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NT

Client:
LumCAT: 2-2678-L
Luminaire: 92.70.412.00
Report No: 2024322-B003
Ballast type: AC

Test No: 2024322-C003	Voltage(V): 34.720
LampCAT: Fortimo_SLM_C_1208	Current(A): 0.577
Lamp flux(lm): 3486.0	Power (W): 20.033
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 2953.90, Efficiency(%): 84.74% , Luminous Efficacy(lm/W): 147.45
Central intensity(cd): 12438.080, Maximum intensity(cd): 12438.080
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=20.8
[C90/270]Total=20.8
Field angle(10%Imax): [C0/180]Total=53.0
[C90/270]Total=53.0
Maximum s/h(1/2): C0_180=0.35 C90_270=0.35
Maximum s/h(1/4): C0_180=0.38 C90_270=0.38
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 84.74%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 98.024%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	12438.080	0.000	0	0.00%	0.00%
1.0	12306.923	11.840	11.84	0.34%	0.40%
2.0	12038.832	34.943	46.783	1.00%	1.58%
3.0	11762.320	56.925	103.708	1.63%	3.51%
4.0	11377.754	77.457	181.165	2.22%	6.13%
5.0	10755.002	95.214	276.379	2.73%	9.36%
6.0	10048.855	109.330	385.709	3.14%	13.06%
7.0	9218.713	119.593	505.302	3.43%	17.11%
8.0	8336.706	125.641	630.943	3.60%	21.36%
9.0	7422.218	127.718	758.661	3.66%	25.68%
10.0	6549.867	126.442	885.103	3.63%	29.96%
11.0	5809.777	123.498	1008.601	3.54%	34.14%
12.0	5083.074	119.074	1127.676	3.42%	38.18%
13.0	4470.563	113.378	1241.053	3.25%	42.01%
14.0	3942.471	107.686	1348.739	3.09%	45.66%
15.0	3502.601	102.209	1450.949	2.93%	49.12%
16.0	3122.936	97.083	1548.031	2.78%	52.41%
17.0	2882.409	93.519	1641.551	2.68%	55.57%
18.0	2675.246	91.634	1733.184	2.63%	58.67%
19.0	2358.581	87.578	1820.763	2.51%	61.64%
20.0	2111.843	81.821	1902.584	2.35%	64.41%
21.0	1942.055	77.843	1980.427	2.23%	67.04%
22.0	1787.409	74.945	2055.372	2.15%	69.58%
23.0	1658.367	72.302	2127.674	2.07%	72.03%
24.0	1540.517	69.939	2197.613	2.01%	74.40%
25.0	1415.908	67.223	2264.835	1.93%	76.67%
26.0	1279.463	63.625	2328.46	1.83%	78.83%
27.0	1204.481	60.770	2389.23	1.74%	80.88%
28.0	1120.933	58.875	2448.105	1.69%	82.88%
29.0	1017.231	55.940	2504.045	1.60%	84.77%
30.0	906.755	51.947	2555.992	1.49%	86.53%
31.0	798.693	47.460	2603.452	1.36%	88.14%
32.0	694.326	42.773	2646.226	1.23%	89.58%
33.0	585.342	37.699	2683.925	1.08%	90.86%
34.0	490.082	32.546	2716.471	0.93%	91.96%
35.0	399.153	27.616	2744.087	0.79%	92.90%
36.0	326.321	23.099	2767.186	0.66%	93.68%
37.0	275.524	19.629	2786.815	0.56%	94.34%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	215.048	16.375	2803.19	0.47%	94.90%
39.0	157.586	12.719	2815.909	0.36%	95.33%
40.0	115.238	9.515	2825.424	0.27%	95.65%
41.0	88.457	7.253	2832.677	0.21%	95.90%
42.0	71.646	5.817	2838.494	0.17%	96.09%
43.0	59.671	4.864	2843.359	0.14%	96.26%
44.0	51.236	4.186	2847.545	0.12%	96.40%
45.0	45.370	3.713	2851.257	0.11%	96.53%
46.0	41.522	3.398	2854.655	0.10%	96.64%
47.0	38.676	3.190	2857.845	0.09%	96.75%
48.0	36.489	3.039	2860.884	0.09%	96.85%
49.0	34.894	2.931	2863.815	0.08%	96.95%
50.0	33.731	2.861	2866.676	0.08%	97.05%
51.0	32.904	2.819	2869.495	0.08%	97.14%
52.0	32.341	2.800	2872.295	0.08%	97.24%
53.0	32.100	2.803	2875.098	0.08%	97.33%
54.0	31.961	2.824	2877.922	0.08%	97.43%
55.0	32.012	2.856	2880.777	0.08%	97.52%
56.0	32.085	2.896	2883.674	0.08%	97.62%
57.0	32.173	2.938	2886.612	0.08%	97.72%
58.0	32.085	2.972	2889.583	0.09%	97.82%
59.0	31.785	2.986	2892.569	0.09%	97.92%
60.0	31.178	2.975	2895.544	0.09%	98.02%
61.0	30.300	2.934	2898.478	0.08%	98.12%
62.0	29.122	2.863	2901.341	0.08%	98.22%
63.0	27.630	2.760	2904.101	0.08%	98.31%
64.0	25.933	2.628	2906.73	0.08%	98.40%
65.0	24.272	2.485	2909.214	0.07%	98.49%
66.0	22.692	2.343	2911.557	0.07%	98.57%
67.0	21.529	2.224	2913.781	0.06%	98.64%
68.0	20.651	2.137	2915.918	0.06%	98.71%
69.0	20.132	2.081	2917.998	0.06%	98.78%
70.0	19.656	2.043	2920.042	0.06%	98.85%
71.0	19.334	2.015	2922.057	0.06%	98.92%
72.0	19.078	1.997	2924.054	0.06%	98.99%
73.0	18.793	1.980	2926.035	0.06%	99.06%
74.0	18.493	1.960	2927.995	0.06%	99.12%
75.0	18.164	1.937	2929.932	0.06%	99.19%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	17.798	1.909	2931.841	0.05%	99.25%
77.0	17.323	1.872	2933.713	0.05%	99.32%
78.0	16.840	1.829	2935.542	0.05%	99.38%
79.0	16.306	1.781	2937.323	0.05%	99.44%
80.0	15.684	1.725	2939.047	0.05%	99.50%
81.0	15.048	1.662	2940.709	0.05%	99.55%
82.0	14.557	1.605	2942.315	0.05%	99.61%
83.0	14.177	1.562	2943.877	0.04%	99.66%
84.0	13.848	1.527	2945.404	0.04%	99.71%
85.0	13.497	1.492	2946.896	0.04%	99.76%
86.0	13.124	1.455	2948.351	0.04%	99.81%
87.0	12.846	1.421	2949.772	0.04%	99.86%
88.0	12.612	1.395	2951.167	0.04%	99.91%
89.0	12.436	1.373	2952.54	0.04%	99.95%
90.0	12.356	1.359	2953.899	0.04%	100.00%

