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NT

Client:
LumCAT: 2-2759-L
Luminaire: 92.70.412.00
Report No: 2024813-B019
Ballast type: AC

Test No: 2024813-C019	Voltage(V): 35.100
LampCAT: TRIDONIC SLE G7 15MM	Current(A): 0.702
Lamp flux(lm): 4107.0	Power (W): 24.640
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 3861.53, Efficiency(%): 94.02% , Luminous Efficacy(lm/W): 156.72
Central intensity(cd): 7952.827, Maximum intensity(cd): 7952.827
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=38.0
[C90/270]Total=38.0
Field angle(10%Imax): [C0/180]Total=67.2
[C90/270]Total=67.2
Maximum s/h(1/2): C0_180=0.61 C90_270=0.61
Maximum s/h(1/4): C0_180=0.64 C90_270=0.64
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 94.02%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 97.858%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	7952.827	0.000	0	0.00%	0.00%
1.0	7932.783	7.601	7.601	0.19%	0.20%
2.0	7882.235	22.699	30.3	0.55%	0.78%
3.0	7803.156	37.514	67.814	0.91%	1.76%
4.0	7693.719	51.873	119.687	1.26%	3.10%
5.0	7549.022	65.573	185.261	1.60%	4.80%
6.0	7371.772	78.413	263.674	1.91%	6.83%
7.0	7151.654	90.147	353.82	2.19%	9.16%
8.0	6918.442	100.697	454.517	2.45%	11.77%
9.0	6680.768	110.214	564.732	2.68%	14.62%
10.0	6413.393	118.497	683.229	2.89%	17.69%
11.0	6136.143	125.396	808.625	3.05%	20.94%
12.0	5883.545	131.392	940.017	3.20%	24.34%
13.0	5607.392	136.368	1076.385	3.32%	27.87%
14.0	5324.801	139.931	1216.317	3.41%	31.50%
15.0	5059.109	142.555	1358.872	3.47%	35.19%
16.0	4774.690	144.093	1502.964	3.51%	38.92%
17.0	4504.682	144.505	1647.469	3.52%	42.66%
18.0	4220.262	143.855	1791.324	3.50%	46.39%
19.0	3971.103	142.513	1933.837	3.47%	50.08%
20.0	3709.215	140.571	2074.409	3.42%	53.72%
21.0	3453.032	137.530	2211.938	3.35%	57.28%
22.0	3216.528	134.028	2345.966	3.26%	60.75%
23.0	2965.174	129.709	2475.675	3.16%	64.11%
24.0	2737.375	124.678	2600.353	3.04%	67.34%
25.0	2521.281	119.570	2719.923	2.91%	70.44%
26.0	2314.550	114.150	2834.074	2.78%	73.39%
27.0	2096.408	107.915	2941.989	2.63%	76.19%
28.0	1894.139	101.032	3043.021	2.46%	78.80%
29.0	1591.892	91.204	3134.225	2.22%	81.17%
30.0	1387.759	80.450	3214.675	1.96%	83.25%
31.0	1261.431	73.723	3288.398	1.80%	85.16%
32.0	1076.317	66.974	3355.372	1.63%	86.89%
33.0	897.245	58.142	3413.514	1.42%	88.40%
34.0	739.476	49.532	3463.046	1.21%	89.68%
35.0	616.747	42.119	3505.165	1.03%	90.77%
36.0	518.326	36.141	3541.306	0.88%	91.71%
37.0	427.083	30.834	3572.14	0.75%	92.51%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	360.199	26.278	3598.418	0.64%	93.19%
39.0	301.859	22.598	3621.016	0.55%	93.77%
40.0	260.330	19.607	3640.623	0.48%	94.28%
41.0	230.345	17.473	3658.096	0.43%	94.73%
42.0	178.808	14.865	3672.961	0.36%	95.12%
43.0	147.009	12.069	3685.031	0.29%	95.43%
44.0	123.278	10.201	3695.232	0.25%	95.69%
45.0	106.957	8.848	3704.08	0.22%	95.92%
46.0	93.292	7.831	3711.911	0.19%	96.13%
47.0	82.275	6.983	3718.894	0.17%	96.31%
48.0	74.170	6.324	3725.219	0.15%	96.47%
49.0	67.915	5.835	3731.053	0.14%	96.62%
50.0	62.385	5.433	3736.486	0.13%	96.76%
51.0	57.835	5.086	3741.572	0.12%	96.89%
52.0	54.258	4.810	3746.382	0.12%	97.02%
53.0	51.119	4.584	3750.966	0.11%	97.14%
54.0	48.303	4.382	3755.348	0.11%	97.25%
55.0	46.086	4.213	3759.562	0.10%	97.36%
56.0	43.980	4.070	3763.632	0.10%	97.46%
57.0	42.209	3.941	3767.572	0.10%	97.57%
58.0	40.666	3.832	3771.405	0.09%	97.67%
59.0	39.400	3.743	3775.148	0.09%	97.76%
60.0	38.281	3.670	3778.818	0.09%	97.86%
61.0	37.308	3.607	3782.425	0.09%	97.95%
62.0	36.650	3.564	3785.989	0.09%	98.04%
63.0	35.889	3.528	3789.517	0.09%	98.14%
64.0	35.209	3.489	3793.006	0.08%	98.23%
65.0	34.506	3.450	3796.456	0.08%	98.31%
66.0	33.760	3.406	3799.862	0.08%	98.40%
67.0	33.014	3.358	3803.219	0.08%	98.49%
68.0	32.246	3.306	3806.525	0.08%	98.58%
69.0	31.529	3.253	3809.779	0.08%	98.66%
70.0	30.827	3.202	3812.981	0.08%	98.74%
71.0	30.271	3.158	3816.139	0.08%	98.82%
72.0	29.620	3.114	3819.253	0.08%	98.91%
73.0	28.449	3.037	3822.29	0.07%	98.98%
74.0	27.176	2.924	3825.214	0.07%	99.06%
75.0	25.786	2.798	3828.012	0.07%	99.13%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	24.777	2.684	3830.697	0.07%	99.20%
77.0	23.914	2.596	3833.292	0.06%	99.27%
78.0	23.321	2.529	3835.821	0.06%	99.33%
79.0	22.699	2.473	3838.294	0.06%	99.40%
80.0	22.026	2.411	3840.705	0.06%	99.46%
81.0	21.390	2.348	3843.053	0.06%	99.52%
82.0	20.754	2.285	3845.338	0.06%	99.58%
83.0	20.212	2.227	3847.565	0.05%	99.64%
84.0	19.649	2.172	3849.737	0.05%	99.69%
85.0	19.100	2.115	3851.852	0.05%	99.75%
86.0	18.398	2.050	3853.901	0.05%	99.80%
87.0	17.754	1.979	3855.88	0.05%	99.85%
88.0	17.374	1.924	3857.804	0.05%	99.90%
89.0	16.964	1.882	3859.686	0.05%	99.95%
90.0	16.679	1.845	3861.531	0.04%	100.00%

