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NT

Client:
LumCAT: 2-2686-L
Luminaire: 92.70.411.00
Report No: 2024330-B019
Ballast type: AC

Test No: 2024330-C019	Voltage(V): 34.180
LampCAT: LUMILEDS LUXEON 1208	Current(A): 0.576
Lamp flux(lm): 2850.0	Power (W): 19.687
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 2423.82, Efficiency(%): 85.05% , Luminous Efficacy(lm/W): 123.12
Central intensity(cd): 12701.430, Maximum intensity(cd): 12701.430
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=18.6
[C90/270]Total=18.6
Field angle(10%Imax): [C0/180]Total=46.0
[C90/270]Total=46.0
Maximum s/h(1/2): C0_180=0.32 C90_270=0.32
Maximum s/h(1/4): C0_180=0.34 C90_270=0.34
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 85.05%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 98.123%

Equipment: GMS1980	Date: 2024/3/30	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	12701.431	0.000	0	0.00%	0.00%
1.0	12464.788	12.042	12.042	0.42%	0.50%
2.0	12053.250	35.191	47.232	1.23%	1.95%
3.0	11798.677	57.046	104.278	2.00%	4.30%
4.0	11148.273	76.811	181.089	2.70%	7.47%
5.0	10340.955	92.446	273.534	3.24%	11.29%
6.0	9489.014	104.212	377.746	3.66%	15.58%
7.0	8513.590	111.742	489.488	3.92%	20.19%
8.0	7572.256	115.123	604.611	4.04%	24.94%
9.0	6583.079	114.721	719.333	4.03%	29.68%
10.0	5699.755	111.155	830.488	3.90%	34.26%
11.0	4902.313	105.936	936.424	3.72%	38.63%
12.0	4231.938	99.850	1036.275	3.50%	42.75%
13.0	3635.886	93.371	1129.646	3.28%	46.61%
14.0	3150.222	86.862	1216.508	3.05%	50.19%
15.0	2830.543	82.107	1298.614	2.88%	53.58%
16.0	2689.577	80.885	1379.499	2.84%	56.91%
17.0	2289.386	77.536	1457.035	2.72%	60.11%
18.0	2055.881	71.644	1528.679	2.51%	63.07%
19.0	1873.730	68.367	1597.046	2.40%	65.89%
20.0	1713.744	65.661	1662.707	2.30%	68.60%
21.0	1574.826	63.147	1725.854	2.22%	71.20%
22.0	1412.989	60.041	1785.896	2.11%	73.68%
23.0	1267.597	56.246	1842.142	1.97%	76.00%
24.0	1205.271	54.066	1896.208	1.90%	78.23%
25.0	1103.990	52.508	1948.715	1.84%	80.40%
26.0	1008.160	49.858	1998.573	1.75%	82.46%
27.0	905.841	46.826	2045.399	1.64%	84.39%
28.0	801.846	43.235	2088.634	1.52%	86.17%
29.0	697.010	39.214	2127.848	1.38%	87.79%
30.0	597.712	34.957	2162.806	1.23%	89.23%
31.0	509.131	30.802	2193.608	1.08%	90.50%
32.0	435.890	27.074	2220.681	0.95%	91.62%
33.0	358.297	23.397	2244.078	0.82%	92.58%
34.0	300.118	19.926	2264.004	0.70%	93.41%
35.0	260.440	17.409	2281.413	0.61%	94.12%
36.0	215.136	15.142	2296.555	0.53%	94.75%
37.0	153.351	12.018	2308.573	0.42%	95.25%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	121.456	9.173	2317.746	0.32%	95.62%
39.0	95.860	7.418	2325.163	0.26%	95.93%
40.0	76.877	6.024	2331.188	0.21%	96.18%
41.0	61.449	4.926	2336.114	0.17%	96.38%
42.0	49.671	4.037	2340.151	0.14%	96.55%
43.0	41.902	3.392	2343.543	0.12%	96.69%
44.0	36.613	2.963	2346.506	0.10%	96.81%
45.0	32.941	2.673	2349.179	0.09%	96.92%
46.0	29.942	2.459	2351.638	0.09%	97.02%
47.0	27.791	2.296	2353.935	0.08%	97.12%
48.0	25.918	2.171	2356.106	0.08%	97.21%
49.0	24.404	2.067	2358.172	0.07%	97.29%
50.0	23.080	1.980	2360.152	0.07%	97.37%
51.0	22.019	1.908	2362.06	0.07%	97.45%
52.0	21.251	1.857	2363.917	0.07%	97.53%
53.0	20.578	1.820	2365.736	0.06%	97.60%
54.0	20.081	1.792	2367.529	0.06%	97.68%
55.0	19.729	1.777	2369.306	0.06%	97.75%
56.0	19.503	1.773	2371.078	0.06%	97.82%
57.0	19.422	1.780	2372.858	0.06%	97.90%
58.0	19.444	1.797	2374.655	0.06%	97.97%
59.0	19.561	1.824	2376.479	0.06%	98.05%
60.0	19.722	1.856	2378.335	0.07%	98.12%
61.0	19.876	1.890	2380.224	0.07%	98.20%
62.0	19.927	1.918	2382.142	0.07%	98.28%
63.0	19.766	1.930	2384.073	0.07%	98.36%
64.0	19.371	1.920	2385.993	0.07%	98.44%
65.0	18.786	1.888	2387.882	0.07%	98.52%
66.0	18.003	1.836	2389.717	0.06%	98.59%
67.0	17.162	1.768	2391.485	0.06%	98.67%
68.0	16.386	1.699	2393.185	0.06%	98.74%
69.0	15.794	1.642	2394.826	0.06%	98.80%
70.0	15.384	1.601	2396.428	0.06%	98.87%
71.0	15.187	1.580	2398.008	0.06%	98.93%
72.0	14.982	1.569	2399.576	0.06%	99.00%
73.0	14.879	1.562	2401.138	0.05%	99.06%
74.0	14.726	1.556	2402.694	0.05%	99.13%
75.0	14.492	1.544	2404.238	0.05%	99.19%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	14.250	1.526	2405.764	0.05%	99.25%
77.0	13.921	1.502	2407.266	0.05%	99.32%
78.0	13.606	1.474	2408.739	0.05%	99.38%
79.0	13.241	1.442	2410.182	0.05%	99.44%
80.0	12.868	1.408	2411.589	0.05%	99.50%
81.0	12.385	1.366	2412.955	0.05%	99.55%
82.0	11.953	1.320	2414.275	0.05%	99.61%
83.0	11.558	1.278	2415.553	0.04%	99.66%
84.0	11.288	1.245	2416.798	0.04%	99.71%
85.0	11.068	1.220	2418.018	0.04%	99.76%
86.0	10.827	1.197	2419.214	0.04%	99.81%
87.0	10.629	1.174	2420.389	0.04%	99.86%
88.0	10.505	1.158	2421.546	0.04%	99.91%
89.0	10.366	1.144	2422.69	0.04%	99.95%
90.0	10.329	1.135	2423.825	0.04%	100.00%

