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NT

Client:
LumCAT: 2-2681-L
Luminaire: 92.70.411.00
Report No: 2024402-B008
Ballast type: AC

Test No: 2024402-C008	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): 1826.79, Efficiency(%): 82.96% , Luminous Efficacy(lm/W): 107.13
Central intensity(cd): 3384.269, Maximum intensity(cd): 3384.269
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=43.4
[C90/270]Total=43.4
Field angle(10%Imax): [C0/180]Total=67.6
[C90/270]Total=67.6
Maximum s/h(1/2): C0_180=0.70 C90_270=0.70
Maximum s/h(1/4): C0_180=0.69 C90_270=0.69
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 82.96%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 97.700%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	3384.268	0.000	0	0.00%	0.00%
1.0	3379.660	3.236	3.236	0.15%	0.18%
2.0	3363.639	9.679	12.915	0.44%	0.71%
3.0	3337.377	16.027	28.942	0.73%	1.58%
4.0	3304.385	22.232	51.174	1.01%	2.80%
5.0	3264.517	28.259	79.433	1.28%	4.35%
6.0	3211.920	34.035	113.468	1.55%	6.21%
7.0	3157.421	39.534	153.003	1.80%	8.38%
8.0	3091.729	44.724	197.727	2.03%	10.82%
9.0	3022.453	49.552	247.279	2.25%	13.54%
10.0	2947.544	54.026	301.305	2.45%	16.49%
11.0	2866.710	58.096	359.401	2.64%	19.67%
12.0	2781.121	61.739	421.14	2.80%	23.05%
13.0	2695.020	64.988	486.128	2.95%	26.61%
14.0	2597.653	67.746	553.874	3.08%	30.32%
15.0	2499.993	69.983	623.857	3.18%	34.15%
16.0	2389.020	71.638	695.494	3.25%	38.07%
17.0	2281.412	72.731	768.226	3.30%	42.05%
18.0	2165.537	73.321	841.546	3.33%	46.07%
19.0	2043.298	73.225	914.771	3.33%	50.08%
20.0	1907.819	72.316	987.088	3.28%	54.03%
21.0	1784.556	70.901	1057.989	3.22%	57.92%
22.0	1654.782	69.115	1127.104	3.14%	61.70%
23.0	1510.583	66.418	1193.522	3.02%	65.33%
24.0	1387.495	63.362	1256.884	2.88%	68.80%
25.0	1245.381	59.866	1316.75	2.72%	72.08%
26.0	1158.709	56.749	1373.499	2.58%	75.19%
27.0	1056.448	54.194	1427.693	2.46%	78.15%
28.0	936.294	50.452	1478.145	2.29%	80.91%
29.0	819.139	45.927	1524.072	2.09%	83.43%
30.0	703.616	41.114	1565.186	1.87%	85.68%
31.0	593.360	36.093	1601.279	1.64%	87.66%
32.0	490.938	31.064	1632.343	1.41%	89.36%
33.0	397.251	26.166	1658.509	1.19%	90.79%
34.0	323.739	21.819	1680.329	0.99%	91.98%
35.0	263.695	18.244	1698.572	0.83%	92.98%
36.0	183.029	14.224	1712.796	0.65%	93.76%
37.0	129.561	10.195	1722.991	0.46%	94.32%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	82.268	7.071	1730.062	0.32%	94.70%
39.0	60.322	4.867	1734.929	0.22%	94.97%
40.0	49.356	3.825	1738.754	0.17%	95.18%
41.0	43.190	3.296	1742.049	0.15%	95.36%
42.0	39.144	2.991	1745.041	0.14%	95.52%
43.0	36.043	2.785	1747.826	0.13%	95.68%
44.0	33.658	2.631	1750.456	0.12%	95.82%
45.0	31.734	2.513	1752.969	0.11%	95.96%
46.0	30.300	2.426	1755.395	0.11%	96.09%
47.0	28.998	2.358	1757.754	0.11%	96.22%
48.0	27.827	2.297	1760.051	0.10%	96.35%
49.0	26.781	2.243	1762.294	0.10%	96.47%
50.0	25.904	2.197	1764.49	0.10%	96.59%
51.0	25.099	2.158	1766.648	0.10%	96.71%
52.0	24.353	2.122	1768.77	0.10%	96.82%
53.0	23.680	2.089	1770.859	0.09%	96.94%
54.0	23.065	2.060	1772.92	0.09%	97.05%
55.0	22.509	2.034	1774.954	0.09%	97.16%
56.0	21.968	2.010	1776.964	0.09%	97.27%
57.0	21.463	1.986	1778.95	0.09%	97.38%
58.0	20.966	1.962	1780.912	0.09%	97.49%
59.0	20.519	1.939	1782.851	0.09%	97.59%
60.0	20.066	1.917	1784.769	0.09%	97.70%
61.0	19.561	1.891	1786.66	0.09%	97.80%
62.0	19.064	1.861	1788.521	0.08%	97.90%
63.0	18.603	1.832	1790.353	0.08%	98.01%
64.0	18.120	1.802	1792.155	0.08%	98.10%
65.0	17.630	1.769	1793.924	0.08%	98.20%
66.0	17.125	1.734	1795.658	0.08%	98.30%
67.0	16.657	1.699	1797.357	0.08%	98.39%
68.0	16.372	1.673	1799.03	0.08%	98.48%
69.0	16.189	1.661	1800.691	0.08%	98.57%
70.0	15.969	1.652	1802.343	0.08%	98.66%
71.0	15.428	1.623	1803.965	0.07%	98.75%
72.0	15.040	1.584	1805.55	0.07%	98.84%
73.0	14.733	1.557	1807.106	0.07%	98.92%
74.0	13.980	1.509	1808.616	0.07%	99.00%
75.0	13.797	1.468	1810.084	0.07%	99.09%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	13.204	1.433	1811.517	0.07%	99.16%
77.0	12.860	1.390	1812.907	0.06%	99.24%
78.0	12.407	1.353	1814.259	0.06%	99.31%
79.0	11.975	1.310	1815.569	0.06%	99.39%
80.0	11.514	1.266	1816.836	0.06%	99.45%
81.0	10.871	1.211	1818.046	0.05%	99.52%
82.0	10.344	1.150	1819.196	0.05%	99.58%
83.0	9.868	1.099	1820.295	0.05%	99.64%
84.0	9.378	1.049	1821.344	0.05%	99.70%
85.0	8.910	0.998	1822.342	0.05%	99.76%
86.0	8.398	0.946	1823.288	0.04%	99.81%
87.0	8.120	0.904	1824.192	0.04%	99.86%
88.0	7.930	0.879	1825.071	0.04%	99.91%
89.0	7.842	0.864	1825.936	0.04%	99.95%
90.0	7.791	0.857	1826.793	0.04%	100.00%

