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NT

Client:
LumCAT: 1-1207-L
Luminaire: 92.70.427.00
Report No: 2024723-B013
Ballast type: AC

Test No: 2024723-C013	Voltage(V): 34.810
LampCAT: BRIDGELUX V10B LES10	Current(A): 0.360
Lamp flux(lm): 1647.0	Power (W): 12.538
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 1508.23, Efficiency(%): 91.57% , Luminous Efficacy(lm/W): 120.29
Central intensity(cd): 5054.793, Maximum intensity(cd): 5054.793
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=27.0
[C90/270]Total=27.0
Field angle(10%Imax): [C0/180]Total=57.4
[C90/270]Total=57.4
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(%): 91.57%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 98.023%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	5054.793	0.000	0	0.00%	0.00%
1.0	5035.773	4.828	4.828	0.29%	0.32%
2.0	4989.687	14.389	19.218	0.87%	1.27%
3.0	4902.342	23.658	42.876	1.44%	2.84%
4.0	4793.710	32.456	75.332	1.97%	4.99%
5.0	4655.889	40.652	115.984	2.47%	7.69%
6.0	4479.005	48.006	163.99	2.91%	10.87%
7.0	4271.762	54.316	218.306	3.30%	14.47%
8.0	4049.011	59.550	277.856	3.62%	18.42%
9.0	3811.848	63.708	341.564	3.87%	22.65%
10.0	3549.302	66.616	408.18	4.04%	27.06%
11.0	3265.029	68.089	476.269	4.13%	31.58%
12.0	2967.734	68.133	544.402	4.14%	36.10%
13.0	2684.559	67.078	611.48	4.07%	40.54%
14.0	2392.093	64.981	676.461	3.95%	44.85%
15.0	2109.136	61.795	738.256	3.75%	48.95%
16.0	1820.803	57.585	795.841	3.50%	52.77%
17.0	1585.433	53.044	848.885	3.22%	56.28%
18.0	1404.518	49.298	898.183	2.99%	59.55%
19.0	1237.136	45.959	944.142	2.79%	62.60%
20.0	1118.299	43.111	987.253	2.62%	65.46%
21.0	1017.918	41.020	1028.273	2.49%	68.18%
22.0	929.089	39.126	1067.399	2.38%	70.77%
23.0	854.363	37.422	1104.82	2.27%	73.25%
24.0	787.574	35.899	1140.719	2.18%	75.63%
25.0	728.510	34.472	1175.191	2.09%	77.92%
26.0	670.141	33.015	1208.207	2.00%	80.11%
27.0	611.743	31.362	1239.568	1.90%	82.19%
28.0	548.224	29.368	1268.936	1.78%	84.13%
29.0	486.220	27.064	1296	1.64%	85.93%
30.0	423.652	24.566	1320.566	1.49%	87.56%
31.0	358.699	21.772	1342.338	1.32%	89.00%
32.0	306.080	19.045	1361.383	1.16%	90.26%
33.0	257.404	16.600	1377.984	1.01%	91.36%
34.0	217.404	14.369	1392.353	0.87%	92.32%
35.0	179.020	12.311	1404.664	0.75%	93.13%
36.0	127.989	9.775	1414.439	0.59%	93.78%
37.0	100.783	7.461	1421.901	0.45%	94.28%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	82.114	6.105	1428.006	0.37%	94.68%
39.0	66.855	5.085	1433.09	0.31%	95.02%
40.0	56.138	4.290	1437.38	0.26%	95.30%
41.0	48.325	3.720	1441.1	0.23%	95.55%
42.0	42.699	3.307	1444.407	0.20%	95.77%
43.0	38.062	2.992	1447.398	0.18%	95.97%
44.0	34.389	2.734	1450.133	0.17%	96.15%
45.0	31.288	2.524	1452.657	0.15%	96.32%
46.0	28.932	2.355	1455.012	0.14%	96.47%
47.0	26.716	2.213	1457.225	0.13%	96.62%
48.0	24.711	2.079	1459.304	0.13%	96.76%
49.0	23.043	1.961	1461.265	0.12%	96.89%
50.0	21.573	1.860	1463.125	0.11%	97.01%
51.0	20.307	1.772	1464.897	0.11%	97.13%
52.0	19.217	1.696	1466.593	0.10%	97.24%
53.0	18.318	1.633	1468.226	0.10%	97.35%
54.0	17.513	1.579	1469.805	0.10%	97.45%
55.0	16.847	1.534	1471.339	0.09%	97.55%
56.0	16.160	1.491	1472.831	0.09%	97.65%
57.0	15.560	1.450	1474.281	0.09%	97.75%
58.0	14.982	1.412	1475.693	0.09%	97.84%
59.0	14.477	1.377	1477.07	0.08%	97.93%
60.0	13.980	1.344	1478.415	0.08%	98.02%
61.0	13.497	1.311	1479.726	0.08%	98.11%
62.0	13.065	1.280	1481.006	0.08%	98.20%
63.0	12.677	1.252	1482.258	0.08%	98.28%
64.0	12.275	1.224	1483.482	0.07%	98.36%
65.0	11.917	1.197	1484.68	0.07%	98.44%
66.0	11.558	1.171	1485.851	0.07%	98.52%
67.0	11.200	1.144	1486.995	0.07%	98.59%
68.0	10.907	1.120	1488.115	0.07%	98.67%
69.0	10.622	1.098	1489.213	0.07%	98.74%
70.0	10.373	1.078	1490.292	0.07%	98.81%
71.0	10.176	1.062	1491.354	0.06%	98.88%
72.0	9.956	1.047	1492.4	0.06%	98.95%
73.0	9.722	1.029	1493.429	0.06%	99.02%
74.0	9.503	1.011	1494.44	0.06%	99.09%
75.0	9.269	0.992	1495.432	0.06%	99.15%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	9.049	0.972	1496.404	0.06%	99.22%
77.0	8.859	0.955	1497.359	0.06%	99.28%
78.0	8.654	0.937	1498.297	0.06%	99.34%
79.0	8.471	0.920	1499.217	0.06%	99.40%
80.0	8.296	0.904	1500.121	0.05%	99.46%
81.0	8.135	0.889	1501.009	0.05%	99.52%
82.0	7.966	0.873	1501.882	0.05%	99.58%
83.0	7.805	0.857	1502.74	0.05%	99.64%
84.0	7.623	0.840	1503.58	0.05%	99.69%
85.0	7.440	0.822	1504.402	0.05%	99.75%
86.0	7.242	0.803	1505.205	0.05%	99.80%
87.0	7.052	0.782	1505.987	0.05%	99.85%
88.0	6.854	0.762	1506.749	0.05%	99.90%
89.0	6.737	0.745	1507.494	0.05%	99.95%
90.0	6.657	0.734	1508.228	0.04%	100.00%

