707.01	646.73	575.92	525.59	481.70
180.0	977.97	880.24	815.28	750.32	669.56	614.54	558.36	495.74	459.46
225.0	858.70	790.76	717.95	657.27	600.15	534.02	488.96	451.50	416.56
270.0	920.62	845.71	764.36	698.82	635.61	583.53	516.23	472.34	424.93
315.0	814.05	732.58	674.65	619.64	565.03	501.19	457.65	419.08	382.97
360.0	846.53	779.29	716.78	659.20	588.79	532.73	481.76	441.67	395.96

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	356.28	317.07	268.68	229.76	191.84	147.13	113.88	85.68	60.69
45.0	417.91	370.51	333.05	303.79	303.79	205.36	169.89	128.11	98.49
90.0	359.15	322.75	286.58	250.71	206.17	172.17	138.99	109.55	79.18
135.0	443.66	396.84	357.05	317.84	299.11	299.11	187.51	151.87	118.86
180.0	420.25	384.55	330.71	301.45	301.45	209.98	165.15	130.91	102.06
225.0	371.50	333.11	294.66	256.21	206.94	169.25	134.78	98.08	76.08
270.0	385.72	350.61	300.86	300.86	254.87	184.23	142.68	112.48	86.50
315.0	335.63	296.71	256.91	208.40	170.07	126.94	97.21	73.80	57.70
360.0	356.28	317.07	268.68	229.76	191.84	147.13	113.88	85.68	60.69

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	49.69	44.30	40.20	35.76	32.66	29.85	27.56	24.99	23.29
45.0	74.85	55.89	48.34	44.07	40.56	36.87	34.18	31.54	28.85
90.0	63.26	54.02	48.75	43.42	39.68	35.23	32.36	29.90	27.15
135.0	84.92	66.83	54.84	49.57	45.12	40.15	36.69	33.65	30.43
180.0	73.27	58.29	47.52	42.49	38.10	34.12	30.02	27.33	25.05
225.0	58.93	51.91	46.99	42.66	37.75	34.53	31.78	29.44	27.10
270.0	67.18	52.96	46.47	41.67	37.28	32.36	29.20	25.98	23.94
315.0	46.82	42.37	38.62	35.11	31.19	28.73	26.69	24.40	22.82
360.0	49.69	44.30	40.20	35.76	32.66	29.85	27.56	24.99	23.29

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	21.36	20.07	18.96	17.73	16.91	16.33	15.57	15.04	14.75
45.0	27.04	25.34	23.82	22.30	21.30	20.31	19.78	19.25	18.84
90.0	25.11	23.41	21.54	20.31	19.14	18.02	17.03	16.33	15.74
135.0	28.21	26.22	24.40	22.36	20.89	19.78	18.79	17.67	16.91
180.0	23.12	21.07	19.61	18.38	17.38	16.27	15.57	14.75	14.16
225.0	25.28	23.76	22.41	21.01	20.01	18.96	18.20	17.50	16.85
270.0	22.00	20.07	18.79	17.73	16.68	15.68	14.92	14.28	13.87
315.0	21.42	19.96	18.90	17.97	17.03	16.33	15.74	15.16	14.86
360.0	21.36	20.07	18.96	17.73	16.91	16.33	15.57	15.04	14.75

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	14.57	14.28	14.05	13.99	14.05	13.99	14.05	14.10	14.10
45.0	18.61	18.49	18.20	17.79	17.50	17.26	16.91	16.44	16.27
90.0	15.39	14.92	14.51	14.28	14.16	13.81	13.40	13.11	12.82
135.0	16.21	15.74	15.22	14.75	14.51	14.34	14.05	13.58	13.34
180.0	13.81	13.40	13.05	12.87	12.70	12.52	12.35	12.17	11.82
225.0	16.27	15.74	15.27	14.98	14.63	14.16	13.64	13.17	12.35
270.0	13.46	13.17	12.93	12.82	12.58	12.41	12.00	11.70	11.29
315.0	14.51	14.16	13.87	13.81	13.81	13.58	13.46	13.28	12.76
360.0	14.57	14.28	14.05	13.99	14.05	13.99	14.05	14.10	14.10

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	13.81	13.46	13.11	12.58	12.23	11.76	11.35	10.07	9.13
45.0	15.92	15.22	14.86	14.40	13.64	13.23	12.82	12.35	11.35
90.0	12.41	12.00	11.76	11.35	11.06	10.77	10.59	10.42	10.18
135.0	12.87	12.23	11.47	10.94	10.36	9.89	9.42	9.01	8.60
180.0	11.35	10.89	10.36	9.71	9.25	8.84	8.37	8.02	7.67
225.0	11.65	10.89	10.24	9.48	9.01	8.54	8.02	7.67	7.32
270.0	10.71	10.30	9.83	9.19	8.84	8.49	8.25	7.90	7.67
315.0	12.29	11.88	11.24	10.77	10.42	10.01	9.48	8.49	7.78
360.0	13.81	13.46	13.11	12.58	12.23	11.76	11.35	10.07	9.13

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	8.37	7.96	7.61	7.32	6.96	6.79	6.50	6.26	6.03
45.0	9.77	8.90	8.08	7.61	7.32	6.96	6.61	6.38	6.20
90.0	8.95	8.02	7.43	7.08	6.85	6.50	6.26	6.09	5.85
135.0	8.25	7.84	7.32	7.02	6.79	6.55	6.32	6.09	5.91
180.0	7.43	7.26	7.02	6.79	6.61	6.44	6.26	6.09	5.91
225.0	7.02	6.73	6.55	6.38	6.14	5.97	5.74	5.62	5.44
270.0	7.43	7.14	6.85	6.67	6.44	6.20	6.03	5.85	5.68
315.0	7.37	7.02	6.73	6.55	6.26	6.03	5.85	5.62	5.50
360.0	8.37	7.96	7.61	7.32	6.96	6.79	6.50	6.26	6.03

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	5.85	5.74	5.50	5.38	5.27	4.86	4.68	4.56	4.51
45.0	5.85	5.74	5.50	5.33	5.15	4.97	4.62	4.45	4.39
90.0	5.62	5.44	5.27	5.09	4.97	4.62	4.51	4.39	4.27
135.0	5.74	5.56	5.33	5.21	5.03	4.86	4.62	4.51	4.39
180.0	5.79	5.62	5.44	5.27	5.15	4.97	4.80	4.62	4.51
225.0	5.33	5.15	4.97	4.86	4.74	4.56	4.39	4.33	4.27
270.0	5.44	5.33	5.15	4.97	4.86	4.62	4.45	4.39	4.27
315.0	5.33	5.21	5.03	4.92	4.68	4.51	4.39	4.27	4.21
360.0	5.85	5.74	5.50	5.38	5.27	4.86	4.68	4.56	4.51

Intensity data(cd)

C/γ(°)	90.0
0.0	4.51
45.0	4.27
90.0	4.21
135.0	4.33
180.0	4.33
225.0	4.27
270.0	4.27
315.0	4.21
360.0	4.51