Zonal flux distribution table

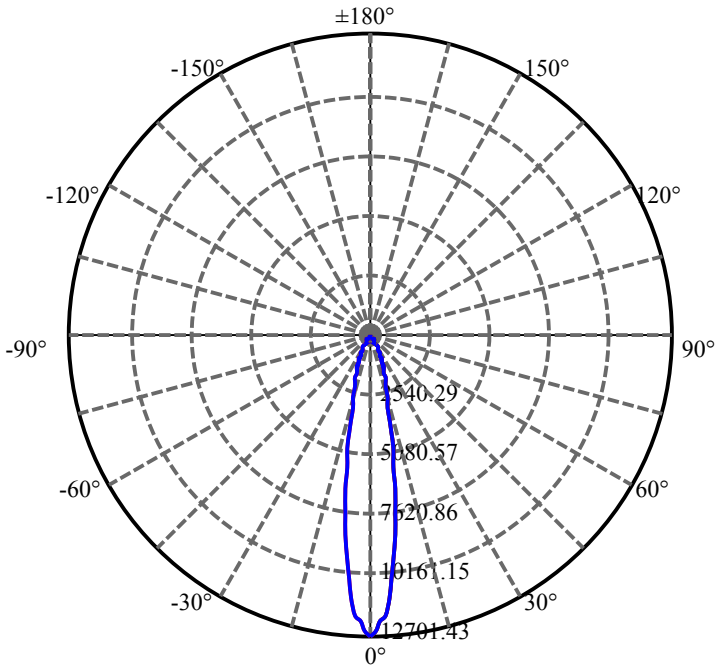
ZONAL LUMEN SUMMARY

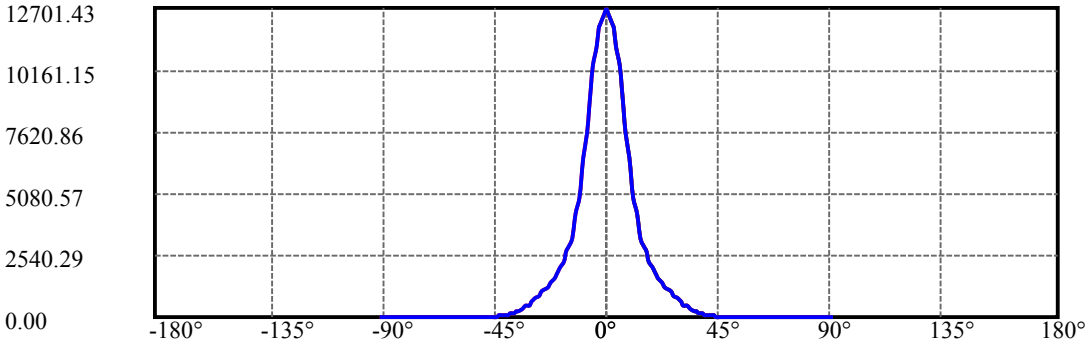
Zone	Lumens	%Lamp	%Fixt
0-30	2162.81	75.89%	89.23%
0-40	2331.19	81.80%	96.18%
0-60	2378.33	83.45%	98.12%
0-90	2422.69	85.01%	99.95%
0-120	2422.69	85.01%	99.95%
0-180	2423.82	85.05%	100.00%
60-90	44.36	1.56%	1.83%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-24.82	1939.06	68.04%	80.00%

ZONAL LUMEN SUMMARY

0-10	830.49
10-20	832.22
20-30	500.10
30-40	168.38
40-50	28.96
50-60	18.18
60-70	18.09
70-80	15.16
80-90	11.10
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:

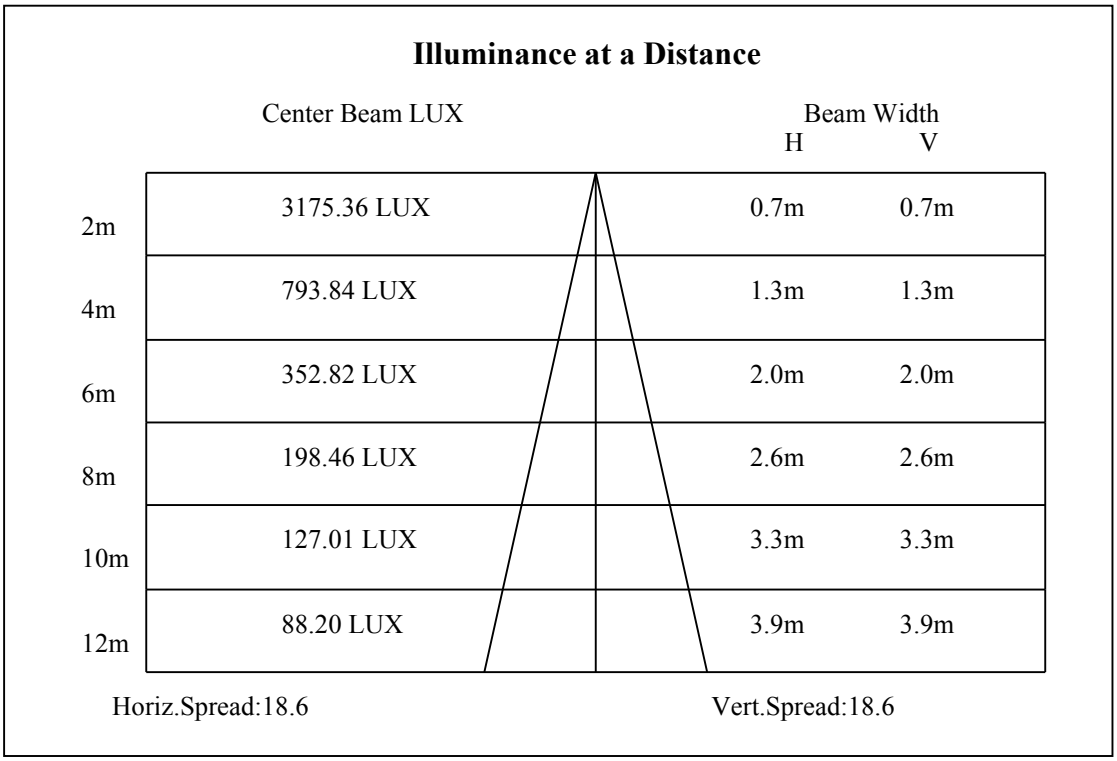
C90/C270:

Field angle(10%Imax):C0/180Left:23.0 Right:23.0
:C90/270Left:23.0 Right:23.0

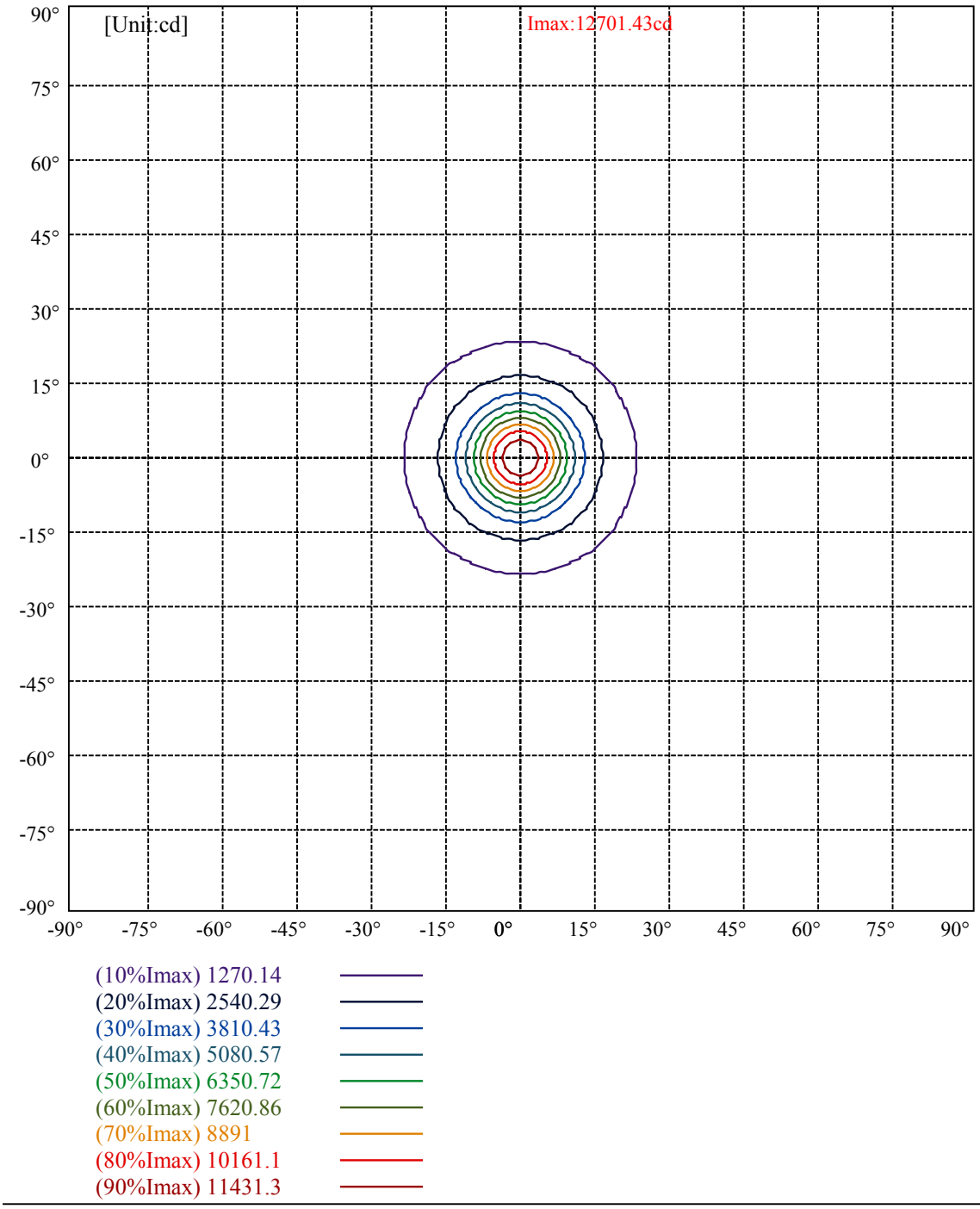
Beam Angle(50%Imax):C0/180Left:9.3 Right:9.3
:C90/270Left:9.3 Right:9.3

Equipment: GMS1980 Date: 2024/3/30 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

Lux distance Curve



ISO-Intensity(V-H)