Zonal flux distribution table

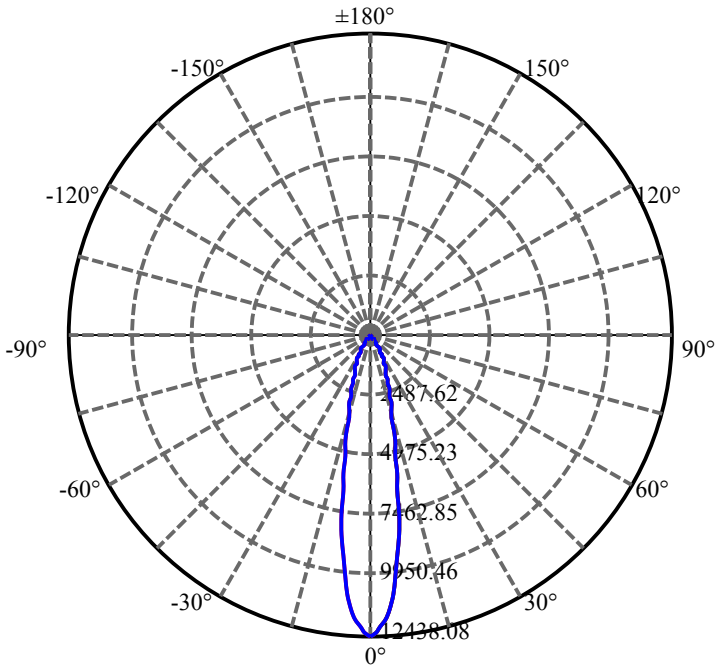
ZONAL LUMEN SUMMARY

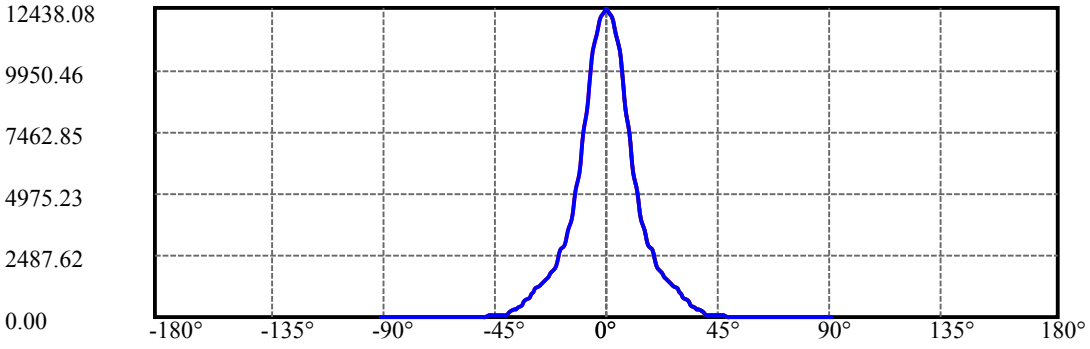
Zone	Lumens	%Lamp	%Fixt
0-30	2555.99	73.32%	86.53%
0-40	2825.42	81.05%	95.65%
0-60	2895.54	83.06%	98.02%
0-90	2952.54	84.70%	99.95%
0-120	2952.54	84.70%	99.95%
0-180	2953.90	84.74%	100.00%
60-90	57.00	1.63%	1.93%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-26.57	2363.12	67.79%	80.00%

ZONAL LUMEN SUMMARY

0-10	885.10
10-20	1017.48
20-30	653.41
30-40	269.43
40-50	41.25
50-60	28.87
60-70	24.50
70-80	19.01
80-90	13.49
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):

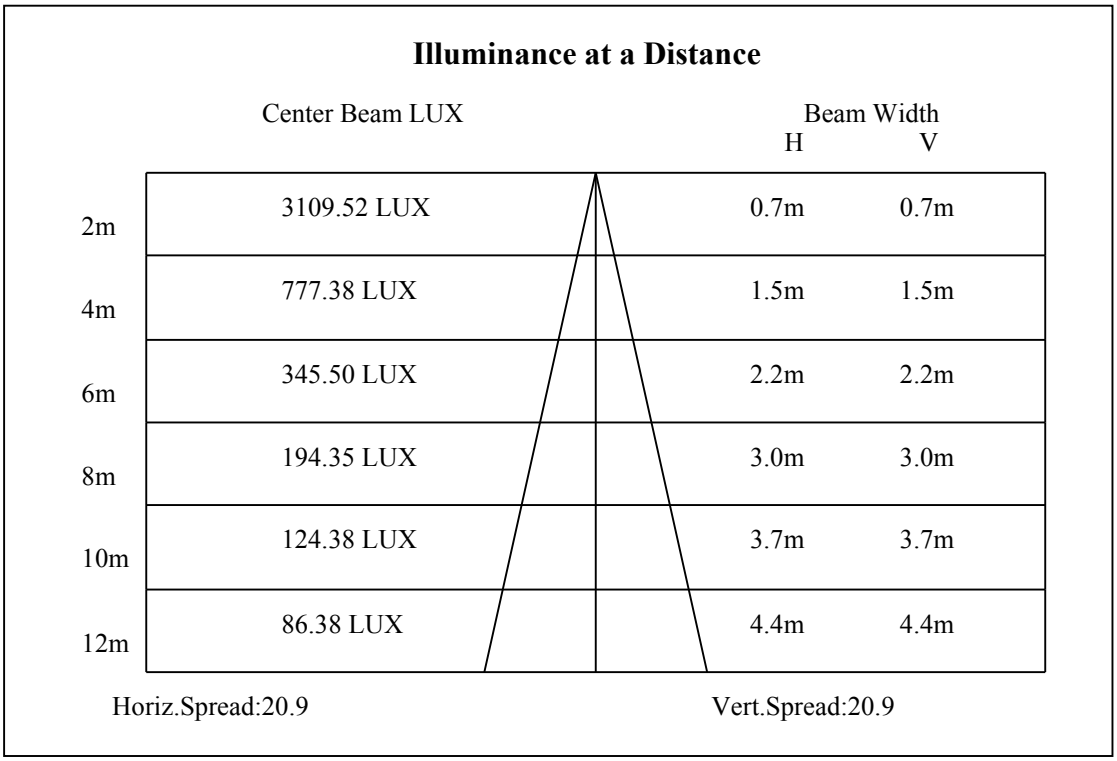
C0/C180:

C90/C270:

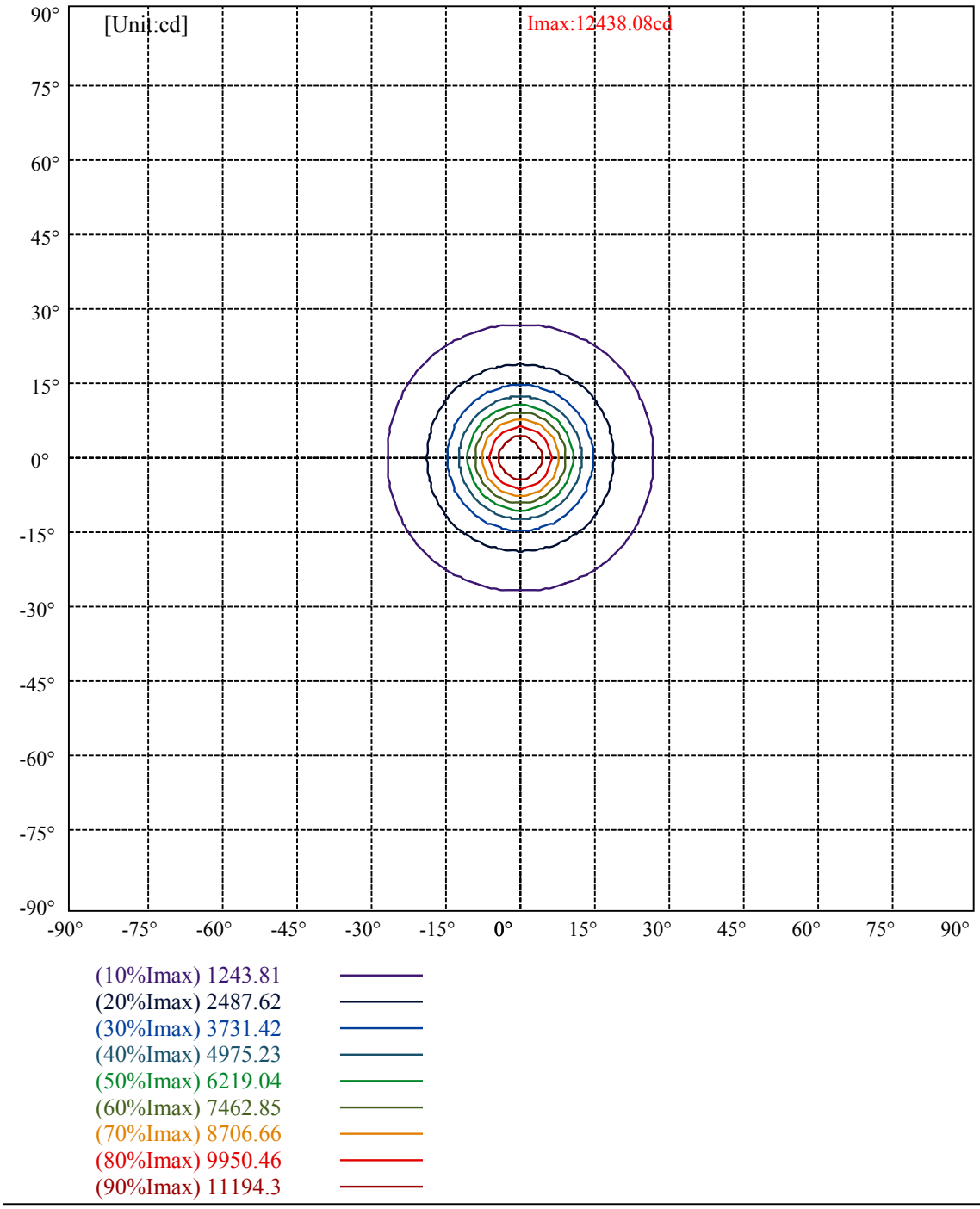
Field angle(10%Imax):C0/180Left:26.5 Right:26.5
:C90/270Left:26.5 Right:26.5

Beam Angle(50%Imax):C0/180Left:10.4 Right:10.4
:C90/270Left:10.4 Right:10.4

Lux distance Curve



ISO-Intensity(V-H)



