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

NT

Client:
LumCAT: 1-1207-L
Luminaire: 92.70.428.00
Report No: 2024720-B009
Ballast type: AC

Test No: 2024720-C009	Voltage(V): 34.920
LampCAT: CREE CXA1516 LES8.9	Current(A): 0.330
Lamp flux(lm): 1726.0	Power (W): 11.523
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 1586.24, Efficiency(%): 91.90% , Luminous Efficacy(lm/W): 137.66
Central intensity(cd): 5314.487, Maximum intensity(cd): 5314.487
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=27.2
[C90/270]Total=27.2
Field angle(10%Imax): [C0/180]Total=57.8
[C90/270]Total=57.8
Maximum s/h(1/2): C0_180=0.46 C90_270=0.46
Maximum s/h(1/4): C0_180=0.45 C90_270=0.45
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 91.90%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 98.039%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	5314.487	0.000	0	0.00%	0.00%
1.0	5298.539	5.078	5.078	0.29%	0.32%
2.0	5259.183	15.153	20.232	0.88%	1.28%
3.0	5187.420	24.985	45.216	1.45%	2.85%
4.0	5082.591	34.377	79.593	1.99%	5.02%
5.0	4934.529	43.093	122.687	2.50%	7.73%
6.0	4761.449	50.955	173.642	2.95%	10.95%
7.0	4554.718	57.825	231.467	3.35%	14.59%
8.0	4319.604	63.512	294.979	3.68%	18.60%
9.0	4055.448	67.875	362.854	3.93%	22.88%
10.0	3776.077	70.872	433.726	4.11%	27.34%
11.0	3481.123	72.514	506.241	4.20%	31.91%
12.0	3165.687	72.659	578.9	4.21%	36.50%
13.0	2854.859	71.449	650.349	4.14%	41.00%
14.0	2531.010	68.939	719.287	3.99%	45.35%
15.0	2246.298	65.585	784.872	3.80%	49.48%
16.0	1961.660	61.658	846.531	3.57%	53.37%
17.0	1661.702	56.425	902.956	3.27%	56.92%
18.0	1440.758	51.153	954.109	2.96%	60.15%
19.0	1292.338	47.550	1001.659	2.75%	63.15%
20.0	1163.427	44.947	1046.607	2.60%	65.98%
21.0	1051.481	42.531	1089.137	2.46%	68.66%
22.0	955.036	40.322	1129.459	2.34%	71.20%
23.0	881.685	38.539	1167.998	2.23%	73.63%
24.0	816.243	37.123	1205.121	2.15%	75.97%
25.0	763.492	35.920	1241.041	2.08%	78.24%
26.0	710.983	34.805	1275.846	2.02%	80.43%
27.0	655.167	33.423	1309.269	1.94%	82.54%
28.0	593.206	31.606	1340.875	1.83%	84.53%
29.0	522.913	29.201	1370.076	1.69%	86.37%
30.0	452.518	26.336	1396.413	1.53%	88.03%
31.0	378.238	23.119	1419.531	1.34%	89.49%
32.0	313.944	19.830	1439.362	1.15%	90.74%
33.0	261.069	16.940	1456.302	0.98%	91.81%
34.0	223.307	14.659	1470.96	0.85%	92.73%
35.0	155.165	11.754	1482.714	0.68%	93.47%
36.0	106.291	8.325	1491.039	0.48%	94.00%
37.0	83.782	6.199	1497.238	0.36%	94.39%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	70.629	5.154	1502.392	0.30%	94.71%
39.0	62.070	4.529	1506.922	0.26%	95.00%
40.0	55.969	4.117	1511.039	0.24%	95.26%
41.0	50.863	3.804	1514.843	0.22%	95.50%
42.0	46.094	3.523	1518.365	0.20%	95.72%
43.0	42.209	3.271	1521.636	0.19%	95.93%
44.0	38.471	3.045	1524.682	0.18%	96.12%
45.0	34.982	2.823	1527.504	0.16%	96.30%
46.0	31.558	2.602	1530.107	0.15%	96.46%
47.0	28.793	2.400	1532.507	0.14%	96.61%
48.0	26.525	2.236	1534.743	0.13%	96.75%
49.0	24.682	2.103	1536.846	0.12%	96.89%
50.0	23.058	1.990	1538.837	0.12%	97.01%
51.0	21.734	1.895	1540.732	0.11%	97.13%
52.0	20.615	1.817	1542.549	0.11%	97.25%
53.0	19.590	1.749	1544.298	0.10%	97.36%
54.0	18.669	1.686	1545.984	0.10%	97.46%
55.0	17.901	1.632	1547.616	0.09%	97.56%
56.0	17.176	1.585	1549.201	0.09%	97.66%
57.0	16.533	1.541	1550.743	0.09%	97.76%
58.0	15.925	1.501	1552.244	0.09%	97.86%
59.0	15.362	1.463	1553.706	0.08%	97.95%
60.0	14.792	1.425	1555.131	0.08%	98.04%
61.0	14.294	1.388	1556.519	0.08%	98.13%
62.0	13.826	1.355	1557.874	0.08%	98.21%
63.0	13.372	1.323	1559.197	0.08%	98.29%
64.0	12.955	1.292	1560.489	0.07%	98.38%
65.0	12.619	1.266	1561.754	0.07%	98.46%
66.0	12.209	1.239	1562.993	0.07%	98.53%
67.0	11.822	1.208	1564.201	0.07%	98.61%
68.0	11.463	1.180	1565.381	0.07%	98.68%
69.0	11.127	1.152	1566.533	0.07%	98.76%
70.0	10.834	1.128	1567.661	0.07%	98.83%
71.0	10.585	1.107	1568.768	0.06%	98.90%
72.0	10.322	1.087	1569.855	0.06%	98.97%
73.0	10.088	1.067	1570.923	0.06%	99.03%
74.0	9.846	1.048	1571.971	0.06%	99.10%
75.0	9.576	1.026	1572.997	0.06%	99.16%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	9.356	1.005	1574.002	0.06%	99.23%
77.0	9.130	0.986	1574.987	0.06%	99.29%
78.0	8.910	0.966	1575.953	0.06%	99.35%
79.0	8.705	0.946	1576.9	0.05%	99.41%
80.0	8.537	0.930	1577.829	0.05%	99.47%
81.0	8.361	0.914	1578.743	0.05%	99.53%
82.0	8.208	0.899	1579.641	0.05%	99.58%
83.0	8.010	0.882	1580.523	0.05%	99.64%
84.0	7.864	0.865	1581.388	0.05%	99.69%
85.0	7.703	0.850	1582.237	0.05%	99.75%
86.0	7.542	0.833	1583.071	0.05%	99.80%
87.0	7.396	0.818	1583.888	0.05%	99.85%
88.0	7.249	0.802	1584.691	0.05%	99.90%
89.0	7.059	0.784	1585.475	0.05%	99.95%
90.0	6.950	0.768	1586.243	0.04%	100.00%

