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NT

Client:
LumCAT: 1-1306-L
Luminaire: 92.70.427.00
Report No: 2024723-B016
Ballast type: AC

Test No: 2024723-C016	Voltage(V): 34.830
LampCAT: BRIDGELUX V10B LES10	Current(A): 0.360
Lamp flux(lm): 1647.0	Power (W): 12.538
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 1504.61, Efficiency(%): 91.35% , Luminous Efficacy(lm/W): 120.00
Central intensity(cd): 2315.501, Maximum intensity(cd): 2315.501
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=50.6
[C90/270]Total=50.6
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=0.76 C90_270=0.76
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 91.35%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 97.894%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	2315.501	0.000	0	0.00%	0.00%
1.0	2315.062	2.216	2.216	0.13%	0.15%
2.0	2308.991	6.637	8.853	0.40%	0.59%
3.0	2302.626	11.029	19.882	0.67%	1.32%
4.0	2293.190	15.384	35.266	0.93%	2.34%
5.0	2282.363	19.684	54.949	1.20%	3.65%
6.0	2261.734	23.880	78.83	1.45%	5.24%
7.0	2237.813	27.929	106.758	1.70%	7.10%
8.0	2216.086	31.876	138.634	1.94%	9.21%
9.0	2186.971	35.684	174.319	2.17%	11.59%
10.0	2150.541	39.253	213.571	2.38%	14.19%
11.0	2109.868	42.570	256.142	2.58%	17.02%
12.0	2061.806	45.602	301.744	2.77%	20.05%
13.0	2009.209	48.313	350.057	2.93%	23.27%
14.0	1954.417	50.734	400.791	3.08%	26.64%
15.0	1899.260	52.905	453.696	3.21%	30.15%
16.0	1835.763	54.729	508.424	3.32%	33.79%
17.0	1778.411	56.282	564.707	3.42%	37.53%
18.0	1718.718	57.660	622.367	3.50%	41.36%
19.0	1646.370	58.546	680.913	3.55%	45.25%
20.0	1577.971	59.014	739.927	3.58%	49.18%
21.0	1503.648	59.173	799.1	3.59%	53.11%
22.0	1422.960	58.811	857.912	3.57%	57.02%
23.0	1331.102	57.788	915.699	3.51%	60.86%
24.0	1228.241	55.956	971.656	3.40%	64.58%
25.0	1178.226	54.718	1026.374	3.32%	68.22%
26.0	1097.055	53.708	1080.082	3.26%	71.78%
27.0	994.063	51.160	1131.242	3.11%	75.18%
28.0	885.884	47.596	1178.838	2.89%	78.35%
29.0	767.764	43.264	1222.102	2.63%	81.22%
30.0	661.750	38.597	1260.699	2.34%	83.79%
31.0	552.013	33.777	1294.476	2.05%	86.03%
32.0	448.019	28.650	1323.126	1.74%	87.94%
33.0	356.760	23.709	1346.835	1.44%	89.51%
34.0	280.835	19.296	1366.13	1.17%	90.80%
35.0	241.515	16.222	1382.352	0.98%	91.87%
36.0	171.932	13.164	1395.517	0.80%	92.75%
37.0	118.823	9.483	1404.999	0.58%	93.38%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	96.840	7.199	1412.198	0.44%	93.86%
39.0	81.749	6.096	1418.294	0.37%	94.26%
40.0	70.673	5.316	1423.61	0.32%	94.62%
41.0	61.251	4.698	1428.307	0.29%	94.93%
42.0	54.345	4.200	1432.507	0.25%	95.21%
43.0	47.974	3.790	1436.297	0.23%	95.46%
44.0	43.307	3.445	1439.743	0.21%	95.69%
45.0	39.027	3.164	1442.907	0.19%	95.90%
46.0	35.267	2.905	1445.812	0.18%	96.09%
47.0	32.312	2.688	1448.5	0.16%	96.27%
48.0	29.554	2.501	1451.001	0.15%	96.44%
49.0	27.389	2.338	1453.339	0.14%	96.59%
50.0	25.545	2.207	1455.546	0.13%	96.74%
51.0	23.906	2.092	1457.639	0.13%	96.88%
52.0	22.495	1.991	1459.63	0.12%	97.01%
53.0	21.214	1.901	1461.531	0.12%	97.14%
54.0	20.117	1.822	1463.353	0.11%	97.26%
55.0	18.998	1.746	1465.099	0.11%	97.37%
56.0	18.076	1.675	1466.774	0.10%	97.49%
57.0	17.228	1.614	1468.388	0.10%	97.59%
58.0	16.511	1.560	1469.948	0.09%	97.70%
59.0	15.816	1.511	1471.46	0.09%	97.80%
60.0	15.223	1.466	1472.926	0.09%	97.89%
61.0	14.718	1.429	1474.355	0.09%	97.99%
62.0	14.221	1.394	1475.749	0.08%	98.08%
63.0	13.797	1.363	1477.112	0.08%	98.17%
64.0	13.431	1.336	1478.448	0.08%	98.26%
65.0	13.021	1.309	1479.757	0.08%	98.35%
66.0	12.641	1.280	1481.038	0.08%	98.43%
67.0	12.290	1.254	1482.291	0.08%	98.52%
68.0	11.953	1.228	1483.519	0.07%	98.60%
69.0	11.646	1.204	1484.723	0.07%	98.68%
70.0	11.324	1.180	1485.903	0.07%	98.76%
71.0	11.039	1.156	1487.059	0.07%	98.83%
72.0	10.746	1.133	1488.191	0.07%	98.91%
73.0	10.483	1.110	1489.302	0.07%	98.98%
74.0	10.176	1.086	1490.388	0.07%	99.05%
75.0	9.927	1.062	1491.45	0.06%	99.13%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	9.634	1.038	1492.488	0.06%	99.19%
77.0	9.393	1.014	1493.503	0.06%	99.26%
78.0	9.108	0.990	1494.493	0.06%	99.33%
79.0	8.866	0.966	1495.459	0.06%	99.39%
80.0	8.639	0.944	1496.402	0.06%	99.45%
81.0	8.376	0.920	1497.323	0.06%	99.52%
82.0	8.149	0.896	1498.219	0.05%	99.57%
83.0	7.915	0.873	1499.092	0.05%	99.63%
84.0	7.710	0.851	1499.943	0.05%	99.69%
85.0	7.498	0.830	1500.773	0.05%	99.74%
86.0	7.279	0.808	1501.581	0.05%	99.80%
87.0	7.074	0.785	1502.366	0.05%	99.85%
88.0	6.913	0.766	1503.133	0.05%	99.90%
89.0	6.759	0.749	1503.882	0.05%	99.95%
90.0	6.606	0.733	1504.615	0.04%	100.00%