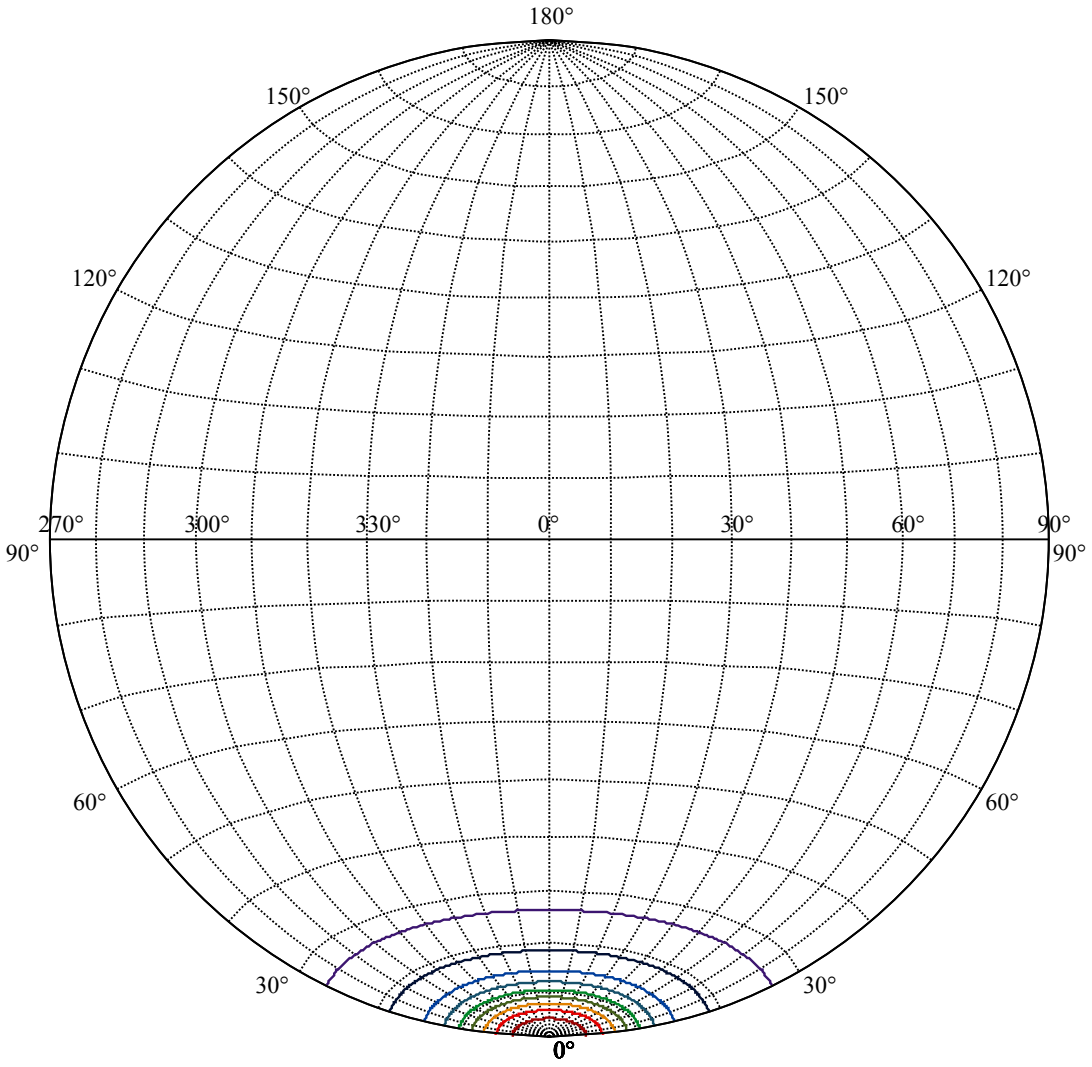
(10%Imax) 1243.81
(20%Imax) 2487.62
(30%Imax) 3731.42
(40%Imax) 4975.23
(50%Imax) 6219.04
(60%Imax) 7462.85
(70%Imax) 8706.66
(80%Imax) 9950.46
(90%Imax) 11194.3

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/3/22
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

ISO candela diagram on circular web



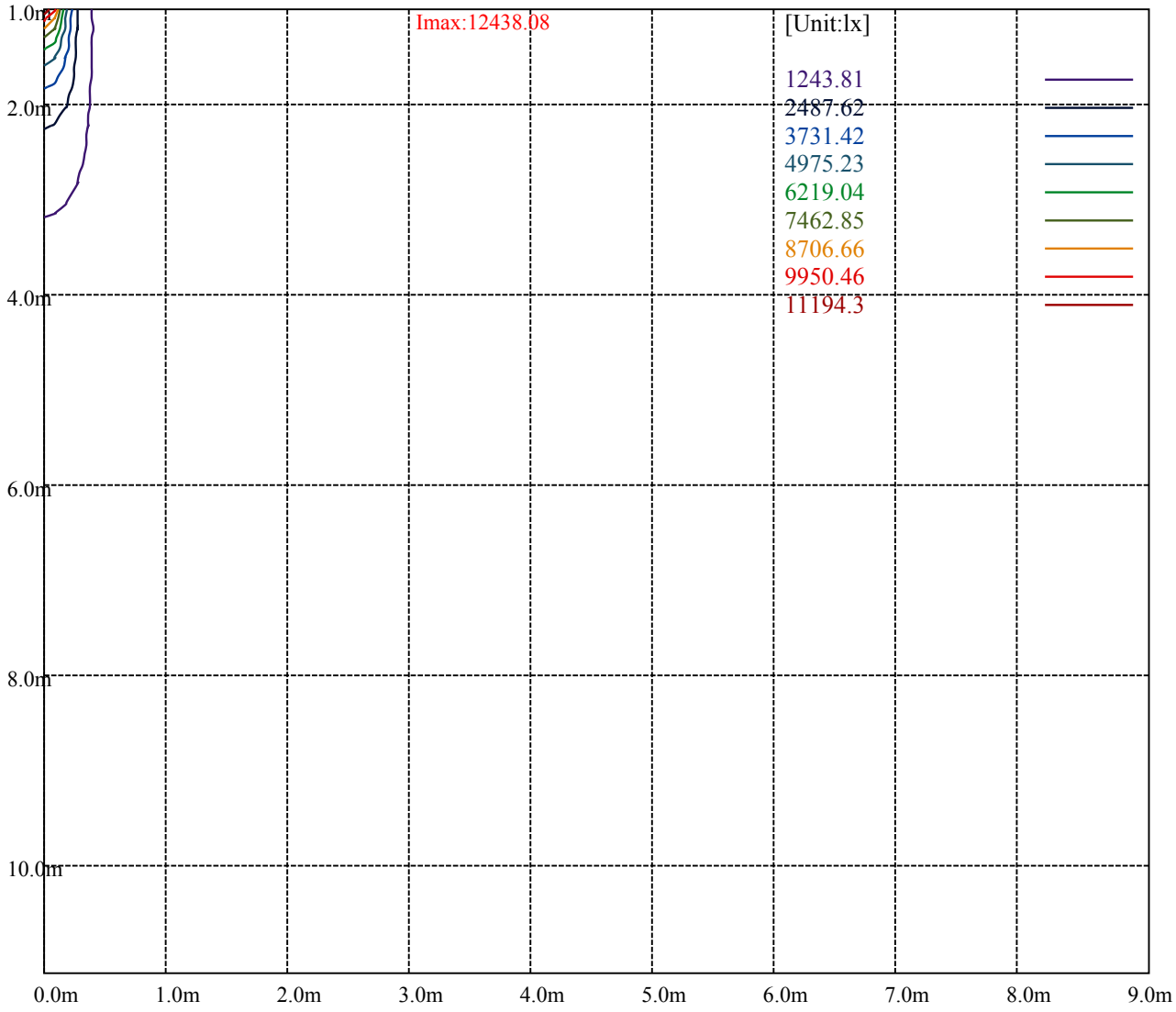
[Unit:cd]

Imax:12438.08

(10%Imax) 1243.81
(20%Imax) 2487.62
(30%Imax) 3731.42
(40%Imax) 4975.23
(50%Imax) 6219.04
(60%Imax) 7462.85
(70%Imax) 8706.66
(80%Imax) 9950.46
(90%Imax) 11194.3

Equipment: GMS1980	Date: 2024/3/22	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/3/22
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

NT 2-2678-L

Luminance Limitting Curve(no luminous side)

