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NT

Client:
LumCAT: 1-1306-L
Luminaire: 92.70.427.00
Report No: 2024617-B016
Ballast type: AC

Test No: 2024717-C016	Voltage(V): 35.410
LampCAT: CITIZEN CLU028 LES9.8	Current(A): 0.360
Lamp flux(lm): 1630.0	Power (W): 12.747
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 1473.41, Efficiency(%): 90.39% , Luminous Efficacy(lm/W): 115.59
Central intensity(cd): 2249.810, Maximum intensity(cd): 2251.126
Angle of maximum intensity: C=0.0 γ=1.0
Beam Angle(50%Imax): [C0/180]Total=50.8
[C90/270]Total=50.8
Field angle(10%Imax): [C0/180]Total=70.2
[C90/270]Total=70.2
Maximum s/h(1/2): C0_180=0.80 C90_270=0.80
Maximum s/h(1/4): C0_180=0.77 C90_270=0.77
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 90.39%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 97.947%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	2249.810	0.000	0	0.00%	0.00%
1.0	2251.126	2.154	2.154	0.13%	0.15%
2.0	2248.493	6.458	8.612	0.40%	0.58%
3.0	2246.079	10.750	19.361	0.66%	1.31%
4.0	2235.472	15.001	34.363	0.92%	2.33%
5.0	2223.109	19.181	53.543	1.18%	3.63%
6.0	2204.821	23.270	76.813	1.43%	5.21%
7.0	2179.656	27.214	104.028	1.67%	7.06%
8.0	2151.785	30.999	135.027	1.90%	9.16%
9.0	2124.864	34.660	169.687	2.13%	11.52%
10.0	2092.092	38.162	207.849	2.34%	14.11%
11.0	2056.905	41.457	249.306	2.54%	16.92%
12.0	2014.330	44.504	293.81	2.73%	19.94%
13.0	1965.537	47.231	341.041	2.90%	23.15%
14.0	1916.817	49.694	390.735	3.05%	26.52%
15.0	1861.293	51.868	442.602	3.18%	30.04%
16.0	1807.014	53.751	496.353	3.30%	33.69%
17.0	1751.052	55.409	551.762	3.40%	37.45%
18.0	1690.700	56.747	608.509	3.48%	41.30%
19.0	1623.107	57.653	666.163	3.54%	45.21%
20.0	1553.246	58.136	724.299	3.57%	49.16%
21.0	1478.483	58.215	782.514	3.57%	53.11%
22.0	1374.394	57.330	839.844	3.52%	57.00%
23.0	1302.009	56.158	896.002	3.45%	60.81%
24.0	1228.453	55.325	951.327	3.39%	64.57%
25.0	1162.359	54.362	1005.689	3.34%	68.26%
26.0	1078.826	52.903	1058.592	3.25%	71.85%
27.0	977.553	50.310	1108.902	3.09%	75.26%
28.0	869.557	46.765	1155.667	2.87%	78.43%
29.0	763.441	42.724	1198.391	2.62%	81.33%
30.0	649.973	38.162	1236.552	2.34%	83.92%
31.0	543.791	33.221	1269.773	2.04%	86.18%
32.0	440.118	28.188	1297.961	1.73%	88.09%
33.0	352.327	23.346	1321.307	1.43%	89.68%
34.0	278.018	19.076	1340.383	1.17%	90.97%
35.0	233.519	15.886	1356.269	0.97%	92.05%
36.0	175.012	13.008	1369.277	0.80%	92.93%
37.0	115.794	9.484	1378.761	0.58%	93.58%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	92.729	6.960	1385.722	0.43%	94.05%
39.0	77.455	5.809	1391.531	0.36%	94.44%
40.0	65.940	5.001	1396.532	0.31%	94.78%
41.0	57.542	4.397	1400.929	0.27%	95.08%
42.0	50.937	3.941	1404.87	0.24%	95.35%
43.0	45.304	3.565	1408.435	0.22%	95.59%
44.0	40.680	3.245	1411.68	0.20%	95.81%
45.0	36.642	2.972	1414.652	0.18%	96.01%
46.0	33.329	2.736	1417.388	0.17%	96.20%
47.0	30.446	2.536	1419.925	0.16%	96.37%
48.0	28.010	2.363	1422.288	0.14%	96.53%
49.0	25.933	2.215	1424.503	0.14%	96.68%
50.0	24.280	2.094	1426.597	0.13%	96.82%
51.0	22.721	1.989	1428.585	0.12%	96.96%
52.0	21.412	1.894	1430.479	0.12%	97.09%
53.0	20.190	1.810	1432.289	0.11%	97.21%
54.0	19.108	1.732	1434.021	0.11%	97.33%
55.0	18.171	1.664	1435.685	0.10%	97.44%
56.0	17.235	1.600	1437.285	0.10%	97.55%
57.0	16.459	1.541	1438.825	0.09%	97.65%
58.0	15.757	1.490	1440.315	0.09%	97.75%
59.0	15.150	1.445	1441.76	0.09%	97.85%
60.0	14.557	1.403	1443.164	0.09%	97.95%
61.0	14.067	1.366	1444.53	0.08%	98.04%
62.0	13.621	1.334	1445.864	0.08%	98.13%
63.0	13.182	1.304	1447.167	0.08%	98.22%
64.0	12.794	1.275	1448.442	0.08%	98.31%
65.0	12.436	1.249	1449.691	0.08%	98.39%
66.0	12.056	1.222	1450.913	0.07%	98.47%
67.0	11.719	1.195	1452.108	0.07%	98.55%
68.0	11.405	1.171	1453.279	0.07%	98.63%
69.0	11.127	1.149	1454.429	0.07%	98.71%
70.0	10.812	1.127	1455.556	0.07%	98.79%
71.0	10.527	1.103	1456.659	0.07%	98.86%
72.0	10.271	1.081	1457.74	0.07%	98.94%
73.0	9.993	1.060	1458.8	0.07%	99.01%
74.0	9.715	1.036	1459.836	0.06%	99.08%
75.0	9.451	1.013	1460.848	0.06%	99.15%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	9.195	0.990	1461.838	0.06%	99.21%
77.0	8.932	0.966	1462.805	0.06%	99.28%
78.0	8.698	0.944	1463.748	0.06%	99.34%
79.0	8.449	0.921	1464.67	0.06%	99.41%
80.0	8.208	0.898	1465.568	0.06%	99.47%
81.0	7.974	0.875	1466.443	0.05%	99.53%
82.0	7.762	0.853	1467.296	0.05%	99.59%
83.0	7.535	0.832	1468.128	0.05%	99.64%
84.0	7.337	0.810	1468.938	0.05%	99.70%
85.0	7.147	0.791	1469.728	0.05%	99.75%
86.0	6.920	0.769	1470.497	0.05%	99.80%
87.0	6.759	0.749	1471.246	0.05%	99.85%
88.0	6.642	0.734	1471.98	0.05%	99.90%
89.0	6.503	0.721	1472.701	0.04%	99.95%
90.0	6.423	0.709	1473.409	0.04%	100.00%