Zonal flux distribution table

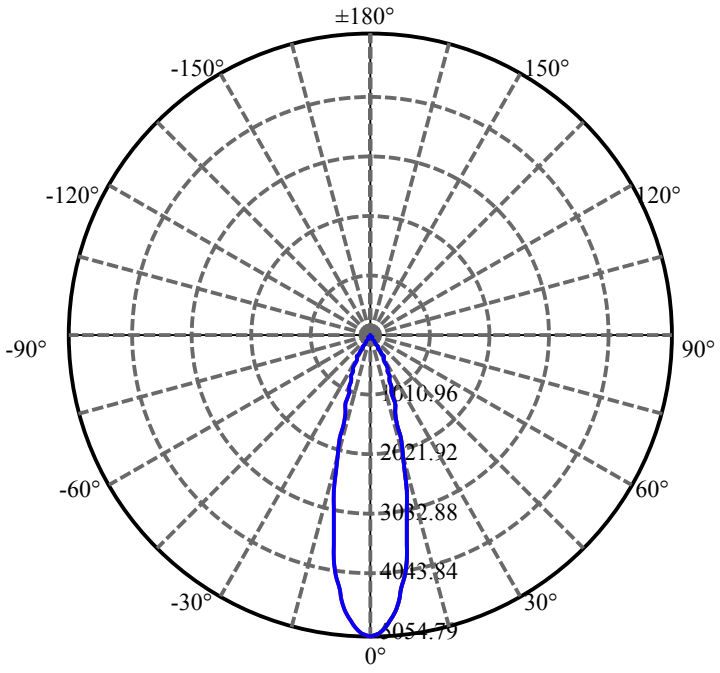
ZONAL LUMEN SUMMARY

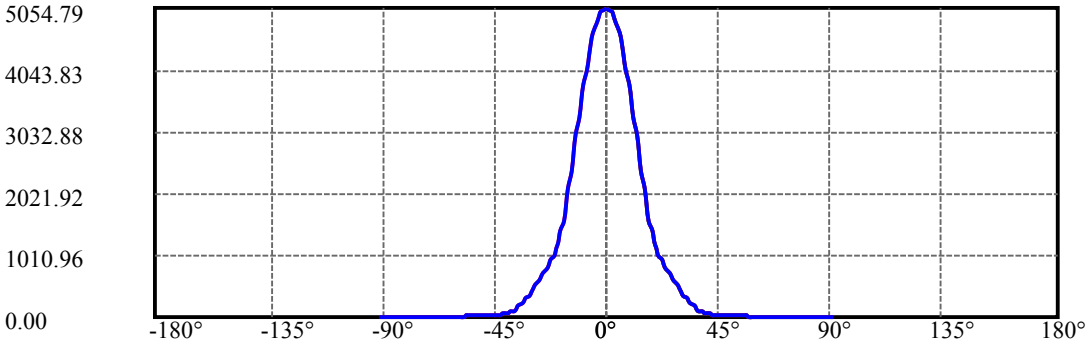
Zone	Lumens	%Lamp	%Fixt
0-30	1320.57	80.18%	87.56%
0-40	1437.38	87.27%	95.30%
0-60	1478.41	89.76%	98.02%
0-90	1507.49	91.53%	99.95%
0-120	1507.49	91.53%	99.95%
0-180	1508.23	91.57%	100.00%
60-90	29.08	1.77%	1.93%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-25.95	1206.58	73.26%	80.00%

ZONAL LUMEN SUMMARY

0-10	408.18
10-20	579.07
20-30	333.31
30-40	116.81
40-50	25.75
50-60	15.29
60-70	11.88
70-80	9.83
80-90	7.37
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):

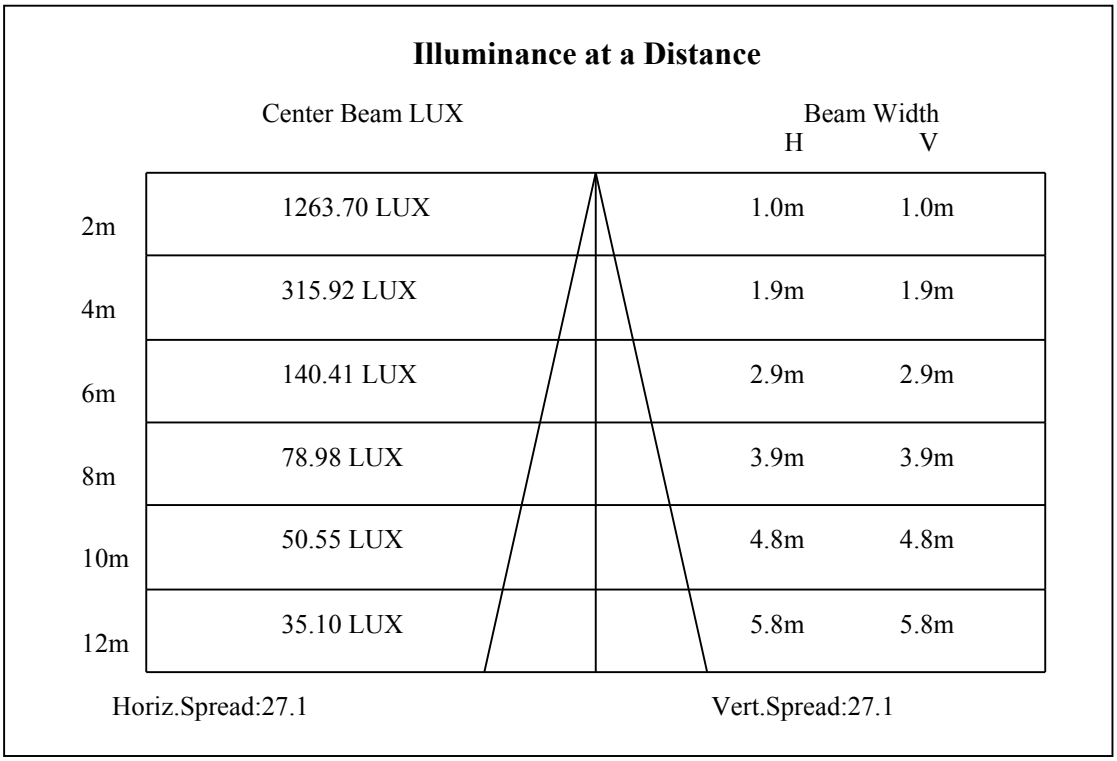
C0/C180:

