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NT

Client:
LumCAT: 1-1302-L
Luminaire: 92.70.427.00
Report No: 2024723-B015
Ballast type: AC

Test No: 2024723-C015	Voltage(V): 34.850
LampCAT: BRIDGELUX V10B LES10	Current(A): 0.360
Lamp flux(lm): 1647.0	Power (W): 12.546
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 1550.40, Efficiency(%): 94.13% , Luminous Efficacy(lm/W): 123.58
Central intensity(cd): 3005.628, Maximum intensity(cd): 3005.628
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=41.6
[C90/270]Total=41.6
Field angle(10%Imax): [C0/180]Total=65.8
[C90/270]Total=65.8
Maximum s/h(1/2): C0_180=0.69 C90_270=0.69
Maximum s/h(1/4): C0_180=0.66 C90_270=0.66
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 94.13%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 97.951%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	3005.628	0.000	0	0.00%	0.00%
1.0	2992.753	2.870	2.87	0.17%	0.19%
2.0	2966.857	8.554	11.424	0.52%	0.74%
3.0	2943.667	14.136	25.56	0.86%	1.65%
4.0	2924.282	19.642	45.202	1.19%	2.92%
5.0	2891.875	25.021	70.223	1.52%	4.53%
6.0	2850.689	30.179	100.401	1.83%	6.48%
7.0	2805.993	35.111	135.512	2.13%	8.74%
8.0	2754.932	39.798	175.311	2.42%	11.31%
9.0	2704.603	44.247	219.557	2.69%	14.16%
10.0	2641.252	48.378	267.935	2.94%	17.28%
11.0	2579.291	52.164	320.099	3.17%	20.65%
12.0	2497.872	55.501	375.6	3.37%	24.23%
13.0	2418.574	58.346	433.946	3.54%	27.99%
14.0	2327.645	60.751	494.697	3.69%	31.91%
15.0	2229.034	62.556	557.253	3.80%	35.94%
16.0	2126.108	63.815	621.068	3.87%	40.06%
17.0	2008.112	64.381	685.449	3.91%	44.21%
18.0	1890.628	64.282	749.731	3.90%	48.36%
19.0	1765.024	63.601	813.332	3.86%	52.46%
20.0	1641.468	62.348	875.68	3.79%	56.48%
21.0	1476.106	59.864	935.544	3.63%	60.34%
22.0	1340.553	56.602	992.146	3.44%	63.99%
23.0	1245.776	54.268	1046.414	3.29%	67.49%
24.0	1142.469	52.216	1098.629	3.17%	70.86%
25.0	1034.919	49.509	1148.138	3.01%	74.05%
26.0	918.745	46.116	1194.255	2.80%	77.03%
27.0	810.529	42.307	1236.562	2.57%	79.76%
28.0	706.089	38.398	1274.96	2.33%	82.23%
29.0	607.551	34.369	1309.328	2.09%	84.45%
30.0	518.027	30.390	1339.718	1.85%	86.41%
31.0	431.099	26.413	1366.131	1.60%	88.11%
32.0	361.391	22.704	1388.835	1.38%	89.58%
33.0	296.204	19.373	1408.208	1.18%	90.83%
34.0	251.976	16.590	1424.798	1.01%	91.90%
35.0	200.147	14.041	1438.839	0.85%	92.80%
36.0	161.654	11.520	1450.359	0.70%	93.55%
37.0	113.936	8.988	1459.347	0.55%	94.13%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	90.125	6.811	1466.158	0.41%	94.57%
39.0	70.951	5.498	1471.656	0.33%	94.92%
40.0	58.471	4.514	1476.17	0.27%	95.21%
41.0	48.654	3.815	1479.985	0.23%	95.46%
42.0	42.304	3.305	1483.289	0.20%	95.67%
43.0	37.111	2.942	1486.231	0.18%	95.86%
44.0	33.665	2.671	1488.902	0.16%	96.03%
45.0	30.878	2.480	1491.383	0.15%	96.19%
46.0	28.647	2.328	1493.711	0.14%	96.34%
47.0	26.679	2.200	1495.911	0.13%	96.49%
48.0	25.092	2.093	1498.004	0.13%	96.62%
49.0	23.789	2.007	1500.011	0.12%	96.75%
50.0	22.575	1.933	1501.944	0.12%	96.87%
51.0	21.580	1.868	1503.813	0.11%	97.00%
52.0	20.644	1.812	1505.624	0.11%	97.11%
53.0	19.898	1.764	1507.388	0.11%	97.23%
54.0	19.203	1.723	1509.111	0.10%	97.34%
55.0	18.500	1.683	1510.794	0.10%	97.45%
56.0	17.849	1.643	1512.437	0.10%	97.55%
57.0	17.250	1.605	1514.042	0.10%	97.66%
58.0	16.679	1.569	1515.611	0.10%	97.76%
59.0	16.094	1.532	1517.143	0.09%	97.86%
60.0	15.523	1.494	1518.637	0.09%	97.95%
61.0	15.011	1.457	1520.094	0.09%	98.05%
62.0	14.426	1.418	1521.512	0.09%	98.14%
63.0	13.921	1.379	1522.891	0.08%	98.23%
64.0	13.365	1.339	1524.23	0.08%	98.31%
65.0	12.890	1.299	1525.529	0.08%	98.40%
66.0	12.399	1.262	1526.791	0.08%	98.48%
67.0	11.931	1.223	1528.014	0.07%	98.56%
68.0	11.573	1.191	1529.205	0.07%	98.63%
69.0	11.251	1.164	1530.369	0.07%	98.71%
70.0	10.995	1.143	1531.512	0.07%	98.78%
71.0	10.768	1.125	1532.637	0.07%	98.85%
72.0	10.512	1.107	1533.743	0.07%	98.93%
73.0	10.285	1.088	1534.831	0.07%	99.00%
74.0	10.059	1.070	1535.9	0.06%	99.06%
75.0	9.839	1.051	1536.951	0.06%	99.13%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	9.612	1.033	1537.984	0.06%	99.20%
77.0	9.407	1.014	1538.998	0.06%	99.26%
78.0	9.195	0.996	1539.994	0.06%	99.33%
79.0	8.991	0.977	1540.971	0.06%	99.39%
80.0	8.749	0.956	1541.927	0.06%	99.45%
81.0	8.574	0.937	1542.864	0.06%	99.51%
82.0	8.376	0.919	1543.783	0.06%	99.57%
83.0	8.149	0.898	1544.682	0.05%	99.63%
84.0	7.966	0.878	1545.56	0.05%	99.69%
85.0	7.762	0.858	1546.418	0.05%	99.74%
86.0	7.506	0.835	1547.252	0.05%	99.80%
87.0	7.337	0.812	1548.065	0.05%	99.85%
88.0	7.154	0.794	1548.859	0.05%	99.90%
89.0	6.993	0.775	1549.634	0.05%	99.95%
90.0	6.920	0.763	1550.397	0.05%	100.00%