Zonal flux distribution table

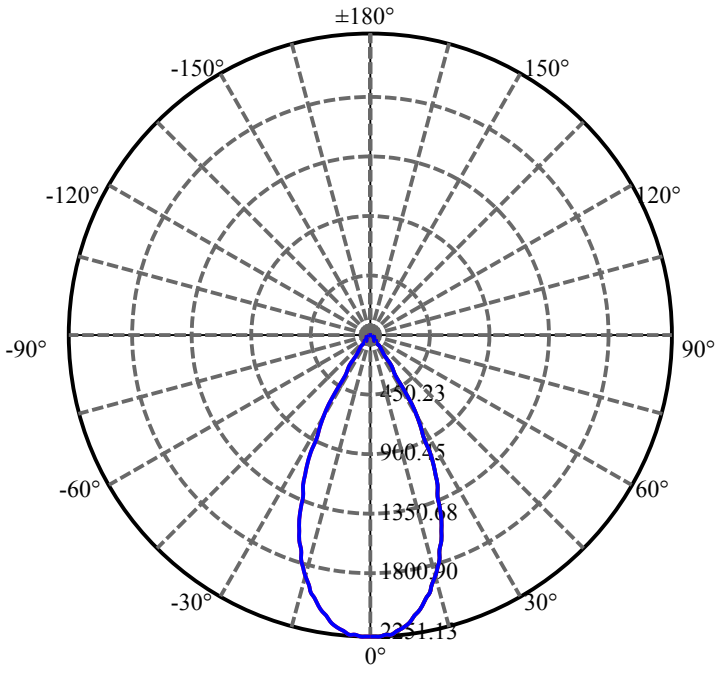
ZONAL LUMEN SUMMARY

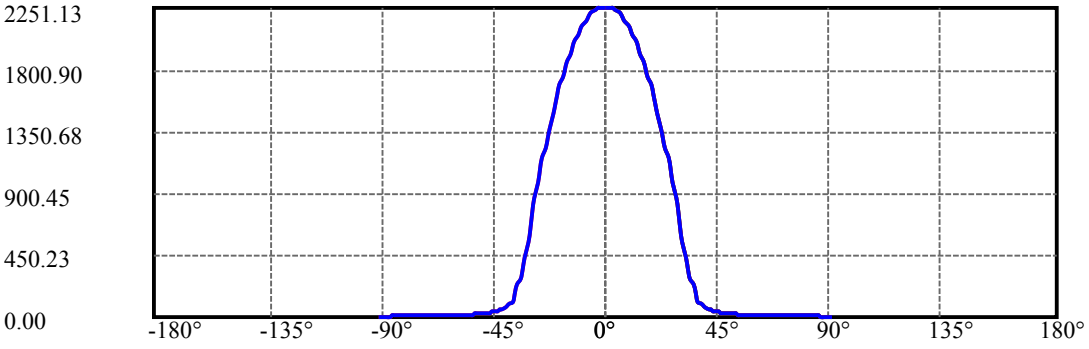
Zone	Lumens	%Lamp	%Fixt
0-30	1236.55	75.86%	83.92%
0-40	1396.53	85.68%	94.78%
0-60	1443.16	88.54%	97.95%
0-90	1472.70	90.35%	99.95%
0-120	1472.70	90.35%	99.95%
0-180	1473.41	90.39%	100.00%
60-90	29.54	1.81%	2.00%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-28.54	1178.73	72.31%	80.00%

ZONAL LUMEN SUMMARY

0-10	207.85
10-20	516.45
20-30	512.25
30-40	159.98
40-50	30.07
50-60	16.57
60-70	12.39
70-80	10.01
80-90	7.13
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:

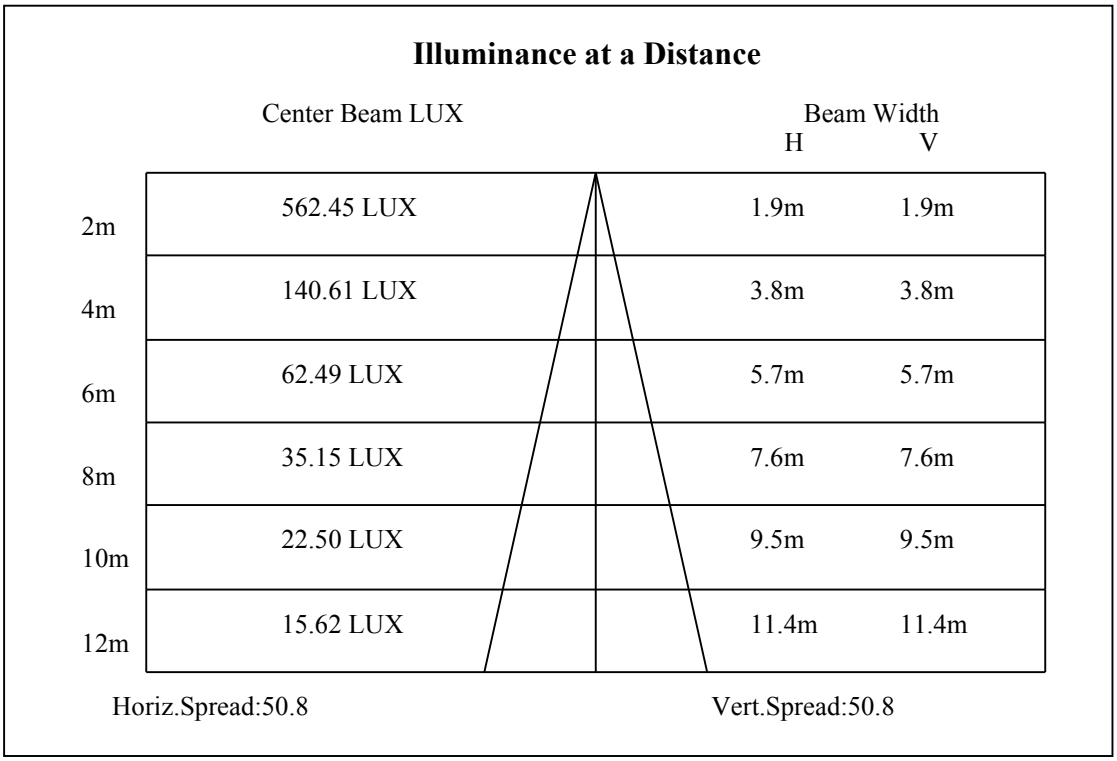
C90/C270:

Field angle(10%Imax):C0/180Left:36.1 Right:34.1
:C90/270Left:36.1 Right:34.1

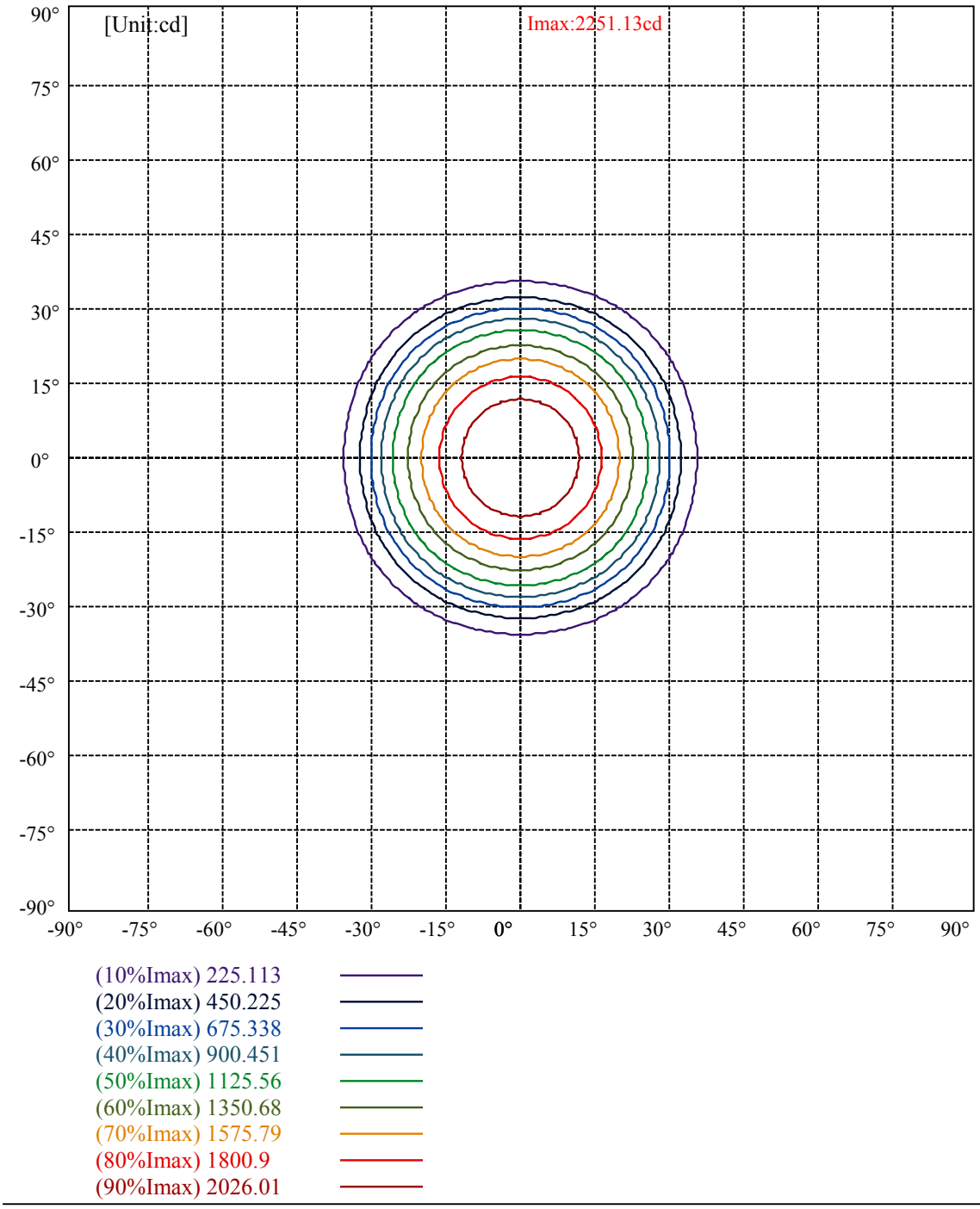
Beam Angle(50%Imax):C0/180Left:26.4 Right:24.4
:C90/270Left:26.4 Right:24.4

Equipment: GMS1980	Date: 2024/7/17	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65

Lux distance Curve



ISO-Intensity(V-H)

