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

NT

Client:
LumCAT: 1-1282-L
Luminaire: 92.70.428.00
Report No: 2024720-B003
Ballast type: AC

Test No: 2024720-C003	Voltage(V): 34.930
LampCAT: CREE CXA1516 LES8.9	Current(A): 0.330
Lamp flux(lm): 1726.0	Power (W): 11.526
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 1583.81, Efficiency(%): 91.76% , Luminous Efficacy(lm/W): 137.41
Central intensity(cd): 7302.204, Maximum intensity(cd): 7302.204
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=20.4
[C90/270]Total=20.4
Field angle(10%Imax): [C0/180]Total=49.8
[C90/270]Total=49.8
Maximum s/h(1/2): C0_180=0.35 C90_270=0.35
Maximum s/h(1/4): C0_180=0.38 C90_270=0.38
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 91.76%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 98.112%

NT 1-1282-L

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	7302.203	0.000	0	0.00%	0.00%
1.0	7254.288	6.965	6.965	0.40%	0.44%
2.0	7132.927	20.650	27.615	1.20%	1.74%
3.0	6916.833	33.602	61.217	1.95%	3.87%
4.0	6618.514	45.307	106.524	2.62%	6.73%
5.0	6230.803	55.277	161.802	3.20%	10.22%
6.0	5775.425	63.096	224.897	3.66%	14.20%
7.0	5282.153	68.634	293.532	3.98%	18.53%
8.0	4768.545	71.931	365.463	4.17%	23.07%
9.0	4243.013	73.034	438.496	4.23%	27.69%
10.0	3744.767	72.286	510.783	4.19%	32.25%
11.0	3325.526	70.647	581.43	4.09%	36.71%
12.0	2903.652	68.094	649.523	3.95%	41.01%
13.0	2551.859	64.743	714.267	3.75%	45.10%
14.0	2248.347	61.442	775.709	3.56%	48.98%
15.0	2000.211	58.326	834.035	3.38%	52.66%
16.0	1760.013	55.098	889.133	3.19%	56.14%
17.0	1555.118	51.626	940.758	2.99%	59.40%
18.0	1415.908	48.986	989.744	2.84%	62.49%
19.0	1304.115	47.323	1037.067	2.74%	65.48%
20.0	1158.797	45.078	1082.145	2.61%	68.33%
21.0	1069.967	42.797	1124.942	2.48%	71.03%
22.0	975.131	41.097	1166.039	2.38%	73.62%
23.0	890.113	39.138	1205.177	2.27%	76.09%
24.0	802.073	36.997	1242.174	2.14%	78.43%
25.0	721.882	34.651	1276.825	2.01%	80.62%
26.0	644.947	32.264	1309.09	1.87%	82.65%
27.0	567.668	29.667	1338.756	1.72%	84.53%
28.0	498.553	26.994	1365.751	1.56%	86.23%
29.0	430.023	24.294	1390.045	1.41%	87.77%
30.0	372.174	21.659	1411.704	1.25%	89.13%
31.0	320.484	19.276	1430.98	1.12%	90.35%
32.0	264.295	16.753	1447.733	0.97%	91.41%
33.0	226.438	14.457	1462.19	0.84%	92.32%
34.0	196.328	12.794	1474.985	0.74%	93.13%
35.0	157.813	10.998	1485.983	0.64%	93.82%
36.0	123.044	8.943	1494.925	0.52%	94.39%
37.0	101.463	7.322	1502.248	0.42%	94.85%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	82.714	6.148	1508.395	0.36%	95.24%
39.0	68.040	5.146	1513.541	0.30%	95.56%
40.0	57.045	4.363	1517.903	0.25%	95.84%
41.0	47.359	3.718	1521.621	0.22%	96.07%
42.0	40.029	3.175	1524.796	0.18%	96.27%
43.0	34.192	2.749	1527.545	0.16%	96.45%
44.0	29.876	2.418	1529.964	0.14%	96.60%
45.0	26.540	2.168	1532.132	0.13%	96.74%
46.0	23.921	1.973	1534.105	0.11%	96.86%
47.0	21.807	1.819	1535.924	0.11%	96.98%
48.0	20.081	1.693	1537.617	0.10%	97.08%
49.0	18.778	1.596	1539.213	0.09%	97.18%
50.0	17.571	1.516	1540.728	0.09%	97.28%
51.0	16.708	1.450	1542.179	0.08%	97.37%
52.0	15.962	1.402	1543.581	0.08%	97.46%
53.0	15.369	1.363	1544.944	0.08%	97.55%
54.0	14.865	1.333	1546.276	0.08%	97.63%
55.0	14.433	1.308	1547.584	0.08%	97.71%
56.0	14.111	1.290	1548.874	0.07%	97.79%
57.0	13.782	1.275	1550.149	0.07%	97.87%
58.0	13.526	1.263	1551.412	0.07%	97.95%
59.0	13.277	1.253	1552.665	0.07%	98.03%
60.0	13.080	1.245	1553.91	0.07%	98.11%
61.0	12.904	1.240	1555.15	0.07%	98.19%
62.0	12.758	1.237	1556.387	0.07%	98.27%
63.0	12.597	1.233	1557.62	0.07%	98.35%
64.0	12.421	1.228	1558.848	0.07%	98.42%
65.0	12.195	1.218	1560.066	0.07%	98.50%
66.0	11.917	1.203	1561.269	0.07%	98.58%
67.0	11.580	1.181	1562.45	0.07%	98.65%
68.0	11.244	1.156	1563.606	0.07%	98.72%
69.0	10.856	1.127	1564.734	0.07%	98.80%
70.0	10.505	1.097	1565.831	0.06%	98.86%
71.0	10.161	1.068	1566.899	0.06%	98.93%
72.0	9.876	1.042	1567.941	0.06%	99.00%
73.0	9.612	1.019	1568.96	0.06%	99.06%
74.0	9.371	0.998	1569.958	0.06%	99.13%
75.0	9.137	0.978	1570.936	0.06%	99.19%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	8.954	0.960	1571.896	0.06%	99.25%
77.0	8.742	0.943	1572.84	0.05%	99.31%
78.0	8.595	0.928	1573.768	0.05%	99.37%
79.0	8.413	0.914	1574.682	0.05%	99.42%
80.0	8.281	0.900	1575.582	0.05%	99.48%
81.0	8.120	0.887	1576.468	0.05%	99.54%
82.0	7.981	0.873	1577.342	0.05%	99.59%
83.0	7.835	0.860	1578.201	0.05%	99.65%
84.0	7.703	0.846	1579.048	0.05%	99.70%
85.0	7.571	0.834	1579.881	0.05%	99.75%
86.0	7.396	0.818	1580.7	0.05%	99.80%
87.0	7.235	0.801	1581.5	0.05%	99.85%
88.0	7.089	0.785	1582.285	0.05%	99.90%
89.0	6.957	0.770	1583.055	0.04%	99.95%
90.0	6.884	0.759	1583.814	0.04%	100.00%

