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NT

Client:
LumCAT: 2-2678-L
Luminaire: 92.70.411.00
Report No: 2024402-B002
Ballast type: AC

Test No: 2024402-C002	Voltage(V): 35.180
LampCAT: LUMILEDS LUXEON 1205	Current(A): 0.485
Lamp flux(lm): 2202.0	Power (W): 17.062
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 1866.79, Efficiency(%): 84.78% , Luminous Efficacy(lm/W): 109.41
Central intensity(cd): 8923.569, Maximum intensity(cd): 8923.569
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=49.2
[C90/270]Total=49.2
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(%): 84.78%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 97.891%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	8923.569	0.000	0	0.00%	0.00%
1.0	8869.655	8.514	8.514	0.39%	0.46%
2.0	8706.158	25.226	33.74	1.15%	1.81%
3.0	8448.074	41.027	74.767	1.86%	4.01%
4.0	8042.879	55.200	129.968	2.51%	6.96%
5.0	7543.316	67.051	197.019	3.05%	10.55%
6.0	6904.689	75.928	272.947	3.45%	14.62%
7.0	6271.110	81.782	354.729	3.71%	19.00%
8.0	5599.491	84.956	439.685	3.86%	23.55%
9.0	4873.666	84.879	524.564	3.85%	28.10%
10.0	4254.644	82.608	607.172	3.75%	32.52%
11.0	3671.687	79.200	686.372	3.60%	36.77%
12.0	3187.779	74.984	761.356	3.41%	40.78%
13.0	2770.953	70.715	832.071	3.21%	44.57%
14.0	2417.184	66.408	898.479	3.02%	48.13%
15.0	2151.272	62.718	961.197	2.85%	51.49%
16.0	1907.014	59.465	1020.662	2.70%	54.67%
17.0	1700.649	56.181	1076.843	2.55%	57.68%
18.0	1511.029	52.954	1129.796	2.40%	60.52%
19.0	1354.467	49.854	1179.65	2.26%	63.19%
20.0	1233.844	47.373	1227.024	2.15%	65.73%
21.0	1155.329	45.877	1272.9	2.08%	68.19%
22.0	1065.863	44.636	1317.536	2.03%	70.58%
23.0	987.179	43.078	1360.615	1.96%	72.89%
24.0	928.459	41.883	1402.497	1.90%	75.13%
25.0	872.475	40.949	1443.447	1.86%	77.32%
26.0	822.248	40.004	1483.451	1.82%	79.47%
27.0	773.843	39.049	1522.5	1.77%	81.56%
28.0	708.217	37.523	1560.022	1.70%	83.57%
29.0	638.356	35.230	1595.252	1.60%	85.45%
30.0	560.975	32.382	1627.634	1.47%	87.19%
31.0	488.992	29.219	1656.853	1.33%	88.75%
32.0	415.064	25.900	1682.753	1.18%	90.14%
33.0	344.954	22.390	1705.144	1.02%	91.34%
34.0	284.756	19.057	1724.201	0.87%	92.36%
35.0	243.081	16.393	1740.593	0.74%	93.24%
36.0	179.840	13.466	1754.059	0.61%	93.96%
37.0	110.308	9.463	1763.522	0.43%	94.47%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	75.721	6.209	1769.731	0.28%	94.80%
39.0	57.491	4.547	1774.278	0.21%	95.04%
40.0	50.264	3.758	1778.036	0.17%	95.25%
41.0	46.255	3.437	1781.473	0.16%	95.43%
42.0	42.524	3.225	1784.699	0.15%	95.60%
43.0	39.751	3.048	1787.747	0.14%	95.77%
44.0	37.396	2.912	1790.658	0.13%	95.92%
45.0	35.099	2.786	1793.444	0.13%	96.07%
46.0	33.021	2.664	1796.108	0.12%	96.21%
47.0	31.119	2.551	1798.659	0.12%	96.35%
48.0	29.634	2.456	1801.115	0.11%	96.48%
49.0	28.222	2.376	1803.491	0.11%	96.61%
50.0	26.994	2.302	1805.793	0.10%	96.73%
51.0	26.050	2.244	1808.038	0.10%	96.85%
52.0	25.289	2.203	1810.241	0.10%	96.97%
53.0	24.696	2.174	1812.415	0.10%	97.09%
54.0	24.236	2.157	1814.572	0.10%	97.20%
55.0	23.936	2.150	1816.722	0.10%	97.32%
56.0	23.665	2.151	1818.873	0.10%	97.43%
57.0	23.380	2.151	1821.024	0.10%	97.55%
58.0	23.058	2.147	1823.171	0.10%	97.66%
59.0	22.582	2.134	1825.305	0.10%	97.78%
60.0	22.012	2.107	1827.412	0.10%	97.89%
61.0	21.185	2.061	1829.473	0.09%	98.00%
62.0	20.176	1.993	1831.466	0.09%	98.11%
63.0	19.005	1.906	1833.372	0.09%	98.21%
64.0	17.762	1.804	1835.176	0.08%	98.31%
65.0	16.503	1.696	1836.872	0.08%	98.40%
66.0	15.274	1.586	1838.457	0.07%	98.48%
67.0	14.258	1.485	1839.942	0.07%	98.56%
68.0	13.563	1.409	1841.352	0.06%	98.64%
69.0	13.219	1.366	1842.718	0.06%	98.71%
70.0	13.138	1.354	1844.071	0.06%	98.78%
71.0	12.941	1.348	1845.419	0.06%	98.86%
72.0	12.816	1.339	1846.759	0.06%	98.93%
73.0	13.036	1.352	1848.111	0.06%	99.00%
74.0	12.597	1.348	1849.458	0.06%	99.07%
75.0	12.809	1.342	1850.8	0.06%	99.14%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	12.414	1.339	1852.139	0.06%	99.22%
77.0	12.282	1.317	1853.456	0.06%	99.29%
78.0	11.785	1.288	1854.744	0.06%	99.35%
79.0	11.236	1.237	1855.981	0.06%	99.42%
80.0	10.629	1.179	1857.16	0.05%	99.48%
81.0	9.985	1.115	1858.275	0.05%	99.54%
82.0	9.444	1.054	1859.329	0.05%	99.60%
83.0	9.151	1.011	1860.34	0.05%	99.65%
84.0	8.932	0.985	1861.325	0.04%	99.71%
85.0	8.691	0.962	1862.286	0.04%	99.76%
86.0	8.442	0.936	1863.223	0.04%	99.81%
87.0	8.244	0.913	1864.136	0.04%	99.86%
88.0	8.113	0.896	1865.032	0.04%	99.91%
89.0	7.981	0.882	1865.914	0.04%	99.95%
90.0	7.944	0.873	1866.787	0.04%	100.00%