Zonal flux distribution table

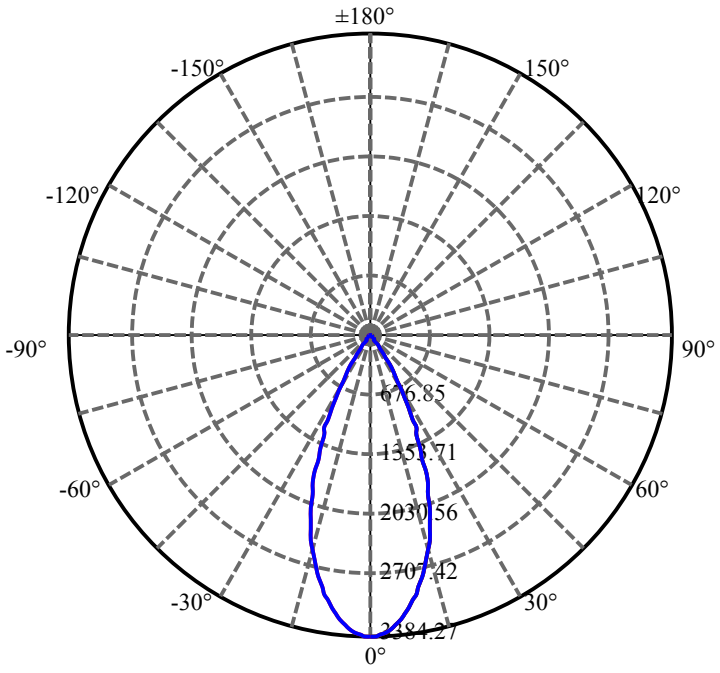
ZONAL LUMEN SUMMARY

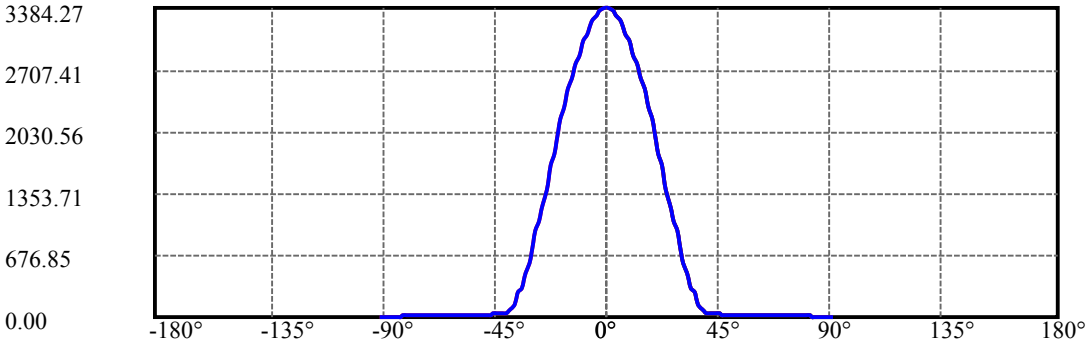
Zone	Lumens	%Lamp	%Fixt
0-30	1565.19	71.08%	85.68%
0-40	1738.75	78.96%	95.18%
0-60	1784.77	81.05%	97.70%
0-90	1825.94	82.92%	99.95%
0-120	1825.94	82.92%	99.95%
0-180	1826.79	82.96%	100.00%
60-90	41.17	1.87%	2.25%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-27.67	1461.43	66.37%	80.00%

ZONAL LUMEN SUMMARY

0-10	301.31
10-20	685.78
20-30	578.10
30-40	173.57
40-50	25.74
50-60	20.28
60-70	17.57
70-80	14.49
80-90	9.10
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):

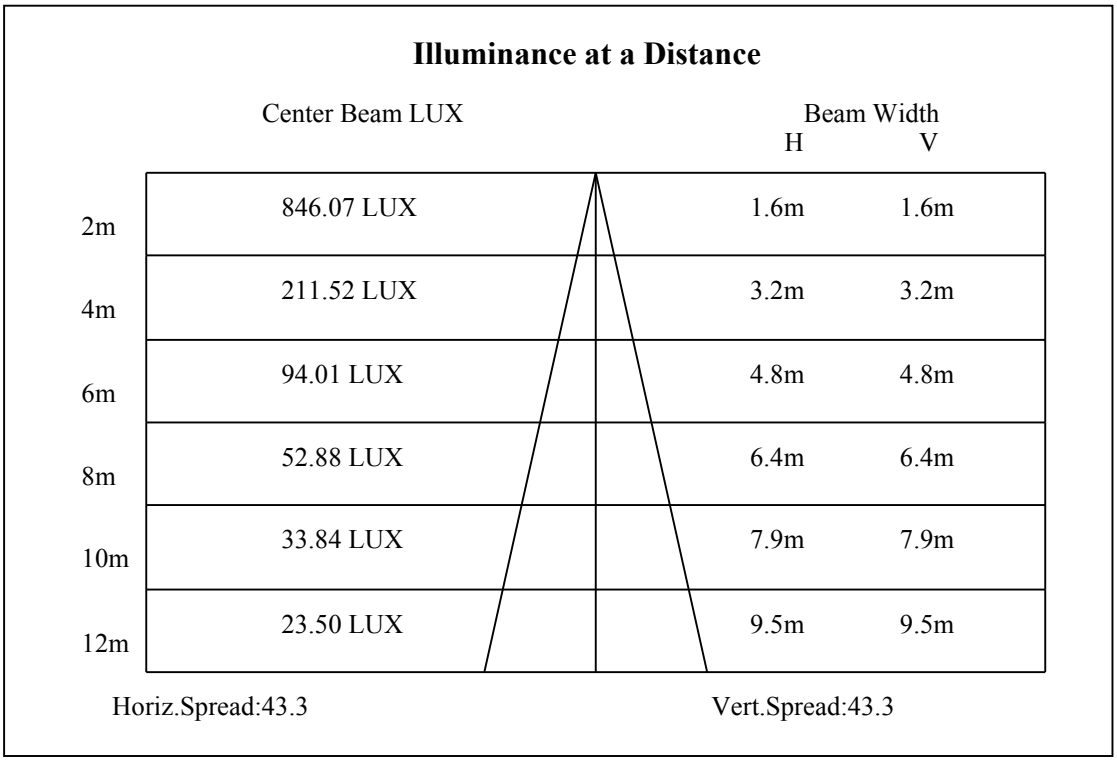
C0/C180:

C90/C270:

Field angle(10%Imax):C0/180Left:33.8 Right:33.8
:C90/270Left:33.8 Right:33.8

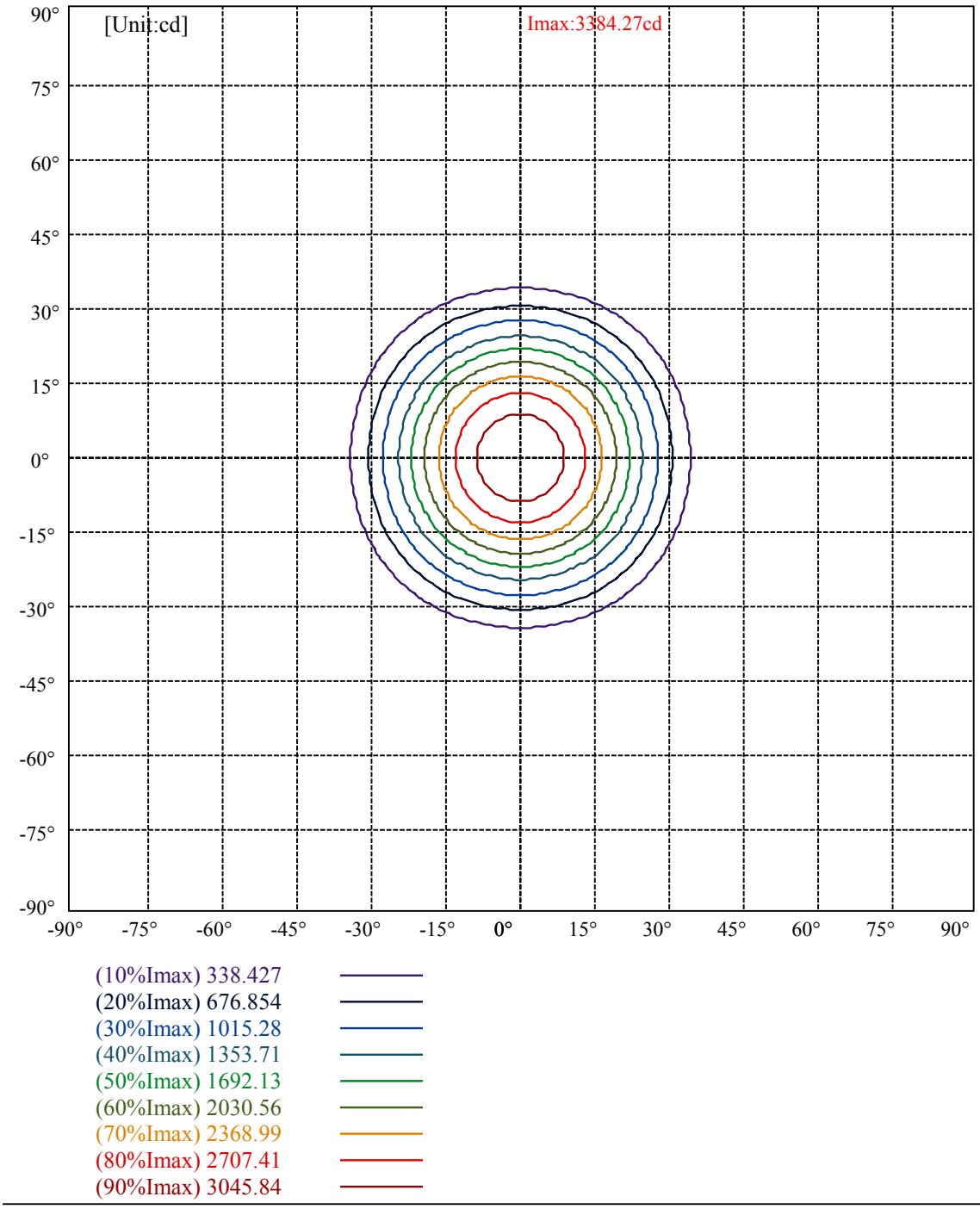
Beam Angle(50%Imax):C0/180Left:21.7 Right:21.7
:C90/270Left:21.7 Right:21.7

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)



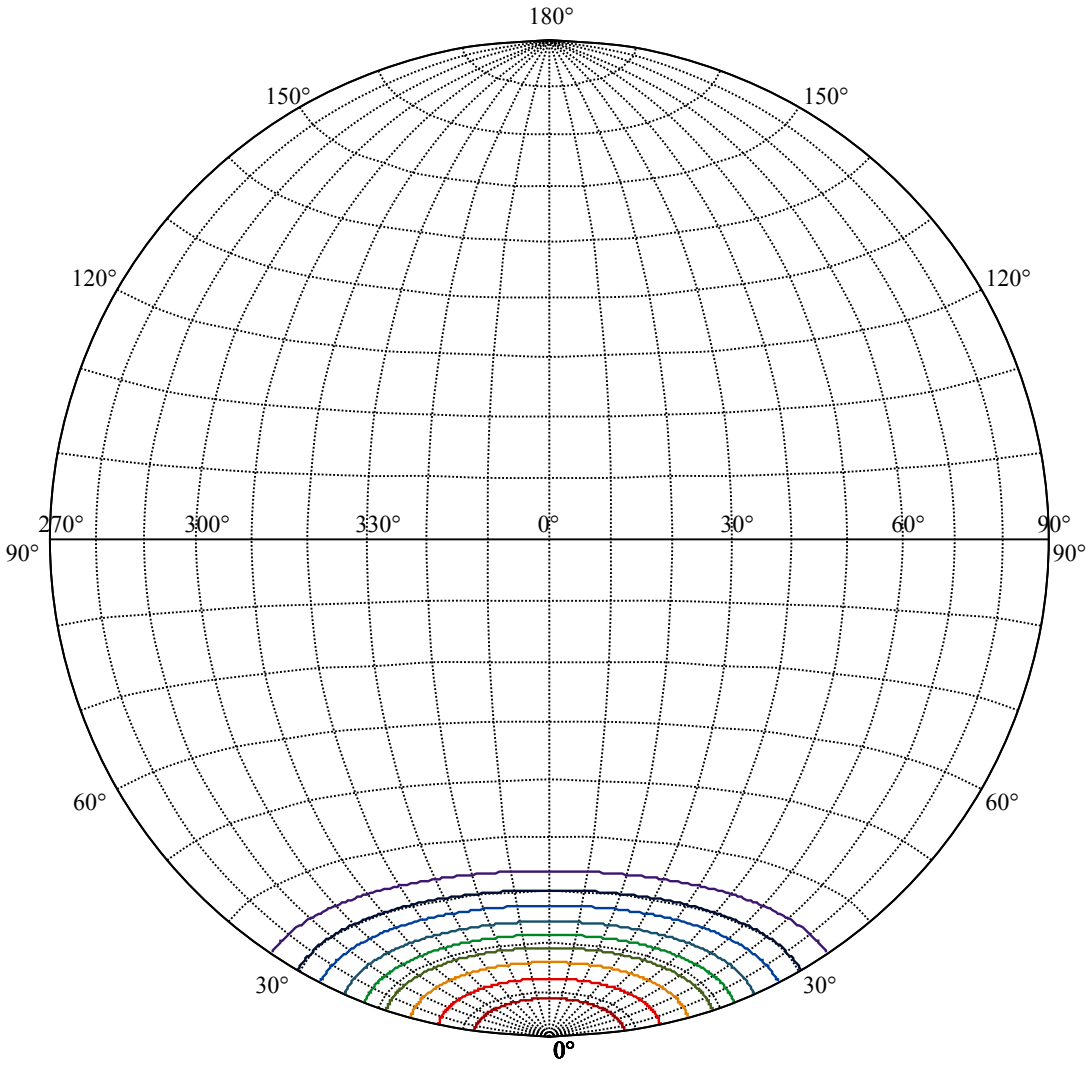
(10%Imax) 338.427
(20%Imax) 676.854
(30%Imax) 1015.28
(40%Imax) 1353.71
(50%Imax) 1692.13
(60%Imax) 2030.56
(70%Imax) 2368.99
(80%Imax) 2707.41
(90%Imax) 3045.84