Zonal flux distribution table

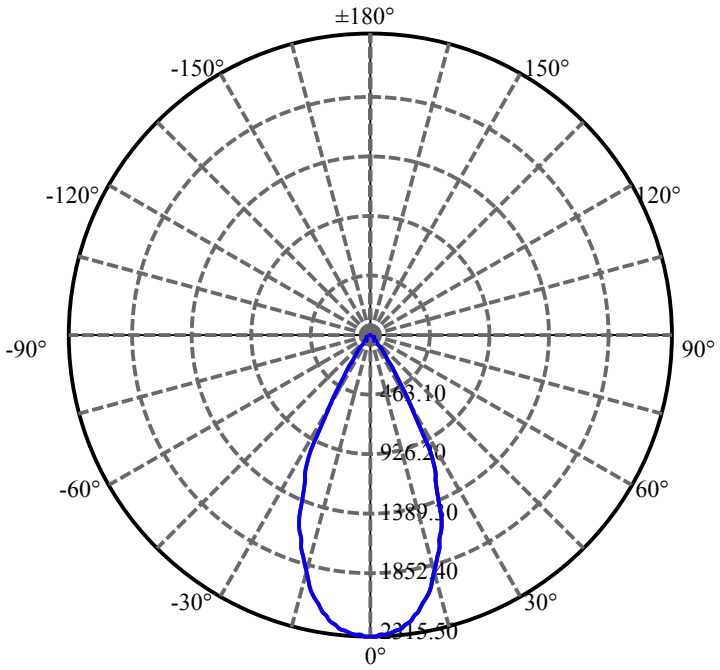
ZONAL LUMEN SUMMARY

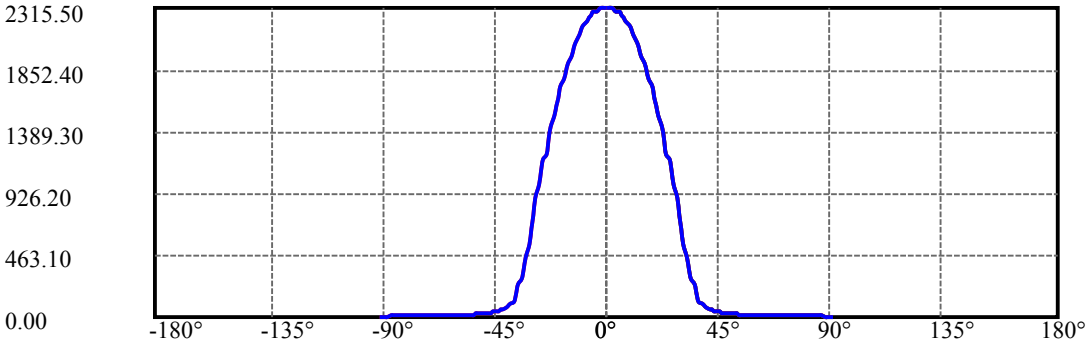
Zone	Lumens	%Lamp	%Fixt
0-30	1260.70	76.55%	83.79%
0-40	1423.61	86.44%	94.62%
0-60	1472.93	89.43%	97.89%
0-90	1503.88	91.31%	99.95%
0-120	1503.88	91.31%	99.95%
0-180	1504.61	91.35%	100.00%
60-90	30.96	1.88%	2.06%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-28.57	1203.69	73.08%	80.00%

ZONAL LUMEN SUMMARY

0-10	213.57
10-20	526.36
20-30	520.77
30-40	162.91
40-50	31.94
50-60	17.38
60-70	12.98
70-80	10.50
80-90	7.48
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):

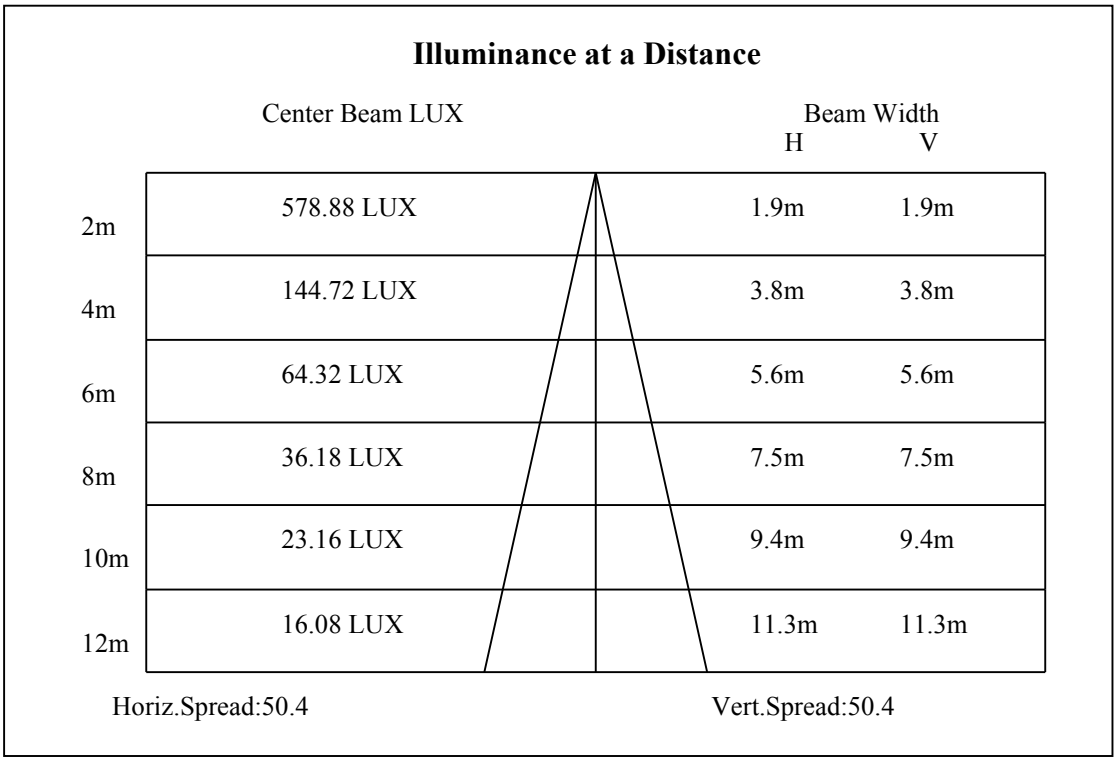
C0/C180:

C90/C270:

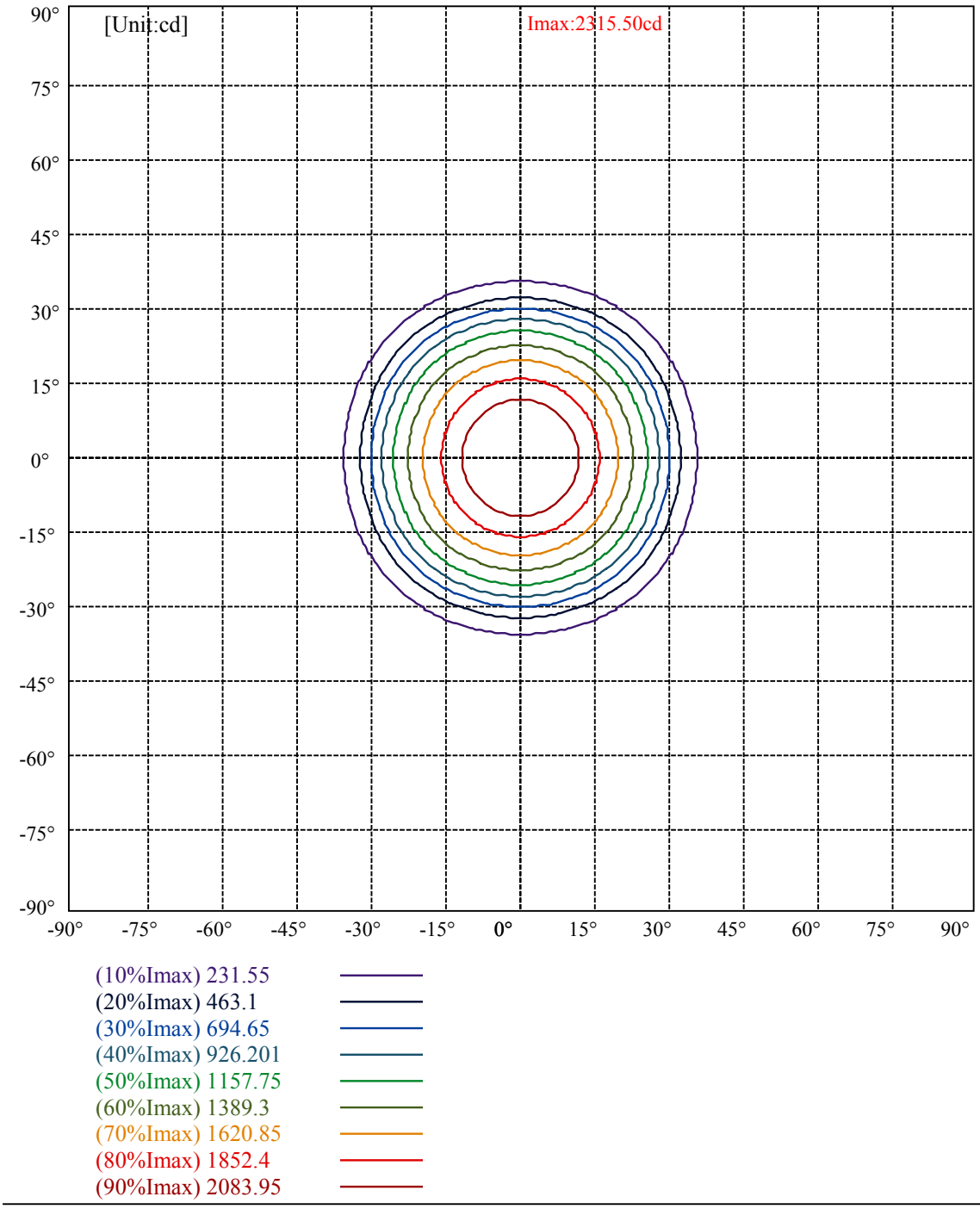
Field angle(10%Imax):C0/180Left:35.1 Right:35.1
:C90/270Left:35.1 Right:35.1

Beam Angle(50%Imax):C0/180Left:25.3 Right:25.3
:C90/270Left:25.3 Right:25.3

Lux distance Curve



ISO-Intensity(V-H)