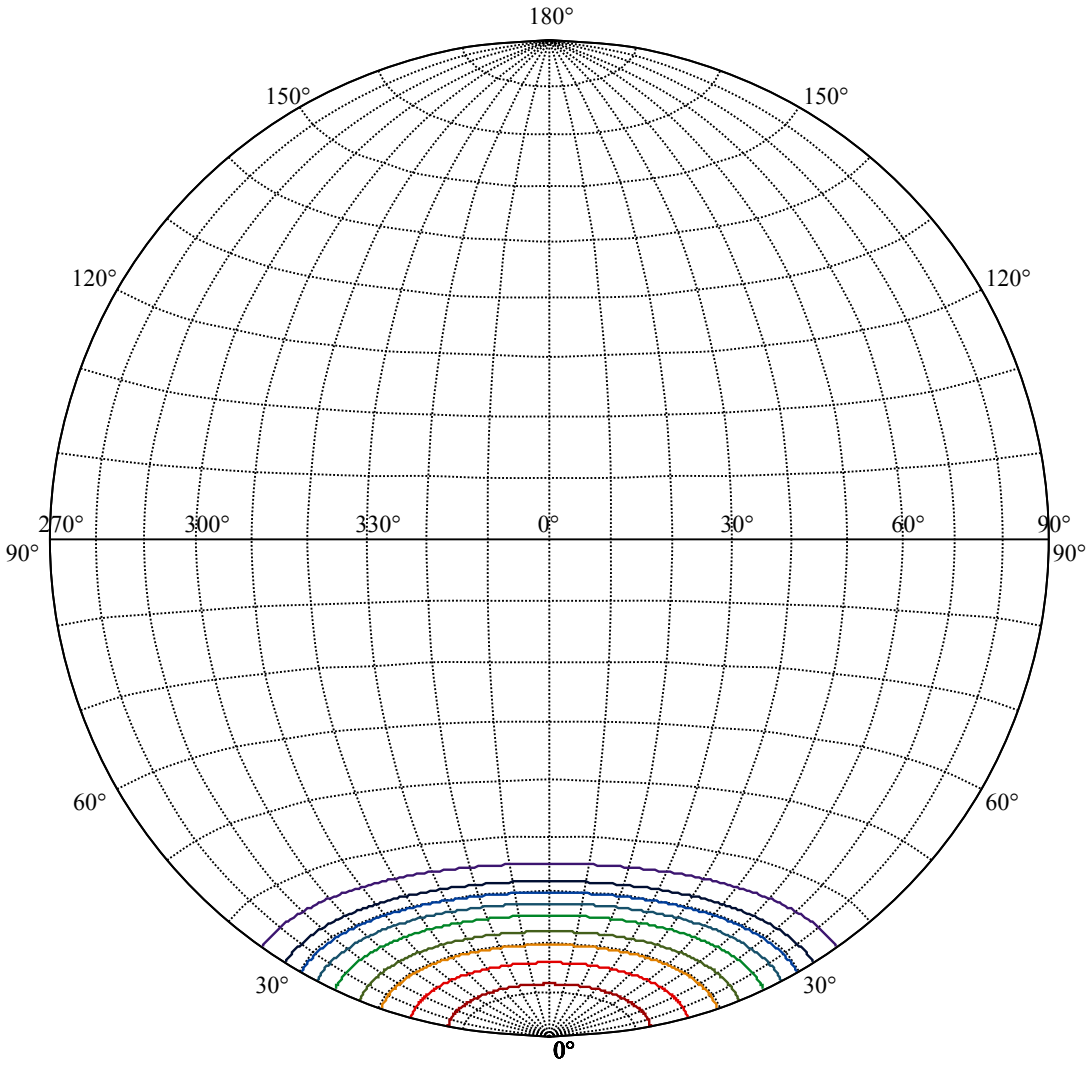


Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/7/17
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

ISO candela diagram on circular web



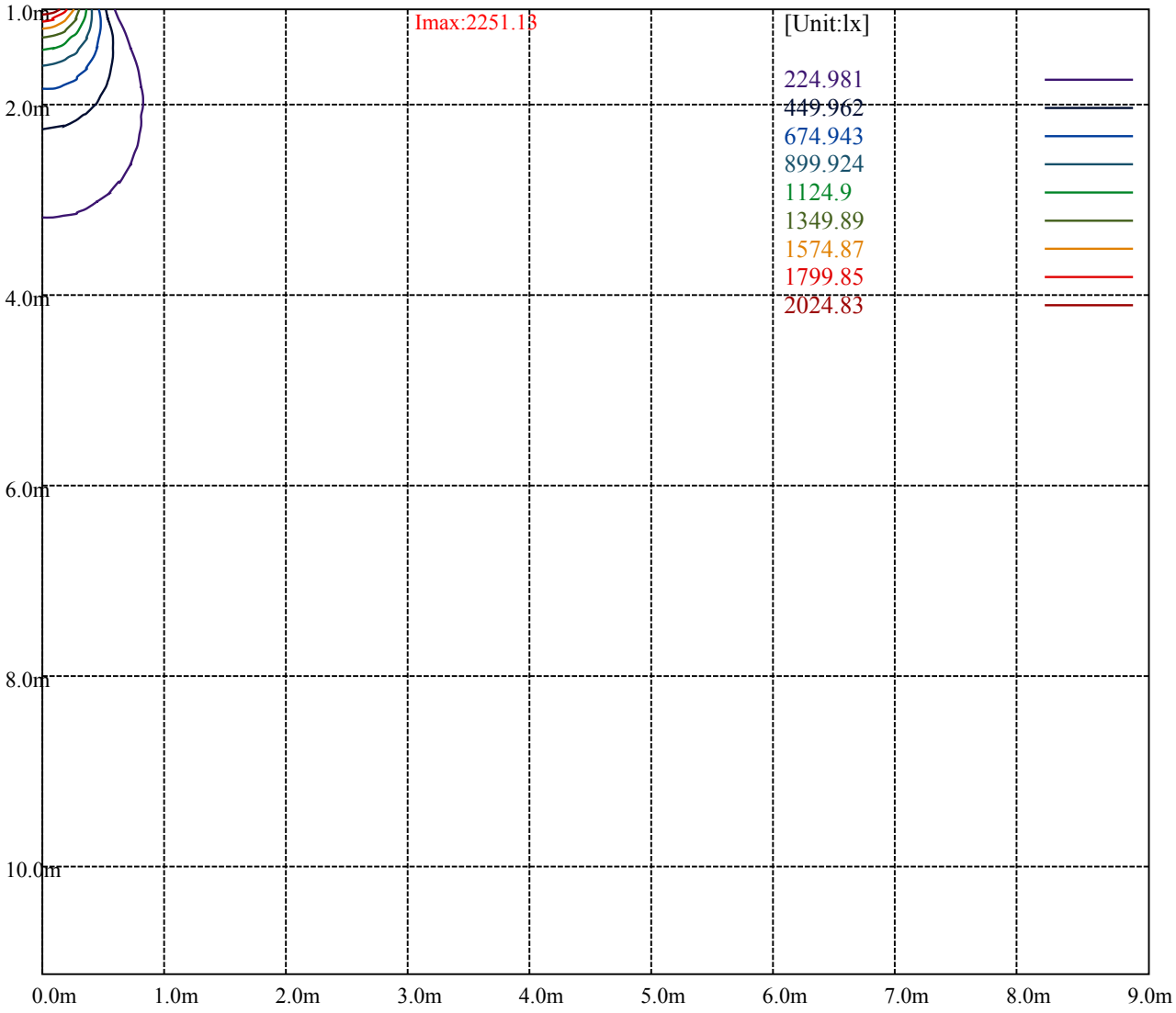
House [Unit:cd] Road

Imax:2251.13

(10%Imax) 225.113
(20%Imax) 450.225
(30%Imax) 675.338
(40%Imax) 900.451
(50%Imax) 1125.56
(60%Imax) 1350.68
(70%Imax) 1575.79
(80%Imax) 1800.9
(90%Imax) 2026.01

Equipment: GMS1980 Date: 2024/7/17 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/7/17
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

NT 1-1306-L

Luminance Limitting Curve(no luminous side)