Zonal flux distribution table

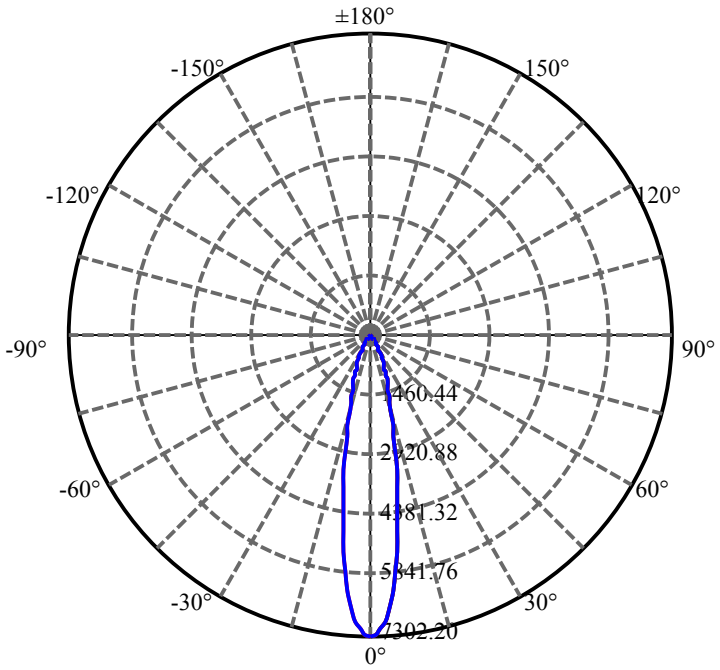
ZONAL LUMEN SUMMARY

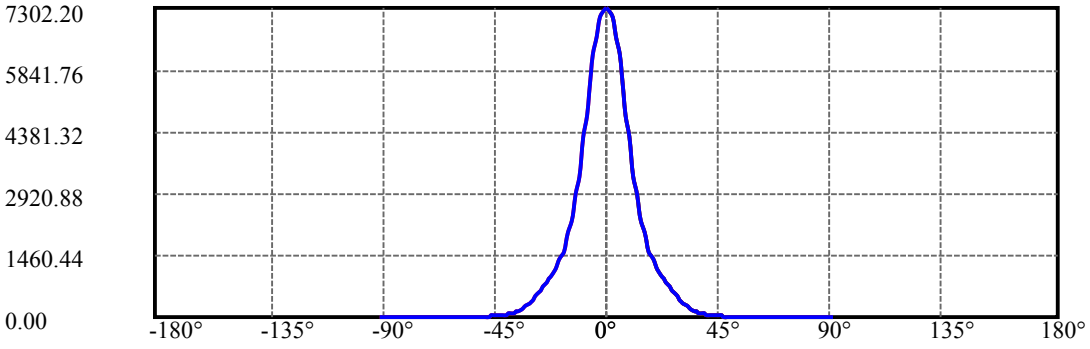
Zone	Lumens	%Lamp	%Fixt
0-30	1411.70	81.79%	89.13%
0-40	1517.90	87.94%	95.84%
0-60	1553.91	90.03%	98.11%
0-90	1583.05	91.72%	99.95%
0-120	1583.05	91.72%	99.95%
0-180	1583.81	91.76%	100.00%
60-90	29.14	1.69%	1.84%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-24.72	1267.05	73.41%	80.00%

ZONAL LUMEN SUMMARY

0-10	510.78
10-20	571.36
20-30	329.56
30-40	106.20
40-50	22.83
50-60	13.18
60-70	11.92
70-80	9.75
80-90	7.47
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):

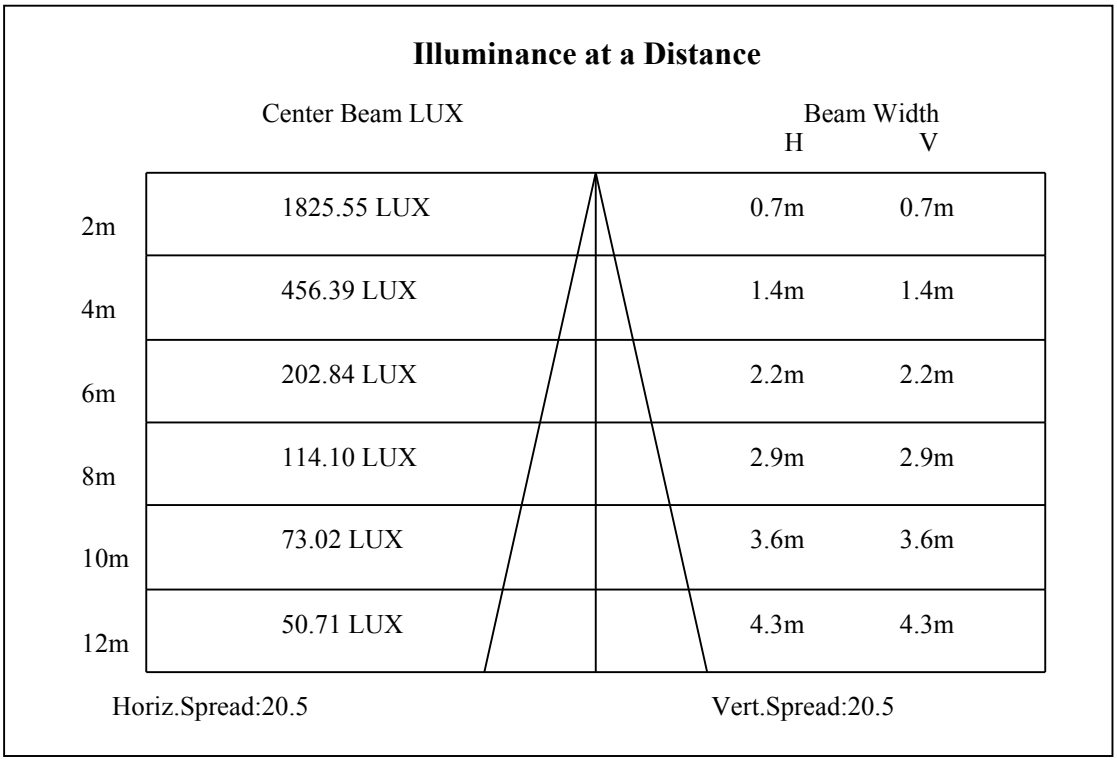
C0/C180:

C90/C270:

Field angle(10%Imax):C0/180Left:24.9 Right:24.9
:C90/270Left:24.9 Right:24.9

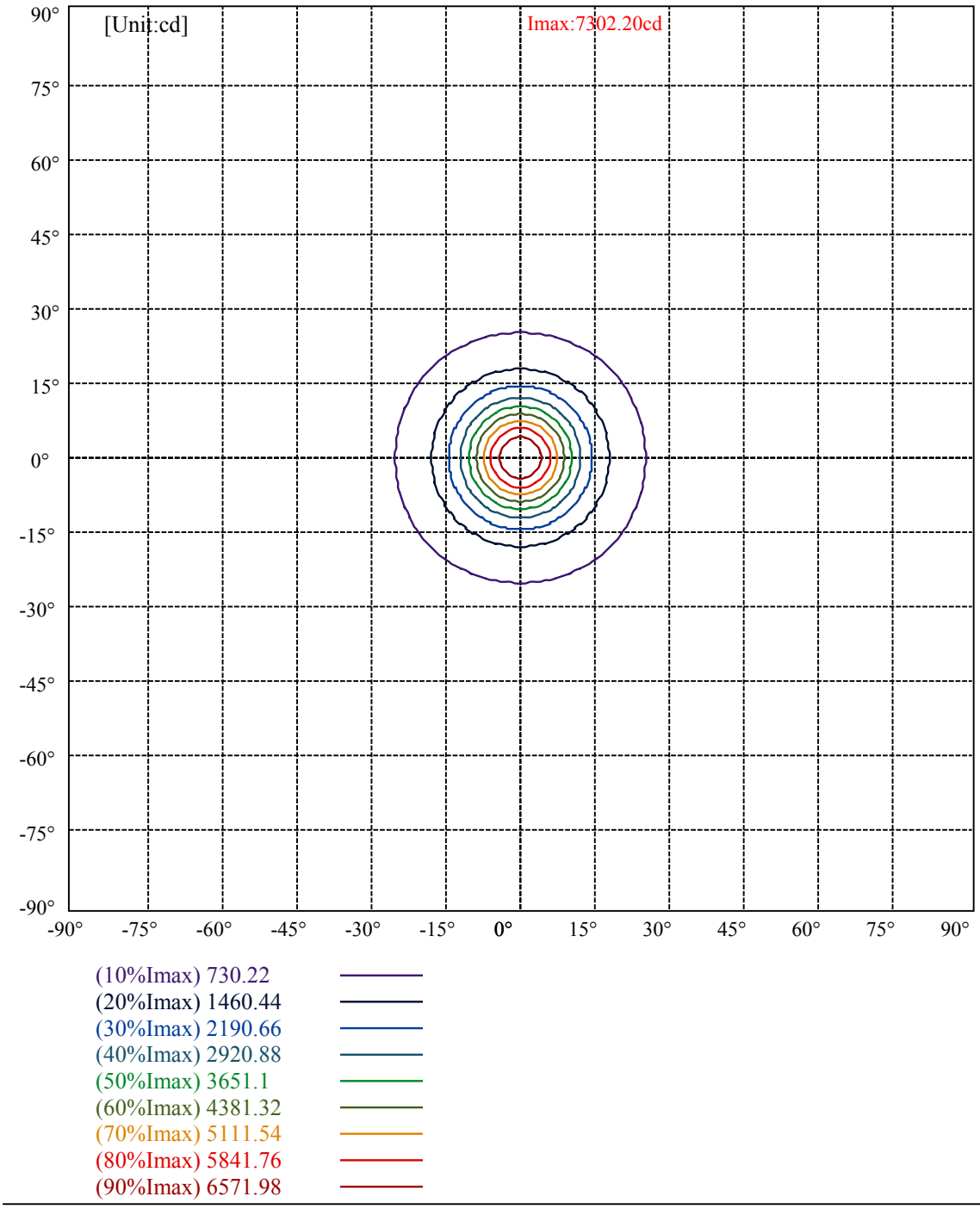
Beam Angle(50%Imax):C0/180Left:10.2 Right:10.2
:C90/270Left:10.2 Right:10.2

Lux distance Curve



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

ISO-Intensity(V-H)