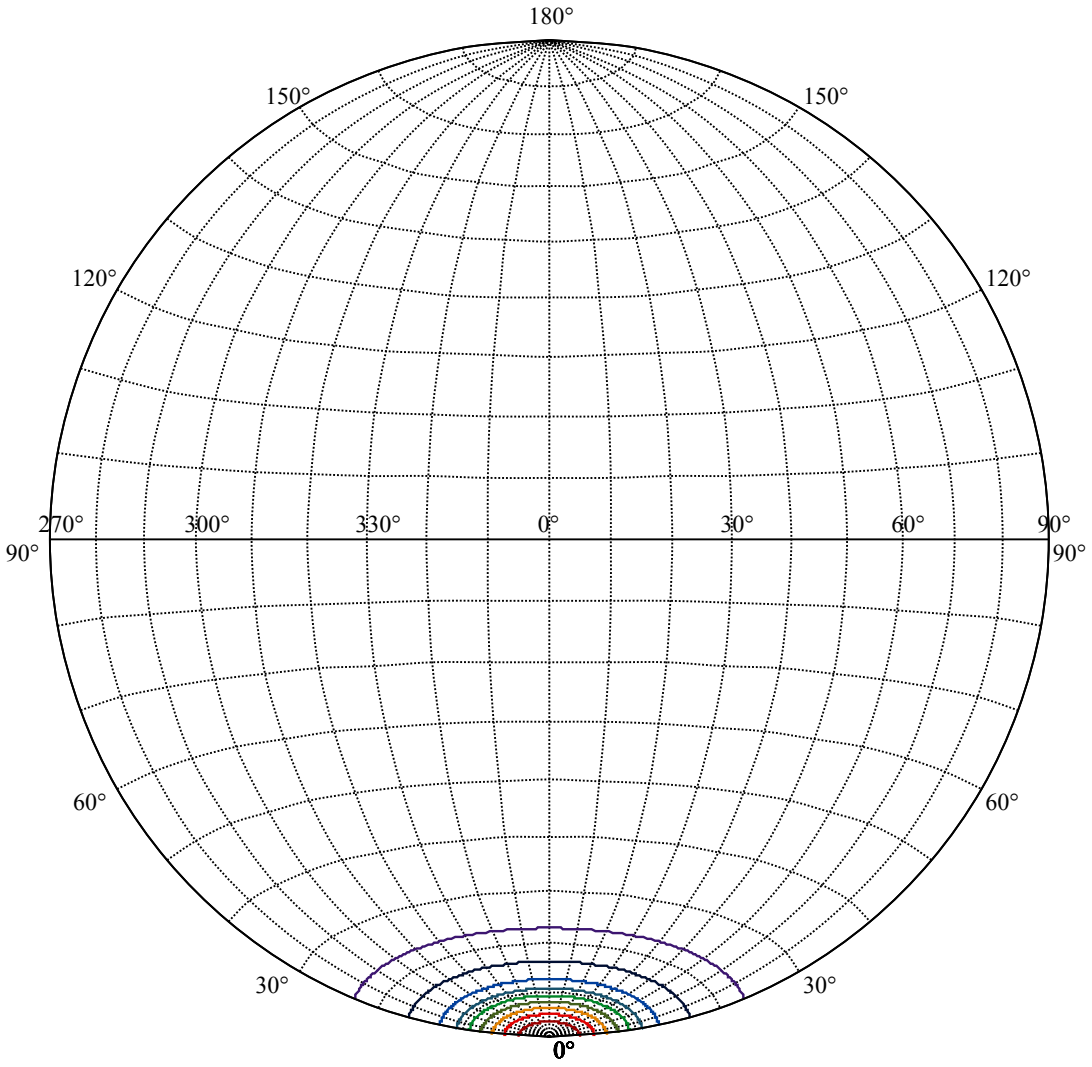


Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/3/30
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

ISO candela diagram on circular web

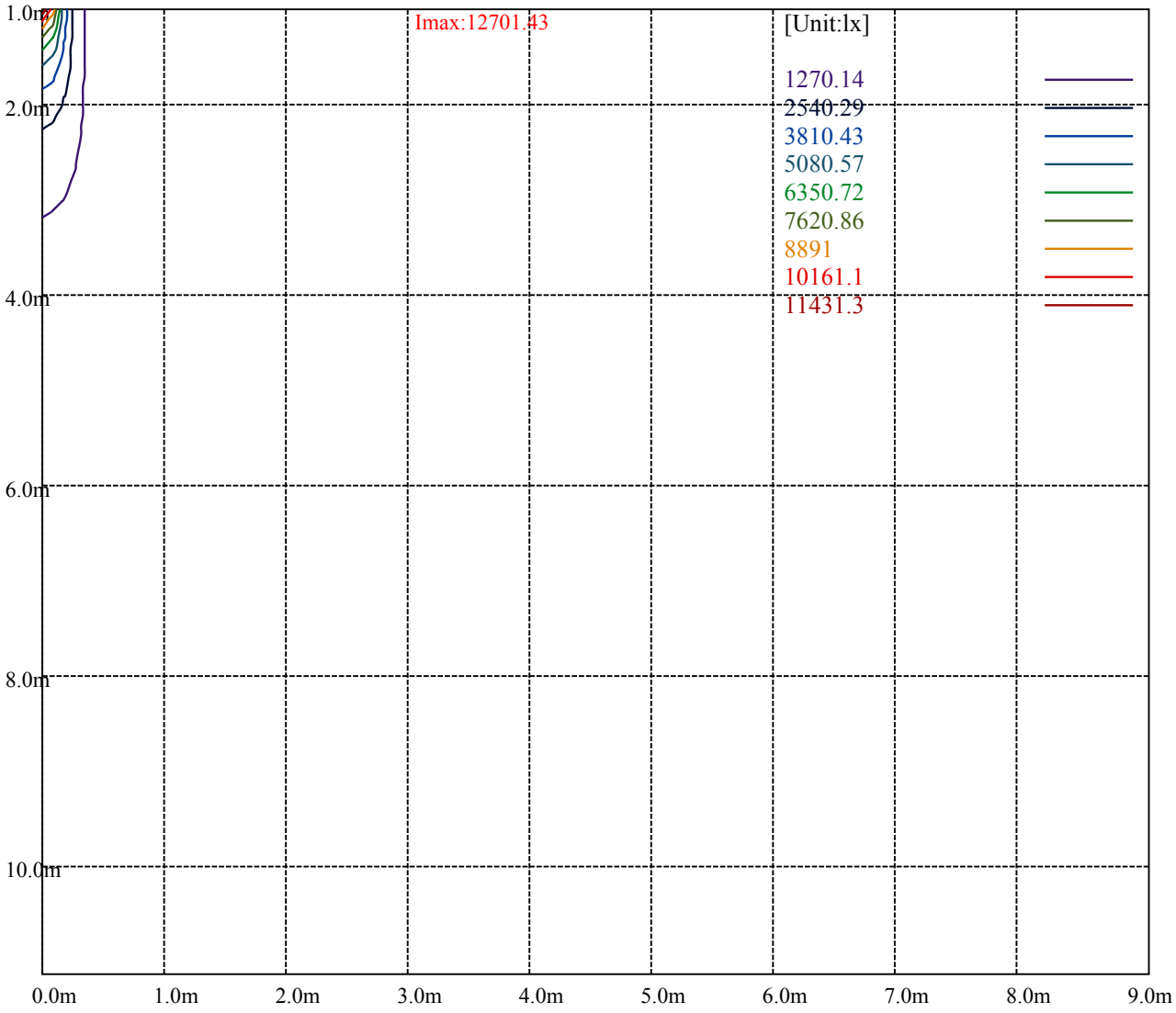


House [Unit:cd] Road

Imax:12701.43

(10%Imax) 1270.14
(20%Imax) 2540.29
(30%Imax) 3810.43
(40%Imax) 5080.57
(50%Imax) 6350.72
(60%Imax) 7620.86
(70%Imax) 8891
(80%Imax) 10161.1
(90%Imax) 11431.3

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/3/30
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

Luminance Limitting Curve(no luminous side)

