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

NT

Client:
LumCAT: 1-1207-L
Luminaire: 92.70.427.00
Report No: 2024727-B012
Ballast type: AC

Test No: 2024727-C012	Voltage(V): 35.740
LampCAT: TRIDONIC SLE G7 9MM	Current(A): 0.360
Lamp flux(lm): 2026.0	Power (W): 12.866
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 1851.48, Efficiency(%): 91.39% , Luminous Efficacy(lm/W): 143.90
Central intensity(cd): 6322.830, Maximum intensity(cd): 6322.830
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=26.4
[C90/270]Total=26.4
Field angle(10%Imax): [C0/180]Total=57.6
[C90/270]Total=57.6
Maximum s/h(1/2): C0_180=0.45 C90_270=0.45
Maximum s/h(1/4): C0_180=0.44 C90_270=0.44
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 91.39%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 97.869%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	6322.829	0.000	0	0.00%	0.00%
1.0	6307.614	6.043	6.043	0.30%	0.33%
2.0	6253.553	18.029	24.072	0.89%	1.30%
3.0	6156.772	29.681	53.754	1.47%	2.90%
4.0	6011.563	40.731	94.485	2.01%	5.10%
5.0	5845.944	51.010	145.496	2.52%	7.86%
6.0	5602.783	60.166	205.662	2.97%	11.11%
7.0	5346.382	67.961	273.623	3.35%	14.78%
8.0	5057.500	74.459	348.081	3.68%	18.80%
9.0	4725.750	79.288	427.369	3.91%	23.08%
10.0	4383.686	82.437	509.806	4.07%	27.54%
11.0	4001.900	83.789	593.596	4.14%	32.06%
12.0	3622.162	83.342	676.938	4.11%	36.56%
13.0	3255.226	81.617	758.555	4.03%	40.97%
14.0	2877.756	78.502	837.057	3.87%	45.21%
15.0	2531.596	74.262	911.319	3.67%	49.22%
16.0	2200.212	69.334	980.653	3.42%	52.97%
17.0	1943.298	64.526	1045.178	3.18%	56.45%
18.0	1678.967	59.723	1104.902	2.95%	59.68%
19.0	1464.694	54.693	1159.595	2.70%	62.63%
20.0	1299.799	50.598	1210.193	2.50%	65.36%
21.0	1208.153	48.158	1258.351	2.38%	67.96%
22.0	1103.522	46.454	1304.805	2.29%	70.47%
23.0	1025.270	44.668	1349.472	2.20%	72.89%
24.0	955.351	43.303	1392.776	2.14%	75.23%
25.0	893.031	42.028	1434.804	2.07%	77.50%
26.0	833.251	40.749	1475.553	2.01%	79.70%
27.0	767.515	39.163	1514.716	1.93%	81.81%
28.0	693.784	36.997	1551.713	1.83%	83.81%
29.0	614.640	34.232	1585.945	1.69%	85.66%
30.0	534.742	31.033	1616.978	1.53%	87.33%
31.0	449.680	27.395	1644.373	1.35%	88.81%
32.0	371.318	23.521	1667.894	1.16%	90.08%
33.0	297.543	19.705	1687.599	0.97%	91.15%
34.0	244.770	16.412	1704.011	0.81%	92.04%
35.0	201.903	13.872	1717.883	0.68%	92.78%
36.0	145.772	11.070	1728.953	0.55%	93.38%
37.0	105.626	8.199	1737.152	0.40%	93.83%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	90.300	6.540	1743.692	0.32%	94.18%
39.0	79.364	5.791	1749.483	0.29%	94.49%
40.0	71.185	5.251	1754.734	0.26%	94.77%
41.0	64.499	4.832	1759.565	0.24%	95.04%
42.0	58.669	4.475	1764.04	0.22%	95.28%
43.0	54.031	4.175	1768.215	0.21%	95.50%
44.0	49.254	3.898	1772.113	0.19%	95.71%
45.0	45.055	3.624	1775.738	0.18%	95.91%
46.0	41.046	3.367	1779.105	0.17%	96.09%
47.0	37.586	3.127	1782.232	0.15%	96.26%
48.0	34.653	2.920	1785.153	0.14%	96.42%
49.0	32.312	2.750	1787.902	0.14%	96.57%
50.0	30.337	2.612	1790.515	0.13%	96.71%
51.0	28.639	2.495	1793.01	0.12%	96.84%
52.0	27.140	2.394	1795.403	0.12%	96.97%
53.0	25.808	2.303	1797.706	0.11%	97.10%
54.0	24.682	2.225	1799.932	0.11%	97.22%
55.0	23.680	2.159	1802.091	0.11%	97.33%
56.0	22.721	2.097	1804.187	0.10%	97.45%
57.0	21.873	2.039	1806.226	0.10%	97.56%
58.0	21.039	1.984	1808.211	0.10%	97.66%
59.0	20.322	1.934	1810.144	0.10%	97.77%
60.0	19.525	1.882	1812.027	0.09%	97.87%
61.0	18.815	1.830	1813.856	0.09%	97.97%
62.0	18.113	1.779	1815.636	0.09%	98.06%
63.0	17.527	1.733	1817.369	0.09%	98.16%
64.0	16.935	1.691	1819.06	0.08%	98.25%
65.0	16.379	1.649	1820.709	0.08%	98.34%
66.0	15.808	1.606	1822.315	0.08%	98.42%
67.0	15.304	1.564	1823.879	0.08%	98.51%
68.0	14.784	1.524	1825.403	0.08%	98.59%
69.0	14.353	1.486	1826.89	0.07%	98.67%
70.0	13.936	1.453	1828.343	0.07%	98.75%
71.0	13.599	1.423	1829.766	0.07%	98.83%
72.0	13.241	1.396	1831.161	0.07%	98.90%
73.0	12.890	1.366	1832.528	0.07%	98.98%
74.0	12.546	1.337	1833.865	0.07%	99.05%
75.0	12.202	1.308	1835.173	0.06%	99.12%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	11.902	1.280	1836.452	0.06%	99.19%
77.0	11.587	1.252	1837.705	0.06%	99.26%
78.0	11.280	1.224	1838.929	0.06%	99.32%
79.0	10.980	1.196	1840.125	0.06%	99.39%
80.0	10.673	1.167	1841.292	0.06%	99.45%
81.0	10.402	1.140	1842.432	0.06%	99.51%
82.0	10.132	1.114	1843.545	0.05%	99.57%
83.0	9.861	1.087	1844.632	0.05%	99.63%
84.0	9.576	1.059	1845.691	0.05%	99.69%
85.0	9.320	1.031	1846.722	0.05%	99.74%
86.0	9.049	1.004	1847.726	0.05%	99.80%
87.0	8.822	0.978	1848.704	0.05%	99.85%
88.0	8.522	0.950	1849.655	0.05%	99.90%
89.0	8.296	0.922	1850.576	0.05%	99.95%
90.0	8.149	0.902	1851.478	0.04%	100.00%

