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

NT

Client:
LumCAT: 2-2688-L
Luminaire: 92.70.429.00
Report No: 2024411-B009
Ballast type: AC

Test No: 2024411-C009	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): 2219.66, Efficiency(%): 82.67% , Luminous Efficacy(lm/W): 120.42
Central intensity(cd): 5454.209, Maximum intensity(cd): 5457.867
Angle of maximum intensity: C=0.0 γ=1.0
Beam Angle(50%Imax): [C0/180]Total=35.0
[C90/270]Total=35.0
Field angle(10%Imax): [C0/180]Total=60.8
[C90/270]Total=60.8
Maximum s/h(1/2): C0_180=0.57 C90_270=0.57
Maximum s/h(1/4): C0_180=0.58 C90_270=0.58
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 82.67%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 97.783%

NT 2-2688-L

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	5454.209	0.000	0	0.00%	0.00%
1.0	5457.867	5.221	5.221	0.19%	0.24%
2.0	5449.235	15.655	20.876	0.58%	0.94%
3.0	5432.410	26.025	46.901	0.97%	2.11%
4.0	5392.029	36.233	83.134	1.35%	3.75%
5.0	5338.115	46.161	129.295	1.72%	5.82%
6.0	5245.211	55.618	184.913	2.07%	8.33%
7.0	5111.341	64.283	249.196	2.39%	11.23%
8.0	4931.823	71.877	321.073	2.68%	14.46%
9.0	4735.407	78.348	399.421	2.92%	17.99%
10.0	4523.921	83.794	483.214	3.12%	21.77%
11.0	4300.950	88.179	571.393	3.28%	25.74%
12.0	4086.246	91.684	663.077	3.41%	29.87%
13.0	3850.107	94.185	757.261	3.51%	34.12%
14.0	3582.148	95.132	852.394	3.54%	38.40%
15.0	3338.840	95.014	947.408	3.54%	42.68%
16.0	3080.098	94.055	1041.463	3.50%	46.92%
17.0	2846.812	92.298	1133.761	3.44%	51.08%
18.0	2607.529	89.930	1223.692	3.35%	55.13%
19.0	2393.336	87.005	1310.696	3.24%	59.05%
20.0	2170.000	83.522	1394.218	3.11%	62.81%
21.0	1953.320	79.176	1473.394	2.95%	66.38%
22.0	1756.099	74.542	1547.937	2.78%	69.74%
23.0	1540.883	69.180	1617.116	2.58%	72.85%
24.0	1321.131	62.574	1679.69	2.33%	75.67%
25.0	1235.030	58.121	1737.812	2.16%	78.29%
26.0	1092.761	54.948	1792.759	2.05%	80.77%
27.0	954.400	50.084	1842.844	1.87%	83.02%
28.0	818.518	44.887	1887.73	1.67%	85.05%
29.0	696.930	39.648	1927.378	1.48%	86.83%
30.0	582.782	34.552	1961.93	1.29%	88.39%
31.0	489.731	29.846	1991.777	1.11%	89.73%
32.0	408.941	25.746	2017.523	0.96%	90.89%
33.0	331.011	21.799	2039.322	0.81%	91.88%
34.0	271.259	18.226	2057.548	0.68%	92.70%
35.0	240.249	15.886	2073.434	0.59%	93.41%
36.0	174.331	13.200	2086.634	0.49%	94.01%
37.0	127.126	9.832	2096.466	0.37%	94.45%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	101.544	7.633	2104.099	0.28%	94.79%
39.0	81.010	6.231	2110.33	0.23%	95.07%
40.0	66.672	5.151	2115.481	0.19%	95.31%
41.0	56.503	4.386	2119.867	0.16%	95.50%
42.0	49.678	3.858	2123.724	0.14%	95.68%
43.0	45.216	3.515	2127.24	0.13%	95.84%
44.0	41.844	3.286	2130.526	0.12%	95.98%
45.0	39.093	3.110	2133.636	0.12%	96.12%
46.0	36.862	2.970	2136.606	0.11%	96.26%
47.0	35.004	2.858	2139.465	0.11%	96.39%
48.0	33.468	2.768	2142.233	0.10%	96.51%
49.0	32.012	2.689	2144.922	0.10%	96.63%
50.0	30.702	2.615	2147.536	0.10%	96.75%
51.0	29.554	2.549	2150.086	0.09%	96.87%
52.0	28.486	2.491	2152.576	0.09%	96.98%
53.0	27.476	2.434	2155.011	0.09%	97.09%
54.0	26.430	2.376	2157.387	0.09%	97.19%
55.0	25.530	2.319	2159.706	0.09%	97.30%
56.0	24.609	2.266	2161.972	0.08%	97.40%
57.0	23.731	2.210	2164.182	0.08%	97.50%
58.0	22.780	2.151	2166.333	0.08%	97.60%
59.0	21.975	2.092	2168.425	0.08%	97.69%
60.0	21.163	2.038	2170.463	0.08%	97.78%
61.0	20.432	1.985	2172.448	0.07%	97.87%
62.0	19.729	1.935	2174.383	0.07%	97.96%
63.0	19.049	1.886	2176.269	0.07%	98.05%
64.0	18.493	1.842	2178.111	0.07%	98.13%
65.0	17.952	1.804	2179.915	0.07%	98.21%
66.0	17.454	1.767	2181.682	0.07%	98.29%
67.0	16.964	1.731	2183.412	0.06%	98.37%
68.0	16.650	1.703	2185.115	0.06%	98.44%
69.0	16.606	1.697	2186.812	0.06%	98.52%
70.0	16.730	1.712	2188.524	0.06%	98.60%
71.0	17.015	1.744	2190.268	0.06%	98.68%
72.0	17.564	1.798	2192.066	0.07%	98.76%
73.0	18.259	1.873	2193.939	0.07%	98.84%
74.0	18.910	1.954	2195.893	0.07%	98.93%
75.0	19.525	2.031	2197.924	0.08%	99.02%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	19.261	2.059	2199.983	0.08%	99.11%
77.0	18.654	2.021	2202.004	0.08%	99.20%
78.0	17.645	1.943	2203.947	0.07%	99.29%
79.0	15.772	1.795	2205.743	0.07%	99.37%
80.0	14.309	1.622	2207.365	0.06%	99.45%
81.0	12.999	1.477	2208.841	0.06%	99.51%
82.0	12.260	1.370	2210.211	0.05%	99.57%
83.0	12.063	1.322	2211.533	0.05%	99.63%
84.0	11.982	1.310	2212.843	0.05%	99.69%
85.0	11.492	1.281	2214.125	0.05%	99.75%
86.0	10.615	1.208	2215.333	0.05%	99.80%
87.0	10.000	1.128	2216.461	0.04%	99.86%
88.0	9.810	1.085	2217.546	0.04%	99.90%
89.0	9.627	1.065	2218.612	0.04%	99.95%
90.0	9.554	1.052	2219.663	0.04%	100.00%

