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

NT

Client:
LumCAT: 2-2561-L
Luminaire: 92.70.412.00
Report No: 2024813-B005
Ballast type: AC

Test No: 2024813-C005	Voltage(V): 35.050
LampCAT: TRIDONIC SLE G7 15MM	Current(A): 0.702
Lamp flux(lm): 4107.0	Power (W): 24.605
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 3831.99, Efficiency(%): 93.30% , Luminous Efficacy(lm/W): 155.74
Central intensity(cd): 15233.990, Maximum intensity(cd): 15233.990
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=21.8
[C90/270]Total=21.8
Field angle(10%Imax): [C0/180]Total=54.4
[C90/270]Total=54.4
Maximum s/h(1/2): C0_180=0.37 C90_270=0.37
Maximum s/h(1/4): C0_180=0.41 C90_270=0.41
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 93.30%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 97.976%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	15233.992	0.000	0	0.00%	0.00%
1.0	15146.208	14.536	14.536	0.35%	0.38%
2.0	14932.601	43.172	57.708	1.05%	1.51%
3.0	14565.372	70.549	128.258	1.72%	3.35%
4.0	13726.460	94.702	222.96	2.31%	5.82%
5.0	12666.712	113.542	336.502	2.76%	8.78%
6.0	12174.977	130.550	467.051	3.18%	12.19%
7.0	11348.200	146.008	613.059	3.56%	16.00%
8.0	10341.321	155.228	768.287	3.78%	20.05%
9.0	9353.461	159.615	927.903	3.89%	24.21%
10.0	8410.444	160.757	1088.659	3.91%	28.41%
11.0	7492.080	158.899	1247.558	3.87%	32.56%
12.0	6727.776	155.443	1403.002	3.78%	36.61%
13.0	5989.588	150.923	1553.925	3.67%	40.55%
14.0	5351.912	145.170	1699.095	3.53%	44.34%
15.0	4795.948	139.314	1838.409	3.39%	47.98%
16.0	4299.824	133.278	1971.688	3.25%	51.45%
17.0	3847.445	126.875	2098.563	3.09%	54.76%
18.0	3473.705	120.710	2219.273	2.94%	57.91%
19.0	3142.249	115.104	2334.377	2.80%	60.92%
20.0	2857.756	109.817	2444.193	2.67%	63.78%
21.0	2701.135	106.742	2550.935	2.60%	66.57%
22.0	2477.009	104.057	2654.992	2.53%	69.28%
23.0	2223.109	98.621	2753.614	2.40%	71.86%
24.0	2055.954	93.556	2847.169	2.28%	74.30%
25.0	1903.430	90.028	2937.197	2.19%	76.65%
26.0	1758.221	86.434	3023.631	2.10%	78.90%
27.0	1550.085	80.938	3104.569	1.97%	81.02%
28.0	1410.678	74.960	3179.529	1.83%	82.97%
29.0	1281.175	70.426	3249.956	1.71%	84.81%
30.0	1164.978	66.046	3316.001	1.61%	86.53%
31.0	1014.597	60.654	3376.656	1.48%	88.12%
32.0	870.610	54.009	3430.665	1.32%	89.53%
33.0	741.107	47.482	3478.147	1.16%	90.77%
34.0	610.924	40.916	3519.063	1.00%	91.83%
35.0	510.594	34.830	3553.893	0.85%	92.74%
36.0	409.665	29.301	3583.194	0.71%	93.51%
37.0	325.648	23.982	3607.176	0.58%	94.13%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	266.782	19.775	3626.951	0.48%	94.65%
39.0	224.170	16.758	3643.708	0.41%	95.09%
40.0	179.774	14.088	3657.796	0.34%	95.45%
41.0	120.878	10.706	3668.503	0.26%	95.73%
42.0	98.208	7.960	3676.462	0.19%	95.94%
43.0	82.466	6.693	3683.155	0.16%	96.12%
44.0	70.724	5.782	3688.937	0.14%	96.27%
45.0	63.007	5.139	3694.076	0.13%	96.40%
46.0	57.257	4.703	3698.78	0.11%	96.52%
47.0	53.204	4.393	3703.173	0.11%	96.64%
48.0	50.212	4.181	3707.353	0.10%	96.75%
49.0	47.879	4.028	3711.382	0.10%	96.85%
50.0	46.086	3.918	3715.299	0.10%	96.95%
51.0	44.770	3.844	3719.143	0.09%	97.06%
52.0	43.863	3.803	3722.947	0.09%	97.15%
53.0	43.226	3.788	3726.735	0.09%	97.25%
54.0	42.897	3.796	3730.531	0.09%	97.35%
55.0	42.838	3.827	3734.358	0.09%	97.45%
56.0	43.095	3.883	3738.241	0.09%	97.55%
57.0	43.424	3.956	3742.197	0.10%	97.66%
58.0	43.716	4.030	3746.227	0.10%	97.76%
59.0	43.819	4.092	3750.319	0.10%	97.87%
60.0	43.329	4.117	3754.436	0.10%	97.98%
61.0	42.122	4.078	3758.514	0.10%	98.08%
62.0	40.051	3.960	3762.473	0.10%	98.19%
63.0	37.593	3.776	3766.25	0.09%	98.28%
64.0	34.901	3.557	3769.807	0.09%	98.38%
65.0	32.480	3.335	3773.142	0.08%	98.46%
66.0	30.644	3.149	3776.291	0.08%	98.55%
67.0	29.137	3.006	3779.297	0.07%	98.62%
68.0	27.966	2.893	3782.19	0.07%	98.70%
69.0	27.023	2.805	3784.995	0.07%	98.77%
70.0	26.145	2.731	3787.726	0.07%	98.84%
71.0	25.428	2.666	3790.391	0.06%	98.91%
72.0	24.733	2.608	3792.999	0.06%	98.98%
73.0	24.038	2.550	3795.55	0.06%	99.05%
74.0	23.409	2.494	3798.044	0.06%	99.11%
75.0	22.773	2.440	3800.484	0.06%	99.18%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	22.202	2.387	3802.872	0.06%	99.24%
77.0	21.734	2.342	3805.214	0.06%	99.30%
78.0	21.258	2.301	3807.516	0.06%	99.36%
79.0	20.834	2.262	3809.777	0.06%	99.42%
80.0	20.424	2.224	3812.002	0.05%	99.48%
81.0	19.993	2.186	3814.187	0.05%	99.54%
82.0	19.547	2.144	3816.331	0.05%	99.59%
83.0	19.071	2.099	3818.431	0.05%	99.65%
84.0	18.683	2.057	3820.487	0.05%	99.70%
85.0	18.310	2.019	3822.506	0.05%	99.75%
86.0	17.915	1.980	3824.487	0.05%	99.80%
87.0	17.469	1.937	3826.423	0.05%	99.85%
88.0	17.081	1.893	3828.316	0.05%	99.90%
89.0	16.767	1.855	3830.171	0.05%	99.95%
90.0	16.408	1.819	3831.99	0.04%	100.00%