Zonal flux distribution table

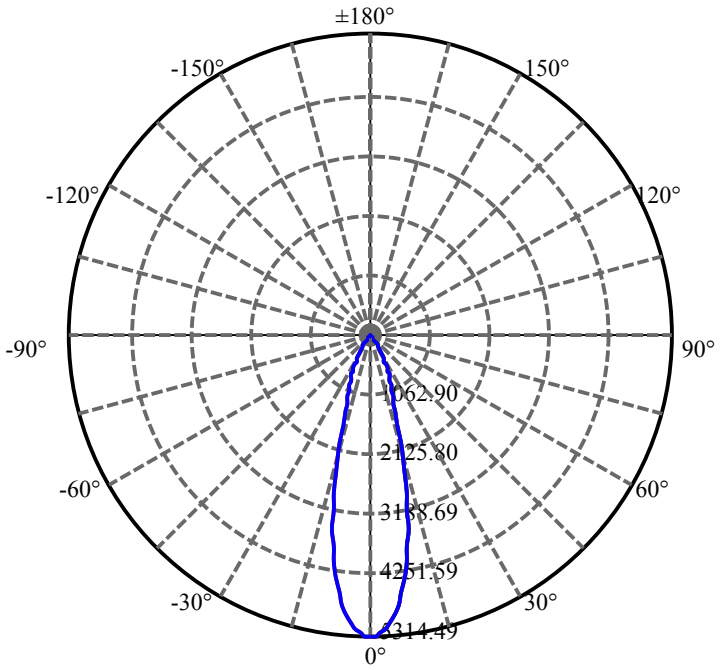
ZONAL LUMEN SUMMARY

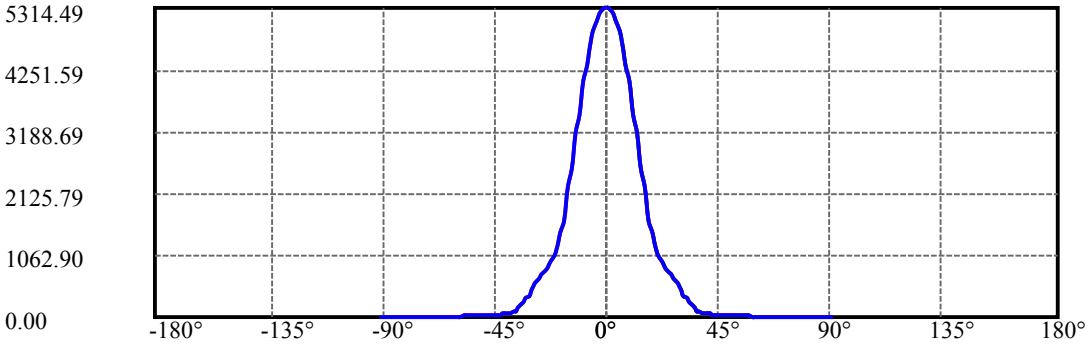
Zone	Lumens	%Lamp	%Fixt
0-30	1396.41	80.90%	88.03%
0-40	1511.04	87.55%	95.26%
0-60	1555.13	90.10%	98.04%
0-90	1585.47	91.86%	99.95%
0-120	1585.47	91.86%	99.95%
0-180	1586.24	91.90%	100.00%
60-90	30.34	1.76%	1.91%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-25.80	1268.99	73.52%	80.00%

ZONAL LUMEN SUMMARY

0-10	433.73
10-20	612.88
20-30	349.81
30-40	114.63
40-50	27.80
50-60	16.29
60-70	12.53
70-80	10.17
80-90	7.65
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):

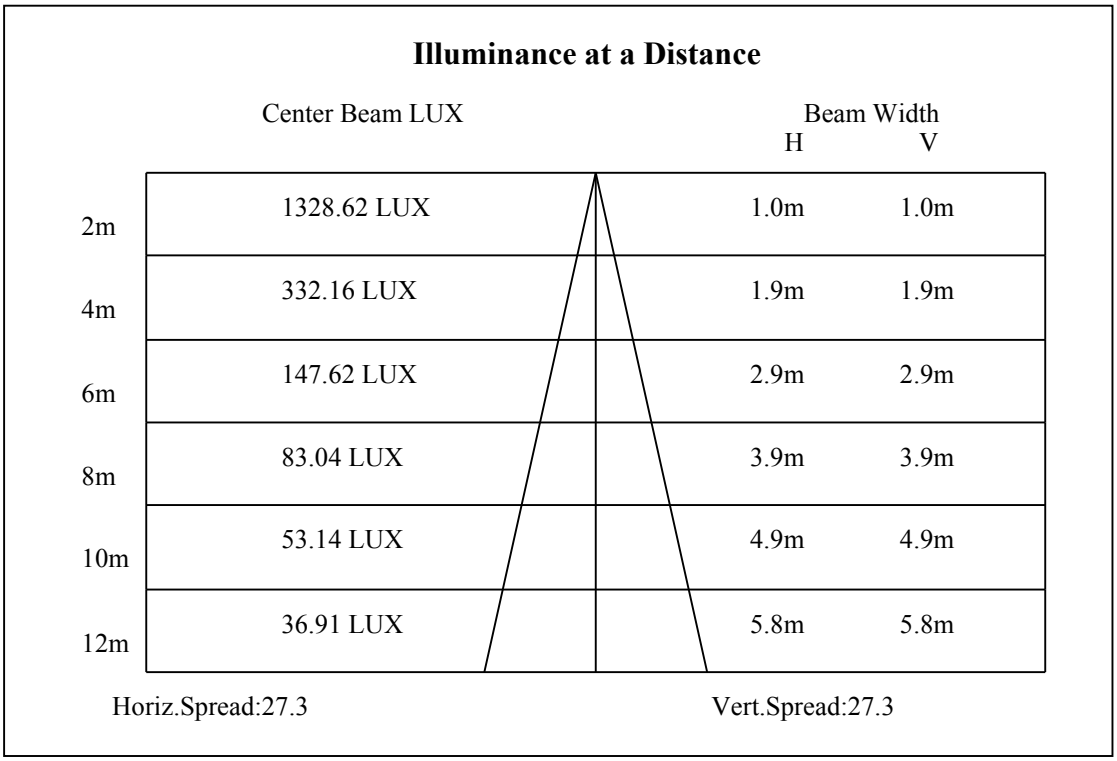
C0/C180:

C90/C270:

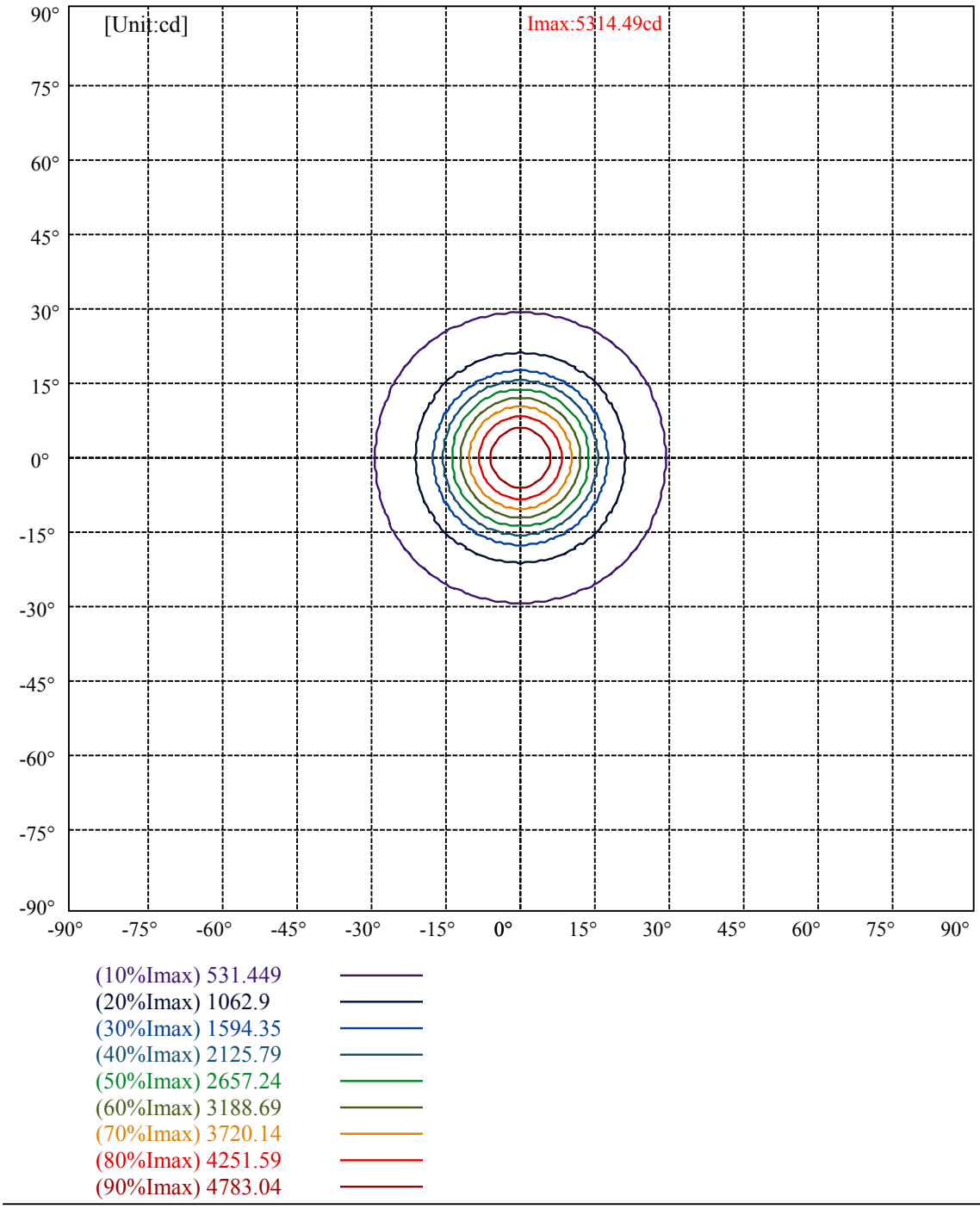
Field angle(10%Imax):C0/180Left:28.9 Right:28.9
:C90/270Left:28.9 Right:28.9

Beam Angle(50%Imax):C0/180Left:13.6 Right:13.6
:C90/270Left:13.6 Right:13.6

Lux distance Curve



ISO-Intensity(V-H)