Zonal flux distribution table

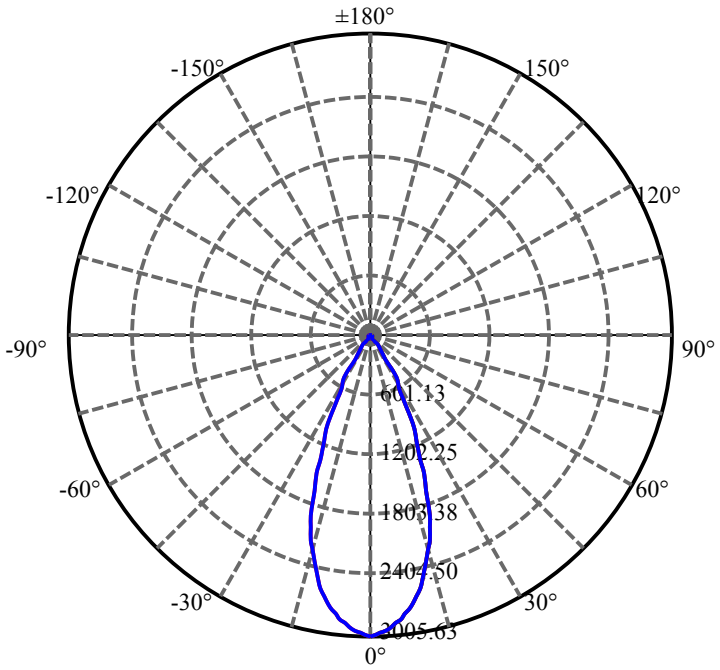
ZONAL LUMEN SUMMARY

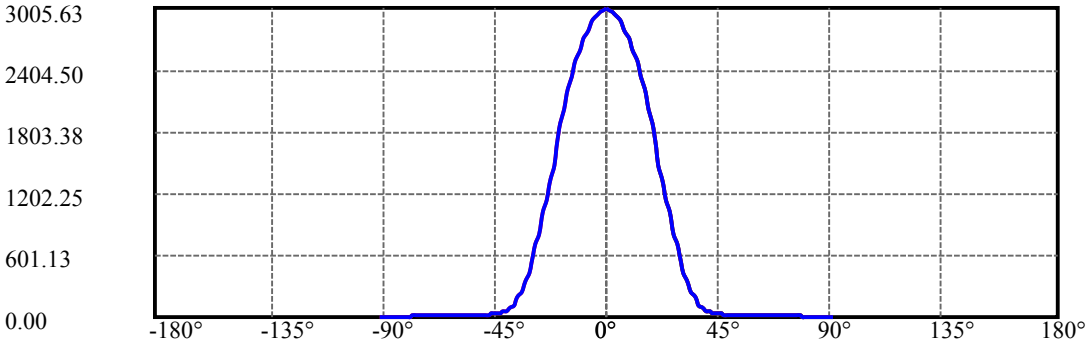
Zone	Lumens	%Lamp	%Fixt
0-30	1339.72	81.34%	86.41%
0-40	1476.17	89.63%	95.21%
0-60	1518.64	92.21%	97.95%
0-90	1549.63	94.09%	99.95%
0-120	1549.63	94.09%	99.95%
0-180	1550.40	94.13%	100.00%
60-90	31.00	1.88%	2.00%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-27.10	1240.32	75.31%	80.00%

ZONAL LUMEN SUMMARY

0-10	267.94
10-20	607.74
20-30	464.04
30-40	136.45
40-50	25.77
50-60	16.69
60-70	12.88
70-80	10.42
80-90	7.71
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:

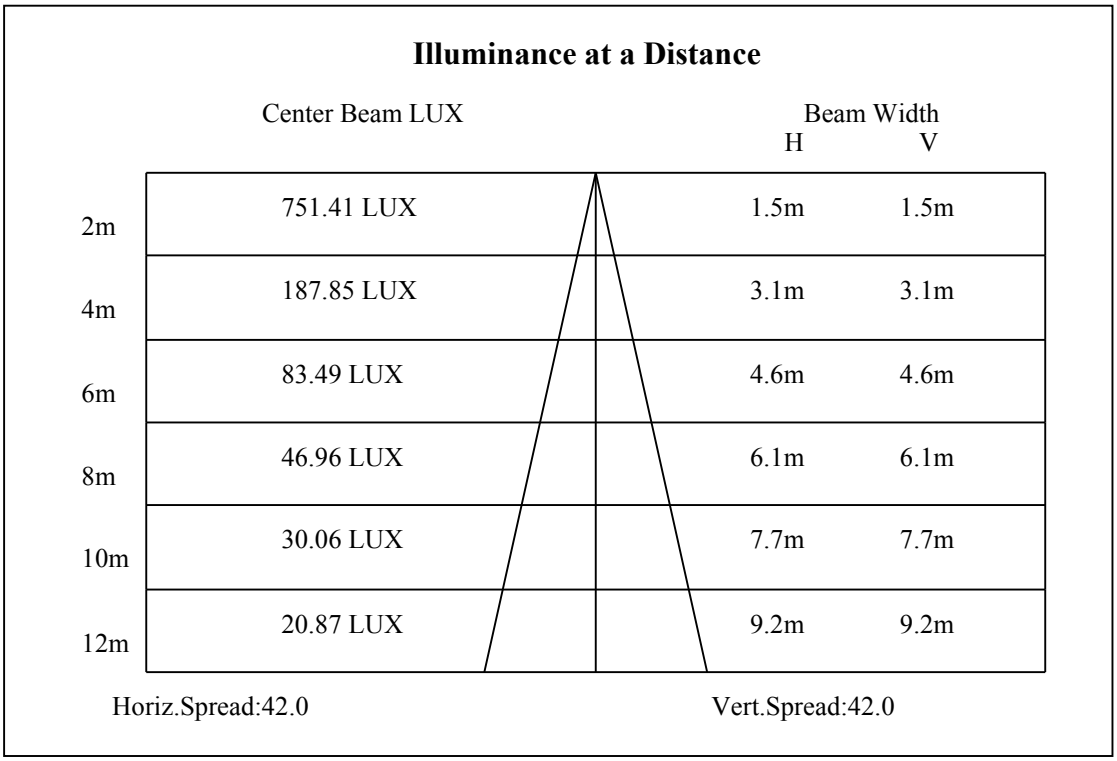
C90/C270:

Field angle(10%Imax):C0/180Left:32.9 Right:32.9
:C90/270Left:32.9 Right:32.9

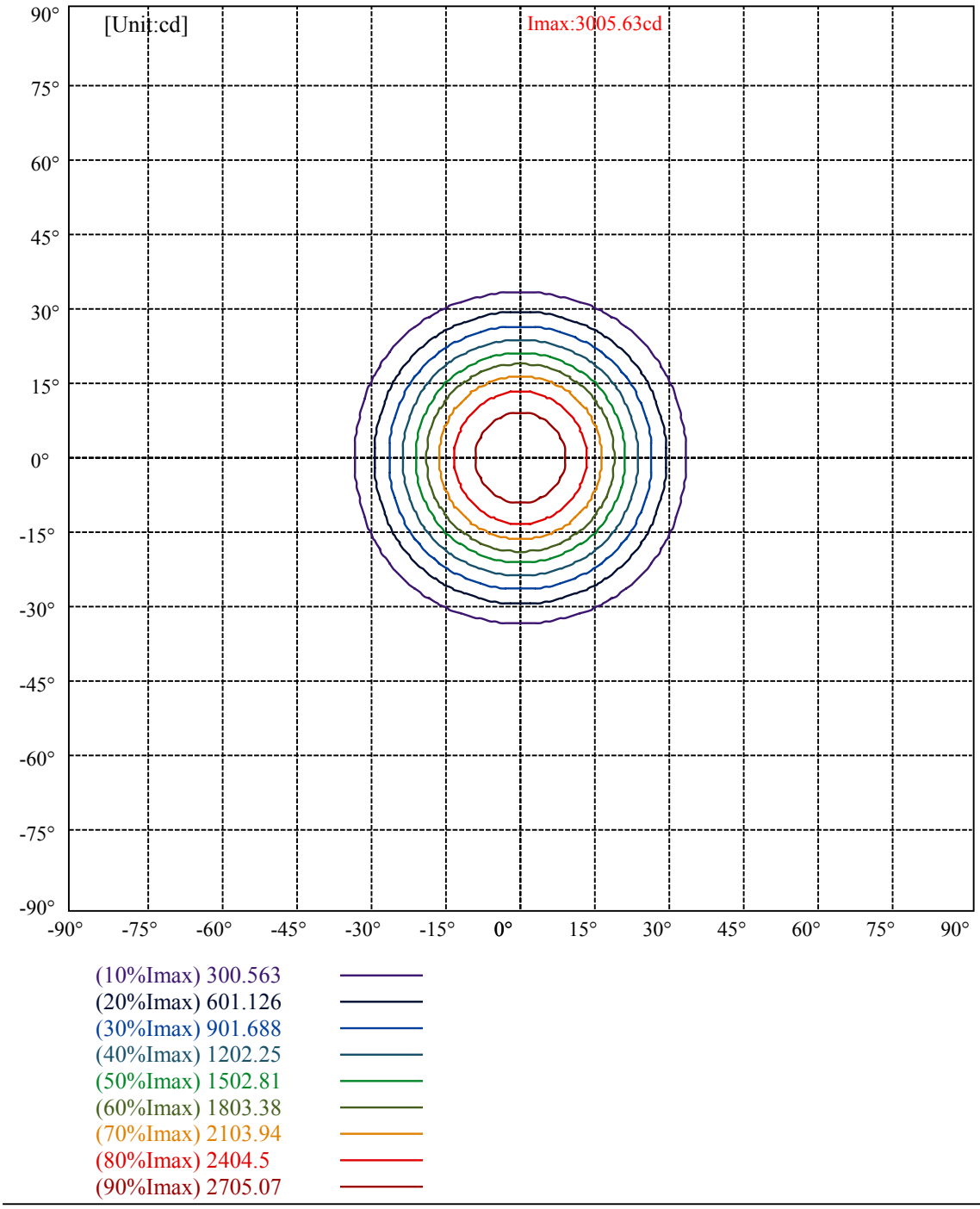
Beam Angle(50%Imax):C0/180Left:20.8 Right:20.8
:C90/270Left:20.8 Right:20.8

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

Lux distance Curve



ISO-Intensity(V-H)