C90/C270:

Field angle(10%Imax):C0/180Left:28.7 Right:28.7
:C90/270Left:28.7 Right:28.7

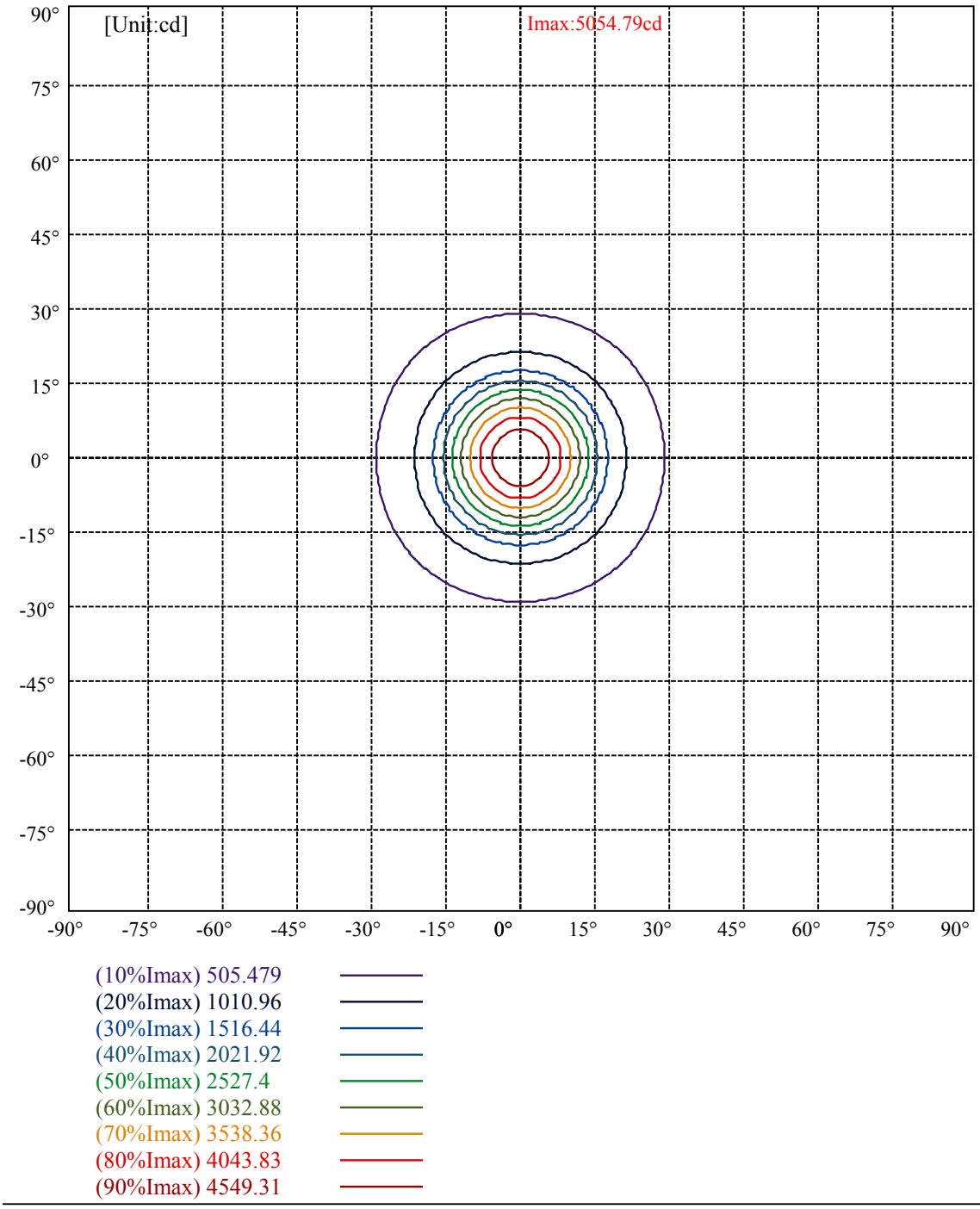
Beam Angle(50%Imax):C0/180Left:13.5 Right:13.5
:C90/270Left:13.5 Right:13.5

Lux distance Curve



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

ISO-Intensity(V-H)

