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Address:380JinOu Road,GaoXin Zone,Jiang Men City,Guangdong,China

NT

Client:
LumCAT: 1-1298-L
Luminaire: 92.70.428.00
Report No: 2024720-B009
Ballast type: AC

Test No: 2024720-C009	Voltage(V): 34.900
LampCAT: CREE CXA1516 LES8.9	Current(A): 0.330
Lamp flux(lm): 1726.0	Power (W): 11.517
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 1578.25, Efficiency(%): 91.44% , Luminous Efficacy(lm/W): 137.04
Central intensity(cd): 7468.993, Maximum intensity(cd): 7468.993
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=18.2
[C90/270]Total=18.2
Field angle(10%Imax): [C0/180]Total=50.8
[C90/270]Total=50.8
Maximum s/h(1/2): C0_180=0.31 C90_270=0.31
Maximum s/h(1/4): C0_180=0.36 C90_270=0.36
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 91.44%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 97.780%

NT 1-1290-L

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	7468.993	0.000	0	0.00%	0.00%
1.0	7405.057	7.117	7.117	0.41%	0.45%
2.0	7182.159	20.937	28.054	1.21%	1.78%
3.0	6849.312	33.559	61.613	1.94%	3.90%
4.0	6417.416	44.408	106.021	2.57%	6.72%
5.0	5930.363	53.120	159.14	3.08%	10.08%
6.0	5378.861	59.433	218.573	3.44%	13.85%
7.0	4808.340	63.232	281.805	3.66%	17.86%
8.0	4269.494	64.968	346.773	3.76%	21.97%
9.0	3780.393	65.240	412.013	3.78%	26.11%
10.0	3359.835	64.616	476.63	3.74%	30.20%
11.0	2964.589	63.194	539.824	3.66%	34.20%
12.0	2641.764	61.285	601.109	3.55%	38.09%
13.0	2367.001	59.441	660.55	3.44%	41.85%
14.0	2141.250	57.705	718.256	3.34%	45.51%
15.0	1943.957	56.084	774.339	3.25%	49.06%
16.0	1764.146	54.334	828.673	3.15%	52.51%
17.0	1605.843	52.480	881.153	3.04%	55.83%
18.0	1432.280	50.092	931.245	2.90%	59.00%
19.0	1300.750	47.549	978.794	2.75%	62.02%
20.0	1219.302	46.124	1024.918	2.67%	64.94%
21.0	1124.481	45.005	1069.924	2.61%	67.79%
22.0	1033.346	43.362	1113.286	2.51%	70.54%
23.0	940.544	41.418	1154.704	2.40%	73.16%
24.0	859.600	39.358	1194.061	2.28%	75.66%
25.0	779.278	37.265	1231.326	2.16%	78.02%
26.0	701.992	34.966	1266.291	2.03%	80.23%
27.0	632.614	32.651	1298.943	1.89%	82.30%
28.0	560.814	30.215	1329.158	1.75%	84.22%
29.0	492.628	27.561	1356.719	1.60%	85.96%
30.0	422.679	24.713	1381.432	1.43%	87.53%
31.0	361.303	21.817	1403.249	1.26%	88.91%
32.0	308.487	19.189	1422.438	1.11%	90.13%
33.0	266.190	16.930	1439.368	0.98%	91.20%
34.0	226.102	14.898	1454.266	0.86%	92.14%
35.0	177.945	12.548	1466.814	0.73%	92.94%
36.0	132.473	9.884	1476.698	0.57%	93.57%
37.0	102.970	7.679	1484.377	0.44%	94.05%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	81.814	6.168	1490.545	0.36%	94.44%
39.0	65.296	5.021	1495.566	0.29%	94.76%
40.0	53.731	4.151	1499.717	0.24%	95.02%
41.0	45.545	3.535	1503.252	0.20%	95.25%
42.0	39.920	3.105	1506.357	0.18%	95.44%
43.0	36.145	2.818	1509.175	0.16%	95.62%
44.0	33.109	2.614	1511.789	0.15%	95.79%
45.0	30.688	2.452	1514.241	0.14%	95.94%
46.0	28.691	2.322	1516.563	0.13%	96.09%
47.0	26.942	2.213	1518.776	0.13%	96.23%
48.0	25.508	2.120	1520.896	0.12%	96.37%
49.0	24.184	2.041	1522.937	0.12%	96.50%
50.0	23.124	1.972	1524.909	0.11%	96.62%
51.0	22.260	1.920	1526.829	0.11%	96.74%
52.0	21.470	1.877	1528.706	0.11%	96.86%
53.0	20.907	1.843	1530.549	0.11%	96.98%
54.0	20.410	1.821	1532.37	0.11%	97.09%
55.0	20.059	1.806	1534.177	0.10%	97.21%
56.0	19.737	1.798	1535.975	0.10%	97.32%
57.0	19.612	1.799	1537.774	0.10%	97.44%
58.0	19.488	1.808	1539.582	0.10%	97.55%
59.0	19.356	1.816	1541.398	0.11%	97.66%
60.0	19.115	1.818	1543.216	0.11%	97.78%
61.0	18.698	1.805	1545.02	0.10%	97.89%
62.0	18.200	1.778	1546.798	0.10%	98.01%
63.0	17.462	1.734	1548.533	0.10%	98.12%
64.0	16.694	1.676	1550.209	0.10%	98.22%
65.0	15.860	1.611	1551.82	0.09%	98.33%
66.0	14.974	1.538	1553.358	0.09%	98.42%
67.0	14.155	1.465	1554.823	0.08%	98.52%
68.0	13.453	1.399	1556.221	0.08%	98.60%
69.0	12.831	1.341	1557.562	0.08%	98.69%
70.0	12.275	1.289	1558.852	0.07%	98.77%
71.0	11.785	1.244	1560.095	0.07%	98.85%
72.0	11.309	1.201	1561.296	0.07%	98.93%
73.0	10.900	1.161	1562.457	0.07%	99.00%
74.0	10.541	1.127	1563.585	0.07%	99.07%
75.0	10.198	1.096	1564.68	0.06%	99.14%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	9.934	1.069	1565.749	0.06%	99.21%
77.0	9.627	1.043	1566.792	0.06%	99.27%
78.0	9.386	1.018	1567.81	0.06%	99.34%
79.0	9.122	0.994	1568.804	0.06%	99.40%
80.0	8.873	0.970	1569.774	0.06%	99.46%
81.0	8.647	0.947	1570.722	0.05%	99.52%
82.0	8.420	0.925	1571.647	0.05%	99.58%
83.0	8.208	0.904	1572.551	0.05%	99.64%
84.0	8.003	0.883	1573.434	0.05%	99.69%
85.0	7.791	0.862	1574.296	0.05%	99.75%
86.0	7.506	0.836	1575.132	0.05%	99.80%
87.0	7.279	0.809	1575.941	0.05%	99.85%
88.0	7.089	0.787	1576.728	0.05%	99.90%
89.0	6.942	0.769	1577.498	0.04%	99.95%
90.0	6.862	0.757	1578.254	0.04%	100.00%