Luminance Table

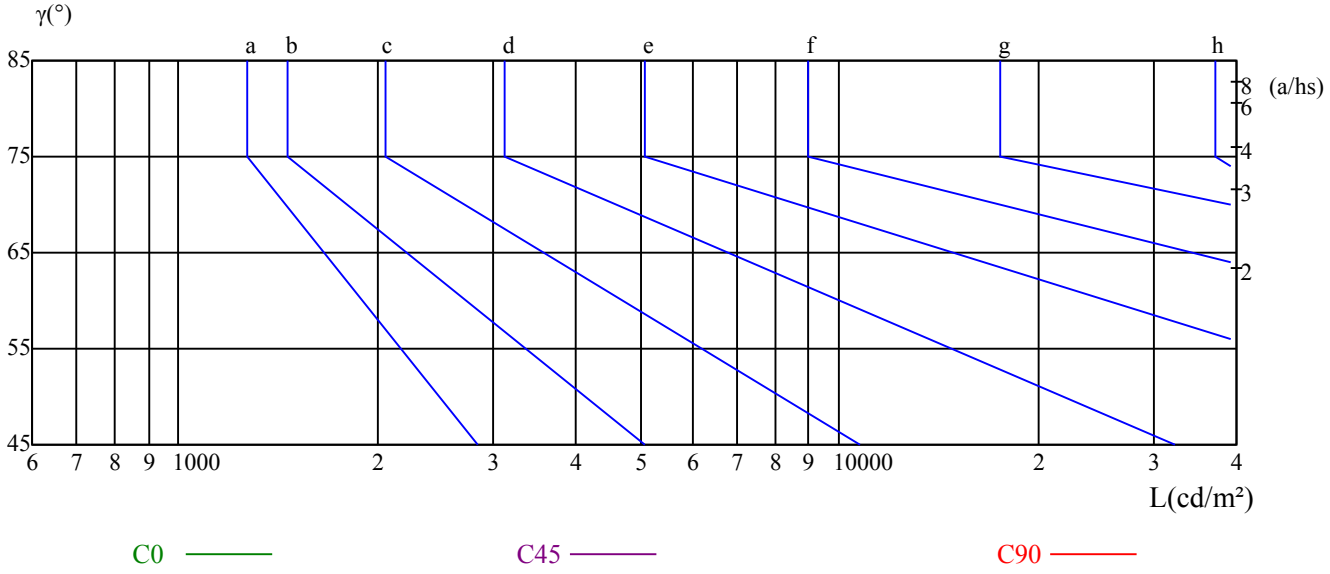
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