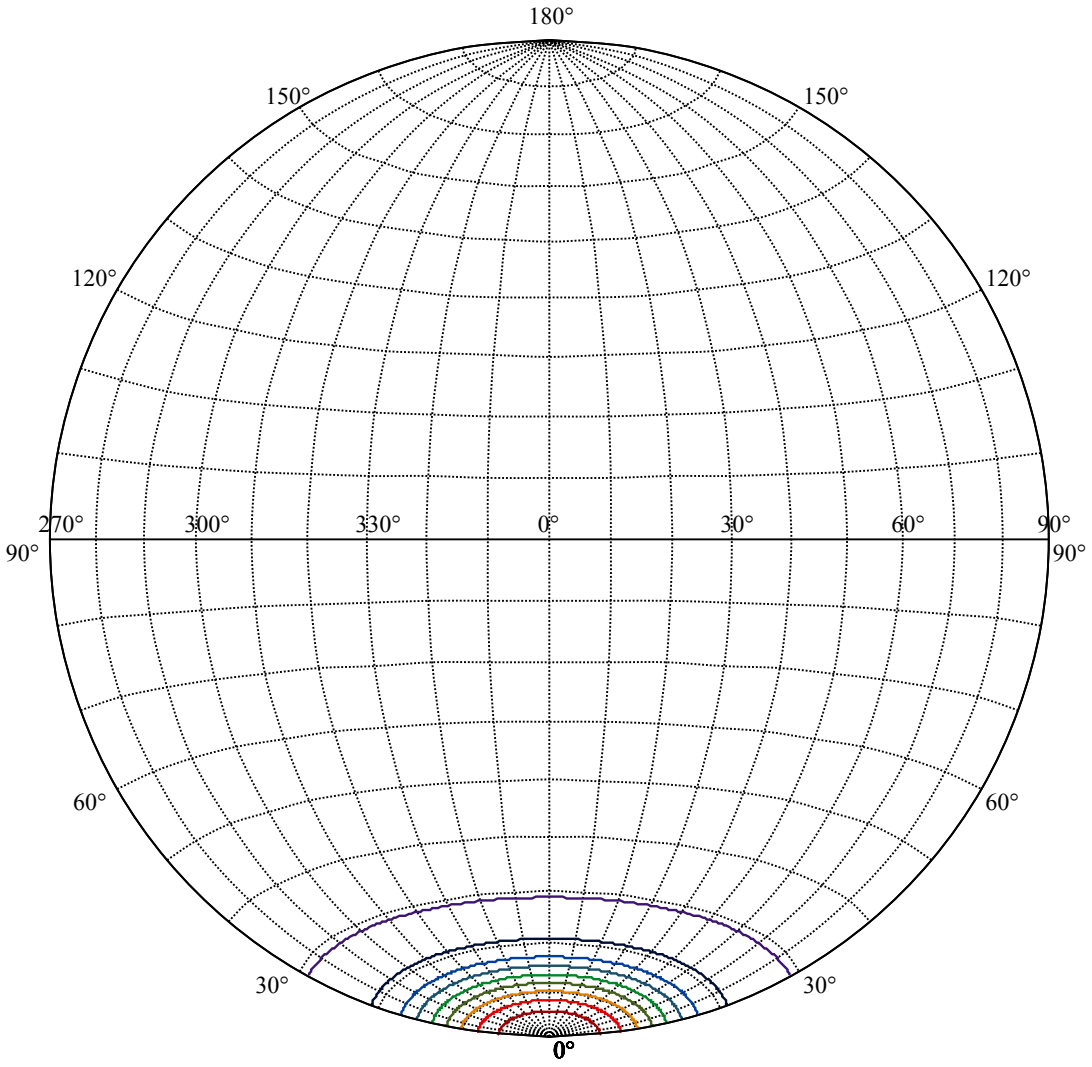


Equipment: GMS1980
Temperature(°C): 25.0

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

Operator: NT07
Distance(m): 7.65

ISO candela diagram on circular web



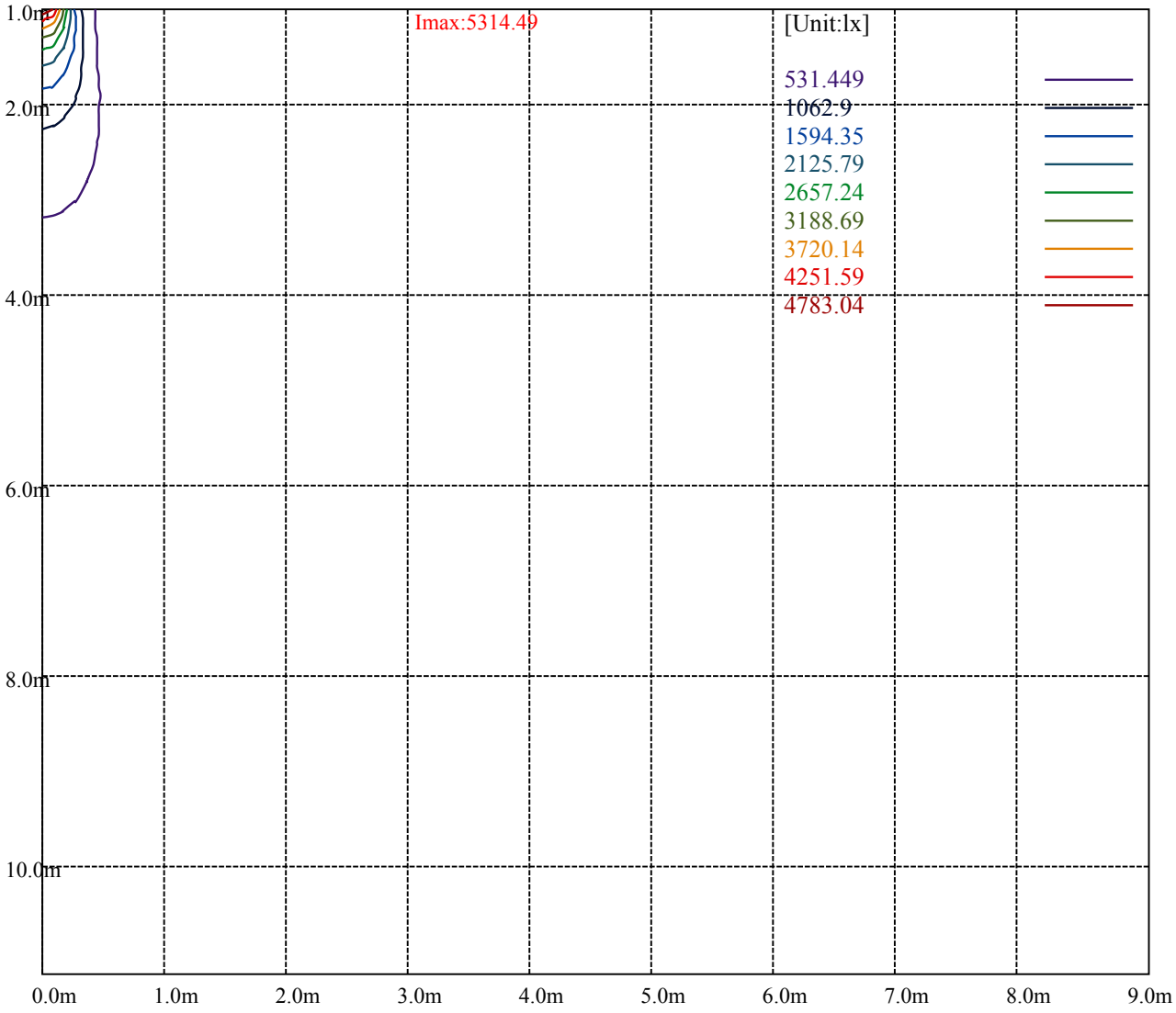
House [Unit:cd] Road

Imax:5314.49

(10%Imax) 531.449
(20%Imax) 1062.9
(30%Imax) 1594.35
(40%Imax) 2125.79
(50%Imax) 2657.24
(60%Imax) 3188.69
(70%Imax) 3720.14
(80%Imax) 4251.59
(90%Imax) 4783.04