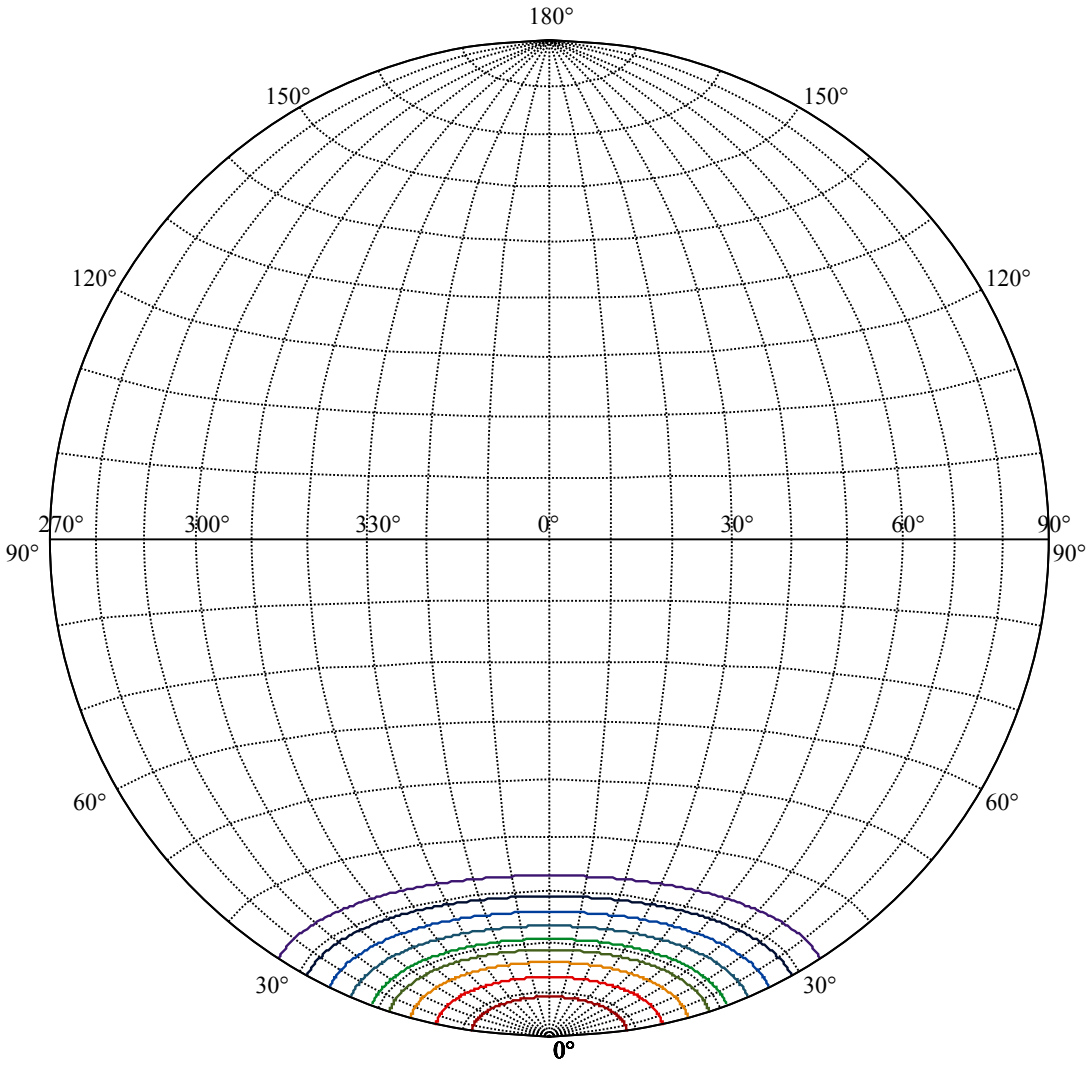


Equipment: GMS1980
Temperature(°C): 25.0

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

Operator: NT07
Distance(m): 7.65

ISO candela diagram on circular web



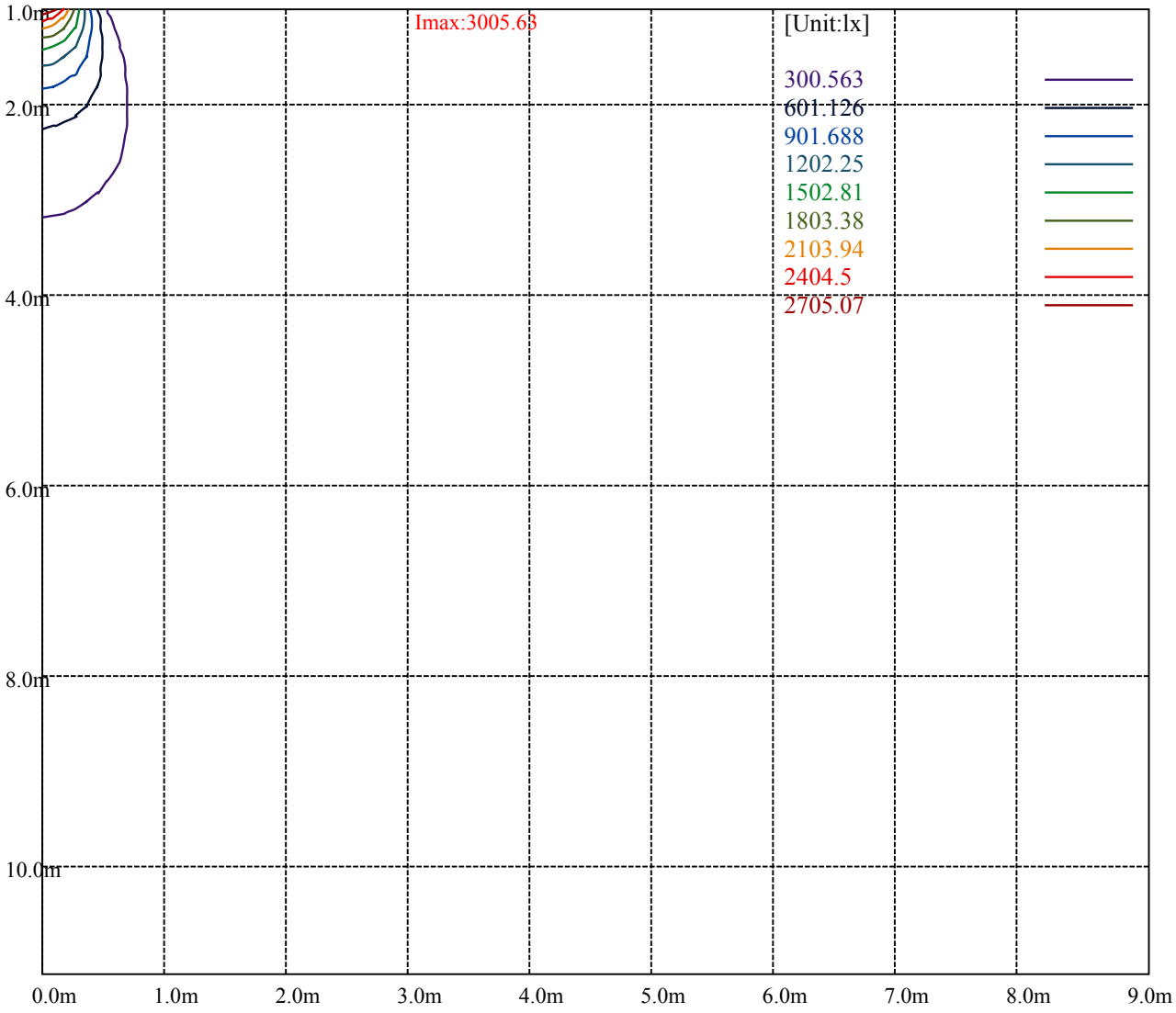
House [Unit:cd] Road

Imax:3005.63

(10%Imax) 300.563
(20%Imax) 601.126
(30%Imax) 901.688
(40%Imax) 1202.25
(50%Imax) 1502.81
(60%Imax) 1803.38
(70%Imax) 2103.94
(80%Imax) 2404.5
(90%Imax) 2705.07

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

Luminance Limitting Curve(no luminous side)