Zonal flux distribution table

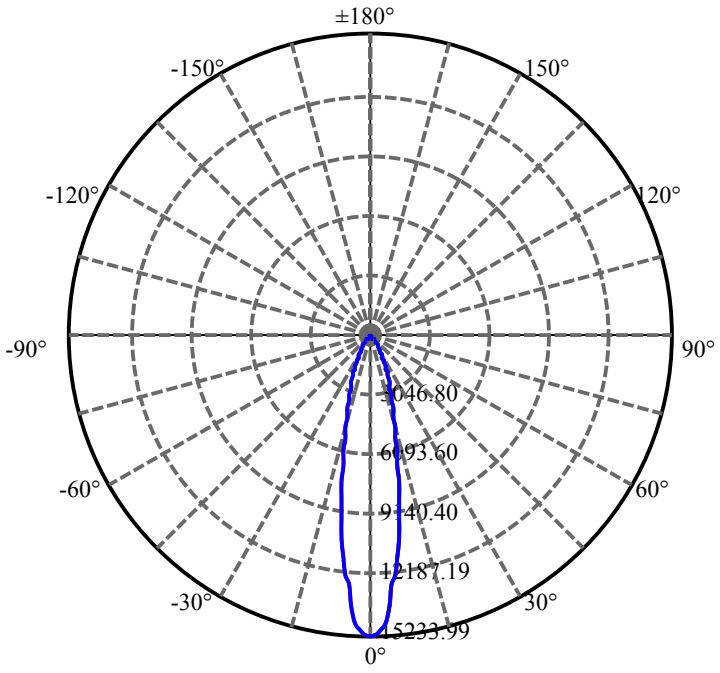
ZONAL LUMEN SUMMARY

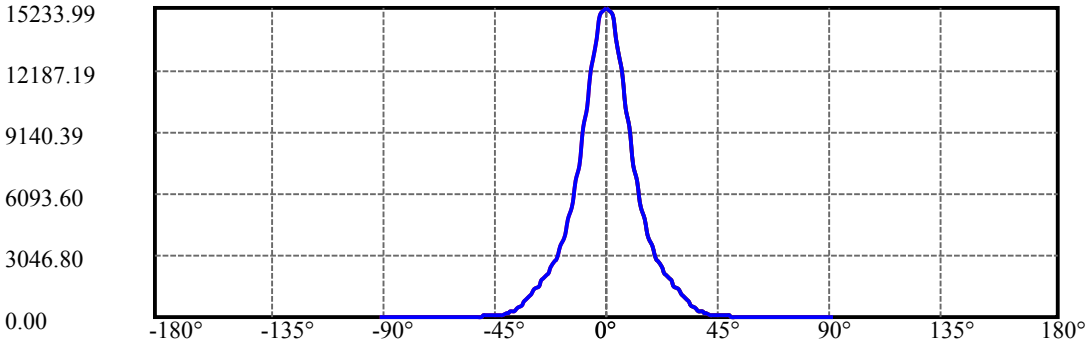
Zone	Lumens	%Lamp	%Fixt
0-30	3316.00	80.74%	86.53%
0-40	3657.80	89.06%	95.45%
0-60	3754.44	91.42%	97.98%
0-90	3830.17	93.26%	99.95%
0-120	3830.17	93.26%	99.95%
0-180	3831.99	93.30%	100.00%
60-90	75.73	1.84%	1.98%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-26.52	3065.59	74.64%	80.00%

ZONAL LUMEN SUMMARY

0-10	1088.66
10-20	1355.53
20-30	871.81
30-40	341.80
40-50	57.50
50-60	39.14
60-70	33.29
70-80	24.28
80-90	18.17
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:

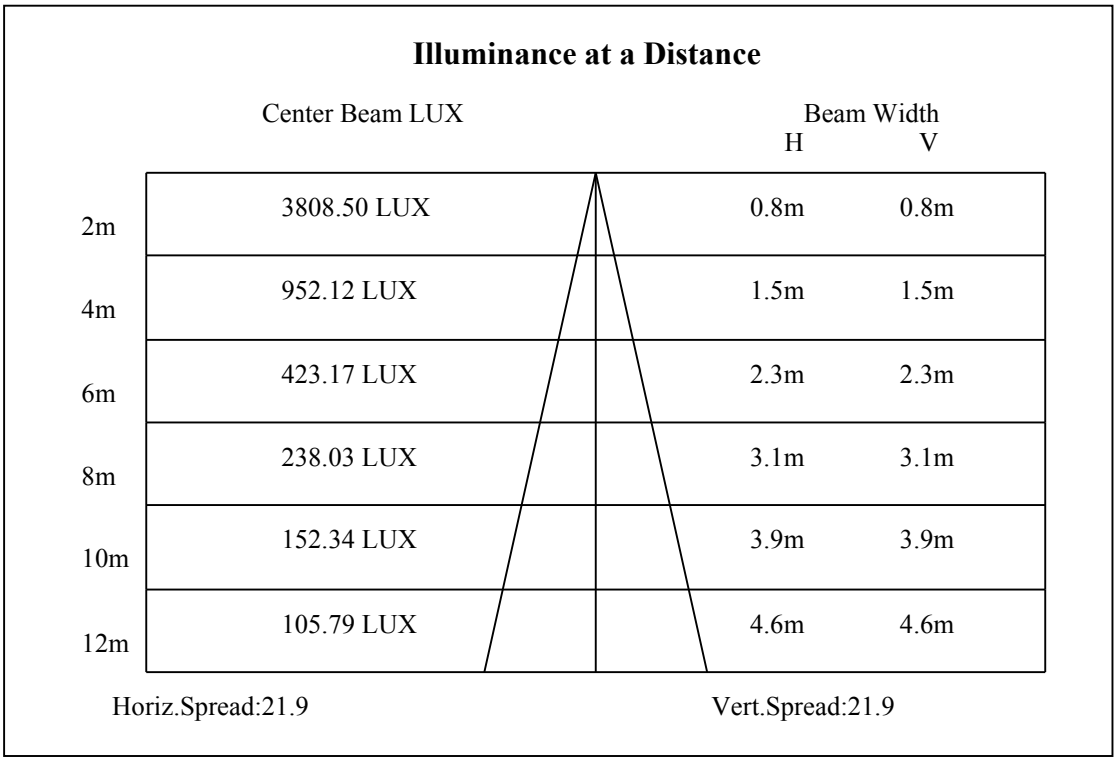
C90/C270:

Field angle(10%Imax):C0/180Left:27.2 Right:27.2
:C90/270Left:27.2 Right:27.2

Beam Angle(50%Imax):C0/180Left:10.9 Right:10.9
:C90/270Left:10.9 Right:10.9

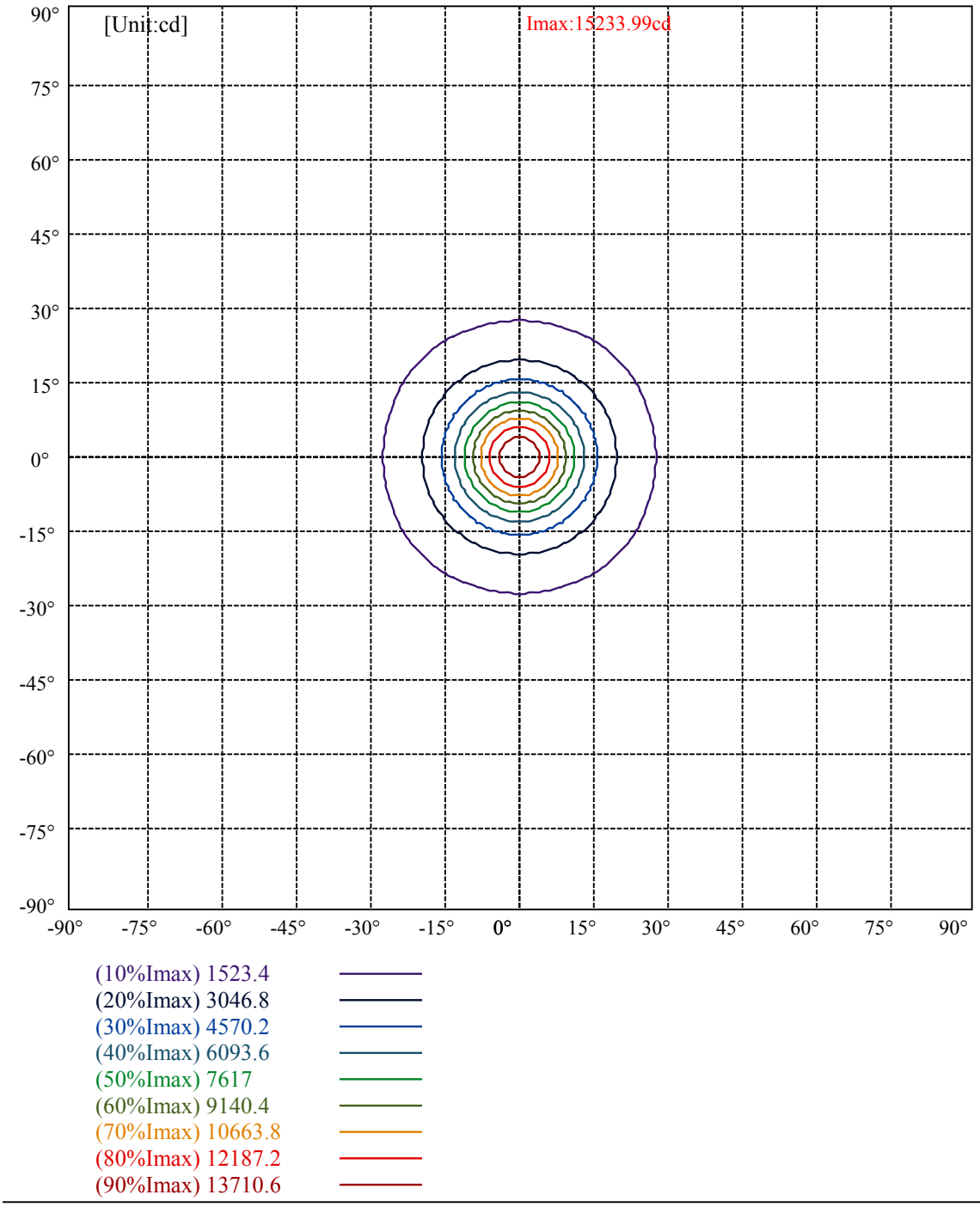
Equipment: GMS1980	Date: 2024/8/13	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65

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)