Zonal flux distribution table

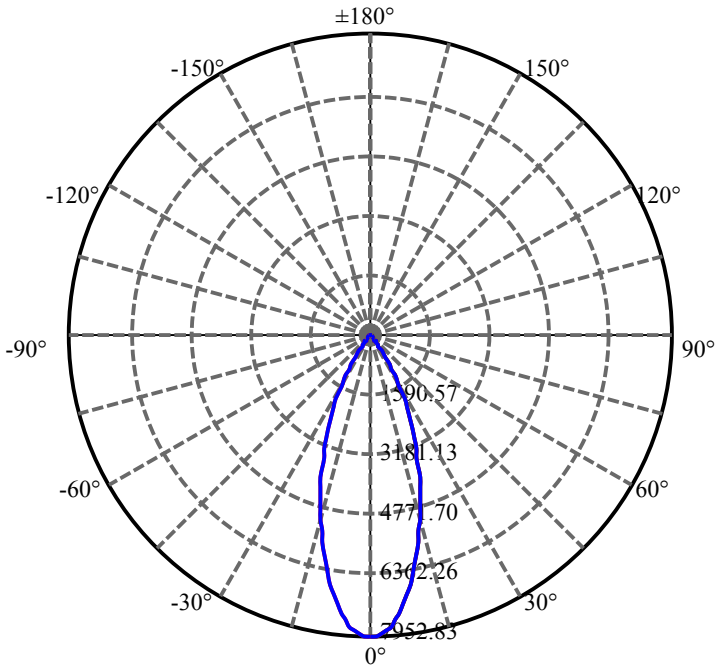
ZONAL LUMEN SUMMARY

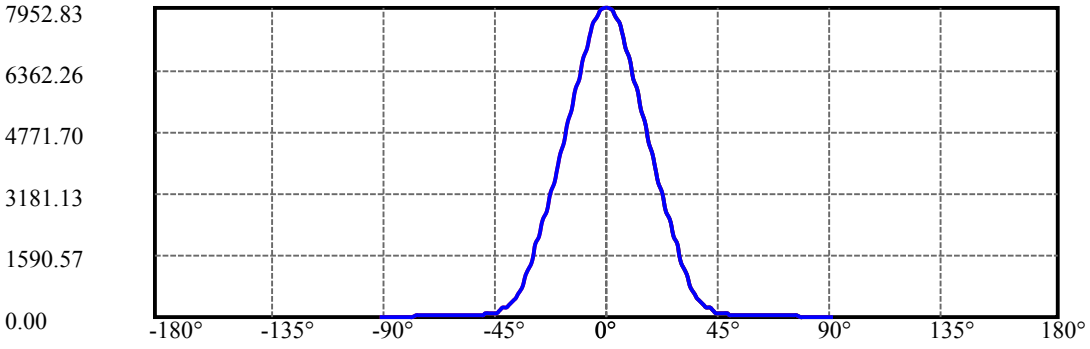
Zone	Lumens	%Lamp	%Fixt
0-30	3214.68	78.27%	83.25%
0-40	3640.62	88.64%	94.28%
0-60	3778.82	92.01%	97.86%
0-90	3859.69	93.98%	99.95%
0-120	3859.69	93.98%	99.95%
0-180	3861.53	94.02%	100.00%
60-90	80.87	1.97%	2.09%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-28.51	3089.23	75.22%	80.00%

ZONAL LUMEN SUMMARY

0-10	683.23
10-20	1391.18
20-30	1140.27
30-40	425.95
40-50	95.86
50-60	42.33
60-70	34.16
70-80	27.72
80-90	18.98
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):

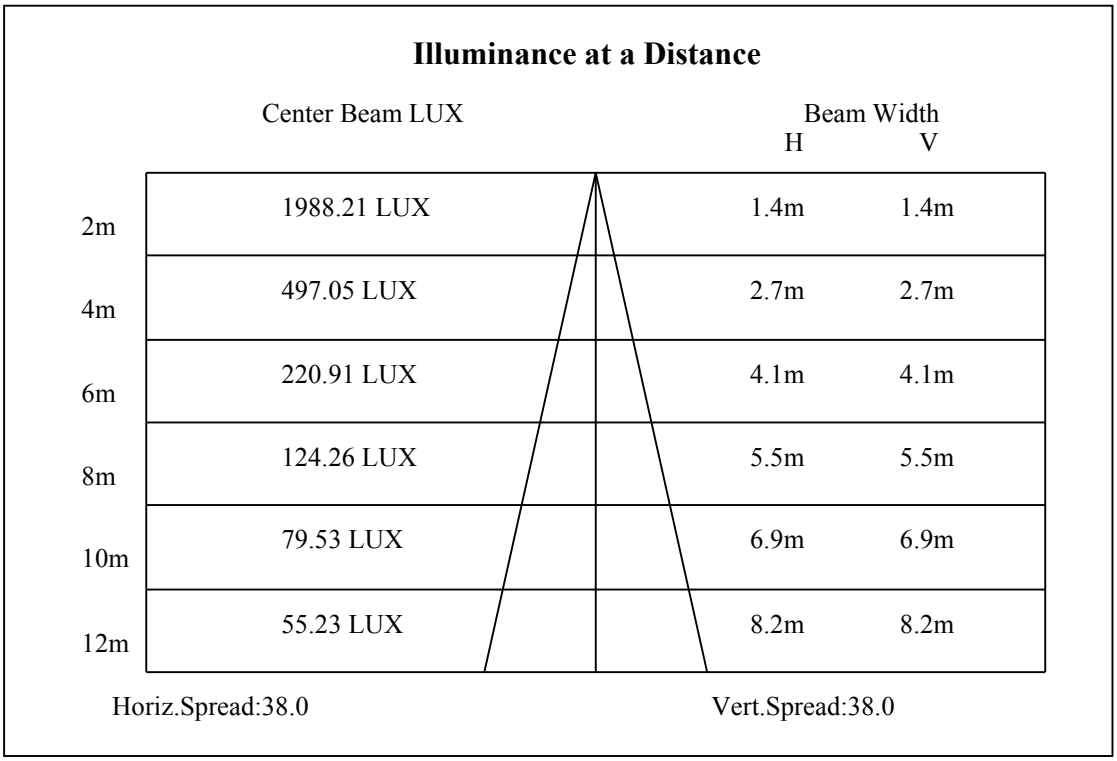
C0/C180:

C90/C270:

Field angle(10%Imax):C0/180Left:33.6 Right:33.6
:C90/270Left:33.6 Right:33.6

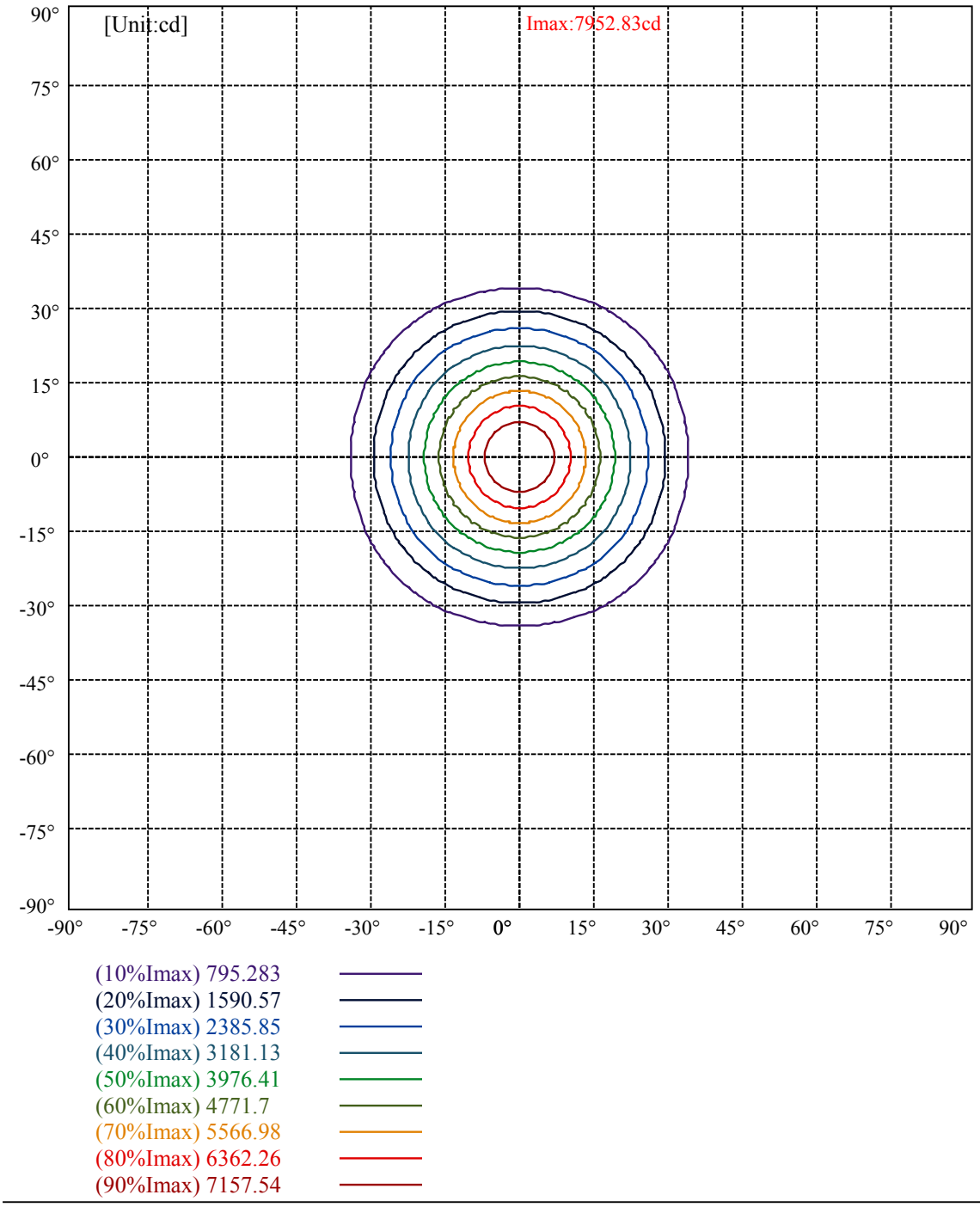
Beam Angle(50%Imax):C0/180Left:19.0 Right:19.0
:C90/270Left:19.0 Right:19.0

Lux distance Curve



Equipment: GMS1980 Date: 2024/8/13 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

ISO-Intensity(V-H)