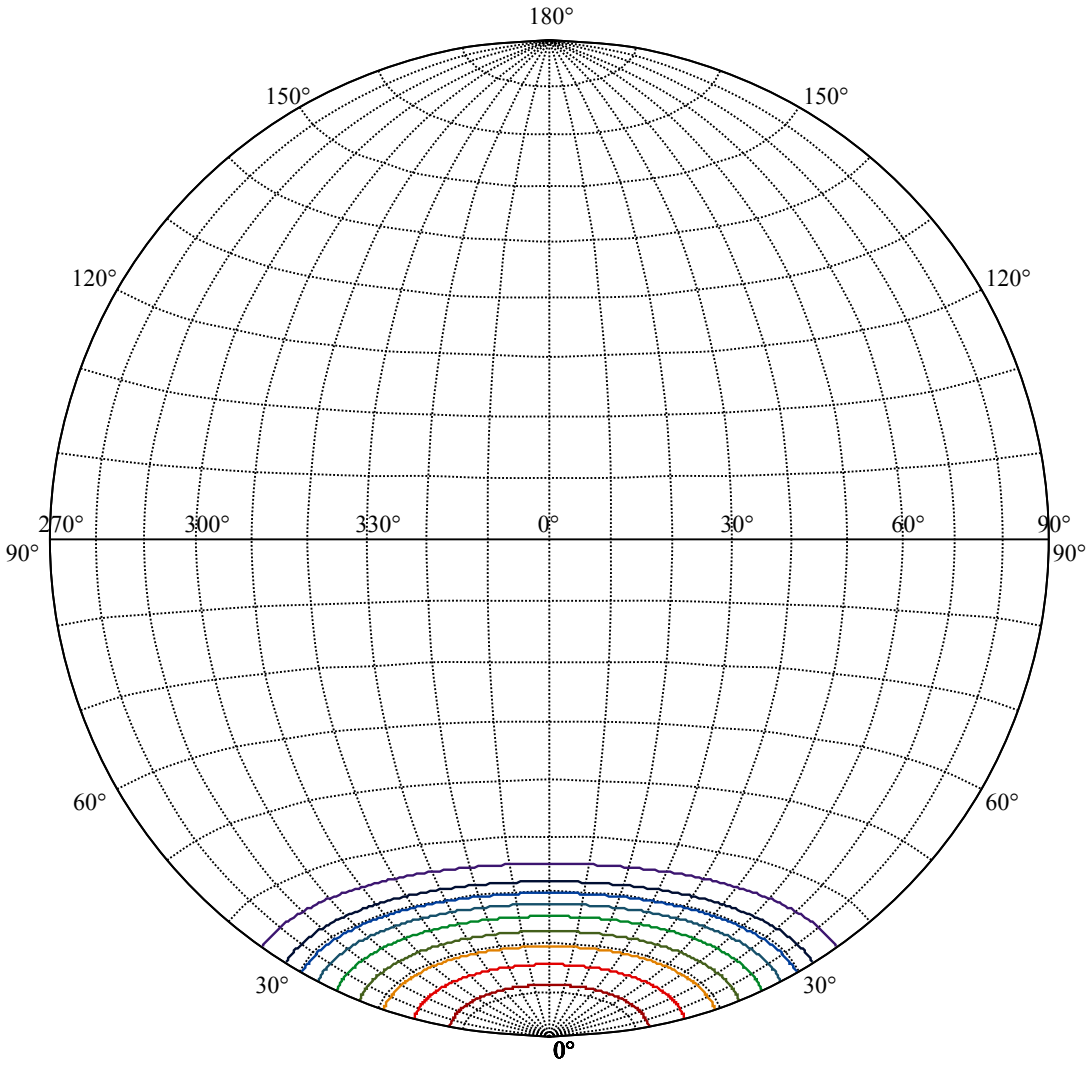


Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/7/23
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

ISO candela diagram on circular web



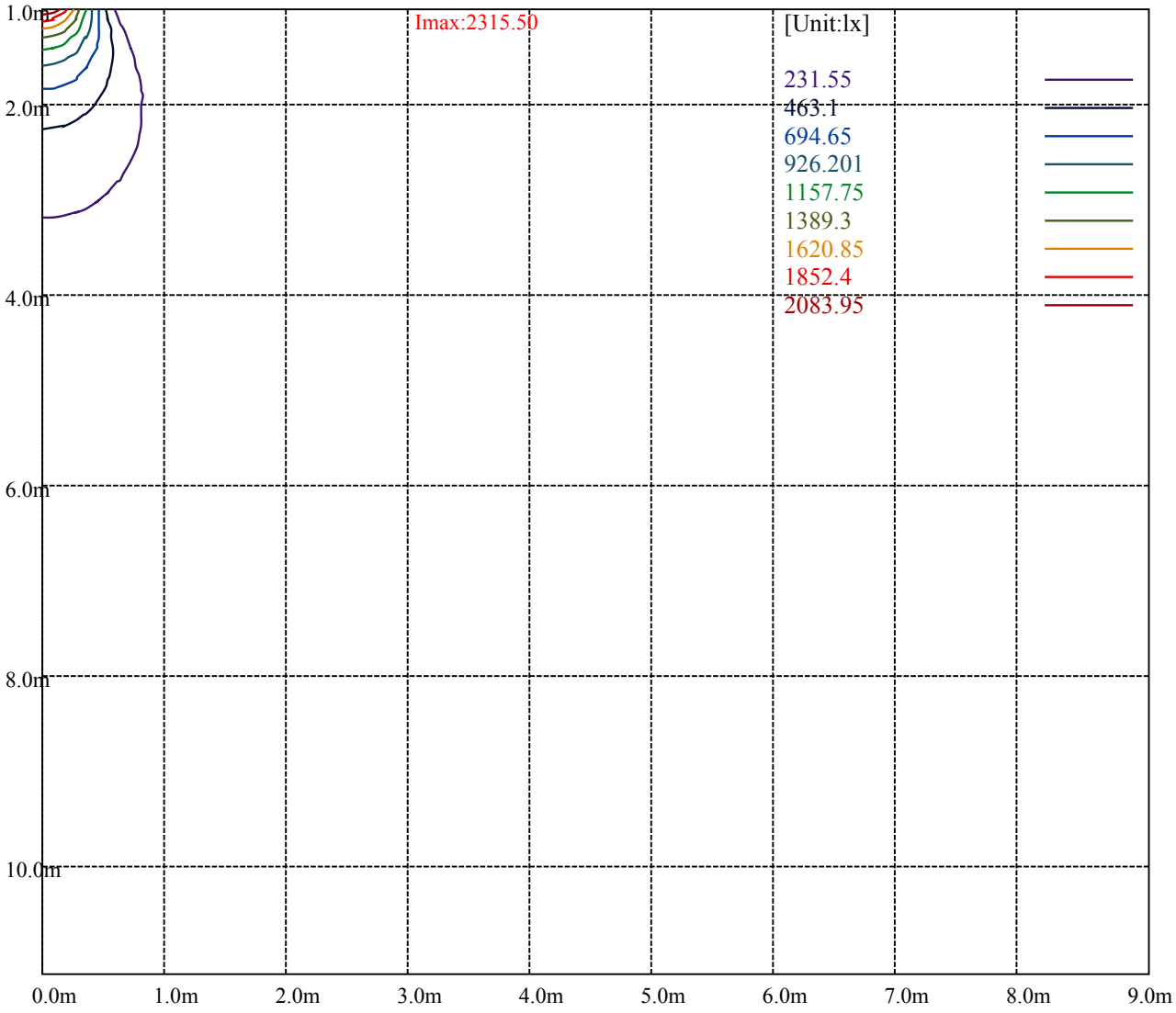
House [Unit:cd] Road

Imax:2315.50

(10%Imax) 231.55
(20%Imax) 463.1
(30%Imax) 694.65
(40%Imax) 926.201
(50%Imax) 1157.75
(60%Imax) 1389.3
(70%Imax) 1620.85
(80%Imax) 1852.4
(90%Imax) 2083.95

Equipment: GMS1980	Date: 2024/7/23	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/7/23
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

NT 1-1306-L

Luminance Limitting Curve(no luminous side)