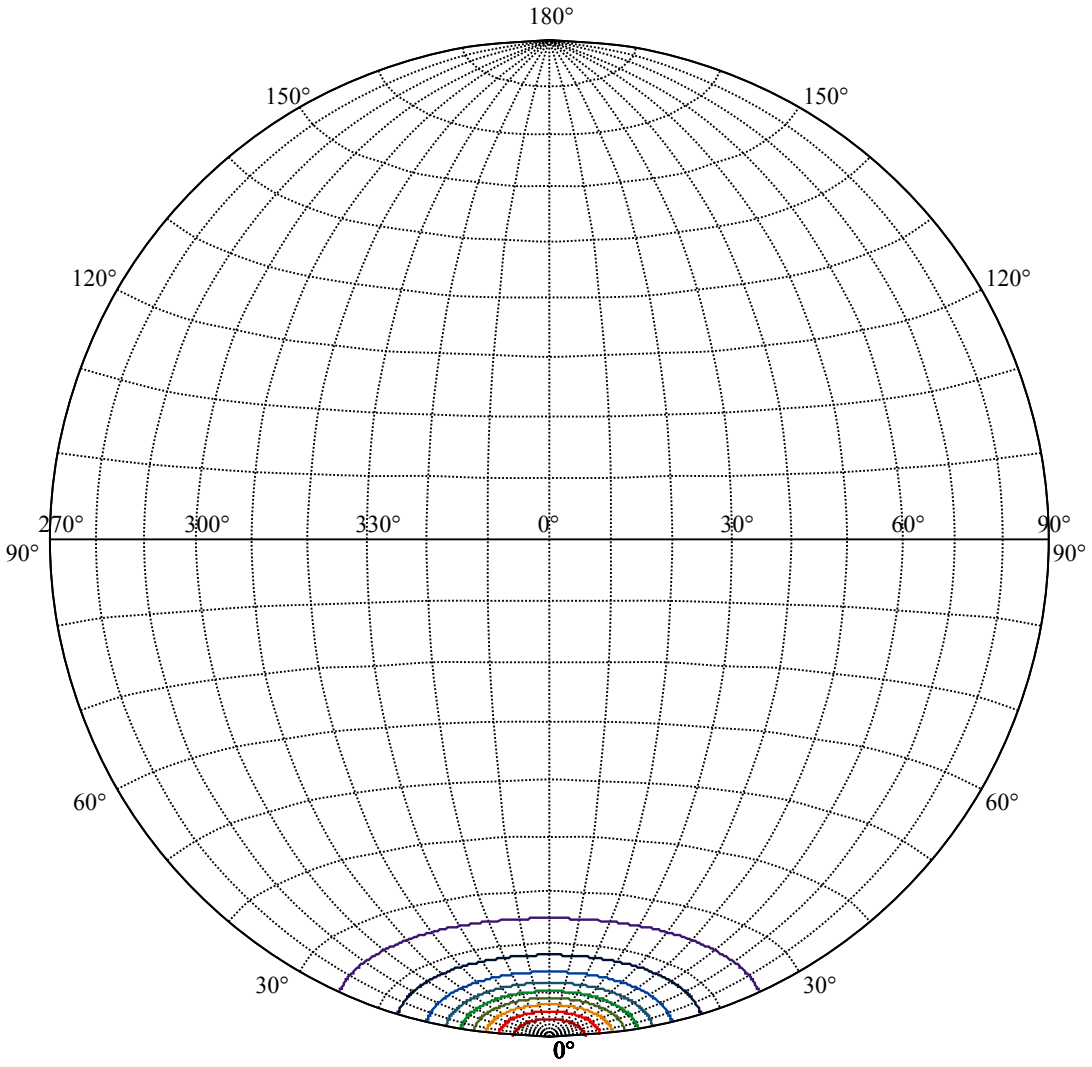


Equipment: GMS1980
Temperature(°C): 25.0

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

Operator: NT07
Distance(m): 7.65

ISO candela diagram on circular web



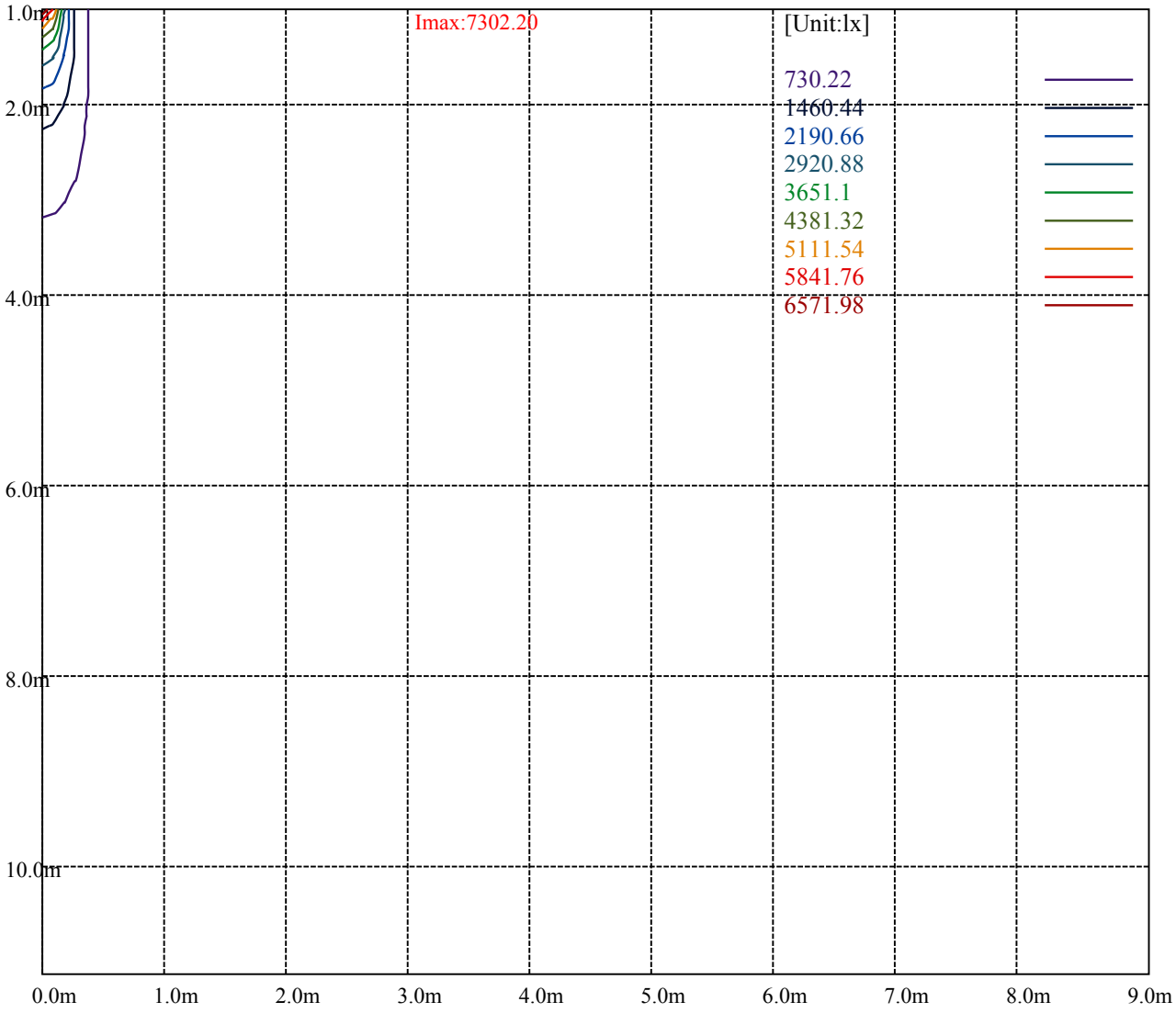
House [Unit:cd] Road

Imax:7302.20

(10%Imax) 730.22
(20%Imax) 1460.44
(30%Imax) 2190.66
(40%Imax) 2920.88
(50%Imax) 3651.1
(60%Imax) 4381.32
(70%Imax) 5111.54
(80%Imax) 5841.76
(90%Imax) 6571.98

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 1-1282-L

Luminance Limitting Curve(no luminous side)

