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NT

Client:
LumCAT: 2-2681-L
Luminaire: 92.70.411.00
Report No: 2024330-B008
Ballast type: AC

Test No: 2024330-C008	Voltage(V): 34.070
LampCAT: LUMILEDS LUXEON 1208	Current(A): 0.576
Lamp flux(lm): 2850.0	Power (W): 19.624
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 2348.05, Efficiency(%): 82.39% , Luminous Efficacy(lm/W): 119.65
Central intensity(cd): 4274.103, Maximum intensity(cd): 4274.103
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=43.8
[C90/270]Total=43.8
Field angle(10%Imax): [C0/180]Total=68.0
[C90/270]Total=68.0
Maximum s/h(1/2): C0_180=0.70 C90_270=0.70
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(%): 82.39%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 97.730%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	4274.103	0.000	0	0.00%	0.00%
1.0	4268.324	4.087	4.087	0.14%	0.17%
2.0	4250.913	12.228	16.315	0.43%	0.69%
3.0	4222.311	20.265	36.58	0.71%	1.56%
4.0	4181.711	28.131	64.711	0.99%	2.76%
5.0	4131.015	35.761	100.472	1.25%	4.28%
6.0	4071.761	43.108	143.58	1.51%	6.11%
7.0	4000.949	50.107	193.687	1.76%	8.25%
8.0	3922.090	56.704	250.391	1.99%	10.66%
9.0	3842.134	62.925	313.315	2.21%	13.34%
10.0	3742.207	68.636	381.951	2.41%	16.27%
11.0	3646.083	73.824	455.775	2.59%	19.41%
12.0	3535.110	78.501	534.276	2.75%	22.75%
13.0	3423.259	82.578	616.854	2.90%	26.27%
14.0	3305.190	86.124	702.978	3.02%	29.94%
15.0	3180.317	89.036	792.014	3.12%	33.73%
16.0	3048.422	91.268	883.282	3.20%	37.62%
17.0	2903.945	92.694	975.977	3.25%	41.57%
18.0	2755.956	93.320	1069.296	3.27%	45.54%
19.0	2607.529	93.314	1162.61	3.27%	49.51%
20.0	2444.470	92.466	1255.075	3.24%	53.45%
21.0	2284.411	90.804	1345.879	3.19%	57.32%
22.0	2118.939	88.487	1434.367	3.10%	61.09%
23.0	1978.485	85.975	1520.342	3.02%	64.75%
24.0	1824.717	83.152	1603.493	2.92%	68.29%
25.0	1681.264	79.718	1683.212	2.80%	71.69%
26.0	1455.162	74.036	1757.247	2.60%	74.84%
27.0	1294.562	67.273	1824.52	2.36%	77.70%
28.0	1212.272	63.468	1887.988	2.23%	80.41%
29.0	1059.857	59.445	1947.433	2.09%	82.94%
30.0	918.964	53.428	2000.861	1.87%	85.21%
31.0	776.469	47.181	2048.042	1.66%	87.22%
32.0	658.020	41.096	2089.139	1.44%	88.97%
33.0	536.966	35.205	2124.343	1.24%	90.47%
34.0	427.031	29.173	2153.517	1.02%	91.72%
35.0	332.181	23.578	2177.095	0.83%	92.72%
36.0	255.685	18.718	2195.813	0.66%	93.52%
37.0	225.473	15.693	2211.505	0.55%	94.18%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	123.951	11.663	2223.169	0.41%	94.68%
39.0	80.937	6.993	2230.162	0.25%	94.98%
40.0	64.206	5.062	2235.224	0.18%	95.19%
41.0	55.882	4.276	2239.5	0.15%	95.38%
42.0	50.264	3.856	2243.357	0.14%	95.54%
43.0	46.174	3.572	2246.929	0.13%	95.69%
44.0	43.336	3.378	2250.308	0.12%	95.84%
45.0	40.995	3.241	2253.548	0.11%	95.98%
46.0	39.056	3.131	2256.679	0.11%	96.11%
47.0	37.454	3.043	2259.722	0.11%	96.24%
48.0	36.006	2.970	2262.692	0.10%	96.36%
49.0	34.704	2.904	2265.596	0.10%	96.49%
50.0	33.511	2.844	2268.44	0.10%	96.61%
51.0	32.560	2.795	2271.235	0.10%	96.73%
52.0	31.631	2.755	2273.99	0.10%	96.85%
53.0	30.739	2.713	2276.703	0.10%	96.96%
54.0	29.956	2.675	2279.378	0.09%	97.08%
55.0	29.210	2.641	2282.019	0.09%	97.19%
56.0	28.530	2.609	2284.628	0.09%	97.30%
57.0	27.842	2.577	2287.206	0.09%	97.41%
58.0	27.206	2.546	2289.751	0.09%	97.52%
59.0	26.591	2.515	2292.266	0.09%	97.62%
60.0	25.918	2.481	2294.747	0.09%	97.73%
61.0	25.304	2.444	2297.191	0.09%	97.83%
62.0	24.689	2.409	2299.6	0.08%	97.94%
63.0	24.075	2.372	2301.972	0.08%	98.04%
64.0	23.402	2.330	2304.302	0.08%	98.14%
65.0	22.802	2.287	2306.588	0.08%	98.23%
66.0	22.151	2.243	2308.831	0.08%	98.33%
67.0	21.529	2.196	2311.027	0.08%	98.42%
68.0	21.024	2.156	2313.183	0.08%	98.52%
69.0	20.512	2.119	2315.302	0.07%	98.61%
70.0	20.073	2.084	2317.386	0.07%	98.69%
71.0	19.693	2.055	2319.442	0.07%	98.78%
72.0	19.108	2.018	2321.459	0.07%	98.87%
73.0	18.222	1.952	2323.411	0.07%	98.95%
74.0	17.476	1.877	2325.288	0.07%	99.03%
75.0	16.781	1.810	2327.098	0.06%	99.11%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	16.181	1.750	2328.848	0.06%	99.18%
77.0	15.728	1.701	2330.549	0.06%	99.25%
78.0	15.311	1.662	2332.211	0.06%	99.33%
79.0	14.857	1.621	2333.832	0.06%	99.39%
80.0	14.367	1.576	2335.407	0.06%	99.46%
81.0	13.914	1.529	2336.936	0.05%	99.53%
82.0	13.402	1.481	2338.418	0.05%	99.59%
83.0	12.824	1.426	2339.843	0.05%	99.65%
84.0	12.034	1.354	2341.198	0.05%	99.71%
85.0	11.178	1.267	2342.464	0.04%	99.76%
86.0	10.468	1.183	2343.648	0.04%	99.81%
87.0	10.176	1.130	2344.777	0.04%	99.86%
88.0	9.993	1.105	2345.882	0.04%	99.91%
89.0	9.868	1.089	2346.971	0.04%	99.95%
90.0	9.824	1.080	2348.051	0.04%	100.00%