Zonal flux distribution table

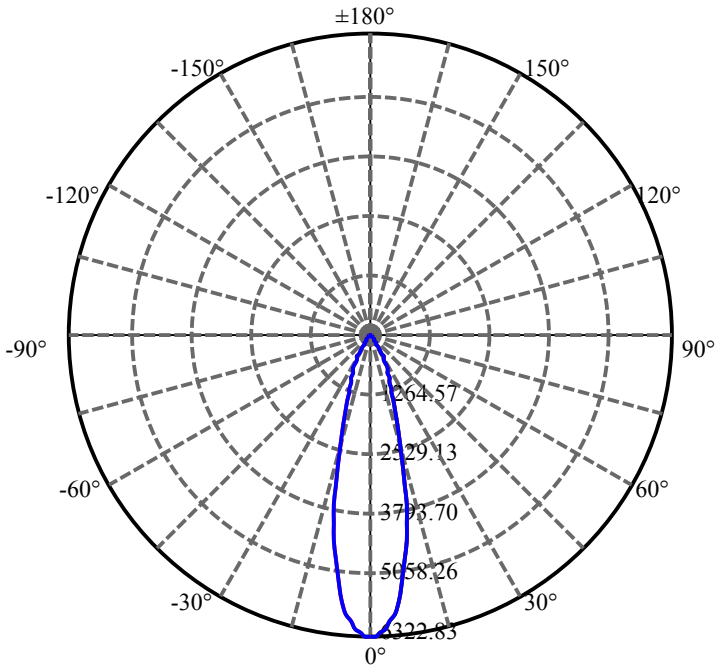
ZONAL LUMEN SUMMARY

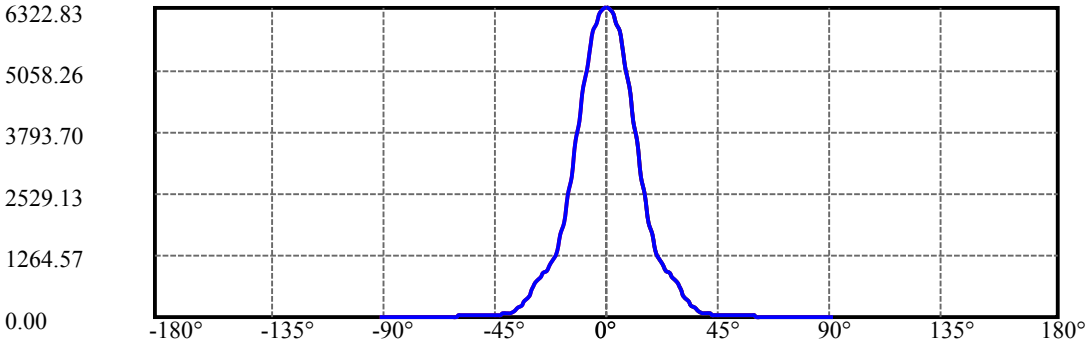
Zone	Lumens	%Lamp	%Fixt
0-30	1616.98	79.81%	87.33%
0-40	1754.73	86.61%	94.77%
0-60	1812.03	89.44%	97.87%
0-90	1850.58	91.34%	99.95%
0-120	1850.58	91.34%	99.95%
0-180	1851.48	91.39%	100.00%
60-90	38.55	1.90%	2.08%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-26.14	1481.18	73.11%	80.00%

ZONAL LUMEN SUMMARY

0-10	509.81
10-20	700.39
20-30	406.79
30-40	137.76
40-50	35.78
50-60	21.51
60-70	16.32
70-80	12.95
80-90	9.28
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):

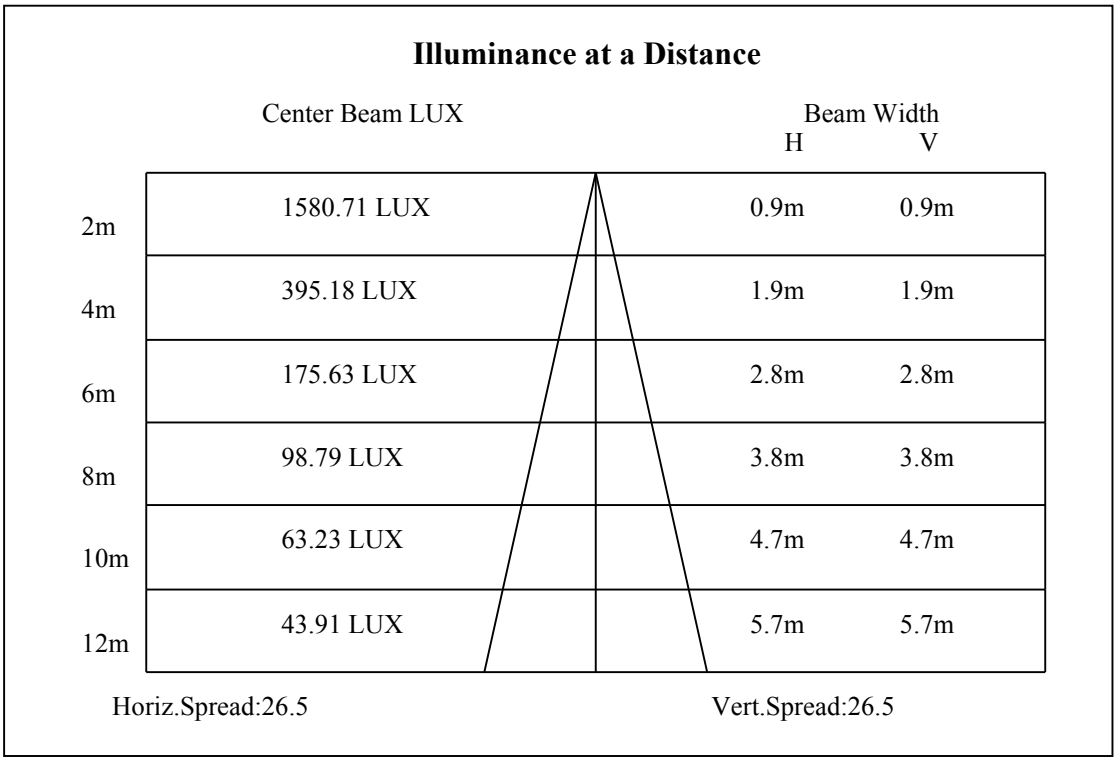
C0/C180:

C90/C270:

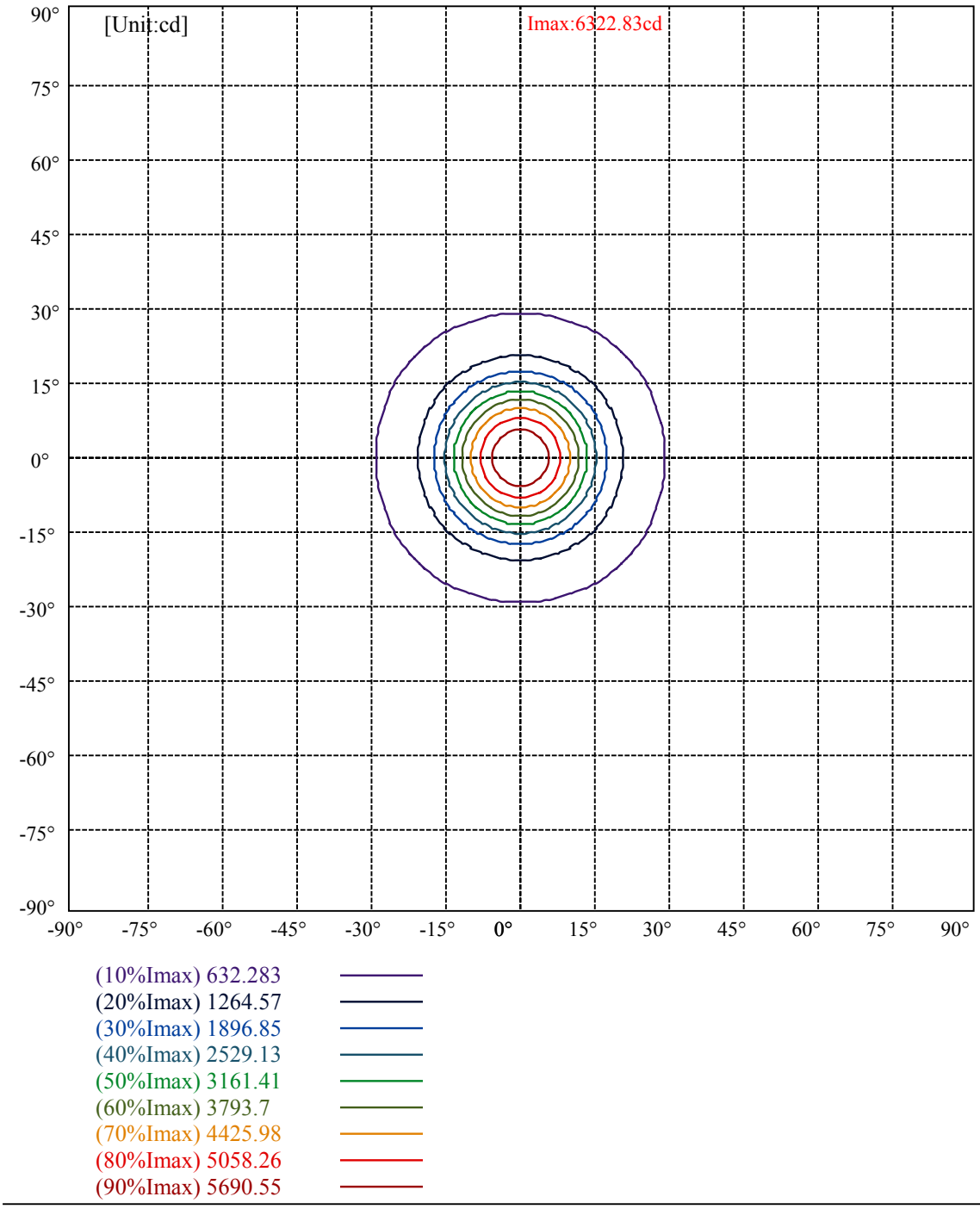
Field angle(10%Imax):C0/180Left:28.8 Right:28.8
:C90/270Left:28.8 Right:28.8

Beam Angle(50%Imax):C0/180Left:13.2 Right:13.2
:C90/270Left:13.2 Right:13.2

Lux distance Curve



ISO-Intensity(V-H)