Luminance Table

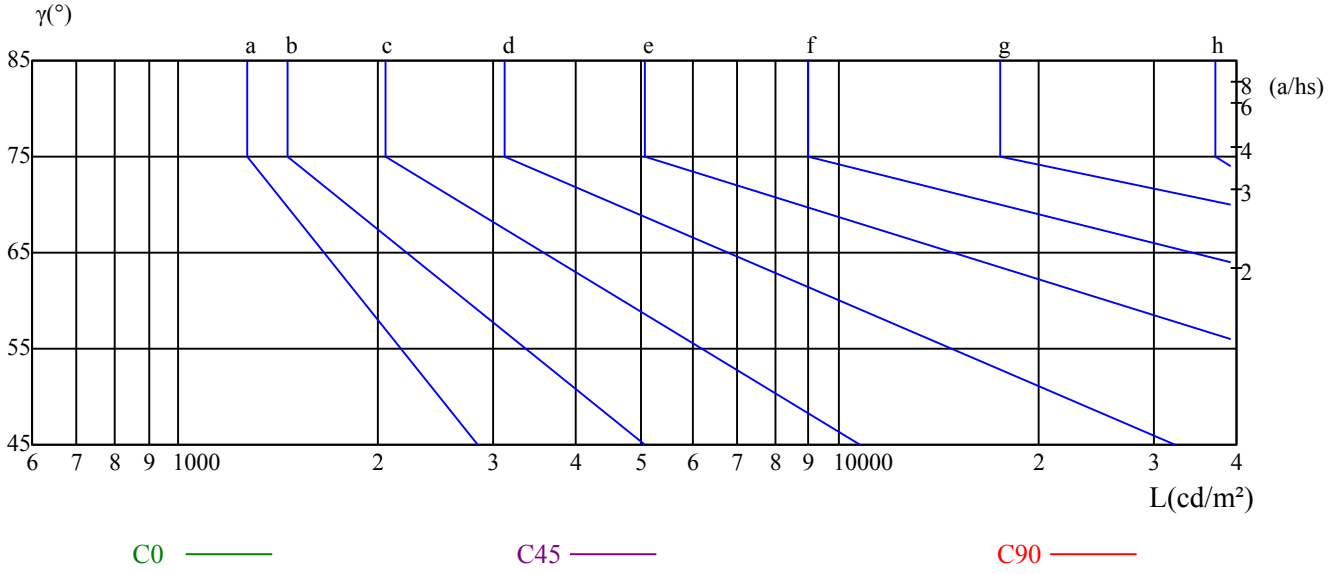
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

