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NT

Client:
LumCAT: 2-2678-L
Luminaire: 92.70.411.00
Report No: 2024402-B003
Ballast type: AC

Test No: 2024402-C003	Voltage(V): 35.160
LampCAT: LUMILEDS LUXEON 1205	Current(A): 0.485
Lamp flux(lm): 2202.0	Power (W): 17.052
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 1872.25, Efficiency(%): 85.02% , Luminous Efficacy(lm/W): 109.80
Central intensity(cd): 8991.163, Maximum intensity(cd): 8991.163
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=19.4
[C90/270]Total=19.4
Field angle(10%Imax): [C0/180]Total=48.8
[C90/270]Total=48.8
Maximum s/h(1/2): C0_180=0.33 C90_270=0.33
Maximum s/h(1/4): C0_180=0.35 C90_270=0.35
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 85.02%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 98.068%

Equipment: GMS1980	Date: 2024/4/02	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	8991.163	0.000	0	0.00%	0.00%
1.0	8942.882	8.581	8.581	0.39%	0.46%
2.0	8768.265	25.421	34.002	1.15%	1.82%
3.0	8472.434	41.234	75.236	1.87%	4.02%
4.0	8063.874	55.352	130.588	2.51%	6.97%
5.0	7558.239	67.206	197.794	3.05%	10.56%
6.0	6960.505	76.300	274.094	3.47%	14.64%
7.0	6267.379	82.105	356.199	3.73%	19.03%
8.0	5589.030	84.854	441.053	3.85%	23.56%
9.0	4940.382	85.335	526.388	3.88%	28.12%
10.0	4295.537	83.582	609.97	3.80%	32.58%
11.0	3719.017	80.082	690.052	3.64%	36.86%
12.0	3230.939	75.973	766.025	3.45%	40.91%
13.0	2802.847	71.606	837.63	3.25%	44.74%
14.0	2452.151	67.264	904.894	3.05%	48.33%
15.0	2160.782	63.328	968.222	2.88%	51.71%
16.0	1914.622	59.716	1027.938	2.71%	54.90%
17.0	1711.037	56.461	1084.4	2.56%	57.92%
18.0	1518.498	53.248	1137.648	2.42%	60.76%
19.0	1376.625	50.369	1188.017	2.29%	63.45%
20.0	1228.592	47.683	1235.7	2.17%	66.00%
21.0	1157.026	45.809	1281.508	2.08%	68.45%
22.0	1075.534	44.864	1326.373	2.04%	70.84%
23.0	998.818	43.526	1369.898	1.98%	73.17%
24.0	926.594	42.096	1411.995	1.91%	75.42%
25.0	865.482	40.748	1452.742	1.85%	77.59%
26.0	807.969	39.502	1492.244	1.79%	79.70%
27.0	747.830	38.063	1530.307	1.73%	81.74%
28.0	690.595	36.418	1566.725	1.65%	83.68%
29.0	626.820	34.467	1601.193	1.57%	85.52%
30.0	564.713	32.171	1633.364	1.46%	87.24%
31.0	492.299	29.415	1662.779	1.34%	88.81%
32.0	427.214	26.343	1689.122	1.20%	90.22%
33.0	357.690	23.124	1712.245	1.05%	91.45%
34.0	301.632	19.953	1732.198	0.91%	92.52%
35.0	258.443	17.394	1749.592	0.79%	93.45%
36.0	203.278	14.701	1764.293	0.67%	94.23%
37.0	157.543	11.768	1776.061	0.53%	94.86%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	108.903	8.894	1784.955	0.40%	95.34%
39.0	82.151	6.521	1791.476	0.30%	95.69%
40.0	62.451	5.043	1796.519	0.23%	95.96%
41.0	47.864	3.928	1800.448	0.18%	96.17%
42.0	39.152	3.161	1803.609	0.14%	96.33%
43.0	32.838	2.667	1806.276	0.12%	96.48%
44.0	28.354	2.310	1808.585	0.10%	96.60%
45.0	25.472	2.069	1810.654	0.09%	96.71%
46.0	23.424	1.912	1812.566	0.09%	96.81%
47.0	21.924	1.804	1814.37	0.08%	96.91%
48.0	20.724	1.724	1816.094	0.08%	97.00%
49.0	19.868	1.667	1817.761	0.08%	97.09%
50.0	19.283	1.632	1819.393	0.07%	97.18%
51.0	18.837	1.613	1821.006	0.07%	97.26%
52.0	18.610	1.607	1822.613	0.07%	97.35%
53.0	18.508	1.615	1824.227	0.07%	97.44%
54.0	18.478	1.630	1825.858	0.07%	97.52%
55.0	18.530	1.652	1827.51	0.08%	97.61%
56.0	18.610	1.678	1829.188	0.08%	97.70%
57.0	18.676	1.705	1830.893	0.08%	97.79%
58.0	18.647	1.726	1832.619	0.08%	97.88%
59.0	18.464	1.735	1834.354	0.08%	97.98%
60.0	18.120	1.728	1836.082	0.08%	98.07%
61.0	17.615	1.705	1837.787	0.08%	98.16%
62.0	16.950	1.666	1839.453	0.08%	98.25%
63.0	16.108	1.608	1841.061	0.07%	98.33%
64.0	15.143	1.533	1842.594	0.07%	98.42%
65.0	14.184	1.451	1844.045	0.07%	98.49%
66.0	13.307	1.372	1845.417	0.06%	98.57%
67.0	12.626	1.304	1846.721	0.06%	98.64%
68.0	12.180	1.257	1847.978	0.06%	98.70%
69.0	11.968	1.232	1849.21	0.06%	98.77%
70.0	11.968	1.229	1850.439	0.06%	98.84%
71.0	11.785	1.228	1851.667	0.06%	98.90%
72.0	11.829	1.228	1852.894	0.06%	98.97%
73.0	12.158	1.254	1854.149	0.06%	99.03%
74.0	11.800	1.260	1855.408	0.06%	99.10%
75.0	12.136	1.265	1856.673	0.06%	99.17%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	11.807	1.271	1857.944	0.06%	99.24%
77.0	11.778	1.257	1859.201	0.06%	99.30%
78.0	11.295	1.235	1860.436	0.06%	99.37%
79.0	10.805	1.187	1861.624	0.05%	99.43%
80.0	10.271	1.136	1862.76	0.05%	99.49%
81.0	9.671	1.078	1863.838	0.05%	99.55%
82.0	9.151	1.021	1864.859	0.05%	99.61%
83.0	8.954	0.984	1865.843	0.04%	99.66%
84.0	8.778	0.966	1866.809	0.04%	99.71%
85.0	8.574	0.947	1867.756	0.04%	99.76%
86.0	8.391	0.927	1868.684	0.04%	99.81%
87.0	8.215	0.909	1869.593	0.04%	99.86%
88.0	8.105	0.894	1870.487	0.04%	99.91%
89.0	8.010	0.883	1871.37	0.04%	99.95%
90.0	7.966	0.876	1872.246	0.04%	100.00%