Zonal flux distribution table

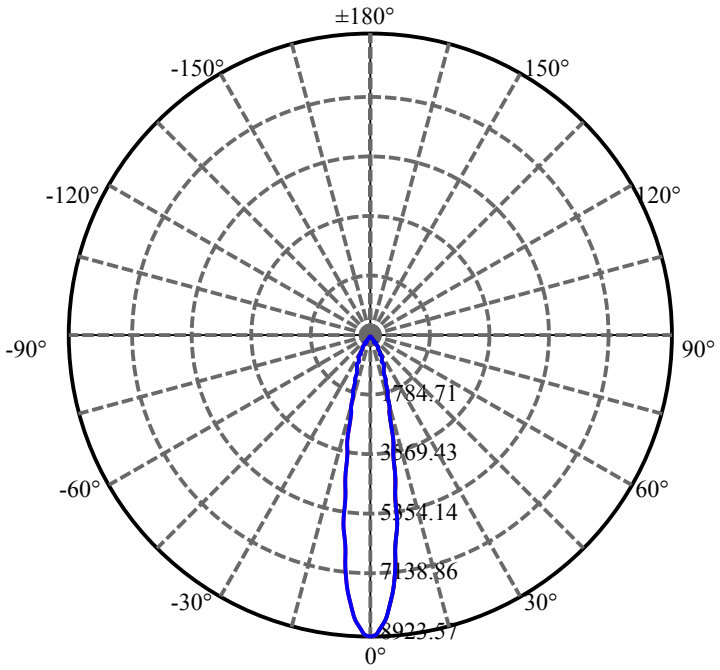
ZONAL LUMEN SUMMARY

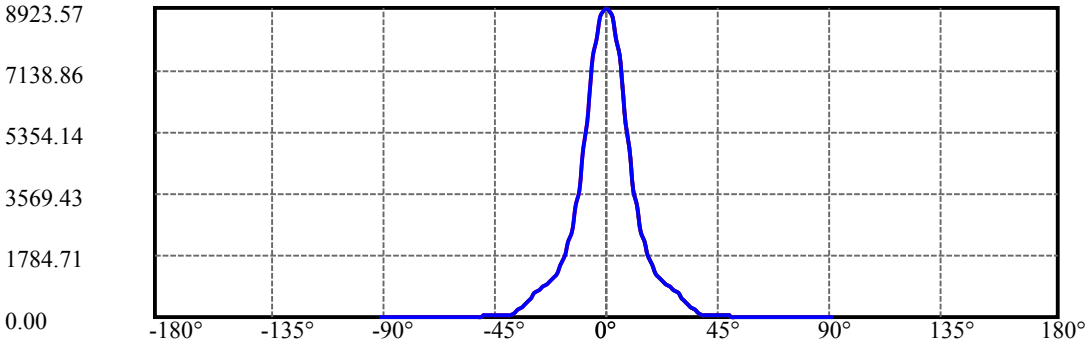
Zone	Lumens	%Lamp	%Fixt
0-30	1627.63	73.92%	87.19%
0-40	1778.04	80.75%	95.25%
0-60	1827.41	82.99%	97.89%
0-90	1865.91	84.74%	99.95%
0-120	1865.91	84.74%	99.95%
0-180	1866.79	84.78%	100.00%
60-90	38.50	1.75%	2.06%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-26.26	1493.43	67.82%	80.00%

ZONAL LUMEN SUMMARY

0-10	607.17
10-20	619.85
20-30	400.61
30-40	150.40
40-50	27.76
50-60	21.62
60-70	16.66
70-80	13.09
80-90	8.75
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):

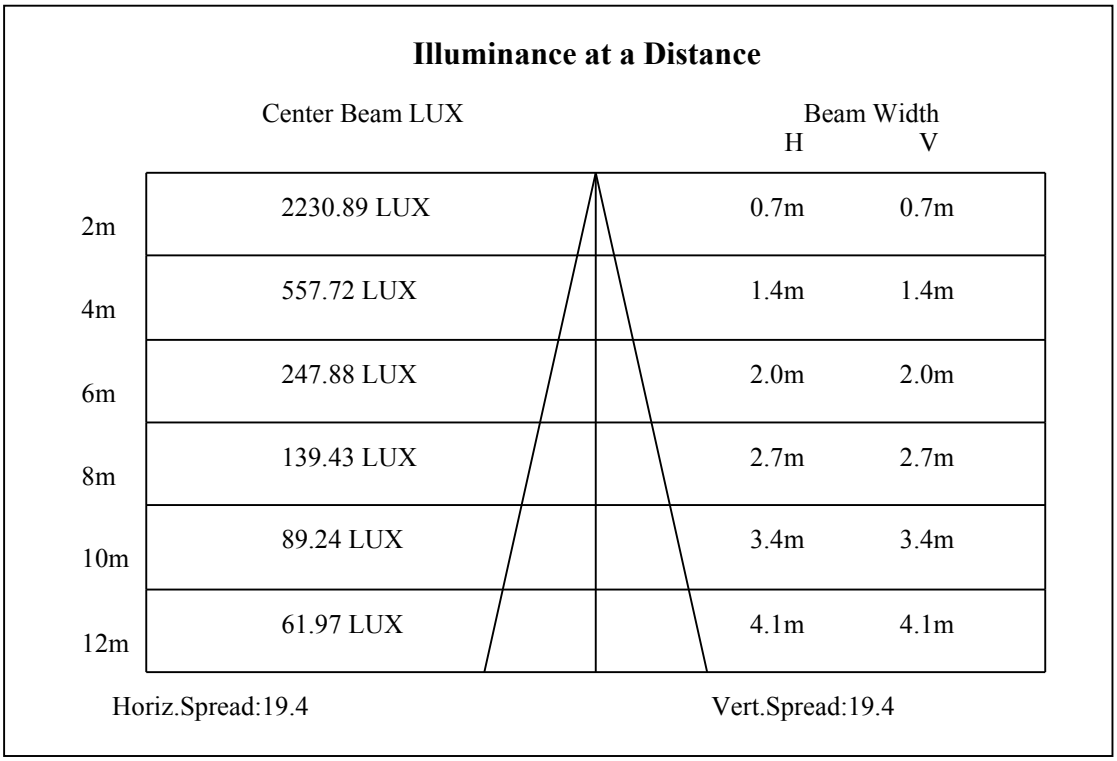
C0/C180:

C90/C270:

Field angle(10%Imax):C0/180Left:24.6 Right:24.6
:C90/270Left:24.6 Right:24.6

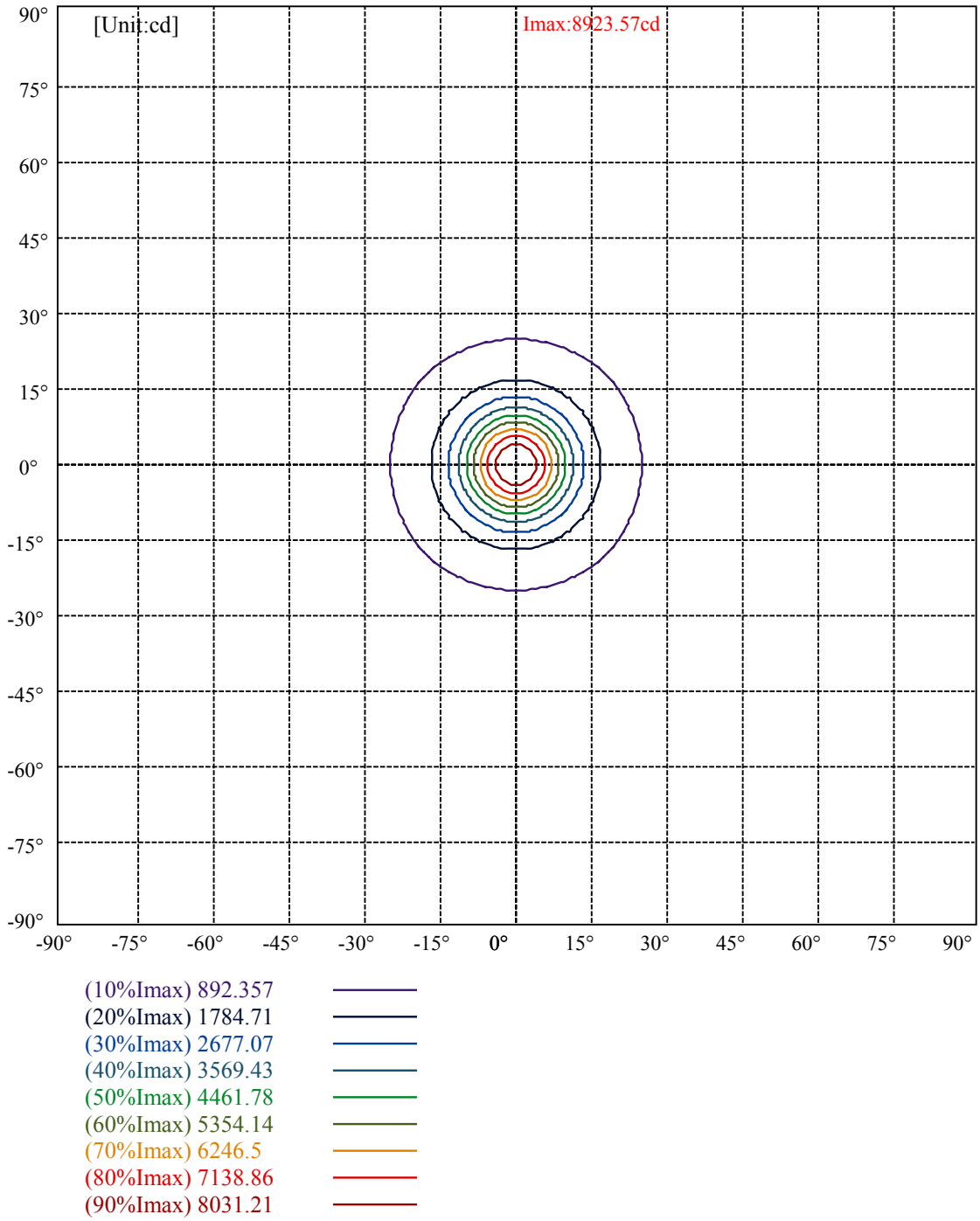
Beam Angle(50%Imax):C0/180Left:9.7 Right:9.7
:C90/270Left:9.7 Right:9.7

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)