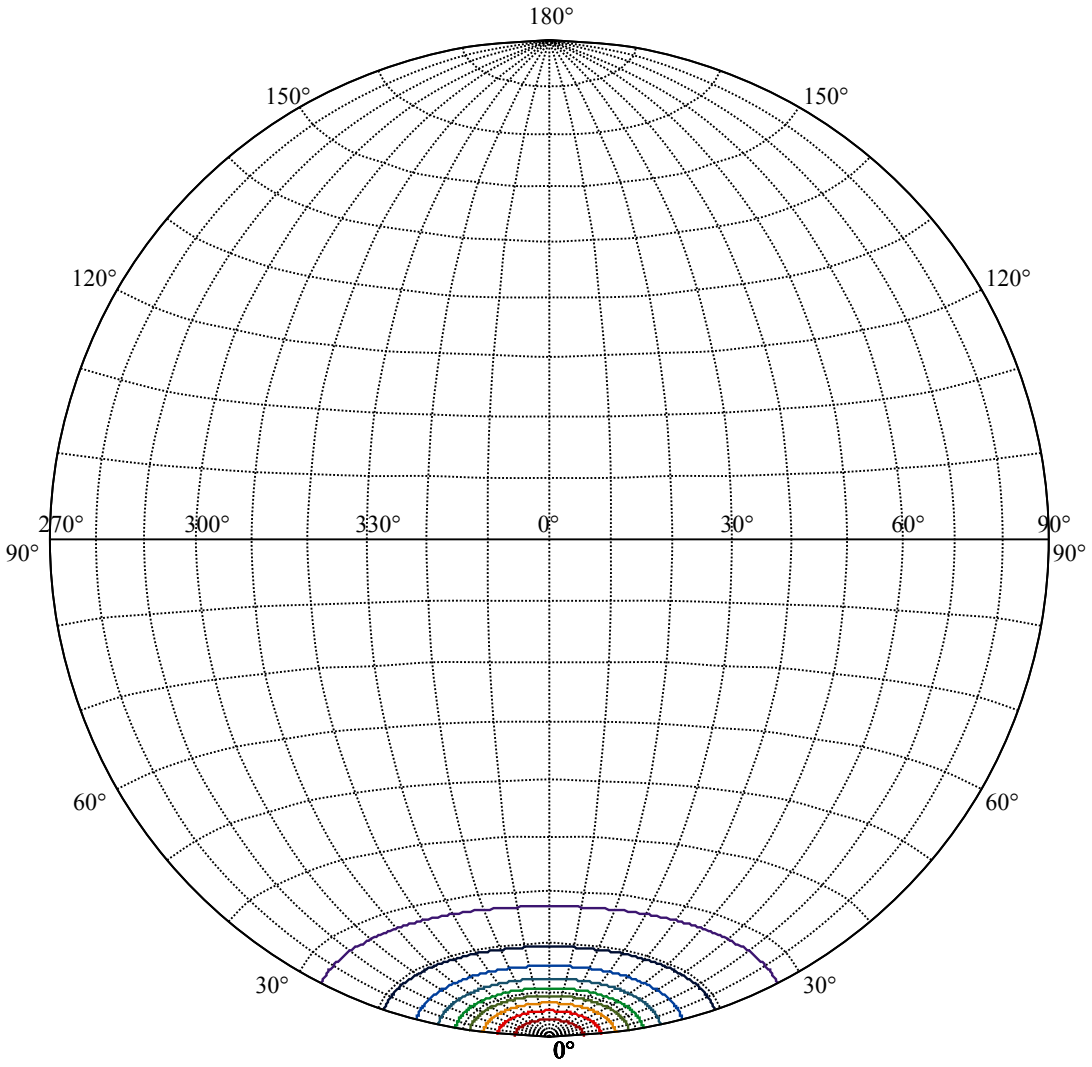


Equipment: GMS1980
Temperature(°C): 25.0

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

Operator: NT07
Distance(m): 7.65

ISO candela diagram on circular web



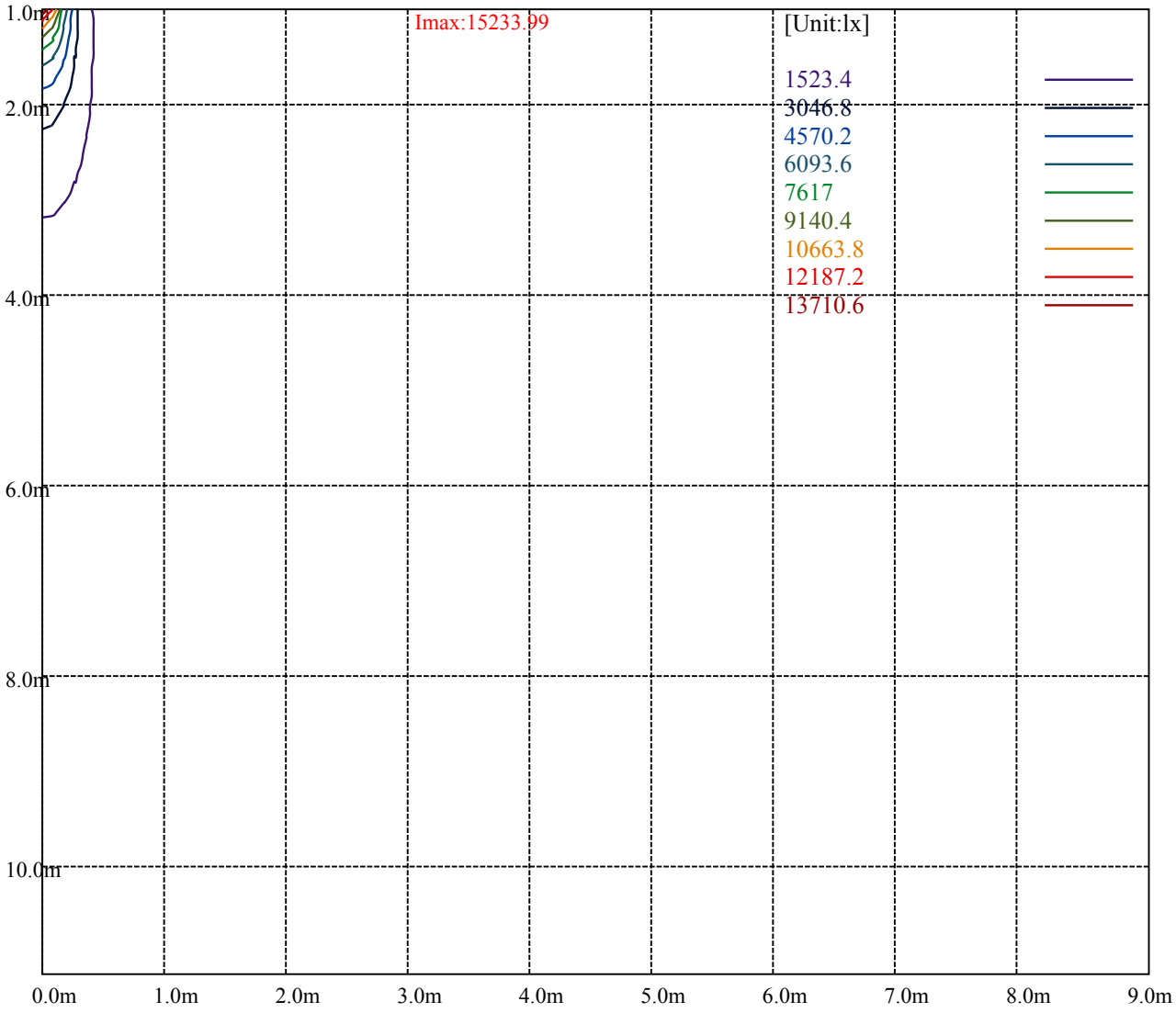
House [Unit:cd] Road

Imax:15233.99

(10%Imax) 1523.4
(20%Imax) 3046.8
(30%Imax) 4570.2
(40%Imax) 6093.6
(50%Imax) 7617
(60%Imax) 9140.4
(70%Imax) 10663.8
(80%Imax) 12187.2
(90%Imax) 13710.6

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

NT 2-2561-L

Luminance Limitting Curve(no luminous side)