Zonal flux distribution table

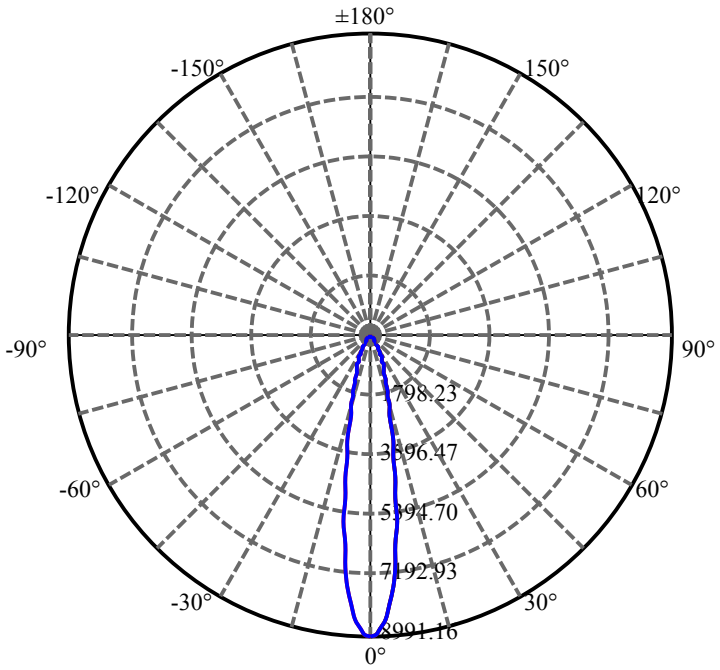
ZONAL LUMEN SUMMARY

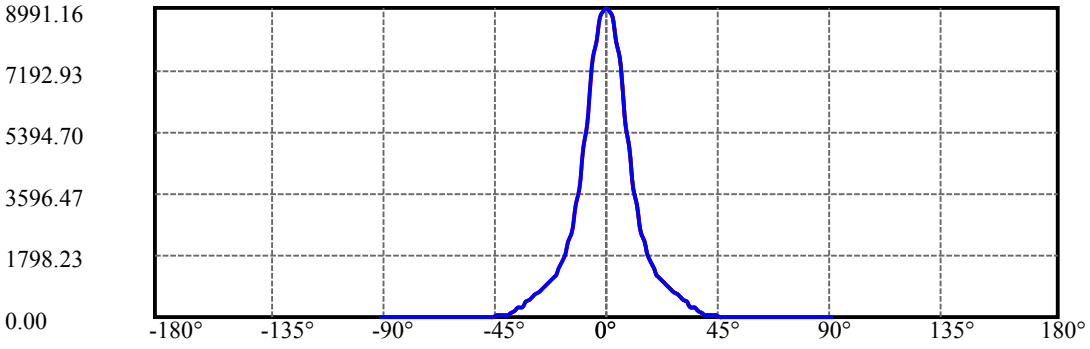
Zone	Lumens	%Lamp	%Fixt
0-30	1633.36	74.18%	87.24%
0-40	1796.52	81.59%	95.96%
0-60	1836.08	83.38%	98.07%
0-90	1871.37	84.99%	99.95%
0-120	1871.37	84.99%	99.95%
0-180	1872.25	85.02%	100.00%
60-90	35.29	1.60%	1.88%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-26.15	1497.80	68.02%	80.00%

ZONAL LUMEN SUMMARY

0-10	609.97
10-20	625.73
20-30	397.66
30-40	163.16
40-50	22.87
50-60	16.69
60-70	14.36
70-80	12.32
80-90	8.61
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):

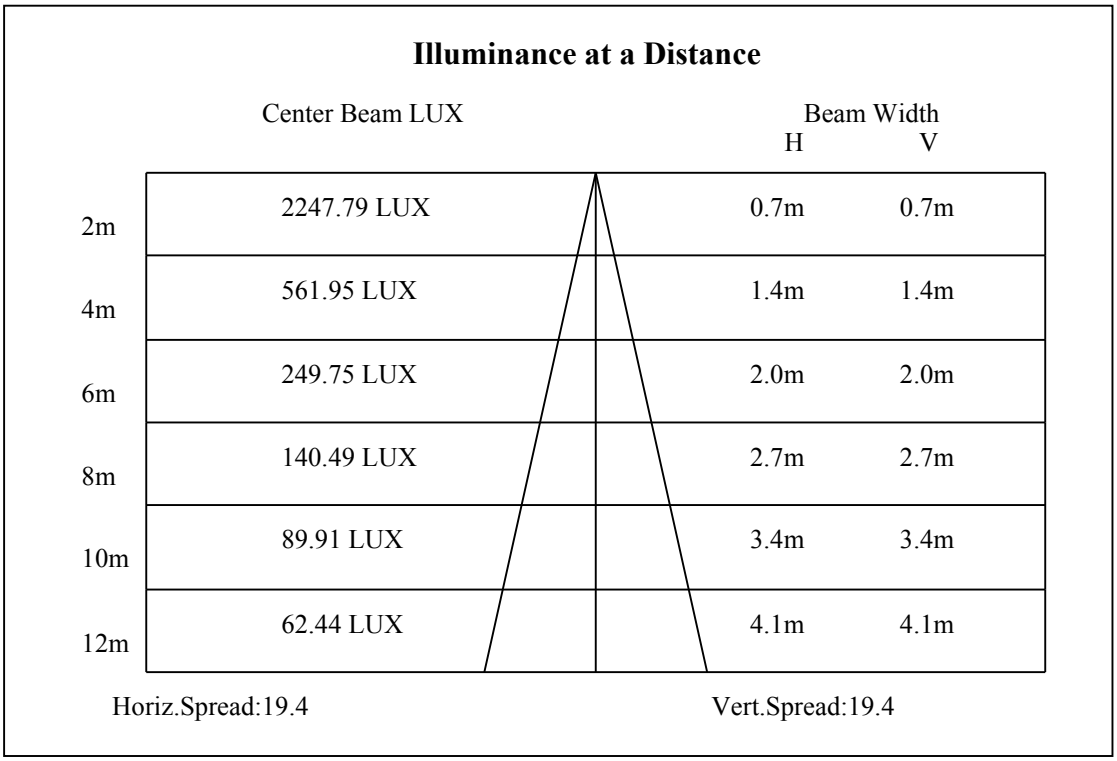
C0/C180:

C90/C270:

Field angle(10%Imax):C0/180Left:24.4 Right:24.4
:C90/270Left:24.4 Right:24.4

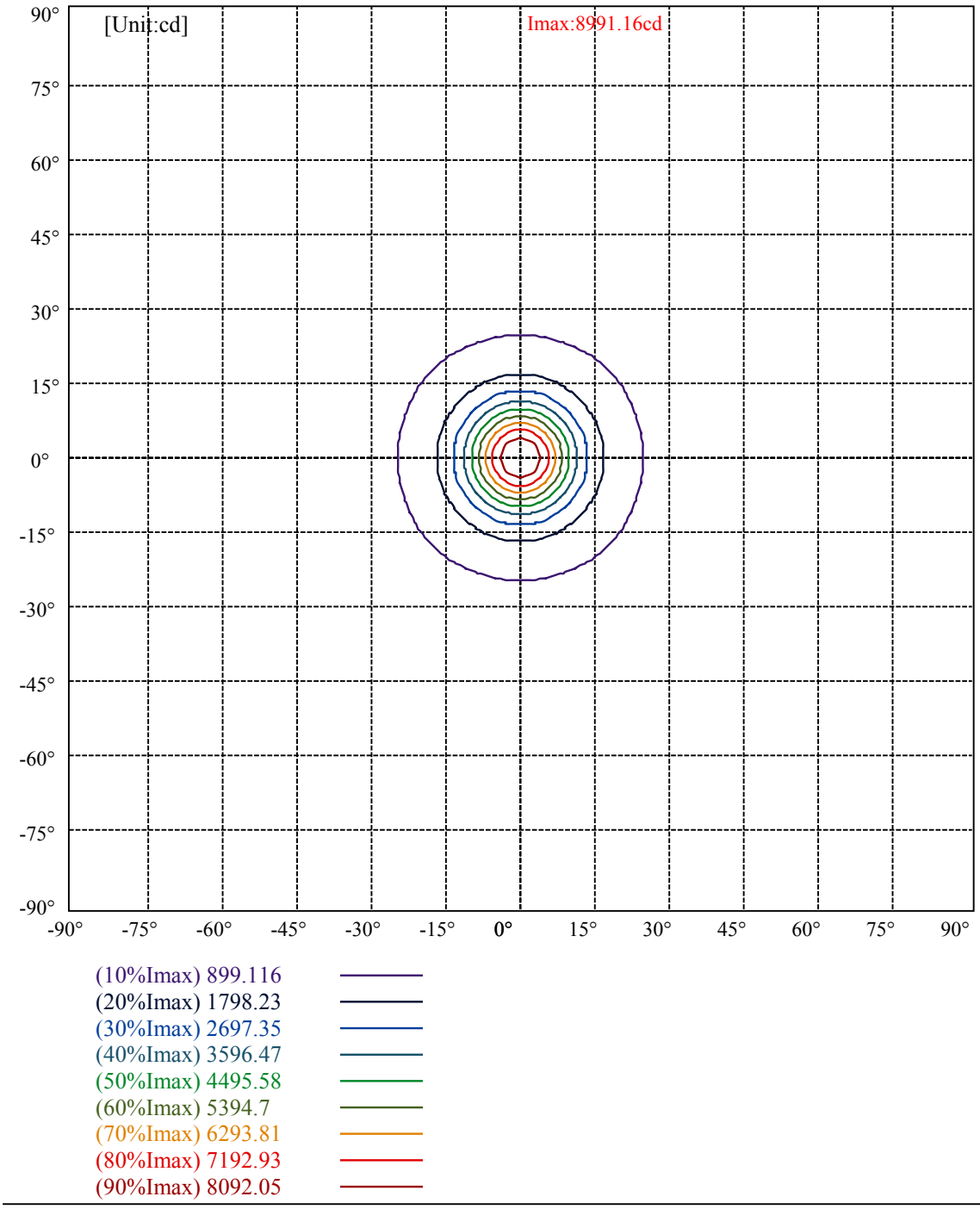
Beam Angle(50%Imax):C0/180Left:9.7 Right:9.7
:C90/270Left:9.7 Right:9.7

Lux distance Curve



Equipment: GMS1980 Date: 2024/4/02 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

ISO-Intensity(V-H)