Zonal flux distribution table

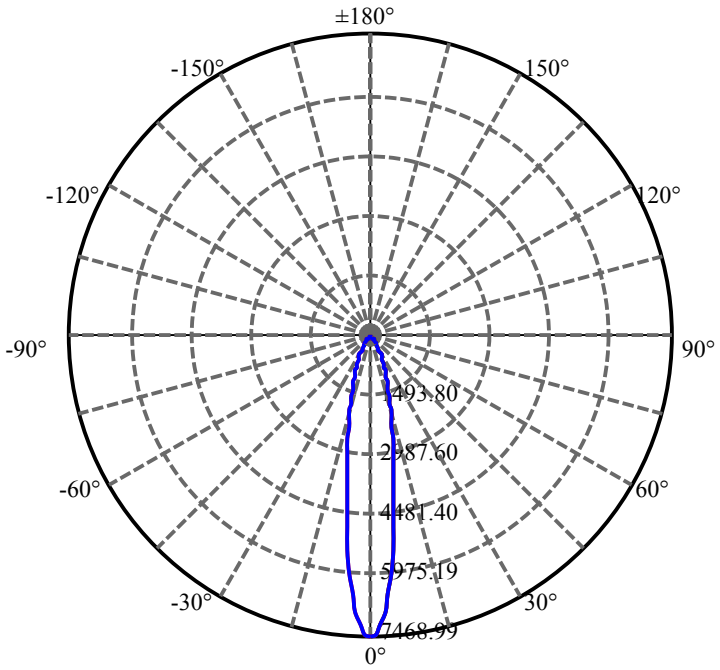
ZONAL LUMEN SUMMARY

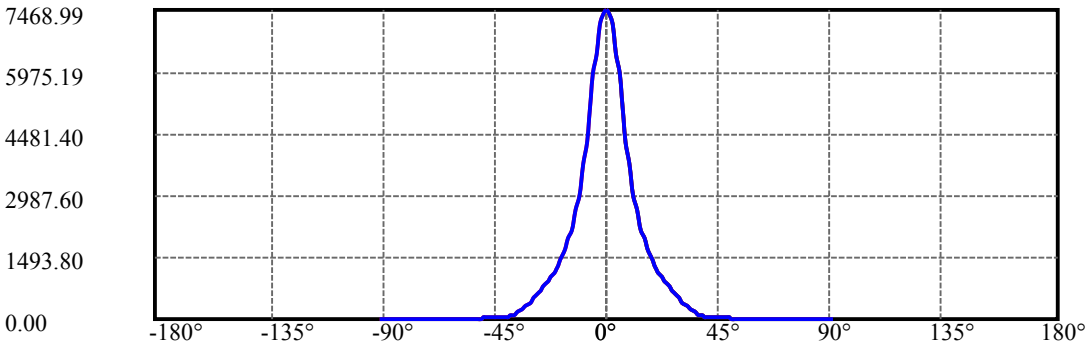
Zone	Lumens	%Lamp	%Fixt
0-30	1381.43	80.04%	87.53%
0-40	1499.72	86.89%	95.02%
0-60	1543.22	89.41%	97.78%
0-90	1577.50	91.40%	99.95%
0-120	1577.50	91.40%	99.95%
0-180	1578.25	91.44%	100.00%
60-90	34.28	1.99%	2.17%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-25.89	1262.60	73.15%	80.00%

ZONAL LUMEN SUMMARY

0-10	476.63
10-20	548.29
20-30	356.51
30-40	118.29
40-50	25.19
50-60	18.31
60-70	15.64
70-80	10.92
80-90	7.72
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):

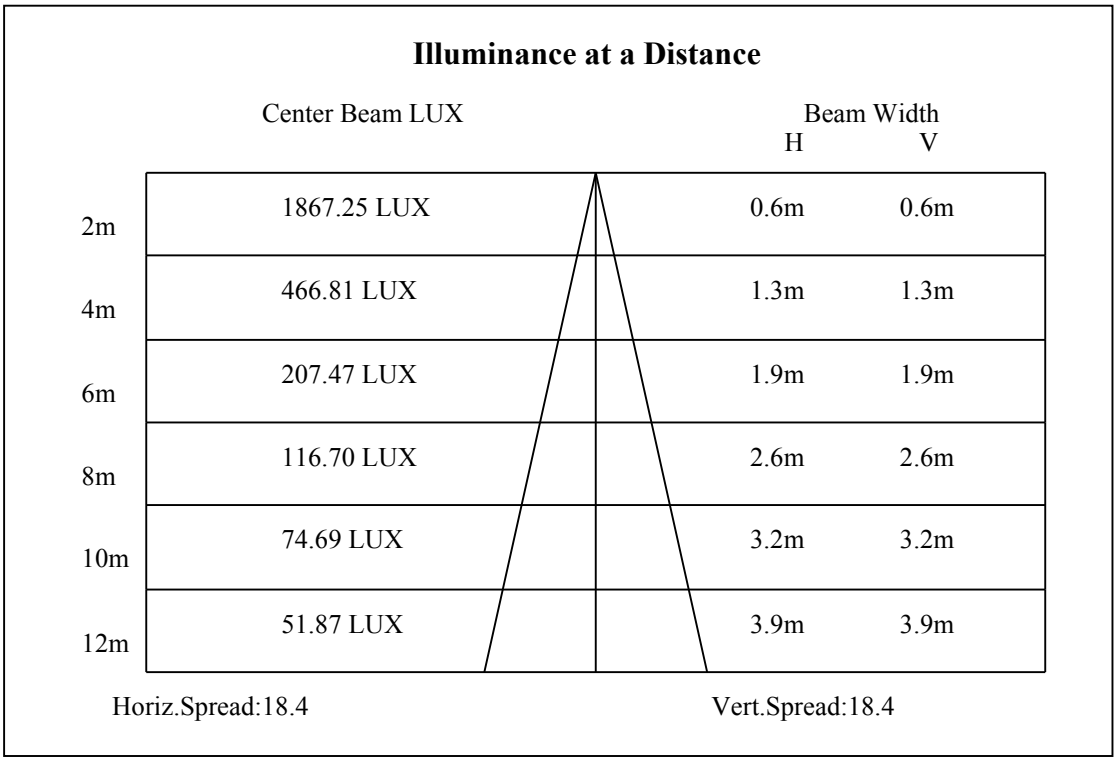
C0/C180:

C90/C270:

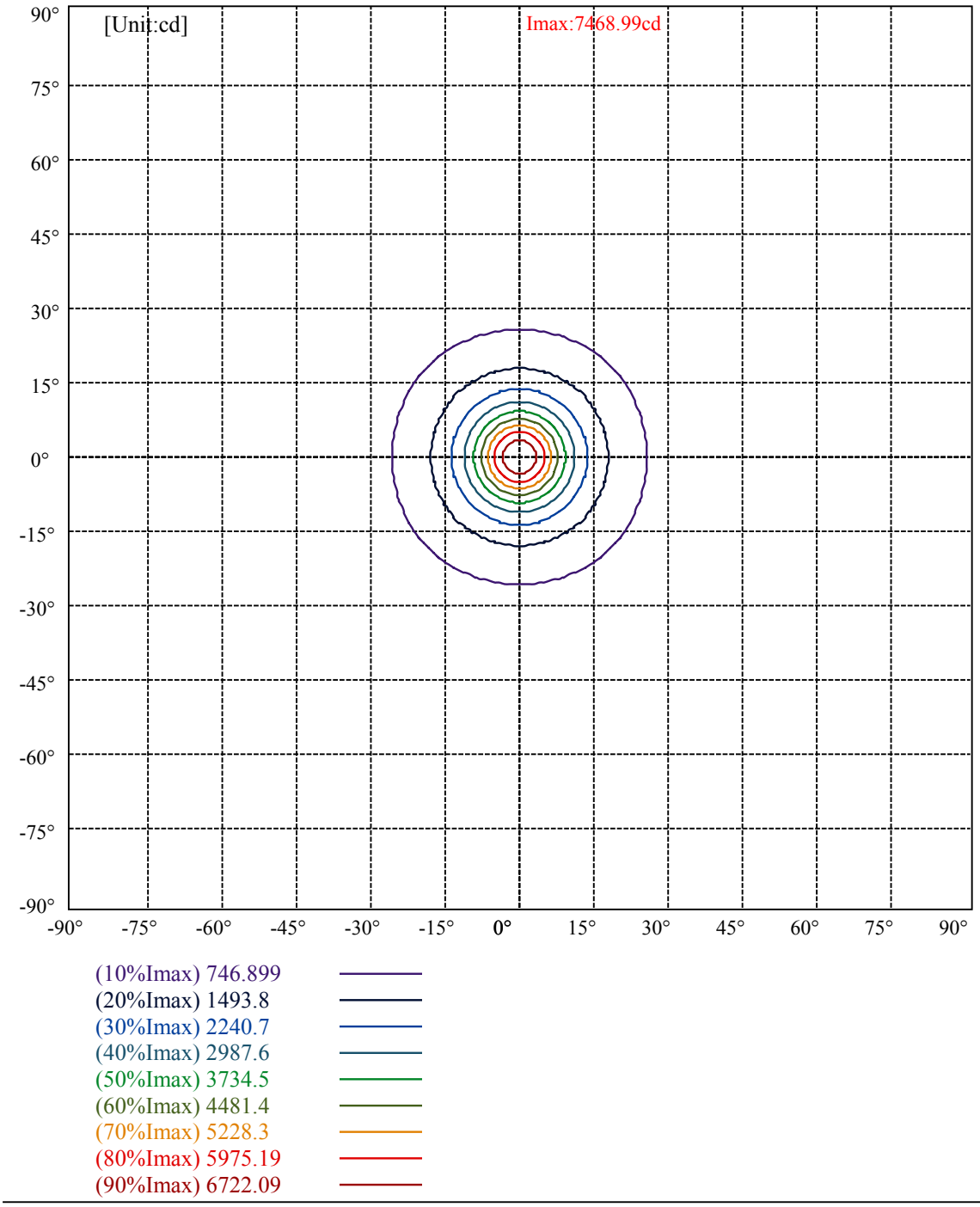
Field angle(10%Imax):C0/180Left:25.4 Right:25.4
:C90/270Left:25.4 Right:25.4