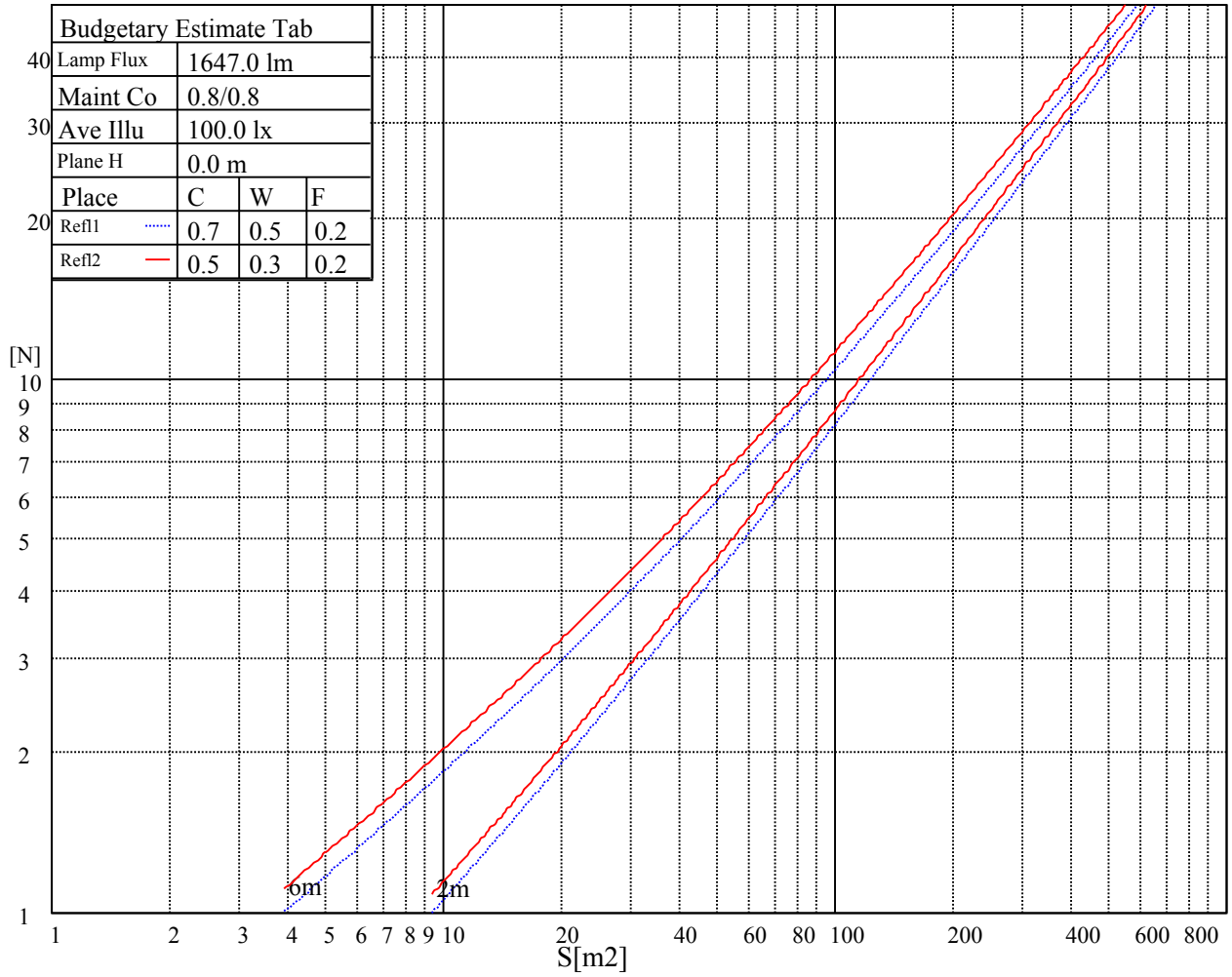
Luminance Limitting Curve



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

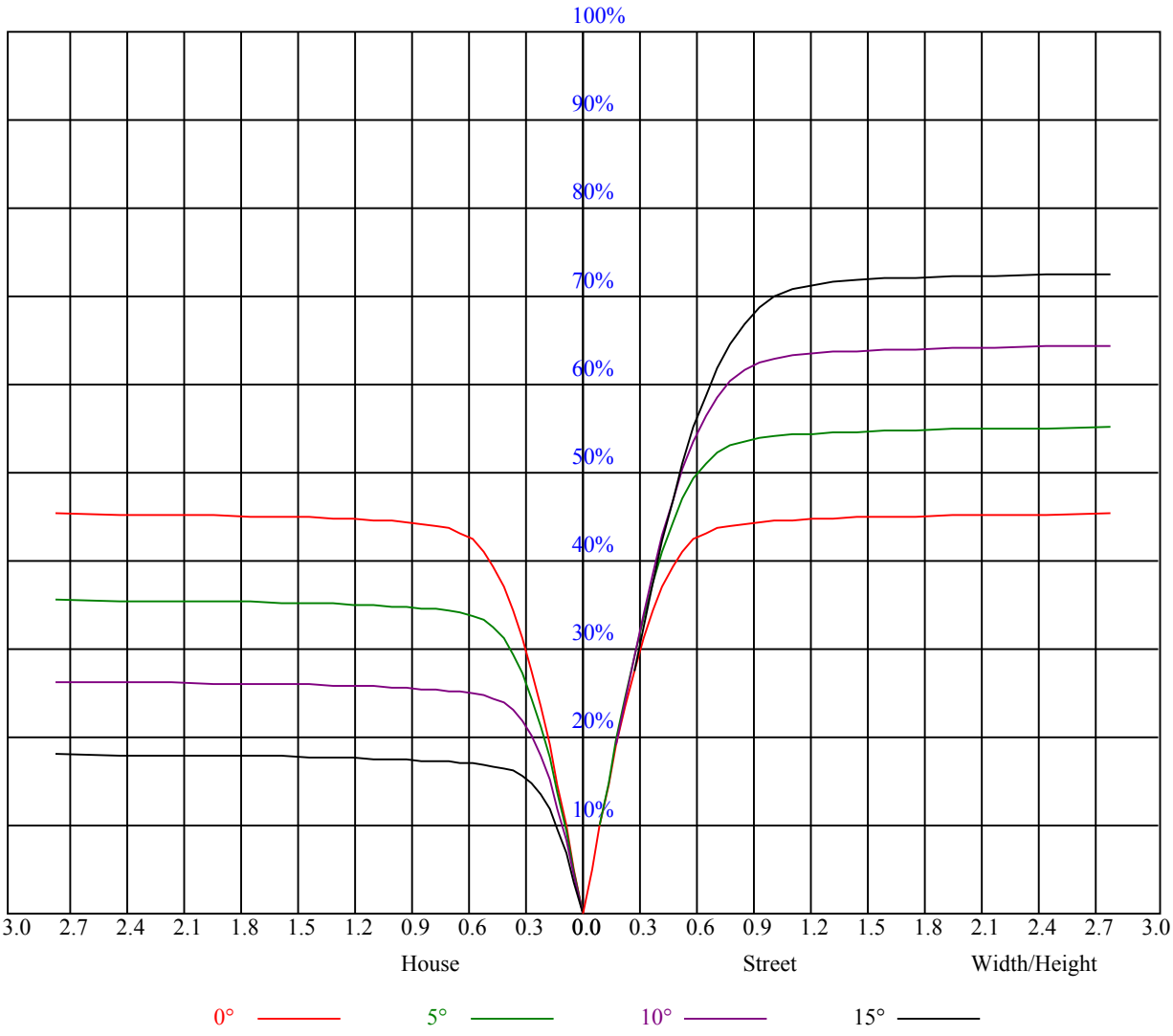


Equipment: GMS1980 Date: 2024/7/23 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

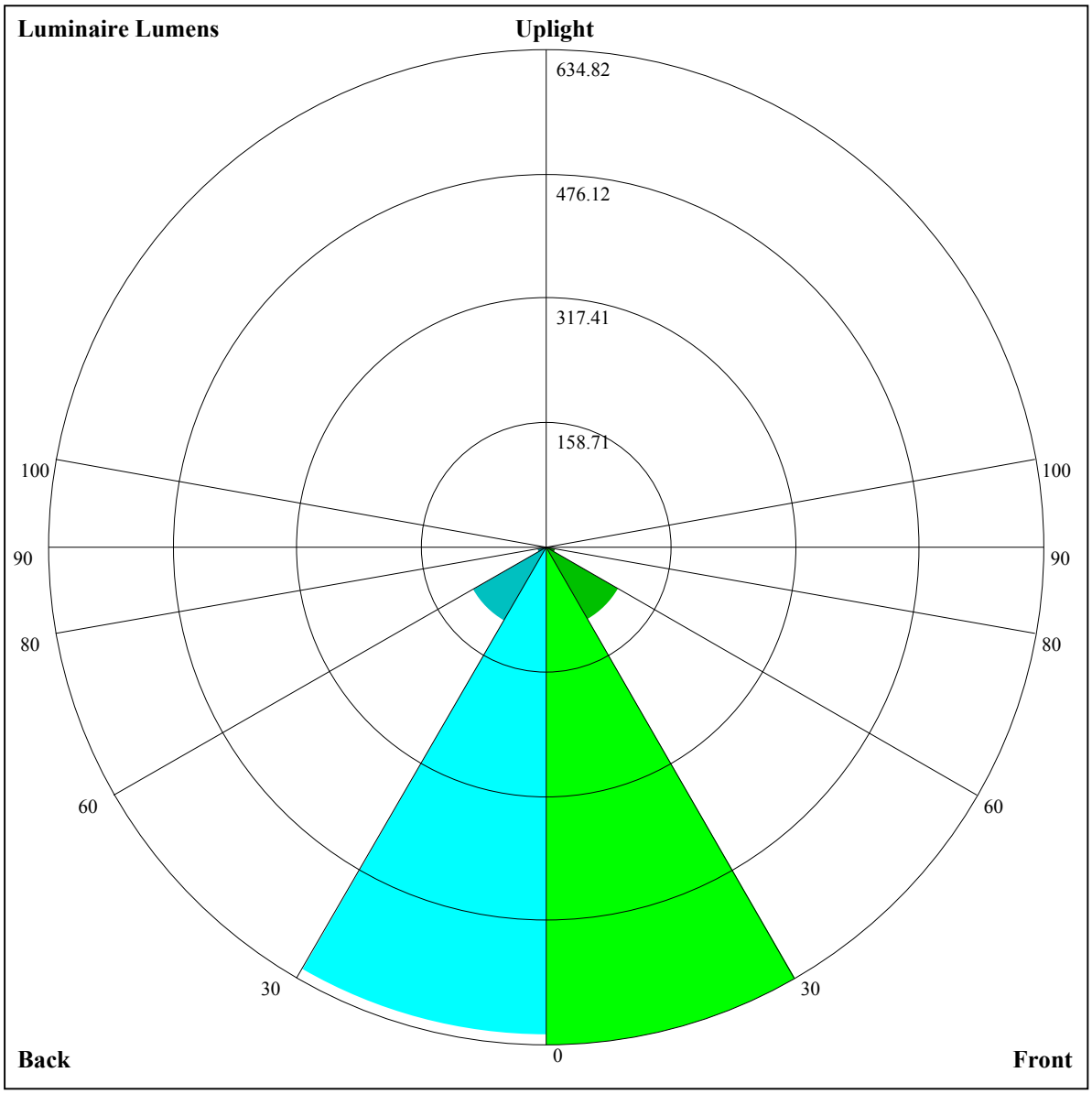
Utilization factor table for indoor luminaire