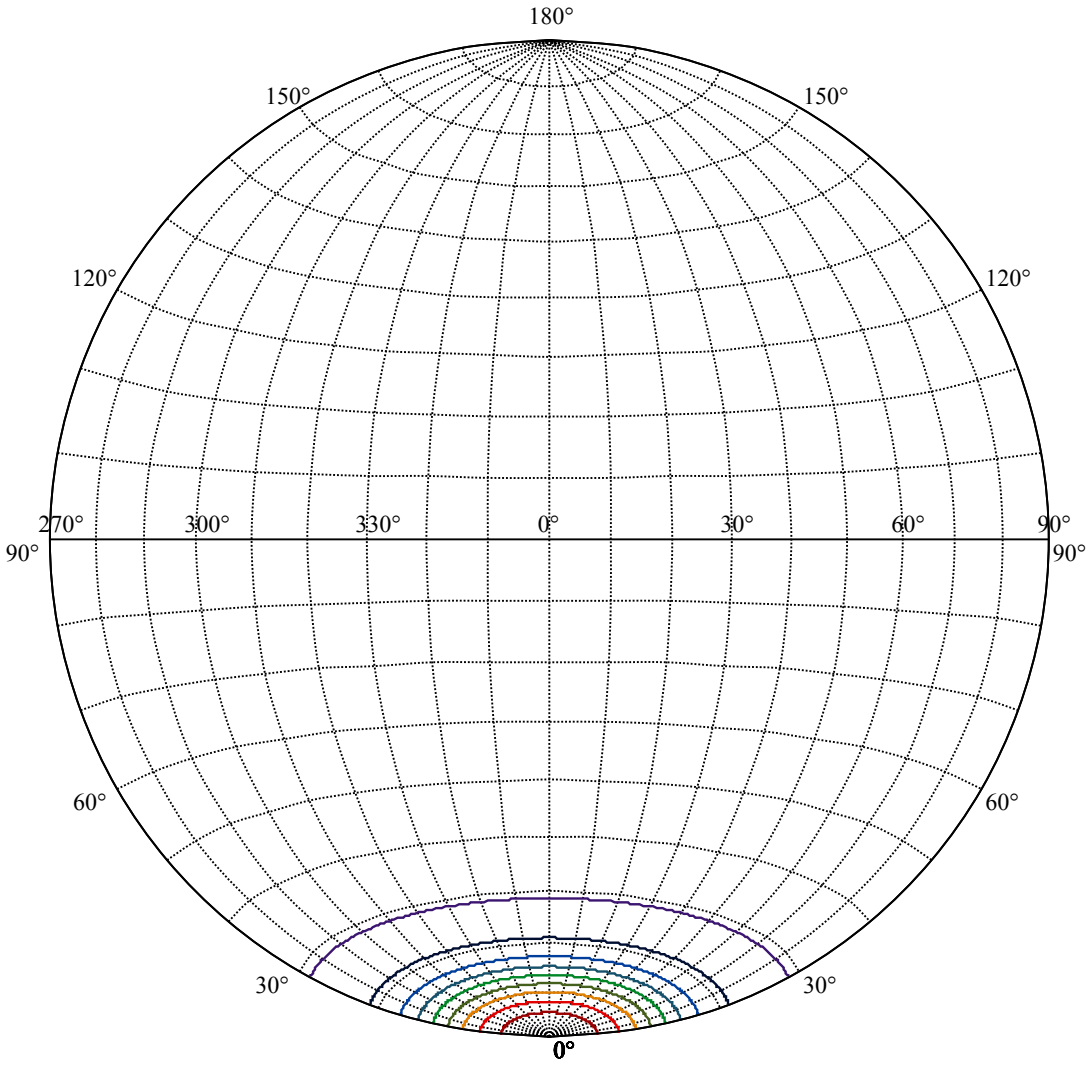


Equipment: GMS1980
Temperature(°C): 25.0

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

Operator: NT07
Distance(m): 7.65

ISO candela diagram on circular web



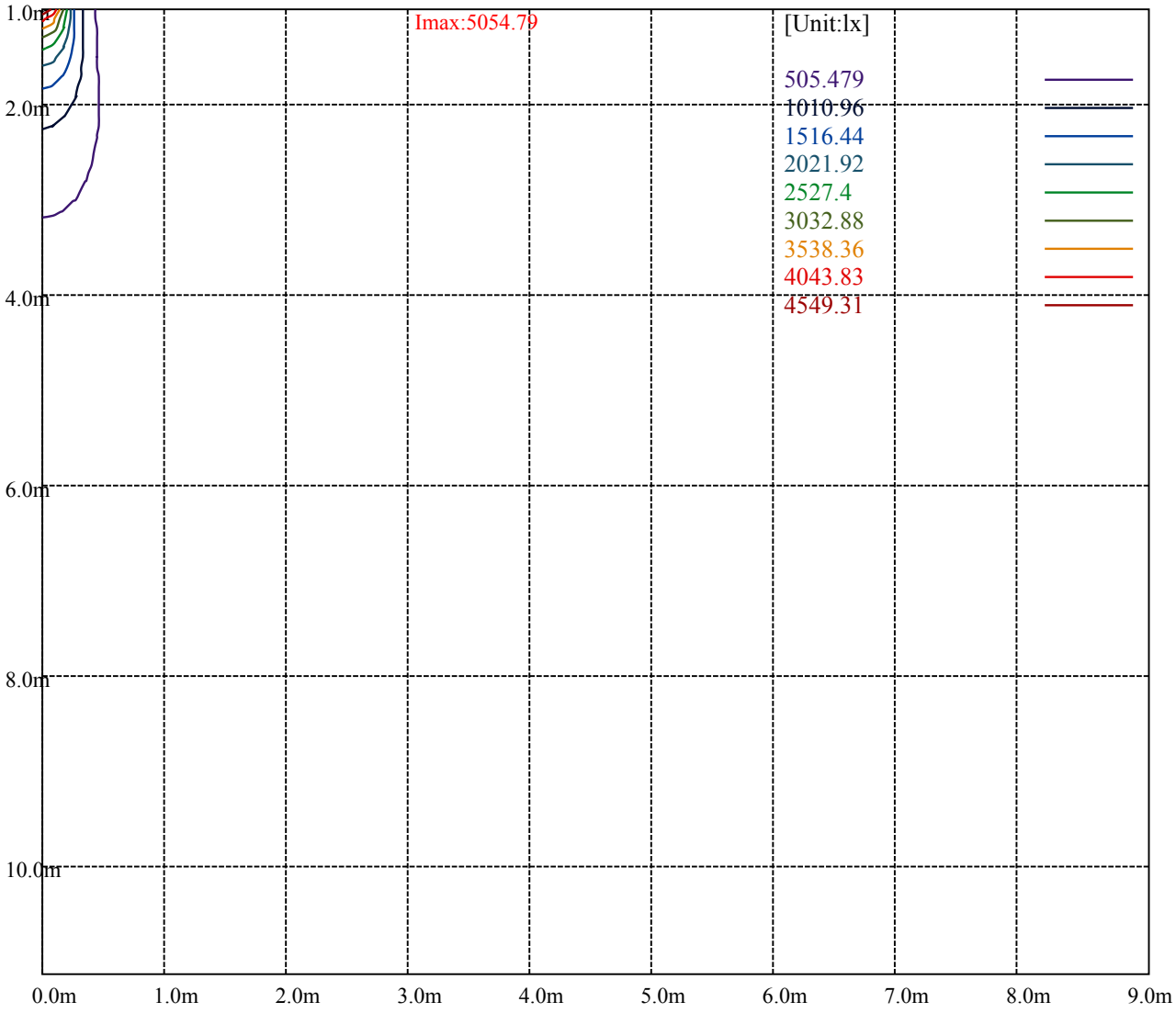
House [Unit:cd] Road

Imax:5054.79

(10%Imax) 505.479
(20%Imax) 1010.96
(30%Imax) 1516.44
(40%Imax) 2021.92
(50%Imax) 2527.4
(60%Imax) 3032.88
(70%Imax) 3538.36
(80%Imax) 4043.83
(90%Imax) 4549.31