Zonal flux distribution table

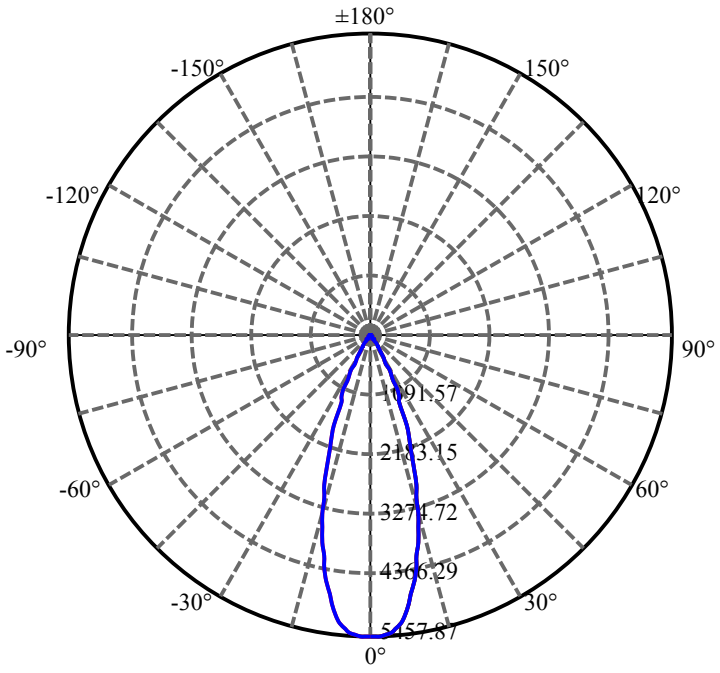
ZONAL LUMEN SUMMARY

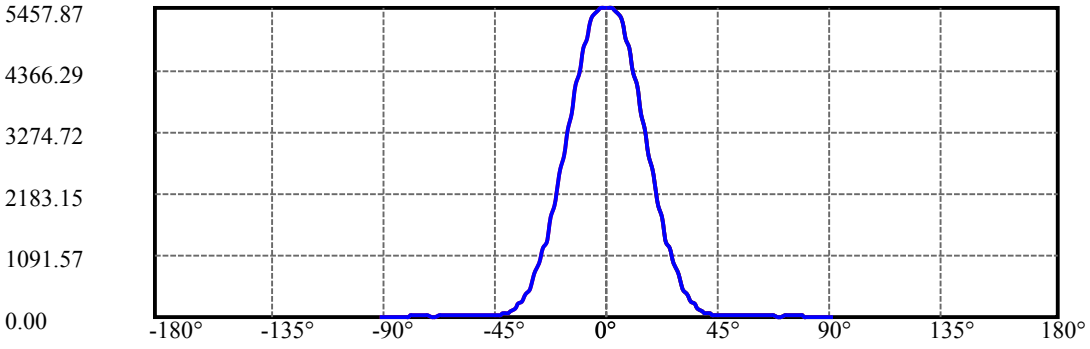
Zone	Lumens	%Lamp	%Fixt
0-30	1961.93	73.07%	88.39%
0-40	2115.48	78.79%	95.31%
0-60	2170.46	80.84%	97.78%
0-90	2218.61	82.63%	99.95%
0-120	2218.61	82.63%	99.95%
0-180	2219.66	82.67%	100.00%
60-90	48.15	1.79%	2.17%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-25.69	1775.73	66.14%	80.00%

ZONAL LUMEN SUMMARY

0-10	483.21
10-20	911.00
20-30	567.71
30-40	153.55
40-50	32.06
50-60	22.93
60-70	18.06
70-80	18.84
80-90	11.25
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):

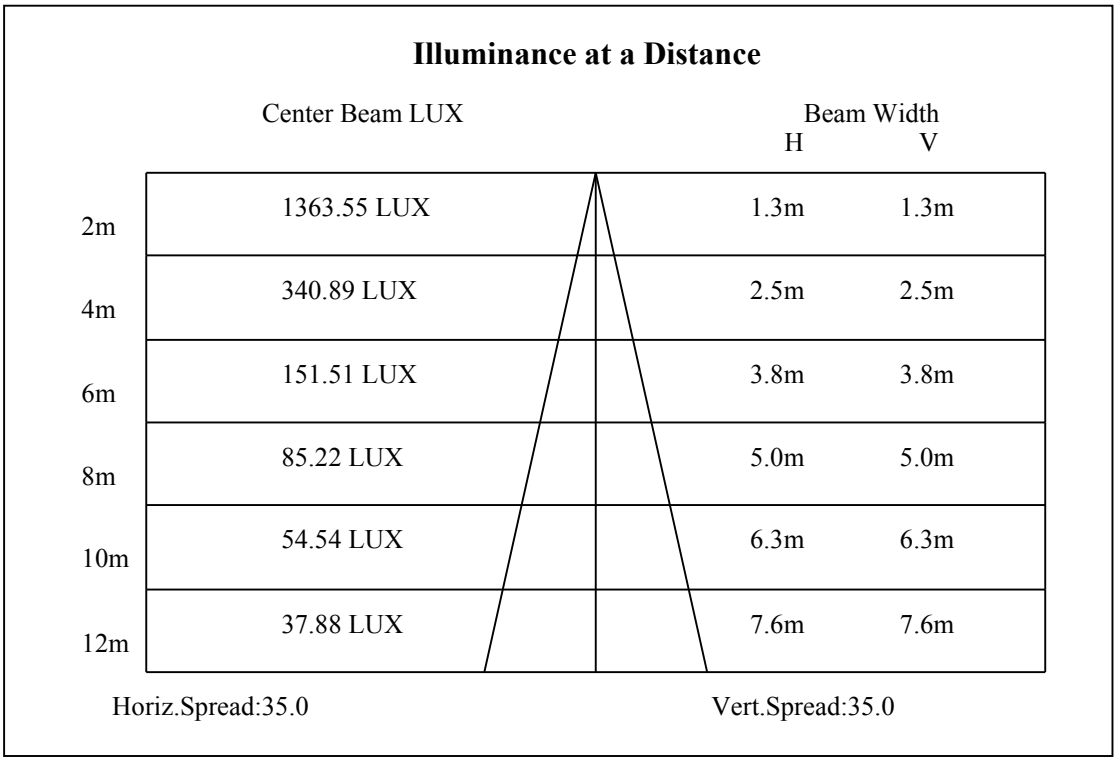
C0/C180:

