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NT

Client:
LumCAT: 3-2834-L
Luminaire: 92.70.412.00
Report No: 2024327-B001
Ballast type: AC

Test No: 2024327-C001	Voltage(V): 34.510
LampCAT: Fortimo_SLM_C_1210	Current(A): 0.720
Lamp flux(lm): 4230.0	Power (W): 24.847
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 3567.73, Efficiency(%): 84.34% , Luminous Efficacy(lm/W): 143.59
Central intensity(cd): 8344.782, Maximum intensity(cd): 8344.782
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=34.8
[C90/270]Total=34.8
Field angle(10%Imax): [C0/180]Total=64.8
[C90/270]Total=64.8
Maximum s/h(1/2): C0_180=0.57 C90_270=0.57
Maximum s/h(1/4): C0_180=0.58 C90_270=0.58
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 84.34%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 98.013%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	8344.782	0.000	0	0.00%	0.00%
1.0	8330.297	7.979	7.979	0.19%	0.22%
2.0	8287.722	23.852	31.83	0.56%	0.89%
3.0	8225.176	39.493	71.324	0.93%	2.00%
4.0	8146.098	54.800	126.124	1.30%	3.54%
5.0	8047.487	69.664	195.788	1.65%	5.49%
6.0	7913.252	83.878	279.666	1.98%	7.84%
7.0	7750.413	97.224	376.89	2.30%	10.56%
8.0	7541.195	109.439	486.329	2.59%	13.63%
9.0	7270.674	120.042	606.371	2.84%	17.00%
10.0	6970.747	128.880	735.251	3.05%	20.61%
11.0	6624.732	135.847	871.097	3.21%	24.42%
12.0	6252.968	140.772	1011.869	3.33%	28.36%
13.0	5883.106	144.025	1155.894	3.40%	32.40%
14.0	5470.961	145.331	1301.225	3.44%	36.47%
15.0	5094.150	145.043	1446.267	3.43%	40.54%
16.0	4710.681	143.668	1589.936	3.40%	44.56%
17.0	4331.894	140.817	1730.753	3.33%	48.51%
18.0	3955.229	136.637	1867.389	3.23%	52.34%
19.0	3617.407	131.748	1999.138	3.11%	56.03%
20.0	3297.655	126.565	2125.703	2.99%	59.58%
21.0	3003.653	120.998	2246.701	2.86%	62.97%
22.0	2727.939	115.179	2361.879	2.72%	66.20%
23.0	2467.952	109.024	2470.903	2.58%	69.26%
24.0	2253.760	103.234	2574.137	2.44%	72.15%
25.0	2049.736	97.852	2671.989	2.31%	74.89%
26.0	1853.173	92.129	2764.117	2.18%	77.48%
27.0	1689.896	86.682	2850.799	2.05%	79.91%
28.0	1496.369	80.669	2931.469	1.91%	82.17%
29.0	1319.602	73.674	3005.143	1.74%	84.23%
30.0	1234.261	68.954	3074.096	1.63%	86.16%
31.0	1076.185	64.296	3138.393	1.52%	87.97%
32.0	910.310	56.911	3195.304	1.35%	89.56%
33.0	741.634	48.667	3243.97	1.15%	90.93%
34.0	580.463	40.011	3283.981	0.95%	92.05%
35.0	426.922	31.286	3315.267	0.74%	92.92%
36.0	292.269	22.899	3338.166	0.54%	93.57%
37.0	233.337	17.142	3355.308	0.41%	94.05%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	191.142	14.169	3369.477	0.33%	94.44%
39.0	125.399	10.804	3380.281	0.26%	94.75%
40.0	115.326	8.396	3388.677	0.20%	94.98%
41.0	106.357	7.894	3396.571	0.19%	95.20%
42.0	97.872	7.420	3403.991	0.18%	95.41%
43.0	91.471	7.014	3411.004	0.17%	95.61%
44.0	85.567	6.682	3417.686	0.16%	95.79%
45.0	80.059	6.365	3424.052	0.15%	95.97%
46.0	75.567	6.086	3430.138	0.14%	96.14%
47.0	71.222	5.838	3435.976	0.14%	96.31%
48.0	67.689	5.615	3441.591	0.13%	96.46%
49.0	64.543	5.430	3447.022	0.13%	96.62%
50.0	61.500	5.255	3452.277	0.12%	96.76%
51.0	58.918	5.095	3457.371	0.12%	96.91%
52.0	56.357	4.947	3462.318	0.12%	97.05%
53.0	54.133	4.806	3467.124	0.11%	97.18%
54.0	51.983	4.677	3471.801	0.11%	97.31%
55.0	49.737	4.541	3476.342	0.11%	97.44%
56.0	47.454	4.392	3480.734	0.10%	97.56%
57.0	45.443	4.247	3484.981	0.10%	97.68%
58.0	43.255	4.102	3489.083	0.10%	97.80%
59.0	41.178	3.947	3493.03	0.09%	97.91%
60.0	39.181	3.796	3496.827	0.09%	98.01%
61.0	37.279	3.649	3500.475	0.09%	98.11%
62.0	35.465	3.505	3503.981	0.08%	98.21%
63.0	33.885	3.373	3507.354	0.08%	98.31%
64.0	32.268	3.246	3510.6	0.08%	98.40%
65.0	30.922	3.127	3513.727	0.07%	98.49%
66.0	29.488	3.014	3516.741	0.07%	98.57%
67.0	28.325	2.907	3519.648	0.07%	98.65%
68.0	27.169	2.811	3522.459	0.07%	98.73%
69.0	26.021	2.713	3525.172	0.06%	98.81%
70.0	25.055	2.623	3527.796	0.06%	98.88%
71.0	24.155	2.543	3530.339	0.06%	98.95%
72.0	23.087	2.456	3532.796	0.06%	99.02%
73.0	22.268	2.372	3535.167	0.06%	99.09%
74.0	21.470	2.299	3537.467	0.05%	99.15%
75.0	20.717	2.229	3539.696	0.05%	99.21%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	20.132	2.168	3541.864	0.05%	99.28%
77.0	19.568	2.117	3543.981	0.05%	99.33%
78.0	19.071	2.068	3546.049	0.05%	99.39%
79.0	18.588	2.023	3548.073	0.05%	99.45%
80.0	18.120	1.979	3550.052	0.05%	99.50%
81.0	17.674	1.936	3551.987	0.05%	99.56%
82.0	17.220	1.892	3553.88	0.04%	99.61%
83.0	16.811	1.850	3555.729	0.04%	99.66%
84.0	16.408	1.810	3557.539	0.04%	99.71%
85.0	16.086	1.773	3559.313	0.04%	99.76%
86.0	15.757	1.741	3561.053	0.04%	99.81%
87.0	15.457	1.708	3562.762	0.04%	99.86%
88.0	15.187	1.679	3564.44	0.04%	99.91%
89.0	14.938	1.651	3566.091	0.04%	99.95%
90.0	14.916	1.637	3567.728	0.04%	100.00%