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 1-1207-L

Luminance Limitting Curve(no luminous side)

Luminance Table

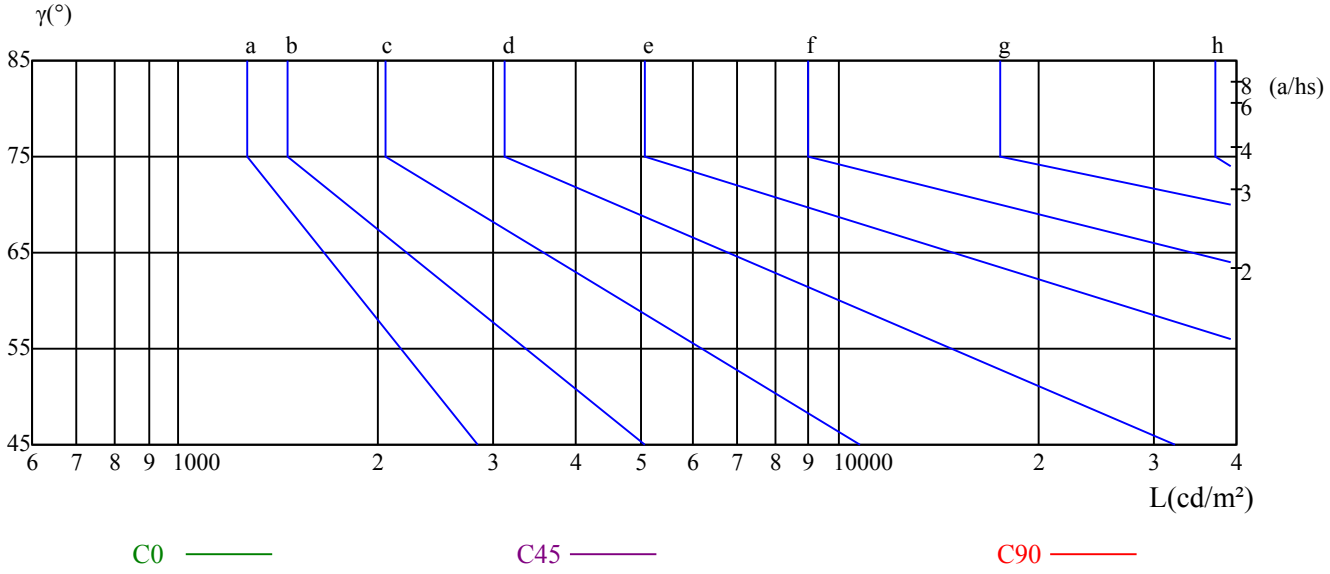
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

