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NT

Client:
LumCAT: 3-2806-L
Luminaire: 92.70.411.00
Report No: 2024327-B019
Ballast type: AC

Test No: 2024327-C019	Voltage(V): 34.220
LampCAT: LUMILEDS LUXEON 1208	Current(A): 0.576
Lamp flux(lm): 2888.0	Power (W): 19.710
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 2399.15, Efficiency(%): 83.07% , Luminous Efficacy(lm/W): 121.72
Central intensity(cd): 8422.471, Maximum intensity(cd): 8422.471
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=23.4
[C90/270]Total=23.4
Field angle(10%Imax): [C0/180]Total=58.6
[C90/270]Total=58.6
Maximum s/h(1/2): C0_180=0.39 C90_270=0.39
Maximum s/h(1/4): C0_180=0.46 C90_270=0.46
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 83.07%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 97.820%

Equipment: GMS1980	Date: 2024/3/27	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	8422.470	0.000	0	0.00%	0.00%
1.0	8372.068	8.036	8.036	0.28%	0.33%
2.0	8247.415	23.854	31.89	0.83%	1.33%
3.0	8011.130	38.885	70.775	1.35%	2.95%
4.0	7694.304	52.571	123.346	1.82%	5.14%
5.0	7273.089	64.389	187.735	2.23%	7.83%
6.0	6800.958	73.963	261.698	2.56%	10.91%
7.0	6318.367	81.431	343.129	2.82%	14.30%
8.0	5837.751	86.999	430.128	3.01%	17.93%
9.0	5354.502	90.707	520.835	3.14%	21.71%
10.0	4895.612	92.760	613.595	3.21%	25.58%
11.0	4482.589	93.708	707.303	3.24%	29.48%
12.0	4105.266	93.878	801.18	3.25%	33.39%
13.0	3743.670	93.147	894.327	3.23%	37.28%
14.0	3416.383	91.648	985.975	3.17%	41.10%
15.0	3132.914	89.912	1075.887	3.11%	44.84%
16.0	2876.220	88.051	1163.938	3.05%	48.51%
17.0	2610.308	85.440	1249.378	2.96%	52.08%
18.0	2409.137	82.760	1332.137	2.87%	55.53%
19.0	2219.671	80.532	1412.669	2.79%	58.88%
20.0	2045.054	78.056	1490.725	2.70%	62.14%
21.0	1884.264	75.451	1566.176	2.61%	65.28%
22.0	1726.911	72.568	1638.744	2.51%	68.31%
23.0	1556.830	68.902	1707.646	2.39%	71.18%
24.0	1323.720	62.979	1770.625	2.18%	73.80%
25.0	1244.861	58.404	1829.029	2.02%	76.24%
26.0	1140.728	56.312	1885.341	1.95%	78.58%
27.0	1037.911	53.301	1938.642	1.85%	80.81%
28.0	957.223	50.513	1989.155	1.75%	82.91%
29.0	867.633	47.743	2036.898	1.65%	84.90%
30.0	771.853	44.266	2081.164	1.53%	86.75%
31.0	668.590	40.085	2121.249	1.39%	88.42%
32.0	568.758	35.449	2156.698	1.23%	89.89%
33.0	461.450	30.350	2187.048	1.05%	91.16%
34.0	359.935	24.858	2211.906	0.86%	92.20%
35.0	279.642	19.863	2231.769	0.69%	93.02%
36.0	232.100	16.294	2248.063	0.56%	93.70%
37.0	152.488	12.543	2260.606	0.43%	94.23%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	97.908	8.358	2268.964	0.29%	94.57%
39.0	85.092	6.246	2275.21	0.22%	94.83%
40.0	77.213	5.661	2280.871	0.20%	95.07%
41.0	70.527	5.261	2286.132	0.18%	95.29%
42.0	64.602	4.909	2291.041	0.17%	95.49%
43.0	59.510	4.597	2295.639	0.16%	95.69%
44.0	54.784	4.314	2299.952	0.15%	95.87%
45.0	50.424	4.043	2303.996	0.14%	96.03%
46.0	46.547	3.792	2307.788	0.13%	96.19%
47.0	43.292	3.573	2311.361	0.12%	96.34%
48.0	40.278	3.378	2314.74	0.12%	96.48%
49.0	37.776	3.205	2317.945	0.11%	96.62%
50.0	35.450	3.053	2320.998	0.11%	96.74%
51.0	33.387	2.912	2323.91	0.10%	96.86%
52.0	31.807	2.798	2326.708	0.10%	96.98%
53.0	30.293	2.701	2329.409	0.09%	97.09%
54.0	29.144	2.620	2332.029	0.09%	97.20%
55.0	28.091	2.555	2334.584	0.09%	97.31%
56.0	27.235	2.500	2337.084	0.09%	97.41%
57.0	26.694	2.466	2339.55	0.09%	97.52%
58.0	26.240	2.448	2341.997	0.08%	97.62%
59.0	25.735	2.430	2344.427	0.08%	97.72%
60.0	25.267	2.410	2346.837	0.08%	97.82%
61.0	24.733	2.386	2349.223	0.08%	97.92%
62.0	23.731	2.335	2351.558	0.08%	98.02%
63.0	22.699	2.258	2353.816	0.08%	98.11%
64.0	21.726	2.180	2355.996	0.08%	98.20%
65.0	20.629	2.096	2358.092	0.07%	98.29%
66.0	19.803	2.017	2360.11	0.07%	98.37%
67.0	19.078	1.955	2362.065	0.07%	98.45%
68.0	18.500	1.904	2363.968	0.07%	98.53%
69.0	18.076	1.866	2365.834	0.06%	98.61%
70.0	18.047	1.855	2367.69	0.06%	98.69%
71.0	18.288	1.878	2369.568	0.07%	98.77%
72.0	18.391	1.907	2371.475	0.07%	98.85%
73.0	18.449	1.926	2373.401	0.07%	98.93%
74.0	18.376	1.936	2375.337	0.07%	99.01%
75.0	18.025	1.923	2377.26	0.07%	99.09%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	17.586	1.890	2379.151	0.07%	99.17%
77.0	17.257	1.858	2381.008	0.06%	99.24%
78.0	16.898	1.828	2382.837	0.06%	99.32%
79.0	16.335	1.786	2384.622	0.06%	99.39%
80.0	15.596	1.721	2386.344	0.06%	99.47%
81.0	14.799	1.644	2387.988	0.06%	99.53%
82.0	13.109	1.513	2389.501	0.05%	99.60%
83.0	11.961	1.363	2390.864	0.05%	99.65%
84.0	11.470	1.276	2392.14	0.04%	99.71%
85.0	11.141	1.234	2393.374	0.04%	99.76%
86.0	10.797	1.199	2394.574	0.04%	99.81%
87.0	10.527	1.167	2395.741	0.04%	99.86%
88.0	10.388	1.146	2396.886	0.04%	99.91%
89.0	10.307	1.134	2398.021	0.04%	99.95%
90.0	10.278	1.129	2399.149	0.04%	100.00%