Zonal flux distribution table

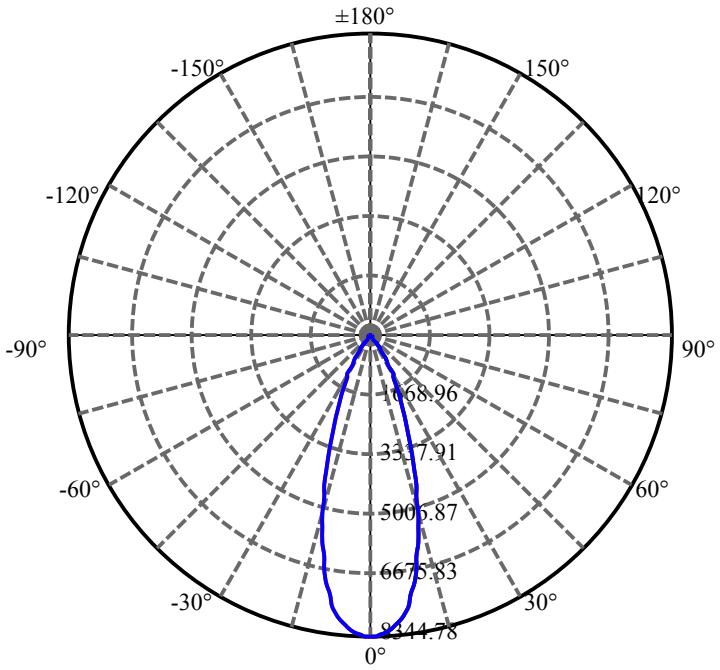
ZONAL LUMEN SUMMARY

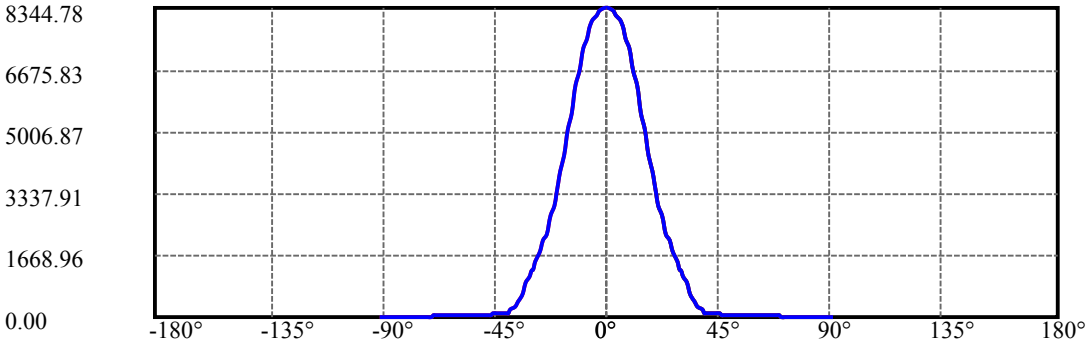
Zone	Lumens	%Lamp	%Fixt
0-30	3074.10	72.67%	86.16%
0-40	3388.68	80.11%	94.98%
0-60	3496.83	82.67%	98.01%
0-90	3566.09	84.30%	99.95%
0-120	3566.09	84.30%	99.95%
0-180	3567.73	84.34%	100.00%
60-90	69.26	1.64%	1.94%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-27.04	2854.18	67.47%	80.00%

ZONAL LUMEN SUMMARY

0-10	735.25
10-20	1390.45
20-30	948.39
30-40	314.58
40-50	63.60
50-60	44.55
60-70	30.97
70-80	22.26
80-90	16.04
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:32.4 Right:32.4
:C90/270Left:32.4 Right:32.4

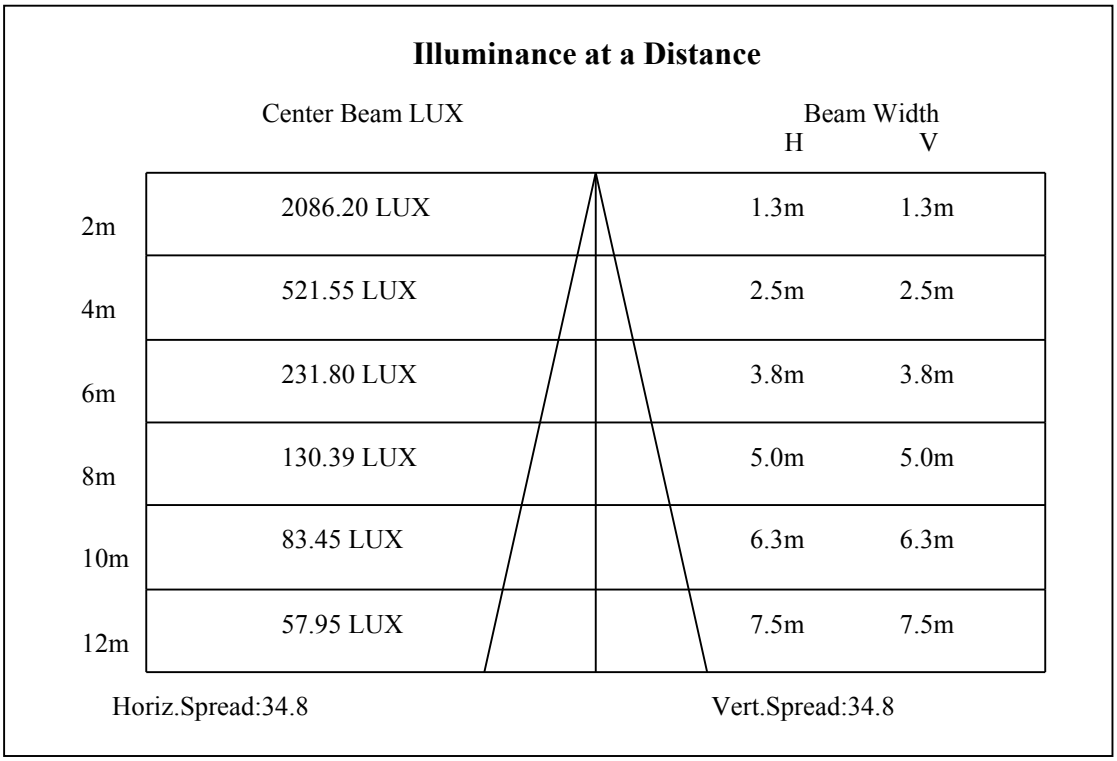
Beam Angle(50%Imax):C0/180Left:17.4 Right:17.4
:C90/270Left:17.4 Right:17.4