C90/C270:

Field angle(10%Imax):C0/180Left:31.4 Right:29.4
:C90/270Left:31.4 Right:29.4

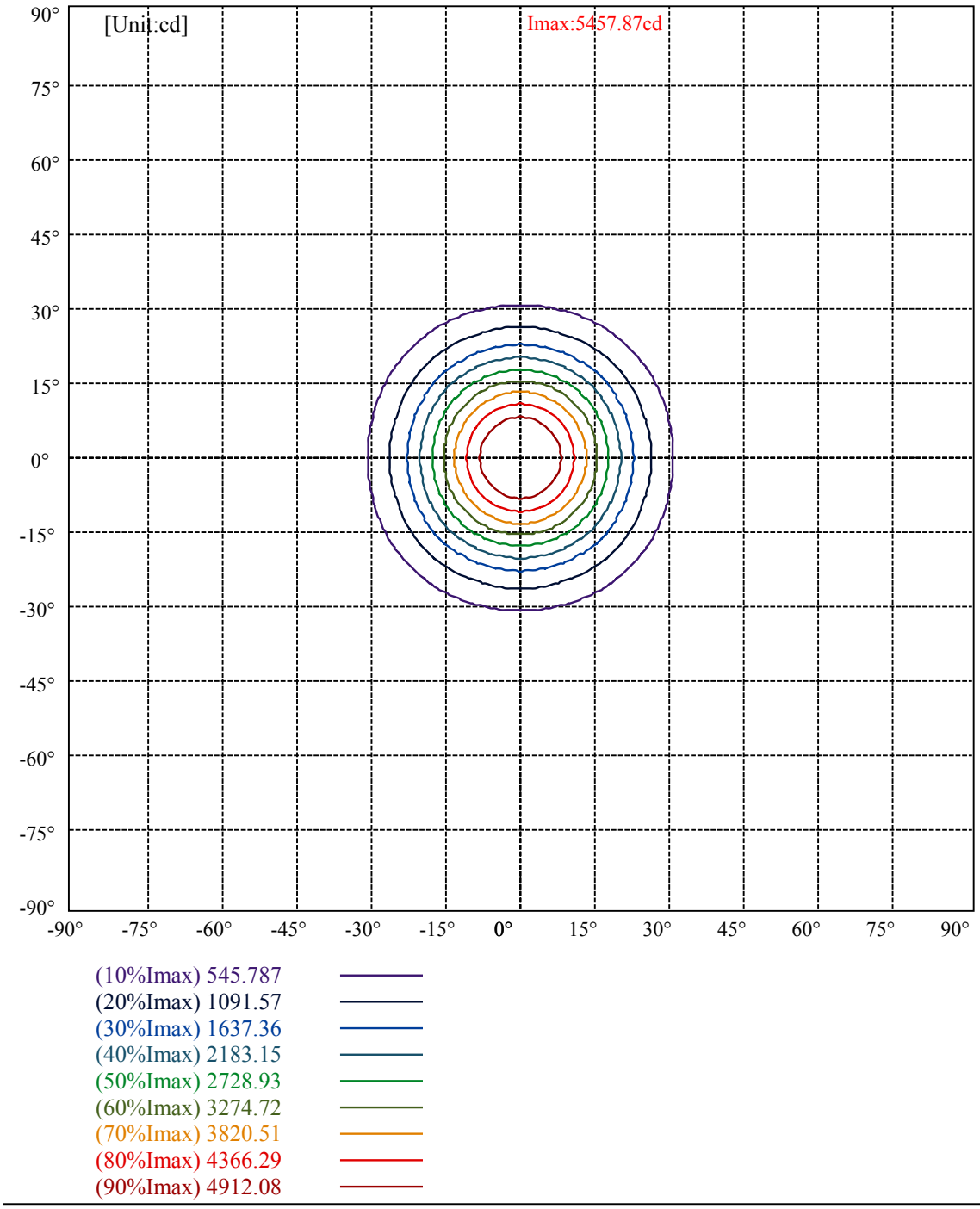
Beam Angle(50%Imax):C0/180Left:18.5 Right:16.5
:C90/270Left:18.5 Right:16.5

Lux distance Curve



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

ISO-Intensity(V-H)