Luminance Table

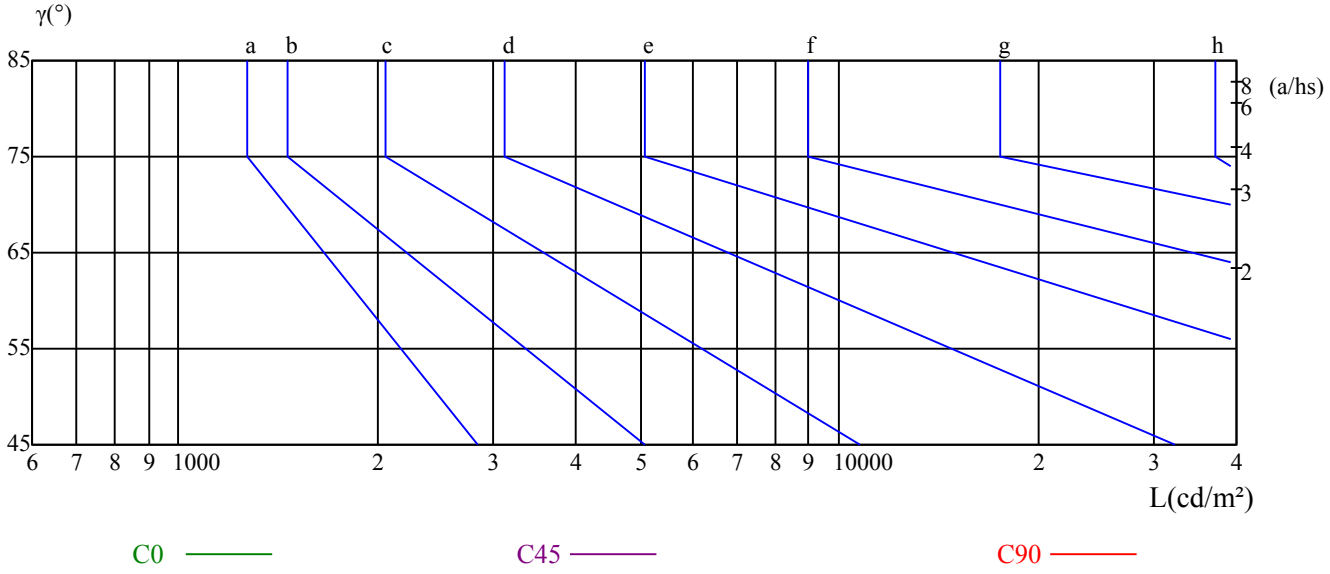
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