Luminance Table

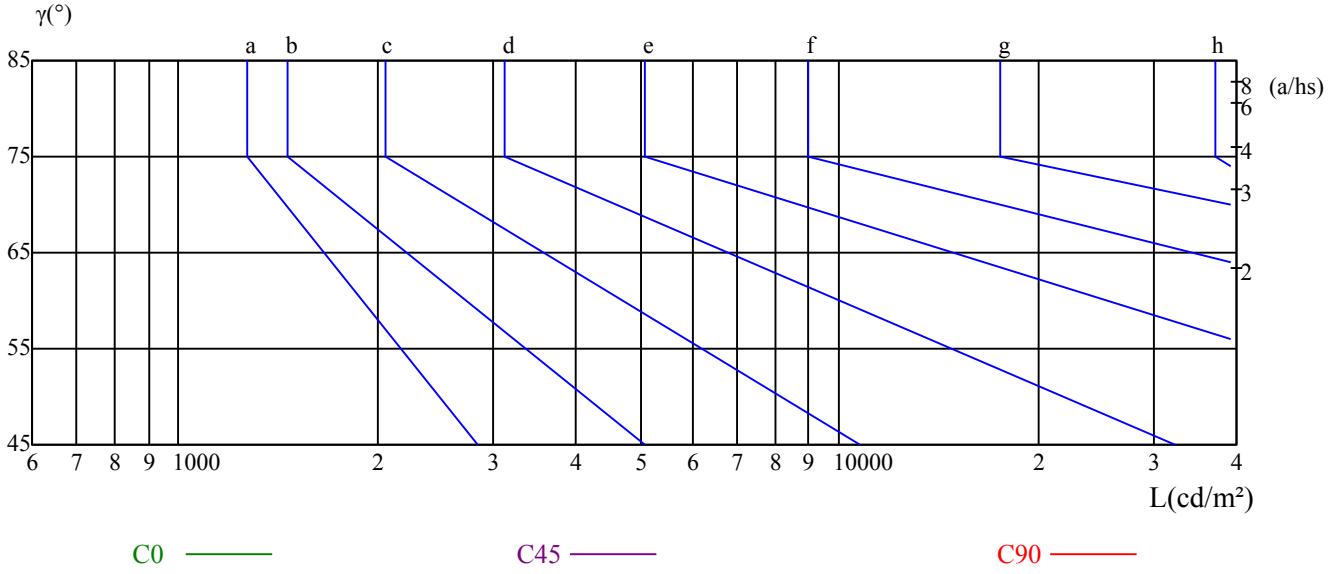
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