Zonal flux distribution table

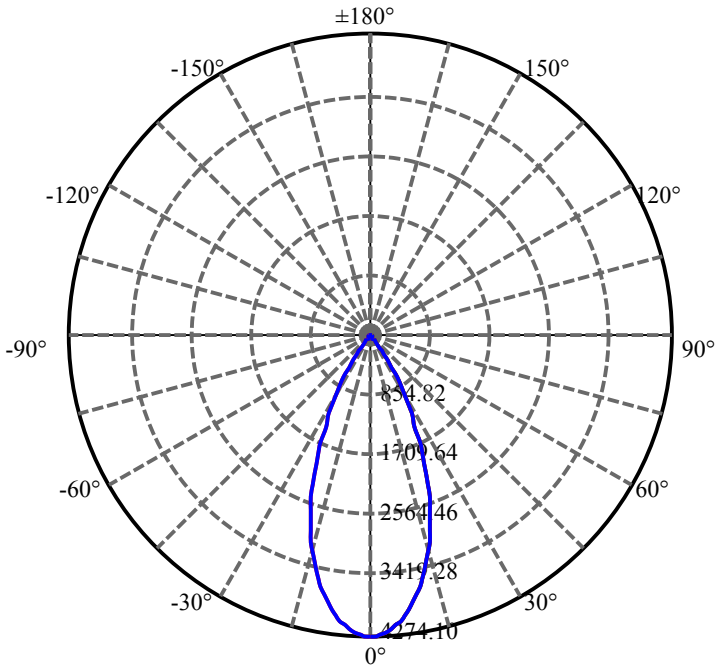
ZONAL LUMEN SUMMARY

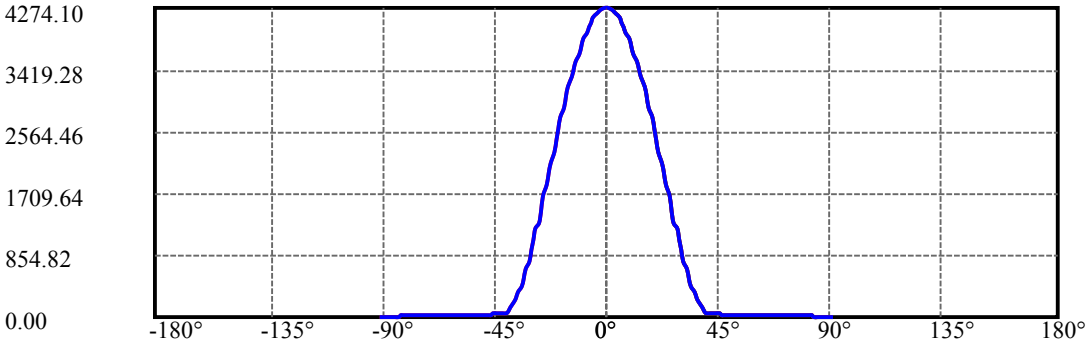
Zone	Lumens	%Lamp	%Fixt
0-30	2000.86	70.21%	85.21%
0-40	2235.22	78.43%	95.19%
0-60	2294.75	80.52%	97.73%
0-90	2346.97	82.35%	99.95%
0-120	2346.97	82.35%	99.95%
0-180	2348.05	82.39%	100.00%
60-90	52.22	1.83%	2.22%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-27.85	1878.44	65.91%	80.00%

ZONAL LUMEN SUMMARY

0-10	381.95
10-20	873.12
20-30	745.79
30-40	234.36
40-50	33.22
50-60	26.31
60-70	22.64
70-80	18.02
80-90	11.56
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):

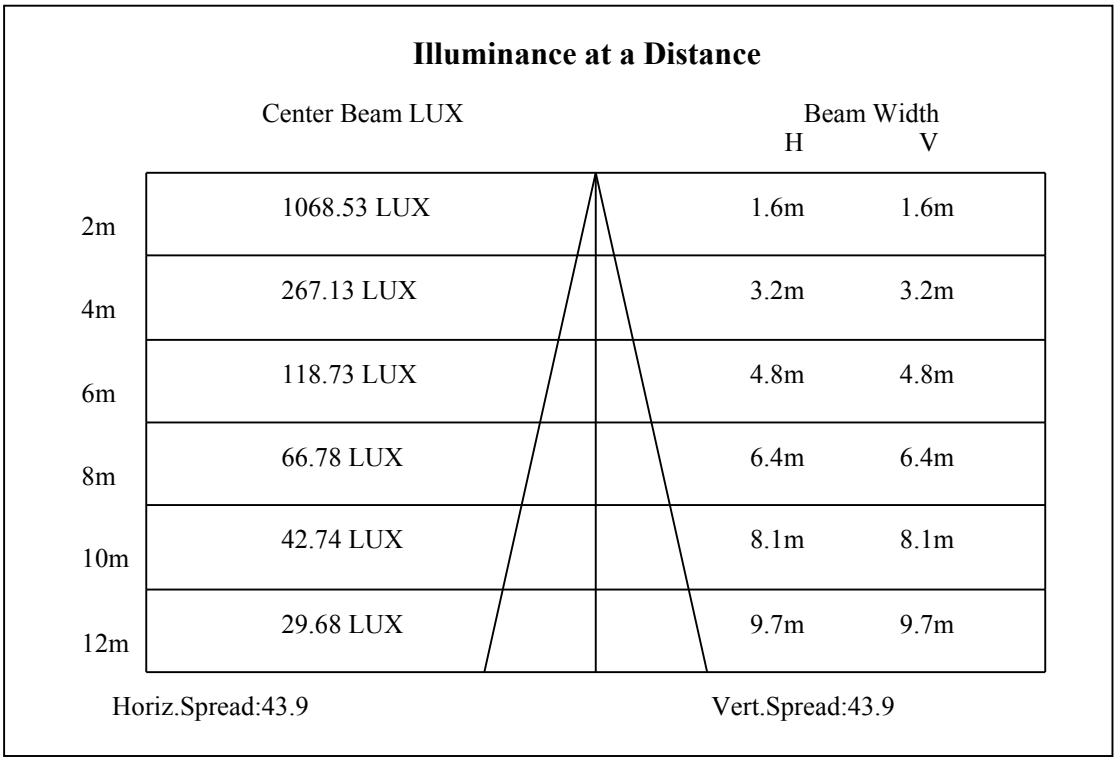
C0/C180:

C90/C270:

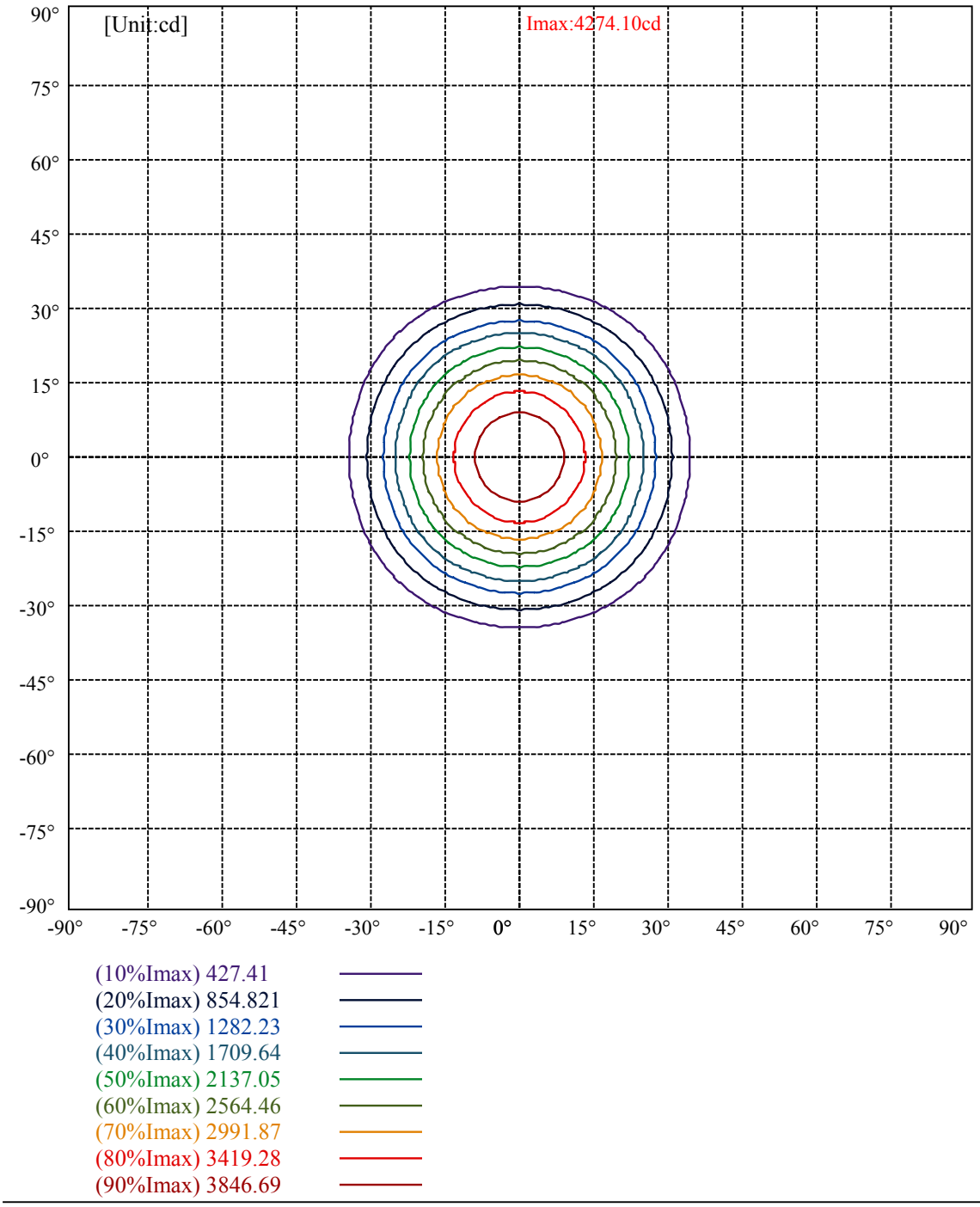
Field angle(10%Imax):C0/180Left:34.0 Right:34.0
:C90/270Left:34.0 Right:34.0

Beam Angle(50%Imax):C0/180Left:21.9 Right:21.9
:C90/270Left:21.9 Right:21.9

Lux distance Curve



ISO-Intensity(V-H)