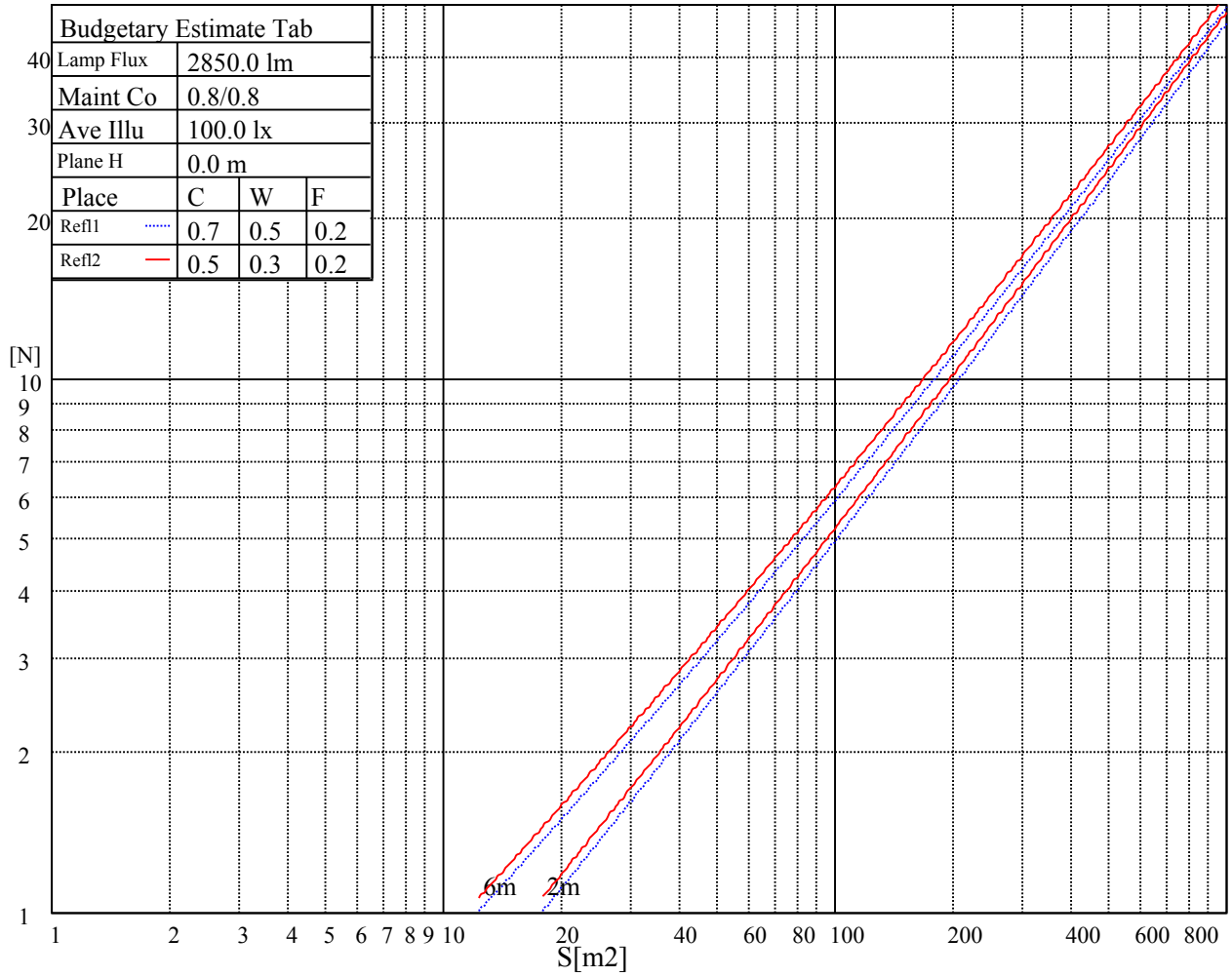
Luminance Limitting Curve



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

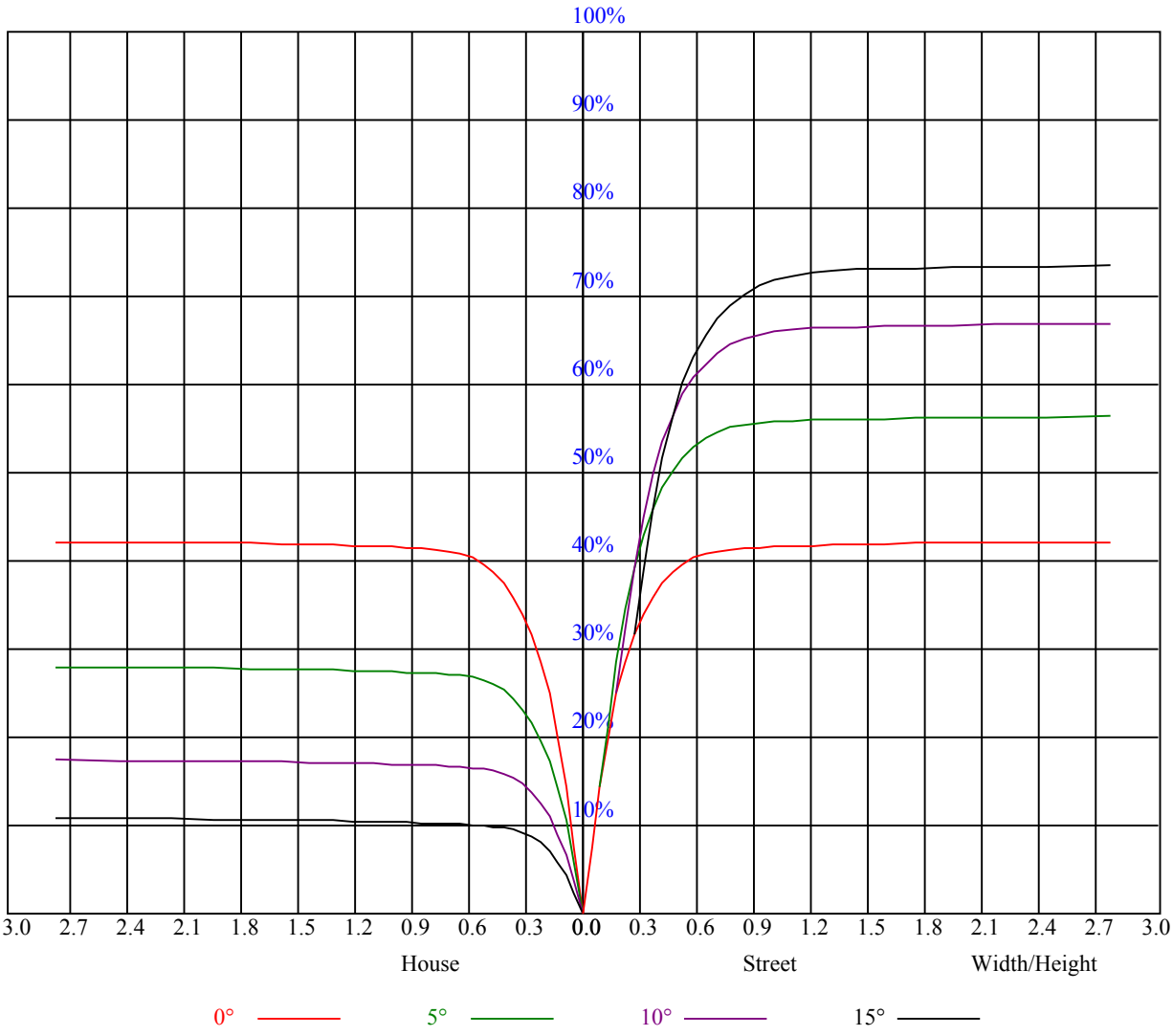


Equipment: GMS1980 Date: 2024/3/30 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

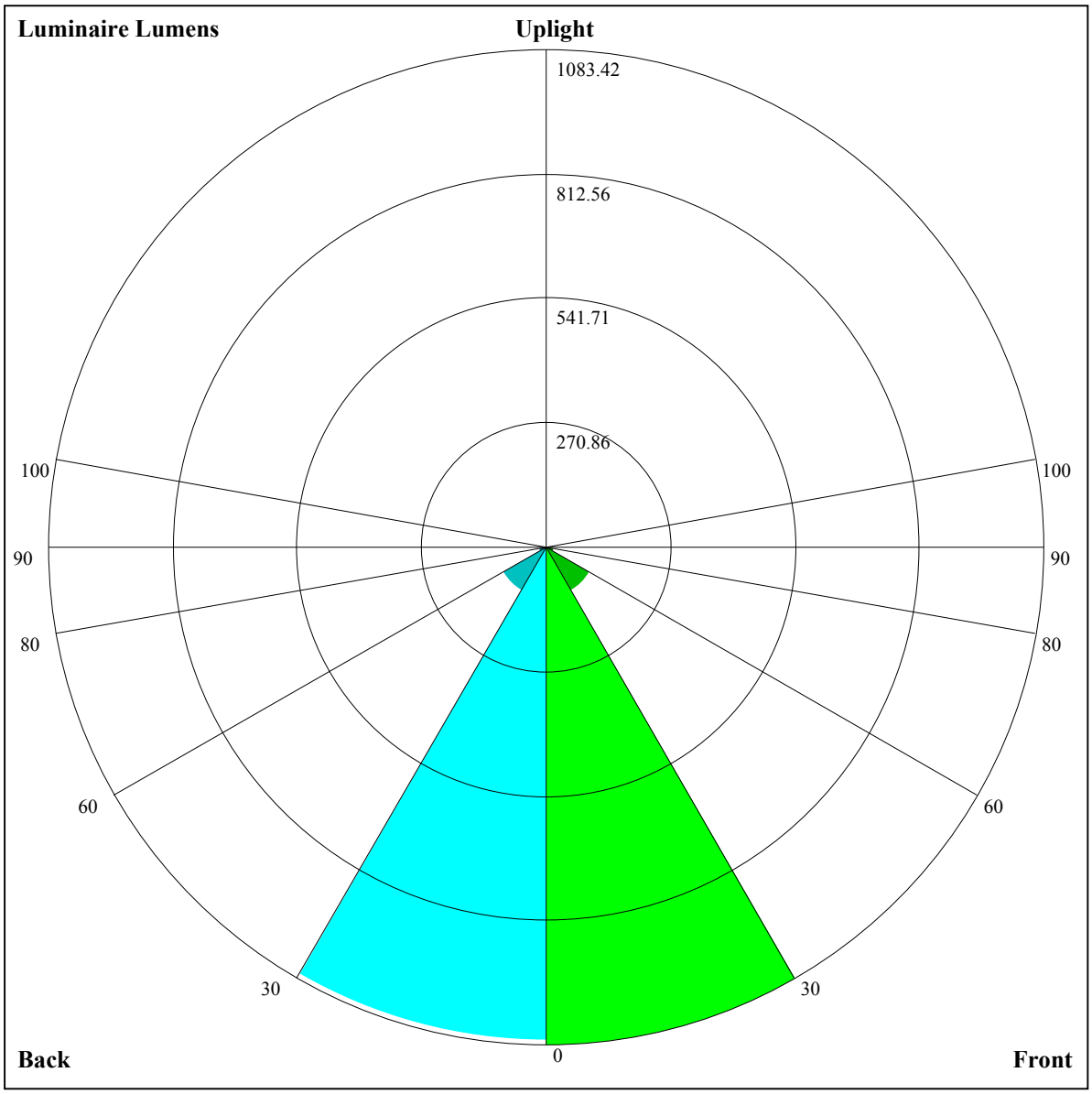
Utilization factor table for indoor luminaire