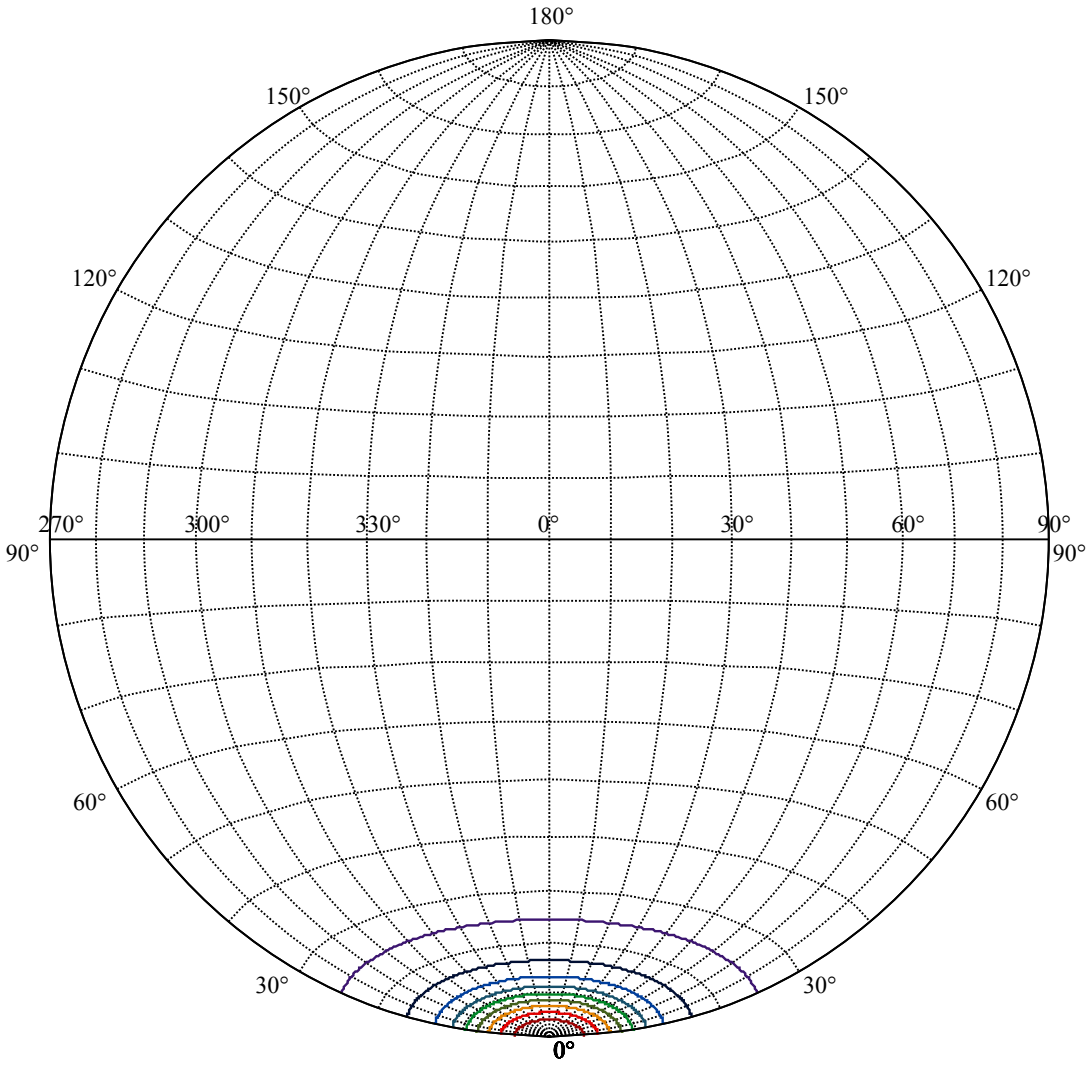


Equipment: GMS1980
Temperature(°C): 25.0

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

Operator: NT07
Distance(m): 7.65

ISO candela diagram on circular web



[Unit:cd]

Imax:8923.57

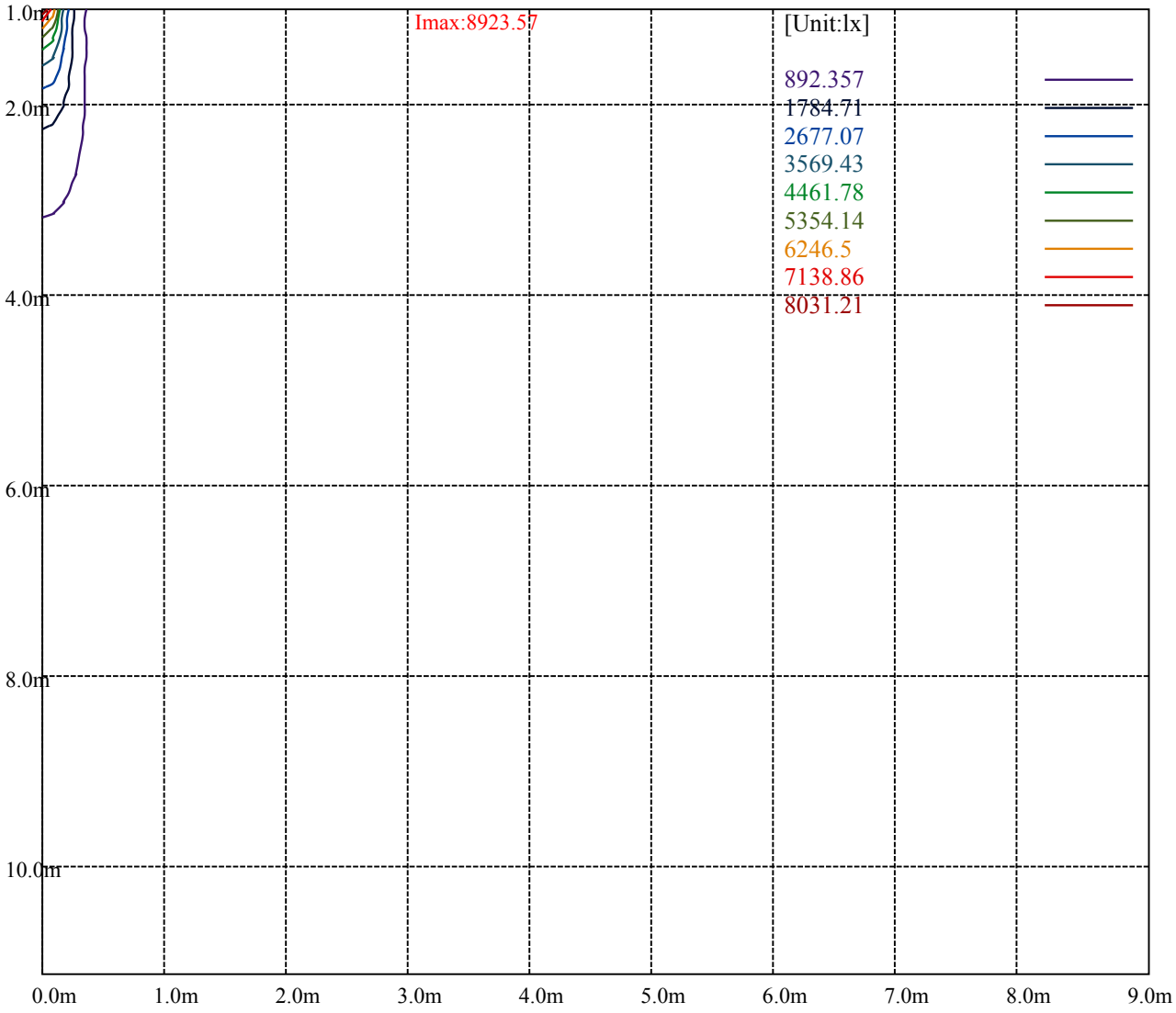
(10%Imax) 892.357
(20%Imax) 1784.71
(30%Imax) 2677.07
(40%Imax) 3569.43
(50%Imax) 4461.78
(60%Imax) 5354.14
(70%Imax) 6246.5
(80%Imax) 7138.86
(90%Imax) 8031.21