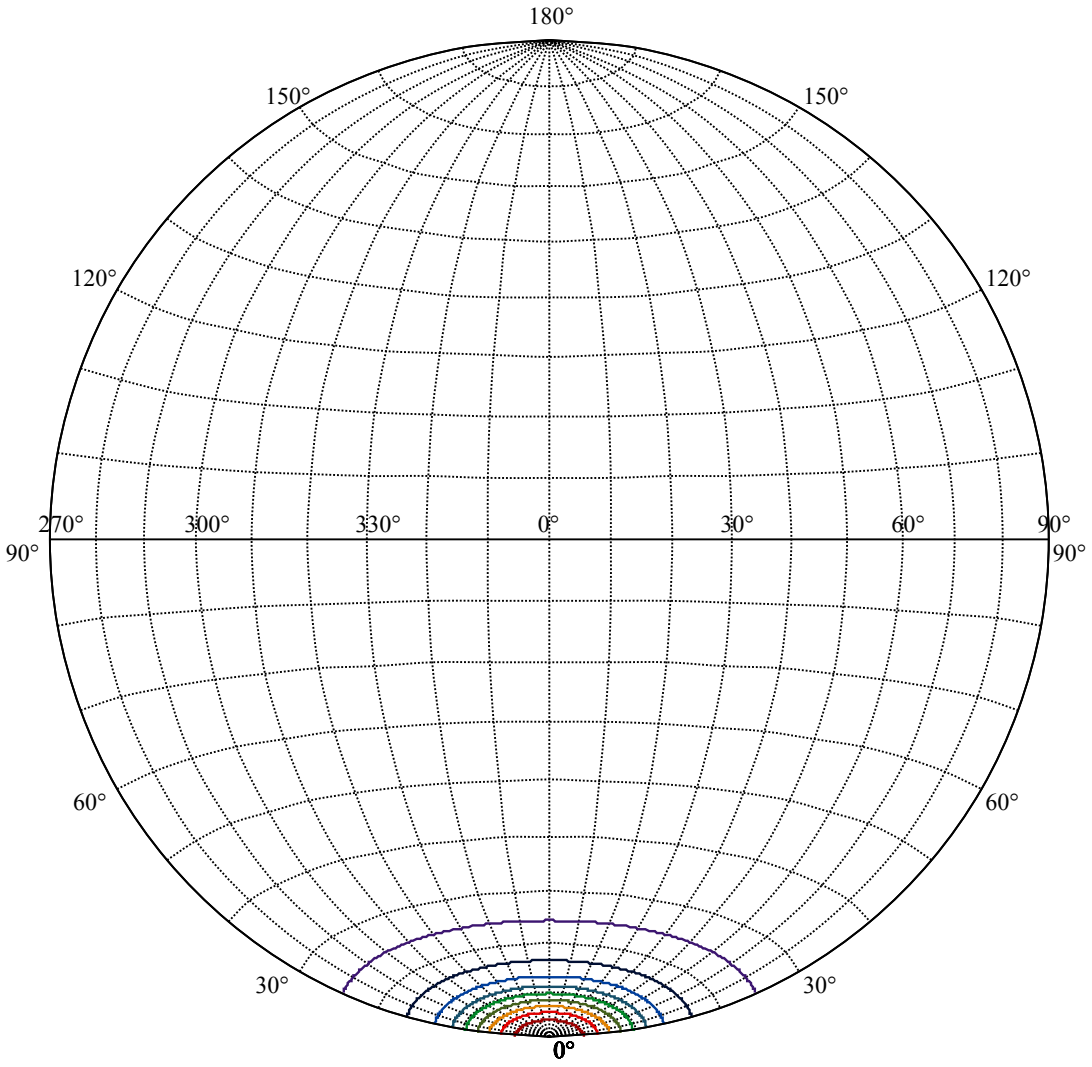


Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/4/02
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

ISO candela diagram on circular web



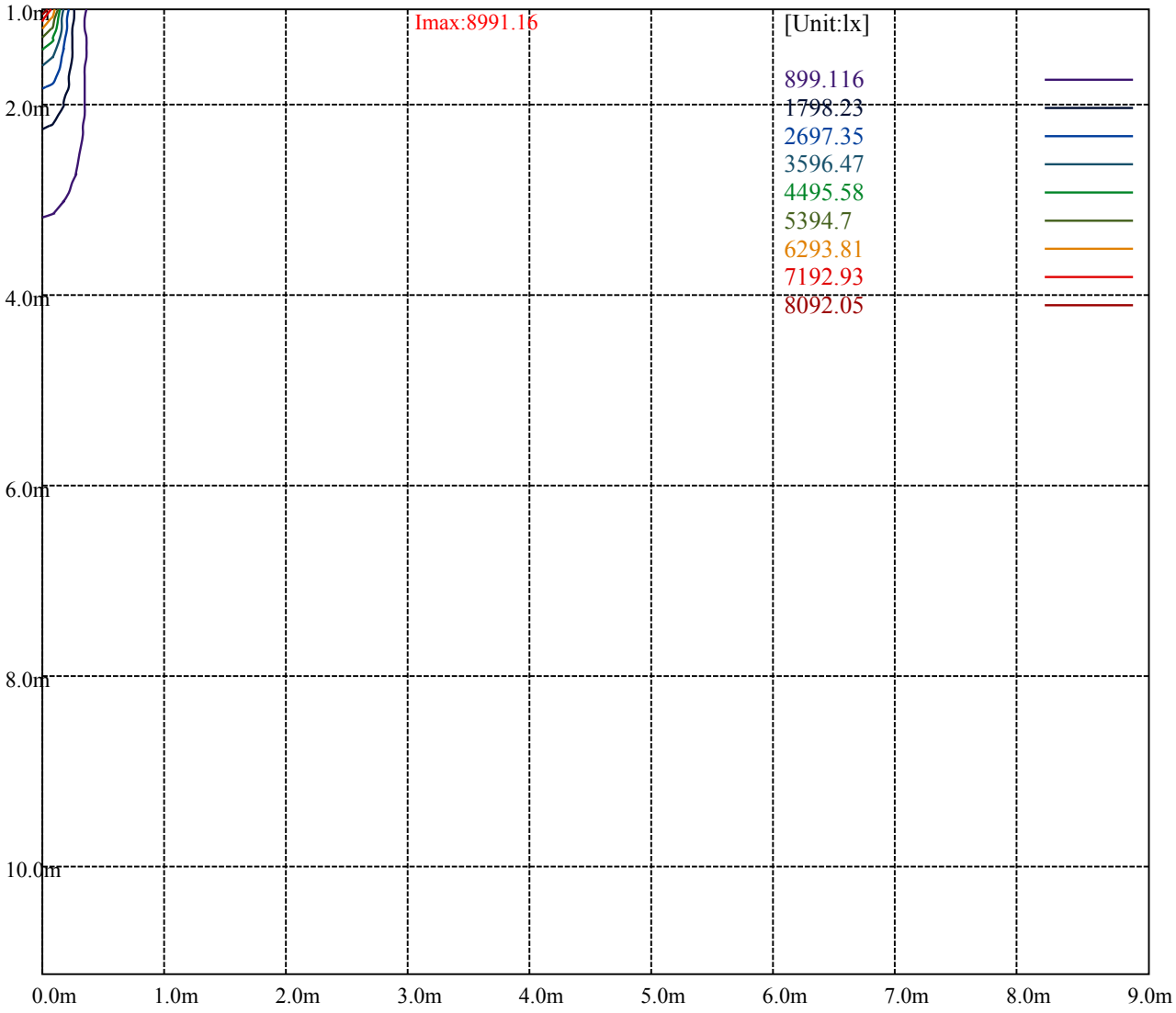
[Unit:cd]