Luminance Table

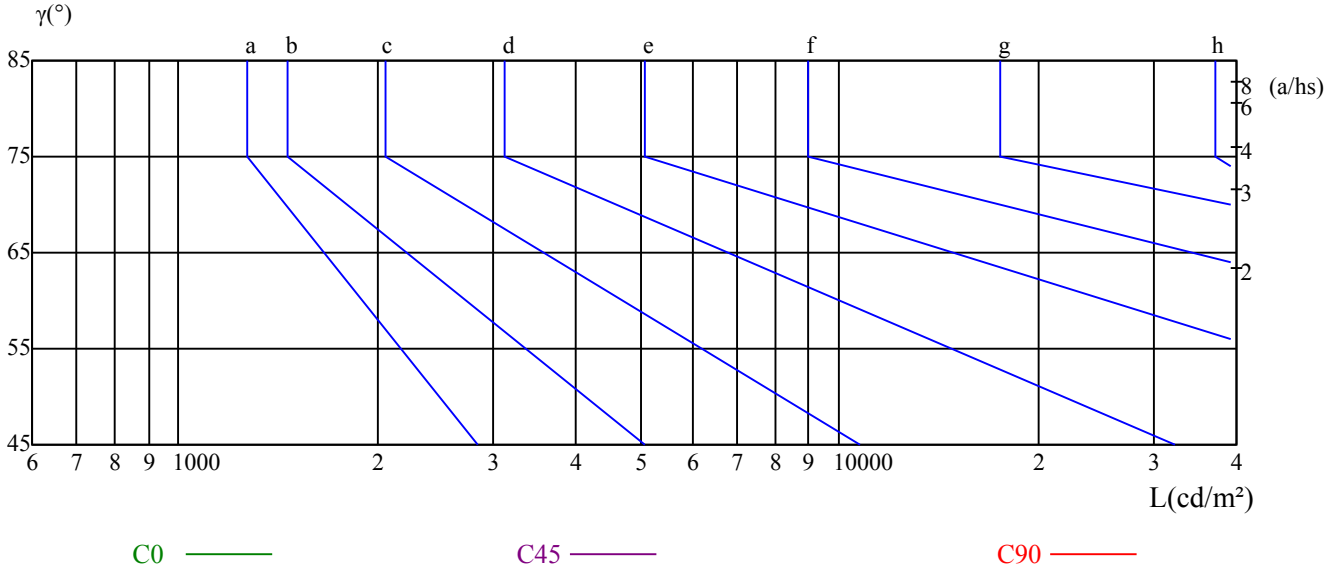
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