Zonal flux distribution table

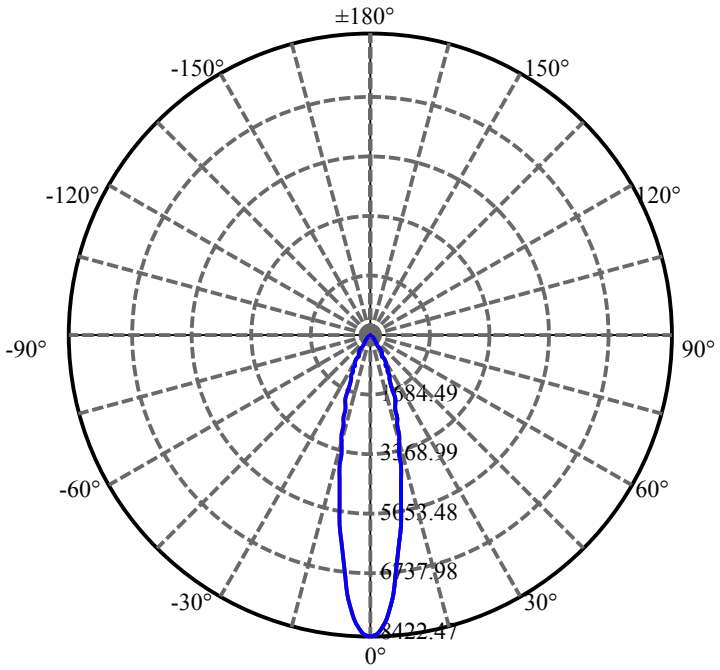
ZONAL LUMEN SUMMARY

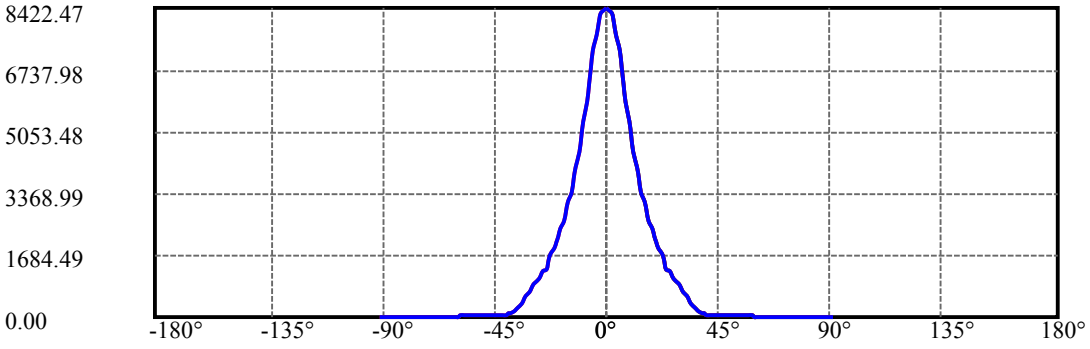
Zone	Lumens	%Lamp	%Fixt
0-30	2081.16	72.06%	86.75%
0-40	2280.87	78.98%	95.07%
0-60	2346.84	81.26%	97.82%
0-90	2398.02	83.03%	99.95%
0-120	2398.02	83.03%	99.95%
0-180	2399.15	83.07%	100.00%
60-90	51.18	1.77%	2.13%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-26.64	1919.32	66.46%	80.00%

ZONAL LUMEN SUMMARY

0-10	613.60
10-20	877.13
20-30	590.44
30-40	199.71
40-50	40.13
50-60	25.84
60-70	20.85
70-80	18.65
80-90	11.68
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):

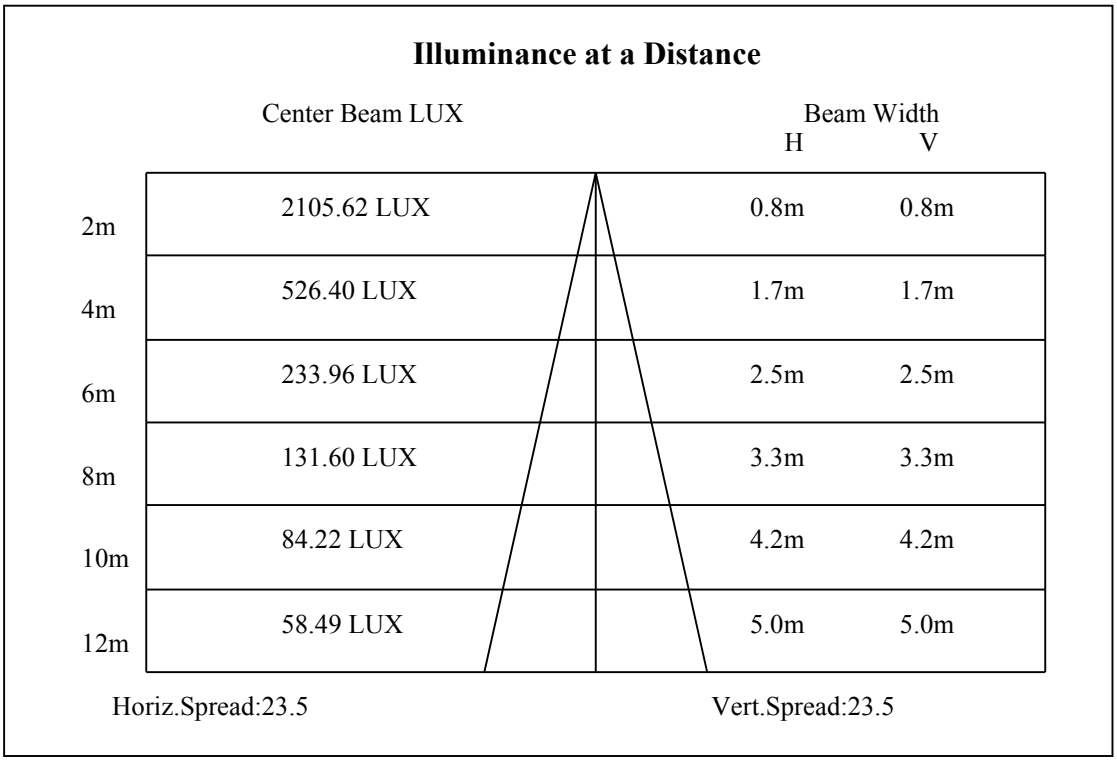
C0/C180:

C90/C270:

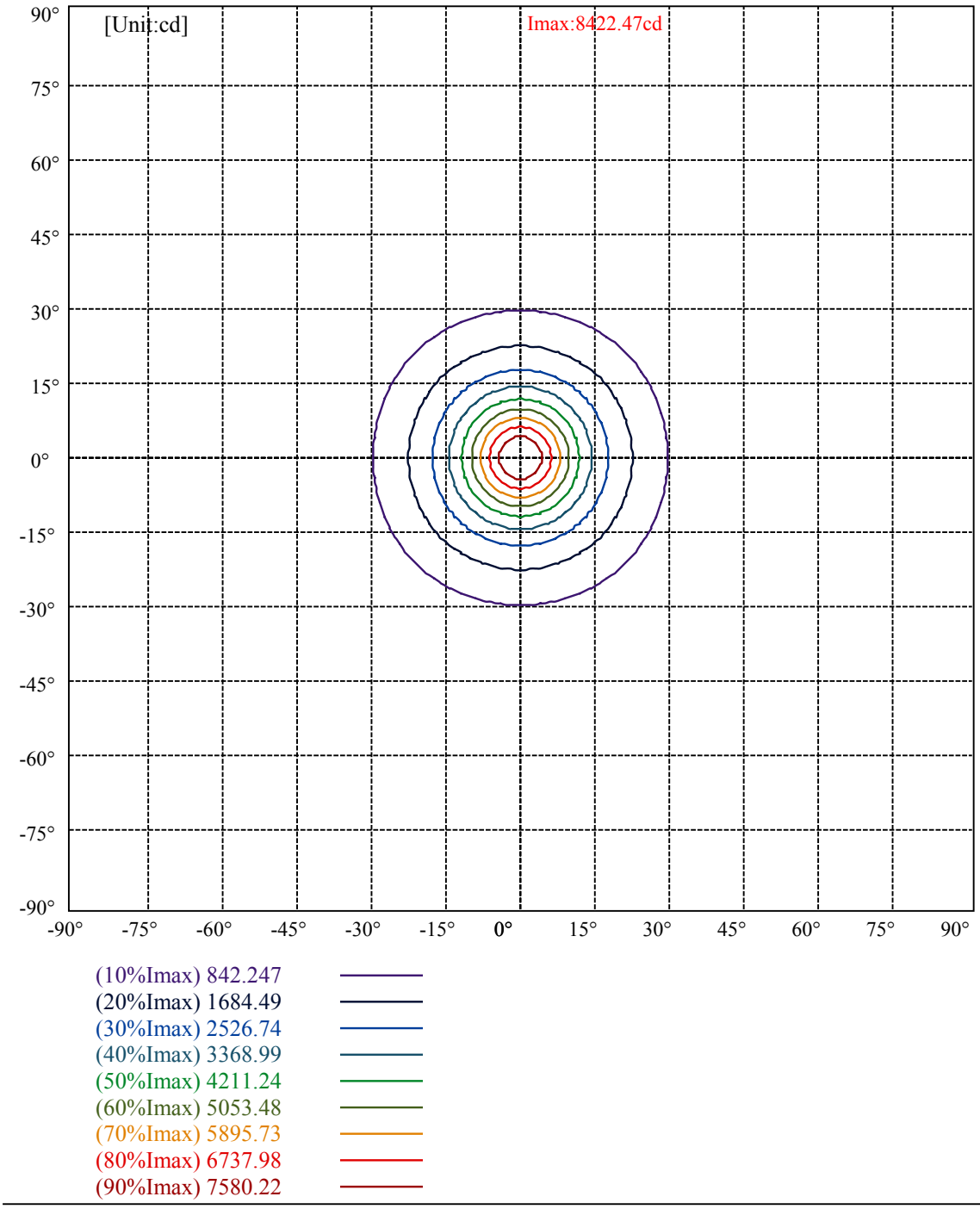
Field angle(10%Imax):C0/180Left:29.3 Right:29.3
:C90/270Left:29.3 Right:29.3

Beam Angle(50%Imax):C0/180Left:11.7 Right:11.7
:C90/270Left:11.7 Right:11.7

Lux distance Curve



ISO-Intensity(V-H)



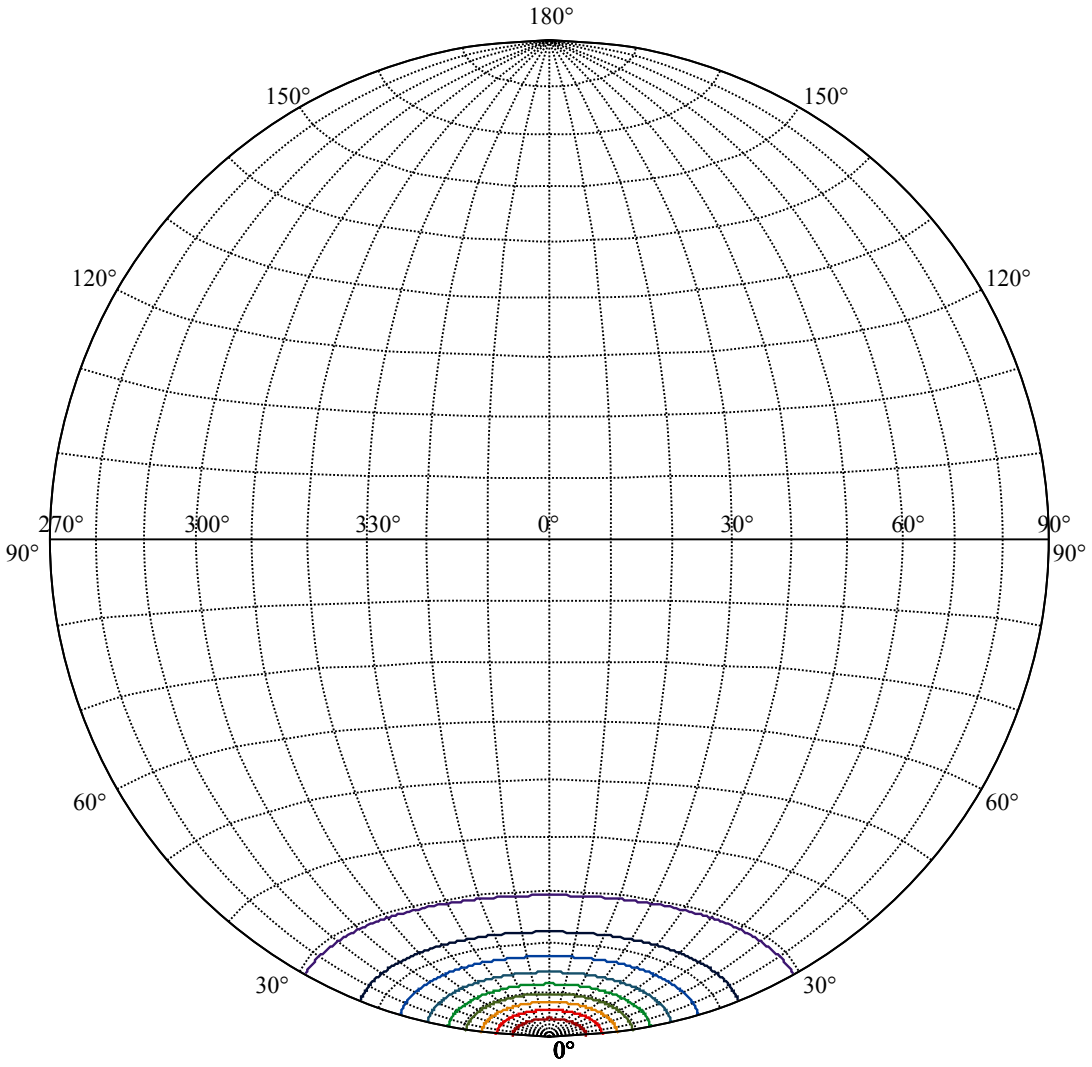
(10%Imax) 842.247
(20%Imax) 1684.49
(30%Imax) 2526.74
(40%Imax) 3368.99
(50%Imax) 4211.24
(60%Imax) 5053.48
(70%Imax) 5895.73
(80%Imax) 6737.98
(90%Imax) 7580.22