Luminance Table

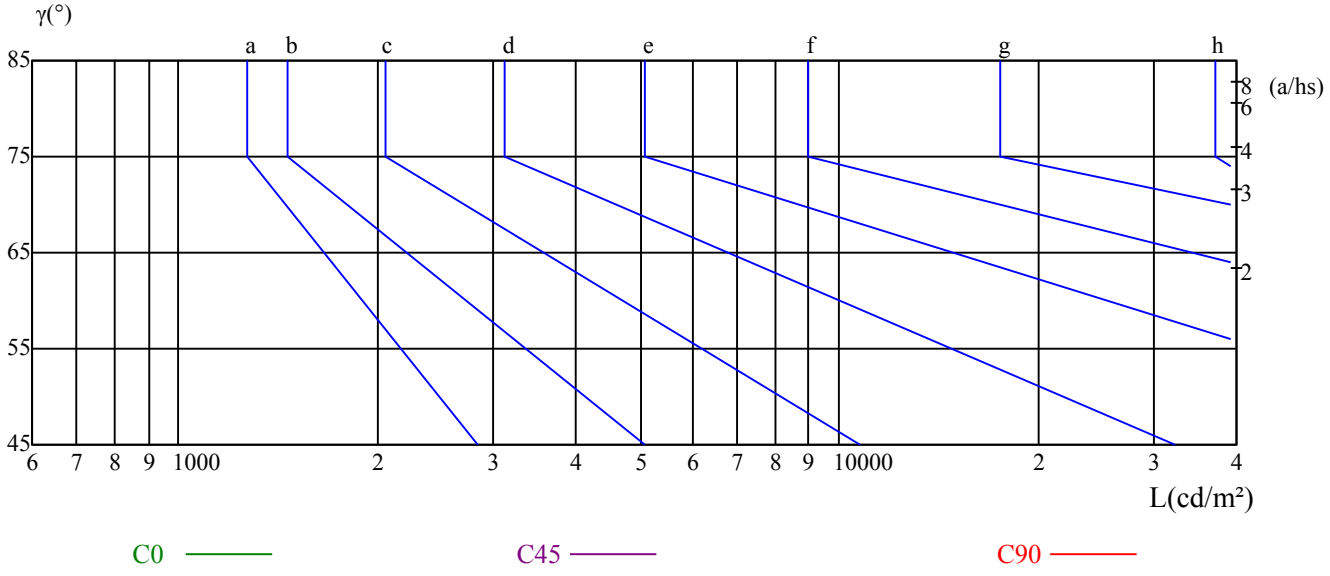
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