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

NT 1-1207-L

Luminance Limitting Curve(no luminous side)

Luminance Table

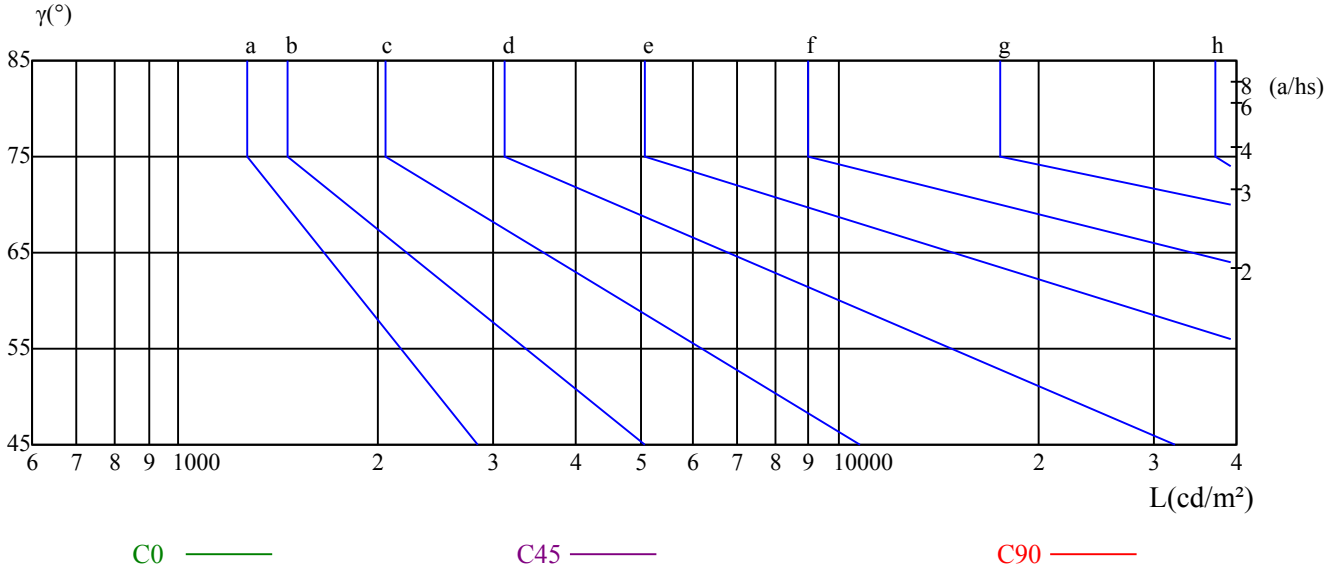
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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



Equipment: GMS1980
Temperature(°C): 25.0

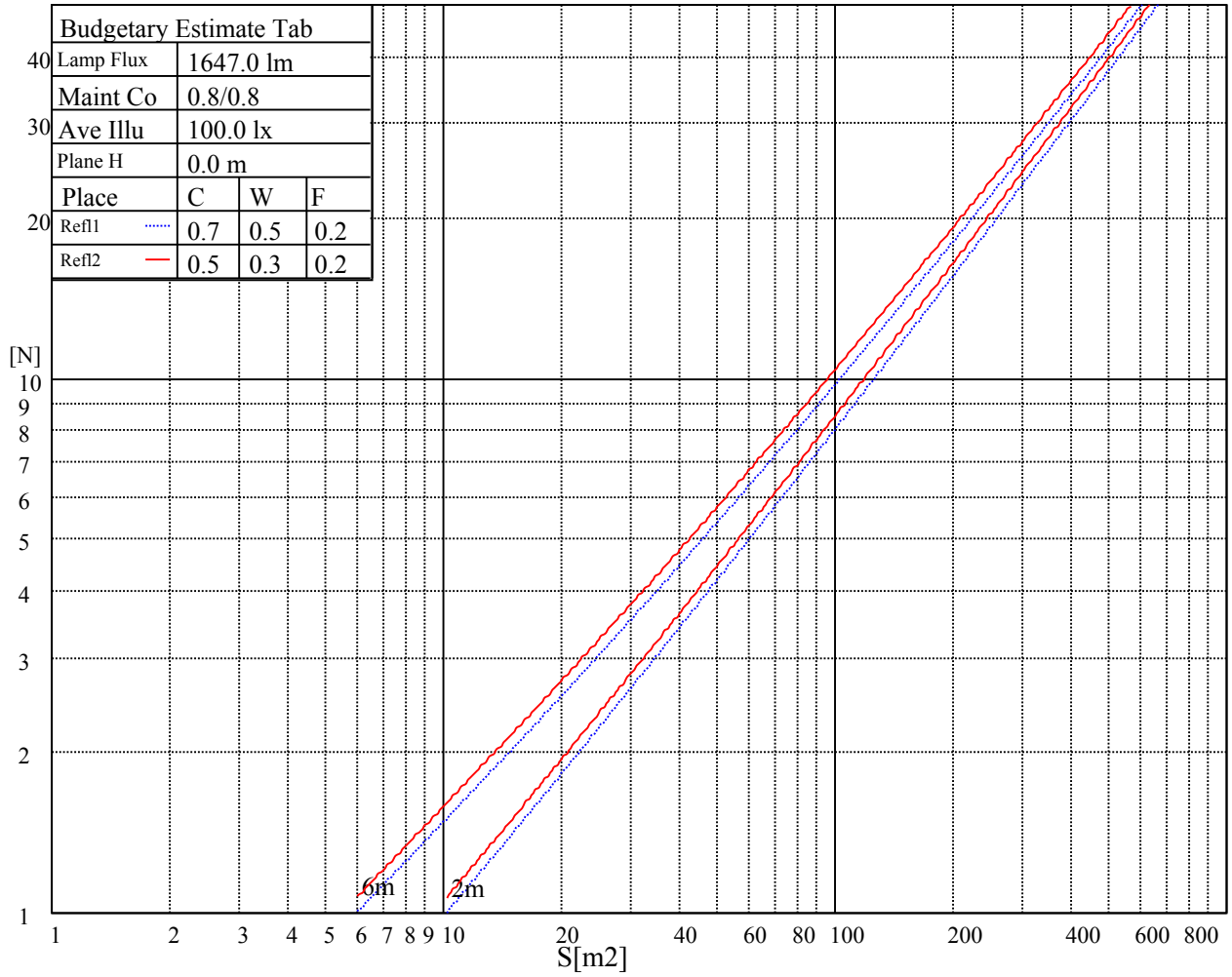
Date: 2024/7/23
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