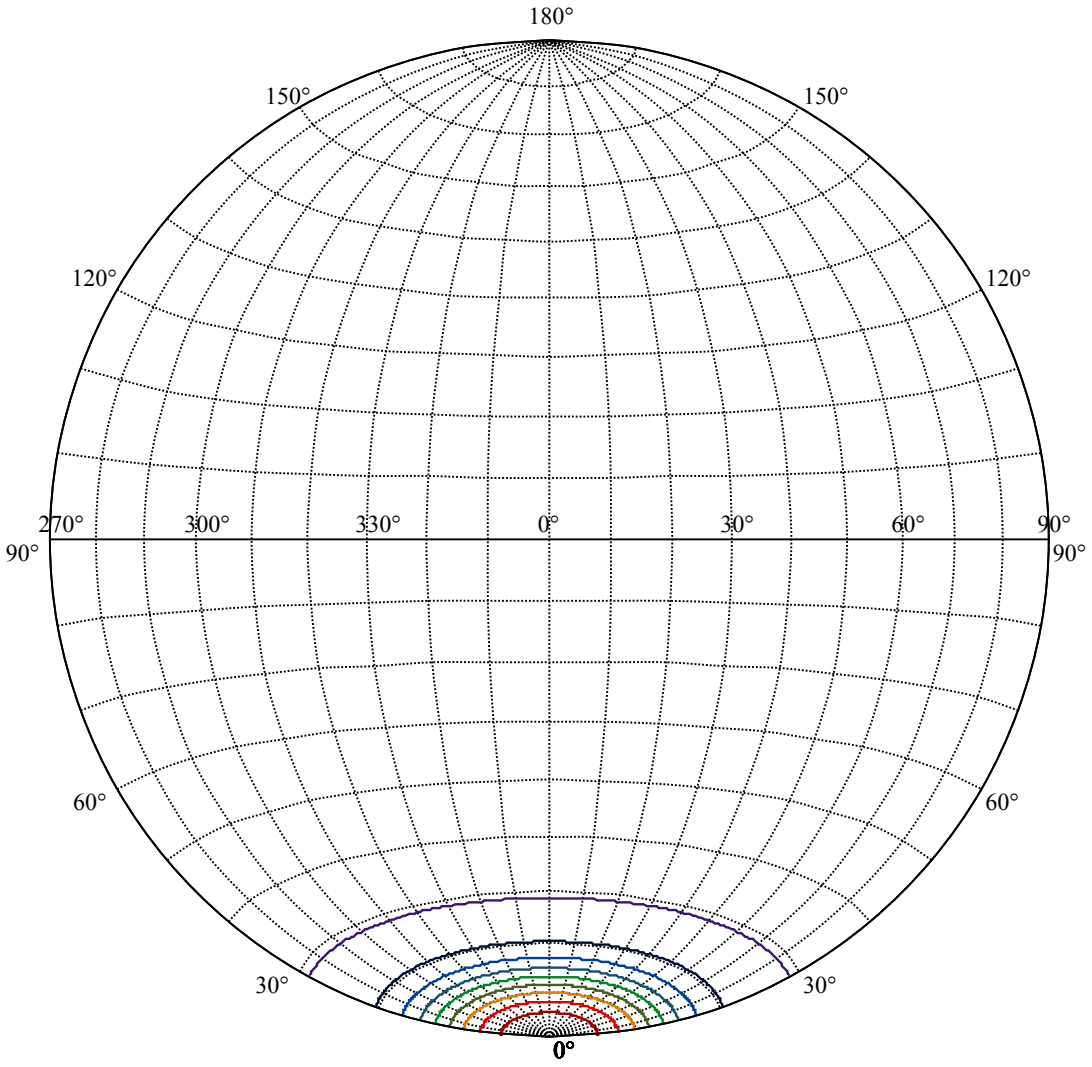
(10%Imax) 632.283
(20%Imax) 1264.57
(30%Imax) 1896.85
(40%Imax) 2529.13
(50%Imax) 3161.41
(60%Imax) 3793.7
(70%Imax) 4425.98
(80%Imax) 5058.26
(90%Imax) 5690.55

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/7/27
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

ISO candela diagram on circular web



House [Unit:cd] Road

Imax:6322.83

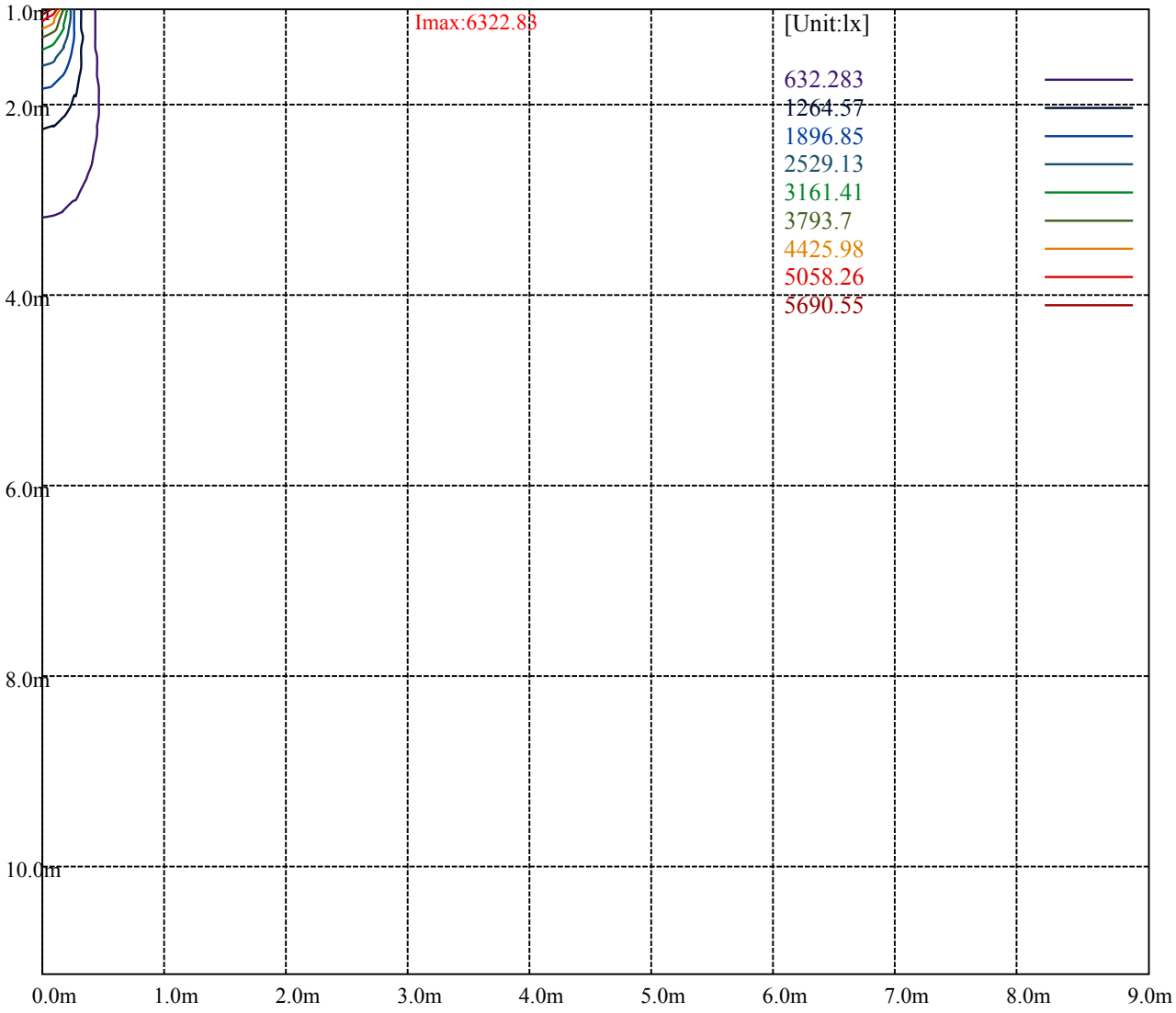
(10%Imax) 632.283
(20%Imax) 1264.57
(30%Imax) 1896.85
(40%Imax) 2529.13
(50%Imax) 3161.41
(60%Imax) 3793.7
(70%Imax) 4425.98
(80%Imax) 5058.26
(90%Imax) 5690.55