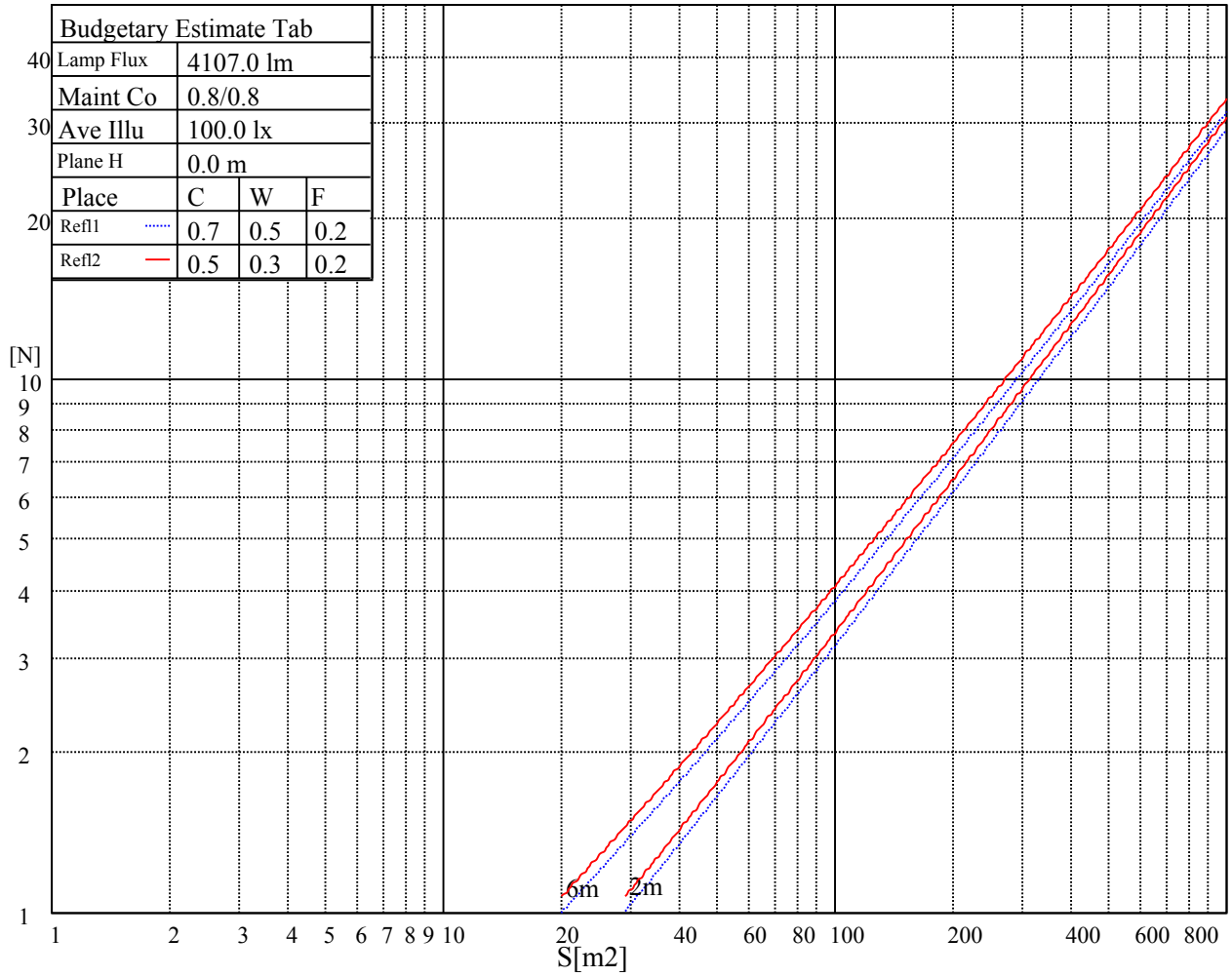
Luminance Limitting Curve



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

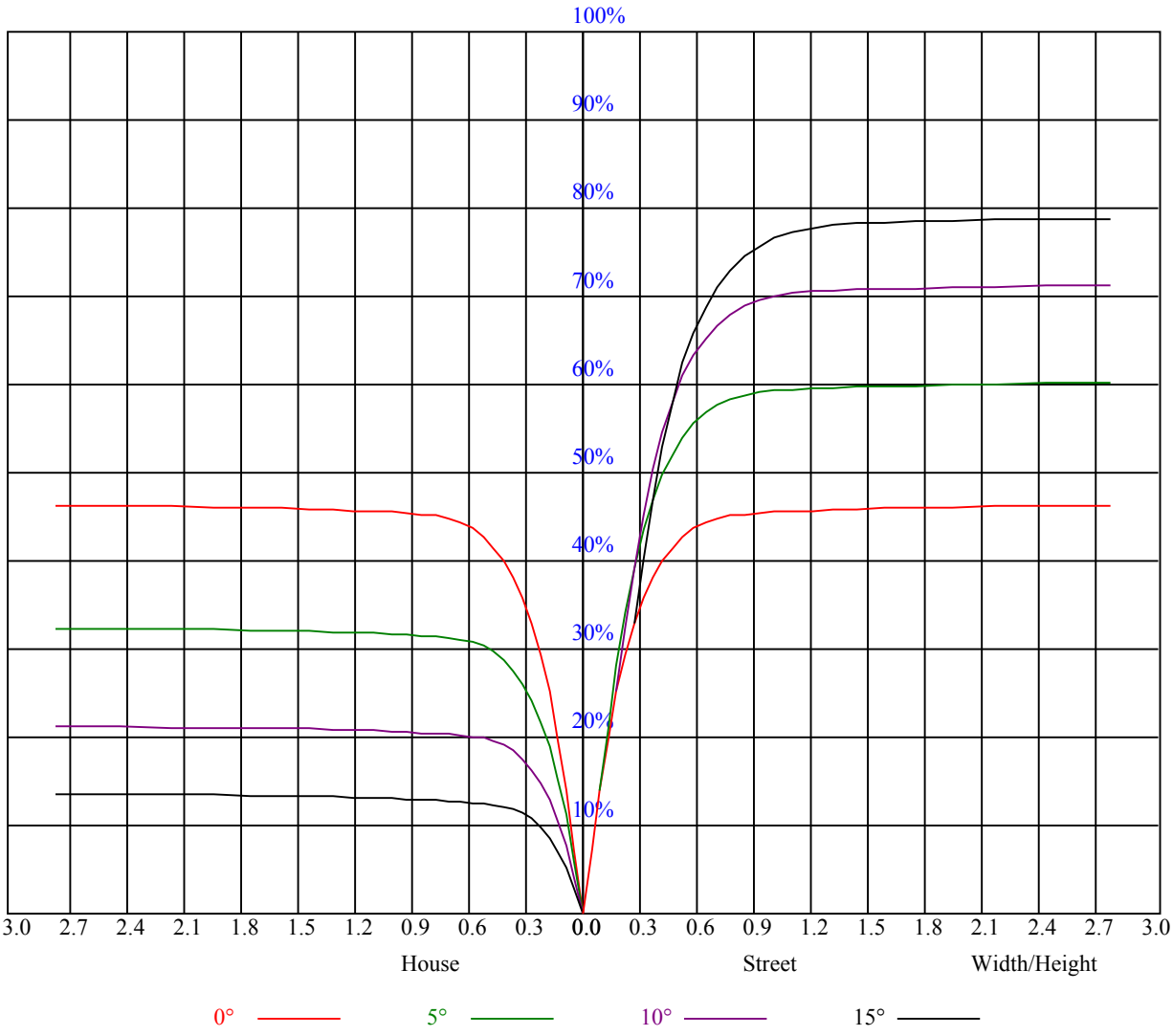


Equipment: GMS1980 Date: 2024/8/13 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

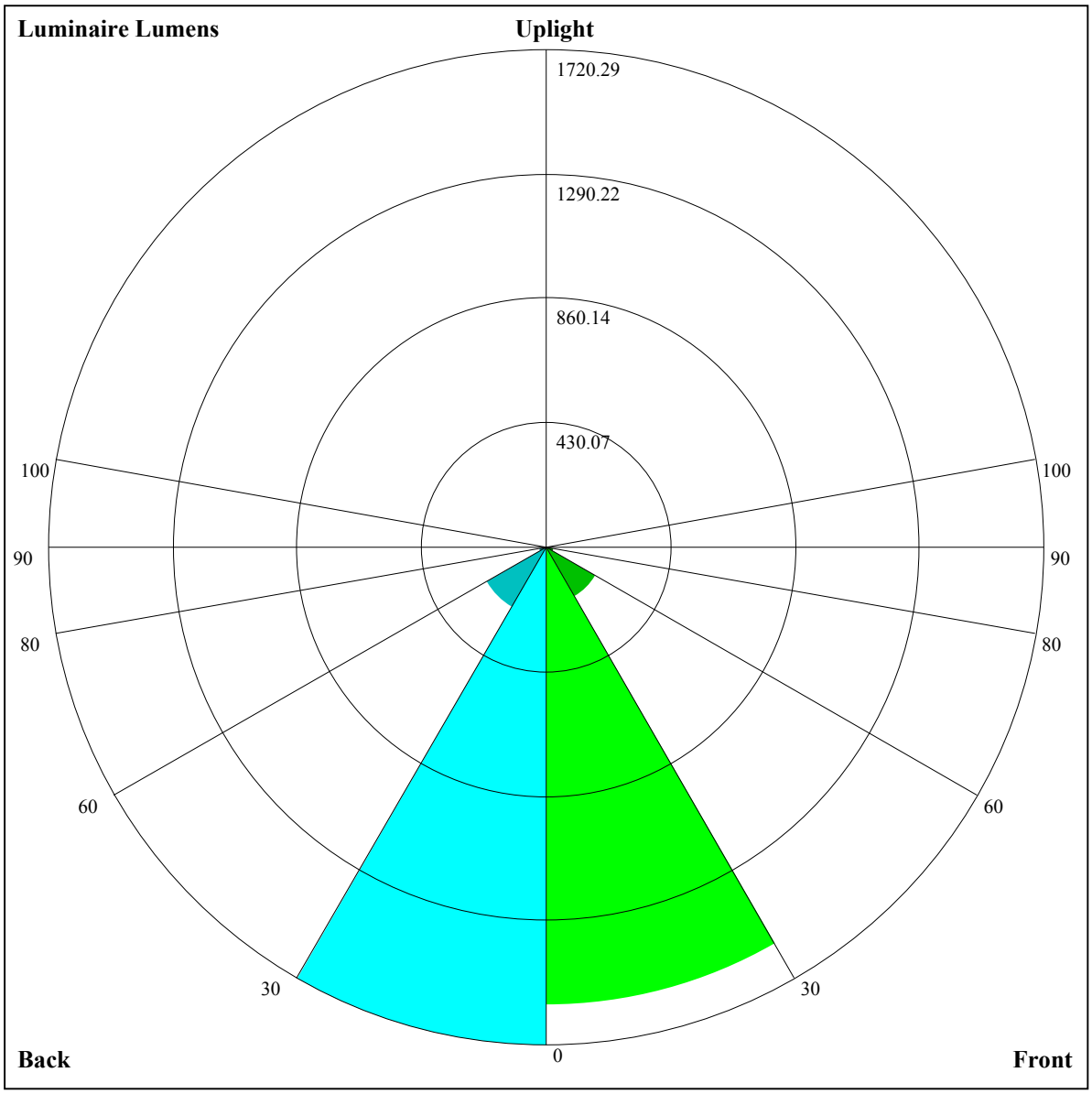
Utilization factor table for indoor luminaire