Imax:8991.16

(10%Imax) 899.116
(20%Imax) 1798.23
(30%Imax) 2697.35
(40%Imax) 3596.47
(50%Imax) 4495.58
(60%Imax) 5394.7
(70%Imax) 6293.81
(80%Imax) 7192.93
(90%Imax) 8092.05

Equipment: GMS1980	Date: 2024/4/02	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/4/02
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

NT 2-2678-L

Luminance Limitting Curve(no luminous side)

Luminance Table

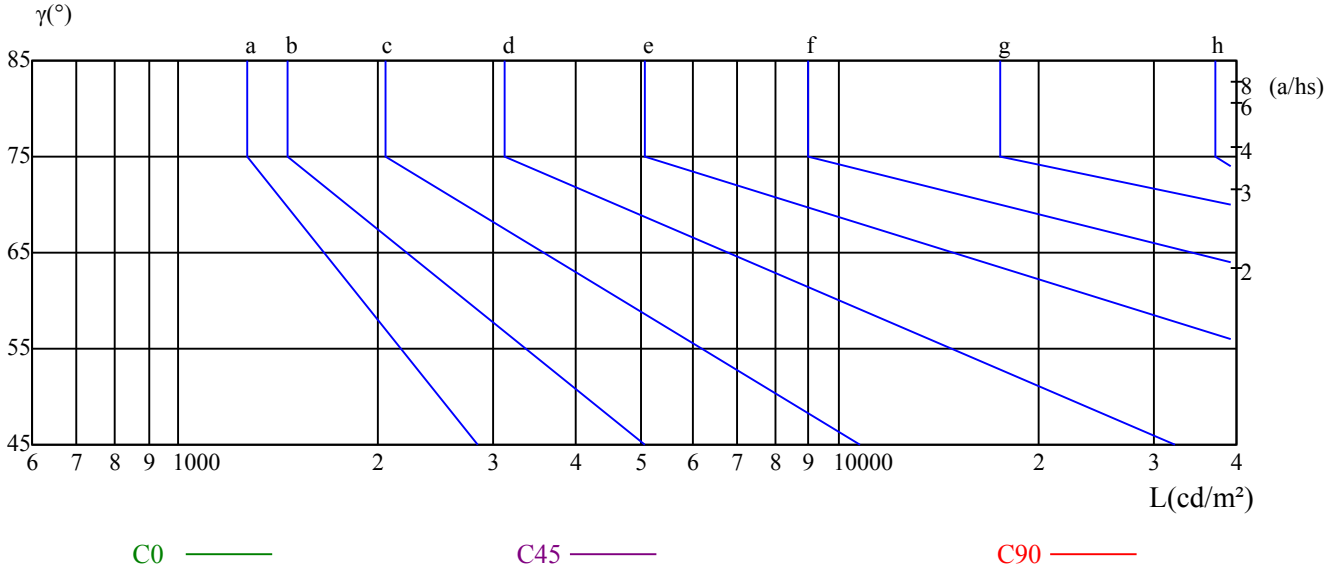
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