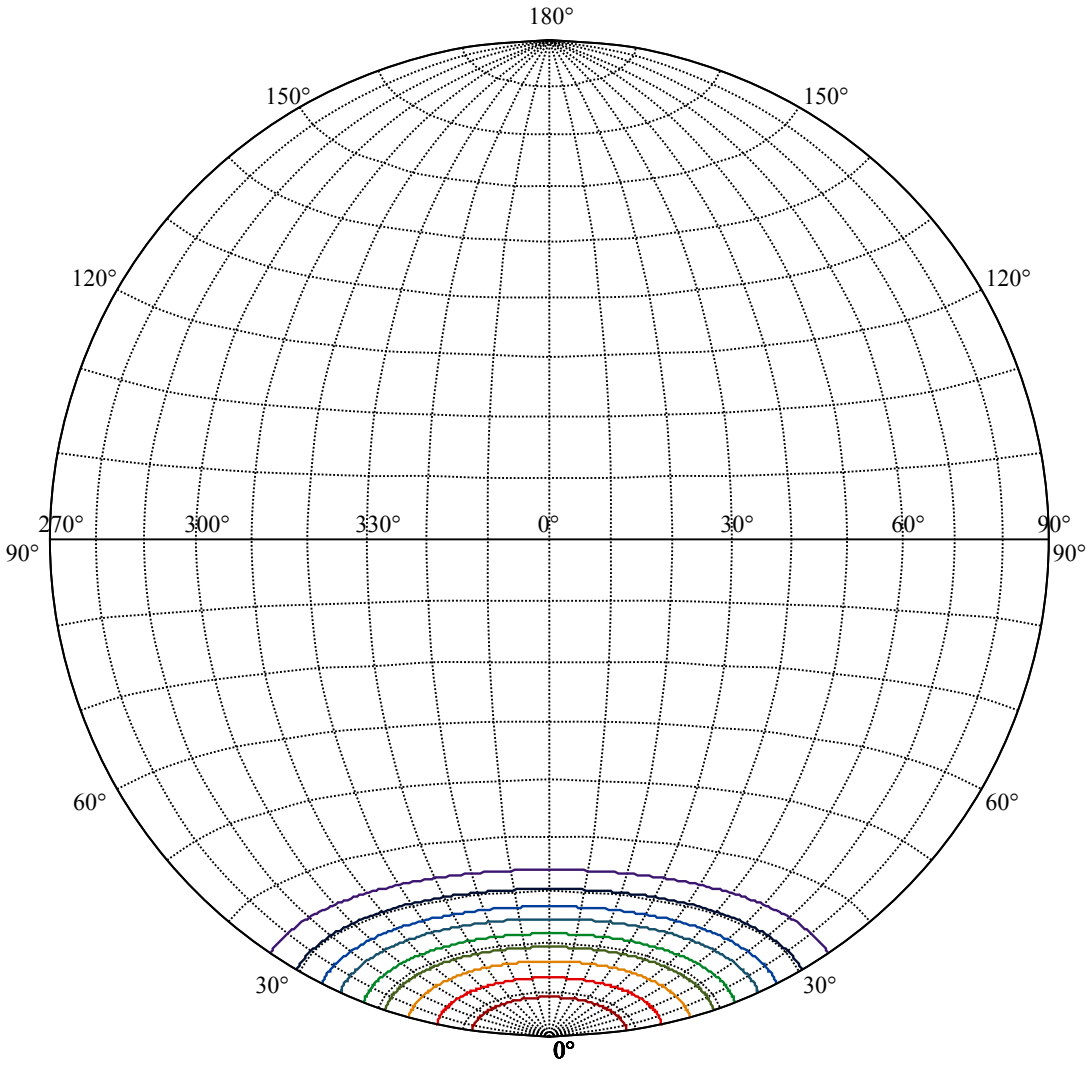


Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/3/30
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

ISO candela diagram on circular web



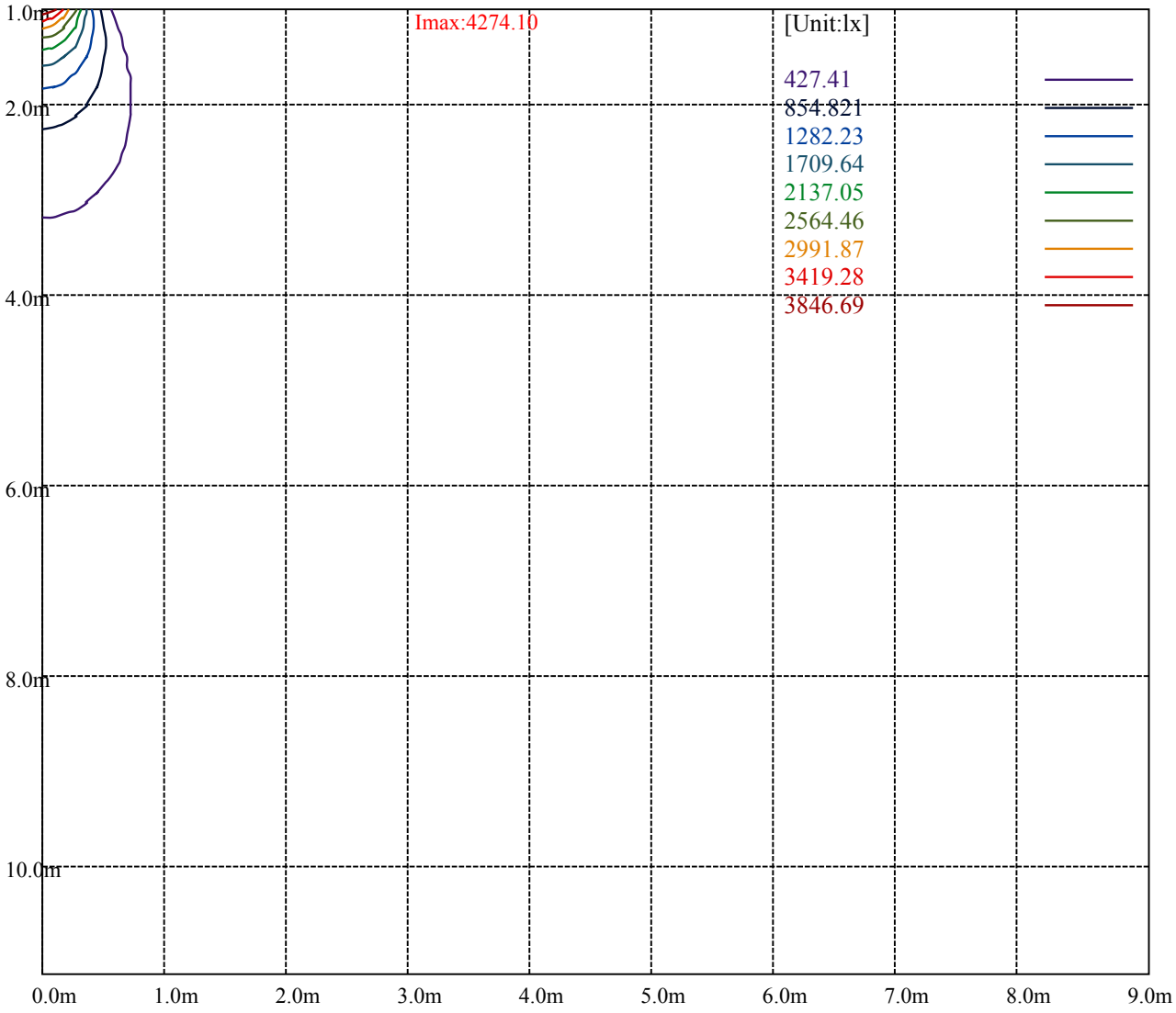
House [Unit:cd] Road

Imax:4274.10

(10%Imax) 427.41
(20%Imax) 854.821
(30%Imax) 1282.23
(40%Imax) 1709.64
(50%Imax) 2137.05
(60%Imax) 2564.46
(70%Imax) 2991.87
(80%Imax) 3419.28
(90%Imax) 3846.69

Equipment: GMS1980 Date: 2024/3/30 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/3/30
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

Luminance Limitting Curve(no luminous side)