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

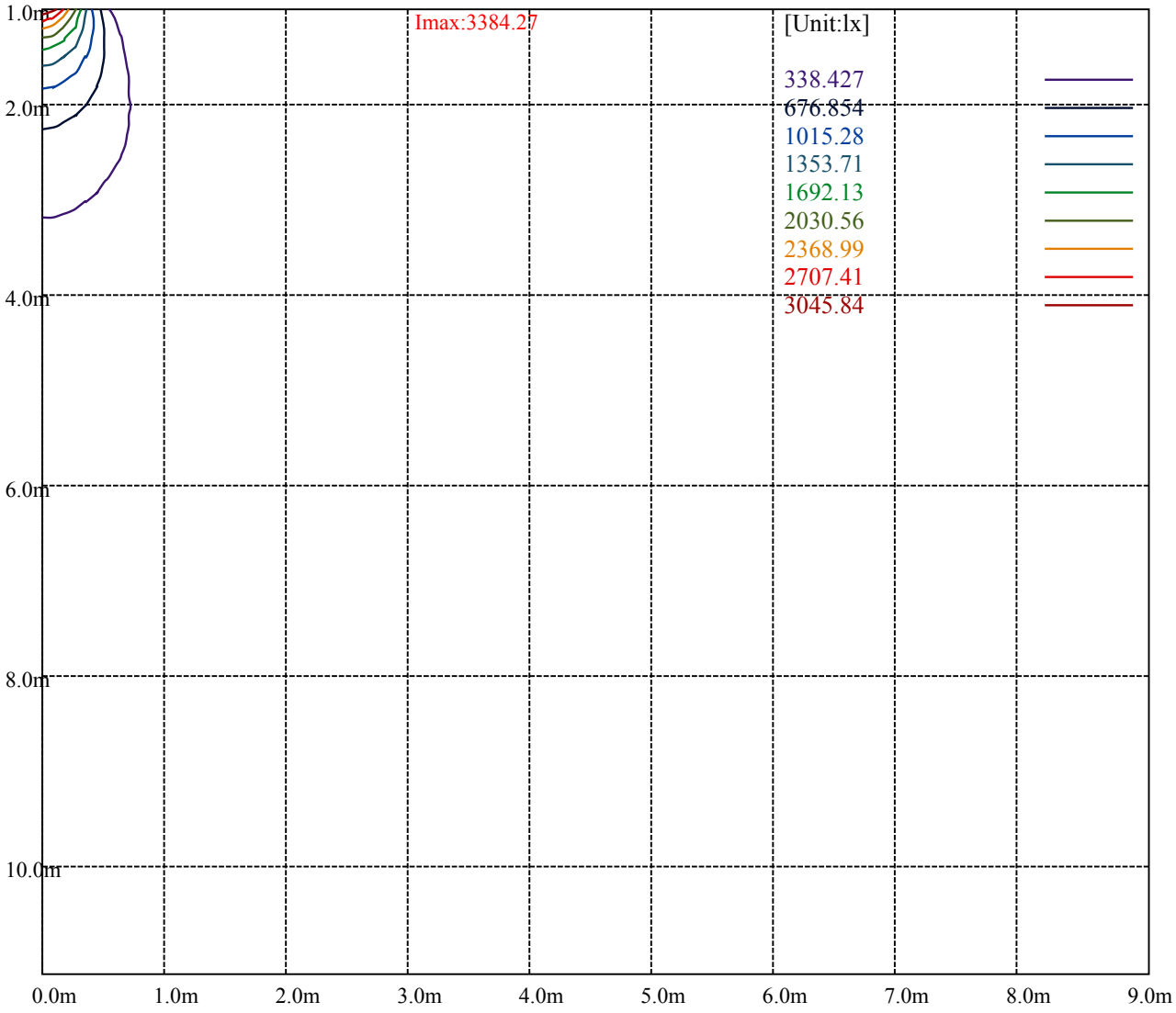


[Unit:cd]

Imax:3384.27

(10%Imax) 338.427
(20%Imax) 676.854
(30%Imax) 1015.28
(40%Imax) 1353.71
(50%Imax) 1692.13
(60%Imax) 2030.56
(70%Imax) 2368.99
(80%Imax) 2707.41
(90%Imax) 3045.84

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 25.0

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

Operator: NT07
Distance(m): 7.65

Luminance Limitting Curve(no luminous side)