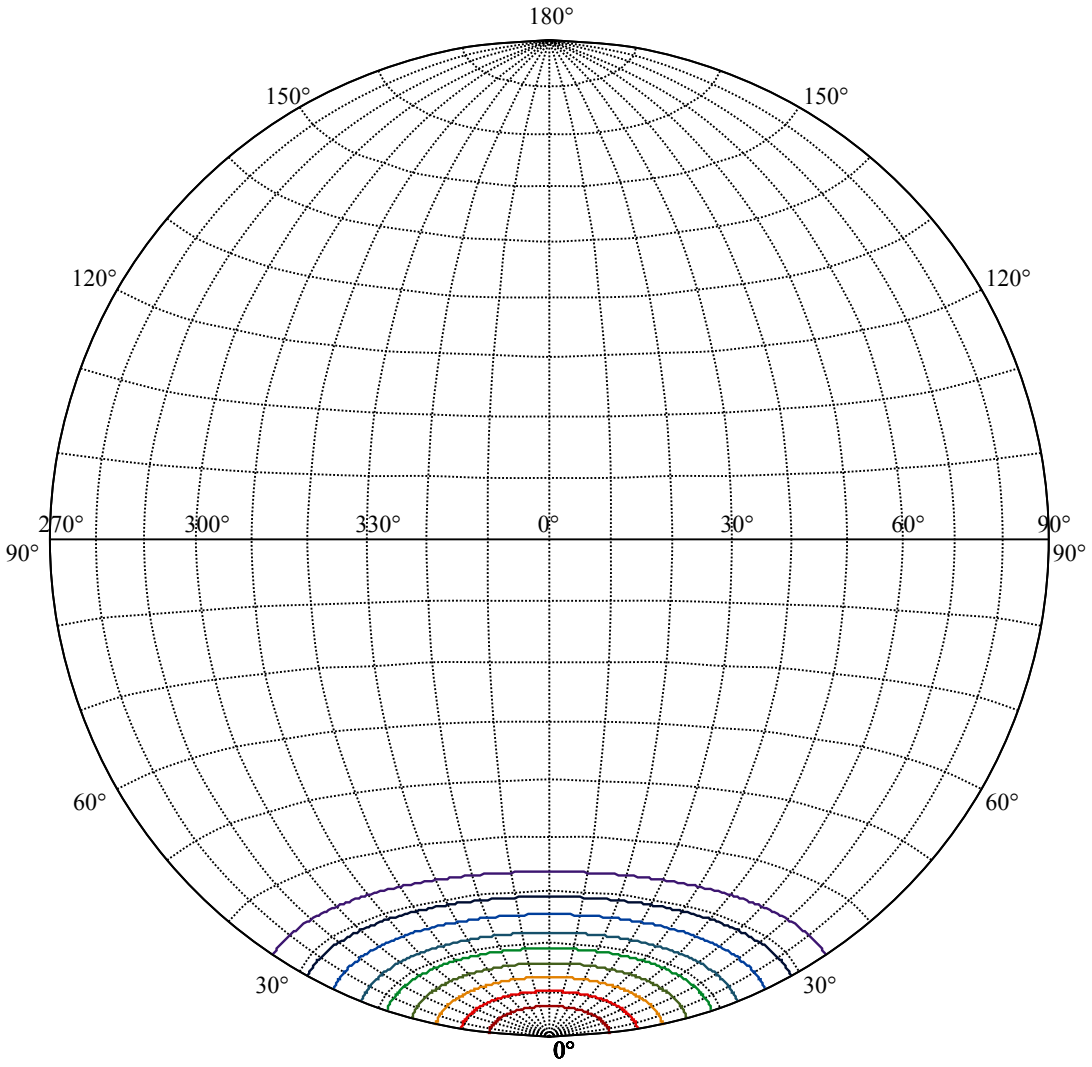


Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/8/13
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

ISO candela diagram on circular web



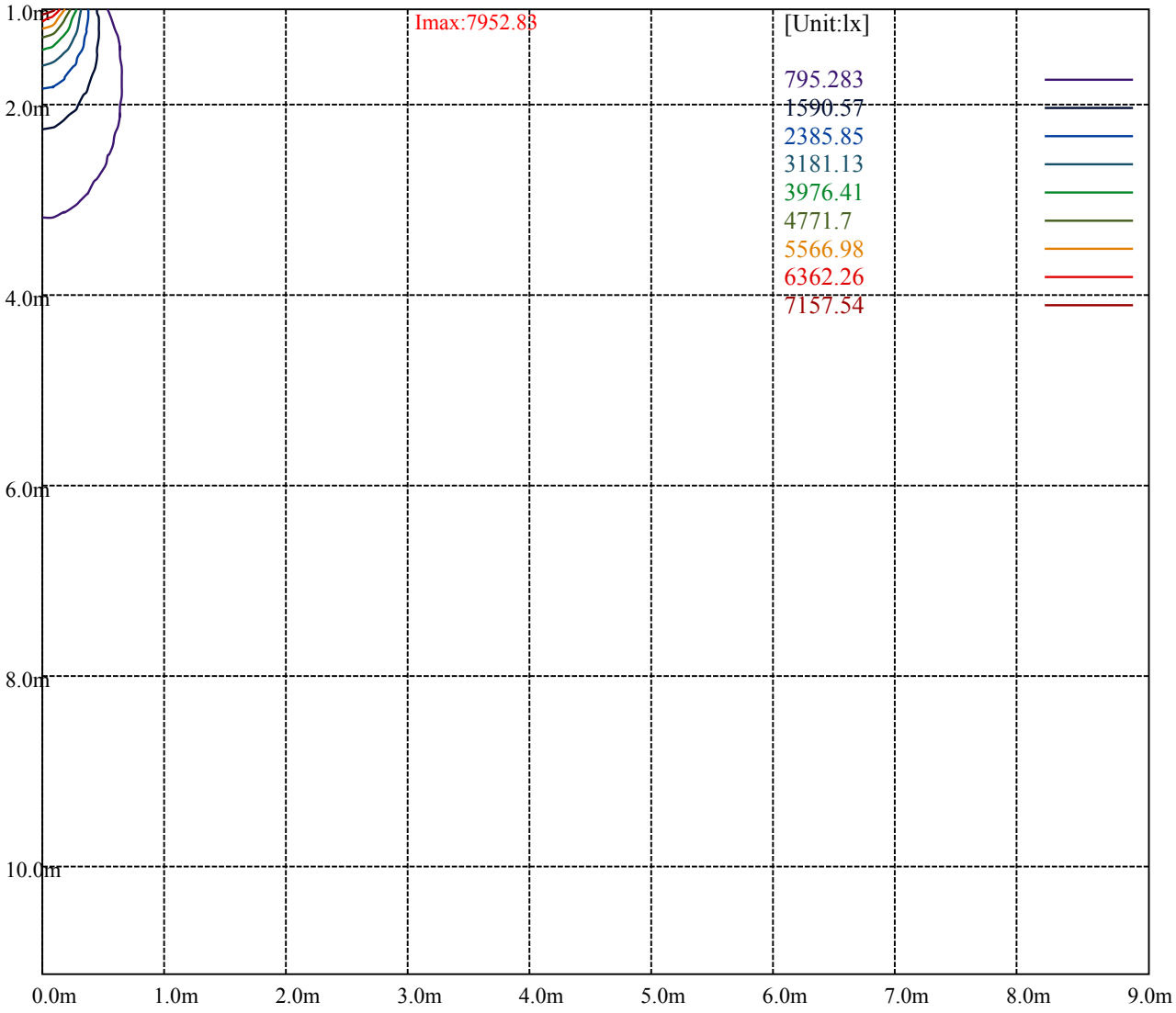
House [Unit:cd] Road

Imax:7952.83

(10%Imax) 795.283
(20%Imax) 1590.57
(30%Imax) 2385.85
(40%Imax) 3181.13
(50%Imax) 3976.41
(60%Imax) 4771.7
(70%Imax) 5566.98
(80%Imax) 6362.26
(90%Imax) 7157.54

Equipment: GMS1980 Date: 2024/8/13 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/8/13
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

Luminance Limitting Curve(no luminous side)