Luminance Table

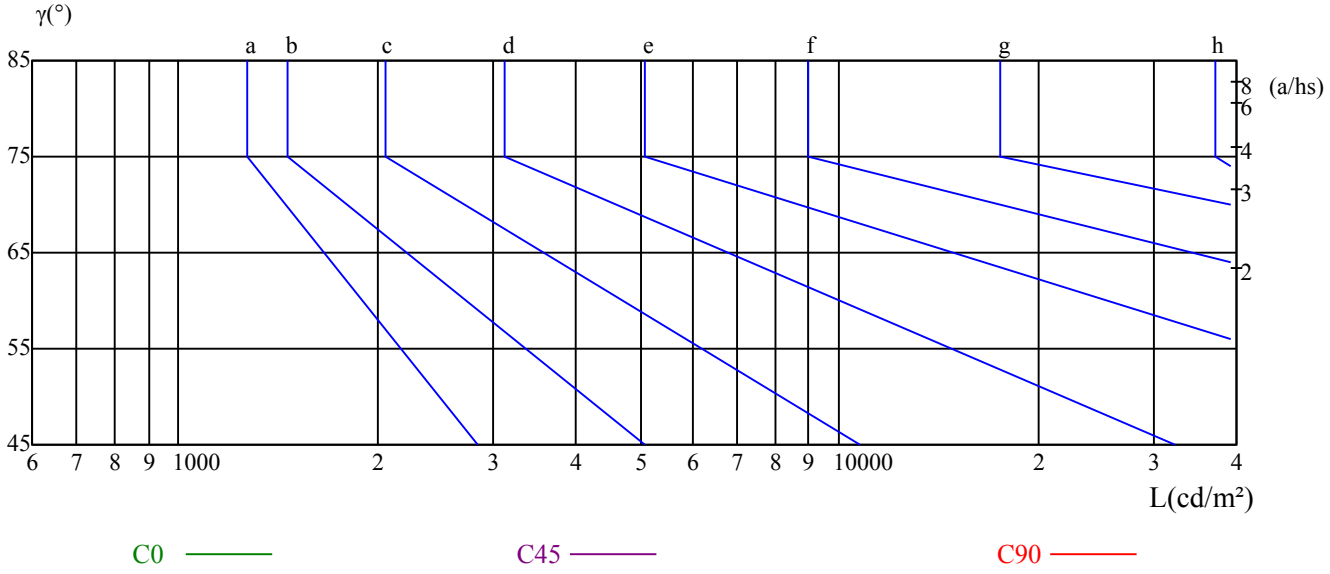
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