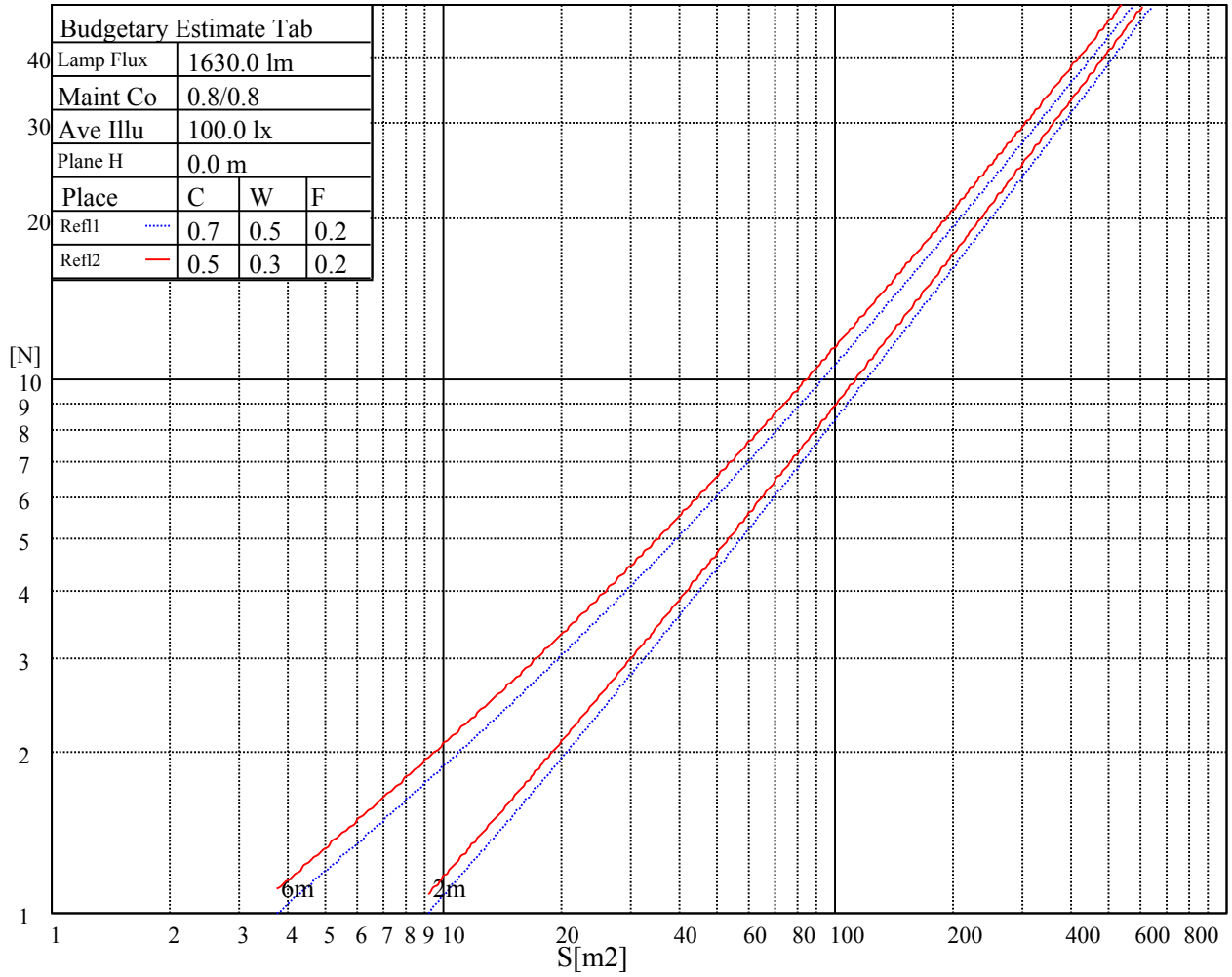
Luminance Limitting Curve



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

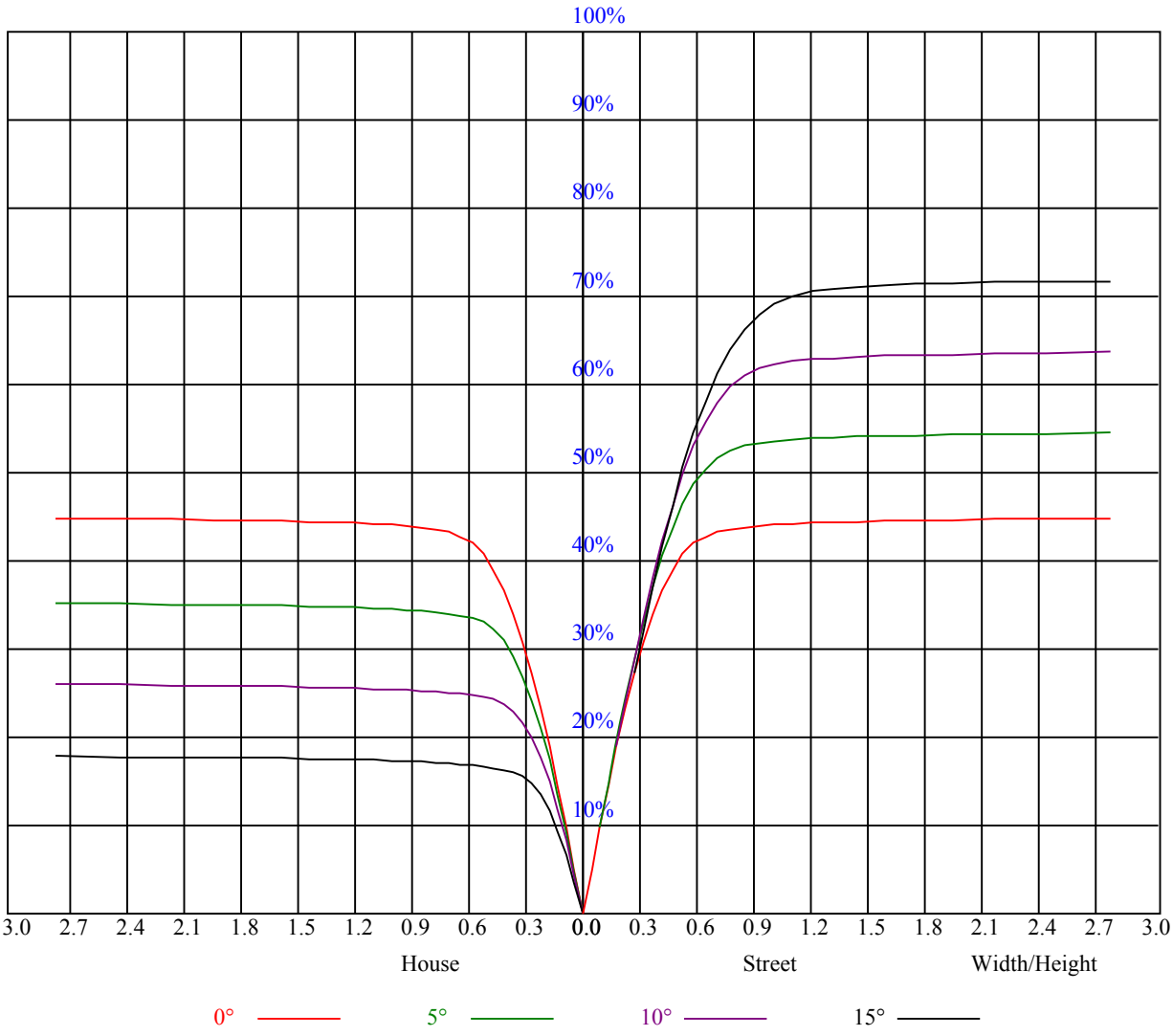


Equipment: GMS1980 Date: 2024/7/17 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

Utilization factor table for indoor luminaire

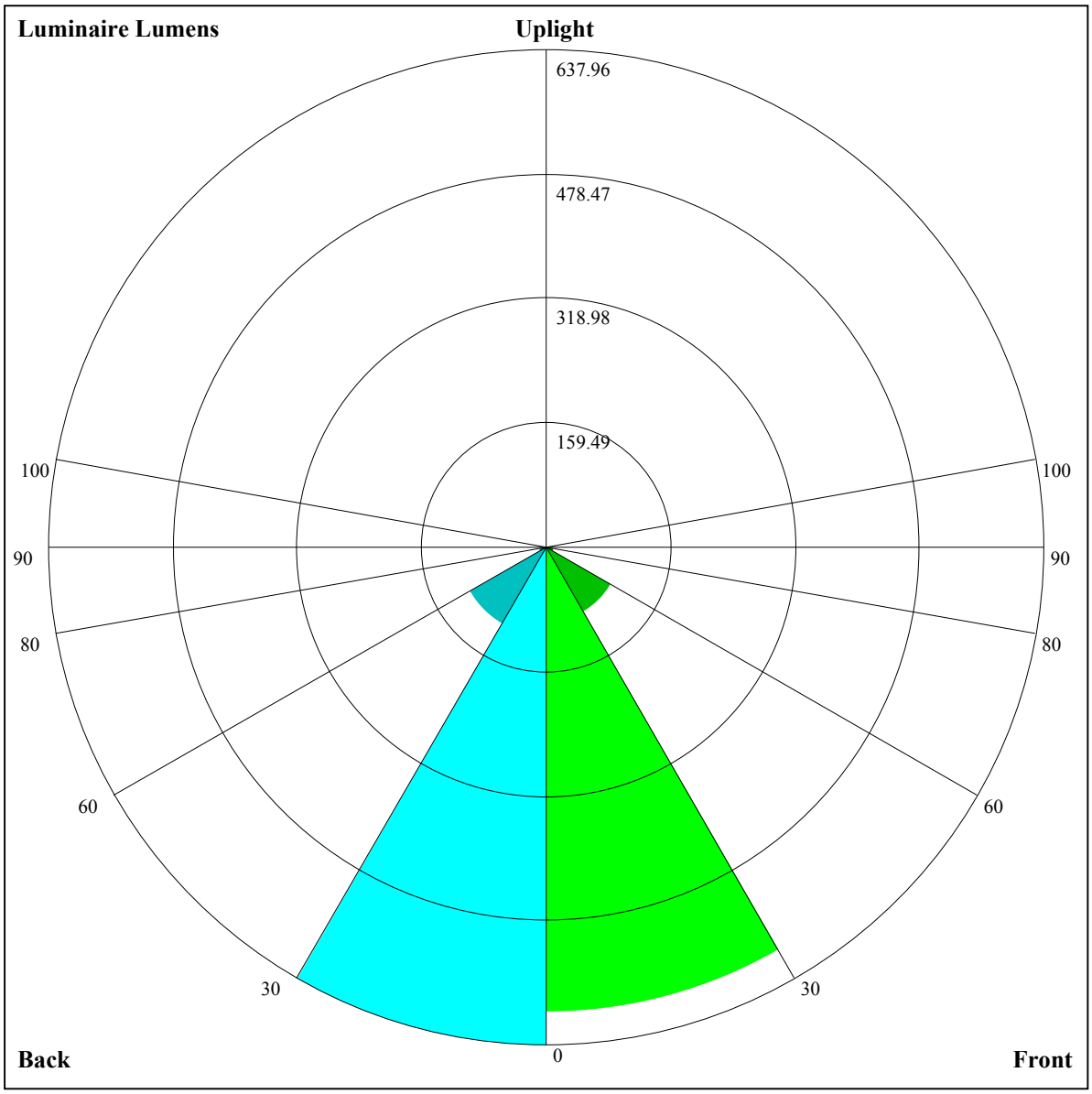
RHOCC	80			70			50			30			10			0
RHOW	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR	COEFFCIENTS OF UTILIZATION RHOFC=20 CU															
0	1.08	1.08	1.08	1.05	1.05	1.05	1.00	1.00	1.00	0.96	0.96	0.96	0.92	0.92	0.92	0.90
1	1.00	0.98	0.96	0.98	0.96	0.95	0.95	0.93	0.92	0.91	0.90	0.89	0.88	0.87	0.86	0.85
2	0.94	0.90	0.87	0.92	0.89	0.86	0.89	0.87	0.85	0.87	0.85	0.83	0.84	0.83	0.81	0.80
3	0.88	0.84	0.81	0.87	0.83	0.80	0.85	0.81	0.79	0.82	0.80	0.77	0.80	0.78	0.76	0.75
4	0.83	0.78	0.75	0.82	0.78	0.74	0.80	0.76	0.74	0.78	0.75	0.73	0.77	0.74	0.72	0.71
5	0.79	0.74	0.70	0.78	0.73	0.70	0.76	0.72	0.69	0.75	0.71	0.69	0.73	0.70	0.68	0.67
6	0.74	0.69	0.66	0.74	0.69	0.66	0.72	0.68	0.65	0.71	0.67	0.65	0.70	0.67	0.64	0.63
7	0.71	0.66	0.62	0.70	0.65	0.62	0.69	0.65	0.62	0.68	0.64	0.61	0.67	0.64	0.61	0.60
8	0.67	0.62	0.59	0.67	0.62	0.59	0.66	0.61	0.58	0.65	0.61	0.58	0.64	0.60	0.58	0.57
9	0.64	0.59	0.56	0.63	0.59	0.56	0.63	0.58	0.55	0.62	0.58	0.55	0.61	0.58	0.55	0.54
10	0.61	0.56	0.53	0.61	0.56	0.53	0.60	0.56	0.53	0.59	0.55	0.53	0.59	0.55	0.52	0.51