Beam Angle(50%Imax):C0/180Left:9.1 Right:9.1
:C90/270Left:9.1 Right:9.1

Lux distance Curve



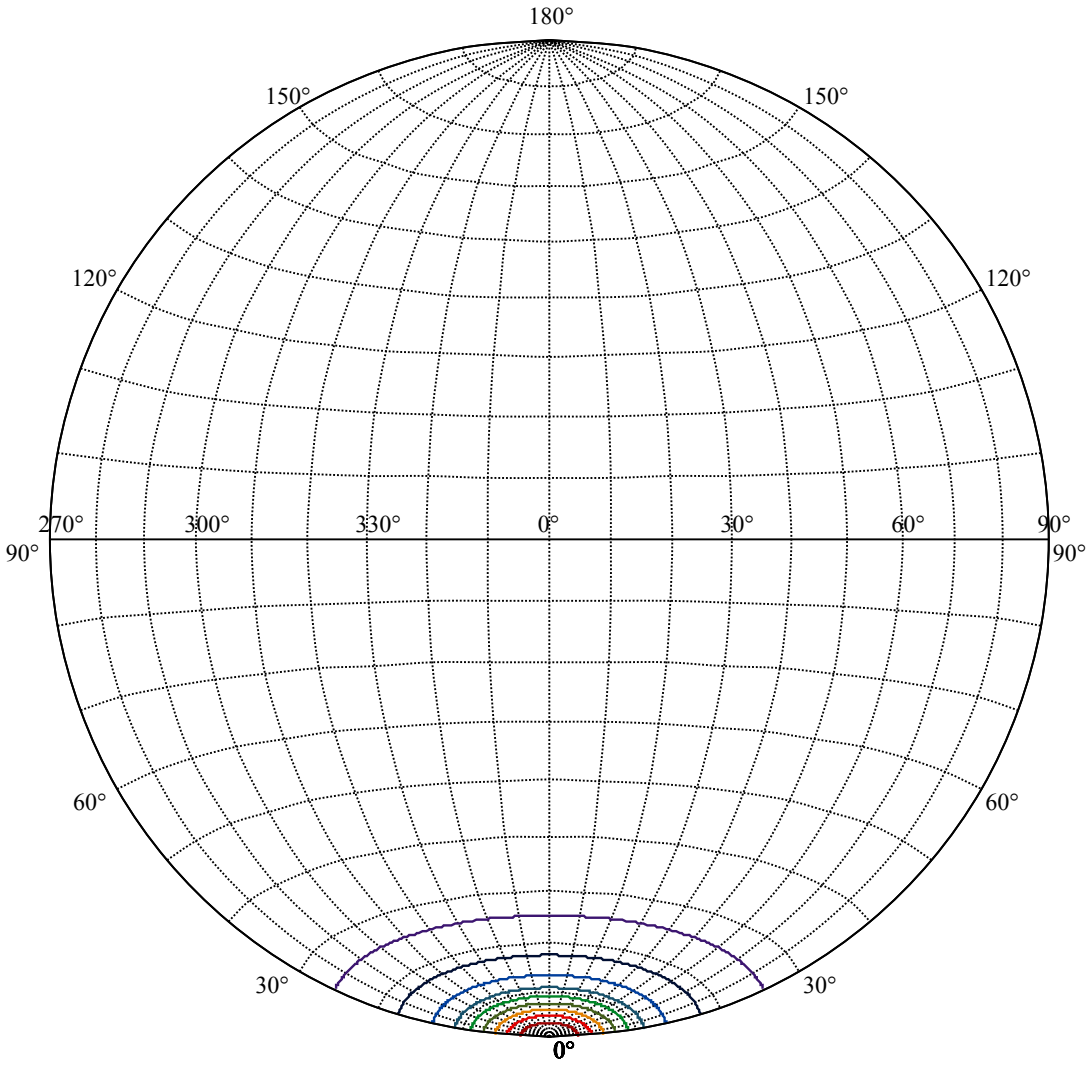
ISO-Intensity(V-H)



Equipment: GMS1980 Date: 2024/7/20 Operator: NT07

Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

ISO candela diagram on circular web



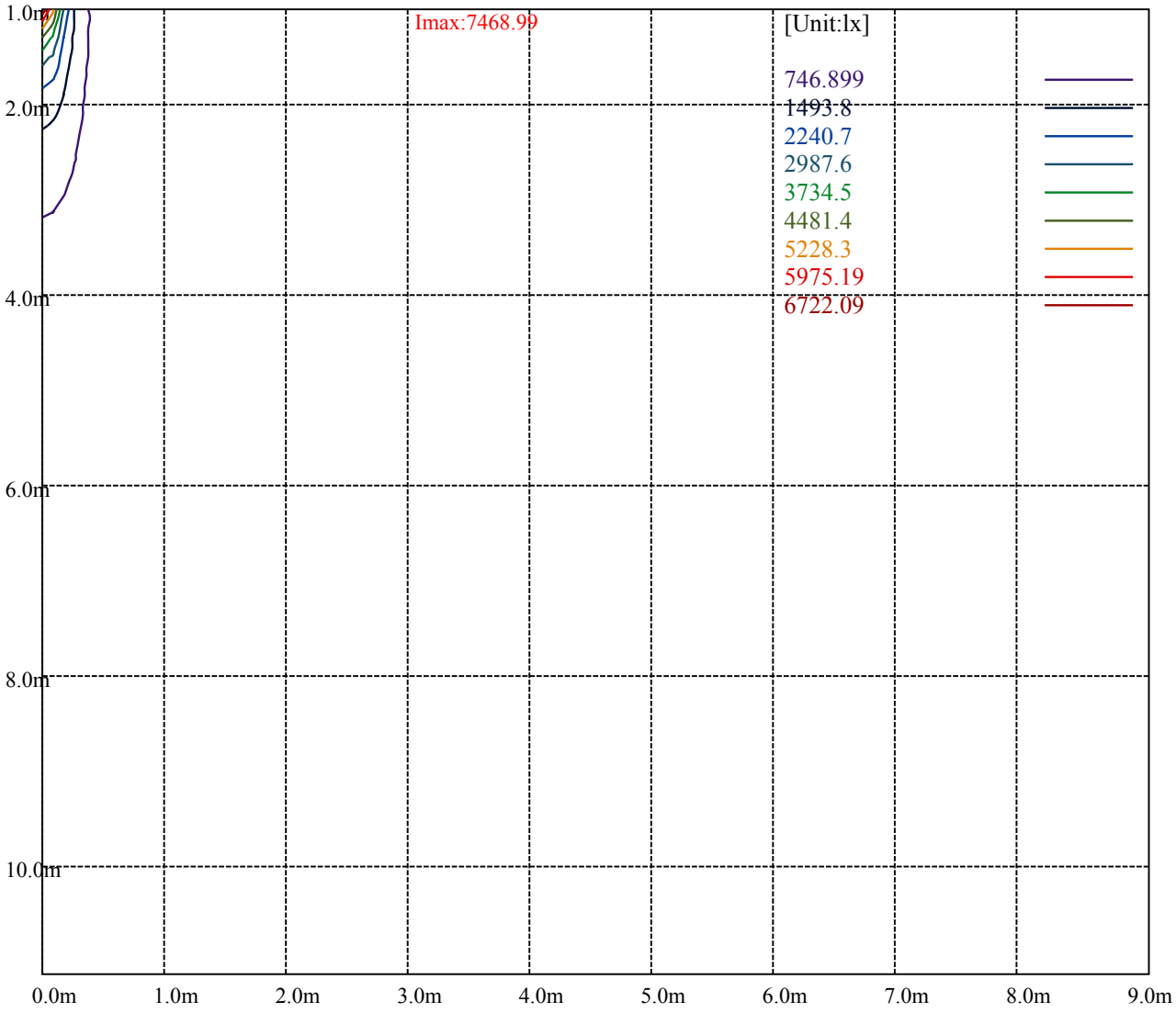
House [Unit:cd] Road

Imax:7468.99

(10%Imax) 746.899
(20%Imax) 1493.8
(30%Imax) 2240.7
(40%Imax) 2987.6
(50%Imax) 3734.5
(60%Imax) 4481.4
(70%Imax) 5228.3
(80%Imax) 5975.19
(90%Imax) 6722.09

Equipment: GMS1980 Date: 2024/7/20 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/7/20
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