Equipment: GMS1980
Temperature(°C): 25.0

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

Operator: NT07
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

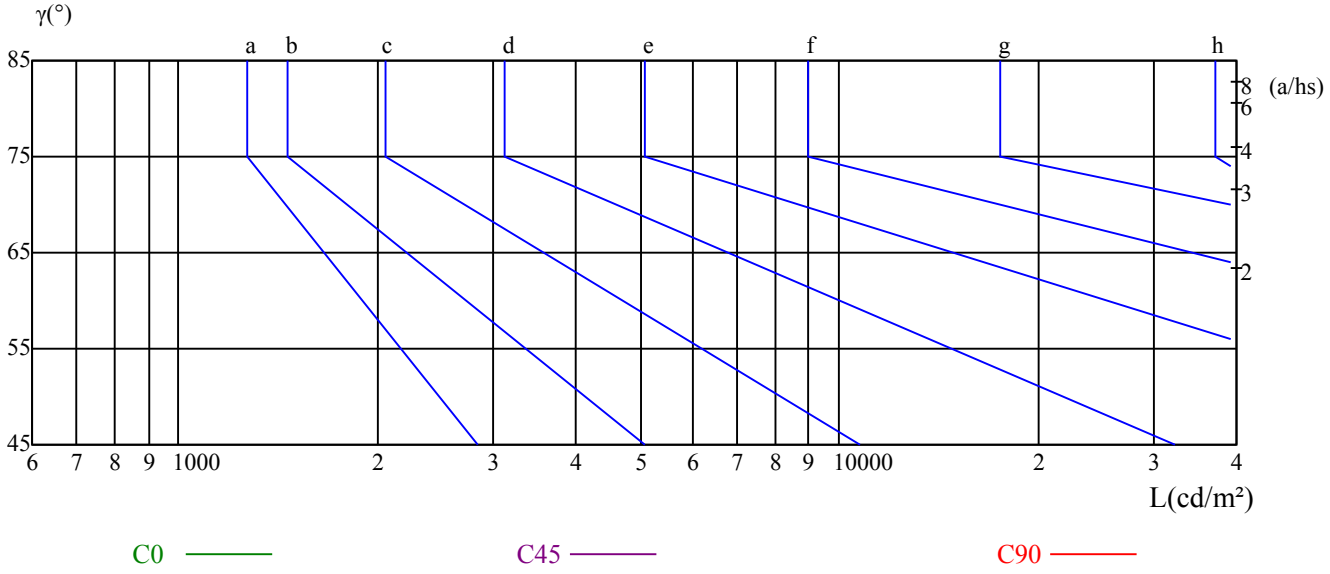
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