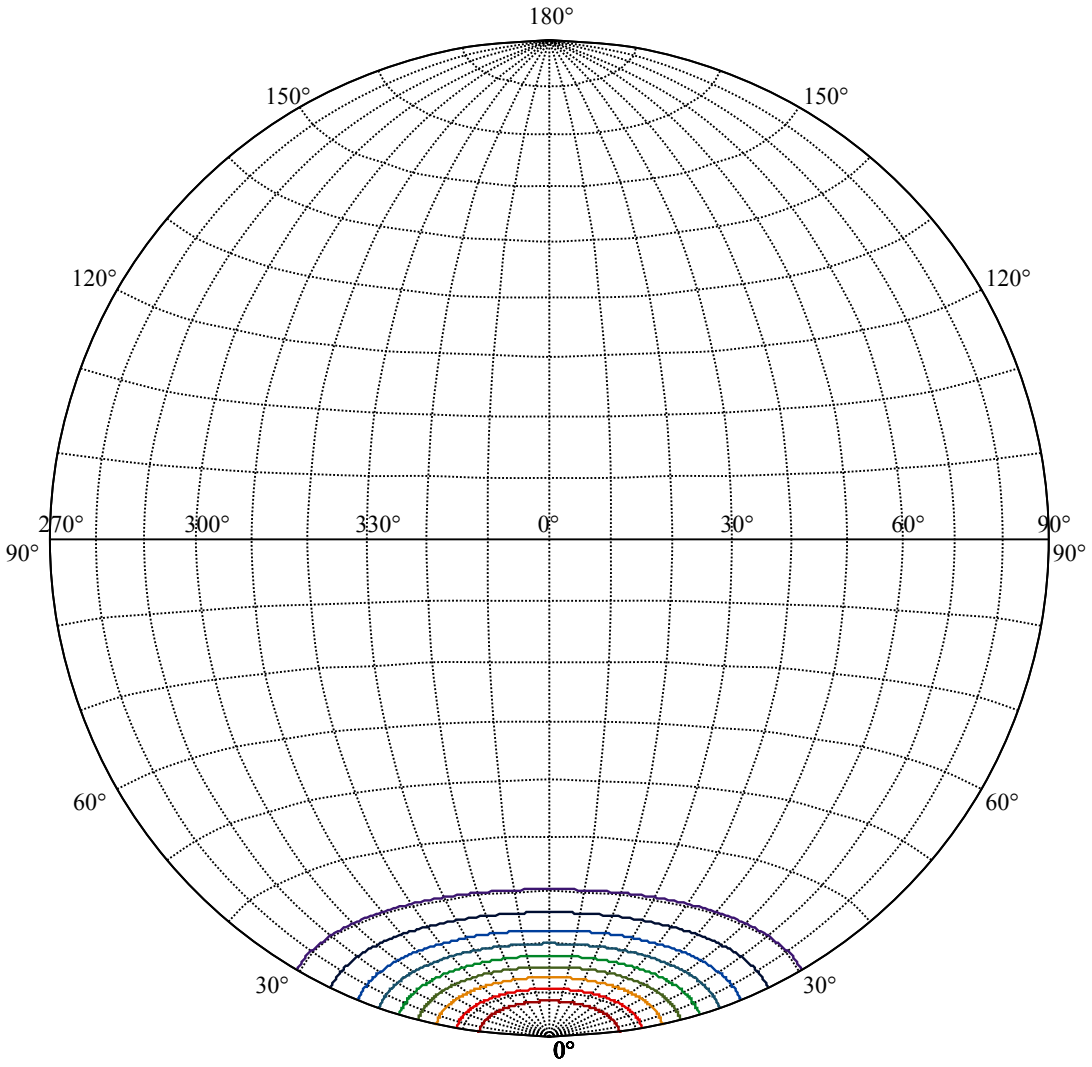


Equipment: GMS1980
Temperature(°C): 25.0

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

Operator: NT07
Distance(m): 7.65

ISO candela diagram on circular web



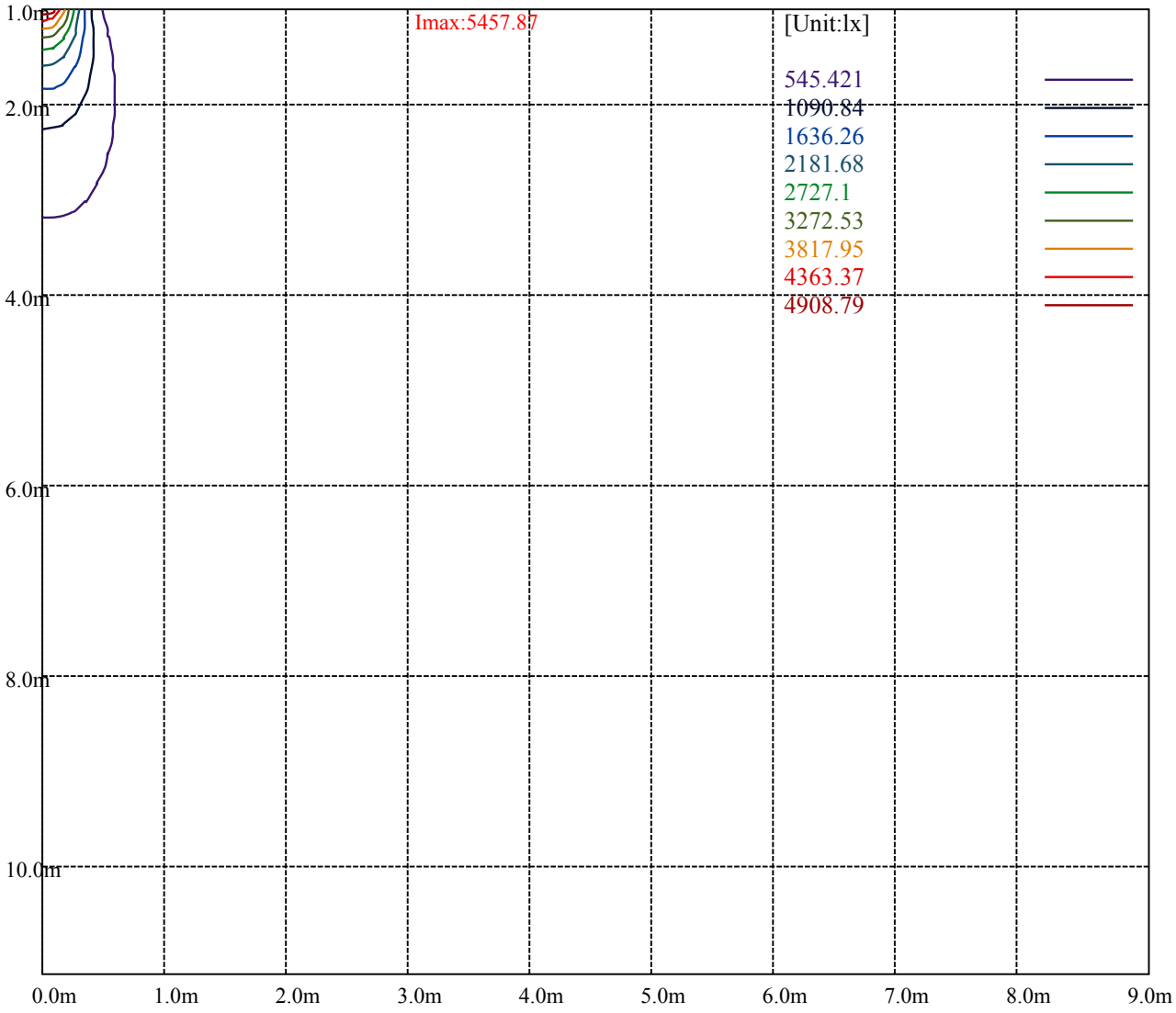
House [Unit:cd] Road

Imax:5457.87

(10%Imax) 545.787
(20%Imax) 1091.57
(30%Imax) 1637.36
(40%Imax) 2183.15
(50%Imax) 2728.93
(60%Imax) 3274.72
(70%Imax) 3820.51
(80%Imax) 4366.29
(90%Imax) 4912.08