NT 1-1290-L

Luminance Limitting Curve(no luminous side)

Luminance Table

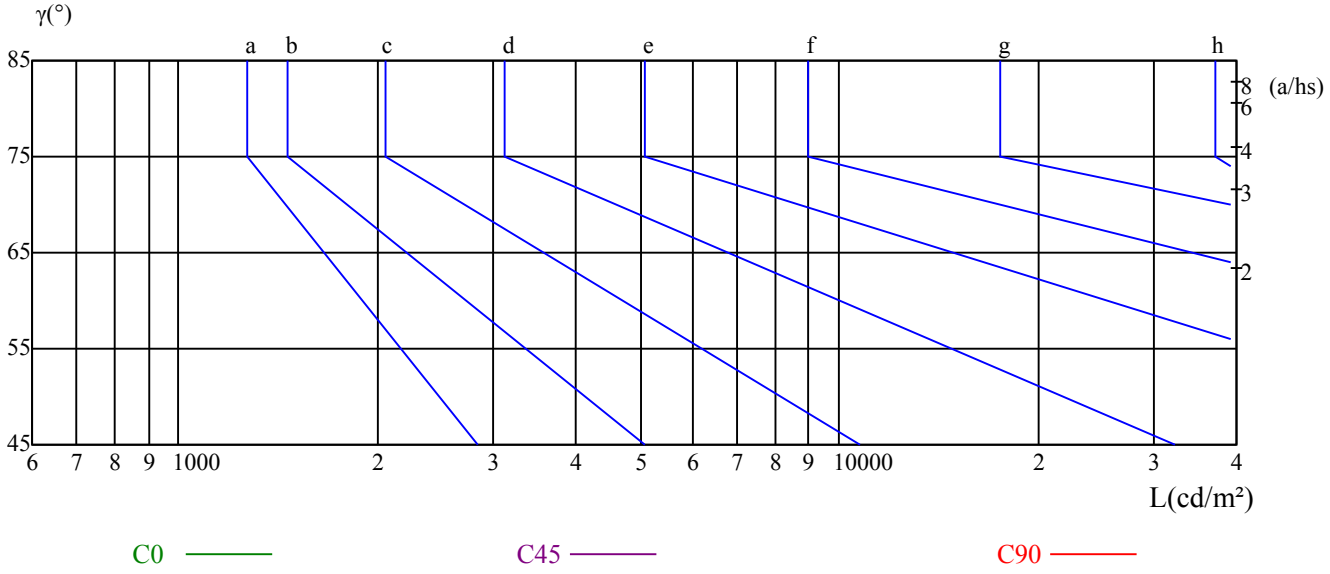
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