Luminance Table

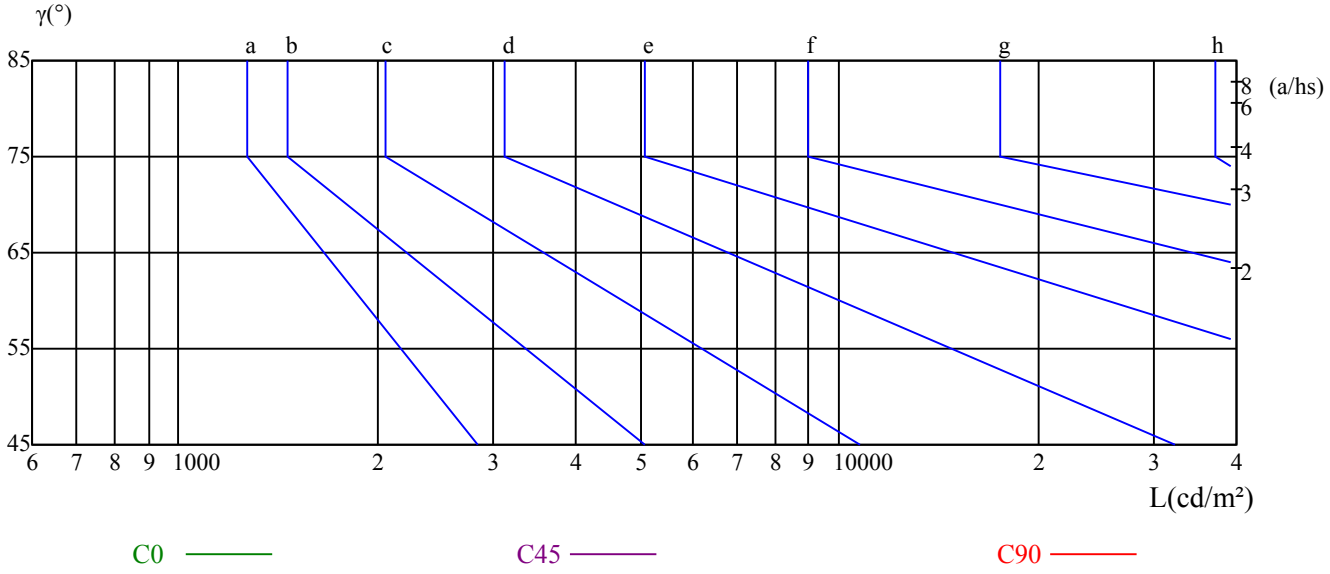
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