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/7/27
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/7/27
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

NT 1-1207-L

Luminance Limitting Curve(no luminous side)

Luminance Table

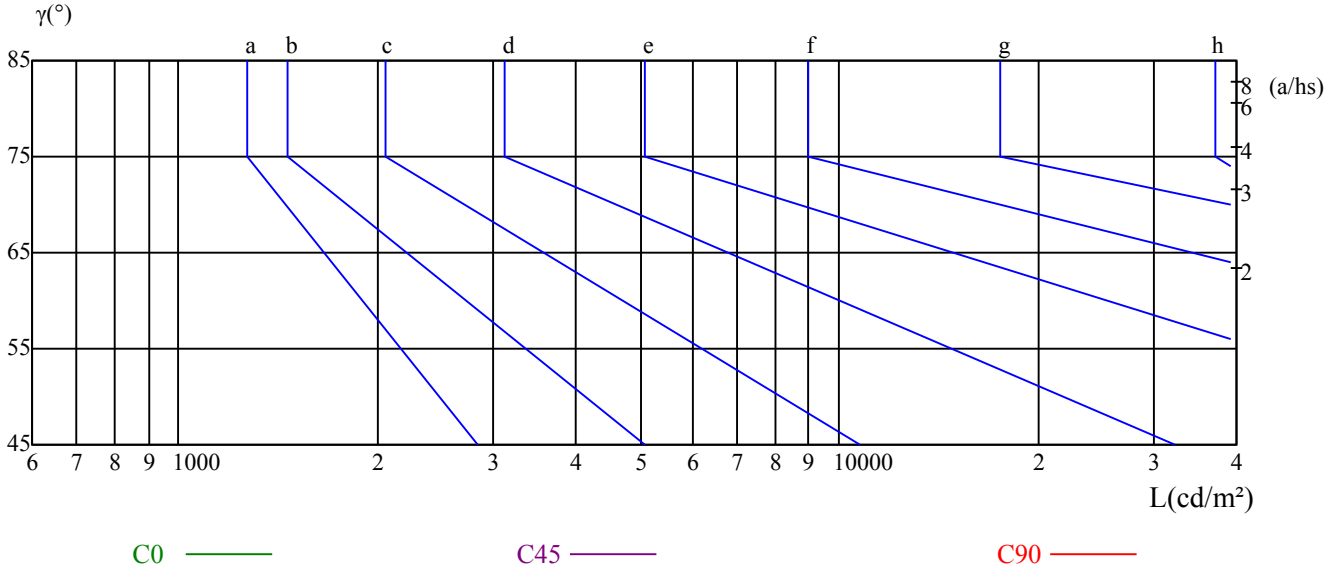
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

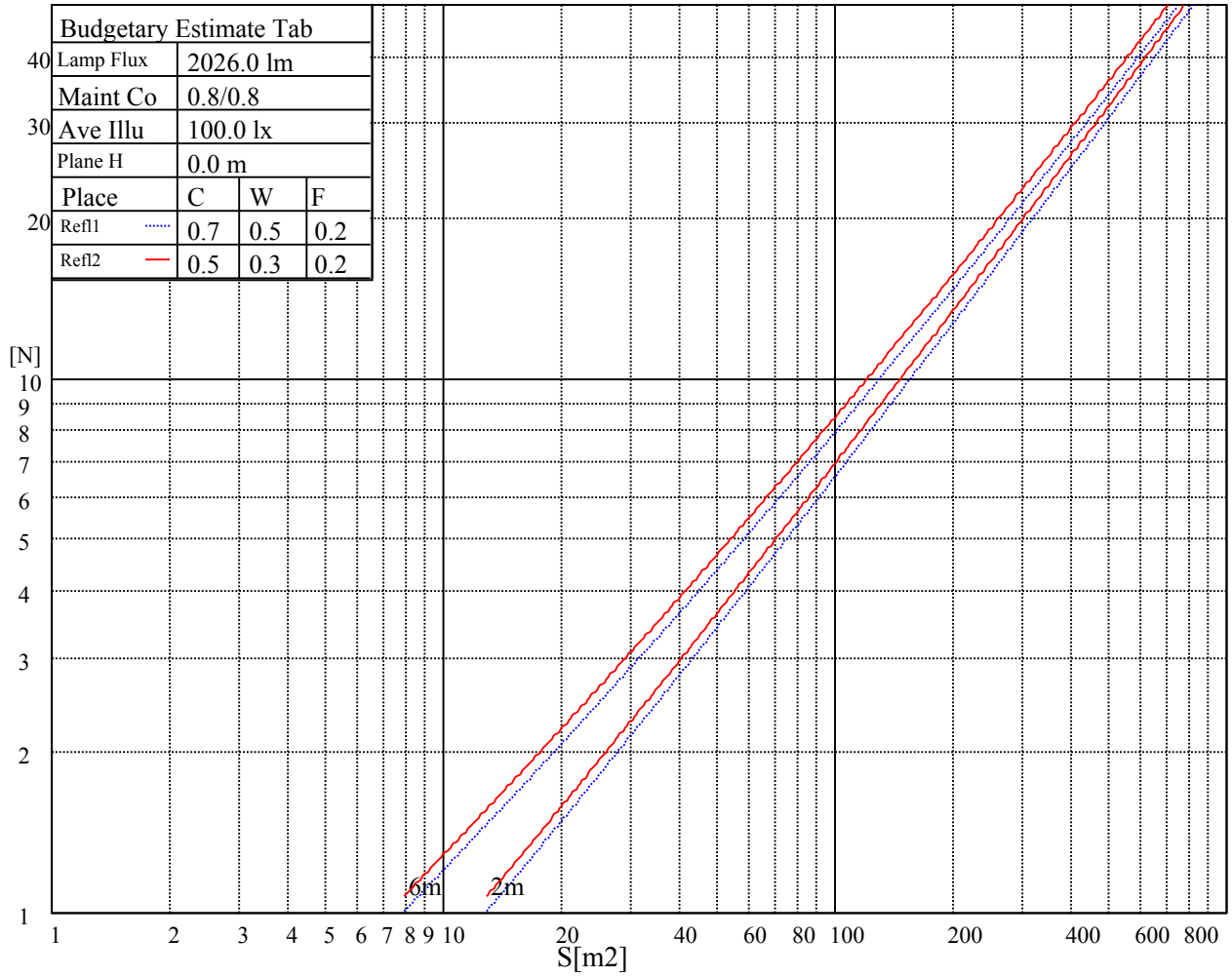
Luminance Limitting Curve



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 X Y	Viewed crosswise					Viewed endwise				
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
2H 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
2H 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
2H 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
2H 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
2H 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
4H 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 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
4H 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
4H 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
4H 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
8H 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 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
8H 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
12H 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
12H 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