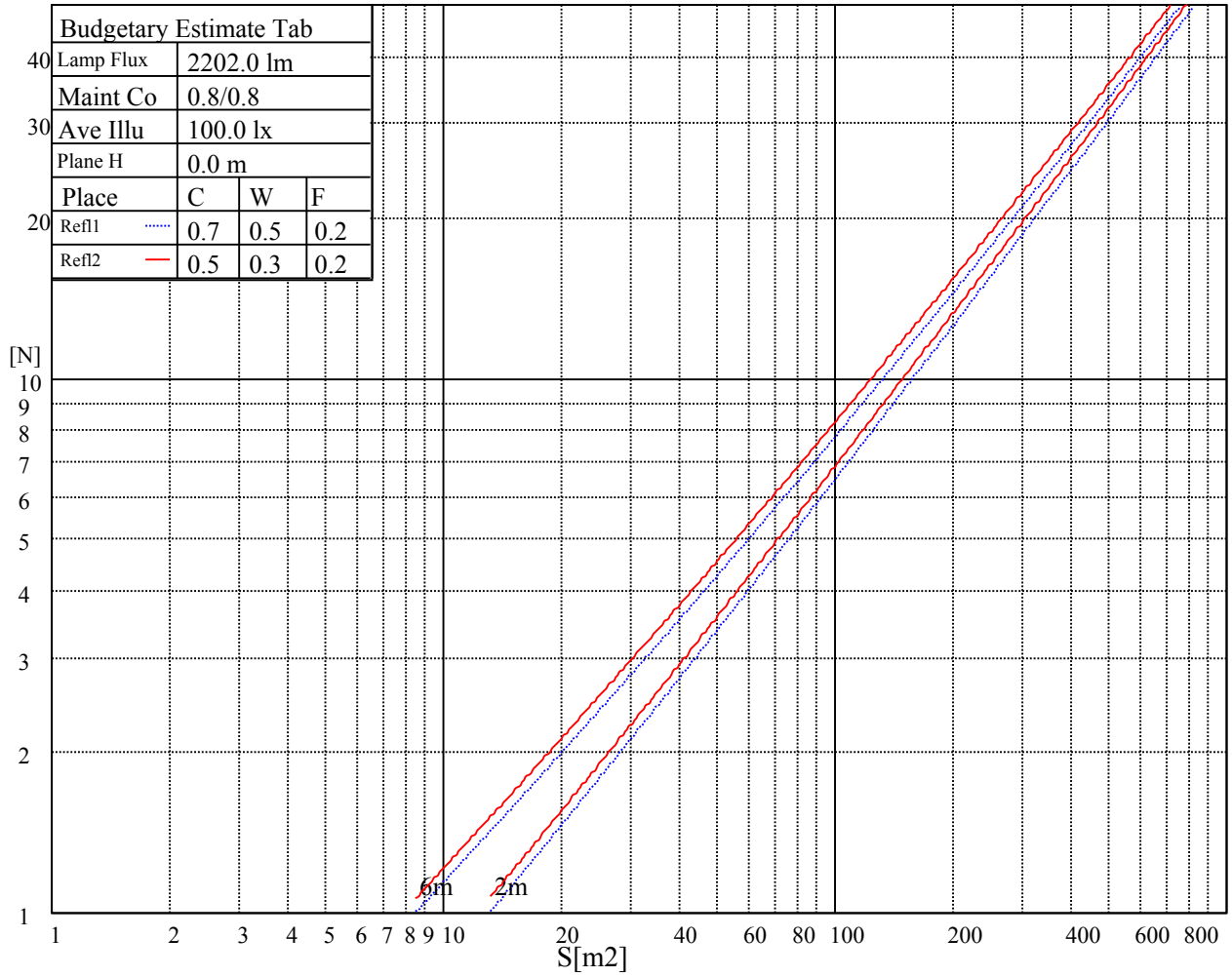
Date: 2024/4/02
Humidity(%): 60.0%

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

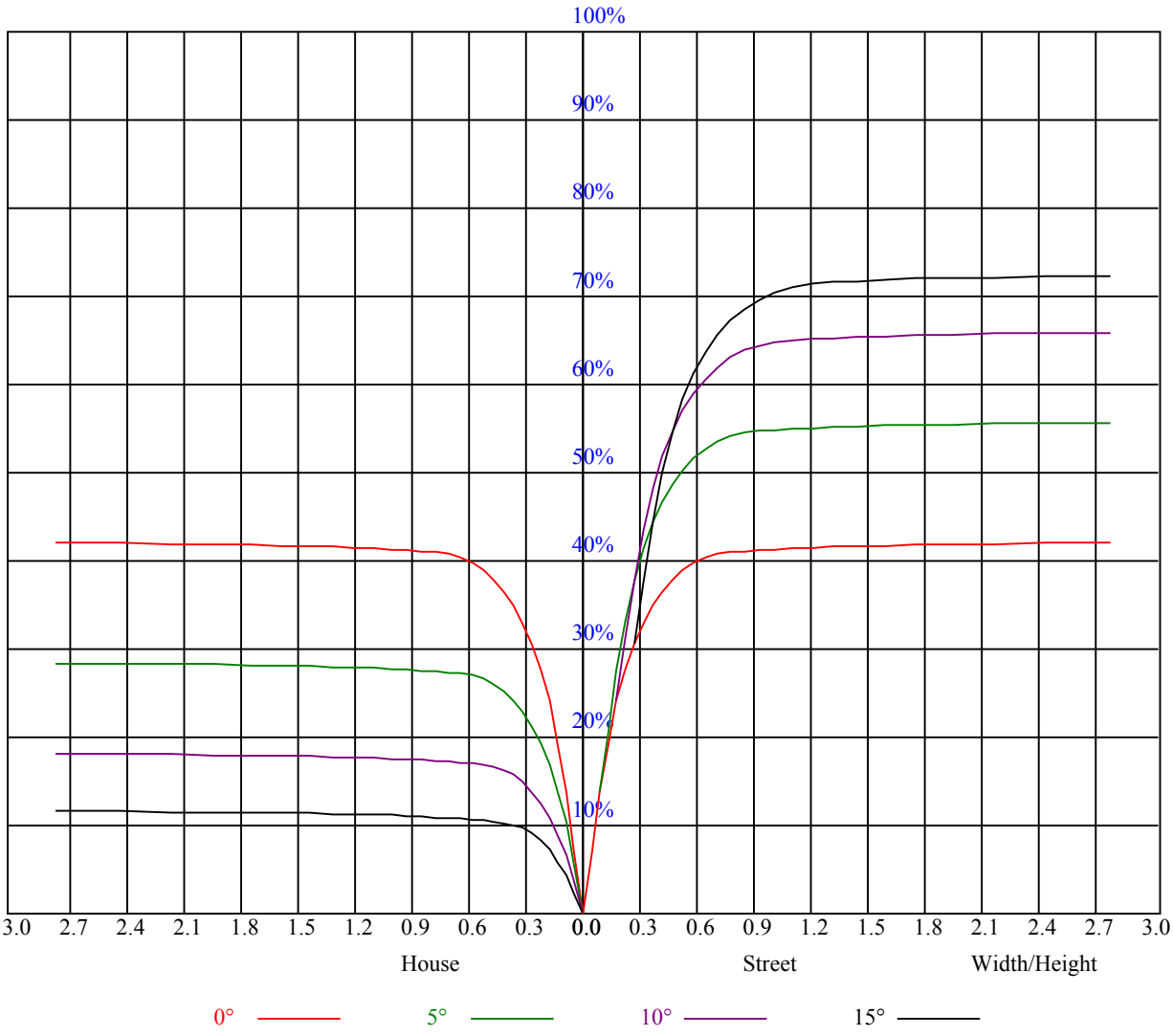


Equipment: GMS1980 Date: 2024/4/02 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

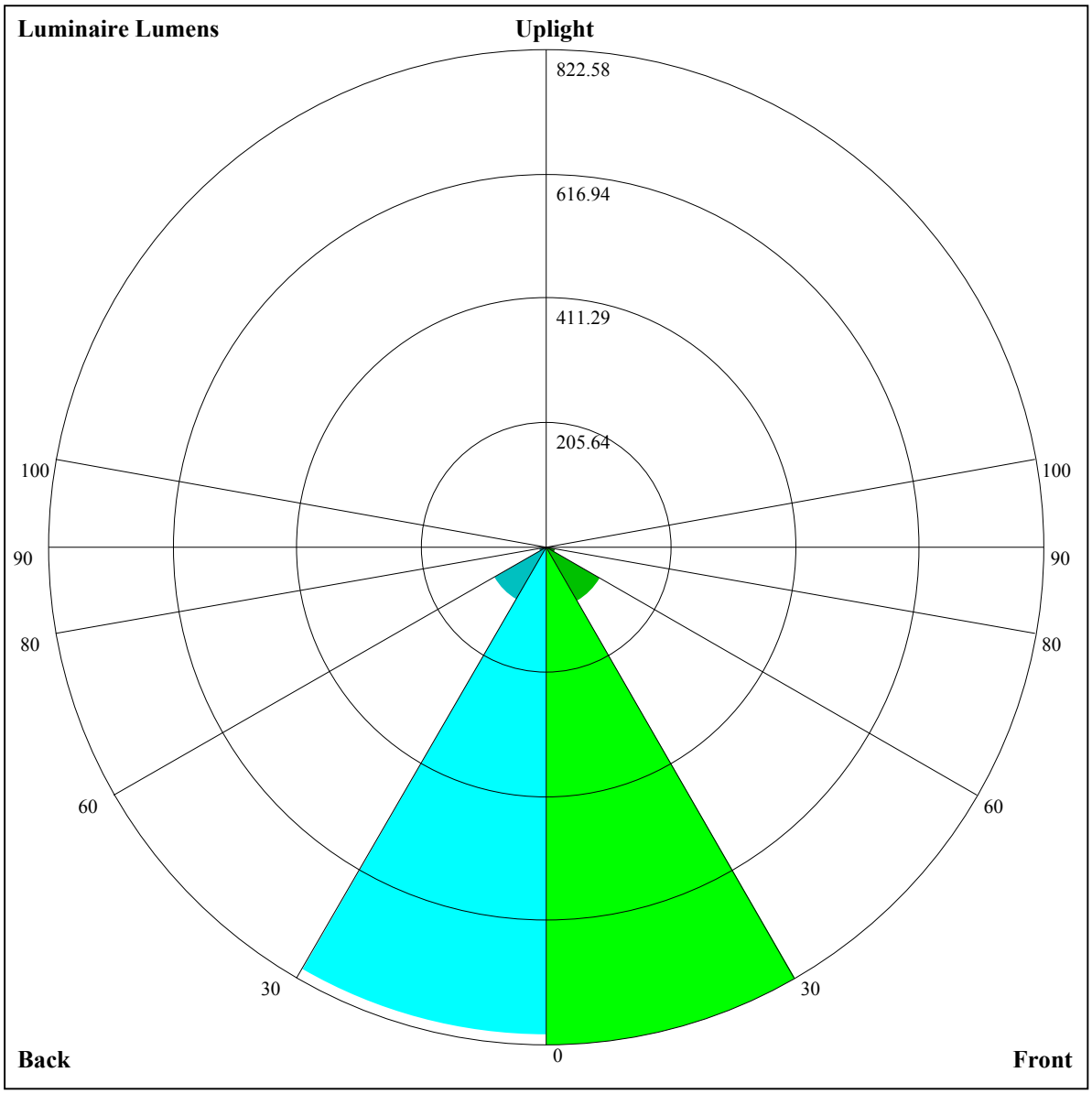
Utilization factor table for indoor luminaire