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/3/27
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

ISO candela diagram on circular web



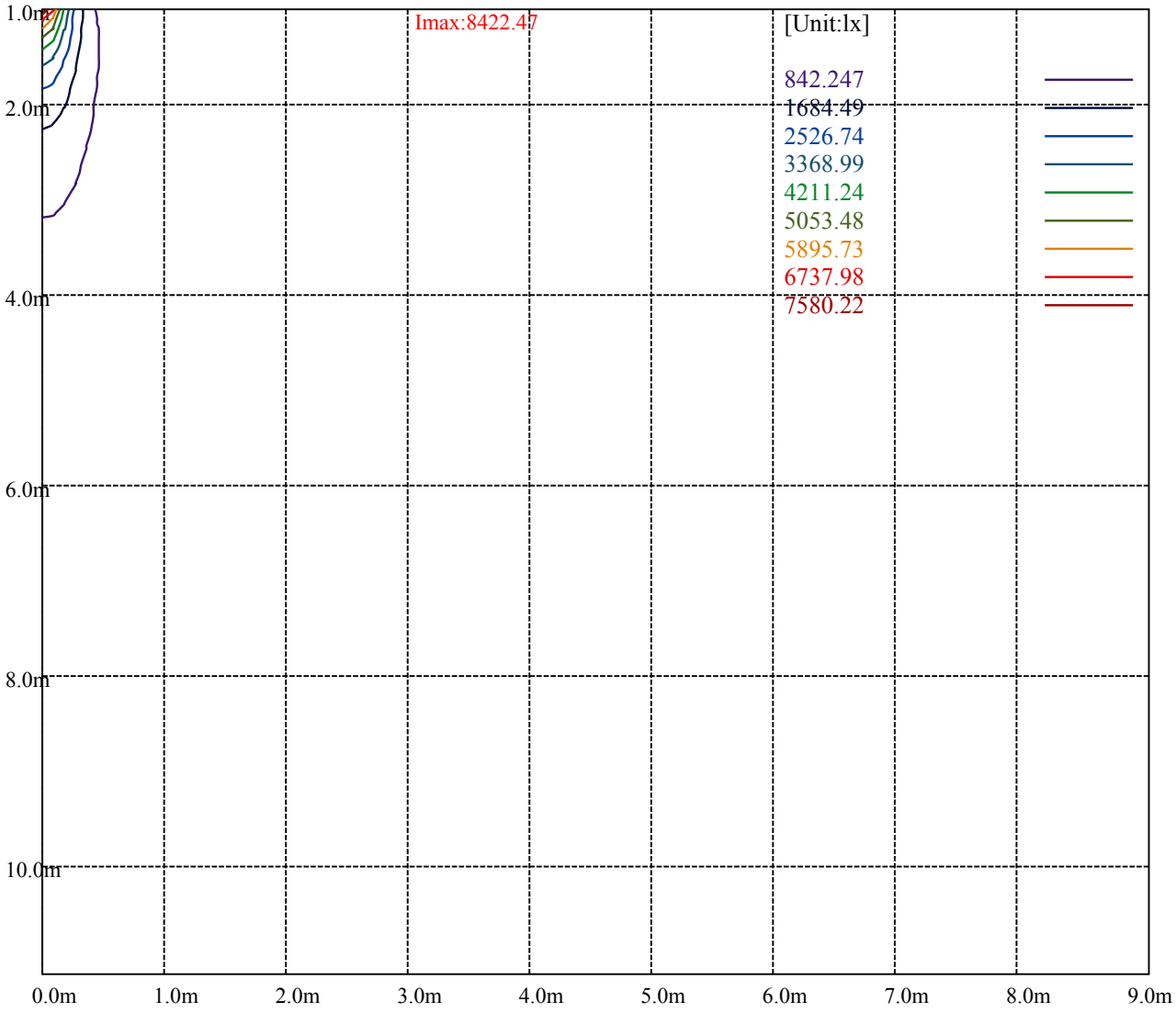
House [Unit:cd] Road

Imax:8422.47

(10%Imax) 842.247
(20%Imax) 1684.49
(30%Imax) 2526.74
(40%Imax) 3368.99
(50%Imax) 4211.24
(60%Imax) 5053.48
(70%Imax) 5895.73
(80%Imax) 6737.98
(90%Imax) 7580.22

Equipment: GMS1980 Date: 2024/3/27 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/3/27
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

NT 3-2806-L

Luminance Limitting Curve(no luminous side)