Luminance Table

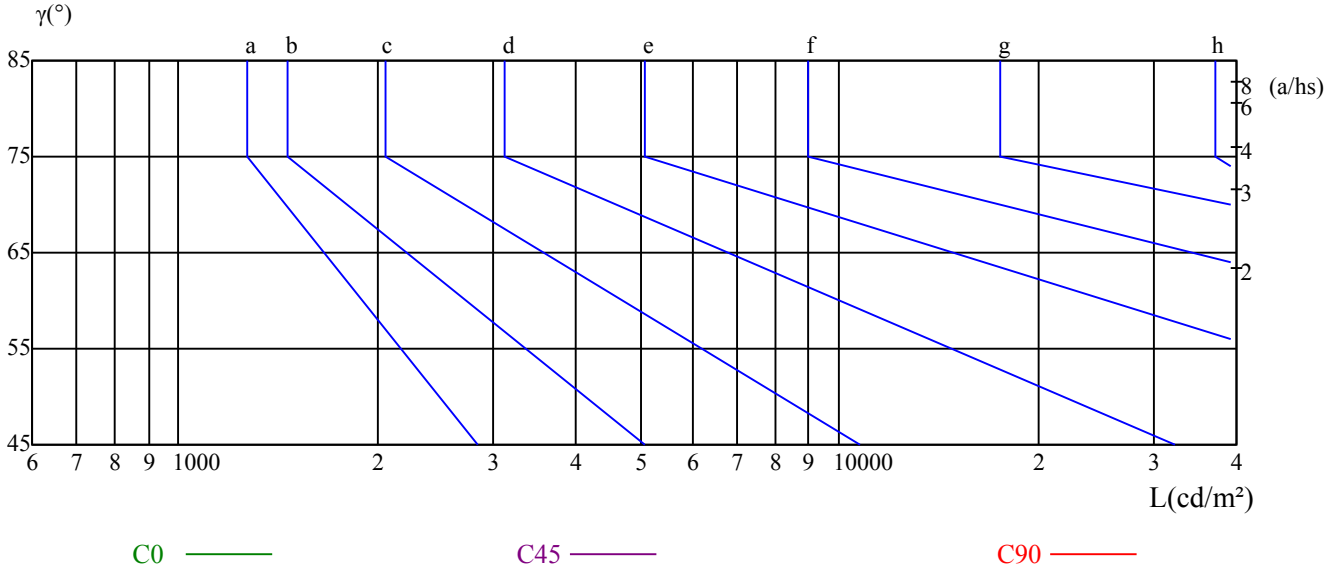
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

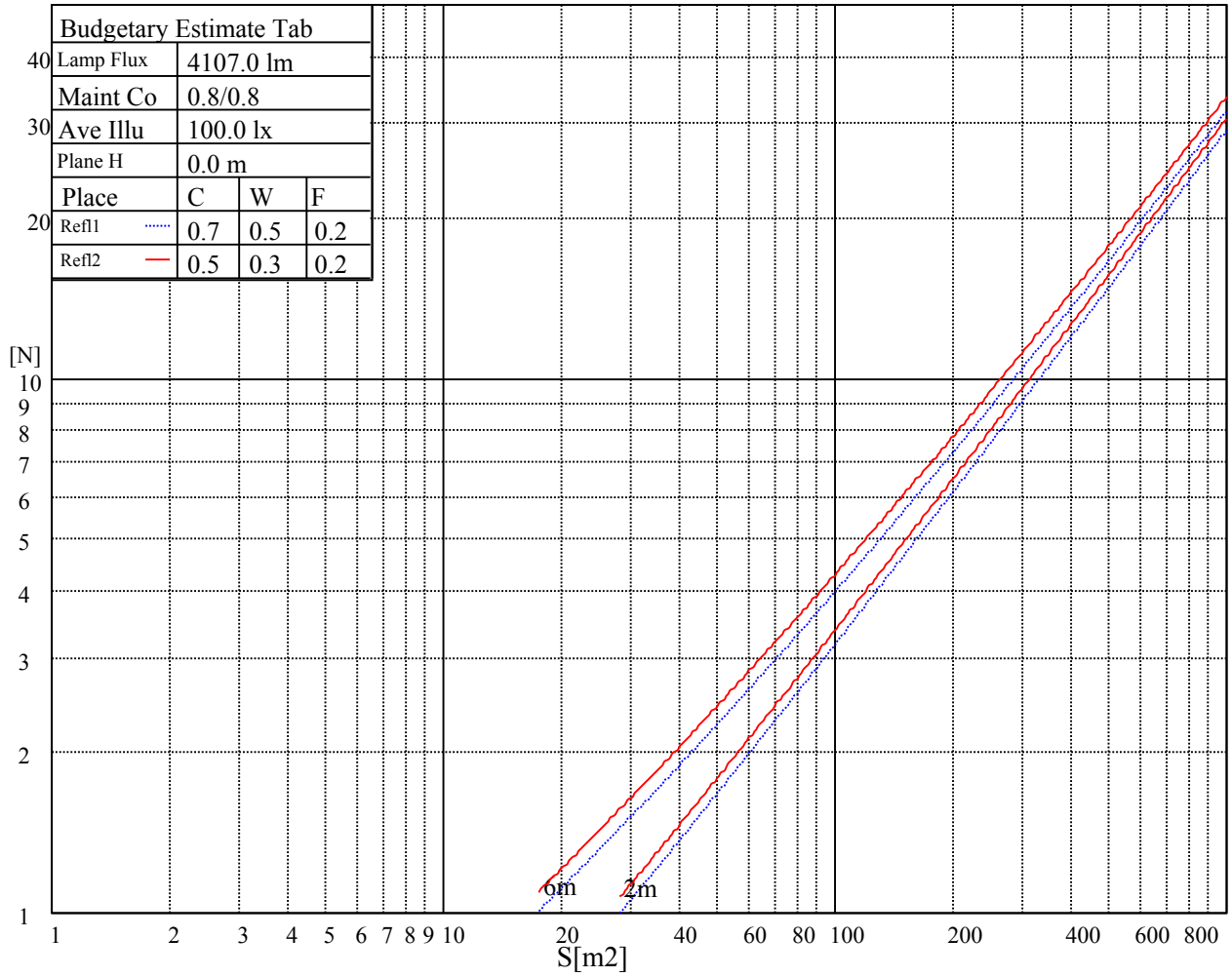


Equipment: GMS1980 Date: 2024/8/13 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