Luminance Table

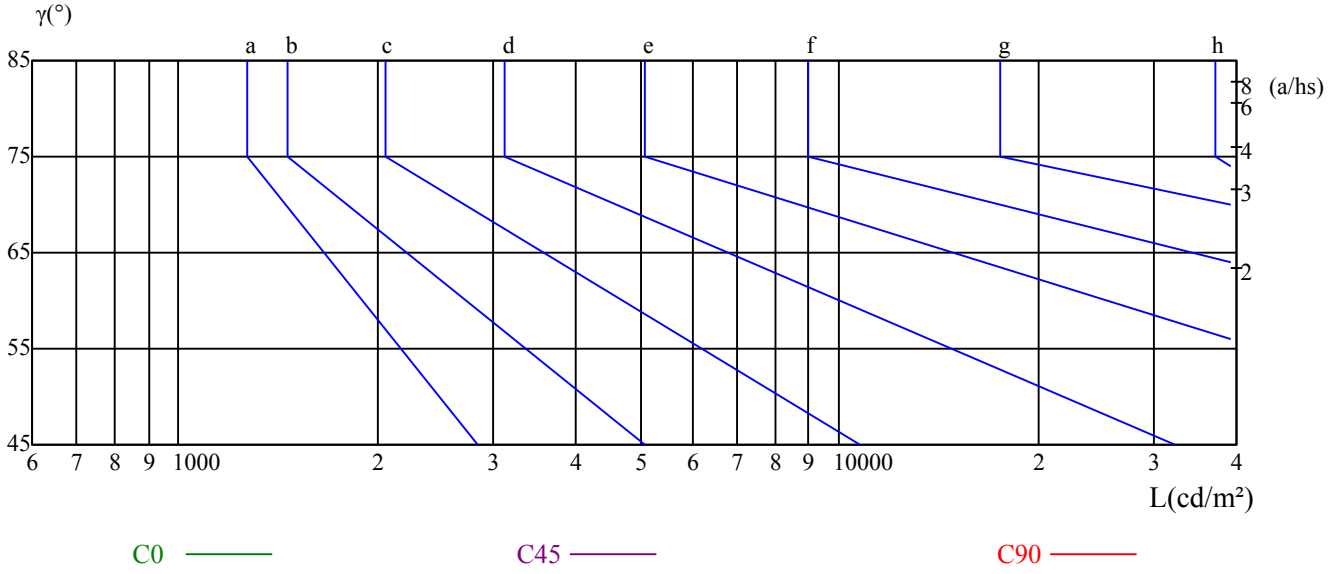
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