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/3/27
Humidity(%): 60.0%

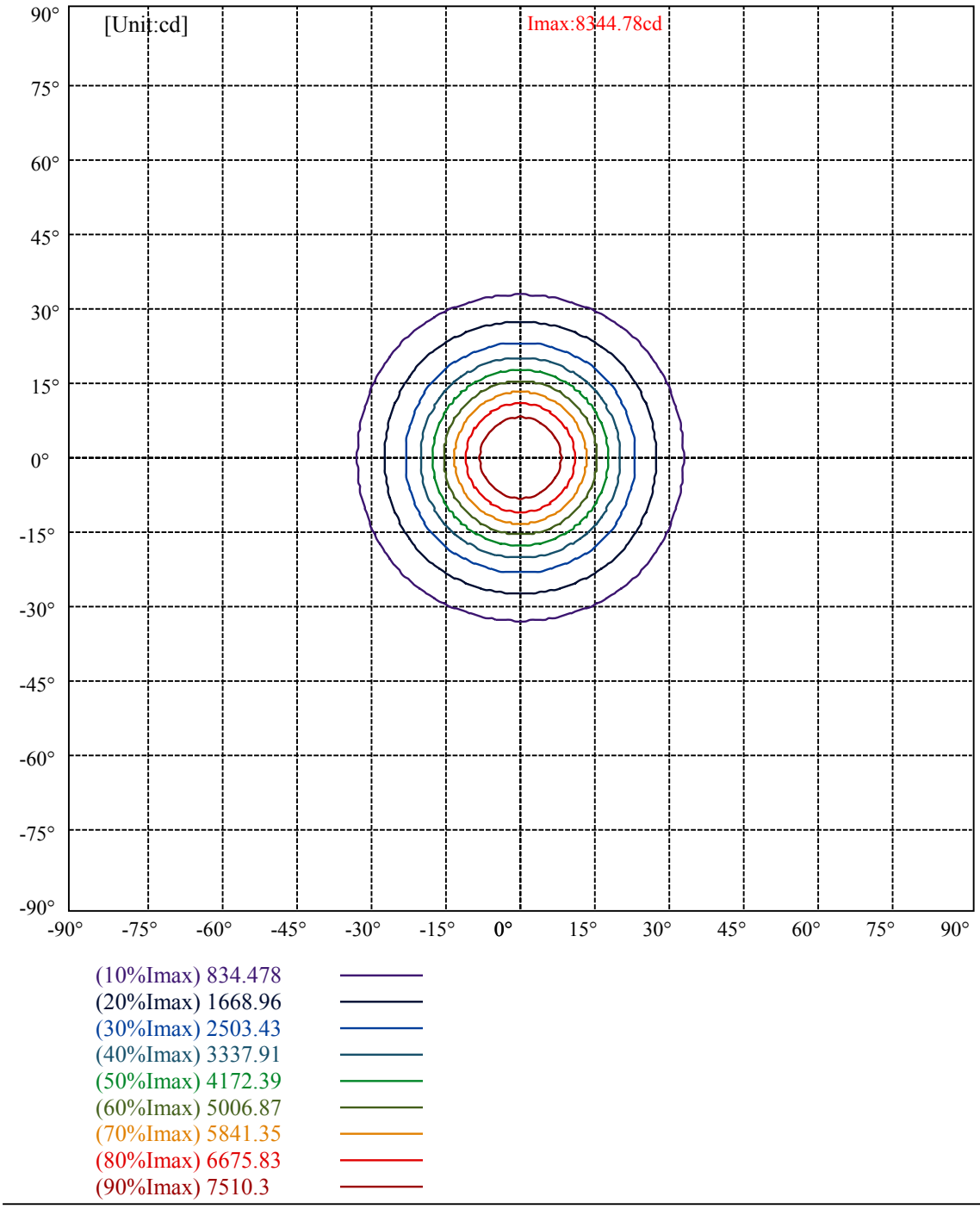
Operator: NT07
Distance(m): 7.65

Lux distance Curve



Equipment: GMS1980 Date: 2024/3/27 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

ISO-Intensity(V-H)