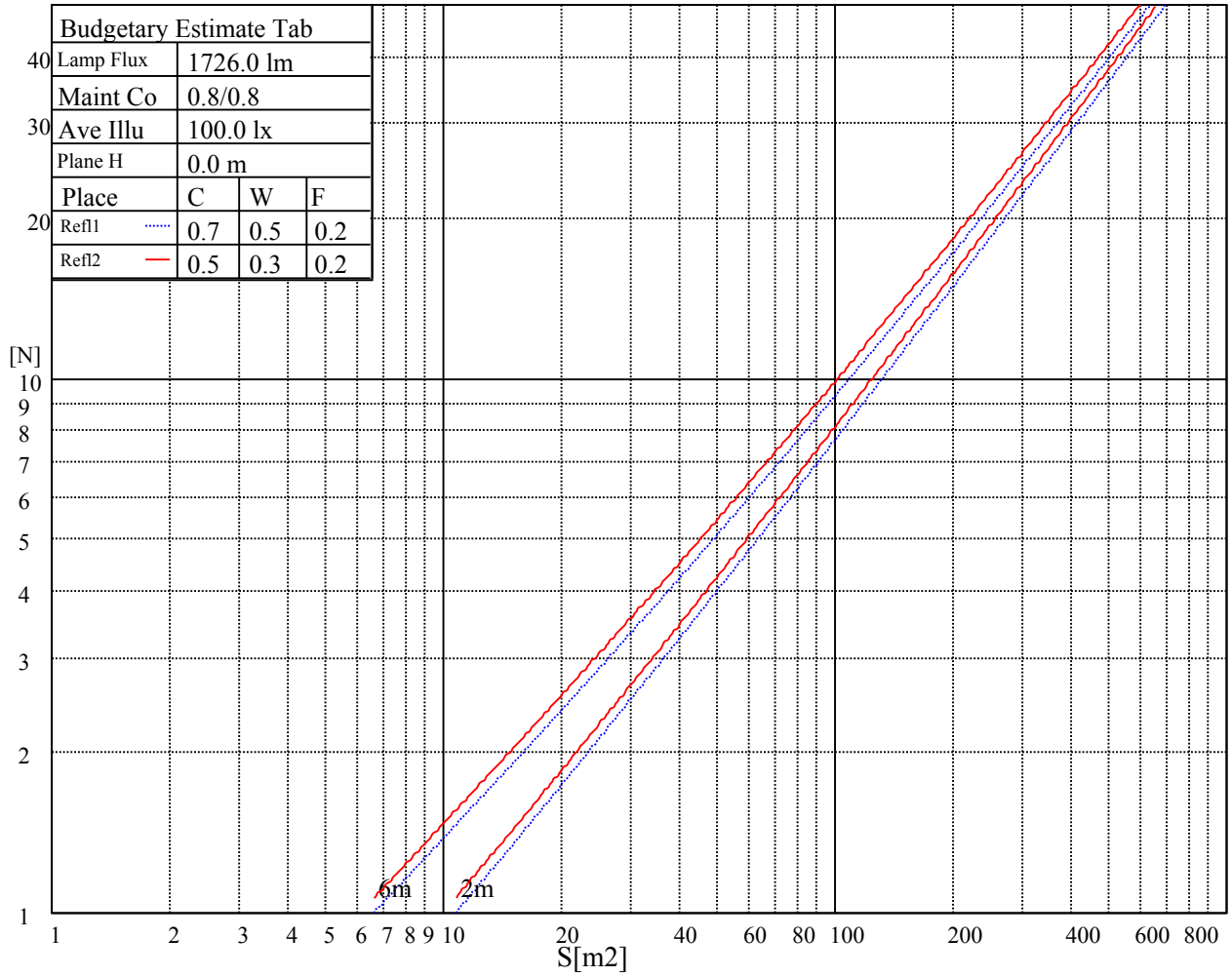
Luminance Limitting Curve



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

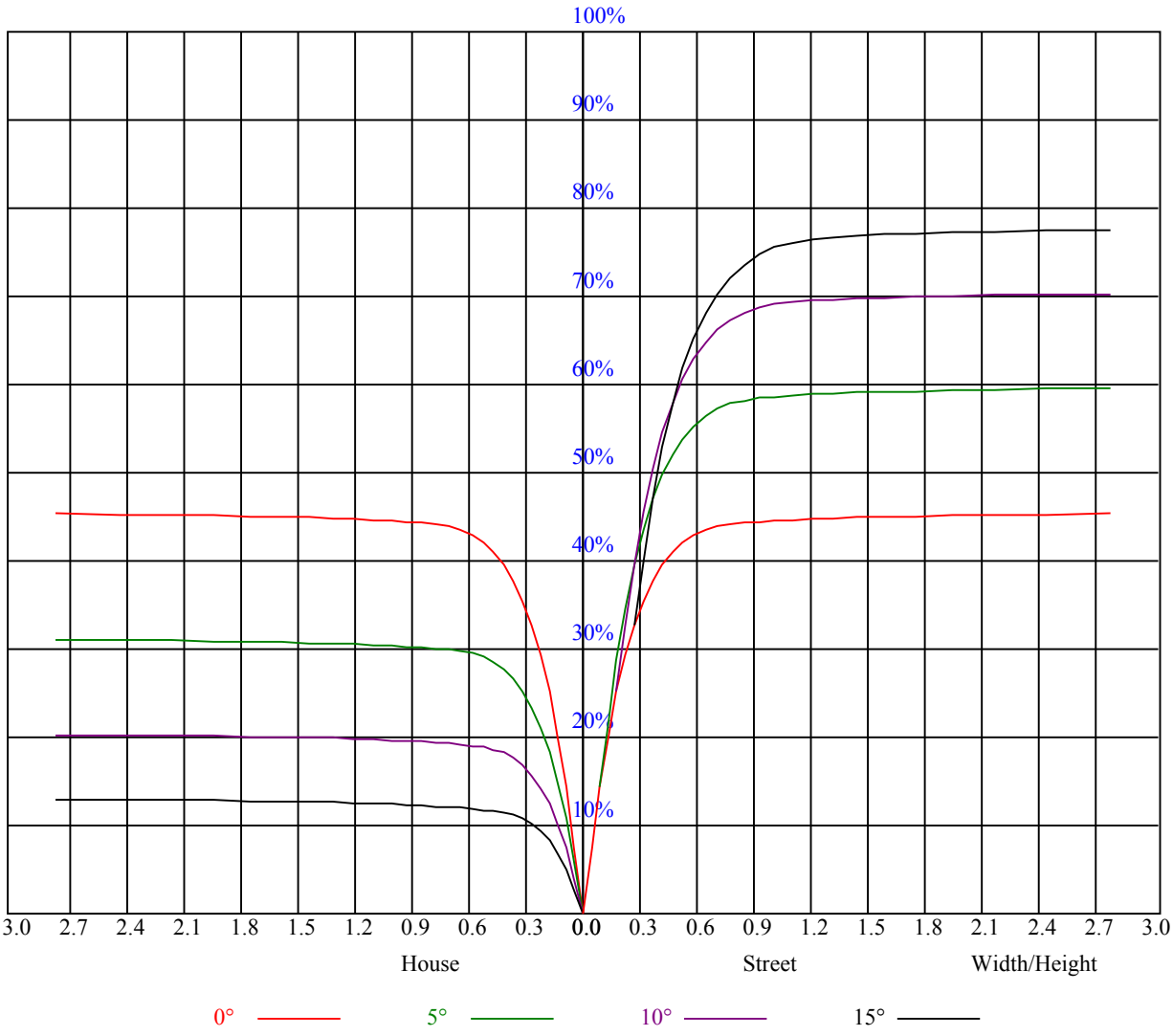


Equipment: GMS1980 Date: 2024/7/20 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

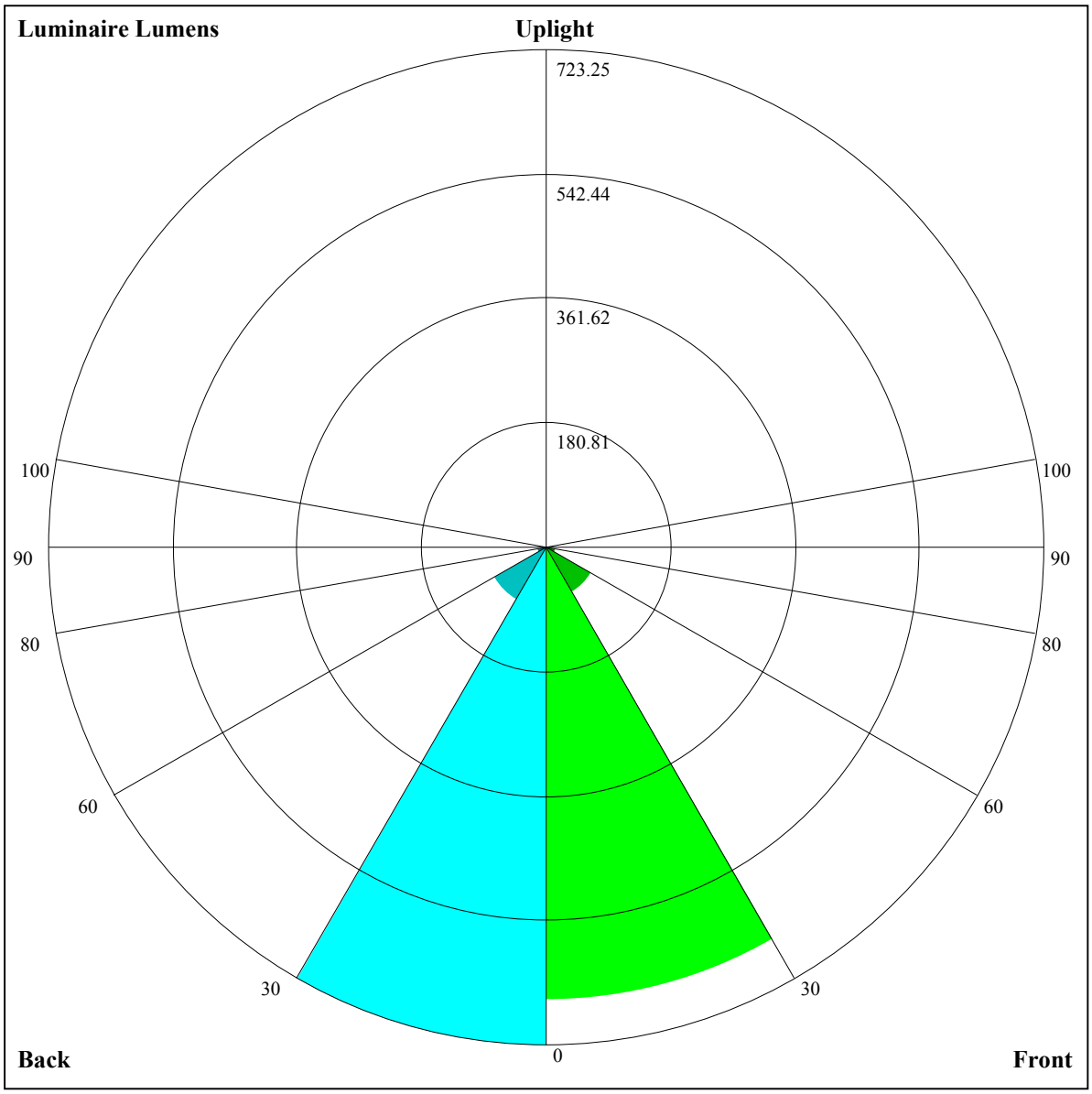
Utilization factor table for indoor luminaire