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

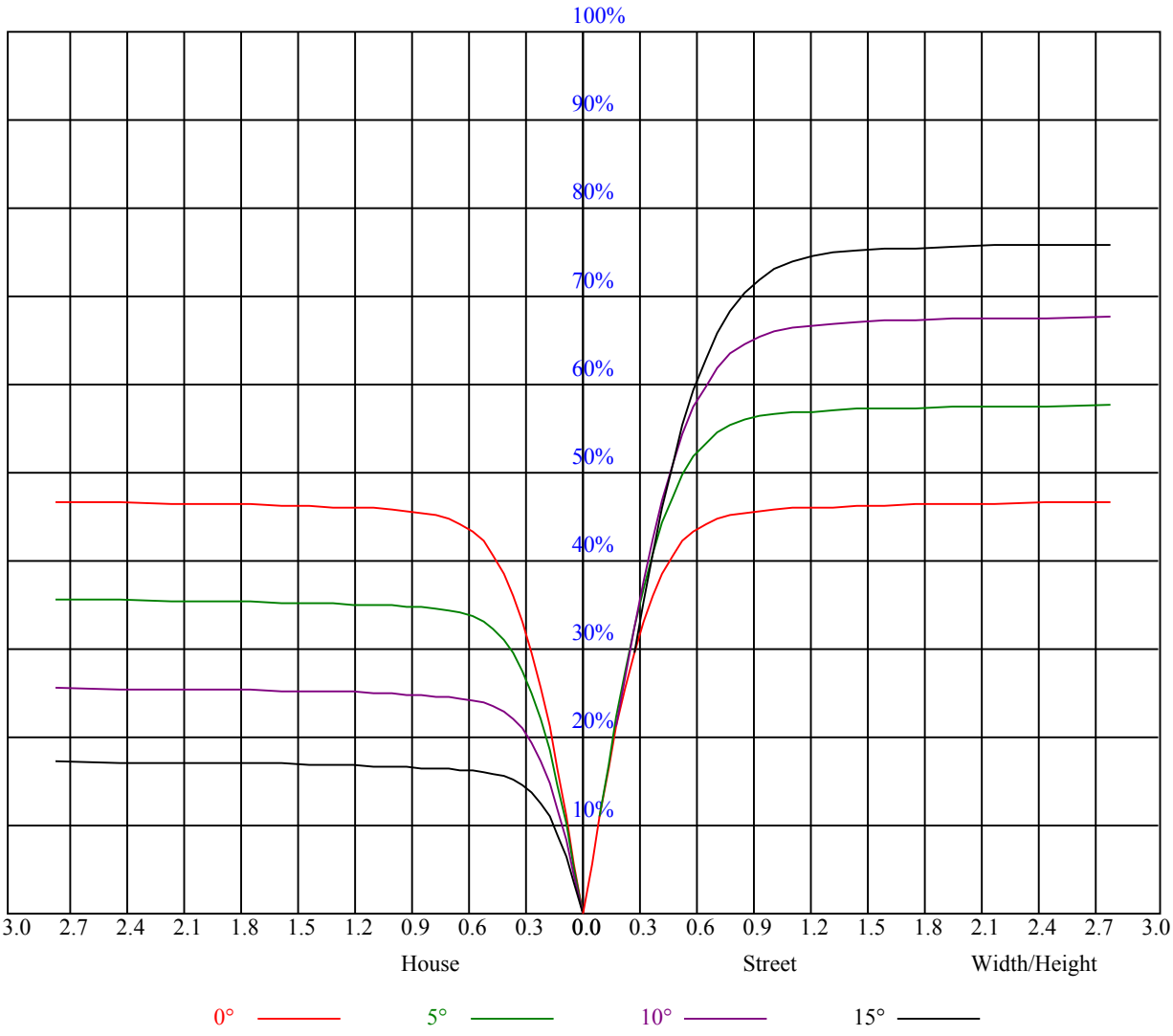


Equipment: GMS1980 Date: 2024/8/13 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

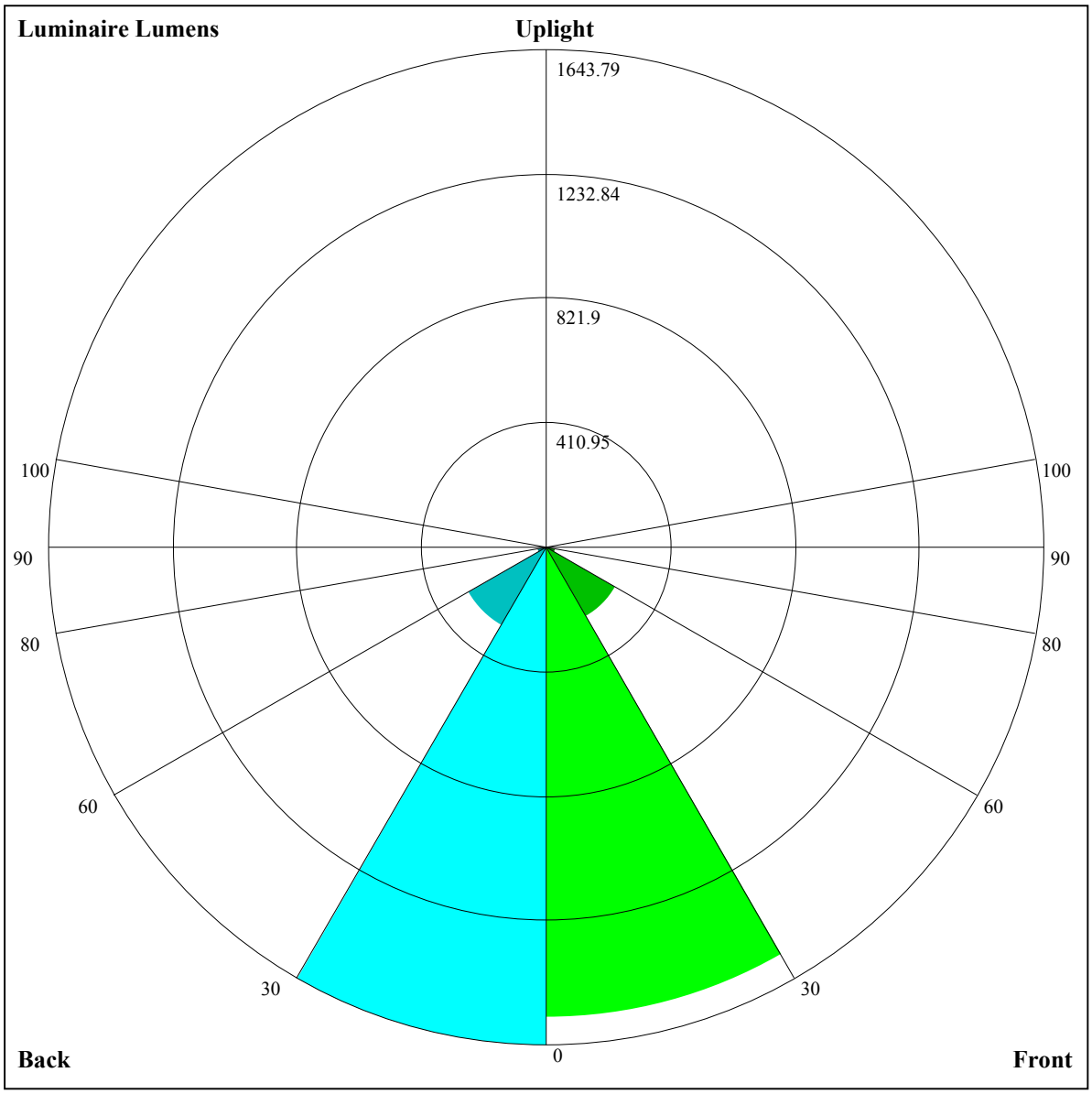
Utilization factor table for indoor luminaire