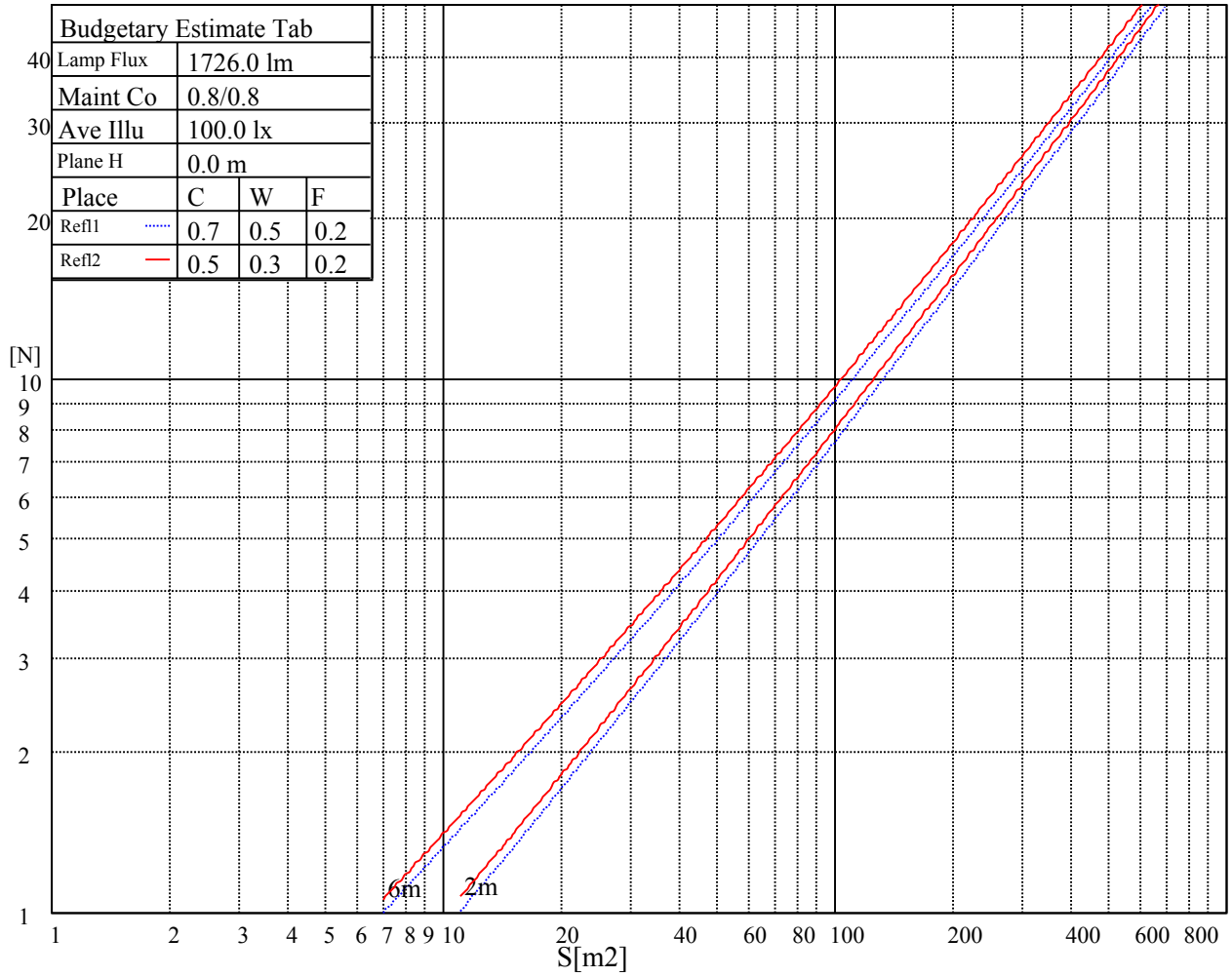
Luminance Limitting Curve



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

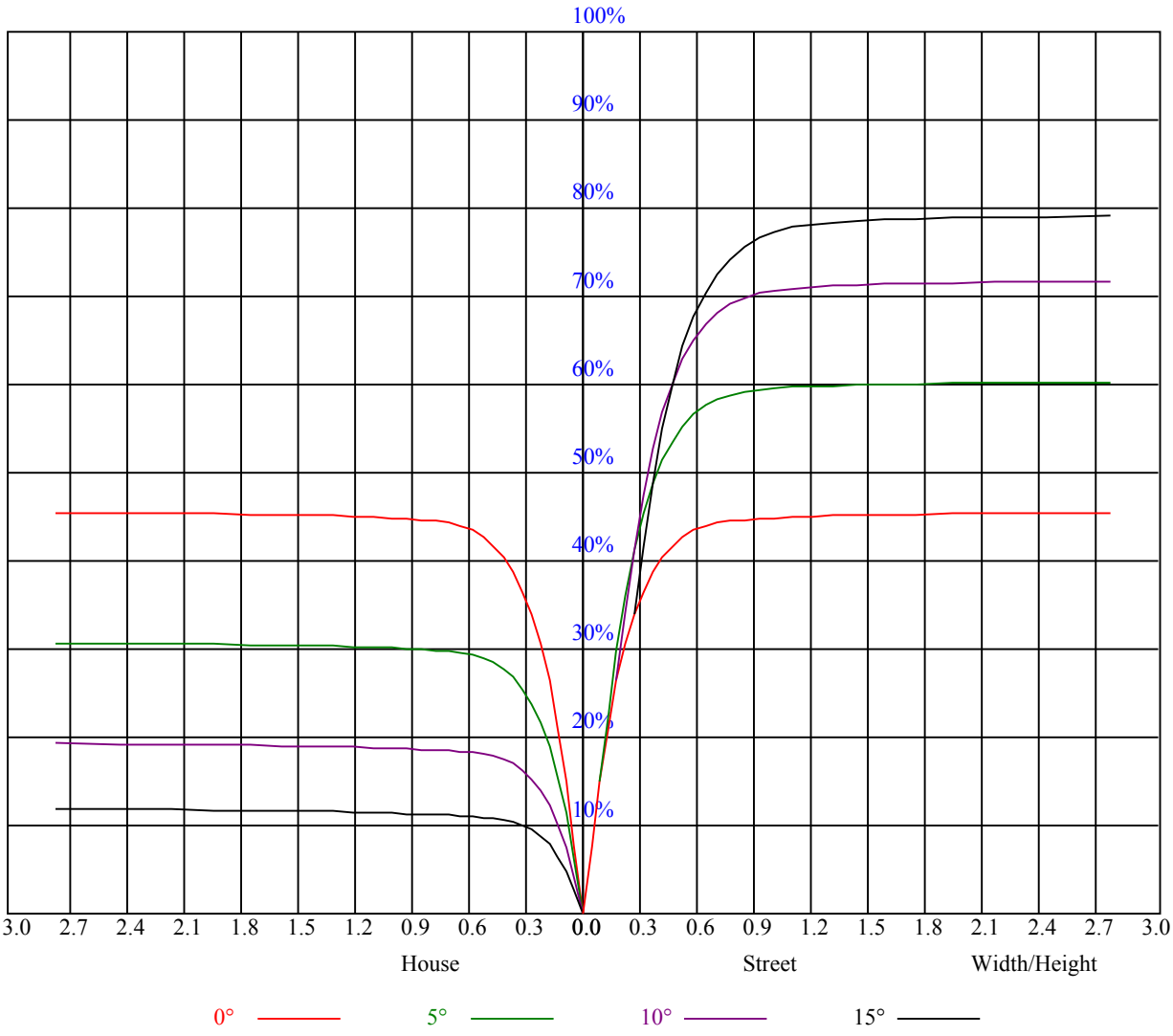


Equipment: GMS1980 Date: 2024/7/20 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

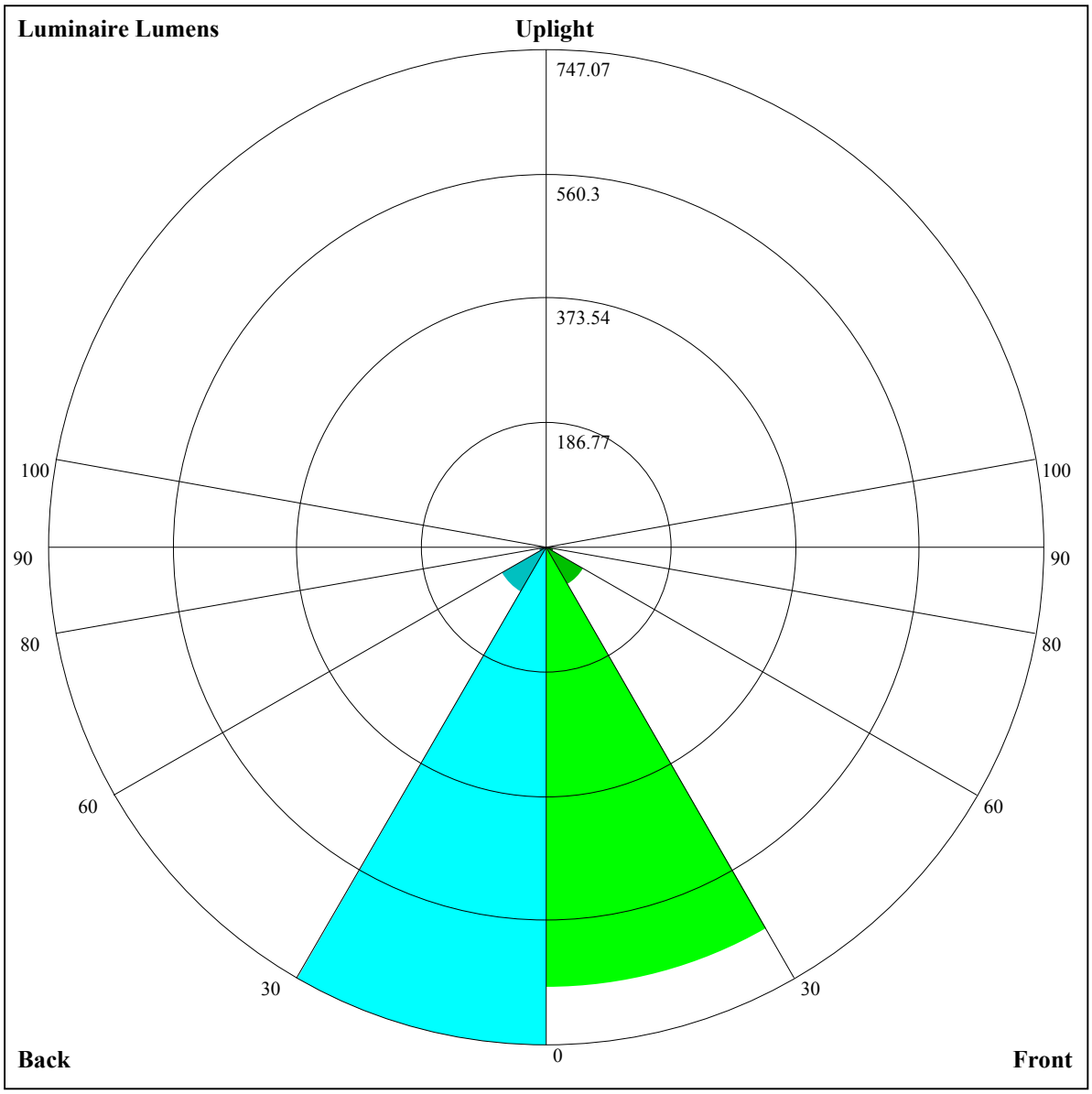
Utilization factor table for indoor luminaire