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	1.02	1.00	0.98	1.00	0.98	0.97	0.97	0.95	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.87
2	0.96	0.93	0.91	0.95	0.92	0.90	0.92	0.90	0.88	0.89	0.87	0.86	0.87	0.85	0.84	0.83
3	0.92	0.88	0.85	0.90	0.87	0.84	0.88	0.85	0.83	0.86	0.83	0.81	0.84	0.82	0.80	0.79
4	0.87	0.83	0.80	0.86	0.82	0.79	0.84	0.81	0.78	0.83	0.80	0.78	0.81	0.79	0.77	0.76
5	0.83	0.79	0.76	0.83	0.79	0.76	0.81	0.78	0.75	0.80	0.77	0.74	0.78	0.76	0.74	0.72
6	0.80	0.76	0.72	0.79	0.75	0.72	0.78	0.74	0.72	0.77	0.74	0.71	0.76	0.73	0.71	0.70
7	0.77	0.72	0.69	0.76	0.72	0.69	0.75	0.72	0.69	0.74	0.71	0.69	0.73	0.70	0.68	0.67
8	0.74	0.70	0.67	0.74	0.69	0.67	0.73	0.69	0.66	0.72	0.68	0.66	0.71	0.68	0.66	0.65
9	0.71	0.67	0.64	0.71	0.67	0.64	0.70	0.67	0.64	0.69	0.66	0.64	0.69	0.66	0.64	0.63
10	0.69	0.65	0.62	0.69	0.65	0.62	0.68	0.64	0.62	0.67	0.64	0.62	0.67	0.64	0.62	0.61

Coefficient Utilization Curve



Equipment: GMS1980	Date: 2024/7/20	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65



Luminaire Lumens:
FL=656.94,FM=74.86,FH=12.95,FVH=4.18
BL=723.25,BM=87.86,BH=13.52,BVH=4.28
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	7385.60	7093.57	6702.06	6256.11	5639.87	5128.39	4619.82	4140.53	3602.70
45.0	7516.10	7512.59	7306.01	6991.16	6617.78	6034.90	5535.70	5025.97	4413.83
90.0	7562.92	7469.87	7263.87	6843.09	6406.52	5912.00	5265.33	4738.04	4231.24
135.0	7411.35	7604.47	7645.44	7527.81	7219.98	6839.58	6376.08	5700.15	5148.28
180.0	7385.60	7569.94	7585.16	7453.48	7107.03	6700.88	6233.29	5549.75	4997.29
225.0	7516.10	7405.50	7088.89	6730.73	6294.15	5792.62	5124.29	4591.15	4084.93
270.0	7562.92	7468.70	7262.12	6850.70	6429.93	5952.38	5446.75	4774.91	4276.88
315.0	7411.35	7115.81	6603.74	6141.41	5624.07	5082.15	4429.63	3946.23	3400.80
360.0	7385.60	7093.57	6702.06	6256.11	5639.87	5128.39	4619.82	4140.53	3602.70

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	3234.01	2908.04	2563.93	2327.50	2072.93	1890.92	1731.74	1587.19	1426.84
45.0	3948.57	3526.62	3157.93	2767.00	2497.80	2269.56	2069.41	1844.10	1690.19
90.0	3774.76	3359.84	2914.48	2612.50	2362.03	2143.15	1910.23	1745.20	1592.46
135.0	4470.01	3968.47	3507.31	3015.72	2695.02	2429.91	2210.45	1972.27	1802.55
180.0	4333.65	3846.16	3409.58	3028.60	2654.64	2408.26	2197.58	2007.97	1794.36
225.0	3633.72	3151.50	2833.13	2563.93	2280.68	2085.80	1869.27	1722.38	1580.75
270.0	3816.31	3395.53	2941.98	2648.79	2390.70	2124.43	1932.47	1732.91	1579.00
315.0	3032.11	2722.53	2388.36	2170.07	1982.22	1777.97	1630.50	1501.16	1380.60
360.0	3234.01	2908.04	2563.93	2327.50	2072.93	1890.92	1731.74	1587.19	1426.84

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1162.02	1162.02	1115.03	1007.58	925.65	847.05	774.02	689.16	622.15
45.0	1547.98	1395.23	1286.38	1162.90	1071.61	986.75	907.74	813.52	740.95
90.0	1431.52	1163.60	1163.60	1096.18	1010.33	904.47	828.44	758.16	688.28
135.0	1658.00	1522.81	1376.51	1272.34	1179.29	1065.75	980.31	881.99	806.50
180.0	1646.88	1520.47	1391.72	1260.05	1165.24	1048.78	961.58	880.82	784.85
225.0	1419.81	1158.69	1158.69	1111.17	1002.43	922.08	844.89	771.09	684.60
270.0	1439.13	1330.27	1192.16	1099.70	1021.28	931.74	832.25	758.51	686.53
315.0	1152.89	1152.89	1070.32	985.93	890.95	817.73	747.57	680.97	602.08
360.0	1162.02	1162.02	1115.03	1007.58	925.65	847.05	774.02	689.16	622.15