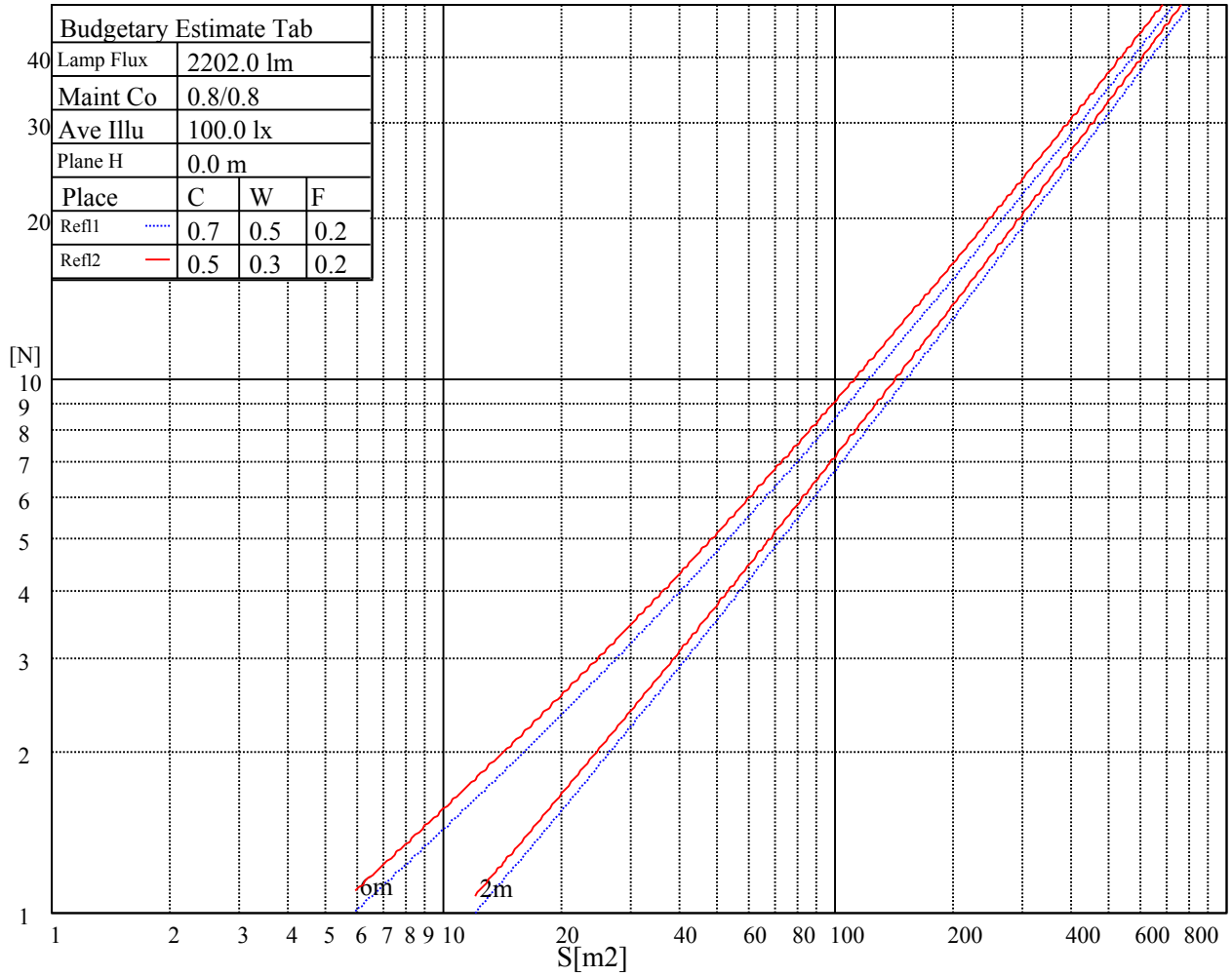
Luminance Limitting Curve



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

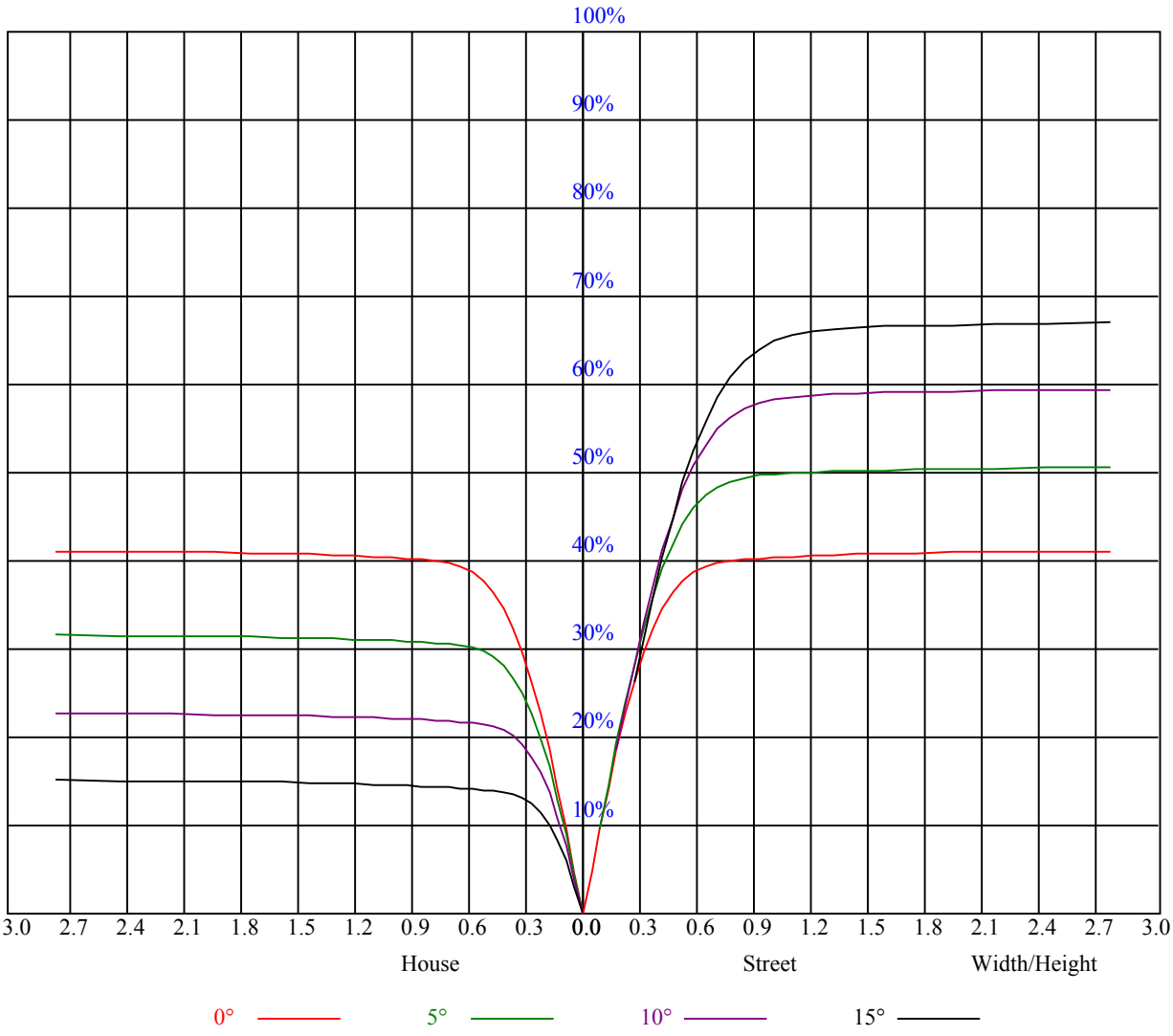


Equipment: GMS1980 Date: 2024/4/02 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

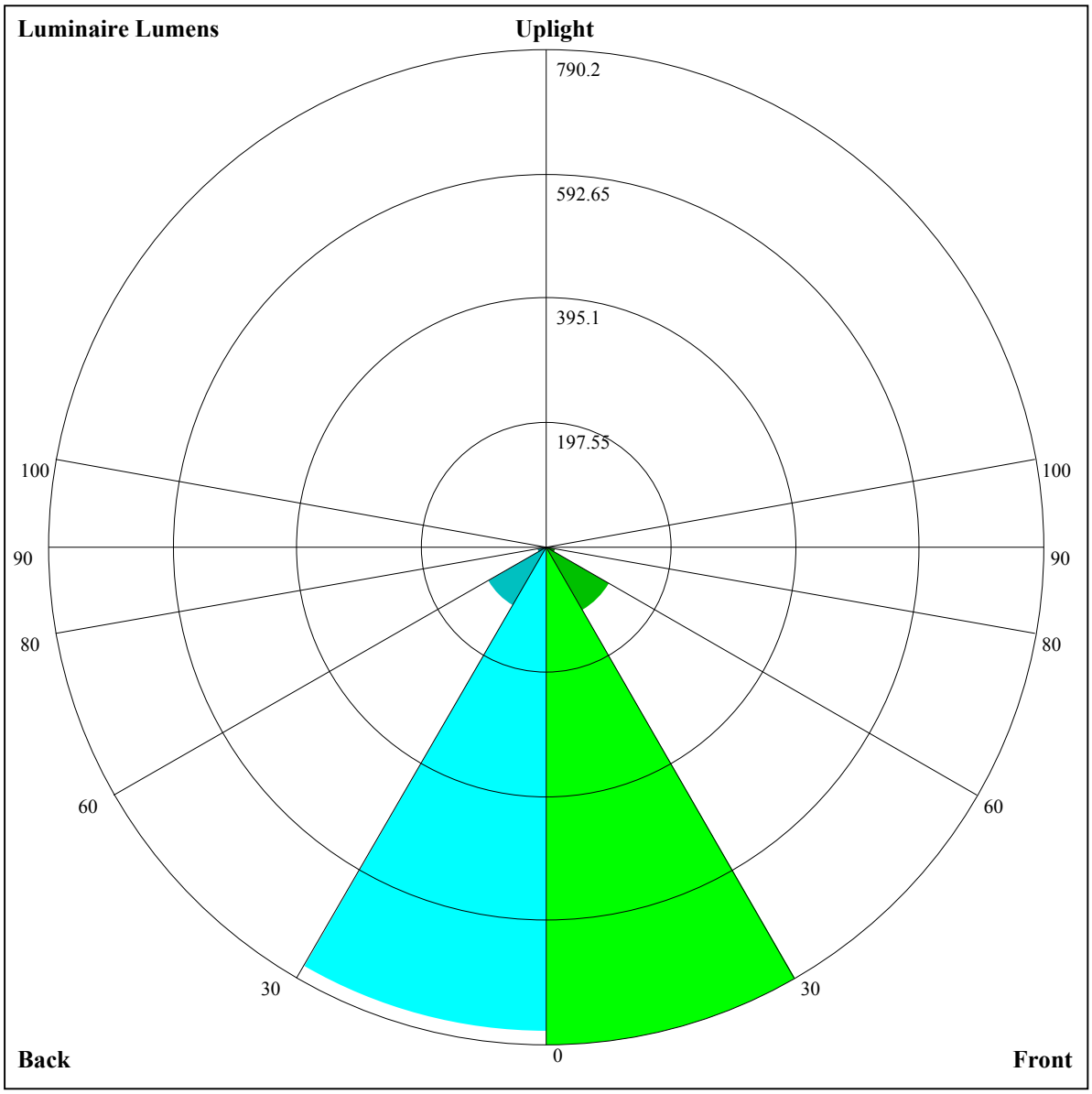
Utilization factor table for indoor luminaire