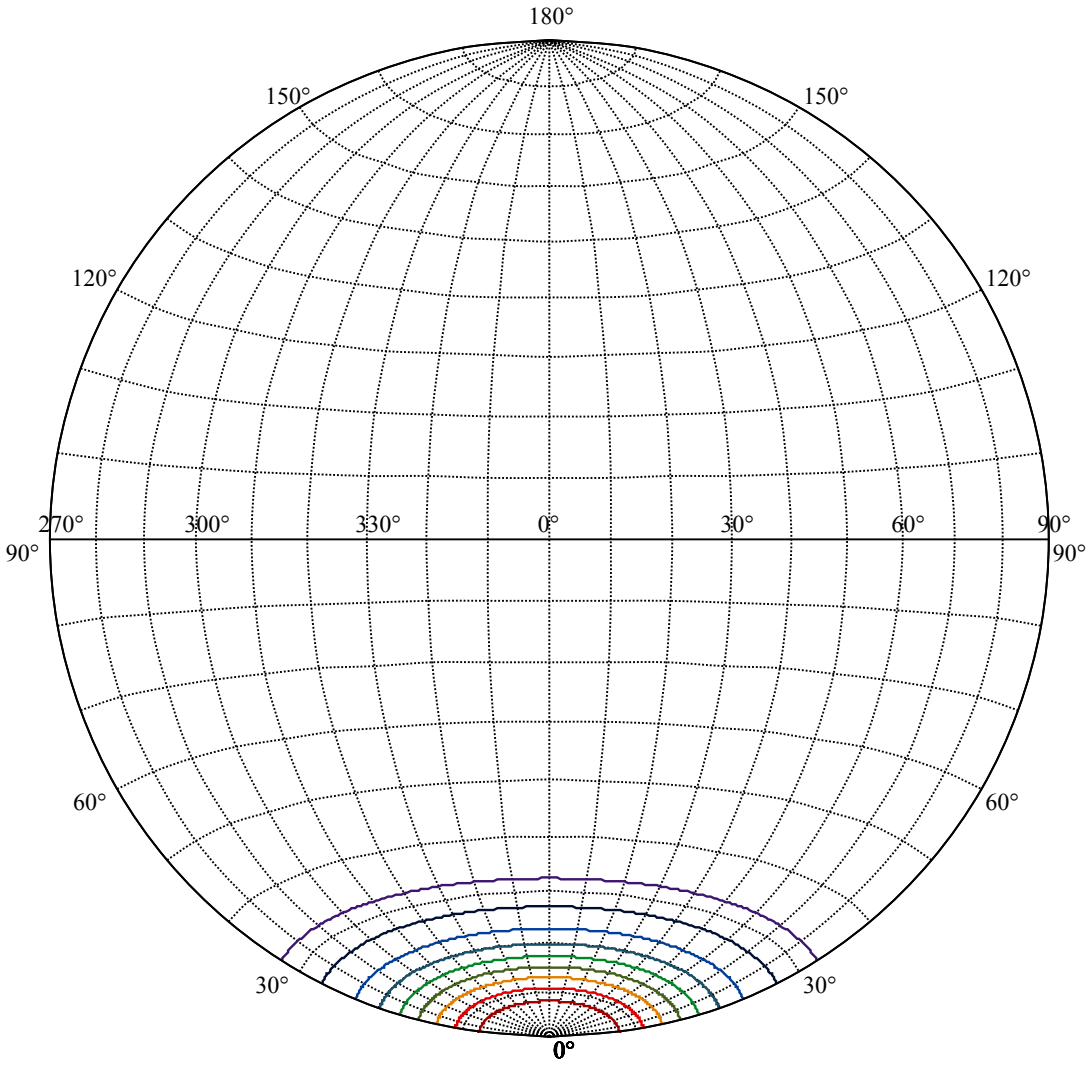


Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/3/27
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

ISO candela diagram on circular web



House [Unit:cd] Road

Imax:8344.78

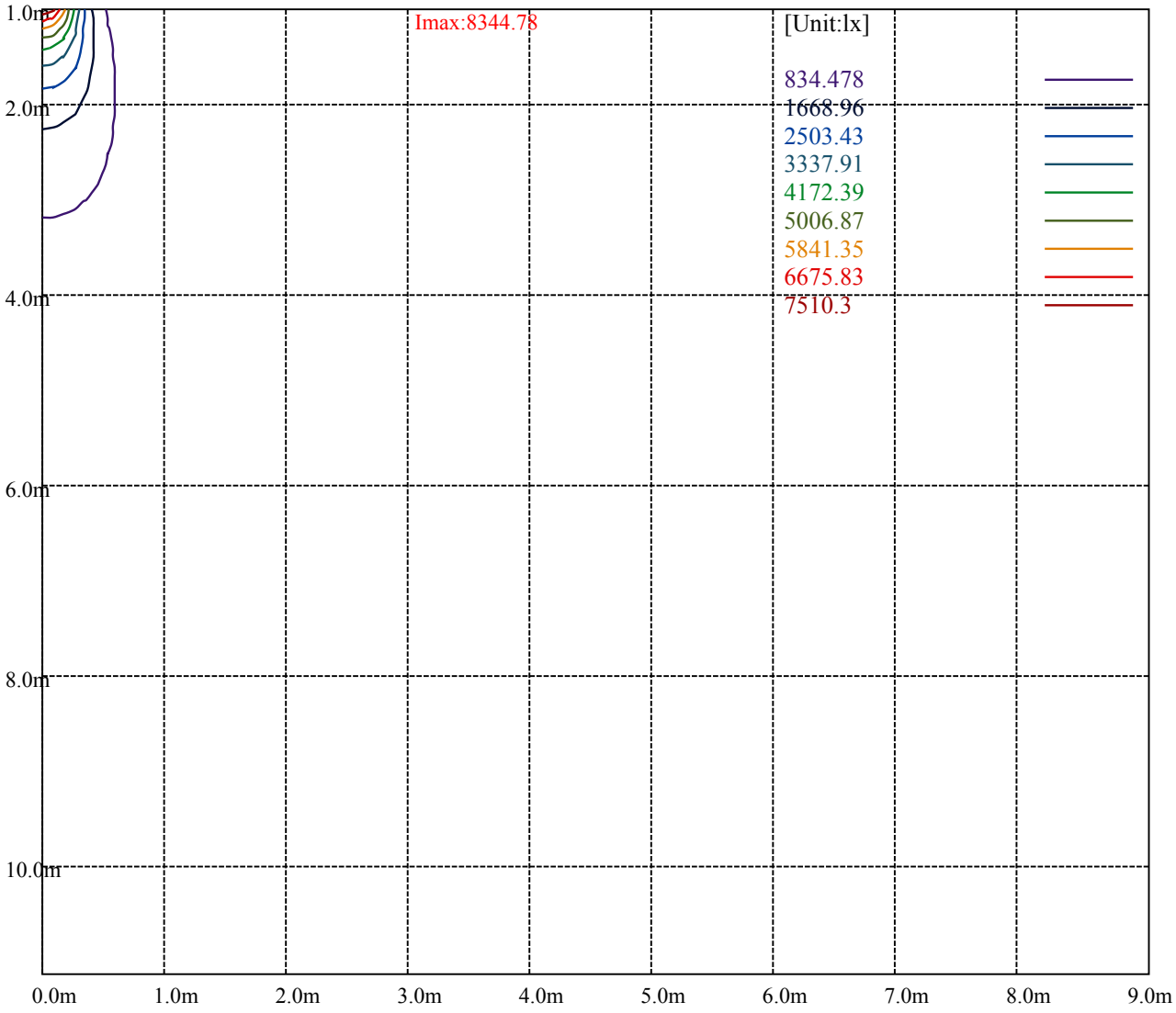
(10%Imax) 834.478
(20%Imax) 1668.96
(30%Imax) 2503.43
(40%Imax) 3337.91
(50%Imax) 4172.39
(60%Imax) 5006.87
(70%Imax) 5841.35
(80%Imax) 6675.83
(90%Imax) 7510.3

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/3/27
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/3/27
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

Luminance Limitting Curve(no luminous side)