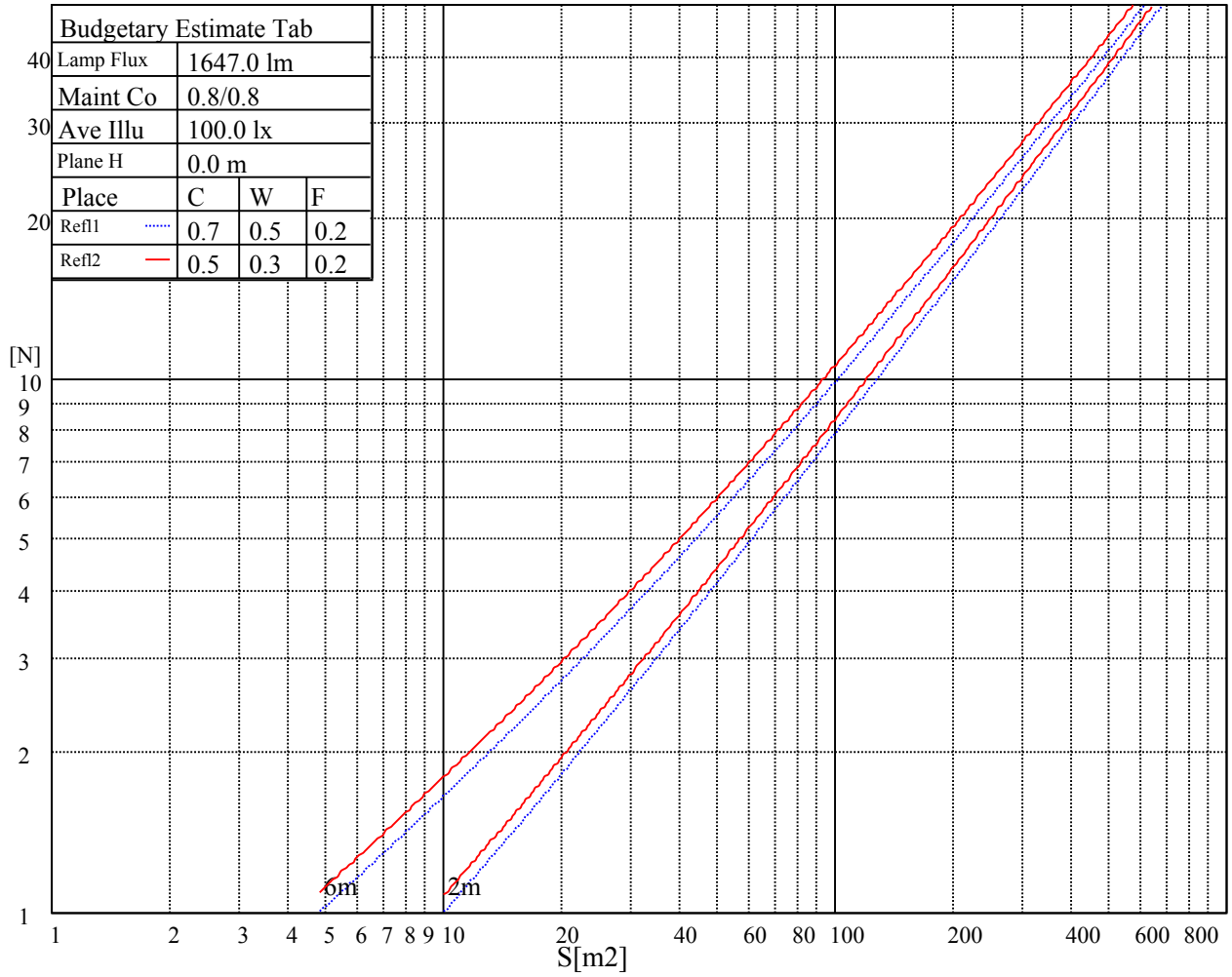
Luminance Limitting Curve



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

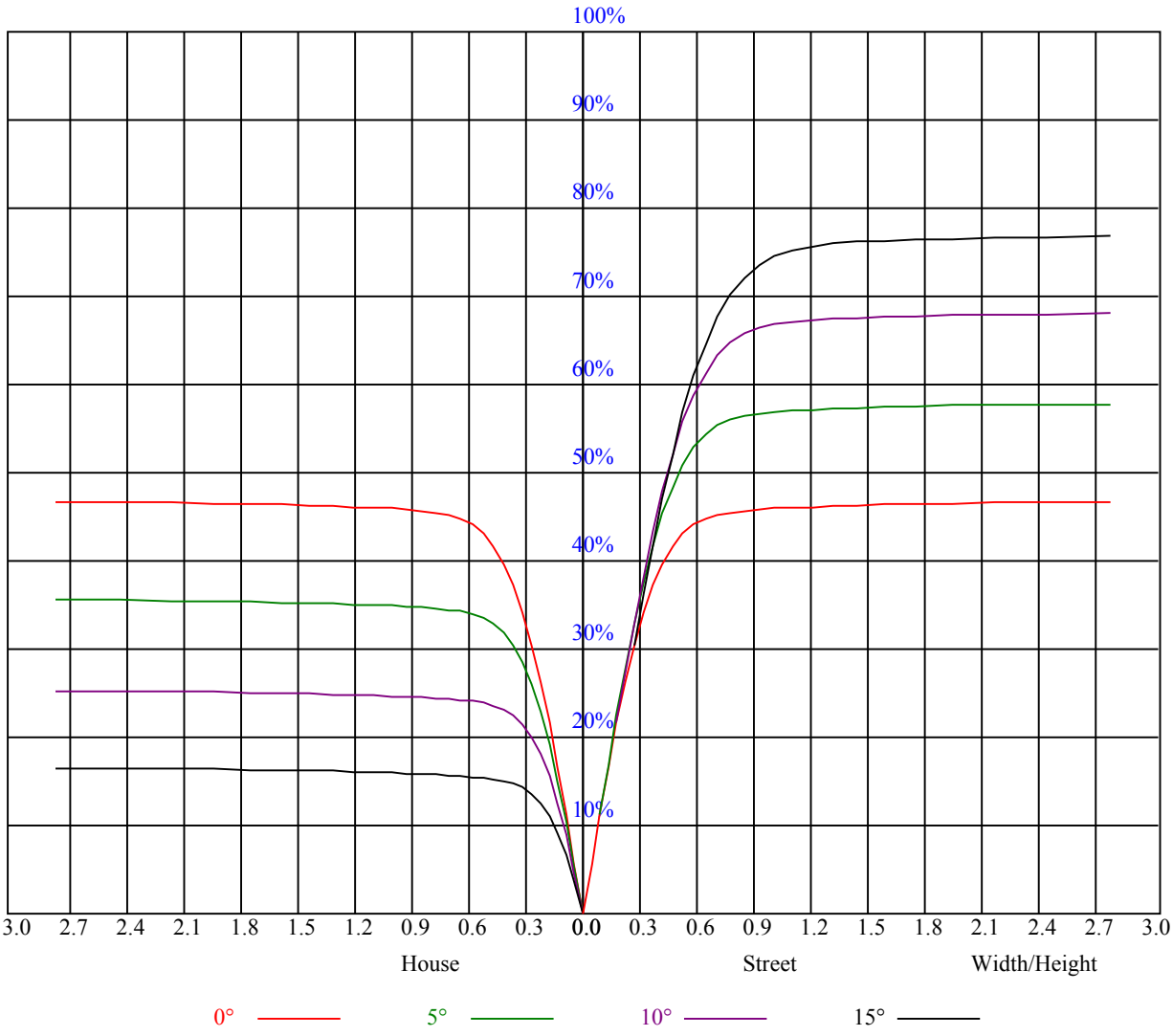


Equipment: GMS1980 Date: 2024/7/23 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

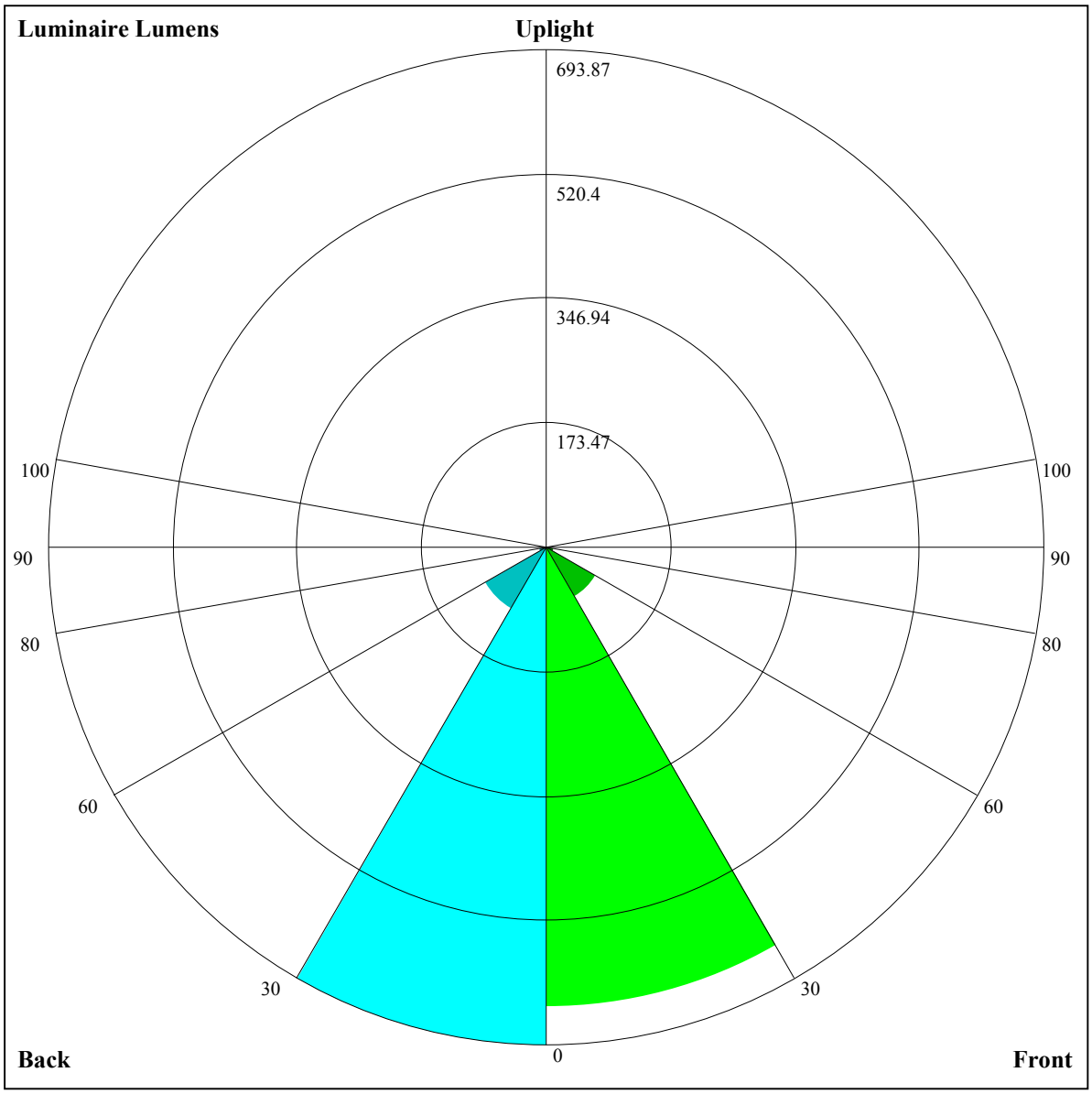
Utilization factor table for indoor luminaire