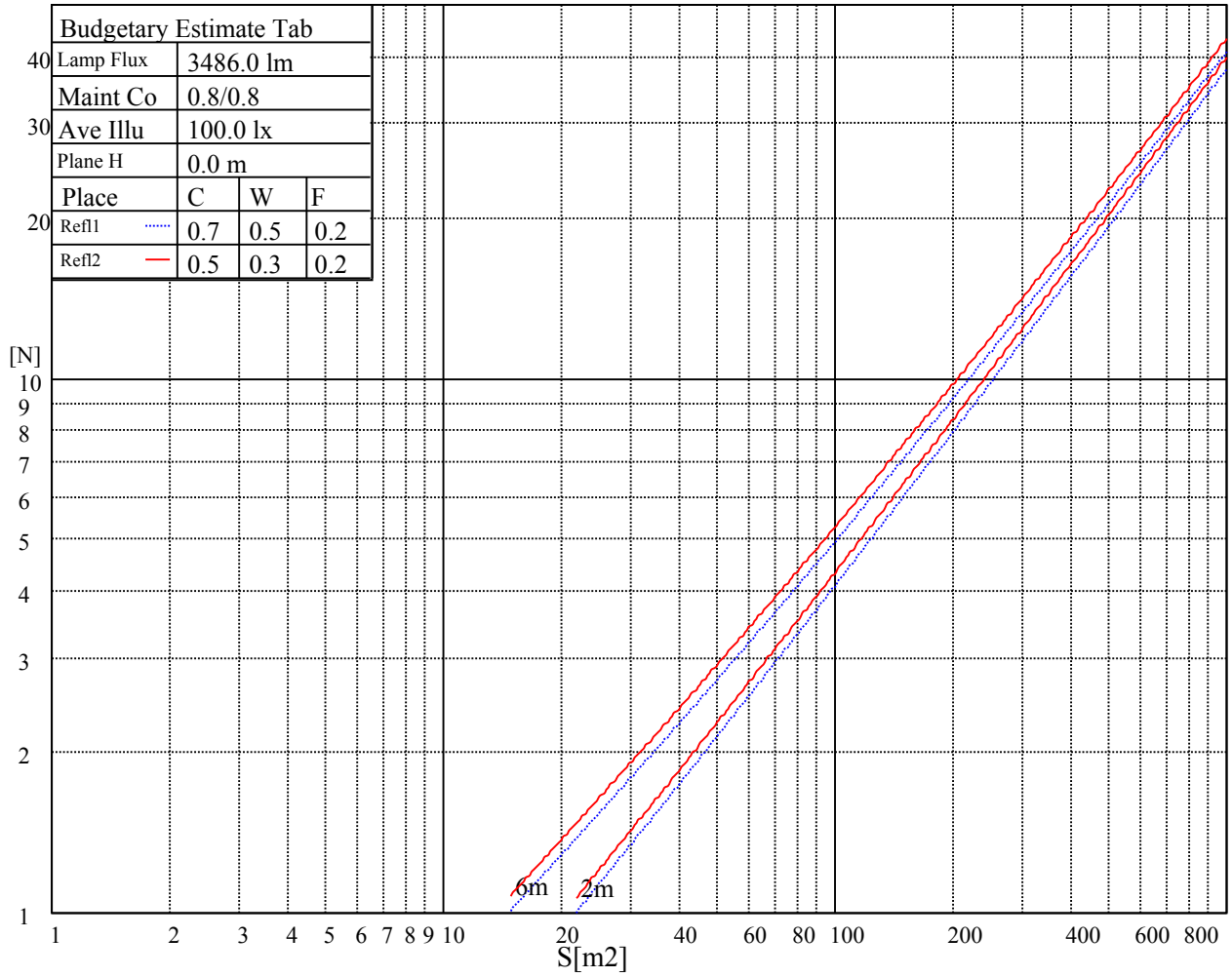
Date: 2024/3/22
Humidity(%): 60.0%

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

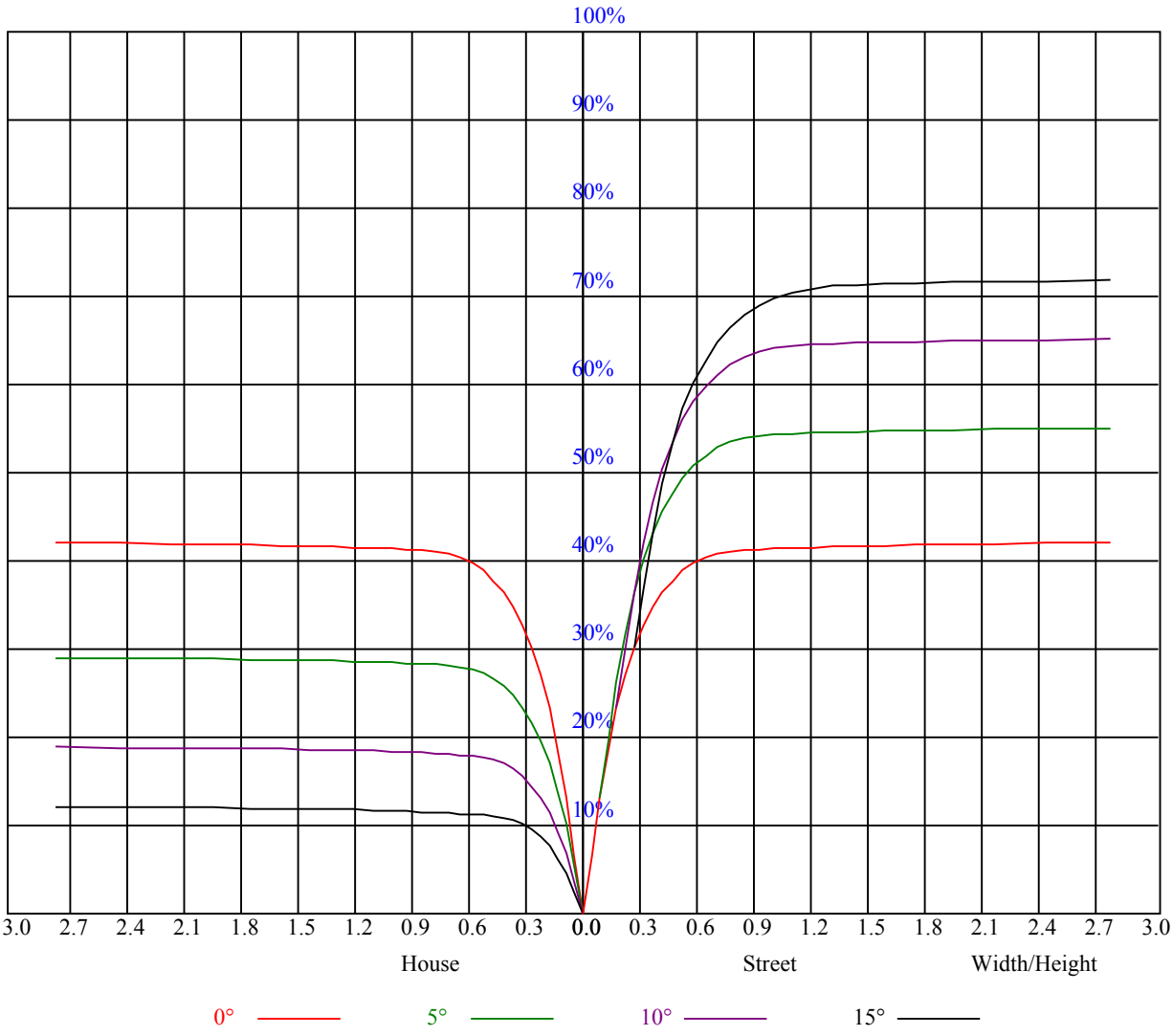


Equipment: GMS1980 Date: 2024/3/22 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

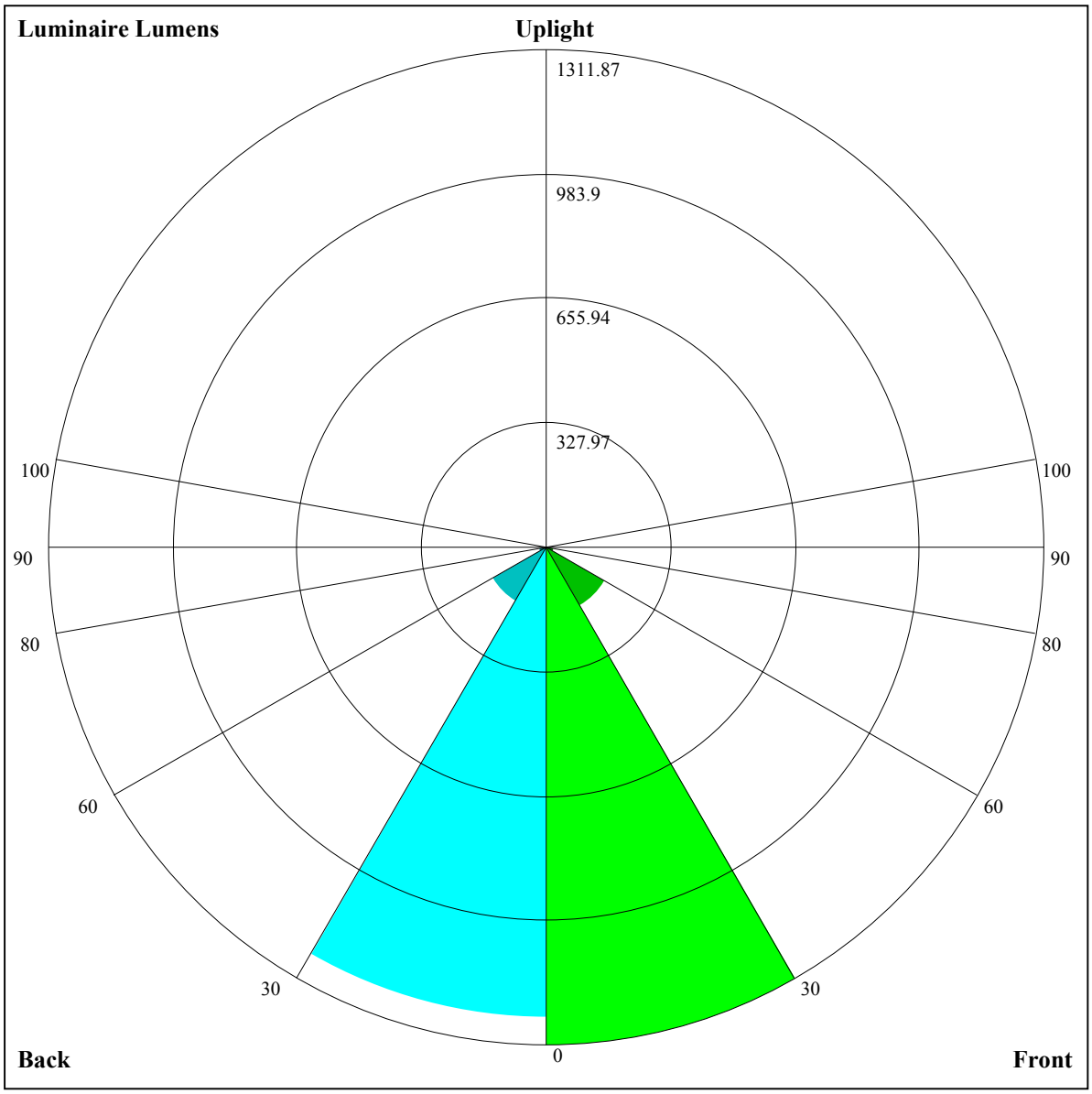
Utilization factor table for indoor luminaire