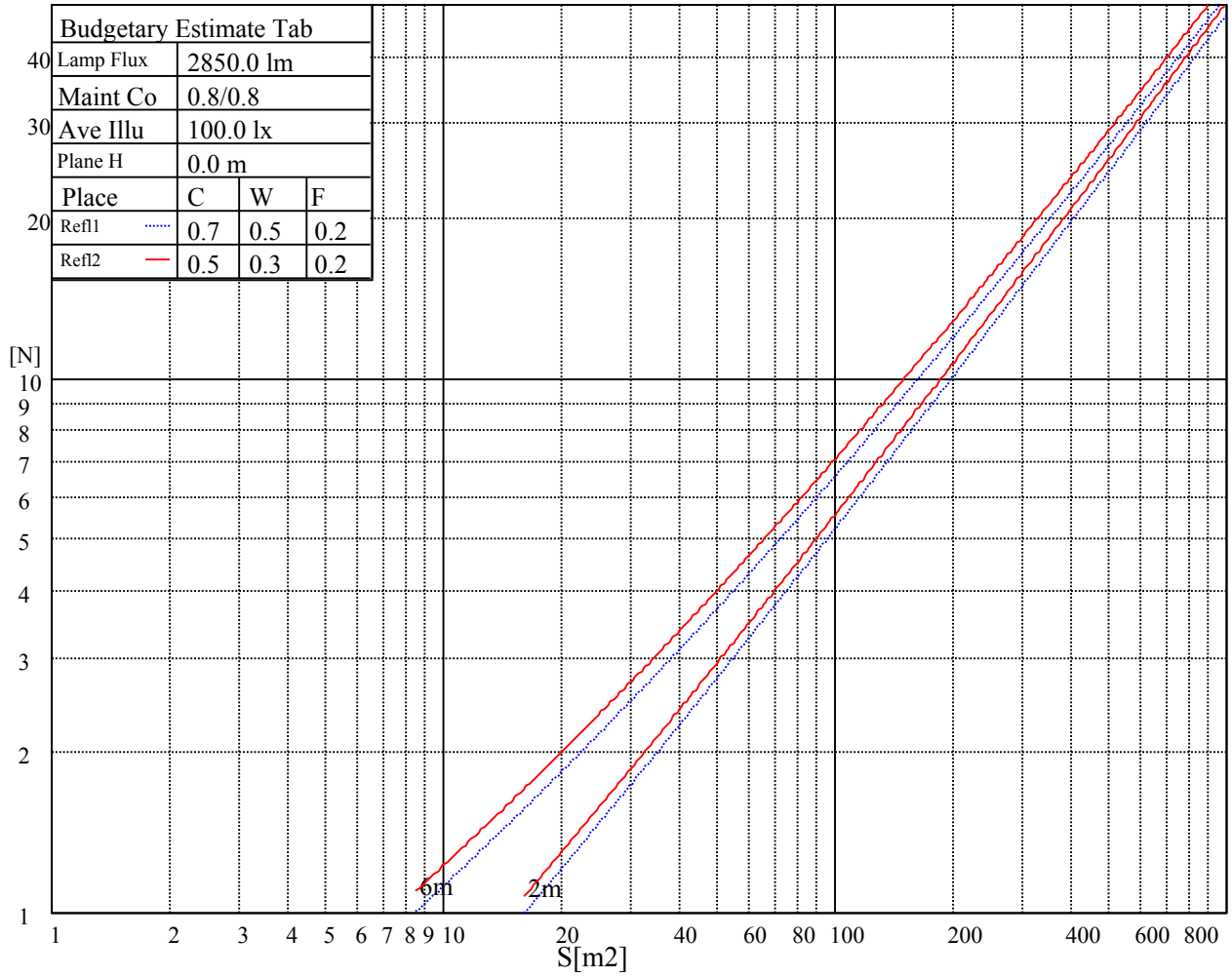
Luminance Limitting Curve



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

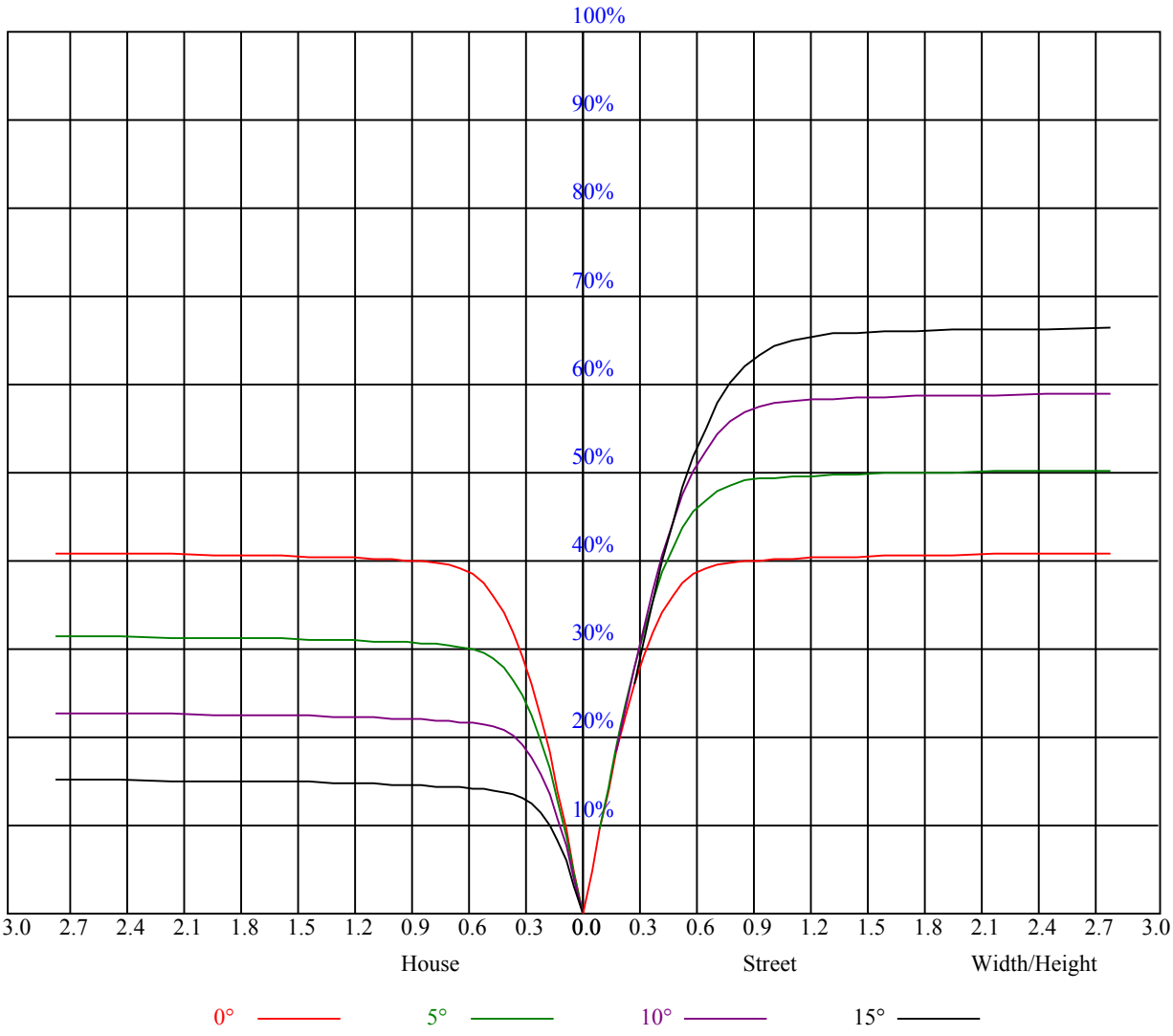


Equipment: GMS1980 Date: 2024/3/30 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