Coefficient Utilization Curve



Equipment: GMS1980	Date: 2024/7/17	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65

LCS Graph



Luminaire Lumens:
FL=595.66,FM=96.75,FH=11.04,FVH=3.9
BL=637.96,BM=112.74,BH=11.23,BVH=3.92
UL=0,UH=0

BUG Rating:B2-U0-G0

Equipment: GMS1980	Date: 2024/7/17	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65

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	2242.06	2242.64	2233.86	2226.84	2201.67	2185.29	2161.29	2122.67	2088.73
45.0	2251.42	2244.40	2239.71	2236.20	2230.94	2219.23	2196.99	2173.58	2138.47
90.0	2251.42	2243.23	2242.06	2235.03	2220.40	2201.67	2181.19	2159.54	2132.62
135.0	2254.35	2257.86	2249.08	2246.15	2239.13	2235.03	2223.33	2204.60	2192.31
180.0	2242.06	2250.83	2252.00	2254.93	2254.93	2247.32	2237.37	2223.91	2205.77
225.0	2251.42	2257.27	2258.44	2261.95	2252.00	2244.40	2223.91	2198.75	2168.90
270.0	2251.42	2257.86	2261.37	2259.61	2254.93	2241.47	2227.42	2205.77	2179.44
315.0	2254.35	2254.93	2251.42	2247.91	2229.77	2210.45	2187.04	2148.42	2108.04
360.0	2242.06	2242.64	2233.86	2226.84	2201.67	2185.29	2161.29	2122.67	2088.73

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	2038.98	2001.53	1954.71	1911.40	1849.37	1798.45	1746.37	1690.19	1614.69
45.0	2106.87	2071.17	2034.30	1975.19	1924.28	1872.19	1816.01	1755.15	1704.23
90.0	2108.62	2062.98	2027.28	1977.53	1929.55	1867.51	1821.86	1765.68	1714.77
135.0	2175.93	2150.18	2129.69	2098.68	2050.10	2008.55	1947.69	1899.11	1847.03
180.0	2190.56	2164.81	2139.06	2108.04	2060.05	2014.99	1969.93	1919.01	1864.59
225.0	2139.64	2115.06	2085.22	2046.01	2005.04	1957.05	1895.60	1842.93	1790.26
270.0	2158.95	2129.11	2098.68	2060.05	2014.40	1968.17	1913.74	1859.32	1810.74
315.0	2079.36	2041.91	1986.31	1937.74	1891.51	1847.61	1779.14	1724.72	1662.10
360.0	2038.98	2001.53	1954.71	1911.40	1849.37	1798.45	1746.37	1690.19	1614.69

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1549.15	1486.53	1430.35	1347.25	1165.94	1165.94	1114.15	1039.07	929.40
45.0	1642.20	1581.92	1507.01	1443.22	1364.80	1302.77	1236.05	1145.93	1068.09
90.0	1649.81	1572.56	1500.58	1426.25	1354.27	1152.66	1152.66	1113.10	1025.49
135.0	1802.55	1752.22	1676.14	1607.67	1536.86	1459.02	1366.56	1296.33	1223.18
180.0	1814.84	1756.32	1696.63	1610.60	1539.20	1462.54	1391.72	1291.06	1217.33
225.0	1730.57	1656.25	1580.17	1507.60	1412.79	1335.54	1157.17	1157.17	1074.77
270.0	1741.69	1672.63	1594.80	1528.08	1456.68	1373.00	1280.53	1203.28	1127.79
315.0	1594.80	1506.43	1440.30	1357.20	1164.60	1164.60	1128.78	1052.94	964.57
360.0	1549.15	1486.53	1430.35	1347.25	1165.94	1165.94	1114.15	1039.07	929.40