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	557.25	477.66	417.73	345.87	292.61	245.50	201.79	153.33	120.26
45.0	671.31	602.26	520.32	457.70	398.60	328.37	302.62	302.62	178.79
90.0	604.54	539.17	477.54	418.67	348.03	298.06	252.64	209.80	162.99
135.0	731.00	660.78	576.51	512.72	450.10	390.40	320.18	295.60	295.60
180.0	714.62	646.15	578.85	491.65	428.44	371.09	316.67	303.79	241.29
225.0	619.17	554.03	489.19	411.76	355.11	302.97	244.57	201.90	155.49
270.0	623.32	543.73	479.94	401.52	343.00	302.62	302.62	189.61	155.14
315.0	539.69	462.74	400.94	341.54	274.53	228.88	188.44	152.16	114.00
360.0	557.25	477.66	417.73	345.87	292.61	245.50	201.79	153.33	120.26

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	93.99	74.09	56.59	47.05	40.79	35.64	32.83	30.43	27.92
45.0	142.97	113.53	85.15	68.24	55.77	45.06	39.56	35.64	32.71
90.0	130.80	100.01	80.82	65.66	52.49	45.35	40.26	36.87	33.47
135.0	182.65	140.10	112.01	84.86	68.35	56.42	46.17	40.73	36.87
180.0	169.31	128.93	103.76	82.46	63.91	52.32	43.48	38.16	34.29
225.0	124.48	99.55	80.18	62.38	52.67	45.88	41.14	37.04	34.59
270.0	125.36	94.98	76.14	62.50	52.32	43.89	39.39	36.11	32.77
315.0	90.24	72.57	59.87	49.22	43.54	39.80	36.52	34.18	32.25
360.0	93.99	74.09	56.59	47.05	40.79	35.64	32.83	30.43	27.92

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	26.28	24.81	23.23	22.36	21.59	20.83	20.19	19.90	19.61
45.0	29.85	27.92	26.16	24.76	23.35	22.36	21.54	20.60	20.13
90.0	31.02	29.09	27.21	25.34	24.05	23.00	21.95	21.19	20.60
135.0	33.47	31.19	29.20	27.56	25.75	24.40	23.41	22.53	21.59
180.0	31.89	29.09	27.21	25.75	24.29	22.82	21.89	21.07	20.42
225.0	32.48	30.31	28.79	27.39	25.98	24.93	23.99	22.94	22.30
270.0	30.37	28.38	26.34	24.81	23.23	22.30	21.54	20.72	20.25
315.0	30.14	28.73	27.39	26.10	25.22	24.35	23.58	22.82	22.36
360.0	26.28	24.81	23.23	22.36	21.59	20.83	20.19	19.90	19.61

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	19.43	19.20	19.14	19.25	19.31	19.08	18.61	18.14	17.50
45.0	19.66	19.37	19.25	19.20	19.14	19.02	18.84	18.32	17.73
90.0	20.01	19.61	19.25	19.14	19.02	18.96	18.84	18.43	18.02
135.0	20.95	20.48	19.96	19.72	19.43	19.31	19.25	19.08	18.84
180.0	19.78	19.43	19.08	18.90	18.79	18.79	18.79	18.79	18.61
225.0	21.77	21.36	20.89	20.66	20.48	20.31	19.84	19.31	18.67
270.0	19.72	19.49	19.20	19.08	19.02	19.08	18.96	18.38	17.97
315.0	21.95	21.54	21.13	20.95	20.72	20.31	19.78	19.14	18.26
360.0	19.43	19.20	19.14	19.25	19.31	19.08	18.61	18.14	17.50

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	16.39	15.68	14.92	14.10	13.34	12.82	12.35	11.94	11.47
45.0	17.03	16.21	15.33	14.46	13.69	12.99	12.35	11.94	11.41
90.0	17.50	16.68	15.68	14.98	13.93	13.28	12.70	12.11	11.65
135.0	18.43	18.02	17.50	16.39	15.57	14.81	13.93	13.23	12.70
180.0	18.14	17.73	17.03	16.21	15.45	14.63	13.99	13.28	12.76
225.0	17.85	16.91	15.86	15.04	14.16	13.34	12.76	12.17	11.65
270.0	17.09	16.15	15.33	14.34	13.58	12.93	12.41	11.88	11.47
315.0	17.26	16.15	15.22	14.28	13.52	12.82	12.17	11.65	11.18
360.0	16.39	15.68	14.92	14.10	13.34	12.82	12.35	11.94	11.47

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	11.12	10.77	10.42	10.12	9.95	9.60	9.36	9.13	8.90
45.0	11.06	10.71	10.36	10.01	9.77	9.48	9.25	9.01	8.78
90.0	11.24	10.77	10.48	10.12	9.83	9.54	9.25	9.01	8.78
135.0	12.00	11.47	11.00	10.59	10.30	10.01	9.77	9.42	9.25
180.0	12.29	11.82	11.41	11.00	10.71	10.42	10.18	9.89	9.60
225.0	11.06	10.65	10.36	10.07	9.71	9.42	9.19	8.90	8.66
270.0	11.06	10.71	10.36	10.01	9.77	9.42	9.19	8.95	8.60
315.0	10.65	10.30	9.95	9.66	9.42	9.13	8.90	8.66	8.43
360.0	11.12	10.77	10.42	10.12	9.95	9.60	9.36	9.13	8.90

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	8.72	8.54	8.37	8.19	8.02	7.67	7.37	7.08	6.91
45.0	8.54	8.31	8.13	7.90	7.67	7.49	7.26	7.02	6.91
90.0	8.49	8.25	8.02	7.84	7.67	7.32	7.14	7.02	6.85
135.0	8.95	8.66	8.43	8.19	8.02	7.78	7.43	7.26	7.08
180.0	9.36	9.07	8.90	8.66	8.43	8.08	7.78	7.61	7.37
225.0	8.43	8.31	8.02	7.84	7.55	7.26	7.08	6.96	6.85
270.0	8.43	8.19	7.96	7.72	7.55	7.26	7.08	6.91	6.79
315.0	8.25	8.02	7.84	7.67	7.43	7.20	7.08	6.85	6.79
360.0	8.72	8.54	8.37	8.19	8.02	7.67	7.37	7.08	6.91

Intensity data(cd)

C/γ(°)	90.0
0.0	6.91
45.0	6.73
90.0	6.79
135.0	6.96
180.0	7.20
225.0	6.79
270.0	6.73
315.0	6.79
360.0	6.91