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	0.87	0.87	0.87	0.85
1	0.95	0.93	0.92	0.93	0.92	0.90	0.90	0.89	0.88	0.87	0.86	0.85	0.84	0.83	0.83	0.81
2	0.90	0.87	0.85	0.89	0.86	0.84	0.86	0.84	0.82	0.84	0.82	0.81	0.81	0.80	0.79	0.78
3	0.86	0.83	0.80	0.85	0.82	0.79	0.83	0.80	0.78	0.81	0.79	0.77	0.79	0.77	0.76	0.74
4	0.82	0.78	0.76	0.81	0.78	0.75	0.79	0.77	0.74	0.78	0.75	0.73	0.76	0.74	0.73	0.72
5	0.79	0.75	0.72	0.78	0.74	0.72	0.77	0.74	0.71	0.75	0.73	0.71	0.74	0.72	0.70	0.69
6	0.76	0.72	0.69	0.75	0.71	0.69	0.74	0.71	0.68	0.73	0.70	0.68	0.72	0.69	0.68	0.67
7	0.73	0.69	0.66	0.72	0.69	0.66	0.72	0.68	0.66	0.71	0.68	0.66	0.70	0.67	0.65	0.64
8	0.71	0.67	0.64	0.70	0.66	0.64	0.69	0.66	0.64	0.68	0.66	0.63	0.68	0.65	0.63	0.62
9	0.68	0.64	0.62	0.68	0.64	0.62	0.67	0.64	0.62	0.66	0.64	0.61	0.66	0.63	0.61	0.60
10	0.66	0.62	0.60	0.66	0.62	0.60	0.65	0.62	0.60	0.65	0.62	0.60	0.64	0.61	0.59	0.59

Coefficient Utilization Curve



Equipment: GMS1980	Date: 2024/3/30	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65



Luminaire Lumens:
FL=1083.42,FM=110.05,FH=16.71,FVH=6.17
BL=1074.81,BM=108.54,BH=16.69,BVH=6.1
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	12714.60	12562.44	11636.09	11636.09	10977.71	10050.13	9240.76	8342.44	7435.34
45.0	12679.48	12702.89	12568.29	12164.49	11672.90	11035.00	10280.06	9226.66	8342.97
90.0	12726.30	12404.43	11612.09	11612.09	10943.18	10170.68	9094.46	8192.04	7066.07
135.0	12685.34	12720.45	12515.62	12135.23	11561.71	10672.16	9858.70	8992.57	8067.91
180.0	12714.60	12673.63	12410.28	11971.36	11233.98	10496.60	9671.43	8764.33	7845.53
225.0	12679.48	12304.94	11538.94	11382.10	10686.27	9661.54	8760.29	7594.52	6681.57
270.0	12726.30	12685.34	12480.51	11971.36	11415.40	10736.54	9981.60	8898.93	7985.98
315.0	12685.34	11664.18	11664.18	11516.70	10695.05	9904.99	9024.81	8097.23	7152.68
360.0	12714.60	12562.44	11636.09	11636.09	10977.71	10050.13	9240.76	8342.44	7435.34

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	6347.41	5511.71	4767.89	4138.18	3609.14	3088.88	2761.15	2431.67	2222.74
45.0	7459.28	6581.44	5551.44	4802.36	4158.61	3509.01	3093.50	3005.72	2659.32
90.0	6212.22	5402.86	4516.24	3911.12	3416.02	2937.89	2637.67	2391.87	2185.29
135.0	6967.69	6119.11	5340.76	4632.64	3871.85	3391.96	2999.86	2999.86	2376.07
180.0	6733.60	5885.02	5100.82	4410.26	3678.72	3134.47	3034.98	3034.98	2285.95
225.0	5816.61	4849.23	4193.78	3650.69	3215.87	2857.13	2506.58	2283.02	2091.65
270.0	7084.73	5996.22	5194.46	4345.88	3778.21	3304.18	3011.57	3011.57	2339.20
315.0	6043.09	5252.45	4553.11	3964.37	3358.66	2978.27	2599.04	2357.93	2154.86
360.0	6347.41	5511.71	4767.89	4138.18	3609.14	3088.88	2761.15	2431.67	2222.74

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2043.08	1831.81	1682.00	1548.56	1404.01	1144.52	1144.52	1073.30	979.61
45.0	2226.25	2047.76	1845.86	1696.04	1560.27	1443.22	1312.13	1212.06	1110.82
90.0	1965.24	1806.65	1661.51	1532.18	1389.38	1158.45	1158.45	1061.48	964.74
135.0	2173.00	1957.64	1796.70	1653.90	1495.89	1385.29	1280.53	1157.05	1058.15
180.0	2048.35	1882.14	1737.01	1595.97	1436.20	1327.93	1234.30	1107.89	1014.25
225.0	1921.35	1726.47	1588.94	1439.71	1156.87	1156.87	1109.47	1014.72	919.33
270.0	2135.54	1961.73	1768.61	1629.32	1494.14	1378.85	1257.12	1154.12	1060.49
315.0	1934.23	1775.63	1629.32	1502.92	1367.14	1145.64	1145.64	1051.30	957.90
360.0	2043.08	1831.81	1682.00	1548.56	1404.01	1144.52	1144.52	1073.30	979.61