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	1.11	1.11	1.11	1.08	1.08	1.08	1.04	1.04	1.04	0.99	0.99	0.99	0.95	0.95	0.95	0.93
1	1.04	1.02	1.00	1.02	1.00	0.99	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.90	0.88
2	0.98	0.95	0.92	0.97	0.94	0.91	0.94	0.91	0.89	0.91	0.89	0.87	0.89	0.87	0.86	0.84
3	0.93	0.89	0.86	0.92	0.88	0.85	0.90	0.87	0.84	0.87	0.85	0.83	0.85	0.83	0.82	0.80
4	0.89	0.84	0.81	0.88	0.84	0.81	0.86	0.82	0.80	0.84	0.81	0.79	0.82	0.80	0.78	0.77
5	0.85	0.80	0.77	0.84	0.80	0.77	0.82	0.79	0.76	0.81	0.78	0.75	0.80	0.77	0.75	0.74
6	0.81	0.77	0.73	0.80	0.76	0.73	0.79	0.75	0.73	0.78	0.75	0.72	0.77	0.74	0.72	0.71
7	0.78	0.73	0.70	0.77	0.73	0.70	0.76	0.72	0.70	0.75	0.72	0.69	0.74	0.71	0.69	0.68
8	0.75	0.70	0.67	0.74	0.70	0.67	0.73	0.70	0.67	0.73	0.69	0.67	0.72	0.69	0.66	0.65
9	0.72	0.68	0.65	0.72	0.68	0.65	0.71	0.67	0.64	0.70	0.67	0.64	0.70	0.66	0.64	0.63
10	0.70	0.65	0.62	0.69	0.65	0.62	0.69	0.65	0.62	0.68	0.65	0.62	0.67	0.64	0.62	0.61

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=1583.88,FM=198.72,FH=28.25,FVH=9.93
BL=1720.29,BM=241.64,BH=29.25,BVH=9.99
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	15195.95	14938.45	14546.35	13978.68	12767.27	11517.29	11288.46	10325.77	9366.58
45.0	15236.92	15219.36	15067.20	14815.56	14312.26	13451.98	12638.52	11737.27	10514.15
90.0	15272.03	15207.66	14944.31	14540.50	13949.42	11567.62	11567.62	11081.88	10080.56
135.0	15231.07	15301.29	15277.88	15119.87	14733.62	14230.33	13539.77	12486.36	11573.41
180.0	15195.95	15254.47	15225.21	14961.86	14604.88	14089.88	13182.78	12334.20	11450.51
225.0	15236.92	15108.17	14815.56	14341.52	13756.30	11473.39	11473.39	11004.04	10017.35
270.0	15272.03	15195.95	15032.09	14733.62	14136.70	13451.98	12644.37	11731.42	10601.94
315.0	15231.07	14944.31	14552.20	14031.35	11551.23	11551.23	11064.91	10084.66	9126.06
360.0	15195.95	14938.45	14546.35	13978.68	12767.27	11517.29	11288.46	10325.77	9366.58

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	8273.97	7466.94	6590.86	5964.67	5400.51	4762.62	4310.24	3887.71	3443.52
45.0	9548.53	8641.43	7623.14	6903.31	6212.75	5604.11	4913.55	4410.26	3977.19
90.0	9093.87	7950.93	7140.97	6406.52	5765.70	5052.31	4554.28	4107.75	3601.53
135.0	10654.61	9729.95	8559.50	7687.52	6710.19	6019.62	5405.14	4737.98	4263.95
180.0	10262.51	9320.29	8436.60	7617.29	6663.37	6002.07	5428.55	4913.55	4316.62
225.0	9090.36	8016.47	7224.66	6505.42	5697.22	5158.82	4652.60	4103.07	3717.41
270.0	9683.13	8770.18	7868.94	6879.91	6183.49	5557.30	4890.14	4421.96	4000.60
315.0	8220.71	7387.35	6491.96	5857.58	5283.47	4658.45	4213.09	3816.31	3458.74
360.0	8273.97	7466.94	6590.86	5964.67	5400.51	4762.62	4310.24	3887.71	3443.52

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	3137.45	2858.30	2607.24	2345.64	2167.15	2009.14	1853.47	1682.00	1542.71
45.0	3585.09	3175.43	2964.75	2964.75	2402.41	2227.42	2029.03	1876.29	1734.67
90.0	3272.64	2922.09	2688.58	2474.39	2256.10	2099.85	1953.54	1817.18	1645.71
135.0	3854.29	3509.01	3152.02	2958.90	2958.90	2500.14	2288.29	2133.20	1990.99
180.0	3918.67	3561.68	3157.87	2976.45	2976.45	2470.88	2291.80	2141.98	1977.53
225.0	3378.56	3025.09	2775.20	2565.10	2383.09	2189.39	2048.93	1913.16	1787.34
270.0	3561.68	3263.21	2982.31	2982.31	2498.38	2311.11	2144.32	1958.81	1811.33
315.0	3081.27	2823.18	2534.08	2341.54	2173.58	1976.95	1838.25	1704.82	1575.48
360.0	3137.45	2858.30	2607.24	2345.64	2167.15	2009.14	1853.47	1682.00	1542.71