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	1.01	1.01	1.01	0.99	0.99	0.99	0.94	0.94	0.94	0.90	0.90	0.90	0.86	0.86	0.86	0.85
1	0.95	0.93	0.91	0.93	0.91	0.90	0.89	0.88	0.87	0.86	0.85	0.84	0.83	0.83	0.82	0.80
2	0.89	0.86	0.84	0.88	0.85	0.83	0.85	0.83	0.81	0.83	0.81	0.80	0.81	0.79	0.78	0.77
3	0.85	0.81	0.78	0.84	0.80	0.78	0.82	0.79	0.77	0.80	0.77	0.75	0.78	0.76	0.74	0.73
4	0.81	0.77	0.74	0.80	0.76	0.74	0.78	0.75	0.73	0.77	0.74	0.72	0.75	0.73	0.71	0.70
5	0.77	0.73	0.70	0.76	0.73	0.70	0.75	0.72	0.69	0.74	0.71	0.69	0.73	0.70	0.68	0.67
6	0.74	0.70	0.67	0.73	0.70	0.67	0.72	0.69	0.66	0.71	0.68	0.66	0.70	0.68	0.66	0.65
7	0.71	0.67	0.64	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
8	0.68	0.64	0.62	0.68	0.64	0.62	0.67	0.64	0.61	0.66	0.63	0.61	0.66	0.63	0.61	0.60
9	0.66	0.62	0.59	0.66	0.62	0.59	0.65	0.61	0.59	0.64	0.61	0.59	0.64	0.61	0.59	0.58
10	0.64	0.60	0.57	0.63	0.60	0.57	0.63	0.59	0.57	0.62	0.59	0.57	0.62	0.59	0.57	0.56

Coefficient Utilization Curve



Equipment: GMS1980	Date: 2024/3/22	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65



Luminaire Lumens:
FL=1311.87,FM=179.53,FH=21.43,FVH=7.48
BL=1242.25,BM=162.3,BH=21.81,BVH=7.41
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	12498.07	12474.66	12334.20	11612.09	11612.09	11063.15	10417.65	9678.51	8853.93
45.0	12357.61	12480.51	12457.10	12316.65	12076.70	11602.67	11058.41	10420.52	9507.57
90.0	12451.25	12351.76	11639.60	11639.60	11263.30	10666.37	9809.60	9025.98	8194.38
135.0	12445.39	12404.43	12246.42	11983.07	11497.33	10953.07	10315.18	9378.82	8553.65
180.0	12498.07	12381.02	12158.63	11725.57	11245.68	10508.30	9776.77	8945.75	8073.76
225.0	12357.61	11583.42	11583.42	11199.51	10594.97	9662.71	8808.87	7926.93	7087.13
270.0	12451.25	12398.58	12246.42	11977.21	11468.07	10923.81	10262.51	9472.45	8413.19
315.0	12445.39	12381.02	11644.87	11644.87	11263.88	10659.93	9941.86	8900.75	8010.03
360.0	12498.07	12474.66	12334.20	11612.09	11612.09	11063.15	10417.65	9678.51	8853.93

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	7768.34	6925.61	6137.90	5264.16	4649.09	4132.33	3590.41	3228.74	2918.58
45.0	8717.51	7874.79	7037.92	6072.29	5381.73	4755.54	4211.28	3649.46	3274.92
90.0	7343.46	6356.19	5627.58	4971.54	4404.46	3816.31	3421.28	3084.19	2731.89
135.0	7705.07	6710.19	5966.95	5293.95	4539.01	4041.56	3602.65	3157.87	3005.72
180.0	7049.62	6265.42	5539.74	4895.99	4217.13	3760.66	3374.41	3046.68	2976.45
225.0	6100.44	5387.64	4772.57	4241.77	3777.69	3304.82	2989.39	2656.39	2428.16
270.0	7552.91	6727.75	5955.25	5112.53	4521.45	4018.15	3497.30	3146.17	2988.16
315.0	7140.39	6151.36	5440.31	4812.36	4273.96	3710.39	3334.09	3013.97	2735.40
360.0	7768.34	6925.61	6137.90	5264.16	4649.09	4132.33	3590.41	3228.74	2918.58

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2598.46	2383.09	2192.90	2021.43	1831.81	1701.89	1584.85	1478.92	1292.82
45.0	2958.90	2958.90	2419.38	2182.36	2014.99	1867.51	1735.84	1591.29	1485.36
90.0	2496.04	2292.97	2069.41	1914.33	1777.39	1625.81	1519.30	1419.81	1164.54
135.0	3005.72	2400.07	2164.22	2002.11	1855.81	1725.89	1608.84	1476.00	1377.09
180.0	2686.24	2261.37	2041.32	1887.41	1722.96	1600.65	1494.14	1398.75	1274.68
225.0	2228.01	2009.72	1856.98	1725.30	1577.83	1473.07	1375.34	1160.91	1160.91
270.0	2988.16	2321.06	2085.80	1933.64	1780.31	1652.15	1519.89	1412.79	1323.25
315.0	2440.45	2241.47	2064.73	1869.85	1738.18	1619.96	1485.94	1388.80	1157.05
360.0	2598.46	2383.09	2192.90	2021.43	1831.81	1701.89	1584.85	1478.92	1292.82