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	1.07	1.07	1.07	1.02	1.02	1.02	0.98	0.98	0.98	0.94	0.94	0.94	0.92
1	1.03	1.01	0.99	1.01	0.99	0.97	0.97	0.96	0.94	0.94	0.93	0.92	0.91	0.90	0.89	0.87
2	0.97	0.94	0.92	0.96	0.93	0.91	0.93	0.91	0.89	0.90	0.88	0.87	0.88	0.86	0.85	0.84
3	0.92	0.89	0.86	0.91	0.88	0.85	0.89	0.86	0.84	0.87	0.84	0.83	0.85	0.83	0.81	0.80
4	0.88	0.84	0.81	0.87	0.84	0.81	0.85	0.82	0.80	0.84	0.81	0.79	0.82	0.80	0.78	0.77
5	0.85	0.80	0.77	0.84	0.80	0.77	0.82	0.79	0.76	0.81	0.78	0.76	0.80	0.77	0.75	0.74
6	0.81	0.77	0.74	0.81	0.77	0.74	0.79	0.76	0.73	0.78	0.75	0.73	0.77	0.74	0.72	0.71
7	0.78	0.74	0.71	0.78	0.74	0.71	0.77	0.73	0.71	0.76	0.73	0.70	0.75	0.72	0.70	0.69
8	0.76	0.71	0.68	0.75	0.71	0.68	0.74	0.71	0.68	0.73	0.70	0.68	0.73	0.70	0.68	0.67
9	0.73	0.69	0.66	0.73	0.69	0.66	0.72	0.68	0.66	0.71	0.68	0.66	0.71	0.68	0.65	0.64
10	0.71	0.67	0.64	0.70	0.67	0.64	0.70	0.66	0.64	0.69	0.66	0.64	0.69	0.66	0.63	0.63

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=661.49,FM=64.18,FH=10.77,FVH=4.06
BL=747.07,BM=78.54,BH=10.9,BVH=4.14
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	7292.55	7114.05	6889.91	6583.84	6093.42	5621.14	5141.26	4626.85	4124.72
45.0	7296.64	7331.76	7269.72	7141.56	6871.19	6566.28	6191.15	5761.60	5161.74
90.0	7370.97	7380.33	7291.38	7152.09	6923.86	6531.75	6150.77	5627.00	5142.43
135.0	7248.66	7367.46	7407.25	7369.21	7249.83	7055.53	6697.96	6326.93	5808.42
180.0	7292.55	7351.65	7327.08	7222.91	7046.75	6792.77	6338.63	5924.29	5455.53
225.0	7296.64	7192.47	7022.76	6684.50	6342.73	5923.12	5309.22	4795.98	4285.08
270.0	7370.97	7293.72	7129.85	6830.22	6508.93	6078.79	5633.43	4986.18	4457.13
315.0	7248.66	7002.86	6725.46	6350.33	5911.42	5277.03	4740.97	4208.41	3713.31
360.0	7292.55	7114.05	6889.91	6583.84	6093.42	5621.14	5141.26	4626.85	4124.72

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	3533.65	3112.87	2745.35	2352.08	2080.53	1814.84	1638.69	1481.26	1157.69
45.0	4666.64	4182.08	3727.94	3202.41	2824.94	2503.65	2164.22	1938.91	1746.96
90.0	4636.80	4043.96	3594.51	3179.59	2813.82	2432.84	2178.27	1947.10	1758.66
135.0	5348.43	4865.62	4375.20	3801.68	3385.59	2995.83	2666.93	2311.11	2065.90
180.0	4854.50	4355.89	3887.71	3447.62	2964.22	2627.72	2342.13	2095.75	1838.84
225.0	3801.09	3255.67	2874.10	2541.69	2252.59	1951.78	1755.15	1587.19	1306.28
270.0	3955.01	3377.39	2971.83	2610.16	2230.35	1985.73	1779.14	1558.51	1406.35
315.0	3147.98	2764.66	2427.57	2093.99	1862.83	1674.39	1477.17	1160.27	1160.27
360.0	3533.65	3112.87	2745.35	2352.08	2080.53	1814.84	1638.69	1481.26	1157.69

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1157.69	1110.23	1019.64	921.38	845.65	763.89	686.59	594.24	523.02
45.0	1546.81	1411.62	1265.90	1168.75	1079.80	994.94	893.70	813.52	734.52
90.0	1567.88	1427.42	1147.33	1147.33	1077.75	989.21	885.62	807.32	734.11
135.0	1862.24	1651.56	1502.33	1375.92	1239.57	1147.10	1056.39	952.22	872.04
180.0	1672.63	1526.33	1360.12	1239.57	1113.74	1025.96	940.52	860.34	766.70
225.0	1163.02	1163.02	1037.90	951.34	871.87	782.09	706.19	638.71	570.42
270.0	1271.17	1154.71	1037.08	939.34	852.15	775.48	676.58	606.35	536.71
315.0	1085.83	988.04	900.08	816.10	720.53	642.23	571.00	502.36	422.06
360.0	1157.69	1110.23	1019.64	921.38	845.65	763.89	686.59	594.24	523.02