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

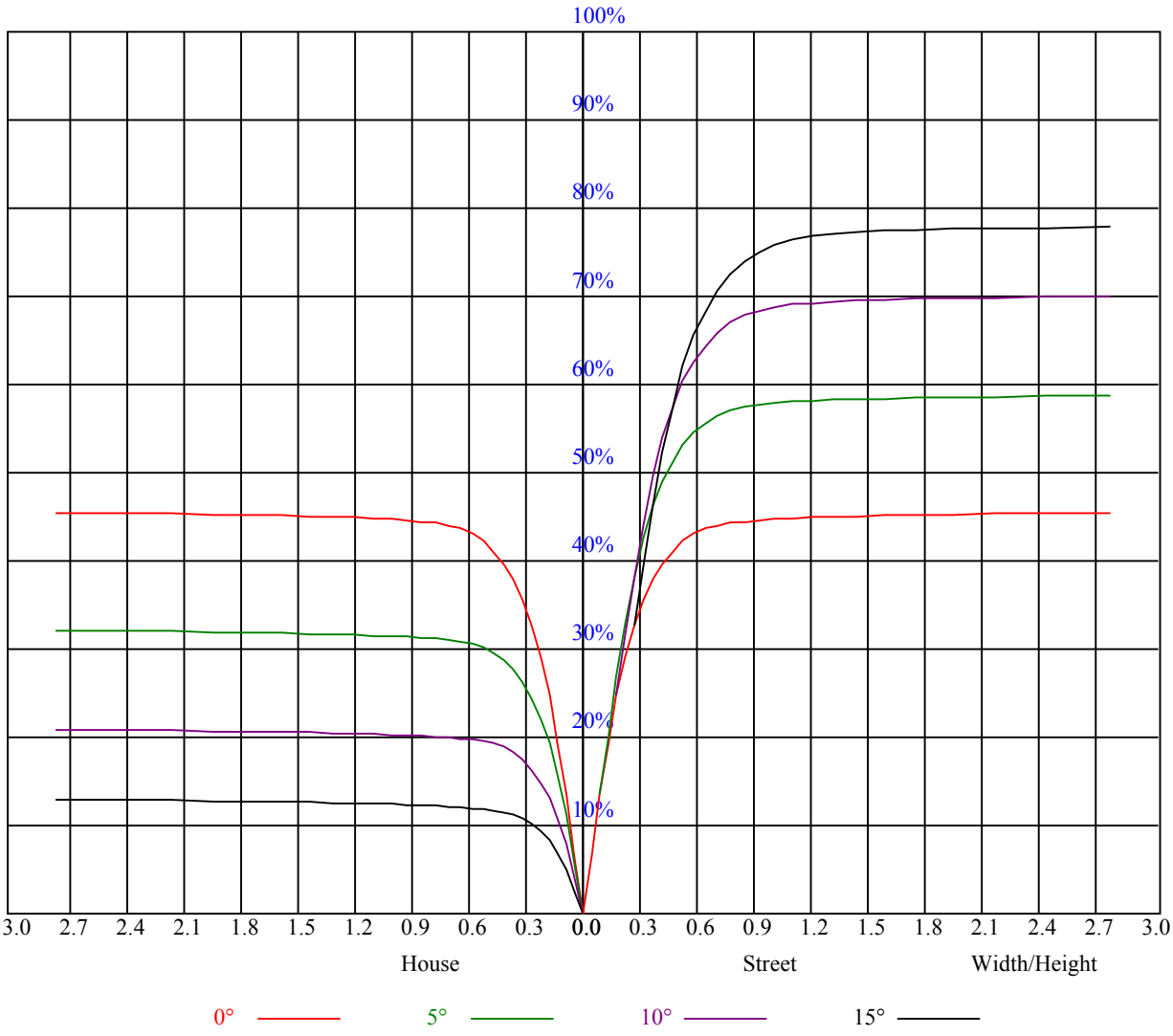


Equipment: GMS1980 Date: 2024/7/23 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

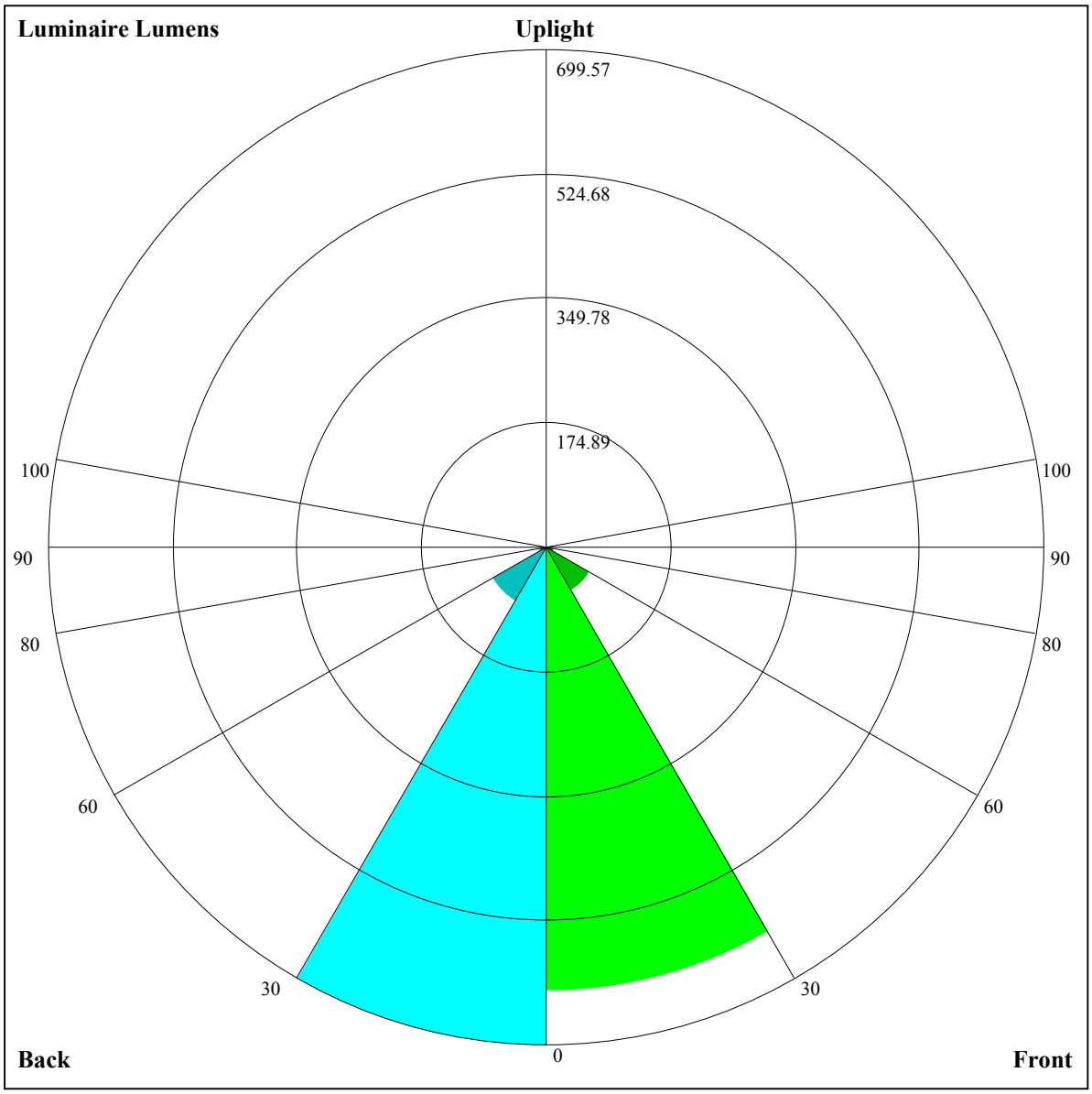
Utilization factor table for indoor luminaire