Luminance Table

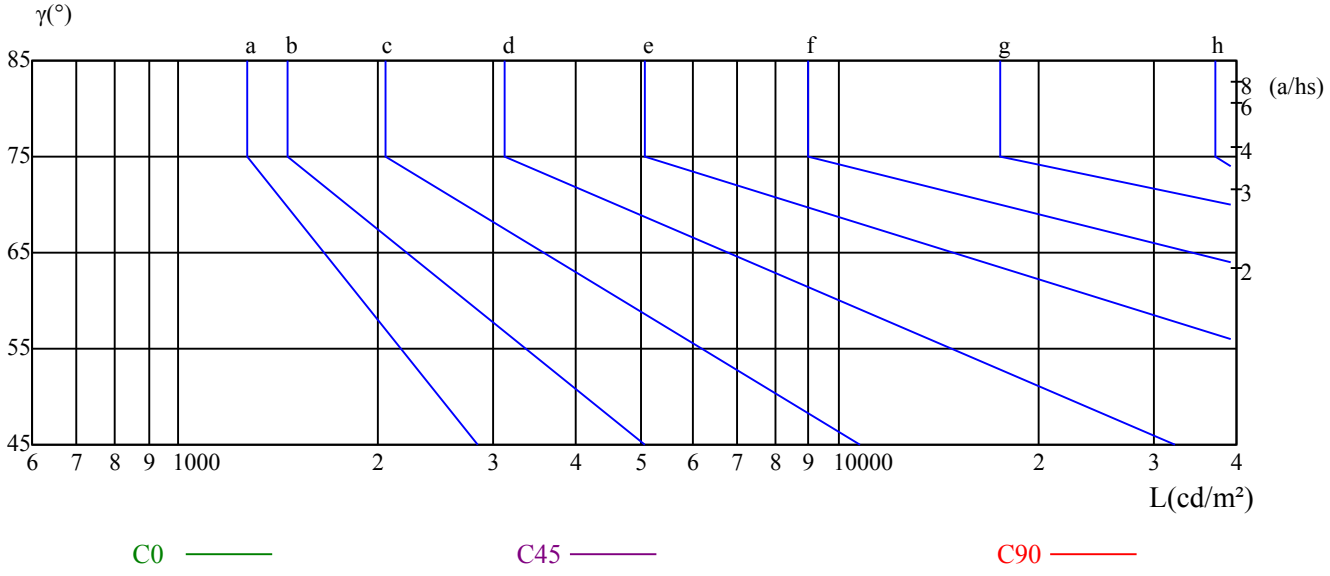
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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