Luminance Table

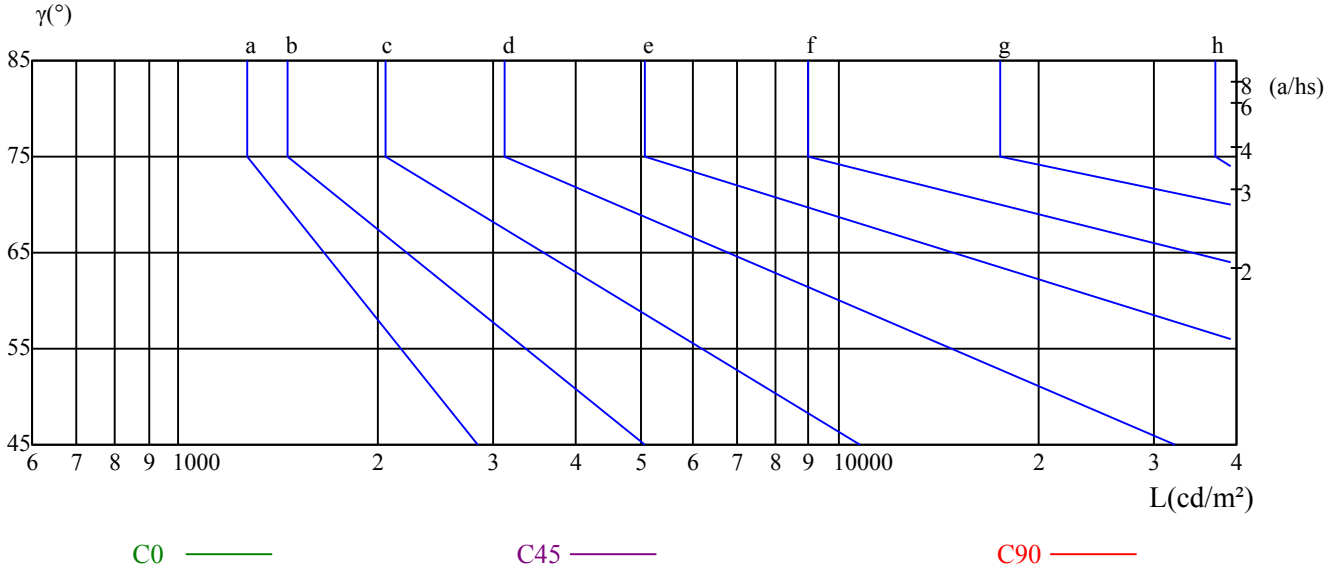
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