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

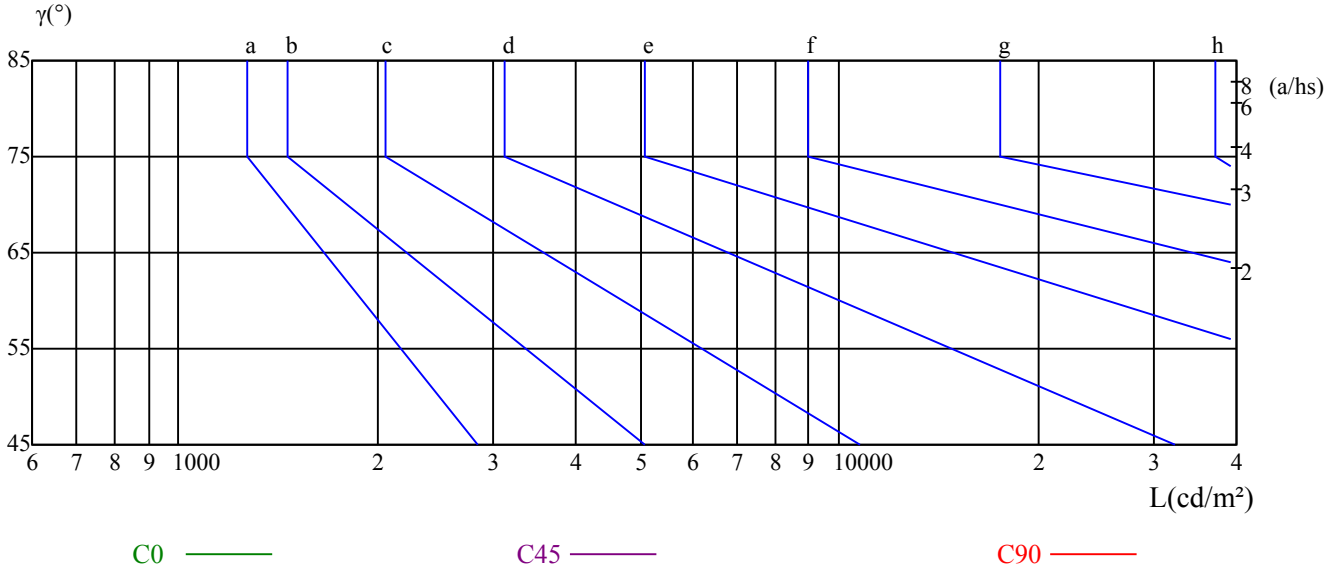
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