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	1.12	1.12	1.12	1.09	1.09	1.09	1.05	1.05	1.05	1.00	1.00	1.00	0.96	0.96	0.96	0.94
1	1.05	1.02	1.00	1.03	1.01	0.99	0.99	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.90	0.89
2	0.98	0.95	0.92	0.97	0.94	0.91	0.94	0.91	0.89	0.91	0.89	0.87	0.88	0.87	0.85	0.84
3	0.93	0.88	0.85	0.91	0.88	0.84	0.89	0.86	0.83	0.87	0.84	0.82	0.85	0.82	0.81	0.79
4	0.88	0.83	0.80	0.87	0.82	0.79	0.85	0.81	0.78	0.83	0.80	0.77	0.81	0.79	0.76	0.75
5	0.83	0.78	0.75	0.82	0.78	0.74	0.81	0.77	0.74	0.79	0.76	0.73	0.78	0.75	0.73	0.71
6	0.79	0.74	0.71	0.78	0.74	0.70	0.77	0.73	0.70	0.76	0.72	0.70	0.75	0.72	0.69	0.68
7	0.75	0.71	0.67	0.75	0.70	0.67	0.74	0.70	0.67	0.73	0.69	0.66	0.72	0.68	0.66	0.65
8	0.72	0.67	0.64	0.72	0.67	0.64	0.71	0.66	0.63	0.70	0.66	0.63	0.69	0.65	0.63	0.62
9	0.69	0.64	0.61	0.68	0.64	0.61	0.68	0.63	0.61	0.67	0.63	0.60	0.66	0.63	0.60	0.59
10	0.66	0.61	0.58	0.66	0.61	0.58	0.65	0.61	0.58	0.64	0.60	0.58	0.64	0.60	0.58	0.57

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=641.05,FM=80.34,FH=11.5,FVH=4.17
BL=693.87,BM=98.47,BH=11.73,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	2997.58	2957.20	2924.43	2889.90	2843.67	2791.58	2750.03	2706.14	2642.35
45.0	3020.40	2997.58	2954.27	2908.04	2894.58	2867.08	2820.84	2773.44	2713.16
90.0	3004.60	2953.69	2926.18	2929.69	2912.14	2869.42	2820.84	2771.68	2721.94
135.0	2999.92	3016.89	2996.41	2968.32	2959.54	2951.93	2933.21	2902.19	2846.01
180.0	2997.58	3025.09	3009.87	2980.61	2984.71	2975.93	2956.03	2910.97	2867.66
225.0	3020.40	3011.04	2997.00	2980.02	2961.88	2927.94	2874.10	2835.47	2791.00
270.0	3004.60	3010.46	2990.56	2978.27	2963.05	2929.69	2881.71	2830.21	2791.00
315.0	2999.92	2970.08	2936.13	2914.48	2874.68	2821.43	2768.76	2717.84	2666.34
360.0	2997.58	2957.20	2924.43	2889.90	2843.67	2791.58	2750.03	2706.14	2642.35

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	2579.73	2507.75	2432.84	2339.20	2262.54	2150.76	2041.91	1934.23	1803.72
45.0	2665.17	2613.67	2558.08	2473.80	2395.97	2318.13	2216.31	2133.20	2009.14
90.0	2677.46	2608.41	2549.30	2476.73	2395.97	2298.24	2209.87	2119.16	2020.26
135.0	2810.31	2778.71	2738.33	2674.54	2600.21	2537.59	2462.69	2360.27	2264.29
180.0	2813.24	2783.39	2735.40	2676.88	2601.38	2528.23	2437.52	2348.57	2220.99
225.0	2740.08	2666.93	2597.29	2516.53	2432.84	2320.48	2219.23	2114.48	1974.61
270.0	2741.25	2660.49	2591.43	2497.80	2413.53	2323.40	2225.67	2091.07	1974.61
315.0	2609.58	2510.67	2431.67	2327.50	2246.15	2144.32	2019.08	1907.89	1797.28
360.0	2579.73	2507.75	2432.84	2339.20	2262.54	2150.76	2041.91	1934.23	1803.72

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1701.31	1595.38	1480.09	1149.97	1149.97	1122.11	1008.81	903.59	775.95
45.0	1907.31	1794.36	1670.29	1563.19	1455.51	1348.42	1213.82	1108.47	1001.38
90.0	1885.07	1772.12	1655.07	1508.18	1298.67	1157.05	1132.18	1032.40	931.56
135.0	2165.39	2033.13	1917.84	1800.21	1644.54	1522.81	1368.31	1251.85	1138.32
180.0	2106.28	1958.22	1837.08	1707.16	1534.52	1408.11	1293.99	1175.78	1037.08
225.0	1855.22	1707.75	1584.26	1464.29	1153.54	1153.54	1101.63	1001.44	901.42
270.0	1851.13	1726.47	1576.07	1455.51	1327.35	1199.77	1068.09	959.24	839.27
315.0	1653.32	1532.76	1411.04	1160.33	1160.33	1054.40	952.92	846.59	724.98
360.0	1701.31	1595.38	1480.09	1149.97	1149.97	1122.11	1008.81	903.59	775.95