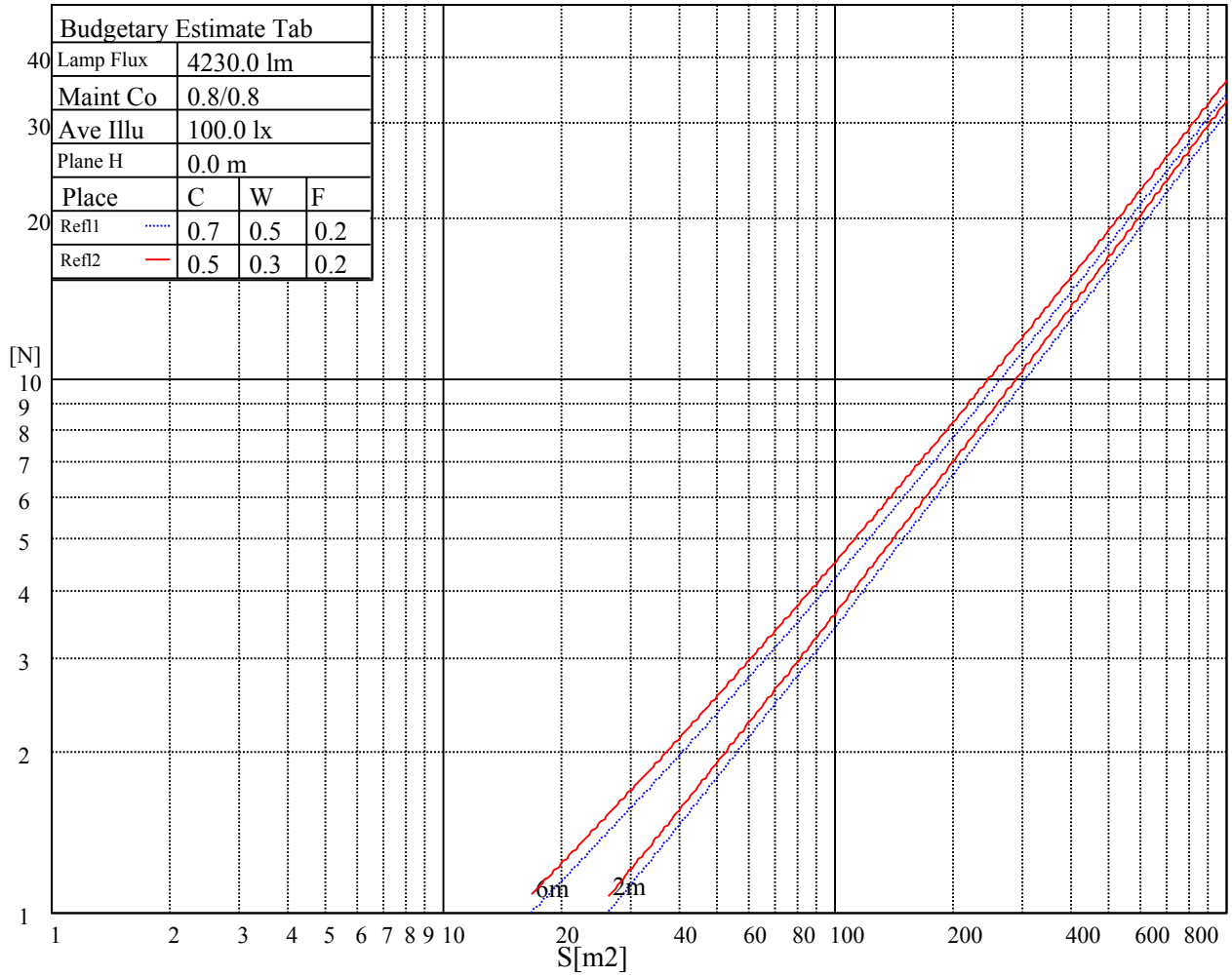
Luminance Limitting Curve



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

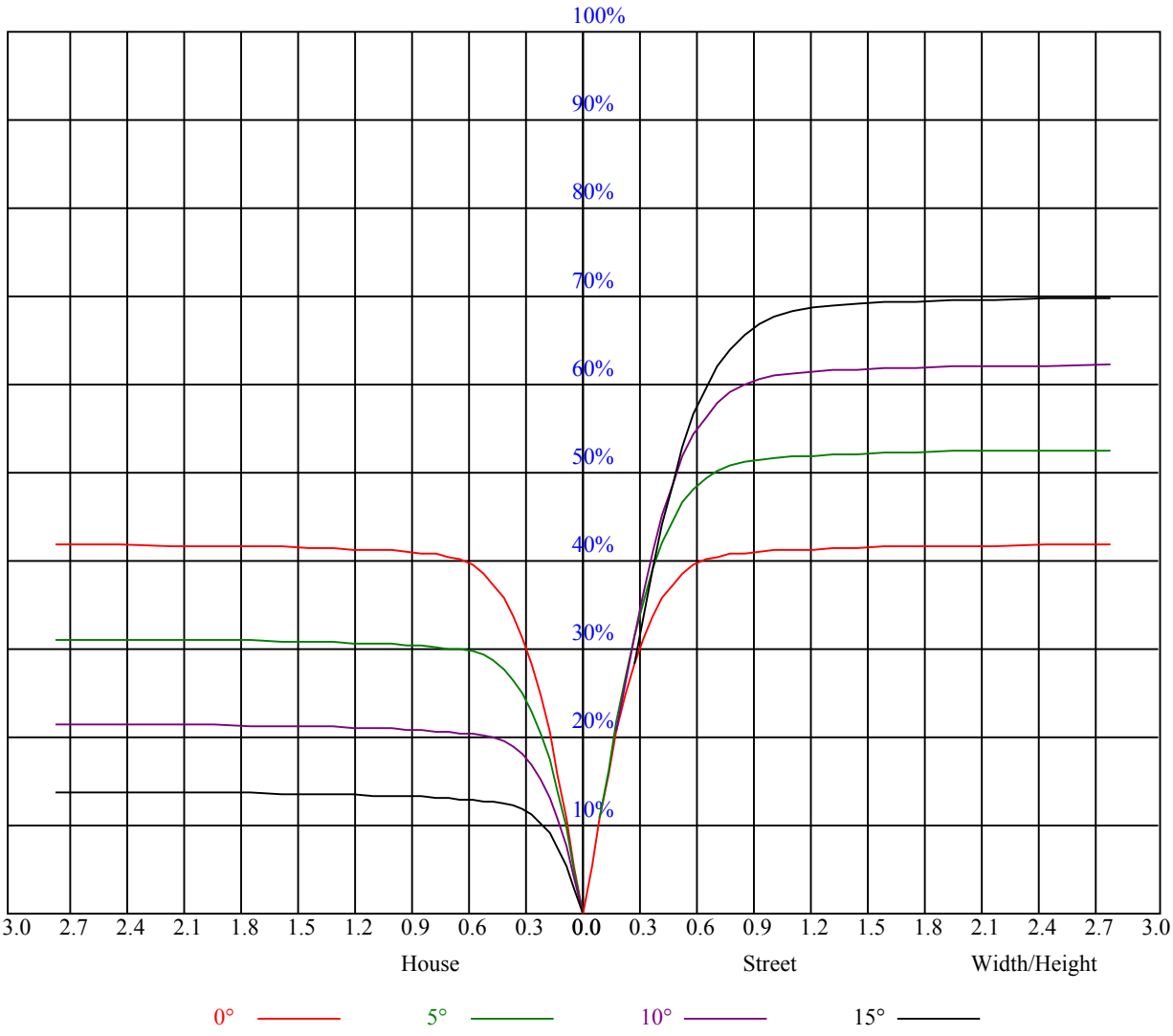


Equipment: GMS1980 Date: 2024/3/27 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

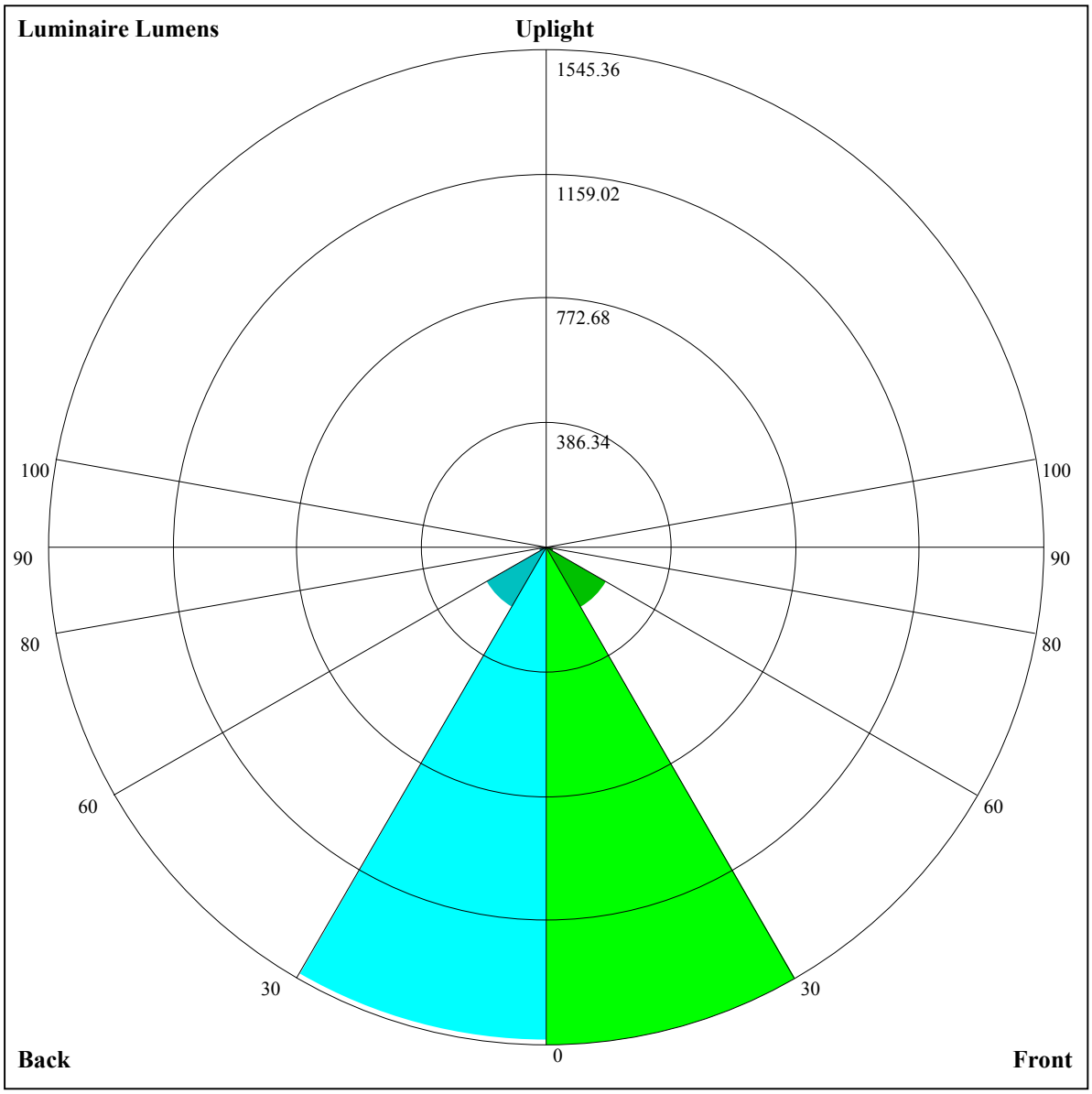
Utilization factor table for indoor luminaire