Equipment: GMS1980
Temperature(°C): 25.0

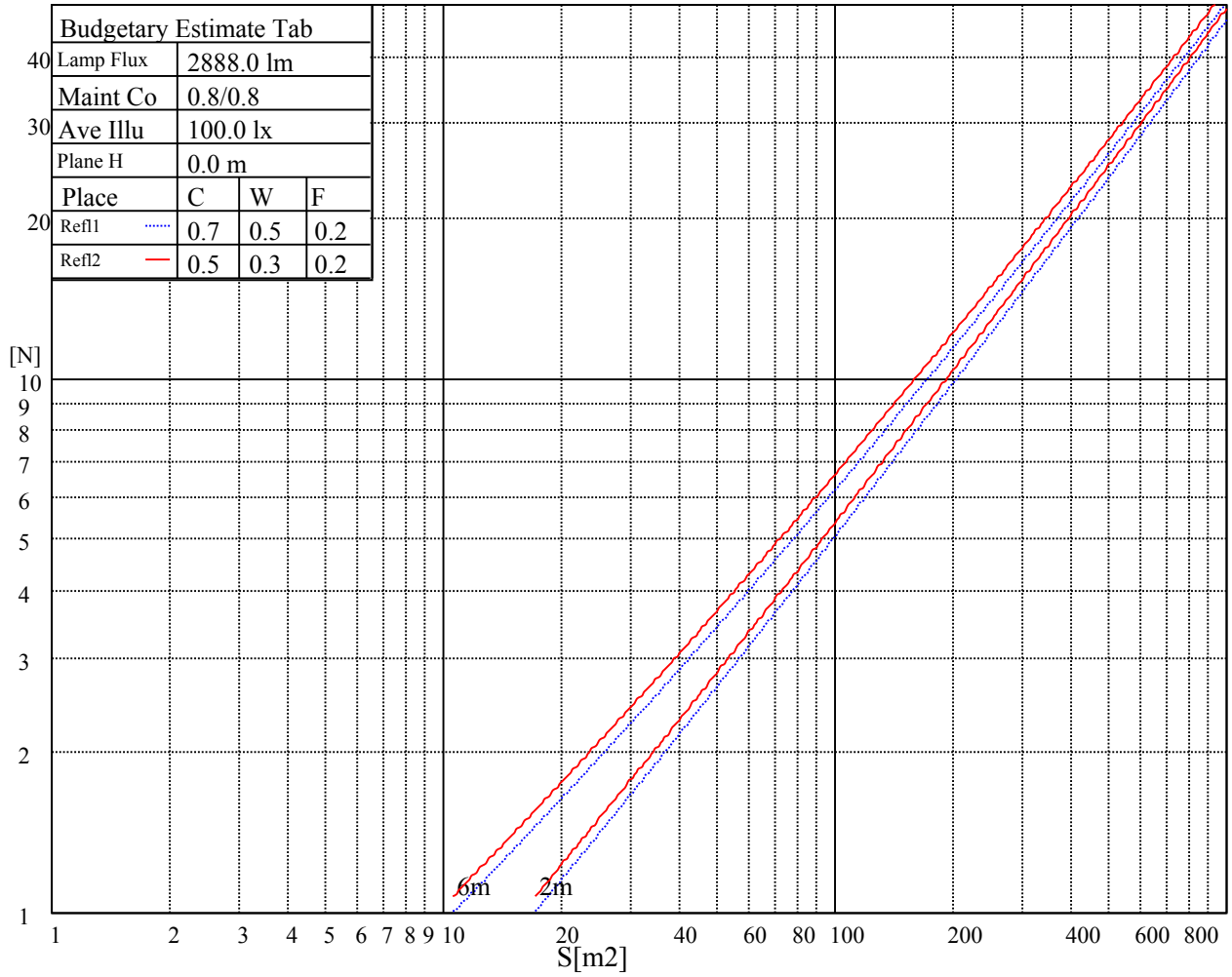
Date: 2024/3/27
Humidity(%): 60.0%

Operator: NT07
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

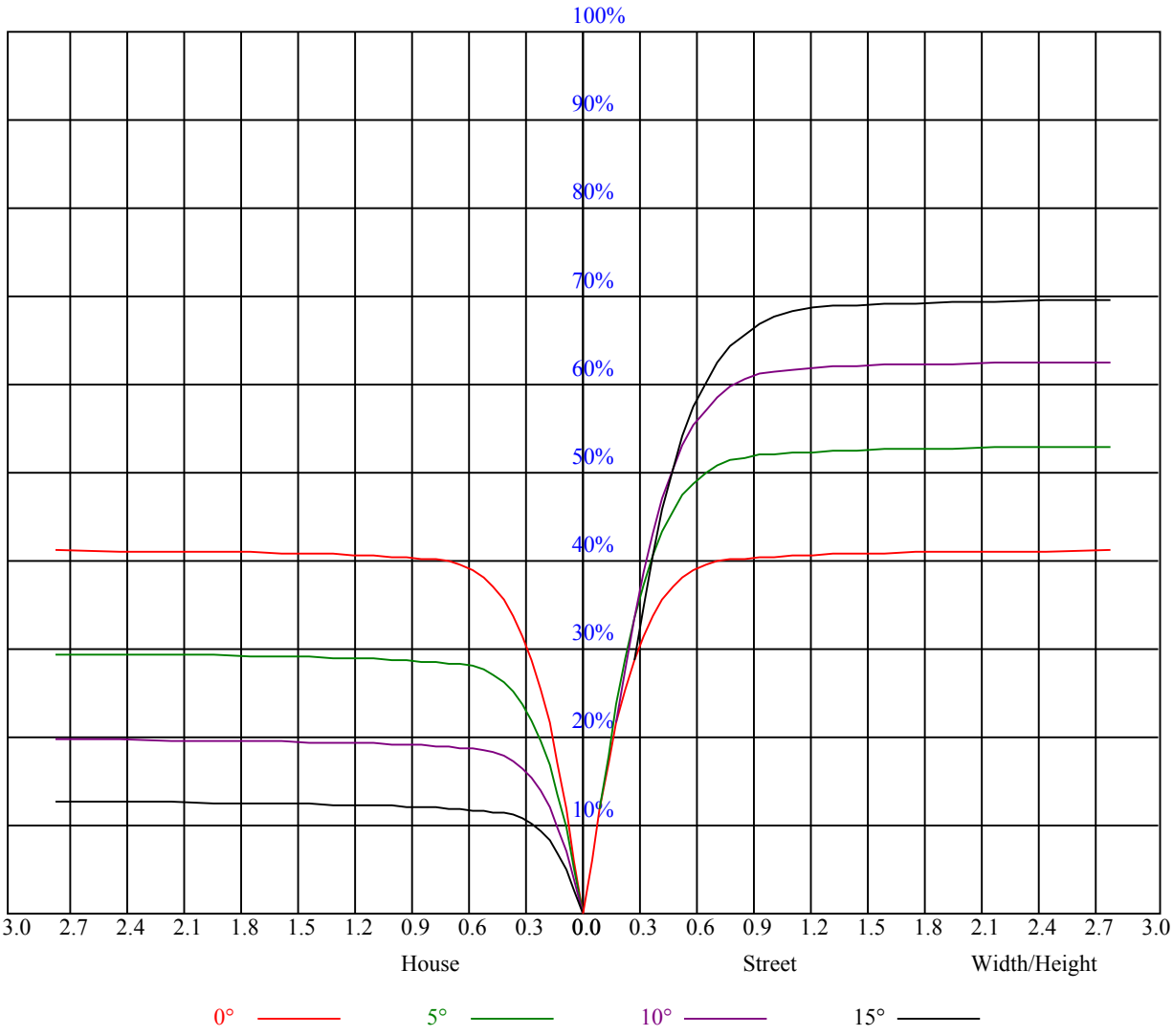


Equipment: GMS1980 Date: 2024/3/27 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

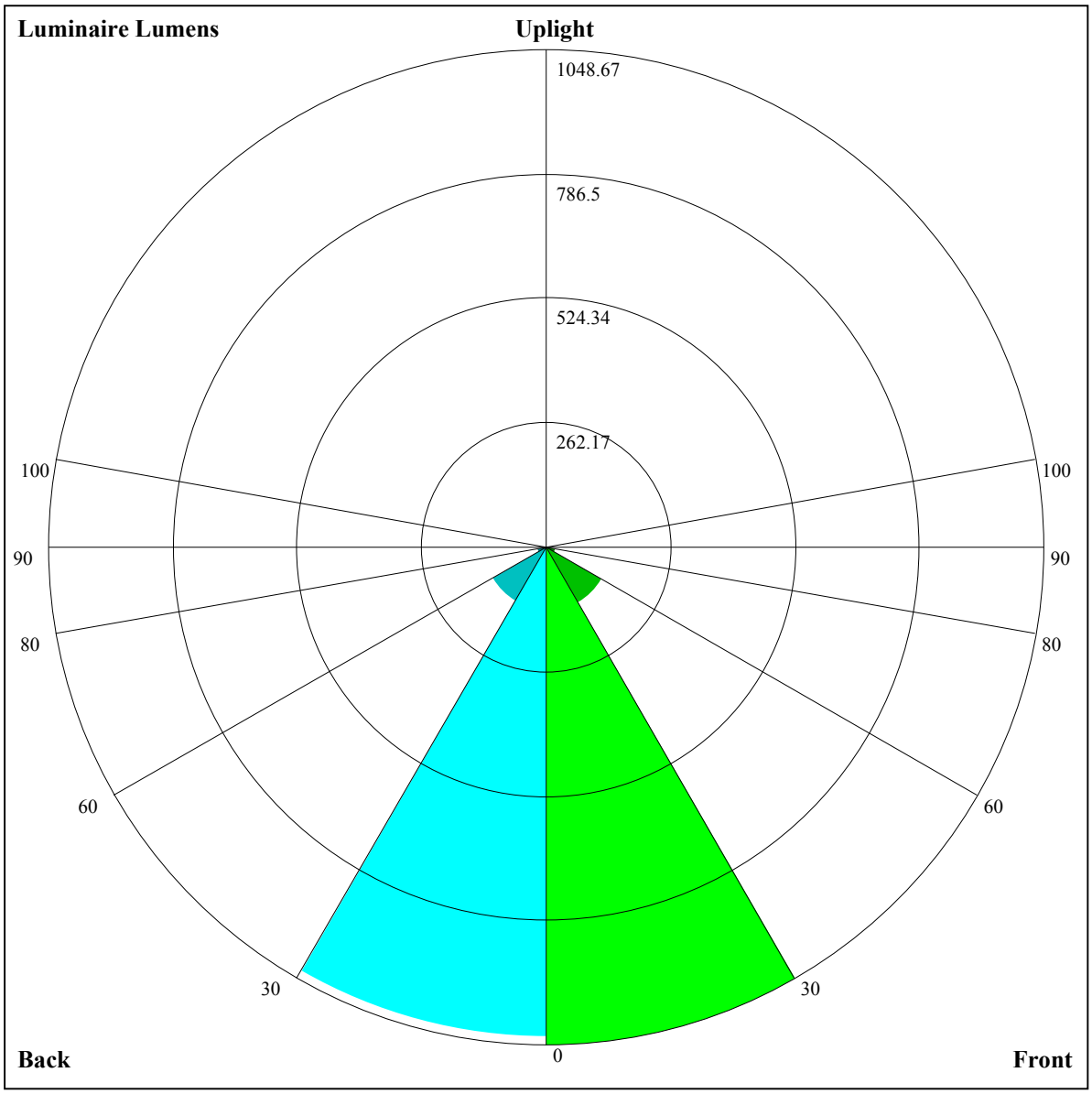
Utilization factor table for indoor luminaire