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	677.40	564.80	480.00	402.05	315.96	257.62	196.34	156.43	123.78
45.0	887.84	780.16	656.10	565.39	460.05	383.38	316.67	302.62	233.91
90.0	801.29	702.62	610.04	501.77	421.24	351.02	289.51	222.74	177.79
135.0	1026.54	888.43	783.67	684.77	594.65	515.06	419.66	350.61	304.96
180.0	939.93	838.10	742.12	628.59	543.73	462.97	374.60	314.91	300.28
225.0	776.48	679.50	592.07	509.61	415.10	345.99	286.58	220.63	175.39
270.0	744.46	652.00	552.51	480.53	406.79	337.15	295.01	295.01	170.24
315.0	630.29	543.09	443.89	371.50	291.27	237.95	191.25	152.86	114.82
360.0	677.40	564.80	480.00	402.05	315.96	257.62	196.34	156.43	123.78

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	98.55	79.36	61.92	52.20	45.30	40.32	35.76	33.07	30.37
45.0	154.67	115.46	92.00	73.74	60.80	50.04	43.89	39.33	35.76
90.0	140.16	110.90	83.63	67.89	56.18	46.12	40.38	35.00	31.95
135.0	304.96	173.64	136.47	101.36	81.76	64.08	54.13	46.58	40.97
180.0	235.14	152.69	119.50	89.13	71.69	58.76	49.33	41.26	36.69
225.0	130.39	103.29	82.52	63.09	51.91	44.13	38.51	33.47	30.55
270.0	137.18	101.01	82.40	66.72	54.89	45.24	39.50	34.70	31.72
315.0	92.17	75.14	62.56	53.49	45.24	40.56	36.93	33.47	31.31
360.0	98.55	79.36	61.92	52.20	45.30	40.32	35.76	33.07	30.37

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	28.56	26.98	25.34	24.23	23.17	22.12	21.36	20.72	20.07
45.0	32.36	30.26	28.32	26.22	24.87	23.58	22.24	21.30	20.42
90.0	29.44	27.27	25.11	23.58	22.41	21.42	20.31	19.37	18.79
135.0	35.99	32.95	30.49	28.38	26.28	24.76	23.53	22.18	21.30
180.0	33.53	30.96	28.38	26.63	25.22	23.76	22.71	21.71	20.72
225.0	28.27	26.28	24.29	22.94	21.89	20.66	19.84	18.96	18.32
270.0	29.38	26.92	25.34	24.05	22.82	21.54	20.72	19.96	19.31
315.0	29.50	27.56	26.16	24.70	23.64	22.77	21.95	20.95	20.25
360.0	28.56	26.98	25.34	24.23	23.17	22.12	21.36	20.72	20.07

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	19.37	18.79	18.14	17.50	16.91	16.15	15.57	15.04	14.40
45.0	19.72	19.08	18.43	17.73	17.26	16.74	16.21	15.63	14.92
90.0	18.14	17.32	16.74	16.27	15.86	15.45	14.92	14.51	14.05
135.0	20.42	19.49	18.79	18.14	17.38	16.80	16.21	15.63	14.98
180.0	19.90	19.02	18.38	17.73	17.09	16.50	15.98	15.51	15.10
225.0	17.73	17.21	16.62	16.15	15.68	15.16	14.63	14.22	13.75
270.0	18.73	18.14	17.56	17.03	16.44	15.92	15.27	14.81	14.16
315.0	19.61	18.96	18.14	17.44	16.80	16.04	15.39	14.75	14.05
360.0	19.37	18.79	18.14	17.50	16.91	16.15	15.57	15.04	14.40

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	13.81	13.28	12.70	12.17	11.70	11.41	11.18	10.94	10.71
45.0	14.46	13.81	13.34	12.87	12.23	11.76	11.41	11.06	10.83
90.0	13.69	13.11	12.70	12.35	11.94	11.53	11.24	11.00	10.77
135.0	14.46	14.05	13.64	13.05	12.64	12.29	11.82	11.53	11.24
180.0	14.63	14.10	13.64	13.17	12.64	12.29	11.88	11.70	11.47
225.0	13.28	12.70	12.23	11.76	11.41	11.12	10.83	10.59	10.42
270.0	13.64	13.17	12.70	12.17	11.70	11.29	11.00	10.71	10.48
315.0	13.40	12.70	12.17	11.65	11.18	10.89	10.65	10.42	10.24
360.0	13.81	13.28	12.70	12.17	11.70	11.41	11.18	10.94	10.71

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	10.48	10.24	10.01	9.77	9.60	9.42	9.13	8.95	8.66
45.0	10.59	10.42	10.12	9.95	9.71	9.54	9.25	9.07	8.84
90.0	10.53	10.30	10.07	9.83	9.60	9.36	9.19	9.01	8.72
135.0	10.94	10.71	10.48	10.24	10.01	9.77	9.60	9.36	9.19
180.0	11.12	10.94	10.71	10.48	10.24	10.01	9.83	9.66	9.36
225.0	10.18	9.89	9.71	9.48	9.31	9.07	8.90	8.66	8.43
270.0	10.24	10.01	9.83	9.60	9.31	9.13	8.95	8.66	8.49
315.0	10.01	9.77	9.54	9.36	9.13	8.95	8.72	8.54	8.31
360.0	10.48	10.24	10.01	9.77	9.60	9.42	9.13	8.95	8.66

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	8.54	8.37	8.08	7.90	7.72	7.43	7.26	7.08	6.85
45.0	8.60	8.49	8.19	7.96	7.78	7.61	7.32	7.14	7.02
90.0	8.54	8.31	8.13	7.90	7.72	7.37	7.26	7.08	6.96
135.0	8.95	8.72	8.49	8.31	8.08	7.84	7.61	7.43	7.26
180.0	9.19	8.95	8.78	8.60	8.37	8.08	7.96	7.67	7.43
225.0	8.25	8.08	7.84	7.67	7.43	7.26	7.14	7.02	6.79
270.0	8.31	8.08	7.84	7.72	7.55	7.26	7.14	6.96	6.79
315.0	8.19	8.02	7.84	7.67	7.43	7.20	7.02	6.85	6.85
360.0	8.54	8.37	8.08	7.90	7.72	7.43	7.26	7.08	6.85

Intensity data(cd)

C/γ(°)	90.0
0.0	6.85
45.0	6.85
90.0	6.85
135.0	7.08
180.0	7.32
225.0	6.79
270.0	6.79
315.0	6.85
360.0	6.85