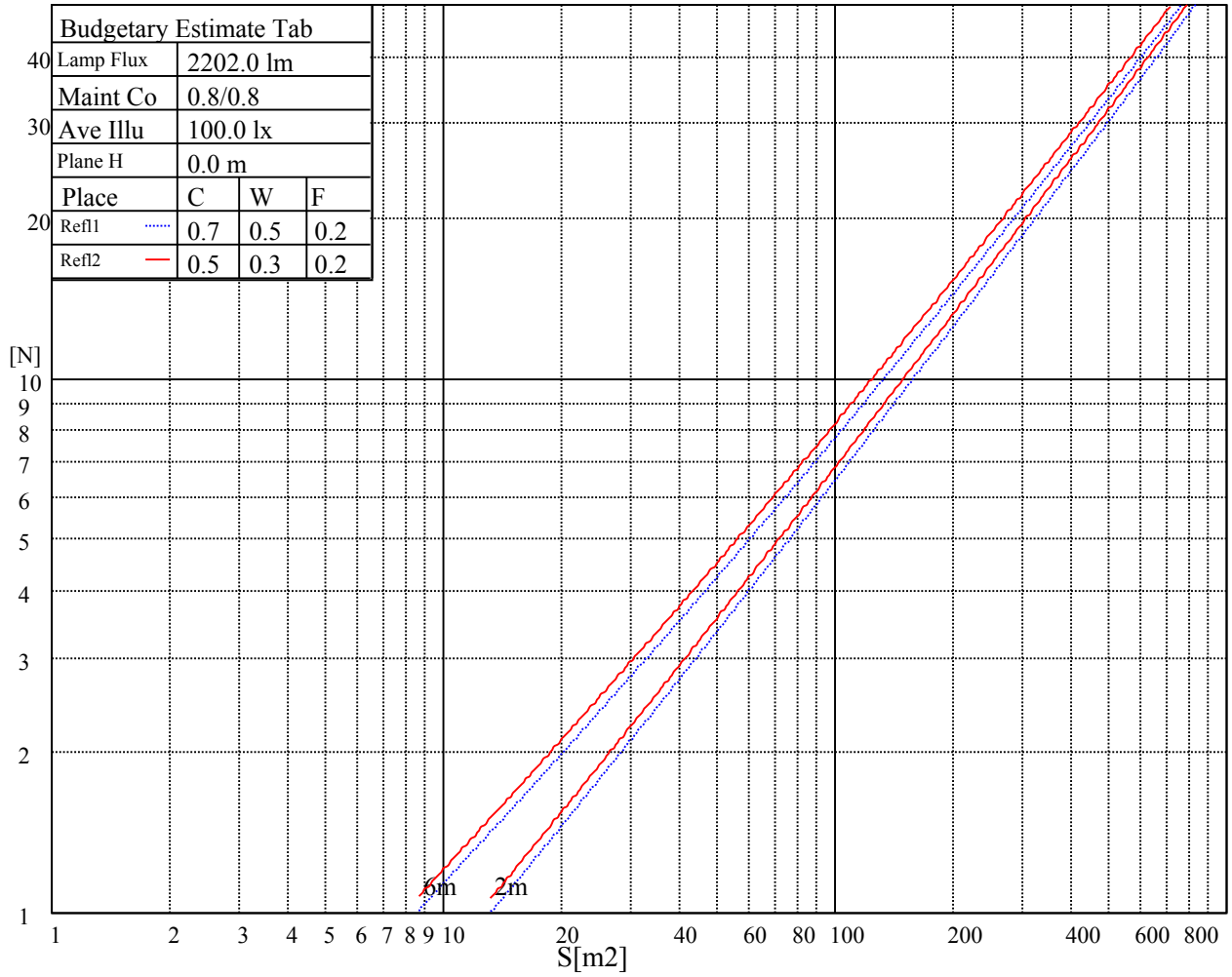
Date: 2024/4/02
Humidity(%): 60.0%

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 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

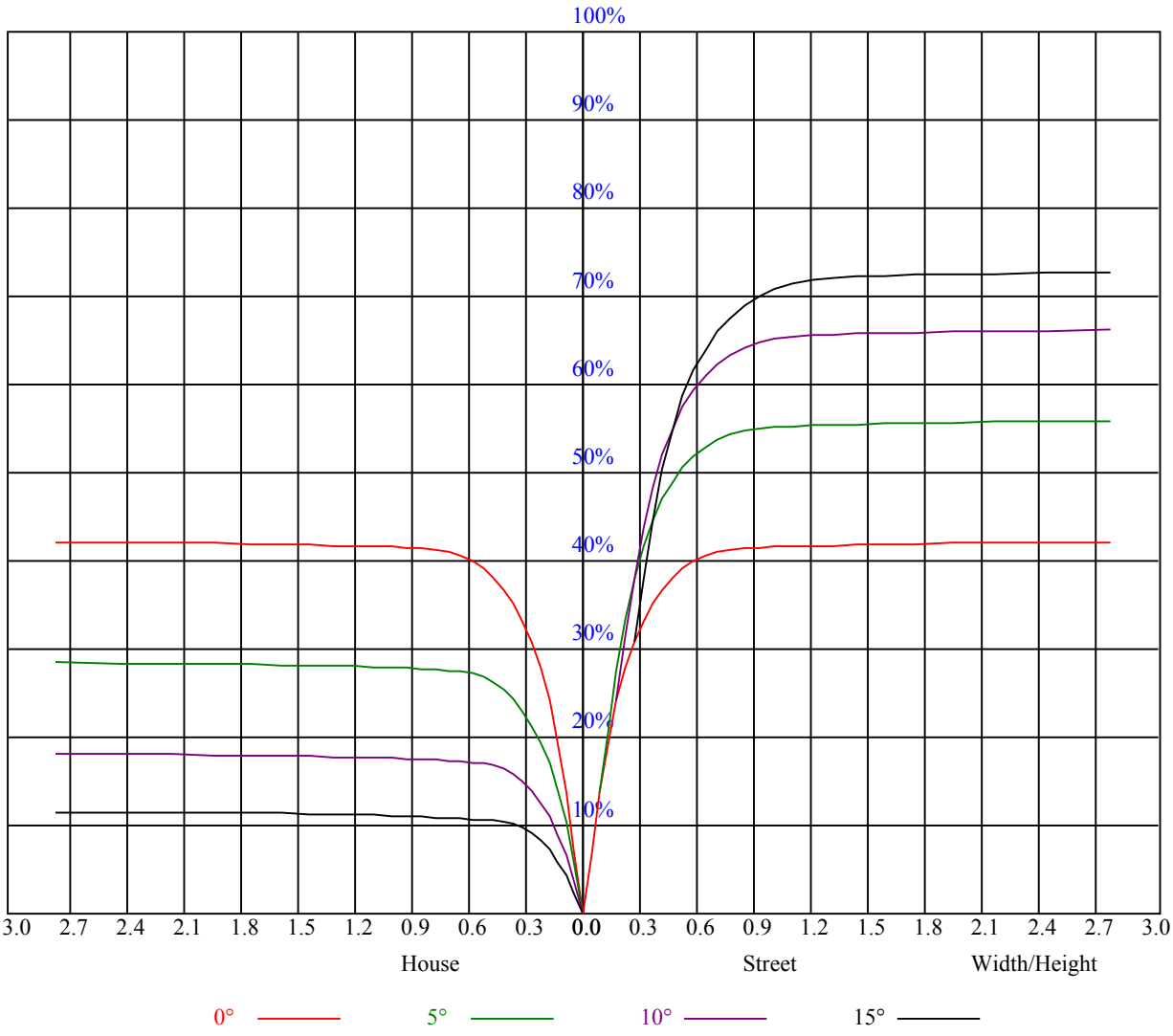


Equipment: GMS1980 Date: 2024/4/02 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