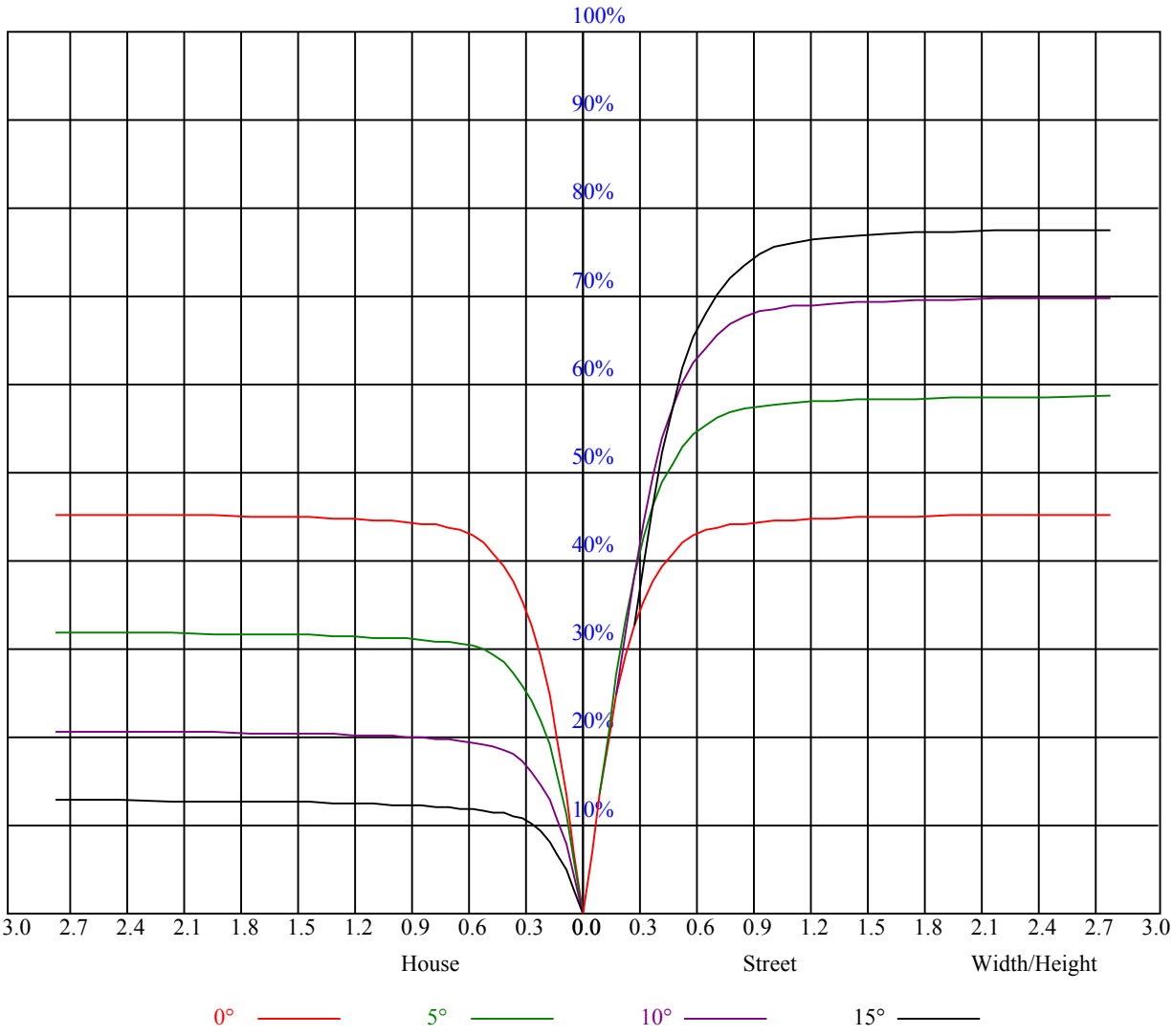


Equipment: GMS1980	Date: 2024/7/27	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65

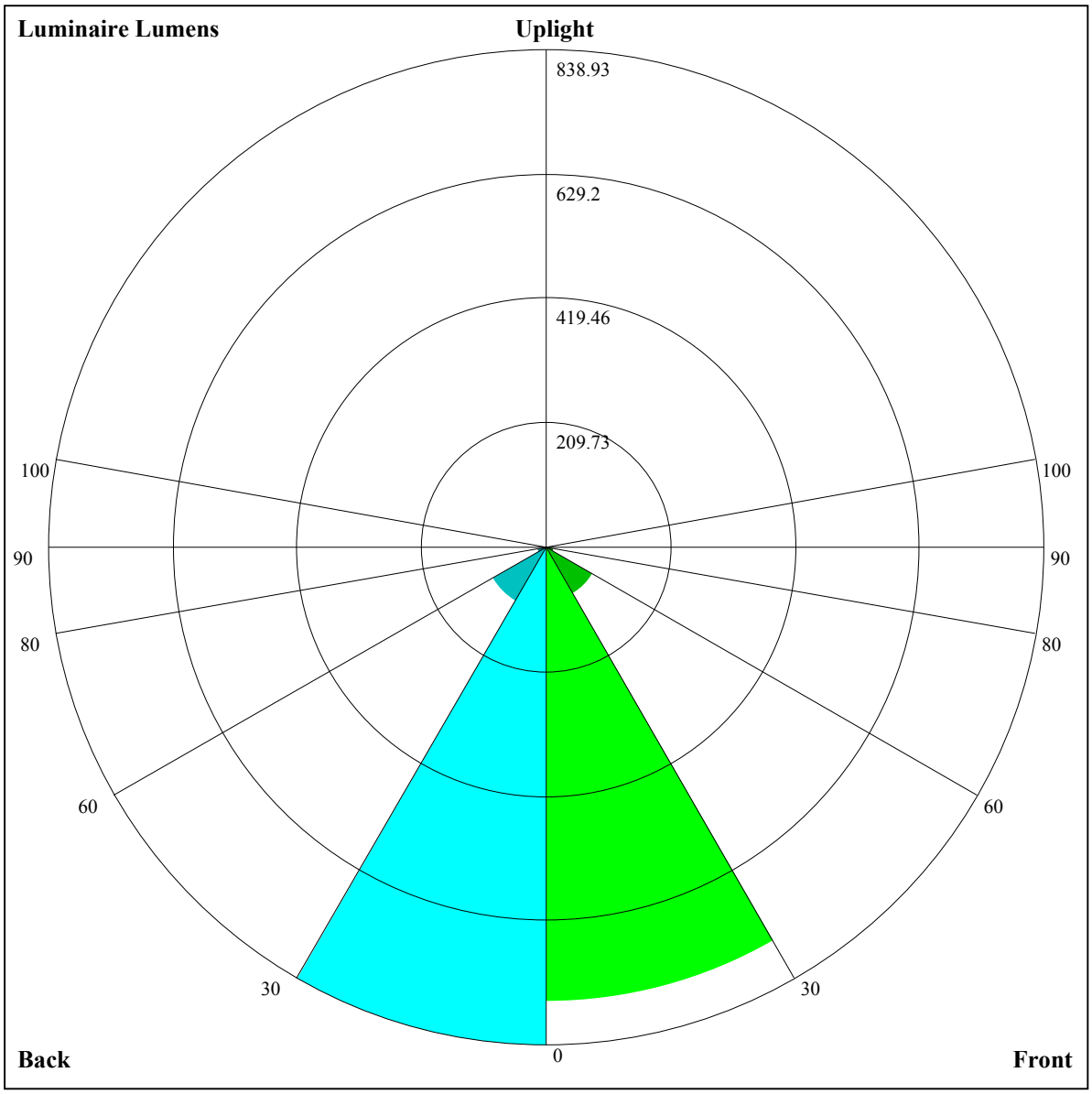
Utilization factor table for indoor luminaire