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	833.13	731.24	631.75	507.92	416.09	332.64	259.37	186.04	143.20
45.0	979.73	856.24	755.00	653.17	555.44	436.64	351.19	312.57	312.57
90.0	904.70	802.69	701.51	577.50	479.94	393.10	292.91	226.25	171.53
135.0	1119.59	1018.35	889.02	782.50	675.99	550.17	456.53	371.09	310.81
180.0	1112.57	1025.96	924.71	785.43	674.82	570.07	471.16	359.39	299.69
225.0	983.12	855.83	750.14	644.45	516.34	420.89	334.98	259.96	183.00
270.0	1045.86	927.05	817.03	711.11	609.28	479.36	388.06	307.89	307.89
315.0	841.73	739.08	638.36	537.70	422.42	338.08	264.40	200.97	139.46
360.0	833.13	731.24	631.75	507.92	416.09	332.64	259.37	186.04	143.20

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	114.53	92.82	80.41	70.40	61.04	54.95	49.92	44.59	41.02
45.0	147.13	116.46	96.33	78.54	67.71	59.69	51.68	46.29	41.90
90.0	124.36	100.31	83.57	71.16	59.93	53.37	47.87	41.90	38.04
135.0	310.81	151.81	117.05	95.04	77.60	67.30	59.22	51.32	45.94
180.0	299.69	159.47	117.16	96.56	82.17	68.71	60.51	53.90	47.11
225.0	137.12	106.92	87.43	71.69	62.03	54.72	47.34	42.43	38.27
270.0	159.30	111.31	88.25	74.09	63.79	54.13	48.16	43.25	38.74
315.0	107.15	87.26	71.63	62.15	53.26	47.46	42.78	38.74	34.41
360.0	114.53	92.82	80.41	70.40	61.04	54.95	49.92	44.59	41.02

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	37.92	35.17	32.30	30.31	28.50	26.86	25.05	23.76	22.59
45.0	37.10	33.88	31.13	28.73	26.16	24.46	22.88	21.59	20.19
90.0	34.82	31.78	28.79	26.74	24.52	23.00	21.65	20.19	19.08
135.0	41.49	36.69	33.59	30.78	27.92	26.04	24.40	22.94	21.30
180.0	42.43	38.45	34.41	31.72	29.44	27.15	25.52	24.17	22.88
225.0	33.77	30.78	28.27	25.69	24.05	22.53	21.19	19.72	18.73
270.0	34.00	30.78	28.15	25.34	23.58	22.18	20.60	19.49	18.26
315.0	31.60	29.09	26.92	24.76	23.29	22.00	20.48	19.43	18.49
360.0	37.92	35.17	32.30	30.31	28.50	26.86	25.05	23.76	22.59

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	21.13	19.96	18.67	17.79	16.97	16.09	15.45	14.92	14.46
45.0	19.14	18.14	16.97	16.21	15.33	14.69	14.22	13.75	13.23
90.0	18.14	17.21	16.21	15.51	14.92	14.40	13.81	13.46	13.11
135.0	20.13	19.08	18.14	17.09	16.33	15.63	14.86	14.34	13.81
180.0	21.54	20.54	19.66	18.90	18.02	17.38	16.44	15.86	15.22
225.0	17.85	17.09	16.21	15.63	14.98	14.46	13.99	13.52	13.11
270.0	17.50	16.74	16.09	15.39	14.86	14.40	13.93	13.46	13.11
315.0	17.44	16.62	15.92	15.16	14.63	14.16	13.75	13.23	12.93
360.0	21.13	19.96	18.67	17.79	16.97	16.09	15.45	14.92	14.46

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	13.93	13.52	13.11	12.70	12.23	11.94	11.59	11.24	10.94
45.0	12.87	12.58	12.17	11.76	11.47	11.18	10.94	10.65	10.36
90.0	12.64	12.23	11.94	11.47	11.24	10.94	10.65	10.36	10.12
135.0	13.40	13.05	12.70	12.29	11.94	11.65	11.41	11.00	10.77
180.0	14.51	14.05	13.58	13.17	12.70	12.29	12.00	11.65	11.24
225.0	12.76	12.35	12.06	11.70	11.47	11.12	10.83	10.53	10.30
270.0	12.76	12.35	12.06	11.76	11.41	11.18	10.89	10.59	10.36
315.0	12.58	12.23	11.88	11.59	11.29	10.94	10.71	10.48	10.12
360.0	13.93	13.52	13.11	12.70	12.23	11.94	11.59	11.24	10.94

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	10.65	10.30	10.01	9.77	9.48	9.19	9.01	8.78	8.43
45.0	10.12	9.83	9.54	9.36	9.07	8.90	8.60	8.43	8.19
90.0	9.89	9.60	9.36	9.13	8.95	8.66	8.43	8.13	7.96
135.0	10.48	10.24	9.95	9.66	9.36	9.13	8.95	8.66	8.43
180.0	10.94	10.65	10.30	10.07	9.77	9.42	9.19	8.90	8.60
225.0	10.01	9.77	9.54	9.19	8.95	8.66	8.43	8.19	7.96
270.0	10.12	9.89	9.60	9.31	9.07	8.84	8.54	8.31	8.13
315.0	9.95	9.66	9.42	9.13	8.90	8.66	8.43	8.19	7.96
360.0	10.65	10.30	10.01	9.77	9.48	9.19	9.01	8.78	8.43

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	8.25	8.02	7.84	7.67	7.49	7.20	6.91	6.79	6.50
45.0	7.96	7.72	7.49	7.26	7.08	6.85	6.73	6.61	6.50
90.0	7.67	7.55	7.32	7.14	6.91	6.73	6.55	6.50	6.44
135.0	8.19	7.96	7.72	7.55	7.32	7.08	6.91	6.79	6.61
180.0	8.37	8.13	7.90	7.67	7.43	7.20	7.02	6.96	6.73
225.0	7.72	7.49	7.32	7.08	6.91	6.73	6.61	6.50	6.38
270.0	7.90	7.67	7.37	7.20	7.02	6.79	6.67	6.50	6.44
315.0	7.72	7.55	7.32	7.14	7.02	6.79	6.67	6.50	6.44
360.0	8.25	8.02	7.84	7.67	7.49	7.20	6.91	6.79	6.50

Intensity data(cd)

C/γ(°)	90.0
0.0	6.50
45.0	6.38
90.0	6.38
135.0	6.50
180.0	6.50
225.0	6.38
270.0	6.38
315.0	6.38
360.0	6.50