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1165.53	1165.53	1096.01	964.16	802.81	681.20	574.46	455.36	368.81
45.0	1598.31	1425.67	1286.38	1152.95	1017.18	852.15	727.49	615.72	515.64
90.0	1504.67	1153.71	1153.71	1082.84	917.52	789.06	667.33	534.49	437.75
135.0	1840.59	1663.85	1523.40	1386.46	1208.55	1069.85	897.79	764.36	644.39
180.0	1839.42	1705.99	1573.14	1397.58	1251.27	1111.40	968.61	800.65	681.85
225.0	1627.57	1492.38	1147.45	1147.45	1044.04	876.73	750.08	635.96	536.53
270.0	1673.22	1526.91	1353.10	1203.87	1056.39	889.02	756.75	611.62	515.06
315.0	1151.37	1151.37	1116.20	984.52	819.02	695.48	586.34	469.23	384.73
360.0	1165.53	1165.53	1096.01	964.16	802.81	681.20	574.46	455.36	368.81

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	295.48	235.79	176.39	140.57	114.76	95.57	81.58	69.41	62.50
45.0	401.52	322.52	303.79	227.18	143.38	108.85	89.42	75.67	63.91
90.0	332.47	263.59	206.88	151.16	119.85	97.15	80.88	66.89	59.22
135.0	512.13	416.74	332.47	312.57	312.57	143.26	113.59	92.41	77.31
180.0	576.51	448.93	361.73	304.38	304.38	162.40	123.54	101.01	83.34
225.0	419.66	338.90	270.08	213.20	158.89	127.93	105.63	88.95	75.08
270.0	428.44	329.54	295.60	295.60	170.36	136.94	110.02	94.16	81.58
315.0	311.11	249.19	187.33	148.71	114.00	94.92	81.00	71.22	62.85
360.0	295.48	235.79	176.39	140.57	114.76	95.57	81.58	69.41	62.50

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	56.59	53.02	50.21	47.64	46.06	44.83	43.72	43.31	43.13
45.0	57.59	52.85	49.22	45.76	43.60	41.84	40.44	39.50	38.80
90.0	53.61	49.22	45.12	42.78	40.97	39.33	38.45	37.86	37.45
135.0	64.84	58.29	52.61	49.39	46.88	44.71	43.42	42.43	41.67
180.0	72.10	62.85	57.82	54.31	51.73	49.39	48.05	47.05	46.47
225.0	67.53	61.33	57.76	55.01	52.44	50.74	49.45	48.34	47.58
270.0	73.50	65.90	61.27	57.94	54.25	52.09	50.21	48.81	47.70
315.0	58.29	54.60	51.62	48.87	47.11	45.76	44.42	43.60	43.01
360.0	56.59	53.02	50.21	47.64	46.06	44.83	43.72	43.31	43.13

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	43.31	43.60	44.13	44.48	44.59	43.83	42.55	40.38	37.45
45.0	38.39	38.39	38.68	39.33	40.03	40.61	40.61	39.74	37.92
90.0	37.28	37.63	38.27	38.86	39.91	40.67	40.61	39.74	38.16
135.0	41.38	41.26	41.32	41.73	42.25	42.60	43.01	42.78	41.67
180.0	46.17	45.94	45.94	46.41	46.76	47.11	46.70	45.65	44.13
225.0	47.05	46.82	46.99	46.99	46.82	46.53	45.30	43.54	40.50
270.0	46.76	46.17	46.12	46.23	45.94	46.12	45.94	45.18	43.07
315.0	42.84	42.90	43.31	43.37	43.42	43.07	41.90	39.97	37.51
360.0	43.31	43.60	44.13	44.48	44.59	43.83	42.55	40.38	37.45

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	35.11	32.77	31.25	30.14	29.03	28.27	27.51	26.86	26.10
45.0	35.76	33.47	31.02	29.26	28.03	26.98	25.98	25.28	24.76
90.0	35.99	32.89	30.72	28.97	27.33	26.39	25.46	24.76	24.17
135.0	39.68	36.69	34.06	31.31	29.55	28.27	27.21	26.22	25.46
180.0	41.08	38.27	35.64	33.59	31.49	30.20	29.20	28.09	27.33
225.0	37.57	34.88	32.13	30.37	29.03	27.97	26.80	26.04	25.28
270.0	40.61	37.86	34.53	32.42	30.78	28.97	28.03	26.80	25.87
315.0	34.94	32.36	30.49	29.09	27.86	26.69	25.98	25.11	24.46
360.0	35.11	32.77	31.25	30.14	29.03	28.27	27.51	26.86	26.10

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	25.46	24.93	24.35	23.64	23.12	22.71	22.24	21.83	21.30
45.0	24.05	23.47	22.88	22.36	21.89	21.42	20.95	20.60	20.25
90.0	23.47	22.94	22.47	22.00	21.42	21.01	20.66	20.31	19.90
135.0	24.87	24.17	23.47	22.94	22.41	21.89	21.30	20.89	20.48
180.0	26.39	25.69	25.05	24.35	23.64	23.12	22.59	22.06	21.65
225.0	24.58	23.70	23.06	22.36	21.71	21.19	20.72	20.25	19.84
270.0	25.28	24.35	23.47	22.59	22.00	21.65	21.07	20.60	20.19
315.0	23.76	23.06	22.53	21.95	21.42	20.89	20.54	20.13	19.78
360.0	25.46	24.93	24.35	23.64	23.12	22.71	22.24	21.83	21.30

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	20.78	20.31	19.84	19.43	19.20	18.73	18.14	17.50	16.91
45.0	19.78	19.43	19.02	18.61	18.20	17.85	17.44	17.03	16.74
90.0	19.43	18.96	18.55	18.14	17.79	17.38	17.03	16.68	16.39
135.0	20.07	19.66	19.14	18.79	18.32	18.02	17.56	17.21	16.91
180.0	21.24	20.66	20.13	19.66	19.31	18.90	18.26	17.97	17.91
225.0	19.43	19.08	18.61	18.26	17.85	17.50	17.15	16.80	16.39
270.0	19.84	19.37	18.79	18.43	18.02	17.62	17.21	16.85	16.50
315.0	19.37	18.90	18.49	18.14	17.79	17.32	16.97	16.62	16.39
360.0	20.78	20.31	19.84	19.43	19.20	18.73	18.14	17.50	16.91

Intensity data(cd)

C/γ(°)	90.0
0.0	16.44
45.0	16.44
90.0	16.27
135.0	16.56
180.0	16.50
225.0	16.39
270.0	16.33
315.0	16.33
360.0	16.44