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	0.99	0.99	0.99	0.97	0.97	0.97	0.92	0.92	0.92	0.88	0.88	0.88	0.85	0.85	0.85	0.83
1	0.93	0.91	0.89	0.91	0.89	0.88	0.88	0.86	0.85	0.84	0.83	0.82	0.82	0.81	0.80	0.79
2	0.87	0.84	0.82	0.86	0.83	0.81	0.83	0.81	0.79	0.81	0.79	0.77	0.79	0.77	0.76	0.75
3	0.83	0.79	0.76	0.82	0.78	0.76	0.79	0.77	0.74	0.77	0.75	0.73	0.76	0.74	0.72	0.71
4	0.79	0.75	0.72	0.78	0.74	0.71	0.76	0.73	0.70	0.74	0.72	0.70	0.73	0.71	0.69	0.68
5	0.75	0.71	0.68	0.74	0.70	0.68	0.73	0.69	0.67	0.71	0.69	0.66	0.70	0.68	0.66	0.65
6	0.72	0.67	0.65	0.71	0.67	0.64	0.70	0.66	0.64	0.69	0.66	0.63	0.68	0.65	0.63	0.62
7	0.69	0.65	0.62	0.68	0.64	0.61	0.67	0.64	0.61	0.66	0.63	0.61	0.65	0.63	0.61	0.60
8	0.66	0.62	0.59	0.65	0.62	0.59	0.65	0.61	0.59	0.64	0.61	0.58	0.63	0.60	0.58	0.57
9	0.63	0.59	0.57	0.63	0.59	0.57	0.62	0.59	0.56	0.62	0.58	0.56	0.61	0.58	0.56	0.55
10	0.61	0.57	0.55	0.61	0.57	0.54	0.60	0.57	0.54	0.60	0.56	0.54	0.59	0.56	0.54	0.53

Coefficient Utilization Curve



Equipment: GMS1980	Date: 2024/3/27	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65



Luminaire Lumens:
FL=1048.67,FM=135.52,FH=19.72,FVH=6.37
BL=1033.21,BM=131.37,BH=18.87,BVH=6.34
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	8452.46	8375.21	8248.80	8030.52	7721.52	7236.95	6812.66	6248.51	5804.91
45.0	8396.87	8452.46	8404.47	8255.24	8030.52	7627.30	7231.68	6794.52	6357.94
90.0	8427.88	8356.49	8213.69	7902.35	7551.80	7139.22	6597.89	6155.46	5710.10
135.0	8412.67	8419.11	8372.29	8173.90	7908.20	7547.12	7025.68	6578.57	6130.88
180.0	8452.46	8405.06	8297.38	8094.89	7730.88	7348.73	6900.45	6434.02	5862.26
225.0	8396.87	8236.52	8025.83	7710.98	7324.73	6764.09	6301.18	5824.22	5372.42
270.0	8427.88	8400.38	8298.55	8058.61	7771.85	7406.08	6989.40	6420.56	5949.46
315.0	8412.67	8331.32	8118.30	7862.56	7514.93	7115.22	6548.73	6091.08	5514.05
360.0	8452.46	8375.21	8248.80	8030.52	7721.52	7236.95	6812.66	6248.51	5804.91

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	5354.87	4835.19	4451.87	4087.86	3678.20	3381.49	3108.77	2860.64	2584.41
45.0	5805.49	5377.69	4951.65	4571.84	4128.24	3791.73	3483.90	3202.99	2881.71
90.0	5277.03	4757.94	4381.64	4032.84	3705.70	3345.20	3081.27	2837.23	2568.61
135.0	5575.50	5141.26	4739.80	4280.39	3936.87	3620.85	3322.97	2988.22	2755.30
180.0	5419.24	4882.59	4486.39	4124.72	3703.95	3404.31	3123.40	2875.27	2593.19
225.0	4837.53	4444.26	4089.03	3684.64	3384.41	3043.81	2808.55	2590.26	2347.98
270.0	5492.98	5057.57	4550.77	4190.27	3851.42	3539.50	3182.51	2932.04	2638.84
315.0	5073.37	4668.40	4209.58	3869.57	3560.57	3204.17	2951.93	2723.11	2512.43
360.0	5354.87	4835.19	4451.87	4087.86	3678.20	3381.49	3108.77	2860.64	2584.41

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2393.63	2216.31	2051.27	1860.49	1717.69	1542.71	1155.47	1155.47	1124.98
45.0	2666.34	2414.11	2238.54	2075.27	1886.24	1740.52	1595.38	1456.10	1278.78
90.0	2380.17	2161.88	2005.04	1848.20	1703.06	1522.81	1140.84	1140.84	1114.03
135.0	2539.94	2352.08	2140.23	1982.22	1829.47	1652.15	1511.11	1333.79	1191.58
180.0	2399.48	2226.25	2055.95	1873.95	1737.01	1584.26	1446.15	1272.34	1140.66
225.0	2174.75	2013.23	1865.17	1724.13	1551.49	1307.45	1145.58	1145.58	1034.97
270.0	2438.11	2259.03	2045.42	1900.87	1758.07	1608.26	1436.79	1296.33	1158.22
315.0	2280.68	2114.48	1958.81	1808.99	1632.25	1496.48	1158.45	1158.45	1082.61
360.0	2393.63	2216.31	2051.27	1860.49	1717.69	1542.71	1155.47	1155.47	1124.98