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	1.09	1.09	1.09	1.06	1.06	1.06	1.02	1.02	1.02	0.97	0.97	0.97	0.93	0.93	0.93	0.91
1	1.01	0.99	0.97	0.99	0.97	0.96	0.96	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.87	0.86
2	0.95	0.91	0.88	0.93	0.90	0.87	0.90	0.88	0.85	0.88	0.85	0.84	0.85	0.83	0.82	0.80
3	0.89	0.85	0.81	0.88	0.84	0.81	0.85	0.82	0.79	0.83	0.81	0.78	0.81	0.79	0.77	0.76
4	0.84	0.79	0.76	0.83	0.79	0.75	0.81	0.77	0.74	0.79	0.76	0.73	0.78	0.75	0.73	0.71
5	0.79	0.74	0.71	0.78	0.74	0.70	0.77	0.73	0.70	0.75	0.72	0.69	0.74	0.71	0.69	0.67
6	0.75	0.70	0.66	0.74	0.70	0.66	0.73	0.69	0.66	0.72	0.68	0.65	0.71	0.67	0.65	0.64
7	0.71	0.66	0.63	0.71	0.66	0.63	0.70	0.65	0.62	0.69	0.65	0.62	0.68	0.64	0.62	0.60
8	0.68	0.63	0.59	0.67	0.63	0.59	0.66	0.62	0.59	0.65	0.62	0.59	0.65	0.61	0.58	0.57
9	0.65	0.60	0.56	0.64	0.59	0.56	0.63	0.59	0.56	0.63	0.59	0.56	0.62	0.58	0.56	0.55
10	0.62	0.57	0.54	0.61	0.57	0.53	0.61	0.56	0.53	0.60	0.56	0.53	0.59	0.56	0.53	0.52

Coefficient Utilization Curve



Equipment: GMS1980	Date: 2024/7/23	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65



Luminaire Lumens:
FL=634.82,FM=106.34,FH=11.64,FVH=4.1
BL=622.34,BM=109.36,BH=11.72,BVH=4.1
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	2316.38	2319.89	2326.91	2315.79	2313.45	2308.77	2294.73	2284.78	2266.05
45.0	2307.60	2315.21	2313.45	2323.40	2316.96	2304.09	2290.04	2268.98	2256.10
90.0	2319.31	2320.48	2321.65	2319.31	2304.67	2290.04	2260.78	2227.42	2204.02
135.0	2318.72	2318.72	2314.62	2312.87	2307.02	2293.56	2269.56	2229.77	2197.58
180.0	2316.38	2310.53	2298.82	2285.36	2267.22	2249.66	2223.33	2195.82	2177.10
225.0	2307.60	2299.41	2278.34	2265.46	2242.64	2233.86	2216.31	2188.80	2162.46
270.0	2319.31	2319.31	2305.26	2291.80	2294.14	2290.04	2273.07	2251.42	2231.52
315.0	2318.72	2316.96	2312.87	2307.02	2299.41	2288.87	2266.05	2255.52	2233.86
360.0	2316.38	2319.89	2326.91	2315.79	2313.45	2308.77	2294.73	2284.78	2266.05

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	2232.11	2201.67	2161.88	2106.87	2058.88	2005.62	1956.47	1889.16	1835.32
45.0	2239.13	2212.21	2181.19	2149.00	2088.73	2050.69	1996.85	1921.35	1862.83
90.0	2167.73	2129.11	2078.78	2030.20	1987.48	1927.20	1856.98	1791.43	1724.13
135.0	2168.90	2135.54	2087.56	2044.83	1998.02	1927.20	1875.12	1817.18	1752.22
180.0	2143.15	2109.21	2071.76	2019.67	1959.98	1908.48	1843.52	1791.43	1748.13
225.0	2139.64	2083.46	2037.23	1979.29	1928.96	1872.19	1824.79	1772.71	1714.18
270.0	2205.77	2170.66	2136.13	2080.53	2026.11	1971.68	1920.18	1849.95	1795.53
315.0	2199.33	2162.46	2124.43	2084.04	2025.52	1972.27	1920.18	1852.88	1794.94
360.0	2232.11	2201.67	2161.88	2106.87	2058.88	2005.62	1956.47	1889.16	1835.32

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1776.80	1689.60	1610.60	1531.59	1439.13	1359.54	1149.21	1149.21	1084.42
45.0	1802.55	1741.69	1653.90	1577.83	1494.14	1420.98	1319.74	1236.64	1131.30
90.0	1666.19	1578.41	1502.92	1428.01	1344.32	1166.59	1166.59	1082.84	988.80
135.0	1699.55	1630.50	1569.63	1487.70	1418.06	1349.59	1264.14	1192.16	1114.91
180.0	1689.02	1629.91	1567.29	1508.18	1422.74	1356.61	1290.48	1219.08	1124.86
225.0	1638.10	1580.17	1524.57	1443.22	1369.49	1258.29	1156.87	1138.38	1053.76
270.0	1747.54	1674.97	1616.45	1545.64	1463.12	1398.16	1314.47	1243.08	1172.85
315.0	1729.98	1645.71	1578.41	1507.01	1432.69	1339.05	1164.42	1164.42	1105.55
360.0	1776.80	1689.60	1610.60	1531.59	1439.13	1359.54	1149.21	1149.21	1084.42