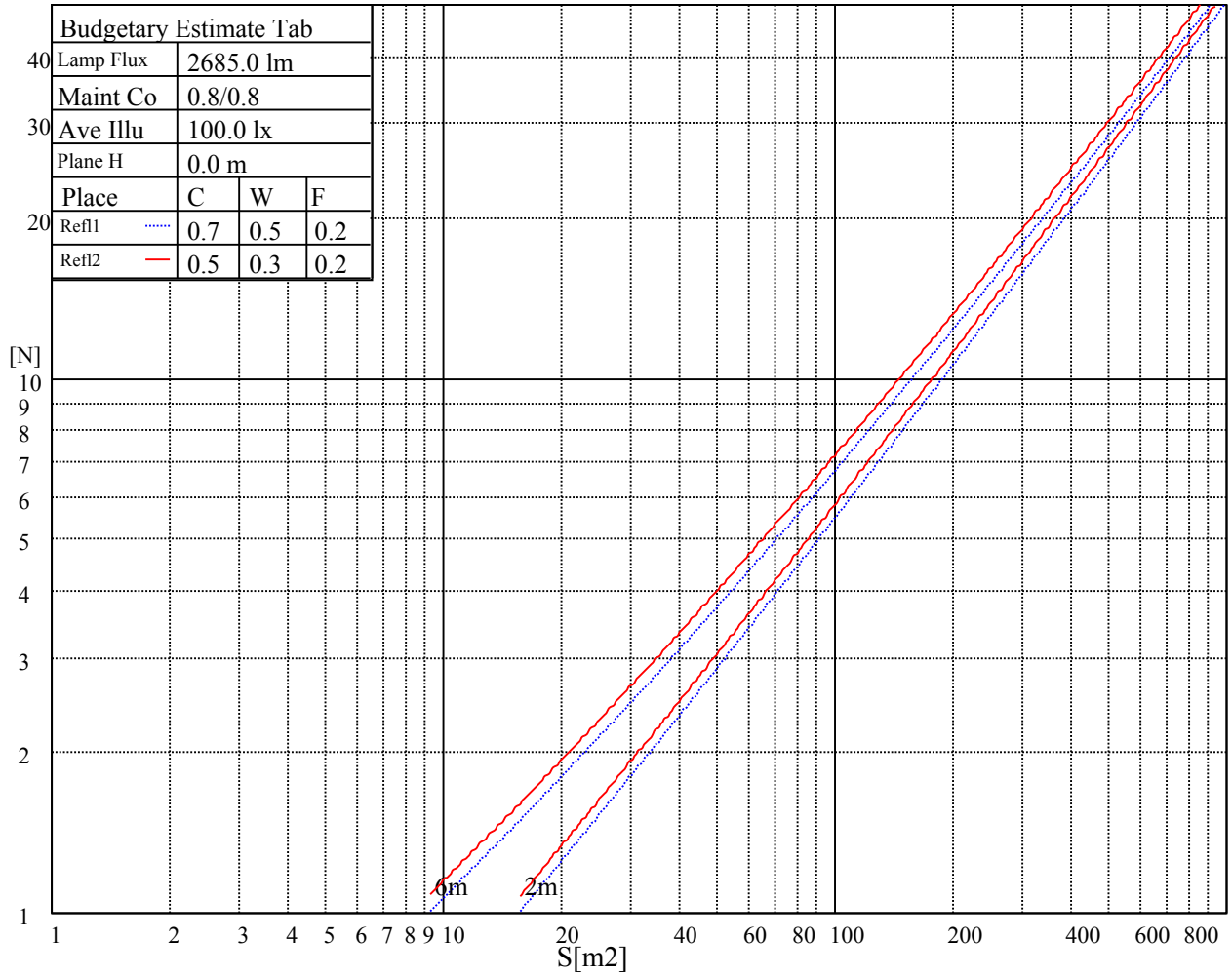
Luminance Limitting Curve



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

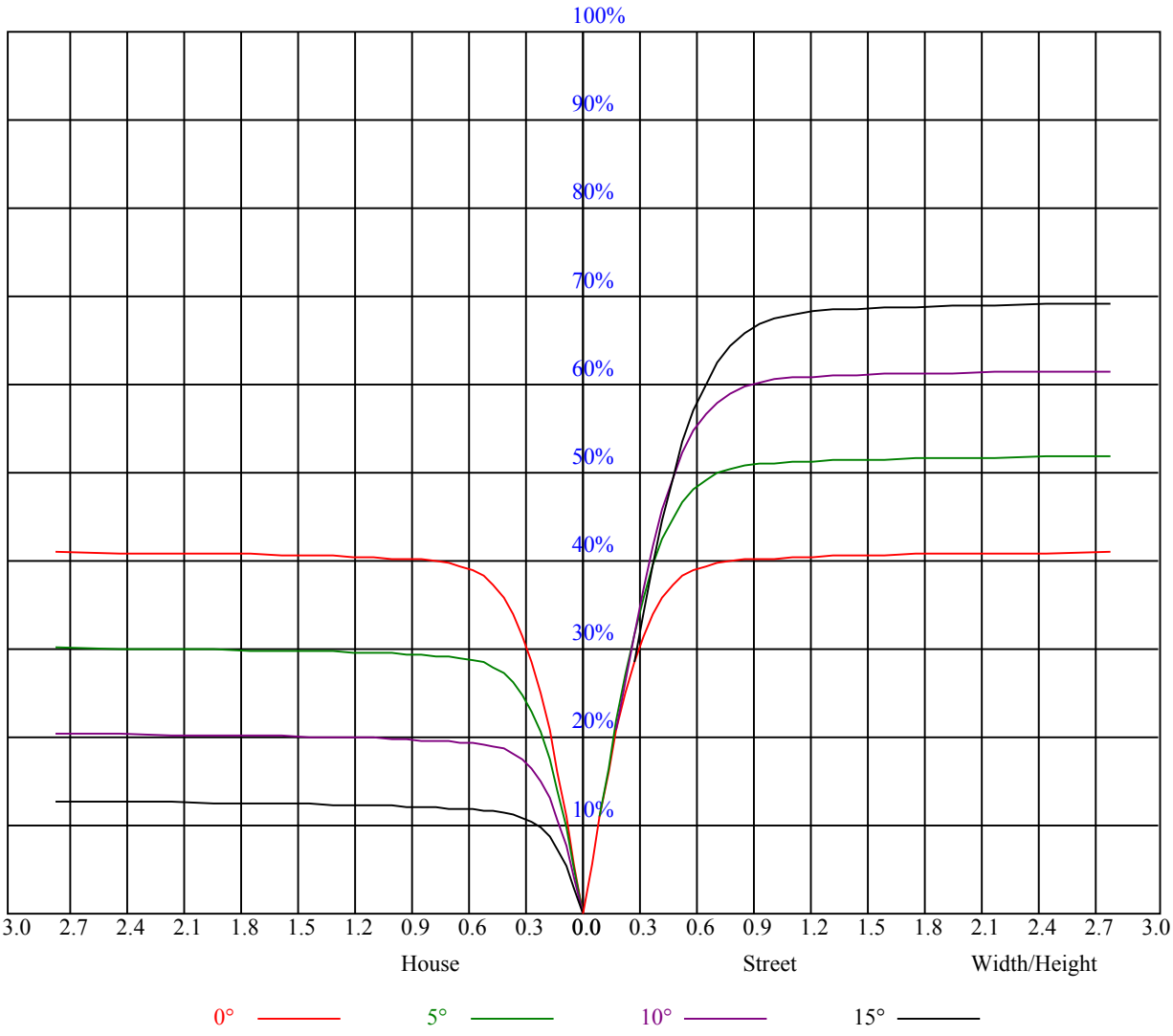


Equipment: GMS1980 Date: 2024/4/11 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

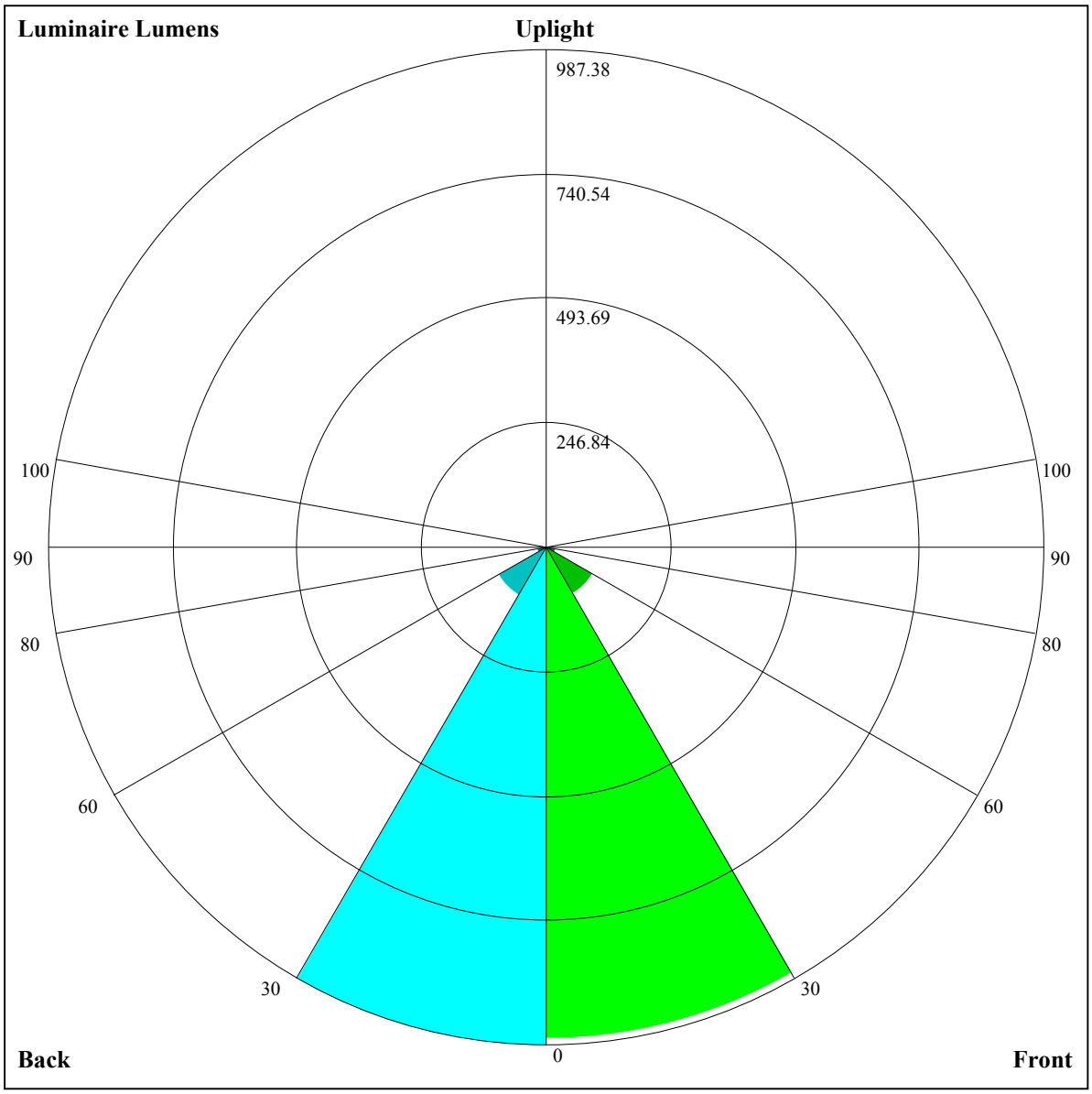
Utilization factor table for indoor luminaire