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	1.00	1.00	1.00	0.98	0.98	0.98	0.94	0.94	0.94	0.90	0.90	0.90	0.86	0.86	0.86	0.84
1	0.94	0.92	0.90	0.92	0.90	0.89	0.89	0.87	0.86	0.86	0.85	0.83	0.83	0.82	0.81	0.80
2	0.88	0.85	0.83	0.87	0.84	0.82	0.84	0.82	0.80	0.82	0.80	0.78	0.79	0.78	0.77	0.75
3	0.83	0.80	0.77	0.82	0.79	0.76	0.80	0.77	0.75	0.78	0.76	0.74	0.76	0.74	0.73	0.71
4	0.79	0.75	0.72	0.78	0.74	0.71	0.76	0.73	0.71	0.75	0.72	0.70	0.73	0.71	0.69	0.68
5	0.75	0.71	0.68	0.74	0.70	0.68	0.73	0.70	0.67	0.72	0.69	0.66	0.70	0.68	0.66	0.65
6	0.72	0.67	0.64	0.71	0.67	0.64	0.70	0.66	0.64	0.69	0.66	0.63	0.68	0.65	0.63	0.62
7	0.68	0.64	0.61	0.68	0.64	0.61	0.67	0.63	0.61	0.66	0.63	0.60	0.65	0.62	0.60	0.59
8	0.66	0.61	0.58	0.65	0.61	0.58	0.64	0.61	0.58	0.63	0.60	0.58	0.63	0.60	0.58	0.57
9	0.63	0.59	0.56	0.62	0.58	0.56	0.62	0.58	0.56	0.61	0.58	0.55	0.60	0.57	0.55	0.54
10	0.60	0.56	0.53	0.60	0.56	0.53	0.59	0.56	0.53	0.59	0.55	0.53	0.58	0.55	0.53	0.52

Coefficient Utilization Curve



Equipment: GMS1980	Date: 2024/3/27	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65



Luminaire Lumens:
FL=1545.36,FM=215.01,FH=26.55,FVH=8.85
BL=1529.79,BM=213.17,BH=26.74,BVH=8.86
UL=0,UH=0

BUG Rating:B3-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	8346.54	8338.93	8288.01	8230.66	8139.95	8044.56	7927.52	7739.66	7529.56
45.0	8348.29	8344.20	8335.42	8277.48	8215.45	8135.27	8049.24	7905.86	7758.39
90.0	8344.20	8312.01	8248.80	8185.02	8095.48	7983.70	7824.52	7661.82	7452.31
135.0	8340.10	8340.69	8320.20	8248.80	8183.84	8100.74	7964.39	7823.93	7651.29
180.0	8346.54	8349.46	8304.40	8247.05	8163.36	8045.15	7933.37	7782.97	7550.05
225.0	8348.29	8306.74	8236.52	8165.70	8070.31	7956.78	7765.99	7567.60	7321.81
270.0	8344.20	8348.29	8318.45	8265.78	8195.55	8106.60	8002.43	7859.05	7631.39
315.0	8340.10	8302.06	8249.98	8180.92	8104.84	8007.11	7838.56	7662.41	7434.76
360.0	8346.54	8338.93	8288.01	8230.66	8139.95	8044.56	7927.52	7739.66	7529.56

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	7283.77	6921.51	6599.64	6254.36	5799.05	5435.63	5068.11	4707.02	4270.45
45.0	7509.08	7262.12	6977.11	6577.99	6240.31	5885.08	5517.56	5056.99	4693.56
90.0	7197.16	6834.32	6513.03	6168.33	5810.17	5351.36	4985.01	4621.58	4179.15
135.0	7395.55	7141.56	6844.85	6444.56	6093.42	5727.66	5359.55	4900.73	4546.09
180.0	7322.98	7050.26	6655.24	6316.39	5955.89	5492.98	5128.39	4776.08	4415.58
225.0	6963.65	6645.29	6221.00	5861.67	5491.22	5120.19	4667.23	4315.51	3966.13
270.0	7399.64	7119.32	6725.46	6381.94	6019.68	5555.01	5191.59	4826.99	4456.55
315.0	7093.57	6791.59	6461.53	6018.51	5655.09	5199.78	4835.77	4480.54	4127.65
360.0	7283.77	6921.51	6599.64	6254.36	5799.05	5435.63	5068.11	4707.02	4270.45

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	3933.36	3614.41	3319.45	2969.49	2713.16	2431.08	2230.94	2043.66	1823.62
45.0	4334.82	3997.73	3600.95	3301.90	3023.92	2709.07	2484.34	2279.51	2038.98
90.0	3842.06	3454.64	3162.61	2895.75	2653.47	2381.92	2185.29	2000.36	1793.77
135.0	4200.80	3869.57	3480.39	3185.44	2855.96	2621.28	2402.41	2158.37	1968.76
180.0	3977.25	3660.06	3354.57	3045.57	2727.79	2498.38	2276.58	2044.25	1865.17
225.0	3637.23	3249.81	2973.00	2716.67	2491.36	2239.13	2054.20	1835.32	1683.17
270.0	4006.51	3694.58	3381.49	3071.90	2760.56	2529.99	2258.44	2079.36	1899.70
315.0	3709.80	3398.46	3108.77	2842.50	2597.29	2332.77	2137.89	1957.05	1752.22
360.0	3933.36	3614.41	3319.45	2969.49	2713.16	2431.08	2230.94	2043.66	1823.62