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	0.91	0.93	0.91	0.90	0.90	0.88	0.87	0.86	0.85	0.84	0.84	0.83	0.82	0.81
2	0.90	0.87	0.84	0.88	0.86	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	0.82	0.79	0.84	0.81	0.78	0.82	0.79	0.77	0.80	0.78	0.76	0.78	0.76	0.75	0.73
4	0.81	0.77	0.74	0.80	0.77	0.74	0.79	0.76	0.73	0.77	0.74	0.72	0.75	0.73	0.72	0.70
5	0.78	0.74	0.71	0.77	0.73	0.70	0.76	0.72	0.70	0.74	0.71	0.69	0.73	0.71	0.69	0.68
6	0.75	0.71	0.68	0.74	0.70	0.67	0.73	0.69	0.67	0.72	0.69	0.67	0.71	0.68	0.66	0.65
7	0.72	0.68	0.65	0.71	0.67	0.65	0.70	0.67	0.64	0.69	0.66	0.64	0.68	0.66	0.64	0.63
8	0.69	0.65	0.62	0.69	0.65	0.62	0.68	0.65	0.62	0.67	0.64	0.62	0.66	0.64	0.62	0.61
9	0.67	0.63	0.60	0.66	0.63	0.60	0.66	0.62	0.60	0.65	0.62	0.60	0.64	0.62	0.60	0.59
10	0.65	0.61	0.58	0.64	0.61	0.58	0.64	0.60	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=822.58,FM=103.59,FH=15.16,FVH=4.85
BL=806.07,BM=99.05,BH=14.44,BVH=4.8
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	8939.96	8858.61	8683.63	8423.20	7924.01	7440.61	6744.19	6152.53	5531.02
45.0	8882.02	8936.44	8903.67	8766.73	8463.00	8106.60	7654.80	6956.04	6353.26
90.0	8953.42	8913.62	8694.75	8407.99	8035.78	7546.53	6819.69	6189.98	5565.55
135.0	8918.89	8927.67	8870.90	8690.65	8351.80	7944.49	7406.67	6817.34	6015.59
180.0	8939.96	8889.04	8777.26	8539.08	8194.96	7612.67	7056.12	6421.15	5776.23
225.0	8882.02	8742.73	8438.42	8045.73	7567.60	6997.01	6198.18	5542.72	4883.18
270.0	8953.42	8908.35	8747.42	8495.18	8152.24	7579.89	7002.28	6363.80	5576.67
315.0	8918.89	8780.77	8533.22	8216.03	7653.63	7118.74	6355.60	5725.31	5094.44
360.0	8939.96	8858.61	8683.63	8423.20	7924.01	7440.61	6744.19	6152.53	5531.02

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	4758.52	4159.25	3636.06	3188.36	2714.33	2400.65	2141.40	1924.28	1695.46
45.0	5589.54	4965.11	4354.72	3682.29	3232.26	2837.23	2503.07	2163.05	1941.25
90.0	4920.05	4165.10	3634.31	3190.71	2720.77	2409.43	2149.59	1878.63	1698.97
135.0	5380.03	4742.14	3999.49	3499.70	3072.49	2618.36	2321.06	2065.32	1800.80
180.0	4955.16	4324.87	3639.57	3180.76	2785.73	2369.05	2103.94	1884.48	1686.68
225.0	4121.80	3595.10	3042.64	2672.78	2364.37	2044.25	1832.40	1649.22	1488.87
270.0	4948.14	4319.60	3764.23	3181.93	2789.24	2441.62	2173.00	1897.94	1707.75
315.0	4316.09	3765.98	3302.48	2905.70	2488.44	2216.89	1985.73	1793.19	1585.43
360.0	4758.52	4159.25	3636.06	3188.36	2714.33	2400.65	2141.40	1924.28	1695.46

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1543.88	1412.21	1167.06	1167.06	1084.01	998.92	939.58	889.60	834.94
45.0	1759.24	1594.80	1422.16	1303.94	1198.60	1090.92	1018.94	958.07	895.45
90.0	1508.77	1295.16	1163.08	1163.08	1059.61	992.37	932.50	881.82	826.75
135.0	1626.98	1477.75	1351.93	1213.23	1119.01	1039.42	971.53	900.72	854.49
180.0	1493.55	1358.37	1238.39	1135.98	1028.88	959.24	904.23	846.29	804.74
225.0	1154.65	1154.65	1105.31	1022.04	952.22	882.34	836.17	786.66	743.06
270.0	1555.59	1377.68	1257.71	1134.81	1053.46	983.24	925.88	864.44	823.47
315.0	1445.56	1165.12	1165.12	1102.51	1031.11	950.99	898.85	852.20	795.09
360.0	1543.88	1412.21	1167.06	1167.06	1084.01	998.92	939.58	889.60	834.94