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	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	0.83
1	0.92	0.90	0.89	0.90	0.89	0.87	0.87	0.86	0.84	0.84	0.83	0.82	0.81	0.80	0.80	0.78
2	0.87	0.84	0.81	0.85	0.83	0.80	0.83	0.81	0.79	0.80	0.79	0.77	0.78	0.77	0.75	0.74
3	0.82	0.79	0.76	0.81	0.78	0.75	0.79	0.76	0.74	0.77	0.75	0.73	0.75	0.73	0.72	0.70
4	0.78	0.74	0.71	0.77	0.73	0.71	0.75	0.72	0.70	0.74	0.71	0.69	0.72	0.70	0.68	0.67
5	0.74	0.70	0.67	0.74	0.70	0.67	0.72	0.69	0.66	0.71	0.68	0.66	0.70	0.67	0.65	0.64
6	0.71	0.67	0.64	0.70	0.66	0.64	0.69	0.66	0.63	0.68	0.65	0.63	0.67	0.64	0.62	0.61
7	0.68	0.64	0.61	0.67	0.64	0.61	0.66	0.63	0.60	0.66	0.62	0.60	0.65	0.62	0.60	0.59
8	0.65	0.61	0.58	0.65	0.61	0.58	0.64	0.60	0.58	0.63	0.60	0.58	0.62	0.60	0.57	0.57
9	0.63	0.59	0.56	0.62	0.58	0.56	0.62	0.58	0.56	0.61	0.58	0.55	0.60	0.57	0.55	0.54
10	0.60	0.56	0.54	0.60	0.56	0.54	0.59	0.56	0.53	0.59	0.56	0.53	0.58	0.55	0.53	0.52

Coefficient Utilization Curve



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



Luminaire Lumens:
FL=975.44,FM=105.02,FH=19.07,FVH=6.31
BL=987.38,BM=108.52,BH=18.88,BVH=6.08
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	5449.09	5477.76	5476.01	5452.60	5422.17	5361.89	5258.31	5096.20	4867.37
45.0	5452.60	5447.92	5442.65	5458.45	5429.78	5385.30	5325.61	5246.60	5086.83
90.0	5453.77	5431.53	5426.85	5389.98	5329.12	5277.62	5204.46	5038.85	4860.94
135.0	5461.38	5452.60	5422.17	5415.73	5394.08	5333.80	5258.89	5190.42	5064.01
180.0	5449.09	5449.67	5436.80	5432.70	5374.18	5327.36	5255.96	5148.87	4986.76
225.0	5452.60	5455.53	5435.04	5399.34	5353.70	5280.54	5142.43	4970.96	4786.61
270.0	5453.77	5463.72	5475.42	5460.21	5425.68	5396.42	5326.78	5192.76	4983.83
315.0	5461.38	5484.20	5478.93	5450.26	5407.54	5341.99	5189.25	5006.07	4818.22
360.0	5449.09	5477.76	5476.01	5452.60	5422.17	5361.89	5258.31	5096.20	4867.37

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	4670.15	4476.44	4228.89	4003.00	3760.71	3446.45	3204.75	2977.68	2710.24
45.0	4906.58	4704.10	4455.38	4251.72	4035.77	3804.02	3576.37	3265.61	3031.52
90.0	4660.79	4414.41	4212.51	4005.92	3784.71	3492.10	3255.67	3023.33	2807.38
135.0	4856.84	4670.15	4472.93	4232.41	4025.82	3795.83	3573.44	3271.47	3039.13
180.0	4766.72	4575.35	4390.42	4196.12	3932.77	3705.70	3465.76	3216.46	2945.50
225.0	4588.22	4343.60	4141.70	3925.16	3646.01	3410.16	3114.04	2894.00	2673.37
270.0	4809.44	4619.82	4391.59	4183.83	3950.33	3649.52	3406.07	3101.17	2889.90
315.0	4624.51	4387.49	4114.19	3891.80	3664.74	3353.40	3114.63	2891.07	2677.46
360.0	4670.15	4476.44	4228.89	4003.00	3760.71	3446.45	3204.75	2977.68	2710.24

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2499.55	2288.87	2084.04	1842.93	1666.78	1505.26	1141.66	1141.66	1040.65
45.0	2754.71	2548.71	2342.13	2083.46	1890.34	1711.26	1545.64	1352.51	1206.79
90.0	2548.13	2339.79	2131.45	1889.16	1704.23	1494.72	1159.39	1159.39	1058.96
135.0	2822.01	2607.82	2349.74	2143.74	1947.10	1717.11	1547.39	1352.51	1203.28
180.0	2734.81	2512.43	2256.69	2057.12	1859.32	1628.15	1462.54	1313.30	1135.40
225.0	2408.84	2198.16	1999.77	1811.92	1597.72	1325.59	1145.87	1145.87	979.90
270.0	2681.56	2449.23	2196.99	1988.07	1784.99	1611.18	1414.55	1262.97	1130.13
315.0	2410.60	2201.67	1999.19	1810.16	1598.31	1333.79	1152.02	1152.02	986.98
360.0	2499.55	2288.87	2084.04	1842.93	1666.78	1505.26	1141.66	1141.66	1040.65