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	1.02	1.02	1.02	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	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.87
2	0.96	0.93	0.90	0.95	0.92	0.89	0.92	0.89	0.87	0.89	0.87	0.86	0.87	0.85	0.84	0.82
3	0.91	0.87	0.84	0.90	0.87	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	0.79	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	0.75	0.82	0.78	0.75	0.81	0.77	0.74	0.79	0.76	0.74	0.78	0.75	0.73	0.72
6	0.79	0.75	0.72	0.79	0.75	0.72	0.78	0.74	0.71	0.76	0.73	0.71	0.75	0.72	0.70	0.69
7	0.76	0.72	0.69	0.76	0.72	0.69	0.75	0.71	0.68	0.74	0.70	0.68	0.73	0.70	0.68	0.67
8	0.73	0.69	0.66	0.73	0.69	0.66	0.72	0.68	0.66	0.71	0.68	0.65	0.70	0.67	0.65	0.64
9	0.71	0.66	0.64	0.70	0.66	0.63	0.70	0.66	0.63	0.69	0.65	0.63	0.68	0.65	0.63	0.62
10	0.68	0.64	0.61	0.68	0.64	0.61	0.67	0.64	0.61	0.67	0.63	0.61	0.66	0.63	0.61	0.60

Coefficient Utilization Curve



Equipment: GMS1980	Date: 2024/7/27	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65



Luminaire Lumens:
FL=765.32,FM=91.57,FH=14.24,FVH=5
BL=838.93,BM=104.95,BH=14.9,BVH=5.15
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	6322.24	6290.64	6221.00	6092.25	5917.85	5724.14	5428.61	5171.69	4860.35
45.0	6307.03	6335.70	6324.59	6260.80	6112.73	5931.31	5704.83	5461.96	5103.81
90.0	6346.24	6327.51	6260.80	6175.94	5980.47	5785.01	5538.04	5192.76	4889.61
135.0	6315.81	6340.97	6353.26	6294.74	6226.27	6132.63	5981.06	5821.88	5579.01
180.0	6322.24	6325.17	6289.47	6220.42	6124.44	6048.36	5876.30	5713.61	5528.09
225.0	6307.03	6246.75	6135.56	6013.83	5854.06	5662.11	5356.04	5076.89	4784.27
270.0	6346.24	6321.07	6273.67	6164.23	6022.61	5834.17	5604.17	5283.47	4987.35
315.0	6315.81	6273.09	6170.09	6031.97	5854.06	5649.82	5333.21	5048.79	4727.51
360.0	6322.24	6290.64	6221.00	6092.25	5917.85	5724.14	5428.61	5171.69	4860.35

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	4434.89	4077.32	3605.63	3221.14	2851.86	2432.25	2115.65	1855.81	1645.71
45.0	4799.49	4460.06	4036.36	3683.46	3325.89	2967.15	2562.76	2254.35	1989.82
90.0	4579.44	4246.45	3811.04	3450.55	3107.02	2761.15	2356.17	2075.27	1825.96
135.0	5326.19	5045.28	4752.09	4354.13	4010.61	3656.54	3302.48	2863.56	2536.42
180.0	5213.24	4917.12	4610.46	4211.92	3867.81	3516.09	3157.93	2748.28	2436.35
225.0	4476.44	4071.47	3744.33	3412.51	3066.05	2659.91	2349.15	2005.62	1782.07
270.0	4671.32	4320.19	3897.66	3543.01	3073.66	2718.43	2397.73	2046.59	1794.36
315.0	4304.97	3931.60	3557.64	3100.58	2738.91	2310.53	2010.89	1752.22	1535.69
360.0	4434.89	4077.32	3605.63	3221.14	2851.86	2432.25	2115.65	1855.81	1645.71

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1436.79	1151.72	1151.72	1109.88	1018.23	957.78	905.64	841.85	773.84
45.0	1700.72	1514.62	1338.47	1225.52	1134.22	1069.26	994.94	937.59	885.50
90.0	1625.23	1299.26	1146.34	1121.76	1028.83	952.80	875.79	833.42	788.01
135.0	2215.14	1920.77	1633.42	1436.20	1254.20	1147.10	1063.41	972.12	908.91
180.0	2143.15	1878.05	1597.14	1430.35	1255.37	1150.03	1064.58	977.97	918.28
225.0	1575.48	1391.14	1147.39	1147.39	1082.32	996.52	935.13	887.96	837.75
270.0	1580.17	1406.94	1249.51	1154.71	1073.36	1004.30	932.32	876.73	824.06
315.0	1155.06	1155.06	1134.40	1039.42	981.66	924.36	870.99	816.62	729.66
360.0	1436.79	1151.72	1151.72	1109.88	1018.23	957.78	905.64	841.85	773.84