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	785.08	726.50	643.45	569.95	503.12	431.43	342.82	277.22	218.46
45.0	849.81	788.36	726.32	661.36	592.89	522.08	437.22	366.99	302.03
90.0	776.59	710.87	647.26	565.21	490.71	403.57	341.13	276.05	198.27
135.0	814.11	750.90	687.70	602.84	534.37	465.90	396.84	315.49	299.69
180.0	763.19	692.38	627.42	540.22	472.92	401.52	333.05	303.21	303.21
225.0	685.18	604.60	535.95	467.54	383.03	318.13	257.21	200.44	138.29
270.0	779.58	717.54	636.78	568.31	492.23	405.03	343.00	307.30	307.30
315.0	737.21	674.59	601.96	512.36	442.66	372.85	308.36	231.34	177.38
360.0	785.08	726.50	643.45	569.95	503.12	431.43	342.82	277.22	218.46

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	165.33	109.55	75.55	57.18	52.61	48.57	44.30	41.84	39.56
45.0	302.03	164.74	117.28	79.65	58.58	53.84	48.75	45.06	42.19
90.0	147.59	105.98	71.16	55.01	50.86	46.94	43.25	39.97	37.57
135.0	299.69	137.70	85.62	61.10	51.09	47.17	42.96	40.15	37.98
180.0	143.56	101.13	69.99	51.03	46.76	43.42	39.62	37.45	35.05
225.0	98.03	67.65	52.85	46.76	43.37	39.56	37.22	35.11	32.77
270.0	151.46	109.96	68.94	54.31	49.22	44.48	41.14	38.57	36.40
315.0	131.03	85.74	64.37	54.89	49.63	46.06	42.96	39.85	37.63
360.0	165.33	109.55	75.55	57.18	52.61	48.57	44.30	41.84	39.56

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	37.34	34.70	33.07	31.54	30.14	28.73	27.80	27.04	26.34
45.0	39.09	36.87	34.94	33.07	31.31	29.61	28.50	27.45	26.63
90.0	35.46	32.95	31.19	29.73	28.09	26.98	26.10	25.28	24.76
135.0	35.52	33.59	31.49	29.90	28.44	27.04	26.10	25.34	24.70
180.0	33.18	31.37	29.38	28.09	26.86	25.81	24.76	24.17	23.64
225.0	30.96	29.38	27.51	26.39	25.52	24.58	23.99	23.41	23.06
270.0	33.71	31.78	30.08	28.62	26.98	25.87	24.99	24.17	23.64
315.0	35.52	33.53	31.31	29.73	28.44	27.33	26.16	25.46	24.81
360.0	37.34	34.70	33.07	31.54	30.14	28.73	27.80	27.04	26.34

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	25.81	25.52	25.11	24.64	24.17	23.58	23.00	22.00	21.19
45.0	25.98	25.40	25.05	24.64	24.35	23.88	23.29	22.71	21.54
90.0	24.17	23.94	23.58	23.23	22.88	22.41	21.77	20.89	19.78
135.0	24.17	23.88	23.70	23.41	23.23	22.94	22.59	21.89	20.95
180.0	23.23	23.06	22.82	22.71	22.41	22.06	21.59	20.72	19.84
225.0	22.94	22.59	22.53	22.30	22.00	21.48	20.78	19.72	18.61
270.0	23.17	23.00	22.77	22.59	22.30	21.95	21.42	20.78	19.72
315.0	24.40	24.11	23.76	23.53	23.12	22.36	21.65	20.78	19.78
360.0	25.81	25.52	25.11	24.64	24.17	23.58	23.00	22.00	21.19

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	19.61	18.49	17.03	15.98	14.69	14.57	14.92	16.74	16.27
45.0	20.72	19.43	18.38	16.62	15.57	14.46	13.87	13.17	12.82
90.0	18.61	17.56	15.92	14.92	13.93	13.23	12.76	12.47	12.17
135.0	20.25	18.79	17.79	16.33	15.04	14.10	13.58	13.11	12.87
180.0	18.49	17.38	16.09	14.98	13.99	13.23	12.82	12.64	12.52
225.0	17.44	15.86	14.75	13.69	13.17	12.52	12.23	11.94	11.70
270.0	18.67	17.56	16.27	14.86	13.87	13.11	12.64	12.35	12.00
315.0	18.26	17.03	15.80	14.81	13.81	13.28	12.93	12.70	13.17
360.0	19.61	18.49	17.03	15.98	14.69	14.57	14.92	16.74	16.27

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	15.51	16.85	14.63	15.68	13.87	13.75	12.82	12.17	11.47
45.0	12.47	12.06	11.76	11.47	11.18	10.94	10.71	10.42	10.24
90.0	12.06	12.29	12.17	12.06	12.47	12.17	11.88	11.24	10.42
135.0	13.52	13.93	14.10	14.86	14.63	14.69	14.22	13.58	12.41
180.0	12.23	11.82	11.41	11.06	10.83	10.53	10.36	10.12	9.89
225.0	11.35	11.12	10.83	10.65	10.42	10.18	10.01	9.83	9.60
270.0	11.82	11.70	11.53	11.94	11.70	11.76	11.29	10.65	10.18
315.0	13.58	14.51	14.34	14.75	14.22	14.22	12.99	11.88	10.83
360.0	15.51	16.85	14.63	15.68	13.87	13.75	12.82	12.17	11.47

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	10.77	9.77	9.31	9.01	8.78	8.54	8.25	8.13	7.96
45.0	10.01	9.71	9.48	9.25	9.07	8.90	8.49	8.31	8.13
90.0	9.71	9.42	9.13	8.95	8.60	8.37	8.25	8.13	7.96
135.0	11.00	9.71	9.36	9.13	8.90	8.54	8.37	8.19	8.08
180.0	9.66	9.31	9.07	8.90	8.60	8.31	8.13	8.08	7.90
225.0	9.31	9.07	8.90	8.66	8.37	8.19	8.08	7.96	7.96
270.0	9.71	9.25	8.95	8.78	8.60	8.37	8.25	8.08	7.96
315.0	9.71	9.31	9.01	8.78	8.60	8.31	8.13	8.02	7.90
360.0	10.77	9.77	9.31	9.01	8.78	8.54	8.25	8.13	7.96

Intensity data(cd)

C/γ(°)	90.0
0.0	7.96
45.0	7.96
90.0	7.96
135.0	7.96
180.0	7.90
225.0	7.96
270.0	7.96
315.0	7.90
360.0	7.96