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	885.56	786.78	691.03	580.02	503.35	433.77	351.54	292.61	241.70
45.0	1010.74	887.26	788.36	665.46	577.09	501.01	413.81	348.85	304.38
90.0	867.36	743.18	649.83	562.58	463.97	392.63	327.67	269.50	208.57
135.0	959.83	858.58	759.10	639.71	554.27	476.43	386.89	322.52	307.30
180.0	919.45	821.13	701.16	608.11	502.18	427.27	355.29	307.89	307.89
225.0	797.78	702.09	607.70	524.60	433.30	365.30	305.14	252.47	198.22
270.0	943.44	848.63	730.42	636.78	550.17	473.51	390.40	328.37	299.11
315.0	862.56	767.11	648.49	564.45	488.72	417.21	335.63	278.74	216.36
360.0	885.56	786.78	691.03	580.02	503.35	433.77	351.54	292.61	241.70

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	189.32	153.97	124.07	93.46	75.14	60.80	49.98	40.85	35.87
45.0	304.38	183.00	148.18	118.57	94.34	71.46	58.17	48.40	41.38
90.0	169.48	137.53	112.01	86.44	70.75	57.88	46.23	39.97	34.82
135.0	240.59	163.16	131.44	100.48	81.52	66.36	51.85	43.60	37.81
180.0	181.30	146.66	113.24	92.35	75.55	61.98	48.98	41.73	36.75
225.0	161.76	130.97	100.19	80.29	61.62	51.15	43.54	38.39	33.83
270.0	299.11	170.94	136.12	110.26	88.02	66.48	54.19	43.66	37.98
315.0	175.16	140.57	106.39	85.03	68.06	55.48	44.42	38.62	34.47
360.0	189.32	153.97	124.07	93.46	75.14	60.80	49.98	40.85	35.87

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	32.30	29.03	26.92	25.28	23.88	22.41	21.54	20.83	20.19
45.0	35.76	32.60	29.55	27.56	25.81	24.11	22.94	22.12	21.36
90.0	31.95	29.67	27.68	25.63	24.29	23.17	22.24	21.36	20.72
135.0	33.77	30.55	28.50	26.74	25.22	23.58	22.47	21.65	20.78
180.0	33.36	30.20	28.21	26.10	24.70	23.41	22.12	21.30	20.54
225.0	31.08	28.79	26.92	24.93	23.64	22.53	21.36	20.66	20.19
270.0	34.00	30.43	28.21	26.39	24.58	23.35	22.41	21.59	20.83
315.0	31.31	28.27	26.34	24.70	23.12	22.06	21.07	20.48	20.01
360.0	32.30	29.03	26.92	25.28	23.88	22.41	21.54	20.83	20.19

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	19.72	19.43	19.25	19.20	19.25	19.37	19.55	19.61	19.66
45.0	20.60	20.19	19.84	19.72	19.61	19.66	19.78	20.01	20.19
90.0	20.25	19.96	19.72	19.61	19.72	19.84	20.01	20.19	20.25
135.0	20.31	19.78	19.49	19.31	19.25	19.31	19.43	19.66	19.84
180.0	20.01	19.49	19.20	19.08	19.08	19.20	19.43	19.61	19.72
225.0	19.72	19.55	19.43	19.49	19.61	19.84	20.01	20.13	20.07
270.0	20.37	20.07	19.78	19.66	19.66	19.72	19.90	20.01	20.07
315.0	19.66	19.37	19.31	19.31	19.37	19.55	19.66	19.78	19.61
360.0	19.72	19.43	19.25	19.20	19.25	19.37	19.55	19.61	19.66

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	19.43	19.02	18.55	17.79	16.80	16.09	15.27	14.86	14.46
45.0	20.25	20.07	19.66	19.02	18.14	17.38	16.68	15.92	15.45
90.0	20.01	19.43	18.84	18.02	17.26	16.44	16.44	17.03	17.91
135.0	19.78	19.61	19.08	18.43	17.56	16.85	15.98	15.33	14.81
180.0	19.61	19.31	18.79	17.85	16.91	16.15	15.51	14.92	14.46
225.0	19.72	19.20	18.20	17.44	16.68	15.86	15.33	14.98	15.16
270.0	19.96	19.61	19.08	18.14	17.44	16.62	15.98	15.33	14.92
315.0	19.37	18.73	18.08	17.32	16.50	15.68	15.16	14.69	14.34
360.0	19.43	19.02	18.55	17.79	16.80	16.09	15.27	14.86	14.46

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	14.10	14.05	14.10	14.16	14.10	13.87	13.87	13.52	13.05
45.0	15.10	15.22	15.27	15.33	15.45	15.16	14.86	14.46	14.16
90.0	17.91	17.38	17.15	16.27	15.92	15.22	14.75	14.40	13.81
135.0	14.40	14.10	13.87	13.69	13.40	13.17	12.93	12.70	12.41
180.0	14.34	14.57	14.69	14.63	14.28	13.99	13.58	12.93	12.52
225.0	15.39	15.45	15.16	14.86	14.51	14.05	13.46	13.11	12.64
270.0	14.63	14.51	14.10	13.81	13.40	13.17	12.93	12.58	12.35
315.0	13.99	13.75	13.46	13.17	12.93	12.76	12.47	12.23	12.00
360.0	14.10	14.05	14.10	14.16	14.10	13.87	13.87	13.52	13.05

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	12.58	11.88	11.41	11.24	11.06	10.83	10.65	10.53	10.36
45.0	13.75	13.46	12.52	11.70	11.35	11.18	10.77	10.65	10.48
90.0	12.82	11.76	11.53	11.29	11.12	10.77	10.65	10.48	10.36
135.0	12.17	11.94	11.59	11.41	11.18	10.83	10.65	10.53	10.48
180.0	12.06	11.70	11.35	11.18	10.94	10.77	10.59	10.48	10.30
225.0	11.94	11.53	11.24	11.06	10.83	10.65	10.53	10.42	10.30
270.0	12.06	11.76	11.53	11.29	11.12	10.89	10.65	10.48	10.36
315.0	11.70	11.59	11.29	11.12	10.94	10.71	10.53	10.48	10.30
360.0	12.58	11.88	11.41	11.24	11.06	10.83	10.65	10.53	10.36

Intensity data(cd)

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