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1007.58	936.18	854.72	745.40	653.81	559.30	462.09	346.22	261.54
45.0	1143.59	1045.86	951.05	865.61	777.82	684.19	566.56	469.99	371.68
90.0	1006.65	932.09	849.40	763.07	643.75	547.83	450.62	329.36	243.28
135.0	1084.48	1005.48	906.57	818.79	728.66	633.86	516.23	421.42	328.95
180.0	1024.79	960.41	881.41	764.95	669.56	572.99	453.61	358.22	313.74
225.0	968.31	890.83	779.23	682.49	581.48	454.43	360.44	257.26	184.35
270.0	1062.24	976.80	898.96	808.84	690.04	592.31	470.58	375.77	309.64
315.0	1005.65	910.14	819.72	725.68	603.60	505.17	411.47	321.23	223.97
360.0	1007.58	936.18	854.72	745.40	653.81	559.30	462.09	346.22	261.54

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	186.04	126.70	92.17	83.34	76.08	68.94	64.02	58.52	54.60
45.0	302.03	302.03	119.85	89.89	81.64	74.62	67.71	62.85	58.23
90.0	153.86	108.09	90.77	81.99	73.62	67.94	62.62	58.05	52.73
135.0	307.89	211.03	108.73	92.29	82.28	75.90	70.23	63.20	58.64
180.0	313.74	135.13	94.40	84.92	77.31	69.64	63.91	58.93	53.61
225.0	125.36	95.16	83.34	76.08	70.11	64.43	58.11	53.96	49.74
270.0	309.64	127.87	97.62	87.67	79.53	71.75	66.01	60.98	56.71
315.0	158.24	113.88	96.39	84.57	77.13	70.99	64.20	59.58	54.02
360.0	186.04	126.70	92.17	83.34	76.08	68.94	64.02	58.52	54.60

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	50.74	47.34	43.66	40.97	38.62	36.40	34.12	32.60	31.25
45.0	54.07	49.16	45.71	42.60	39.80	36.87	34.70	32.89	31.08
90.0	48.69	45.24	42.19	38.68	36.34	33.77	32.07	30.61	29.14
135.0	53.08	49.04	45.59	42.60	39.33	37.10	35.00	33.24	31.54
180.0	49.45	45.06	42.25	39.50	37.10	34.65	32.83	31.37	29.96
225.0	46.00	42.25	39.56	36.75	34.70	32.83	31.02	29.61	28.44
270.0	51.38	47.64	44.54	41.02	38.51	36.28	33.88	32.19	30.31
315.0	49.98	46.64	42.84	40.09	37.81	35.70	33.47	31.95	30.61
360.0	50.74	47.34	43.66	40.97	38.62	36.40	34.12	32.60	31.25

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	30.08	29.03	28.21	27.62	27.21	26.63	26.04	25.63	24.64
45.0	29.85	28.56	27.74	26.98	26.57	26.16	25.52	25.16	24.87
90.0	28.15	27.27	26.28	26.04	25.52	25.05	24.81	24.11	22.94
135.0	30.20	29.26	28.03	27.27	26.98	26.39	25.87	25.52	24.46
180.0	28.56	27.62	26.80	26.10	25.75	25.34	24.81	24.46	23.41
225.0	27.51	26.39	25.87	25.57	25.05	24.52	24.29	23.35	22.12
270.0	29.26	28.21	27.21	26.63	26.22	25.69	25.11	24.87	23.82
315.0	29.55	28.38	27.74	27.33	26.63	26.10	25.69	24.76	23.58
360.0	30.08	29.03	28.21	27.62	27.21	26.63	26.04	25.63	24.64

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	23.41	22.65	21.65	21.59	22.12	22.12	21.89	22.36	23.64
45.0	23.53	22.65	21.83	20.72	19.61	19.14	18.26	17.97	18.02
90.0	22.18	21.01	19.78	19.02	18.08	17.15	16.39	15.86	15.39
135.0	23.29	22.59	21.54	20.25	19.49	18.73	18.14	18.43	18.90
180.0	22.30	21.36	20.25	19.37	18.49	17.85	17.97	18.67	18.90
225.0	21.42	20.19	19.08	18.38	17.26	16.56	16.21	16.04	16.15
270.0	22.65	21.95	20.54	19.49	18.67	17.73	16.91	16.15	15.74
315.0	22.82	21.42	20.37	19.61	18.90	18.73	18.84	18.90	19.55
360.0	23.41	22.65	21.65	21.59	22.12	22.12	21.89	22.36	23.64

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	24.05	24.46	24.17	23.23	22.24	21.54	20.72	19.72	18.49
45.0	18.02	18.14	18.20	18.14	17.85	17.62	17.32	16.50	15.68
90.0	14.98	14.57	14.28	14.05	13.75	13.40	13.17	12.93	12.58
135.0	18.90	20.01	20.37	20.31	19.96	20.13	20.31	20.19	19.72
180.0	19.37	20.25	19.78	19.61	18.90	18.43	18.14	17.44	16.68
225.0	16.62	16.56	16.74	16.09	15.51	15.10	14.40	13.46	12.93
270.0	15.27	14.86	14.57	14.16	13.87	13.52	13.23	12.99	12.58
315.0	19.90	18.73	18.90	18.61	18.61	18.32	17.91	17.44	16.09
360.0	24.05	24.46	24.17	23.23	22.24	21.54	20.72	19.72	18.49

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	17.44	13.69	12.35	11.59	11.35	11.06	10.65	10.42	10.36
45.0	14.81	13.64	12.70	11.88	11.35	11.06	10.71	10.48	10.36
90.0	12.35	12.00	11.76	11.47	11.12	10.71	10.48	10.36	10.24
135.0	18.32	15.98	12.47	11.65	11.35	10.94	10.59	10.42	10.48
180.0	15.57	13.34	11.70	11.41	11.06	10.65	10.48	10.36	10.18
225.0	12.41	11.94	11.35	11.06	10.71	10.53	10.36	10.30	10.36
270.0	12.35	12.06	11.65	11.35	11.06	10.77	10.53	10.36	10.24
315.0	15.16	12.23	11.70	11.35	11.12	10.65	10.42	10.42	10.24
360.0	17.44	13.69	12.35	11.59	11.35	11.06	10.65	10.42	10.36

Intensity data(cd)

C/γ(°)	90.0
0.0	10.18
45.0	10.18
90.0	10.30
135.0	10.24
180.0	10.30
225.0	10.24
270.0	10.42
315.0	10.36
360.0	10.18