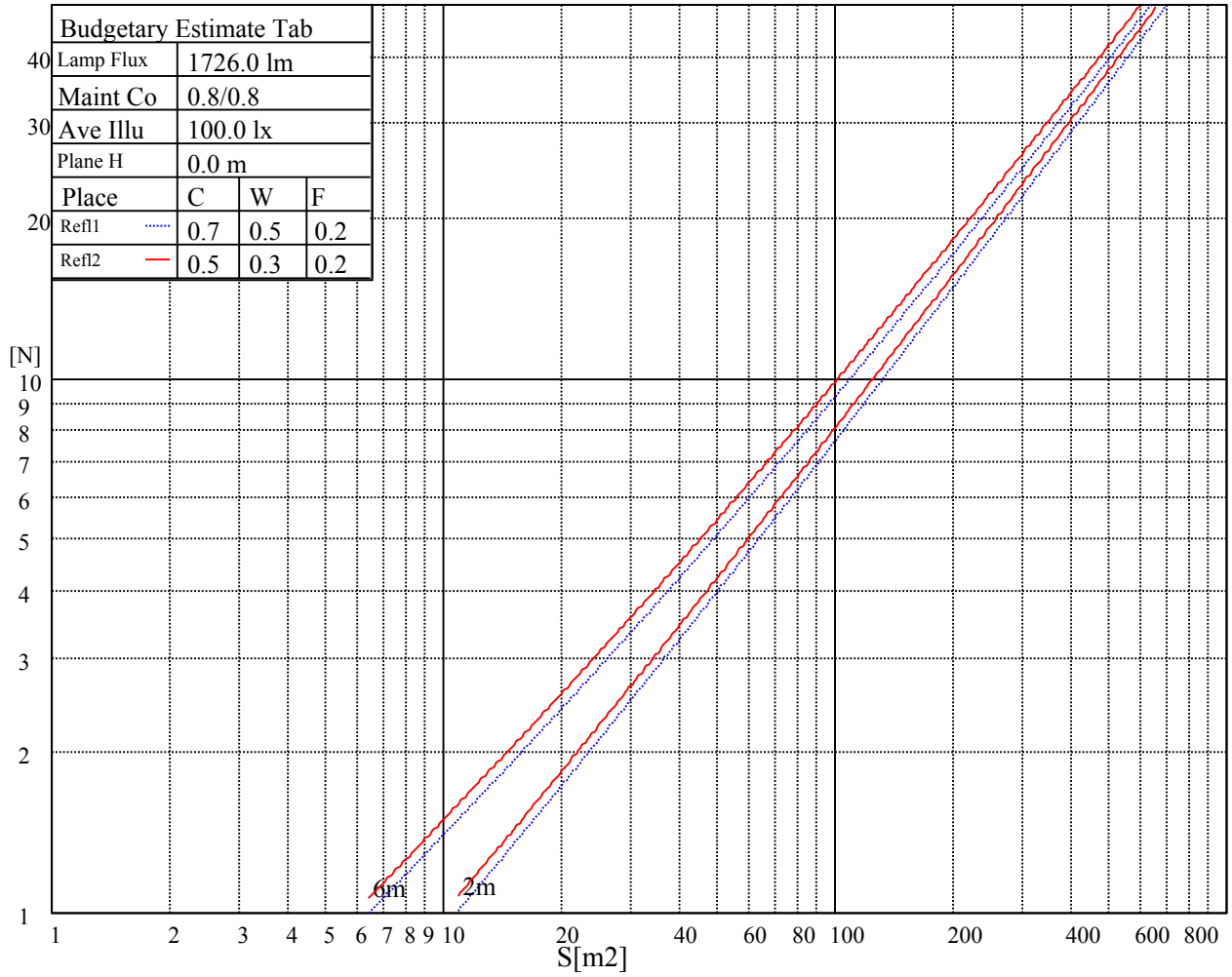
Luminance Limitting Curve



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

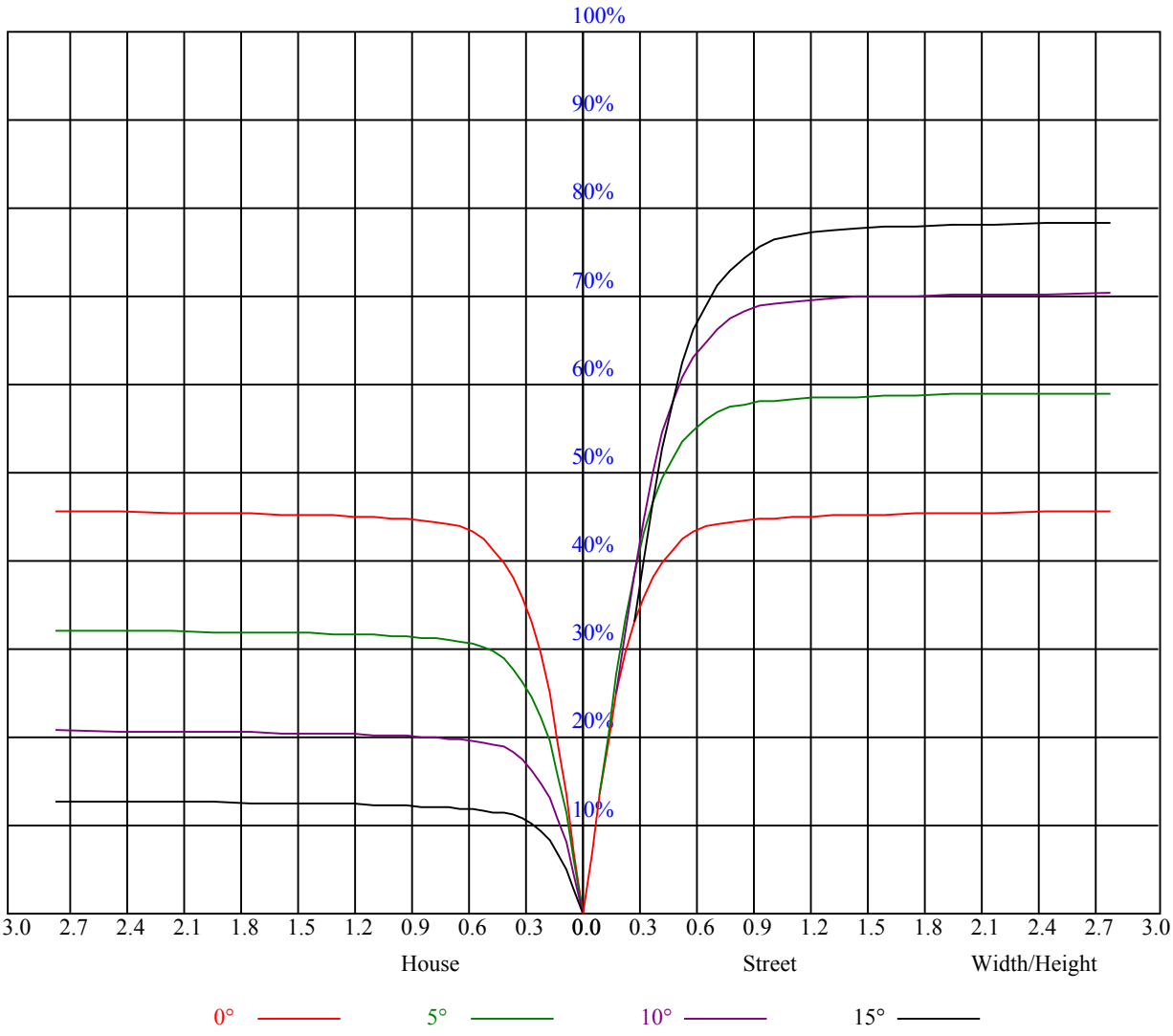


Equipment: GMS1980 Date: 2024/7/20 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

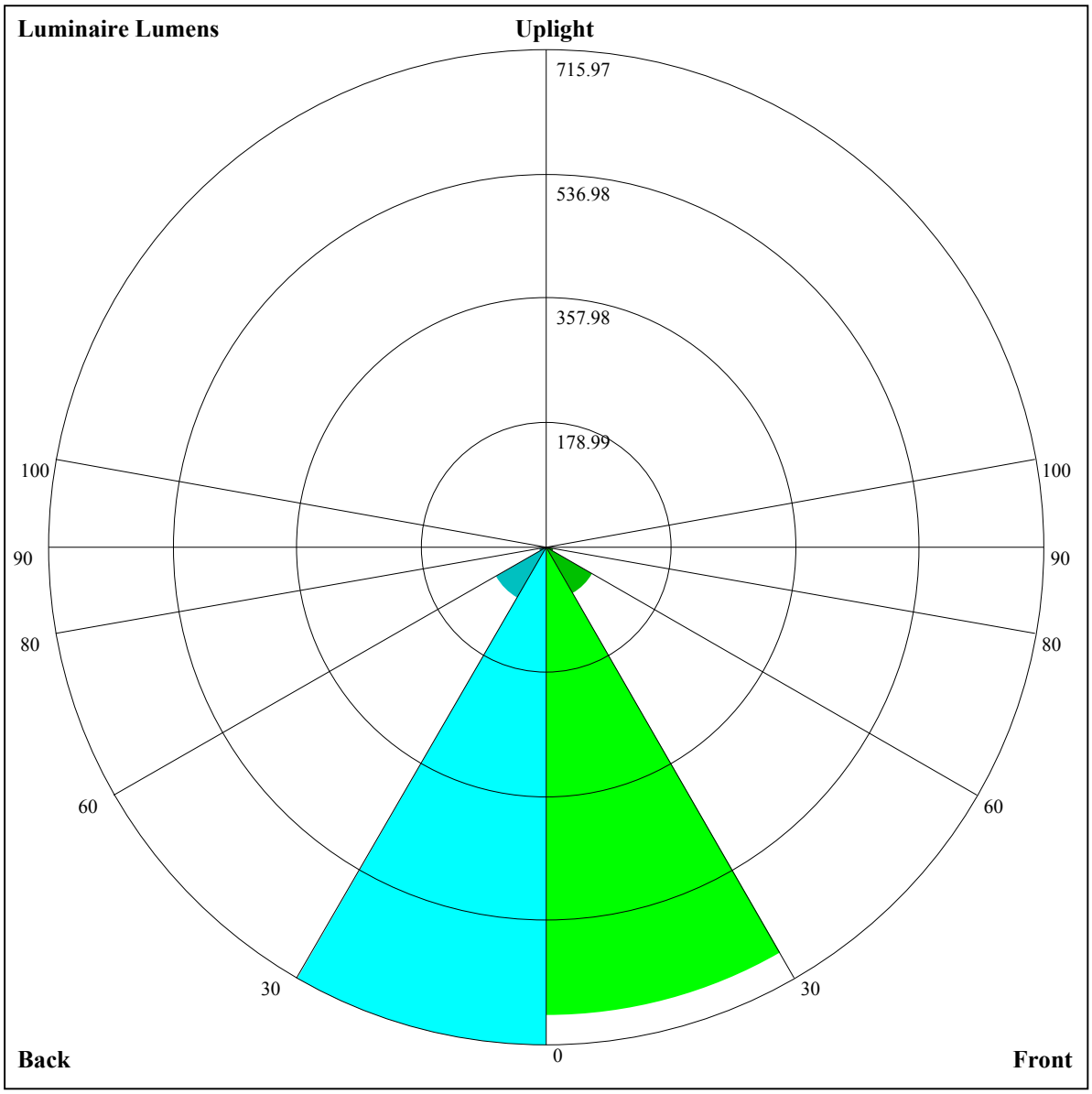
Utilization factor table for indoor luminaire