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	1.12	1.12	1.12	1.09	1.09	1.09	1.04	1.04	1.04	1.00	1.00	1.00	0.96	0.96	0.96	0.94
1	1.04	1.02	1.00	1.02	1.00	0.99	0.99	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.90	0.88
2	0.98	0.94	0.91	0.96	0.93	0.90	0.93	0.91	0.88	0.91	0.88	0.86	0.88	0.86	0.85	0.83
3	0.92	0.88	0.84	0.91	0.87	0.84	0.88	0.85	0.82	0.86	0.83	0.81	0.84	0.82	0.80	0.78
4	0.87	0.82	0.79	0.86	0.82	0.78	0.84	0.80	0.77	0.82	0.79	0.76	0.80	0.78	0.76	0.74
5	0.82	0.78	0.74	0.82	0.77	0.74	0.80	0.76	0.73	0.78	0.75	0.72	0.77	0.74	0.72	0.70
6	0.78	0.73	0.70	0.78	0.73	0.69	0.76	0.72	0.69	0.75	0.71	0.69	0.74	0.71	0.68	0.67
7	0.75	0.69	0.66	0.74	0.69	0.66	0.73	0.69	0.65	0.72	0.68	0.65	0.71	0.67	0.65	0.64
8	0.71	0.66	0.63	0.71	0.66	0.63	0.70	0.65	0.62	0.69	0.65	0.62	0.68	0.64	0.62	0.61
9	0.68	0.63	0.60	0.67	0.63	0.60	0.67	0.62	0.59	0.66	0.62	0.59	0.65	0.62	0.59	0.58
10	0.65	0.60	0.57	0.65	0.60	0.57	0.64	0.60	0.57	0.63	0.59	0.57	0.63	0.59	0.56	0.55

Coefficient Utilization Curve



Equipment: GMS1980	Date: 2024/8/13	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65



Luminaire Lumens:
FL=1555.18,FM=263.35,FH=29.37,FVH=10.23
BL=1643.79,BM=300.79,BH=32.34,BVH=10.59
UL=0,UH=0

BUG Rating:B3-U0-G1

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	7909.37	7832.71	7757.80	7647.78	7500.89	7322.98	7095.33	6900.45	6628.90
45.0	7967.31	7946.83	7870.75	7789.99	7674.11	7503.23	7346.39	7098.25	6892.25
90.0	7960.87	7885.97	7823.93	7730.30	7579.89	7409.01	7174.33	6953.70	6731.32
135.0	7973.75	8001.25	7985.45	7938.05	7848.51	7760.14	7629.05	7422.47	7207.69
180.0	7909.37	7980.19	7974.92	7943.32	7859.63	7774.77	7616.76	7452.31	7255.09
225.0	7967.31	7959.70	7898.26	7797.01	7718.01	7569.36	7409.59	7135.71	6910.98
270.0	7960.87	7971.41	7938.64	7862.56	7780.62	7653.05	7507.91	7269.14	7061.97
315.0	7973.75	7884.21	7808.13	7716.25	7588.09	7399.64	7194.81	6981.21	6659.33
360.0	7909.37	7832.71	7757.80	7647.78	7500.89	7322.98	7095.33	6900.45	6628.90

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	6403.01	6146.09	5833.58	5584.28	5333.80	5027.14	4765.55	4494.59	4185.59
45.0	6661.09	6420.56	6118.00	5864.60	5624.66	5377.69	5056.40	4795.39	4532.04
90.0	6482.60	6175.35	5906.73	5649.24	5400.51	5094.44	4828.75	4566.57	4295.02
135.0	6955.46	6712.00	6497.81	6256.11	5940.09	5700.74	5444.99	5130.14	4856.26
180.0	7039.73	6752.38	6515.95	6282.45	6040.17	5691.37	5440.90	5193.93	4929.41
225.0	6668.70	6360.28	6119.17	5857.58	5531.61	5298.10	5037.68	4721.65	4463.57
270.0	6827.29	6585.01	6253.77	5989.25	5715.37	5385.30	5130.73	4799.49	4537.31
315.0	6408.27	6155.46	5844.12	5584.86	5272.94	5023.63	4767.89	4495.76	4238.26
360.0	6403.01	6146.09	5833.58	5584.28	5333.80	5027.14	4765.55	4494.59	4185.59

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	3946.82	3719.16	3499.12	3215.28	2996.41	2763.49	2542.86	2291.80	2098.68
45.0	4214.85	3983.69	3765.40	3483.32	3261.52	3036.21	2764.08	2550.47	2357.93
90.0	3979.59	3724.43	3432.99	3203.58	2978.85	2704.38	2497.21	2304.67	2116.23
135.0	4585.88	4334.82	4069.71	3770.08	3532.48	3264.44	3036.79	2819.67	2546.37
180.0	4604.61	4350.04	4042.21	3791.73	3549.45	3242.21	3019.23	2800.36	2542.28
225.0	4217.19	3921.07	3684.64	3457.57	3218.21	2953.69	2743.59	2549.30	2366.71
270.0	4282.74	4036.36	3717.99	3460.49	3221.14	2992.31	2731.30	2534.67	2356.17
315.0	3930.43	3699.27	3461.66	3242.21	2974.17	2764.66	2563.93	2319.31	2132.03
360.0	3946.82	3719.16	3499.12	3215.28	2996.41	2763.49	2542.86	2291.80	2098.68