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	1.09	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	0.92
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	0.97	0.93	0.91	0.95	0.92	0.90	0.92	0.90	0.88	0.89	0.88	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	0.77	0.81	0.79	0.77	0.75
5	0.83	0.79	0.76	0.82	0.78	0.75	0.81	0.77	0.75	0.79	0.76	0.74	0.78	0.76	0.73	0.72
6	0.80	0.75	0.72	0.79	0.75	0.72	0.78	0.74	0.71	0.77	0.73	0.71	0.75	0.73	0.70	0.69
7	0.77	0.72	0.69	0.76	0.72	0.69	0.75	0.71	0.68	0.74	0.71	0.68	0.73	0.70	0.68	0.67
8	0.74	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
9	0.71	0.67	0.64	0.71	0.66	0.64	0.70	0.66	0.63	0.69	0.66	0.63	0.68	0.65	0.63	0.62
10	0.68	0.64	0.61	0.68	0.64	0.61	0.67	0.64	0.61	0.67	0.63	0.61	0.66	0.63	0.61	0.60

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=623.43,FM=70.79,FH=10.77,FVH=4.03
BL=699.57,BM=87.72,BH=10.93,BVH=4.06
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	5041.19	4948.14	4828.16	4667.81	4446.60	4224.21	3998.90	3765.40	3463.42
45.0	5070.45	5062.84	5018.36	4928.82	4825.24	4683.61	4520.34	4289.17	4075.57
90.0	5079.23	5069.28	5027.73	4977.40	4920.05	4780.76	4635.63	4468.25	4282.15
135.0	5028.31	5085.66	5111.41	5086.25	5046.45	4990.86	4896.64	4726.34	4578.27
180.0	5041.19	5082.74	5099.12	5062.84	4998.47	4929.41	4782.52	4623.34	4434.31
225.0	5070.45	5045.28	5000.81	4920.63	4812.36	4669.57	4505.12	4247.04	4021.14
270.0	5079.23	5056.99	5005.49	4924.14	4832.26	4704.10	4507.46	4312.00	4044.55
315.0	5028.31	4935.26	4826.41	4650.84	4468.25	4264.59	3985.44	3742.57	3492.68
360.0	5041.19	4948.14	4828.16	4667.81	4446.60	4224.21	3998.90	3765.40	3463.42

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	3210.60	2954.27	2696.19	2360.86	2101.02	1865.17	1614.69	1438.54	1146.81
45.0	3857.86	3638.99	3329.40	3071.32	2808.55	2477.32	2213.96	1894.43	1674.97
90.0	4008.26	3777.69	3527.21	3185.44	2909.80	2562.76	2298.24	2035.47	1790.26
135.0	4388.66	4177.39	3894.73	3648.35	3389.68	3112.87	2749.45	2458.59	2190.56
180.0	4221.87	3916.38	3655.37	3379.15	3028.60	2748.28	2459.17	2130.86	1893.26
225.0	3769.49	3499.12	3143.30	2855.96	2559.25	2277.75	1943.01	1720.03	1323.25
270.0	3813.97	3539.50	3258.01	2892.83	2602.55	2312.28	2026.69	1724.13	1499.99
315.0	3224.06	2891.07	2616.01	2347.98	2077.02	1780.31	1567.88	1164.36	1164.36
360.0	3210.60	2954.27	2696.19	2360.86	2101.02	1865.17	1614.69	1438.54	1146.81

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1146.81	1052.76	973.81	885.56	829.09	775.13	721.35	654.05	600.38
45.0	1489.46	1332.03	1175.78	1071.02	982.65	914.18	835.17	778.99	726.32
90.0	1568.46	1139.43	1139.43	1047.67	952.69	858.76	794.44	733.87	662.47
135.0	1886.82	1670.29	1436.20	1275.85	1149.44	1044.69	938.76	866.19	801.23
180.0	1604.16	1416.89	1269.41	1145.93	1022.45	942.86	878.48	815.86	750.90
225.0	1152.48	1152.48	1023.62	942.62	867.89	792.39	740.08	689.45	636.61
270.0	1310.96	1168.17	1031.81	938.17	845.12	786.60	721.64	670.14	618.06
315.0	1076.99	965.04	896.33	836.52	783.38	720.29	670.67	619.52	565.15
360.0	1146.81	1052.76	973.81	885.56	829.09	775.13	721.35	654.05	600.38