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	0.92	0.91	0.90	0.90	0.89	0.87
2	0.97	0.94	0.91	0.95	0.92	0.90	0.92	0.90	0.88	0.90	0.88	0.86	0.87	0.86	0.84	0.83
3	0.92	0.88	0.85	0.91	0.87	0.84	0.88	0.85	0.83	0.86	0.84	0.82	0.84	0.82	0.81	0.79
4	0.88	0.83	0.80	0.87	0.83	0.80	0.85	0.81	0.79	0.83	0.80	0.78	0.81	0.79	0.77	0.76
5	0.84	0.79	0.76	0.83	0.79	0.76	0.81	0.78	0.75	0.80	0.77	0.74	0.79	0.76	0.74	0.73
6	0.80	0.76	0.73	0.79	0.75	0.72	0.78	0.75	0.72	0.77	0.74	0.71	0.76	0.73	0.71	0.70
7	0.77	0.73	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	0.66	0.64	0.69	0.66	0.64	0.69	0.66	0.63	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	0.61	0.60

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=674.21,FM=76.09,FH=11.04,FVH=4.17
BL=715.97,BM=84.66,BH=11.6,BVH=4.22
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	5317.41	5299.86	5267.08	5179.88	5067.52	4883.18	4705.27	4508.63	4276.88
45.0	5288.15	5312.15	5327.36	5296.34	5216.17	5102.64	4957.50	4791.88	4550.77
90.0	5332.04	5326.19	5277.62	5194.52	5024.80	4839.87	4646.75	4369.35	4129.99
135.0	5320.34	5330.29	5312.73	5265.91	5183.98	5059.33	4853.33	4652.01	4369.93
180.0	5317.41	5296.34	5268.84	5227.29	5150.62	5058.74	4904.24	4747.40	4560.13
225.0	5288.15	5243.09	5172.28	5099.12	5018.36	4883.76	4738.63	4552.52	4333.65
270.0	5332.04	5305.12	5256.55	5161.74	5064.60	4933.51	4786.03	4553.11	4332.48
315.0	5320.34	5275.28	5191.00	5074.54	4934.68	4715.22	4499.85	4262.84	4003.00
360.0	5317.41	5299.86	5267.08	5179.88	5067.52	4883.18	4705.27	4508.63	4276.88

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	3947.99	3649.52	3259.18	2938.47	2618.36	2237.96	1962.90	1711.84	1337.88
45.0	4323.12	4073.22	3792.90	3407.82	3094.73	2780.46	2396.55	2104.53	1835.32
90.0	3883.61	3543.01	3255.08	2951.93	2651.71	2292.38	2024.35	1777.97	1561.44
135.0	4126.48	3880.69	3613.82	3278.49	3002.26	2724.28	2453.32	2121.50	1873.36
180.0	4310.24	4079.08	3828.02	3570.52	3221.72	2943.16	2666.34	2391.29	2041.32
225.0	4106.00	3785.29	3522.53	3247.47	2960.13	2610.75	2336.86	2003.28	1749.88
270.0	4100.14	3846.74	3516.68	3231.09	2876.44	2590.26	2316.38	1993.92	1751.64
315.0	3646.01	3351.06	3060.79	2699.70	2413.53	2068.83	1813.67	1588.94	1142.77
360.0	3947.99	3649.52	3259.18	2938.47	2618.36	2237.96	1962.90	1711.84	1337.88

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1164.48	1164.48	1061.07	963.34	893.64	835.17	785.61	739.72	682.66
45.0	1562.02	1381.77	1236.64	1095.01	1003.13	925.88	846.88	795.38	747.39
90.0	1142.42	1142.42	1085.94	997.81	905.46	846.82	790.11	749.32	708.94
135.0	1662.68	1483.60	1292.24	1164.66	1036.49	949.88	879.65	814.11	771.97
180.0	1785.58	1574.90	1323.25	1184.55	1075.12	957.49	881.41	805.91	753.83
225.0	1524.57	1133.41	1133.41	1019.52	910.79	848.87	789.35	738.85	668.85
270.0	1541.54	1368.31	1178.70	1066.34	975.04	898.96	813.52	762.02	714.03
315.0	1142.77	1089.81	996.17	920.62	840.62	790.40	743.41	702.62	640.18
360.0	1164.48	1164.48	1061.07	963.34	893.64	835.17	785.61	739.72	682.66