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	0.99	0.99	0.99	0.96	0.96	0.96	0.92	0.92	0.92	0.88	0.88	0.88	0.85	0.85	0.85	0.83
1	0.92	0.90	0.88	0.90	0.89	0.87	0.87	0.86	0.84	0.84	0.83	0.82	0.81	0.80	0.79	0.78
2	0.86	0.83	0.81	0.85	0.82	0.80	0.82	0.80	0.78	0.80	0.78	0.76	0.78	0.76	0.75	0.73
3	0.81	0.78	0.75	0.80	0.77	0.74	0.78	0.75	0.73	0.76	0.74	0.72	0.74	0.72	0.71	0.69
4	0.77	0.73	0.70	0.76	0.72	0.69	0.74	0.71	0.68	0.73	0.70	0.68	0.71	0.69	0.67	0.66
5	0.73	0.69	0.65	0.72	0.68	0.65	0.71	0.67	0.64	0.69	0.66	0.64	0.68	0.66	0.63	0.62
6	0.69	0.65	0.62	0.69	0.64	0.61	0.67	0.64	0.61	0.66	0.63	0.61	0.65	0.62	0.60	0.59
7	0.66	0.62	0.58	0.65	0.61	0.58	0.64	0.61	0.58	0.63	0.60	0.58	0.63	0.60	0.57	0.56
8	0.63	0.59	0.55	0.62	0.58	0.55	0.62	0.58	0.55	0.61	0.57	0.55	0.60	0.57	0.55	0.54
9	0.60	0.56	0.53	0.60	0.56	0.53	0.59	0.55	0.53	0.58	0.55	0.52	0.58	0.55	0.52	0.51
10	0.58	0.53	0.50	0.57	0.53	0.50	0.57	0.53	0.50	0.56	0.53	0.50	0.55	0.52	0.50	0.49

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=790.2,FM=117.12,FH=16.19,FVH=5.05
BL=769.91,BM=106.98,BH=15.72,BVH=4.94
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	3390.27	3386.76	3373.30	3350.47	3313.02	3273.81	3231.67	3176.66	3106.43
45.0	3379.15	3389.68	3390.85	3379.15	3362.76	3334.09	3297.22	3256.25	3196.56
90.0	3386.76	3389.68	3373.30	3353.98	3323.55	3290.78	3236.94	3191.29	3119.89
135.0	3380.90	3385.00	3380.90	3361.01	3337.01	3305.41	3267.95	3207.09	3155.01
180.0	3390.27	3381.49	3359.25	3334.09	3302.48	3263.27	3200.07	3146.81	3088.29
225.0	3379.15	3351.64	3326.48	3280.24	3233.43	3183.68	3110.53	3044.98	2974.76
270.0	3386.76	3381.49	3363.35	3332.91	3290.19	3254.49	3191.29	3135.11	3074.83
315.0	3380.90	3371.54	3341.69	3307.16	3272.64	3210.60	3159.69	3101.17	3018.06
360.0	3390.27	3386.76	3373.30	3350.47	3313.02	3273.81	3231.67	3176.66	3106.43

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	3041.47	2975.93	2903.36	2811.48	2730.13	2644.11	2532.33	2433.42	2333.35
45.0	3142.13	3077.76	2998.17	2925.01	2851.86	2749.45	2665.76	2549.88	2454.49
90.0	3059.61	2988.80	2896.92	2821.43	2739.50	2635.91	2544.62	2449.81	2346.23
135.0	3079.51	3014.55	2944.91	2851.27	2769.34	2683.90	2593.78	2474.98	2379.00
180.0	3022.16	2934.38	2855.96	2775.20	2666.93	2573.88	2482.58	2356.76	2247.32
225.0	2898.68	2800.36	2716.67	2630.64	2541.11	2421.72	2321.65	2212.21	2071.76
270.0	2987.05	2912.14	2836.64	2735.99	2644.11	2550.47	2459.17	2335.11	2230.35
315.0	2949.01	2876.44	2781.05	2697.95	2617.18	2521.79	2400.07	2299.99	2188.80
360.0	3041.47	2975.93	2903.36	2811.48	2730.13	2644.11	2532.33	2433.42	2333.35

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2199.92	2085.80	1971.10	1816.60	1698.97	1580.75	1469.56	1145.58	1145.58
45.0	2355.00	2249.66	2113.31	2000.94	1876.88	1759.83	1617.62	1507.60	1395.82
90.0	2215.14	2101.60	1982.22	1861.07	1710.09	1591.87	1452.00	1151.66	1151.66
135.0	2273.66	2163.64	2019.67	1900.87	1775.05	1629.32	1519.30	1413.38	1282.29
180.0	2139.64	1993.92	1862.83	1737.59	1587.77	1479.51	1372.41	1265.90	1126.03
225.0	1948.27	1821.28	1670.88	1554.42	1446.73	1147.57	1147.57	1089.69	974.46
270.0	2119.16	2003.28	1842.35	1721.79	1602.99	1465.46	1359.54	1227.28	1114.91
315.0	2073.51	1927.20	1800.21	1683.17	1539.79	1430.35	1161.96	1161.96	1078.92
360.0	2199.92	2085.80	1971.10	1816.60	1698.97	1580.75	1469.56	1145.58	1145.58