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1851.13	1656.25	1165.30	1165.30	1026.66	861.28	689.69	581.60	491.18
45.0	2154.27	1917.26	1729.40	1536.27	1339.64	1097.94	917.69	769.63	623.91
90.0	1888.58	1703.06	1374.17	1149.26	1149.26	933.38	785.08	634.09	535.60
135.0	2335.11	2134.37	1892.09	1696.63	1501.16	1302.18	1109.65	890.19	744.46
180.0	2342.71	2149.59	1958.81	1715.94	1519.89	1317.40	1117.84	891.36	743.29
225.0	2136.71	1945.93	1701.89	1152.83	1152.83	1056.92	884.74	742.07	629.41
270.0	2173.00	1945.35	1760.42	1532.76	1344.91	1158.80	932.91	781.33	660.19
315.0	1889.75	1701.31	1153.07	1153.07	1057.09	882.64	740.37	625.55	505.93
360.0	1851.13	1656.25	1165.30	1165.30	1026.66	861.28	689.69	581.60	491.18

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	413.64	350.32	283.54	238.60	202.37	171.82	140.16	119.91	100.78
45.0	527.93	425.52	358.80	302.62	302.62	203.89	173.40	147.54	121.84
90.0	454.49	371.85	316.72	269.03	219.69	186.51	159.06	136.24	113.53
135.0	627.42	509.79	432.54	366.41	299.11	299.11	203.83	172.88	146.42
180.0	625.08	510.37	434.30	355.29	300.28	300.28	243.92	171.06	144.90
225.0	510.73	431.95	365.47	308.41	248.55	210.04	177.09	144.02	123.13
270.0	561.87	457.12	386.31	328.37	302.62	302.62	189.67	161.81	133.31
315.0	425.46	359.74	303.91	246.15	207.40	168.49	143.32	122.60	102.30
360.0	413.64	350.32	283.54	238.60	202.37	171.82	140.16	119.91	100.78

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	89.01	79.59	70.87	65.49	60.92	56.12	53.14	50.50	48.16
45.0	105.69	93.23	83.16	73.62	67.42	62.33	58.05	53.84	51.38
90.0	99.72	88.72	79.77	70.99	65.43	60.40	55.30	51.91	48.40
135.0	124.89	103.88	91.00	80.94	73.21	65.31	60.16	55.89	52.20
180.0	123.66	107.04	91.18	81.64	74.27	68.30	62.09	58.00	54.60
225.0	106.45	91.18	81.52	73.80	66.25	61.62	57.64	54.31	51.03
270.0	115.99	102.06	88.90	80.47	73.97	67.07	62.50	58.58	54.43
315.0	90.24	80.64	71.81	66.42	61.86	57.94	53.78	51.03	48.75
360.0	89.01	79.59	70.87	65.49	60.92	56.12	53.14	50.50	48.16

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	45.65	43.95	42.31	40.73	39.03	37.92	36.93	35.76	34.70
45.0	48.34	46.12	44.24	42.19	40.73	39.50	38.33	36.99	35.99
90.0	46.17	44.18	42.19	40.91	39.74	38.68	37.86	36.81	36.17
135.0	48.22	45.76	43.01	41.20	39.85	38.39	37.63	37.40	38.27
180.0	51.27	48.92	46.35	44.48	42.78	41.32	40.09	39.74	39.33
225.0	48.63	46.53	44.77	42.72	41.26	40.15	38.86	37.92	36.93
270.0	51.50	49.04	46.53	44.59	42.72	41.43	40.15	38.45	37.51
315.0	46.64	44.18	42.43	40.85	39.21	37.81	36.40	35.41	34.29
360.0	45.65	43.95	42.31	40.73	39.03	37.92	36.93	35.76	34.70

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	33.36	32.42	31.49	30.49	29.32	28.50	27.92	27.27	26.57
45.0	34.94	33.94	32.83	31.89	30.90	29.61	28.79	28.03	27.27
90.0	35.52	34.82	34.29	33.59	32.60	32.07	31.66	31.02	30.26
135.0	39.39	39.97	40.20	40.56	40.91	40.85	40.32	39.15	38.80
180.0	39.15	38.92	38.62	38.45	38.04	37.51	36.81	36.46	36.58
225.0	35.64	34.70	33.71	32.54	31.66	30.72	29.79	29.20	28.56
270.0	36.23	35.05	34.00	32.60	31.60	30.61	29.50	28.68	27.86
315.0	32.89	31.84	30.90	29.96	29.09	28.09	27.45	26.80	26.28
360.0	33.36	32.42	31.49	30.49	29.32	28.50	27.92	27.27	26.57

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	25.98	25.46	24.93	24.17	23.64	23.06	22.53	21.89	21.13
45.0	26.63	25.98	25.34	24.76	24.17	23.41	22.88	22.36	21.77
90.0	29.32	28.15	27.10	25.93	24.93	23.88	23.23	22.53	21.89
135.0	39.15	37.22	33.24	28.32	26.04	24.93	24.35	23.82	23.17
180.0	35.29	32.25	30.49	28.85	27.10	25.87	25.05	24.35	23.70
225.0	27.86	26.98	26.16	25.40	24.64	23.88	23.35	22.65	22.00
270.0	27.21	26.57	25.87	25.22	24.58	23.82	23.23	22.71	21.95
315.0	25.52	24.99	24.29	23.64	23.12	22.47	21.95	21.30	20.60
360.0	25.98	25.46	24.93	24.17	23.64	23.06	22.53	21.89	21.13

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	20.60	20.01	19.61	19.02	18.61	18.08	17.67	17.26	16.74
45.0	21.01	20.31	19.78	19.31	18.73	18.20	17.62	17.21	16.80
90.0	21.13	20.54	19.96	19.43	18.90	17.79	17.26	16.91	16.62
135.0	22.47	21.77	21.13	20.48	20.07	19.37	18.08	17.62	17.21
180.0	23.06	22.36	21.77	21.19	20.60	19.72	18.61	18.26	17.85
225.0	21.48	20.78	20.25	19.72	18.84	18.14	17.79	17.38	16.85
270.0	21.30	20.66	20.07	19.43	18.90	18.14	17.67	17.32	16.97
315.0	20.07	19.61	19.14	18.61	18.14	17.73	17.32	17.03	16.68
360.0	20.60	20.01	19.61	19.02	18.61	18.08	17.67	17.26	16.74

Intensity data(cd)

C/γ(°)	90.0
0.0	16.68
45.0	16.56
90.0	16.56
135.0	16.80
180.0	16.85
225.0	16.62
270.0	16.68
315.0	16.68
360.0	16.68