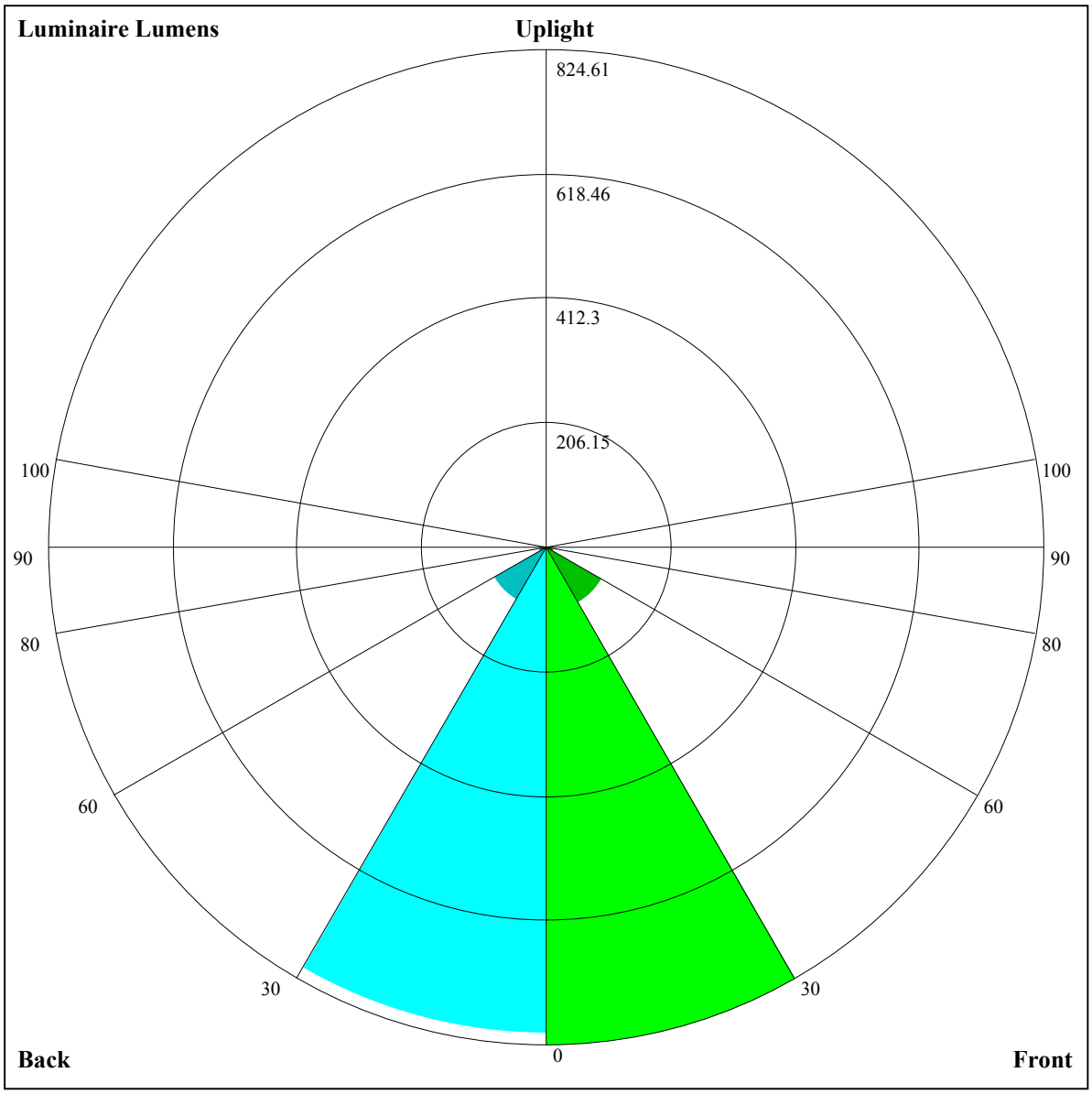
Utilization factor table for indoor luminaire

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

Coefficient Utilization Curve



Equipment: GMS1980	Date: 2024/4/02	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65



Luminaire Lumens:
FL=824.61,FM=105.41,FH=13.57,FVH=4.77
BL=806.83,BM=100.23,BH=12.96,BVH=4.73
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	9019.55	8917.13	8721.08	8424.37	8035.20	7413.69	6865.33	6252.02	5449.67
45.0	8927.67	9033.59	8988.53	8855.10	8519.76	8148.73	7683.48	6999.93	6401.25
90.0	9034.18	9002.57	8834.03	8553.12	8079.67	7605.06	7037.97	6252.60	5602.42
135.0	8983.26	9016.03	8947.56	8766.14	8491.67	7982.53	7459.34	6864.75	6065.92
180.0	9019.55	8987.36	8852.76	8635.64	8192.62	7716.84	7009.30	6380.77	5734.09
225.0	8927.67	8758.54	8489.92	7967.90	7447.05	6862.99	6226.85	5418.07	4774.32
270.0	9034.18	8975.07	8807.69	8446.61	8060.95	7581.06	7016.91	6228.02	5586.62
315.0	8983.26	8852.76	8504.55	8130.59	7684.06	7155.02	6384.86	5742.87	5097.95
360.0	9019.55	8917.13	8721.08	8424.37	8035.20	7413.69	6865.33	6252.02	5449.67

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	4843.38	4271.62	3618.50	3169.64	2786.31	2389.53	2134.37	1913.74	1687.26
45.0	5759.26	5123.12	4390.42	3856.11	3375.64	2956.62	2523.55	2239.13	1999.77
90.0	4962.77	4225.38	3698.68	3237.52	2846.59	2442.79	2173.58	1942.42	1749.30
135.0	5416.90	4779.59	4189.68	3548.86	3105.26	2727.21	2403.58	2074.10	1855.81
180.0	4924.73	4304.97	3760.71	3282.00	2768.17	2426.99	2145.49	1925.45	1673.22
225.0	4172.13	3639.57	3074.25	2700.29	2306.43	2048.35	1834.15	1607.67	1457.27
270.0	4948.14	4204.31	3675.27	3212.94	2723.11	2391.29	2127.35	1861.66	1674.97
315.0	4495.76	3815.73	3344.62	2840.16	2511.26	2234.45	1944.18	1752.81	1590.70
360.0	4843.38	4271.62	3618.50	3169.64	2786.31	2389.53	2134.37	1913.74	1687.26

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1537.44	1409.28	1148.50	1148.50	1084.66	1011.62	943.73	872.34	821.30
45.0	1759.83	1598.31	1426.25	1309.79	1209.72	1123.69	1028.30	963.34	904.82
90.0	1547.98	1415.72	1147.98	1147.98	1085.71	1011.27	930.45	875.44	818.50
135.0	1677.90	1488.87	1363.63	1231.37	1135.40	1054.05	980.90	897.79	842.20
180.0	1513.45	1382.36	1235.47	1133.05	1049.95	961.58	897.21	843.95	780.75
225.0	1165.24	1165.24	1098.23	1016.30	948.36	873.57	819.49	768.40	717.31
270.0	1523.98	1395.82	1251.27	1154.12	1072.19	1000.79	918.86	864.44	807.08
315.0	1422.16	1157.40	1157.40	1115.09	1018.29	953.98	893.81	838.16	771.79
360.0	1537.44	1409.28	1148.50	1148.50	1084.66	1011.62	943.73	872.34	821.30