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1671.46	1538.03	1156.46	1156.46	1077.75	917.57	721.47	567.38	420.60
45.0	1864.00	1668.53	1543.88	1419.23	1283.46	1095.01	930.57	766.70	602.84
90.0	1647.47	1516.38	1162.84	1162.84	1041.70	882.40	727.08	537.94	397.78
135.0	1795.53	1612.35	1492.97	1344.32	1196.26	1033.57	834.59	684.77	540.81
180.0	1671.46	1543.88	1427.42	1238.98	1075.70	908.33	745.64	554.27	414.98
225.0	1547.98	1160.85	1160.85	1082.67	873.39	709.18	551.16	406.97	260.31
270.0	1708.92	1573.14	1450.83	1308.04	1106.13	941.10	776.65	619.81	438.98
315.0	1612.35	1357.78	1161.55	1161.55	955.09	795.32	645.91	505.87	339.08
360.0	1671.46	1538.03	1156.46	1156.46	1077.75	917.57	721.47	567.38	420.60

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	292.09	174.28	134.13	122.14	110.55	102.47	93.69	88.02	82.63
45.0	412.64	313.74	313.74	130.86	119.80	108.62	100.60	93.87	88.19
90.0	248.43	169.89	140.04	124.95	115.70	106.92	99.61	91.53	85.85
135.0	369.92	309.64	309.64	139.40	127.52	118.22	107.51	100.42	94.05
180.0	296.77	296.77	189.03	137.70	126.82	117.10	106.51	99.31	91.30
225.0	178.44	138.70	126.99	115.23	106.98	99.43	91.76	86.26	81.40
270.0	312.57	312.57	191.08	121.20	111.72	102.06	94.81	88.95	82.52
315.0	227.30	151.11	124.48	111.72	103.53	96.04	88.49	83.39	78.60
360.0	292.09	174.28	134.13	122.14	110.55	102.47	93.69	88.02	82.63

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	78.07	72.80	69.00	65.78	62.91	59.46	57.41	55.13	53.20
45.0	81.70	77.25	73.21	69.47	66.19	62.56	59.75	57.12	54.89
90.0	80.76	76.08	71.10	67.59	64.43	61.10	58.82	55.89	53.90
135.0	86.91	81.81	77.13	72.92	68.59	65.37	62.38	59.87	56.94
180.0	85.68	80.70	75.38	71.51	68.18	64.84	61.39	58.87	56.36
225.0	75.96	72.16	68.71	64.96	62.21	59.81	57.47	54.72	52.49
270.0	77.95	73.91	69.41	66.31	63.44	60.80	58.11	55.89	53.72
315.0	73.45	69.82	65.84	62.97	60.40	58.05	56.01	53.37	51.56
360.0	78.07	72.80	69.00	65.78	62.91	59.46	57.41	55.13	53.20

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	50.68	48.69	46.29	44.36	42.49	40.03	38.33	36.64	35.00
45.0	53.08	50.45	48.63	46.82	44.30	42.43	40.44	38.62	36.23
90.0	51.62	49.63	46.99	44.89	42.96	40.91	38.80	36.87	35.29
135.0	54.84	52.38	49.86	47.81	45.30	43.13	41.08	39.33	36.81
180.0	53.96	51.21	49.10	46.94	44.48	42.31	40.03	38.16	36.40
225.0	50.39	48.40	45.82	44.01	41.49	39.68	37.86	35.70	34.18
270.0	51.85	49.39	47.58	45.12	43.37	41.49	39.09	37.40	35.70
315.0	49.45	47.75	45.35	43.60	41.67	39.44	37.81	35.52	34.12
360.0	50.68	48.69	46.29	44.36	42.49	40.03	38.33	36.64	35.00

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	33.18	31.78	30.61	28.97	27.92	26.98	25.81	24.76	23.94
45.0	34.76	33.36	31.89	30.37	29.09	27.97	26.69	25.57	24.64
90.0	33.88	32.01	30.84	29.14	28.15	27.04	25.69	24.81	23.94
135.0	35.23	33.77	32.25	30.72	29.32	28.21	27.15	25.81	24.87
180.0	34.82	32.83	31.49	30.14	28.91	27.56	26.45	25.52	24.64
225.0	32.54	31.31	29.61	28.44	27.45	26.04	25.22	24.40	23.41
270.0	34.12	32.19	30.96	29.67	28.38	27.15	26.04	25.22	24.35
315.0	32.54	30.90	29.73	28.44	27.39	26.39	25.11	24.35	23.47
360.0	33.18	31.78	30.61	28.97	27.92	26.98	25.81	24.76	23.94

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	22.94	22.00	21.36	20.48	19.96	19.43	18.96	18.43	17.97
45.0	23.70	22.77	22.00	21.19	20.54	20.01	19.49	18.96	18.49
90.0	22.82	22.06	21.36	20.66	20.01	19.49	19.02	18.61	18.02
135.0	23.76	22.88	21.95	21.24	20.66	20.07	19.55	18.96	18.55
180.0	23.41	22.65	21.71	21.01	20.37	19.72	19.25	18.79	18.20
225.0	22.36	21.65	20.89	20.19	19.66	19.08	18.61	18.20	17.79
270.0	23.17	22.41	21.54	20.78	20.19	19.55	19.08	18.61	18.20
315.0	22.53	21.71	20.95	20.19	19.66	19.20	18.61	18.14	17.73
360.0	22.94	22.00	21.36	20.48	19.96	19.43	18.96	18.43	17.97

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	17.62	17.15	16.74	16.33	16.09	15.74	15.51	15.27	14.92
45.0	18.08	17.56	17.09	16.68	16.27	15.98	15.68	15.39	15.10
90.0	17.67	17.21	16.80	16.44	16.15	15.80	15.45	15.16	14.81
135.0	18.08	17.56	17.09	16.62	16.27	15.92	15.63	15.27	15.27
180.0	17.73	17.32	16.91	16.50	16.15	15.74	15.45	15.16	14.81
225.0	17.26	16.85	16.50	16.15	15.86	15.57	15.22	14.92	14.92
270.0	17.73	17.21	16.85	16.44	16.09	15.74	15.45	15.16	14.86
315.0	17.21	16.91	16.50	16.09	15.80	15.57	15.27	15.16	14.81
360.0	17.62	17.15	16.74	16.33	16.09	15.74	15.51	15.27	14.92

Intensity data(cd)

C/γ(°)	90.0
0.0	14.92
45.0	14.81
90.0	14.86
135.0	14.86
180.0	15.10
225.0	14.92
270.0	14.92
315.0	14.92
360.0	14.92