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	910.55	755.99	647.26	528.87	447.40	372.44	305.90	233.68	186.04
45.0	1067.51	935.25	781.92	672.48	575.92	468.24	391.57	322.52	306.13
90.0	895.69	774.25	664.35	567.38	461.04	386.07	318.54	258.73	196.40
135.0	1062.83	928.81	775.48	666.04	570.07	482.87	386.31	317.25	302.03
180.0	991.43	865.61	746.81	609.86	515.64	443.66	363.48	295.01	295.01
225.0	854.02	734.28	625.37	509.38	426.92	351.95	270.73	217.00	164.33
270.0	990.26	838.69	723.98	589.38	504.52	424.35	335.39	303.79	303.79
315.0	862.91	715.26	610.27	518.86	416.33	341.95	276.17	222.09	168.25
360.0	910.55	755.99	647.26	528.87	447.40	372.44	305.90	233.68	186.04

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	147.59	117.98	89.89	73.74	62.38	52.79	47.75	44.07	40.44
45.0	235.49	145.55	115.87	92.99	76.14	61.68	54.25	48.92	45.12
90.0	156.55	118.33	95.45	78.13	63.38	55.54	49.98	45.06	42.14
135.0	232.57	154.38	123.07	93.69	76.72	64.37	54.43	48.81	44.83
180.0	181.19	134.43	109.03	87.73	68.24	58.11	48.92	44.77	41.43
225.0	130.62	104.23	83.86	65.90	56.24	49.57	45.00	41.02	38.62
270.0	175.98	134.08	107.80	87.14	71.69	58.46	51.56	46.88	42.60
315.0	134.66	108.03	87.37	68.76	58.58	51.50	45.53	42.19	39.56
360.0	147.59	117.98	89.89	73.74	62.38	52.79	47.75	44.07	40.44

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	38.22	36.23	34.12	32.71	31.43	29.96	28.91	27.92	26.92
45.0	41.43	39.09	37.04	35.41	33.53	32.19	30.67	29.67	28.73
90.0	39.74	37.63	35.35	33.88	32.60	31.37	30.02	29.09	28.09
135.0	41.08	38.74	36.69	34.88	33.01	31.72	30.55	29.50	28.32
180.0	38.80	36.17	34.47	32.89	31.72	30.14	29.09	28.09	26.98
225.0	36.52	34.47	33.07	31.84	30.37	29.44	28.50	27.27	26.34
270.0	40.03	37.34	35.58	34.06	32.66	31.08	30.02	28.97	27.97
315.0	36.93	35.23	33.71	32.07	30.78	29.73	28.68	27.39	26.45
360.0	38.22	36.23	34.12	32.71	31.43	29.96	28.91	27.92	26.92

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	25.81	24.93	24.11	23.17	22.18	21.48	20.60	19.84	19.25
45.0	27.51	26.63	25.87	25.05	23.94	23.12	22.41	21.71	20.83
90.0	26.98	26.10	25.11	24.17	23.29	22.53	21.59	20.89	20.13
135.0	27.39	26.22	25.40	24.52	23.47	22.65	21.83	21.07	20.13
180.0	25.98	25.16	24.11	23.29	22.47	21.42	20.78	20.07	19.43
225.0	25.52	24.70	23.70	22.88	22.12	21.42	20.54	19.84	19.31
270.0	26.69	25.81	24.99	24.05	23.00	22.18	21.30	20.60	19.90
315.0	25.57	24.70	23.58	22.71	21.77	21.01	20.25	19.43	18.84
360.0	25.81	24.93	24.11	23.17	22.18	21.48	20.60	19.84	19.25

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	18.61	18.08	17.62	17.21	16.74	16.44	16.09	15.80	15.45
45.0	20.19	19.72	19.08	18.49	17.91	17.50	17.03	16.74	16.27
90.0	19.55	18.84	18.32	17.85	17.32	17.32	18.67	20.89	22.53
135.0	19.43	18.84	18.32	17.67	17.09	16.68	16.21	15.74	15.33
180.0	18.61	18.14	17.67	17.15	16.62	16.27	15.86	15.39	15.04
225.0	18.61	18.14	17.44	17.09	16.68	16.44	17.21	18.20	19.84
270.0	19.14	18.61	18.08	17.44	17.03	16.68	16.27	15.86	16.74
315.0	18.26	17.56	17.09	16.74	16.33	15.86	15.51	15.22	14.92
360.0	18.61	18.08	17.62	17.21	16.74	16.44	16.09	15.80	15.45

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	15.16	14.92	14.57	14.46	14.34	13.99	13.52	13.23	12.93
45.0	16.85	18.49	20.89	24.23	25.69	26.39	25.93	21.24	17.85
90.0	23.99	26.04	27.39	28.38	27.51	26.63	24.70	21.77	18.32
135.0	14.92	14.69	14.40	14.16	14.05	13.87	13.75	13.58	13.40
180.0	14.69	14.46	14.22	14.10	13.93	13.81	13.58	13.34	12.87
225.0	22.00	23.17	23.58	23.47	21.30	18.49	15.33	12.70	12.23
270.0	18.32	20.01	22.18	23.58	23.58	22.59	21.13	17.38	14.16
315.0	14.57	14.28	14.05	13.81	13.69	13.46	13.23	12.93	12.70
360.0	15.16	14.92	14.57	14.46	14.34	13.99	13.52	13.23	12.93

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	12.76	12.64	12.70	12.87	12.99	11.18	10.01	9.89	9.60
45.0	14.63	12.70	12.29	12.41	12.47	12.58	10.59	10.24	9.77
90.0	14.34	11.88	11.47	11.18	10.89	10.30	9.95	9.71	9.54
135.0	13.23	12.99	12.58	12.06	11.41	10.30	10.01	9.83	9.71
180.0	12.47	12.23	12.06	11.94	10.48	10.18	9.95	9.77	9.71
225.0	12.11	12.00	12.00	12.17	10.42	10.07	9.71	9.71	9.54
270.0	12.17	11.53	11.41	11.29	11.29	10.30	9.95	9.71	9.54
315.0	12.29	12.11	12.00	11.94	12.00	10.01	9.83	9.60	9.60
360.0	12.76	12.64	12.70	12.87	12.99	11.18	10.01	9.89	9.60

Intensity data(cd)

C/γ(°)	90.0
0.0	9.66
45.0	9.54
90.0	9.54
135.0	9.54
180.0	9.54
225.0	9.54
270.0	9.54
315.0	9.54
360.0	9.66