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	625.14	543.09	475.26	407.78	322.99	261.65	205.30	145.66	108.56
45.0	705.84	652.00	575.33	508.62	441.32	358.22	309.06	309.06	161.23
90.0	647.67	586.10	526.23	461.33	379.17	315.14	254.92	198.51	139.99
135.0	730.42	678.92	602.84	537.30	469.99	405.03	326.03	296.18	296.18
180.0	701.16	643.22	577.09	490.48	419.66	352.95	306.13	306.13	167.84
225.0	605.42	537.53	469.47	402.93	320.76	261.89	194.94	150.34	113.88
270.0	644.98	585.28	518.57	438.39	376.36	316.08	300.86	232.51	147.42
315.0	580.72	519.50	438.51	373.32	295.66	240.59	191.31	148.06	106.22
360.0	625.14	543.09	475.26	407.78	322.99	261.65	205.30	145.66	108.56

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	84.39	71.22	61.74	56.06	51.27	47.11	42.55	39.09	35.64
45.0	118.45	82.22	68.41	60.98	55.13	50.27	45.35	42.14	39.03
90.0	104.70	84.74	72.33	65.14	58.29	53.72	49.69	46.06	41.38
135.0	148.24	110.08	84.97	69.99	62.38	56.47	50.15	45.76	41.90
180.0	119.27	91.76	75.03	65.43	58.76	53.31	47.58	43.83	40.32
225.0	83.75	70.99	63.61	56.12	50.97	46.53	42.55	38.22	35.00
270.0	107.45	86.61	74.27	66.31	59.69	52.90	48.34	44.18	39.50
315.0	84.10	72.63	64.67	56.53	51.27	46.58	42.55	38.39	35.00
360.0	84.39	71.22	61.74	56.06	51.27	47.11	42.55	39.09	35.64

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	31.31	28.44	25.57	23.76	22.18	20.48	19.37	18.32	17.44
45.0	35.87	31.84	29.03	26.34	24.46	22.77	21.01	19.90	18.90
90.0	37.75	34.41	31.66	28.91	26.98	25.22	23.76	22.18	21.01
135.0	38.57	34.76	31.78	29.26	27.39	25.52	24.11	22.94	21.83
180.0	37.28	33.71	30.84	28.62	26.80	25.05	23.82	22.88	21.83
225.0	32.01	29.26	26.51	24.87	23.12	21.89	20.95	19.84	18.96
270.0	36.23	31.95	29.14	26.86	24.52	22.94	21.65	20.66	19.43
315.0	30.84	28.09	25.81	23.58	22.00	20.60	19.20	18.20	17.32
360.0	31.31	28.44	25.57	23.76	22.18	20.48	19.37	18.32	17.44

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	16.50	15.86	15.22	14.69	14.16	13.75	13.40	13.05	12.87
45.0	17.73	16.91	16.09	15.45	14.69	14.16	13.69	13.23	12.76
90.0	19.61	18.67	17.85	16.74	16.09	15.39	14.81	14.34	13.81
135.0	21.13	20.48	19.72	19.20	18.43	17.85	17.09	16.39	15.57
180.0	21.19	20.60	19.96	19.49	18.96	18.20	17.44	16.68	15.98
225.0	18.14	17.38	16.56	15.98	15.33	14.81	14.16	13.69	13.28
270.0	18.49	17.56	16.85	16.09	15.51	15.04	14.40	13.99	13.64
315.0	16.56	15.74	15.16	14.63	14.22	13.69	13.34	12.99	12.70
360.0	16.50	15.86	15.22	14.69	14.16	13.75	13.40	13.05	12.87

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	12.64	12.41	12.23	12.06	11.82	11.59	11.35	11.12	10.83
45.0	12.41	12.17	11.88	11.65	11.35	11.12	10.83	10.48	10.30
90.0	13.40	12.87	12.58	12.17	11.70	11.18	10.89	10.59	10.30
135.0	14.92	14.34	13.87	13.17	12.64	12.17	11.59	11.18	10.83
180.0	15.22	14.63	14.10	13.58	12.99	12.52	12.06	11.70	11.41
225.0	12.76	12.41	12.11	11.70	11.41	11.06	10.83	10.59	10.42
270.0	13.17	12.76	12.41	11.88	11.53	11.29	10.94	10.65	10.48
315.0	12.47	12.06	11.76	11.47	11.12	10.77	10.53	10.36	10.12
360.0	12.64	12.41	12.23	12.06	11.82	11.59	11.35	11.12	10.83

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	10.59	10.36	10.12	9.83	9.66	9.42	9.19	9.07	8.84
45.0	10.07	9.89	9.60	9.36	9.13	8.95	8.72	8.49	8.37
90.0	10.01	9.77	9.54	9.31	9.07	8.90	8.72	8.54	8.37
135.0	10.53	10.30	10.07	9.77	9.54	9.36	9.13	8.90	8.72
180.0	11.12	10.89	10.65	10.36	10.12	9.83	9.60	9.36	9.19
225.0	10.18	9.89	9.71	9.42	9.25	8.95	8.72	8.49	8.31
270.0	10.24	9.95	9.66	9.42	9.19	8.90	8.78	8.49	8.37
315.0	9.83	9.66	9.42	9.13	8.90	8.72	8.43	8.31	8.13
360.0	10.59	10.36	10.12	9.83	9.66	9.42	9.19	9.07	8.84

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	8.72	8.60	8.43	8.25	8.13	7.96	7.78	7.49	6.96
45.0	8.13	8.02	7.78	7.67	7.49	7.37	7.26	7.14	6.96
90.0	8.13	8.02	7.78	7.67	7.55	7.32	7.20	7.08	6.91
135.0	8.54	8.37	8.19	8.02	7.78	7.67	7.49	7.37	7.20
180.0	8.95	8.78	8.60	8.37	8.19	7.96	7.84	7.67	7.55
225.0	8.19	8.02	7.78	7.67	7.49	7.37	7.20	7.08	6.96
270.0	8.19	8.02	7.84	7.72	7.55	7.37	7.26	7.14	7.02
315.0	8.02	7.84	7.67	7.55	7.43	7.32	7.14	7.02	6.91
360.0	8.72	8.60	8.43	8.25	8.13	7.96	7.78	7.49	6.96

Intensity data(cd)

C/γ(°)	90.0
0.0	6.96
45.0	6.91
90.0	6.91
135.0	7.02
180.0	7.14
225.0	6.85
270.0	6.91
315.0	6.91
360.0	6.96