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	542.27	481.93	407.32	348.91	294.89	235.55	193.18	156.20	118.74
45.0	668.97	592.31	530.27	453.61	390.99	333.64	306.72	306.72	176.74
90.0	609.28	552.39	481.05	422.30	347.21	294.66	245.56	201.73	154.27
135.0	745.64	673.07	618.06	561.87	484.04	421.42	361.73	306.72	306.72
180.0	700.57	645.56	588.21	517.40	458.87	379.87	326.03	300.28	300.28
225.0	568.14	512.25	455.42	394.73	323.86	272.36	224.32	173.69	139.05
270.0	568.31	498.08	437.22	374.60	317.25	303.21	240.47	164.16	132.32
315.0	490.77	430.20	372.20	315.79	252.47	207.93	161.23	129.74	104.05
360.0	542.27	481.93	407.32	348.91	294.89	235.55	193.18	156.20	118.74

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	95.63	74.15	61.45	52.20	45.35	38.86	35.17	32.07	29.50
45.0	133.78	106.80	85.38	69.06	55.19	47.58	41.73	37.04	32.95
90.0	123.48	99.66	81.00	64.43	55.83	49.33	43.72	38.51	35.46
135.0	197.57	150.64	120.26	96.50	78.60	63.09	54.31	47.34	42.08
180.0	176.21	142.21	114.76	88.02	72.51	61.21	53.31	46.06	41.73
225.0	110.96	84.51	69.64	59.11	49.92	44.54	40.26	36.75	32.95
270.0	106.34	82.17	68.41	57.06	50.45	45.06	39.68	36.23	33.12
315.0	79.94	66.13	56.01	48.46	41.26	36.93	33.42	30.49	27.33
360.0	95.63	74.15	61.45	52.20	45.35	38.86	35.17	32.07	29.50

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	26.80	25.11	23.53	22.24	20.83	19.90	18.96	18.38	17.85
45.0	30.37	28.09	26.16	24.23	22.82	21.42	20.48	19.78	18.96
90.0	32.07	29.85	27.86	25.81	24.35	23.12	22.12	21.01	20.37
135.0	37.34	34.24	31.54	28.50	26.45	24.64	22.65	21.30	20.07
180.0	38.27	35.29	31.95	29.67	27.10	25.28	23.70	21.89	20.66
225.0	30.37	28.09	26.04	23.82	22.24	20.78	19.25	18.14	17.03
270.0	29.90	27.51	25.46	23.64	22.00	20.19	18.90	17.73	16.74
315.0	25.16	23.29	21.19	19.78	18.55	17.26	16.39	15.51	14.86
360.0	26.80	25.11	23.53	22.24	20.83	19.90	18.96	18.38	17.85

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	17.09	16.44	15.86	15.27	14.63	14.28	13.93	13.58	13.17
45.0	18.38	17.91	17.50	17.03	16.50	15.98	15.27	14.51	13.93
90.0	19.78	19.25	18.55	17.91	17.15	16.21	15.51	14.86	14.10
135.0	18.73	17.91	17.15	16.27	15.57	15.04	14.57	14.05	13.58
180.0	19.61	18.61	17.50	16.80	16.09	15.45	14.75	14.22	13.81
225.0	16.27	15.63	14.98	14.28	13.81	13.34	12.87	12.47	12.17
270.0	15.92	15.16	14.40	13.93	13.40	13.11	12.82	12.41	12.11
315.0	14.34	13.87	13.34	12.99	12.70	12.41	12.11	11.88	11.65
360.0	17.09	16.44	15.86	15.27	14.63	14.28	13.93	13.58	13.17

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	12.82	12.41	12.06	11.70	11.35	11.12	10.94	10.71	10.48
45.0	13.40	12.76	12.29	11.94	11.29	10.94	10.65	10.36	10.18
90.0	13.58	12.99	12.47	11.94	11.53	11.06	10.71	10.48	10.30
135.0	13.17	12.87	12.47	12.11	11.70	11.41	11.06	10.71	10.53
180.0	13.28	12.93	12.58	12.17	11.82	11.47	11.06	10.83	10.65
225.0	11.88	11.59	11.24	11.00	10.65	10.42	10.24	10.01	9.77
270.0	11.88	11.53	11.35	11.06	10.83	10.59	10.36	10.12	9.95
315.0	11.41	11.12	10.89	10.53	10.42	10.24	9.95	9.77	9.54
360.0	12.82	12.41	12.06	11.70	11.35	11.12	10.94	10.71	10.48

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	10.24	10.07	9.83	9.60	9.42	9.25	9.07	8.90	8.72
45.0	9.95	9.77	9.48	9.31	9.07	8.84	8.66	8.43	8.25
90.0	10.12	9.83	9.66	9.36	9.13	8.95	8.72	8.49	8.31
135.0	10.36	10.12	9.89	9.66	9.48	9.31	9.01	8.84	8.66
180.0	10.36	10.12	9.95	9.71	9.42	9.19	9.01	8.84	8.60
225.0	9.60	9.31	9.07	8.90	8.60	8.43	8.25	8.08	7.96
270.0	9.66	9.48	9.25	8.95	8.72	8.60	8.37	8.19	8.02
315.0	9.36	9.07	8.90	8.66	8.54	8.31	8.13	8.02	7.84
360.0	10.24	10.07	9.83	9.60	9.42	9.25	9.07	8.90	8.72

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	8.60	8.49	8.31	8.08	7.84	7.49	7.37	6.73	6.67
45.0	8.13	7.96	7.78	7.67	7.49	7.32	7.08	6.91	6.79
90.0	8.13	7.96	7.78	7.55	7.37	7.20	7.02	6.85	6.73
135.0	8.43	8.25	8.08	7.90	7.72	7.55	7.32	7.14	6.96
180.0	8.43	8.25	8.13	7.90	7.72	7.49	7.26	7.14	7.02
225.0	7.78	7.61	7.43	7.32	7.14	6.96	6.79	6.73	6.55
270.0	7.84	7.67	7.49	7.32	7.14	6.96	6.79	6.67	6.55
315.0	7.72	7.55	7.43	7.26	7.08	6.96	6.79	6.67	6.61
360.0	8.60	8.49	8.31	8.08	7.84	7.49	7.37	6.73	6.67

Intensity data(cd)

C/γ(°)	90.0
0.0	6.61
45.0	6.61
90.0	6.61
135.0	6.85
180.0	6.91
225.0	6.50
270.0	6.55
315.0	6.61
360.0	6.61