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	984.17	880.35	746.57	637.60	537.18	441.96	333.29	257.26	193.48
45.0	1040.00	934.08	798.31	692.96	592.31	495.74	383.97	303.21	303.21
90.0	861.57	754.24	625.78	525.18	431.78	325.85	253.23	191.72	133.90
135.0	1018.35	886.67	780.75	675.99	552.51	457.70	372.26	312.57	312.57
180.0	1043.51	942.27	805.33	693.55	588.79	463.56	374.60	296.18	296.18
225.0	929.86	830.08	730.13	624.49	497.32	406.73	325.44	254.81	183.47
270.0	1088.58	972.70	873.80	770.21	670.14	543.15	449.51	364.65	306.72
315.0	986.46	886.67	781.45	674.00	546.07	449.45	361.79	266.28	202.60
360.0	984.17	880.35	746.57	637.60	537.18	441.96	333.29	257.26	193.48

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	135.77	107.92	87.67	75.38	65.95	58.64	50.97	45.82	41.61
45.0	218.64	120.44	97.21	82.34	70.93	60.34	53.72	46.76	42.14
90.0	105.69	89.01	76.84	64.78	57.59	51.50	46.00	40.20	36.05
135.0	158.19	117.57	98.20	84.45	73.45	63.15	56.30	50.50	45.47
180.0	165.15	133.14	107.68	93.17	81.52	72.22	64.43	56.71	51.50
225.0	143.50	116.93	94.34	80.94	70.46	60.16	53.84	47.11	42.66
270.0	306.72	154.44	120.85	94.57	80.06	66.42	58.58	52.14	46.76
315.0	141.80	111.13	91.94	78.36	65.43	57.59	50.91	44.54	40.26
360.0	135.77	107.92	87.67	75.38	65.95	58.64	50.97	45.82	41.61

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	33.94	31.37	29.20	27.10	25.63	24.35	22.88	21.83
45.0	38.04	33.77	30.84	28.32	25.87	24.23	22.71	21.48	20.13
90.0	32.66	29.09	26.80	24.64	23.17	21.77	20.54	19.31	18.43
135.0	40.03	36.40	33.36	29.96	27.86	25.46	23.88	22.47	21.30
180.0	46.99	42.37	39.21	35.70	33.24	31.13	28.73	27.04	25.52
225.0	38.80	35.58	32.01	29.61	27.62	25.81	23.82	22.41	21.19
270.0	41.02	37.34	34.06	31.13	28.21	26.22	24.64	23.12	21.54
315.0	36.75	33.65	30.84	27.86	26.04	24.11	22.59	21.24	19.78
360.0	37.92	33.94	31.37	29.20	27.10	25.63	24.35	22.88	21.83

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	20.89	19.90	19.08	18.38	17.62	16.74	16.15	15.57	14.98
45.0	19.14	18.32	17.56	16.80	16.21	15.63	15.04	14.63	14.16
90.0	17.67	16.97	16.15	15.63	15.16	14.63	14.28	13.87	13.40
135.0	20.01	18.96	18.08	17.03	16.33	15.74	15.16	14.51	14.10
180.0	24.11	22.41	21.19	20.07	19.02	17.91	17.09	16.39	15.63
225.0	20.01	18.67	17.73	16.68	15.98	15.39	14.69	14.22	13.87
270.0	20.31	18.96	17.97	17.09	16.27	15.51	14.98	14.57	14.05
315.0	18.79	17.79	16.85	16.15	15.51	14.98	14.40	13.99	13.58
360.0	20.89	19.90	19.08	18.38	17.62	16.74	16.15	15.57	14.98

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	14.46	14.10	13.69	13.23	12.87	12.52	12.11	11.76	11.41
45.0	13.69	13.40	13.05	12.64	12.35	12.06	11.76	11.41	11.12
90.0	13.05	12.76	12.35	12.06	11.76	11.41	11.18	10.89	10.65
135.0	13.75	13.34	12.93	12.64	12.23	11.94	11.65	11.29	11.00
180.0	15.16	14.69	14.10	13.64	13.17	12.70	12.41	12.06	11.70
225.0	13.46	13.11	12.64	12.29	12.00	11.65	11.35	11.00	10.77
270.0	13.58	13.23	12.93	12.47	12.11	11.82	11.53	11.24	11.00
315.0	13.23	12.82	12.47	12.17	11.82	11.53	11.18	10.94	10.65
360.0	14.46	14.10	13.69	13.23	12.87	12.52	12.11	11.76	11.41

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	11.12	10.89	10.53	10.24	9.95	9.71	9.48	9.19	8.95
45.0	10.89	10.59	10.30	10.07	9.77	9.48	9.25	8.95	8.72
90.0	10.36	10.07	9.83	9.60	9.25	9.01	8.66	8.49	8.25
135.0	10.71	10.48	10.12	9.89	9.60	9.42	9.13	8.84	8.60
180.0	11.35	11.06	10.71	10.48	10.12	9.83	9.48	9.25	9.01
225.0	10.48	10.24	9.95	9.71	9.42	9.19	8.95	8.72	8.54
270.0	10.65	10.42	10.07	9.83	9.60	9.42	9.07	8.84	8.66
315.0	10.42	10.12	9.89	9.60	9.36	9.07	8.84	8.66	8.37
360.0	11.12	10.89	10.53	10.24	9.95	9.71	9.48	9.19	8.95

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	8.72	8.49	8.19	8.02	7.78	7.49	7.32	7.20	6.91
45.0	8.49	8.19	7.96	7.78	7.55	7.37	7.08	6.91	6.73
90.0	8.02	7.84	7.61	7.43	7.26	7.02	6.85	6.67	6.61
135.0	8.31	8.13	7.90	7.67	7.43	7.32	7.02	6.91	6.73
180.0	8.66	8.43	8.19	7.96	7.78	7.49	7.26	7.08	6.85
225.0	8.25	8.02	7.84	7.61	7.37	7.20	7.02	6.85	6.73
270.0	8.43	8.19	7.96	7.72	7.49	7.26	7.08	6.91	6.85
315.0	8.13	7.90	7.67	7.49	7.32	7.08	6.96	6.79	6.67
360.0	8.72	8.49	8.19	8.02	7.78	7.49	7.32	7.20	6.91

Intensity data(cd)

C/γ(°)	90.0
0.0	6.61
45.0	6.61
90.0	6.61
135.0	6.55
180.0	6.61
225.0	6.61
270.0	6.67
315.0	6.55
360.0	6.61