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1167.41	1144.52	1050.83	953.86	854.19	728.31	628.88	534.43	427.39
45.0	1384.70	1288.14	1171.68	1078.04	980.90	881.99	756.17	656.10	537.30
90.0	1164.54	1117.49	1023.32	899.49	798.83	697.12	597.81	481.87	398.95
135.0	1282.29	1164.07	1067.51	941.69	839.27	736.27	610.45	517.98	433.13
180.0	1182.80	1086.24	960.41	855.66	750.32	646.73	526.76	441.90	365.82
225.0	1066.28	965.97	860.57	728.84	627.19	530.51	423.41	349.03	266.92
270.0	1230.79	1115.50	1018.35	914.18	784.85	681.26	582.94	471.16	393.33
315.0	1157.05	1085.53	985.17	882.29	754.00	652.41	556.31	468.18	370.39
360.0	1167.41	1144.52	1050.83	953.86	854.19	728.31	628.88	534.43	427.39

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	351.72	282.90	223.38	162.75	126.35	98.96	79.18	62.74	53.96
45.0	450.10	372.26	300.86	300.86	171.94	126.47	99.78	80.23	66.25
90.0	323.75	242.40	188.15	135.19	105.22	83.04	67.71	57.24	48.69
135.0	357.05	303.79	303.79	160.29	123.89	91.88	74.62	62.38	52.14
180.0	296.18	296.18	172.17	127.05	100.66	81.00	63.91	54.66	48.05
225.0	211.56	166.03	130.04	96.97	78.07	64.55	55.01	46.94	42.66
270.0	320.76	303.79	228.41	143.26	111.78	83.80	68.76	58.23	50.91
315.0	299.46	236.84	173.58	134.31	103.99	77.95	64.20	54.95	47.23
360.0	351.72	282.90	223.38	162.75	126.35	98.96	79.18	62.74	53.96

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	46.64	42.72	39.80	37.10	35.46	34.24	33.30	32.54	32.25
45.0	54.84	48.63	44.24	40.97	38.10	36.28	34.94	33.77	33.12
90.0	44.13	40.67	37.69	35.87	34.59	33.47	32.66	32.13	32.01
135.0	46.58	42.60	38.98	36.81	34.82	33.59	32.83	32.30	32.01
180.0	43.60	39.68	37.40	35.70	34.41	33.24	32.60	32.25	31.95
225.0	39.56	36.81	35.17	34.00	33.01	32.48	32.13	31.89	32.01
270.0	44.65	41.20	38.62	36.17	34.76	33.59	32.71	32.13	31.95
315.0	42.96	39.85	37.51	35.29	34.00	32.95	32.07	31.72	31.49
360.0	46.64	42.72	39.80	37.10	35.46	34.24	33.30	32.54	32.25

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	32.01	32.01	32.07	32.19	32.25	32.01	31.60	30.61	29.61
45.0	32.71	32.36	32.54	32.48	32.60	32.54	32.42	32.01	31.02
90.0	31.89	32.07	32.13	32.30	32.25	32.01	31.19	30.37	29.20
135.0	31.78	31.89	31.95	32.19	32.13	32.01	31.54	30.67	29.61
180.0	32.07	32.13	32.30	32.36	32.25	31.78	31.02	30.08	28.79
225.0	32.13	32.36	32.36	32.25	31.95	31.08	30.20	28.79	27.45
270.0	31.72	31.84	31.84	32.07	31.89	31.72	31.19	30.43	29.09
315.0	31.37	31.43	31.49	31.54	31.37	31.13	30.26	29.44	28.21
360.0	32.01	32.01	32.07	32.19	32.25	32.01	31.60	30.61	29.61

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	28.32	26.92	24.76	23.29	21.95	20.72	19.96	19.37	18.90
45.0	30.02	28.68	27.21	25.05	23.47	21.77	20.83	20.07	19.49
90.0	27.80	25.81	24.11	22.59	21.13	20.25	19.55	18.84	18.38
135.0	27.92	26.39	24.64	22.77	21.54	20.60	19.90	19.25	19.20
180.0	27.04	25.28	23.76	22.06	21.24	20.54	20.13	20.01	20.19
225.0	25.22	23.70	22.30	21.36	21.13	21.42	22.06	22.24	21.95
270.0	27.80	25.81	24.11	22.59	21.07	20.19	19.49	18.79	18.38
315.0	26.92	24.87	23.29	21.83	20.72	19.72	19.14	18.67	18.20
360.0	28.32	26.92	24.76	23.29	21.95	20.72	19.96	19.37	18.90

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	18.43	18.02	17.67	17.38	17.15	16.97	16.68	16.21	15.68
45.0	19.02	18.55	18.08	17.50	17.15	16.74	16.44	16.09	15.80
90.0	17.91	17.56	17.21	16.91	16.50	16.21	15.92	15.63	15.22
135.0	19.66	19.78	19.84	19.90	19.61	19.02	18.61	18.02	16.62
180.0	20.31	20.31	20.19	19.90	19.61	19.08	18.20	17.15	16.27
225.0	21.42	20.95	20.42	19.66	18.84	18.08	17.26	16.39	15.57
270.0	17.97	17.56	17.15	16.85	16.50	16.21	15.86	15.57	15.27
315.0	17.91	17.62	17.38	17.21	17.03	16.27	15.74	15.39	15.04
360.0	18.43	18.02	17.67	17.38	17.15	16.97	16.68	16.21	15.68

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	15.16	14.81	14.34	14.05	13.64	13.40	12.93	12.76	12.52
45.0	15.45	15.10	14.69	14.28	13.93	13.64	13.23	12.87	12.70
90.0	14.92	14.57	14.22	13.93	13.58	13.11	12.87	12.70	12.47
135.0	15.22	14.51	14.16	13.87	13.58	13.11	12.82	12.64	12.47
180.0	15.39	14.51	13.99	13.52	13.11	12.82	12.64	12.41	12.23
225.0	14.75	14.16	13.75	13.46	13.05	12.70	12.58	12.35	12.35
270.0	14.86	14.51	14.22	13.99	13.64	13.17	12.87	12.58	12.41
315.0	14.63	14.28	14.05	13.69	13.46	13.05	12.82	12.58	12.35
360.0	15.16	14.81	14.34	14.05	13.64	13.40	12.93	12.76	12.52

Intensity data(cd)

C/γ(°)	90.0
0.0	12.47
45.0	12.47
90.0	12.35
135.0	12.35
180.0	12.23
225.0	12.35
270.0	12.35
315.0	12.29
360.0	12.47