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	456.30	395.09	327.67	279.44	227.48	191.49	161.05	129.16	108.15
45.0	661.36	568.31	499.26	433.13	376.36	309.64	297.35	242.69	174.51
90.0	642.17	567.79	500.54	434.12	361.08	310.29	263.53	222.09	177.79
135.0	788.94	714.62	620.98	550.17	478.19	416.15	345.34	306.13	306.13
180.0	690.62	618.06	549.00	458.29	392.16	339.49	300.86	300.86	191.72
225.0	484.86	418.55	357.46	304.49	245.33	206.00	164.27	136.83	113.18
270.0	454.19	393.91	329.54	303.21	303.21	196.58	158.30	131.79	110.31
315.0	362.90	312.10	255.74	214.54	180.07	144.73	120.79	101.07	80.70
360.0	456.30	395.09	327.67	279.44	227.48	191.49	161.05	129.16	108.15

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	91.00	77.07	62.74	53.61	46.70	41.38	36.05	32.95	30.31
45.0	144.90	113.59	93.52	76.55	62.79	49.51	41.43	35.00	30.20
90.0	148.65	123.83	97.79	80.70	66.95	53.26	44.54	37.57	31.25
135.0	196.40	163.98	129.51	106.75	88.49	73.39	58.29	48.57	41.14
180.0	153.91	128.05	105.22	84.39	69.99	57.41	48.40	39.68	33.88
225.0	88.78	73.62	61.27	48.75	41.26	35.29	30.72	26.45	23.88
270.0	92.93	74.44	63.38	53.96	45.94	38.68	34.29	30.20	27.45
315.0	67.77	57.12	48.28	39.62	34.24	29.96	26.51	23.12	20.89
360.0	91.00	77.07	62.74	53.61	46.70	41.38	36.05	32.95	30.31

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	27.56	25.81	24.35	22.88	21.89	20.83	20.07	19.43	18.84
45.0	25.75	23.17	20.83	18.61	17.32	15.98	15.10	14.40	13.87
90.0	27.51	24.58	22.18	19.84	18.38	17.26	16.39	15.57	15.04
135.0	35.46	30.08	26.80	24.11	22.00	19.72	18.26	16.91	15.98
180.0	30.08	26.86	23.76	22.00	20.37	18.96	17.97	17.21	16.44
225.0	21.77	20.01	18.26	17.15	16.27	15.27	14.69	14.05	13.64
270.0	25.34	23.29	21.77	20.54	19.14	18.26	17.50	16.85	16.15
315.0	18.84	17.56	16.50	15.51	14.86	14.28	13.69	13.28	12.99
360.0	27.56	25.81	24.35	22.88	21.89	20.83	20.07	19.43	18.84

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	18.26	17.62	17.15	16.74	16.33	15.92	15.63	15.27	15.04
45.0	13.34	12.99	12.70	12.41	12.23	12.06	11.94	11.82	11.70
90.0	14.51	14.16	13.93	13.64	13.46	13.23	13.05	12.93	12.82
135.0	15.22	14.46	13.93	13.52	13.11	12.82	12.64	12.41	12.23
180.0	15.98	15.51	15.22	14.92	14.69	14.34	14.16	13.99	13.87
225.0	13.23	12.93	12.64	12.35	12.17	12.06	11.82	11.76	11.65
270.0	15.68	15.39	15.10	14.63	14.28	13.99	13.64	13.40	13.17
315.0	12.70	12.41	12.23	12.06	11.94	11.82	11.76	11.65	11.59
360.0	18.26	17.62	17.15	16.74	16.33	15.92	15.63	15.27	15.04

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	14.75	14.34	13.93	13.46	12.82	12.29	11.76	11.29	10.83
45.0	11.65	11.59	11.41	11.29	11.06	10.83	10.48	10.12	9.83
90.0	12.70	12.47	12.29	12.06	11.82	11.41	11.00	10.65	10.18
135.0	12.11	12.06	12.00	11.88	11.70	11.59	11.29	11.00	10.59
180.0	13.75	13.69	13.52	13.28	12.93	12.64	12.11	11.70	11.29
225.0	11.47	11.35	11.06	10.77	10.48	10.12	9.77	9.54	9.31
270.0	12.93	12.70	12.41	12.00	11.53	11.12	10.71	10.24	9.95
315.0	11.41	11.18	10.94	10.59	10.30	9.95	9.71	9.48	9.31
360.0	14.75	14.34	13.93	13.46	12.82	12.29	11.76	11.29	10.83

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	10.48	10.18	9.89	9.54	9.36	9.13	8.95	8.72	8.54
45.0	9.60	9.36	9.13	8.95	8.78	8.60	8.49	8.31	8.19
90.0	9.95	9.60	9.31	9.13	8.90	8.60	8.43	8.25	8.13
135.0	10.30	10.01	9.71	9.42	9.25	9.01	8.90	8.66	8.54
180.0	10.83	10.48	10.24	9.95	9.66	9.48	9.31	9.13	8.95
225.0	9.13	8.95	8.84	8.66	8.54	8.31	8.19	8.08	7.90
270.0	9.66	9.36	9.07	8.84	8.66	8.49	8.37	8.13	8.02
315.0	9.07	8.95	8.78	8.60	8.49	8.31	8.13	8.02	7.96
360.0	10.48	10.18	9.89	9.54	9.36	9.13	8.95	8.72	8.54

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	8.37	8.25	8.08	7.90	7.78	7.55	7.37	7.14	6.85
45.0	8.02	7.84	7.67	7.55	7.43	7.32	7.14	6.96	6.91
90.0	7.96	7.84	7.67	7.55	7.43	7.26	7.14	7.02	6.91
135.0	8.37	8.25	8.13	7.96	7.84	7.67	7.49	7.32	7.20
180.0	8.78	8.54	8.43	8.31	8.13	7.96	7.78	7.67	7.43
225.0	7.78	7.67	7.55	7.43	7.32	7.14	6.96	6.85	6.73
270.0	7.84	7.72	7.55	7.43	7.26	7.14	6.96	6.85	6.79
315.0	7.84	7.72	7.61	7.49	7.37	7.14	7.02	6.91	6.85
360.0	8.37	8.25	8.08	7.90	7.78	7.55	7.37	7.14	6.85

Intensity data(cd)

C/γ(°)	90.0
0.0	6.85
45.0	6.79
90.0	6.85
135.0	7.14
180.0	7.14
225.0	6.73
270.0	6.73
315.0	6.85
360.0	6.85