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1115.79	1004.36	864.20	754.12	652.41	528.40	434.35	327.14	252.47
45.0	1259.46	1150.61	1037.66	897.21	787.19	684.77	563.04	469.99	385.14
90.0	1123.16	977.27	867.42	761.96	630.35	537.53	446.23	360.26	262.82
135.0	1169.92	1023.03	907.16	797.13	692.38	567.73	473.51	388.06	307.30
180.0	1013.67	898.38	791.28	652.58	550.17	437.81	353.53	310.23	310.23
225.0	830.84	724.27	620.34	519.50	407.14	325.91	251.35	187.92	123.25
270.0	1000.21	886.09	749.73	635.61	537.30	444.83	337.15	300.86	300.86
315.0	938.53	826.34	715.32	610.80	489.95	400.53	318.83	245.44	167.49
360.0	1115.79	1004.36	864.20	754.12	652.41	528.40	434.35	327.14	252.47

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	184.87	127.81	77.43	56.59	49.16	43.19	39.15	36.34	34.24
45.0	305.55	305.55	150.11	101.07	68.12	51.21	45.71	41.14	37.45
90.0	197.86	138.23	93.58	59.05	50.39	45.00	39.44	36.23	33.36
135.0	307.30	150.58	101.01	68.35	51.50	45.94	41.61	37.16	34.65
180.0	130.10	91.70	64.96	51.32	45.94	41.55	37.92	34.88	33.01
225.0	84.33	58.87	50.91	45.76	40.38	37.28	34.88	33.07	31.02
270.0	136.47	84.39	61.33	51.32	44.95	40.85	37.57	34.70	32.83
315.0	117.75	79.36	58.82	49.10	44.42	40.50	36.87	34.82	32.71
360.0	184.87	127.81	77.43	56.59	49.16	43.19	39.15	36.34	34.24

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	32.25	30.78	29.55	28.50	27.39	26.45	25.52	24.81	24.17
45.0	34.35	32.54	30.67	29.32	28.21	26.98	26.10	25.34	24.64
90.0	31.60	30.02	28.79	27.39	26.39	25.63	24.81	23.99	23.35
135.0	32.30	30.78	29.50	28.32	27.04	26.16	25.40	24.70	23.94
180.0	31.43	30.02	28.50	27.45	26.39	25.57	24.87	23.99	23.41
225.0	29.73	28.50	27.51	26.39	25.63	24.87	24.05	23.47	22.88
270.0	30.96	29.73	28.56	27.56	26.39	25.57	24.81	24.17	23.35
315.0	31.25	30.02	28.91	27.68	26.80	25.98	25.22	24.35	23.70
360.0	32.25	30.78	29.55	28.50	27.39	26.45	25.52	24.81	24.17

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	23.29	22.71	22.24	21.71	21.13	20.78	20.37	19.90	19.37
45.0	23.88	23.23	22.71	22.18	21.59	21.13	20.72	20.01	19.55
90.0	22.88	22.30	21.59	21.13	20.60	20.19	19.78	19.20	18.79
135.0	23.41	22.88	22.41	21.83	21.36	20.89	20.48	20.07	19.49
180.0	22.88	22.41	21.83	21.36	20.95	20.48	19.96	19.49	19.02
225.0	22.24	21.71	21.13	20.66	20.25	19.84	19.25	18.79	18.32
270.0	22.77	22.24	21.77	21.19	20.78	20.19	19.78	19.37	18.79
315.0	23.17	22.59	22.06	21.65	21.07	20.66	20.19	19.66	19.20
360.0	23.29	22.71	22.24	21.71	21.13	20.78	20.37	19.90	19.37

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	18.84	18.38	17.79	17.38	16.85	16.80	17.26	18.67	18.08
45.0	19.14	18.61	18.14	17.73	17.15	16.68	16.21	15.63	15.22
90.0	18.38	17.85	17.44	16.97	16.50	15.92	15.45	15.10	14.63
135.0	19.02	18.61	18.20	17.62	17.21	16.74	16.27	15.68	15.27
180.0	18.49	18.02	17.56	16.97	16.80	17.56	18.26	18.08	16.91
225.0	17.85	17.38	16.80	16.33	15.74	15.27	14.86	14.34	13.87
270.0	18.38	17.97	17.50	16.85	16.33	15.86	15.45	14.92	14.51
315.0	18.73	18.14	17.62	17.15	16.68	16.15	15.74	15.33	14.92
360.0	18.84	18.38	17.79	17.38	16.85	16.80	17.26	18.67	18.08

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	17.38	18.55	16.44	16.74	15.22	14.86	13.99	13.17	12.47
45.0	14.69	14.16	13.69	13.23	12.76	12.35	11.94	11.65	11.29
90.0	14.05	13.64	13.17	12.70	12.47	12.23	12.06	11.76	11.35
135.0	14.86	14.40	14.05	13.81	13.40	13.11	12.87	12.76	12.23
180.0	17.15	15.98	14.34	14.10	12.64	12.11	11.59	11.24	10.89
225.0	13.34	12.76	12.41	12.06	11.82	11.41	11.12	10.89	10.65
270.0	14.10	13.58	13.17	12.99	12.70	12.64	12.23	11.59	11.18
315.0	14.75	14.81	14.57	14.75	14.63	14.16	13.46	12.76	12.06
360.0	17.38	18.55	16.44	16.74	15.22	14.86	13.99	13.17	12.47

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	11.41	10.77	10.18	9.71	9.01	8.43	8.13	7.96	7.84
45.0	11.00	10.71	10.36	10.12	9.77	9.07	8.54	8.13	7.96
90.0	10.77	10.24	9.95	9.60	9.13	8.49	8.25	8.02	7.90
135.0	11.59	10.77	10.24	9.89	9.36	8.66	8.19	8.02	7.90
180.0	10.65	10.30	9.83	9.19	8.60	8.13	7.96	7.84	7.78
225.0	10.24	9.66	9.01	8.49	8.13	7.96	7.84	7.78	7.78
270.0	10.71	10.12	9.66	9.07	8.72	8.19	8.02	7.84	7.78
315.0	10.59	10.18	9.71	8.95	8.54	8.25	8.02	7.84	7.78
360.0	11.41	10.77	10.18	9.71	9.01	8.43	8.13	7.96	7.84

Intensity data(cd)

C/γ(°)	90.0
0.0	7.78
45.0	7.84
90.0	7.78
135.0	7.78
180.0	7.78
225.0	7.78
270.0	7.78
315.0	7.78
360.0	7.78