Utilization factor table for indoor luminaire

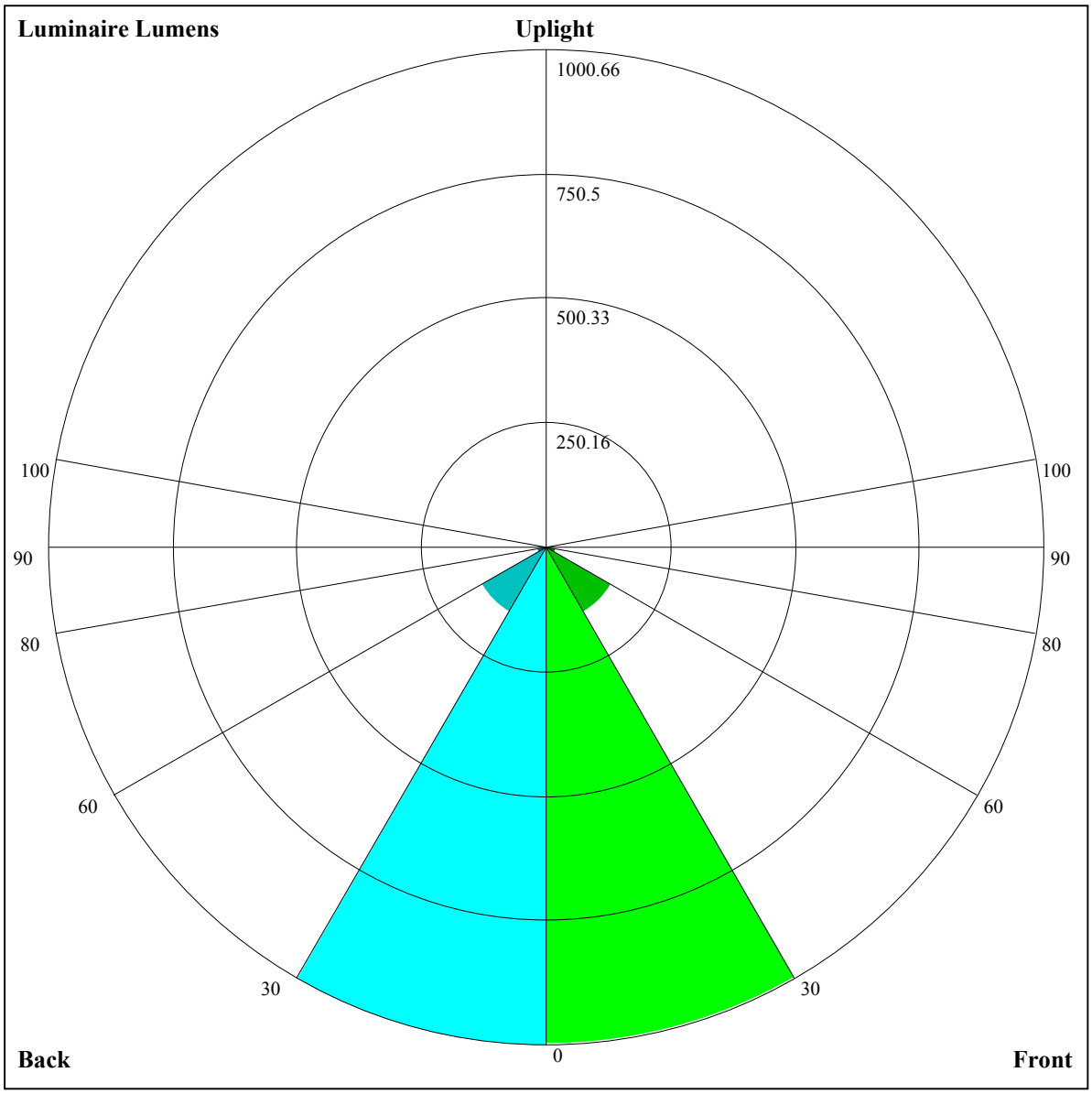
RHOCC	80			70			50			30			10			0
RHOW	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR	COEFFCIENTS OF UTILIZATION RHOFC=20 CU															
0	0.98	0.98	0.98	0.96	0.96	0.96	0.92	0.92	0.92	0.88	0.88	0.88	0.84	0.84	0.84	0.82
1	0.91	0.90	0.88	0.90	0.88	0.86	0.86	0.85	0.84	0.83	0.82	0.81	0.81	0.80	0.79	0.77
2	0.86	0.83	0.80	0.84	0.82	0.79	0.82	0.79	0.77	0.79	0.77	0.76	0.77	0.76	0.74	0.73
3	0.81	0.77	0.74	0.80	0.76	0.73	0.78	0.75	0.72	0.76	0.73	0.71	0.74	0.72	0.70	0.69
4	0.76	0.72	0.69	0.75	0.72	0.69	0.74	0.70	0.68	0.72	0.69	0.67	0.71	0.68	0.66	0.65
5	0.72	0.68	0.65	0.72	0.67	0.64	0.70	0.67	0.64	0.69	0.66	0.63	0.68	0.65	0.63	0.62
6	0.69	0.64	0.61	0.68	0.64	0.61	0.67	0.63	0.60	0.66	0.63	0.60	0.65	0.62	0.60	0.59
7	0.65	0.61	0.58	0.65	0.61	0.58	0.64	0.60	0.57	0.63	0.60	0.57	0.62	0.59	0.57	0.56
8	0.62	0.58	0.55	0.62	0.58	0.55	0.61	0.57	0.55	0.60	0.57	0.54	0.59	0.56	0.54	0.53
9	0.60	0.55	0.52	0.59	0.55	0.52	0.58	0.55	0.52	0.58	0.54	0.52	0.57	0.54	0.52	0.51
10	0.57	0.53	0.50	0.57	0.53	0.50	0.56	0.52	0.50	0.55	0.52	0.50	0.55	0.52	0.49	0.48

Coefficient Utilization Curve



Equipment: GMS1980	Date: 2024/3/30	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65

LCS Graph



Luminaire Lumens:
FL=999.46,FM=149.41,FH=20.65,FVH=6.38
BL=1000.66,BM=149.45,BH=20.44,BVH=6.31
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	4279.22	4271.03	4253.47	4224.80	4175.05	4123.55	4067.96	3983.10	3907.02
45.0	4268.69	4276.30	4271.03	4247.62	4220.70	4180.32	4119.46	4057.42	3974.91
90.0	4275.71	4265.18	4243.52	4207.24	4162.76	4096.63	4036.94	3967.88	3891.80
135.0	4273.37	4273.96	4263.42	4239.43	4206.66	4163.93	4114.78	4041.62	3973.74
180.0	4279.22	4273.96	4258.74	4235.33	4192.03	4148.72	4094.88	4017.63	3947.40
225.0	4268.69	4254.64	4225.38	4189.68	4145.21	4093.71	4013.53	3942.72	3865.47
270.0	4274.54	4270.45	4258.16	4234.75	4194.37	4150.47	4097.80	4036.36	3950.91
315.0	4273.37	4261.08	4233.58	4199.63	4156.91	4090.78	4028.75	3960.86	3865.47
360.0	4279.22	4271.03	4253.47	4224.80	4175.05	4123.55	4067.96	3983.10	3907.02

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	3825.09	3715.07	3617.92	3515.51	3380.32	3265.03	3146.81	3021.58	2860.64
45.0	3900.00	3820.99	3733.21	3618.50	3519.02	3413.68	3301.90	3153.25	3026.84
90.0	3810.46	3700.44	3607.39	3506.14	3399.05	3258.59	3139.79	3012.21	2844.25
135.0	3900.00	3797.00	3706.29	3587.49	3486.24	3377.98	3263.27	3112.29	2981.78
180.0	3869.57	3763.64	3668.83	3569.93	3438.84	3325.89	3208.26	3082.44	2930.87
225.0	3777.10	3660.06	3561.74	3432.99	3324.14	3210.02	3059.61	2932.04	2795.68
270.0	3874.25	3789.39	3699.85	3579.29	3476.30	3369.78	3221.72	3098.82	2949.59
315.0	3780.61	3691.07	3573.44	3471.03	3362.18	3220.55	3101.17	2974.76	2841.91
360.0	3825.09	3715.07	3617.92	3515.51	3380.32	3265.03	3146.81	3021.58	2860.64

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2722.53	2580.90	2430.50	2242.06	2096.92	1957.64	1790.26	1650.39	1466.05
45.0	2895.75	2758.22	2577.39	2429.33	2238.54	2093.41	1955.88	1786.17	1645.71
90.0	2704.38	2521.21	2367.29	2215.14	2033.72	1897.36	1759.83	1617.62	1326.18
135.0	2847.76	2708.48	2525.30	2371.39	2220.99	2076.44	1905.55	1769.78	1591.29
180.0	2786.90	2642.35	2499.55	2307.60	2150.76	2008.55	1848.78	1716.52	1538.03
225.0	2618.36	2469.12	2314.62	2166.56	1990.41	1858.73	1724.72	1580.17	1146.63
270.0	2810.89	2664.59	2480.24	2332.77	2185.29	2032.54	1876.29	1734.67	1590.11
315.0	2661.08	2515.36	2360.86	2210.45	2034.89	1903.21	1736.42	1594.80	1337.30
360.0	2722.53	2580.90	2430.50	2242.06	2096.92	1957.64	1790.26	1650.39	1466.05