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	764.71	697.00	641.52	580.19	497.97	433.24	368.69	295.42	240.35
45.0	848.63	783.09	728.08	671.90	596.40	532.03	465.31	399.77	323.10
90.0	753.65	701.33	641.17	583.70	502.65	437.22	374.13	314.79	245.85
135.0	783.09	730.42	658.44	601.67	541.39	477.02	396.84	338.32	296.18
180.0	725.74	675.99	622.74	547.24	479.94	424.35	343.00	297.35	297.35
225.0	650.59	594.00	531.21	468.36	388.47	329.89	263.88	215.01	171.76
270.0	740.95	686.53	611.03	550.17	482.87	416.15	340.07	296.18	296.18
315.0	715.26	656.39	580.37	514.47	448.69	367.81	309.58	256.21	196.75
360.0	764.71	697.00	641.52	580.19	497.97	433.24	368.69	295.42	240.35

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	191.54	149.12	106.63	80.94	62.79	47.17	38.86	32.95	28.85
45.0	295.60	295.60	154.73	118.16	83.45	64.02	50.68	41.08	33.12
90.0	196.23	153.39	109.61	82.81	64.08	47.93	38.98	32.89	28.09
135.0	296.18	173.52	126.29	96.68	73.97	54.60	43.95	36.64	31.54
180.0	184.05	137.35	103.88	75.44	58.99	46.23	38.27	31.72	28.21
225.0	125.30	96.68	73.74	57.00	42.78	35.29	30.26	26.86	24.05
270.0	181.95	134.19	102.94	78.30	60.10	44.54	36.23	30.61	26.16
315.0	155.38	120.50	93.40	67.89	53.43	43.13	35.99	29.96	26.80
360.0	191.54	149.12	106.63	80.94	62.79	47.17	38.86	32.95	28.85

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	25.52	23.64	22.24	21.01	20.25	19.61	19.20	19.02	18.90
45.0	28.91	26.04	23.94	22.00	20.83	19.96	19.20	18.84	18.55
90.0	25.46	23.41	21.95	20.54	19.72	19.08	18.61	18.32	18.26
135.0	27.33	24.99	23.29	21.95	20.66	20.01	19.49	19.08	18.84
180.0	25.81	23.58	22.24	21.24	20.42	19.84	19.37	19.08	19.02
225.0	22.47	21.24	20.01	19.37	18.90	18.49	18.32	18.32	18.32
270.0	23.76	22.00	20.42	19.49	18.61	18.14	17.85	17.67	17.67
315.0	24.52	22.47	21.30	20.19	19.55	19.14	18.67	18.55	18.49
360.0	25.52	23.64	22.24	21.01	20.25	19.61	19.20	19.02	18.90

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	18.84	18.84	18.90	18.90	18.79	18.61	18.14	17.67	16.97
45.0	18.49	18.43	18.55	18.67	18.79	18.73	18.61	18.26	17.85
90.0	18.14	18.26	18.20	18.43	18.32	18.20	17.85	17.44	16.85
135.0	18.79	18.79	18.96	18.90	19.08	19.02	18.90	18.43	17.85
180.0	18.84	19.02	18.96	19.08	18.96	18.79	18.32	17.85	17.21
225.0	18.43	18.49	18.67	18.67	18.55	18.08	17.67	16.80	16.04
270.0	17.73	17.85	17.97	18.14	18.20	18.08	17.73	17.26	16.56
315.0	18.55	18.55	18.67	18.61	18.49	18.20	17.73	17.21	16.27
360.0	18.84	18.84	18.90	18.90	18.79	18.61	18.14	17.67	16.97

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	16.21	15.10	14.22	13.46	12.82	13.05	14.10	15.68	14.92
45.0	17.21	16.44	15.33	14.34	13.46	12.58	12.11	11.65	11.35
90.0	16.09	15.04	14.05	13.23	12.47	11.88	11.47	11.18	10.89
135.0	17.15	16.33	15.39	14.16	13.34	12.76	12.17	11.82	11.65
180.0	16.39	15.27	14.28	13.46	12.64	12.17	11.70	11.59	11.41
225.0	14.81	13.87	12.99	12.23	11.76	11.41	11.06	10.83	10.65
270.0	15.63	14.63	13.75	12.76	12.17	11.70	11.47	11.18	10.94
315.0	15.39	14.46	13.46	12.82	12.35	11.88	11.65	11.82	12.47
360.0	16.21	15.10	14.22	13.46	12.82	13.05	14.10	15.68	14.92

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	14.86	16.44	14.05	15.45	13.58	13.64	12.52	12.29	11.41
45.0	11.12	10.83	10.65	10.48	10.30	10.18	10.01	9.83	9.66
90.0	10.83	11.12	11.06	11.00	11.53	11.29	11.12	10.65	10.01
135.0	12.23	12.70	12.93	13.75	13.64	13.87	13.40	12.87	12.11
180.0	11.24	10.89	10.59	10.36	10.18	10.01	9.89	9.71	9.54
225.0	10.48	10.24	10.12	10.01	9.83	9.66	9.48	9.36	9.19
270.0	10.83	10.83	10.83	11.35	11.24	11.29	10.94	10.36	9.77
315.0	13.05	14.22	14.16	14.69	14.16	14.28	12.99	11.35	10.48
360.0	14.86	16.44	14.05	15.45	13.58	13.64	12.52	12.29	11.41

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	10.48	9.36	9.07	8.84	8.66	8.49	8.25	8.13	8.02
45.0	9.54	9.31	9.19	9.01	8.84	8.72	8.37	8.25	8.13
90.0	9.42	9.13	8.90	8.78	8.49	8.37	8.19	8.13	8.02
135.0	10.89	9.42	9.13	8.95	8.66	8.49	8.31	8.19	8.13
180.0	9.36	9.13	8.95	8.78	8.54	8.31	8.19	8.08	7.96
225.0	9.07	8.90	8.72	8.54	8.31	8.19	8.08	7.96	7.90
270.0	9.25	8.90	8.78	8.60	8.54	8.31	8.19	8.08	7.96
315.0	9.36	9.07	8.90	8.72	8.54	8.25	8.13	8.02	7.96
360.0	10.48	9.36	9.07	8.84	8.66	8.49	8.25	8.13	8.02

Intensity data(cd)

C/γ(°)	90.0
0.0	7.96
45.0	8.02
90.0	7.96
135.0	7.96
180.0	7.96
225.0	7.96
270.0	7.96
315.0	7.96
360.0	7.96