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	699.75	604.24	522.66	443.19	348.68	277.05	215.13	162.63	118.04
45.0	826.40	740.37	669.56	595.23	518.57	423.76	352.95	300.28	300.28
90.0	722.28	653.58	582.88	509.61	421.01	353.01	288.69	229.58	164.16
135.0	859.75	810.01	721.06	647.32	568.90	491.06	396.26	323.10	304.96
180.0	859.75	784.26	708.18	626.25	550.17	471.75	372.85	300.28	300.28
225.0	763.25	690.92	611.74	530.92	430.78	356.05	269.03	208.87	148.65
270.0	753.83	690.62	623.32	524.42	449.51	354.12	297.94	297.94	169.72
315.0	655.10	576.27	477.72	401.00	309.82	243.75	187.51	135.48	109.14
360.0	699.75	604.24	522.66	443.19	348.68	277.05	215.13	162.63	118.04

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	100.31	89.60	80.41	70.64	64.43	59.17	53.37	48.81	43.25
45.0	154.21	117.16	102.53	91.94	83.10	73.74	67.42	62.03	57.29
90.0	125.65	97.38	85.79	76.72	67.53	61.62	56.24	51.73	47.23
135.0	226.01	130.74	101.07	83.34	74.67	65.84	59.99	55.19	50.74
180.0	225.60	124.30	99.43	85.21	77.13	70.40	63.38	58.99	54.89
225.0	116.75	97.09	86.67	77.89	68.82	62.91	57.88	53.26	48.22
270.0	124.07	104.81	90.94	82.05	72.33	65.66	60.28	55.77	50.10
315.0	93.58	83.92	75.55	67.13	61.45	56.65	50.80	46.47	42.31
360.0	100.31	89.60	80.41	70.64	64.43	59.17	53.37	48.81	43.25

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	39.56	36.58	33.24	31.02	29.20	27.51	26.10	24.58	23.41
45.0	51.56	46.88	42.84	38.68	35.87	33.36	30.67	28.85	26.86
90.0	43.60	39.97	36.75	33.94	32.19	30.61	29.03	28.09	27.27
135.0	46.94	42.66	39.09	35.82	33.18	31.02	29.90	28.79	27.97
180.0	51.03	46.35	42.66	39.39	36.69	34.06	32.13	30.43	28.68
225.0	44.36	40.50	36.64	34.24	31.66	29.85	28.15	26.39	25.11
270.0	45.47	40.32	36.75	34.00	31.25	29.32	27.62	26.04	24.46
315.0	37.92	35.11	32.71	30.14	28.44	26.98	25.52	23.94	22.71
360.0	39.56	36.58	33.24	31.02	29.20	27.51	26.10	24.58	23.41

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	22.41	21.54	20.54	19.84	19.02	18.49	17.97	17.44	17.09
45.0	25.46	24.23	23.12	21.89	21.07	20.31	19.55	18.84	18.26
90.0	26.16	25.52	24.64	23.58	22.59	21.54	20.60	19.66	18.90
135.0	27.15	26.22	25.57	25.22	24.35	23.76	22.77	21.65	20.37
180.0	27.39	26.22	25.05	24.05	22.94	22.12	21.36	20.66	19.78
225.0	23.94	22.88	21.65	20.89	20.19	19.55	18.79	18.20	17.62
270.0	23.17	22.18	21.36	20.31	19.61	18.96	17.91	17.44	16.74
315.0	21.77	20.66	19.84	19.20	18.55	17.85	17.26	16.62	16.15
360.0	22.41	21.54	20.54	19.84	19.02	18.49	17.97	17.44	17.09

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	16.68	16.33	16.04	15.68	15.33	14.92	14.57	14.22	13.87
45.0	17.73	17.21	16.56	16.09	15.51	15.10	14.57	14.05	13.69
90.0	18.20	17.50	16.62	15.98	15.33	14.63	14.22	13.69	13.34
135.0	19.49	18.67	17.97	17.26	16.44	15.74	15.04	14.51	14.10
180.0	19.08	18.43	17.85	17.09	16.62	16.04	15.57	15.16	14.86
225.0	16.97	16.33	15.80	15.16	14.75	14.28	13.87	13.58	13.23
270.0	16.39	15.92	15.51	14.92	14.51	14.05	13.75	13.34	13.05
315.0	15.68	15.10	14.69	14.28	13.93	13.52	13.23	12.93	12.64
360.0	16.68	16.33	16.04	15.68	15.33	14.92	14.57	14.22	13.87

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	13.46	13.11	12.82	12.41	12.11	11.82	11.53	11.24	10.83
45.0	13.34	12.93	12.47	12.17	11.88	11.59	11.24	10.94	10.65
90.0	12.99	12.58	12.29	11.94	11.70	11.35	11.12	10.83	10.59
135.0	13.64	13.34	13.05	12.64	12.35	12.06	11.76	11.41	11.18
180.0	14.51	14.22	13.75	13.46	13.11	12.76	12.41	12.06	11.70
225.0	12.93	12.52	12.29	11.94	11.65	11.29	11.00	10.77	10.42
270.0	12.76	12.47	12.11	11.82	11.47	11.18	10.89	10.53	10.24
315.0	12.29	11.94	11.59	11.24	10.94	10.65	10.30	10.07	9.77
360.0	13.46	13.11	12.82	12.41	12.11	11.82	11.53	11.24	10.83

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	10.59	10.36	10.12	9.77	9.54	9.13	8.84	8.25	8.13
45.0	10.36	10.12	9.83	9.54	9.31	9.01	8.84	8.54	8.25
90.0	10.24	10.01	9.71	9.42	9.19	8.90	8.66	8.49	8.19
135.0	10.89	10.53	10.24	9.89	9.60	9.36	9.13	8.84	8.60
180.0	11.47	11.06	10.77	10.42	10.12	9.83	9.66	9.25	8.90
225.0	10.18	9.89	9.60	9.36	9.13	8.90	8.66	8.43	8.19
270.0	9.95	9.71	9.48	9.25	8.95	8.72	8.49	8.31	8.08
315.0	9.54	9.36	9.13	8.95	8.72	8.54	8.31	8.08	8.02
360.0	10.59	10.36	10.12	9.77	9.54	9.13	8.84	8.25	8.13

Intensity data(cd)

C/γ(°)	90.0
0.0	8.13
45.0	8.02
90.0	8.08
135.0	8.37
180.0	8.54
225.0	8.02
270.0	8.02
315.0	8.02
360.0	8.13