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1134.75	1134.75	1033.51	872.10	748.97	629.00	520.62	397.72	310.99
45.0	1492.38	1341.39	1162.90	1024.79	891.36	769.04	623.32	512.13	413.23
90.0	1144.11	1144.11	1008.11	882.87	725.44	609.80	474.27	376.94	290.10
135.0	1440.30	1292.24	1119.01	982.65	855.07	736.27	589.38	483.45	387.48
180.0	1388.80	1244.25	1108.47	942.27	802.99	686.53	570.07	440.73	349.44
225.0	1146.63	1111.58	941.51	815.04	665.34	551.93	452.03	359.45	256.56
270.0	1453.17	1308.62	1124.28	985.58	825.81	699.99	588.79	461.80	367.58
315.0	1156.35	1121.23	981.07	846.41	696.77	581.60	477.25	384.02	282.08
360.0	1134.75	1134.75	1033.51	872.10	748.97	629.00	520.62	397.72	310.99

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	233.50	167.73	104.87	75.67	62.79	54.31	48.98	44.65	42.14
45.0	306.13	306.13	215.07	99.02	74.21	63.03	54.89	49.98	46.58
90.0	196.87	139.46	97.38	70.11	61.80	55.54	50.80	46.82	44.42
135.0	301.45	301.45	141.57	96.27	69.70	61.45	55.25	49.63	46.53
180.0	306.72	306.72	120.03	82.87	64.49	55.42	49.92	46.06	42.72
225.0	186.80	129.28	87.73	62.91	55.36	49.92	45.00	42.31	40.32
270.0	303.79	303.79	133.14	91.59	67.65	55.95	50.33	46.12	43.13
315.0	210.21	149.23	91.82	69.06	57.64	51.44	46.94	43.83	40.85
360.0	233.50	167.73	104.87	75.67	62.79	54.31	48.98	44.65	42.14

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	40.03	37.86	36.34	35.00	33.83	32.54	31.60	30.72	29.96
45.0	43.48	41.49	39.74	38.22	36.58	35.29	34.24	33.24	32.13
90.0	42.31	40.56	38.57	37.28	36.05	34.70	33.71	32.66	31.49
135.0	44.13	41.55	39.85	38.33	36.58	35.35	34.24	33.30	32.19
180.0	40.56	38.39	36.93	35.58	34.35	33.07	32.13	31.31	30.49
225.0	38.04	36.64	35.29	33.88	32.83	32.01	31.19	30.26	29.55
270.0	40.44	38.62	37.04	35.35	34.12	32.83	31.95	31.13	30.37
315.0	38.98	37.34	35.87	34.41	33.30	32.30	31.43	30.43	29.73
360.0	40.03	37.86	36.34	35.00	33.83	32.54	31.60	30.72	29.96

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	29.26	28.44	27.86	27.10	26.51	25.98	25.28	24.76	24.23
45.0	31.25	30.37	29.73	29.09	28.32	27.68	27.15	26.51	25.81
90.0	30.72	30.02	29.14	28.50	27.86	27.27	26.51	25.87	25.28
135.0	31.37	30.61	29.90	29.09	28.44	27.56	26.74	26.10	25.34
180.0	29.55	28.79	28.09	27.33	26.69	26.16	25.40	24.81	24.23
225.0	28.97	28.27	27.56	26.98	26.39	25.75	25.16	24.40	23.88
270.0	29.50	28.91	28.27	27.68	27.04	26.45	25.93	25.34	24.70
315.0	29.03	28.27	27.68	26.98	26.39	25.87	25.16	24.64	24.05
360.0	29.26	28.44	27.86	27.10	26.51	25.98	25.28	24.76	24.23

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	23.53	23.00	22.41	21.83	21.07	20.48	19.84	19.25	18.49
45.0	25.28	24.64	24.05	23.35	22.65	22.06	21.30	20.72	19.96
90.0	24.70	23.94	23.35	22.59	22.41	22.82	23.06	23.23	23.70
135.0	24.76	24.11	23.53	22.77	22.12	21.54	20.89	20.07	19.49
180.0	23.47	22.94	22.30	21.65	20.89	20.31	19.66	19.02	18.32
225.0	23.29	22.47	21.83	21.19	20.60	19.78	19.20	18.67	18.08
270.0	24.11	23.35	22.77	22.24	21.48	20.95	20.48	20.60	21.19
315.0	23.47	22.77	22.18	21.59	21.01	20.25	19.66	19.02	18.32
360.0	23.53	23.00	22.41	21.83	21.07	20.48	19.84	19.25	18.49

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	17.97	17.15	16.56	16.15	15.68	15.33	14.98	14.57	13.93
45.0	19.37	18.84	18.26	17.56	17.21	16.80	16.56	15.86	15.45
90.0	23.41	21.59	20.83	19.61	18.55	17.73	16.97	16.21	15.04
135.0	18.90	18.14	17.38	16.85	16.27	15.92	15.51	15.10	14.75
180.0	17.73	17.15	16.33	15.74	15.27	14.98	14.63	14.40	14.05
225.0	17.26	16.68	16.09	15.63	15.16	14.81	14.40	14.05	13.75
270.0	20.48	19.37	18.14	16.97	15.98	15.39	14.92	14.57	14.22
315.0	17.73	16.85	16.21	15.74	15.33	14.86	14.51	14.10	13.75
360.0	17.97	17.15	16.56	16.15	15.68	15.33	14.98	14.57	13.93

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	13.46	13.05	12.64	12.00	11.29	10.59	10.18	10.01	9.89
45.0	15.10	14.16	13.58	12.82	11.82	10.89	10.42	10.12	9.95
90.0	14.28	13.52	12.70	11.70	10.94	10.36	10.18	10.01	9.83
135.0	14.34	13.81	13.23	12.52	11.47	10.53	10.24	10.07	9.89
180.0	13.64	13.17	12.58	11.82	10.89	10.36	10.12	9.95	9.83
225.0	13.40	13.05	12.29	11.18	10.36	10.12	10.01	9.83	9.83
270.0	13.81	13.46	12.99	12.41	11.59	10.59	10.18	10.01	9.89
315.0	13.28	12.99	12.58	11.82	11.06	10.30	10.07	9.95	9.83
360.0	13.46	13.05	12.64	12.00	11.29	10.59	10.18	10.01	9.89

Intensity data(cd)

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