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NT

Client:
LumCAT: 2-2763-L
Luminaire: 92.70.412.00
Report No: 2024813-B024
Ballast type: AC

Test No: 2024813-C024	Voltage(V): 35.100
LampCAT: TRIDONIC SLE G7 15MM	Current(A): 0.702
Lamp flux(lm): 4107.0	Power (W): 24.640
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 3870.62, Efficiency(%): 94.24% , Luminous Efficacy(lm/W): 157.09
Central intensity(cd): 5744.188, Maximum intensity(cd): 5747.334
Angle of maximum intensity: C=0.0 γ=2.0
Beam Angle(50%Imax): [C0/180]Total=49.8
[C90/270]Total=49.8
Field angle(10%Imax): [C0/180]Total=73.4
[C90/270]Total=73.4
Maximum s/h(1/2): C0_180=0.79 C90_270=0.79
Maximum s/h(1/4): C0_180=0.78 C90_270=0.78
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 94.24%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 98.081%

Equipment: GMS1980	Date: 2024/8/13	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	5744.188	0.000	0	0.00%	0.00%
1.0	5744.481	5.497	5.497	0.13%	0.14%
2.0	5747.334	16.494	21.991	0.40%	0.57%
3.0	5740.969	27.476	49.468	0.67%	1.28%
4.0	5731.386	38.402	87.869	0.94%	2.27%
5.0	5706.514	49.205	137.074	1.20%	3.54%
6.0	5660.355	59.736	196.81	1.45%	5.08%
7.0	5602.198	69.906	266.717	1.70%	6.89%
8.0	5533.068	79.693	346.41	1.94%	8.95%
9.0	5445.870	88.978	435.388	2.17%	11.25%
10.0	5360.573	97.794	533.182	2.38%	13.78%
11.0	5256.330	106.085	639.267	2.58%	16.52%
12.0	5154.208	113.802	753.069	2.77%	19.46%
13.0	5036.359	120.936	874.006	2.94%	22.58%
14.0	4902.269	127.214	1001.219	3.10%	25.87%
15.0	4771.837	132.810	1134.03	3.23%	29.30%
16.0	4609.510	137.463	1271.493	3.35%	32.85%
17.0	4442.355	140.962	1412.454	3.43%	36.49%
18.0	4246.597	143.262	1555.716	3.49%	40.19%
19.0	4055.375	144.437	1700.154	3.52%	43.92%
20.0	3845.206	144.603	1844.756	3.52%	47.66%
21.0	3650.326	143.929	1988.686	3.50%	51.38%
22.0	3441.840	142.520	2131.206	3.47%	55.06%
23.0	3234.890	140.096	2271.302	3.41%	58.68%
24.0	3049.300	137.395	2408.697	3.35%	62.23%
25.0	2847.763	134.086	2542.783	3.26%	65.69%
26.0	2675.049	130.367	2673.15	3.17%	69.06%
27.0	2481.339	126.152	2799.302	3.07%	72.32%
28.0	2285.874	120.696	2919.997	2.94%	75.44%
29.0	2082.289	114.283	3034.281	2.78%	78.39%
30.0	1834.227	105.745	3140.026	2.57%	81.12%
31.0	1563.963	94.567	3234.593	2.30%	83.57%
32.0	1400.326	84.923	3319.516	2.07%	85.76%
33.0	1236.017	77.668	3397.184	1.89%	87.77%
34.0	1039.045	68.850	3466.034	1.68%	89.55%
35.0	851.100	58.701	3524.735	1.43%	91.06%
36.0	687.837	49.000	3573.735	1.19%	92.33%
37.0	514.098	39.200	3612.935	0.95%	93.34%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	391.889	30.241	3643.176	0.74%	94.12%
39.0	286.087	23.141	3666.317	0.56%	94.72%
40.0	232.861	18.099	3684.416	0.44%	95.19%
41.0	200.476	15.431	3699.847	0.38%	95.59%
42.0	128.172	11.940	3711.787	0.29%	95.90%
43.0	109.144	8.791	3720.578	0.21%	96.12%
44.0	93.797	7.660	3728.238	0.19%	96.32%
45.0	82.897	6.791	3735.029	0.17%	96.50%
46.0	73.885	6.131	3741.16	0.15%	96.66%
47.0	65.699	5.552	3746.711	0.14%	96.80%
48.0	60.015	5.082	3751.793	0.12%	96.93%
49.0	55.245	4.733	3756.527	0.12%	97.05%
50.0	51.017	4.430	3760.957	0.11%	97.17%
51.0	47.491	4.168	3765.125	0.10%	97.27%
52.0	44.843	3.962	3769.087	0.10%	97.38%
53.0	42.575	3.803	3772.89	0.09%	97.48%
54.0	40.512	3.662	3776.552	0.09%	97.57%
55.0	38.669	3.535	3780.086	0.09%	97.66%
56.0	37.045	3.421	3783.508	0.08%	97.75%
57.0	35.772	3.329	3786.837	0.08%	97.84%
58.0	34.462	3.248	3790.085	0.08%	97.92%
59.0	33.372	3.171	3793.256	0.08%	98.00%
60.0	32.378	3.106	3796.362	0.08%	98.08%
61.0	31.456	3.046	3799.409	0.07%	98.16%
62.0	30.849	3.002	3802.411	0.07%	98.24%
63.0	30.220	2.970	3805.381	0.07%	98.31%
64.0	29.817	2.946	3808.327	0.07%	98.39%
65.0	29.422	2.932	3811.259	0.07%	98.47%
66.0	28.969	2.913	3814.172	0.07%	98.54%
67.0	28.471	2.888	3817.06	0.07%	98.62%
68.0	27.893	2.855	3819.915	0.07%	98.69%
69.0	27.374	2.819	3822.735	0.07%	98.76%
70.0	26.774	2.781	3825.516	0.07%	98.83%
71.0	26.035	2.729	3828.245	0.07%	98.91%
72.0	25.304	2.669	3830.915	0.06%	98.97%
73.0	24.696	2.615	3833.529	0.06%	99.04%
74.0	24.141	2.567	3836.097	0.06%	99.11%
75.0	23.548	2.520	3838.617	0.06%	99.17%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	22.999	2.471	3841.087	0.06%	99.24%
77.0	22.414	2.421	3843.509	0.06%	99.30%
78.0	21.902	2.372	3845.881	0.06%	99.36%
79.0	21.375	2.325	3848.206	0.06%	99.42%
80.0	20.790	2.273	3850.48	0.06%	99.48%
81.0	20.300	2.222	3852.702	0.05%	99.54%
82.0	19.788	2.174	3854.876	0.05%	99.59%
83.0	19.371	2.129	3857.004	0.05%	99.65%
84.0	18.910	2.085	3859.09	0.05%	99.70%
85.0	18.449	2.039	3861.129	0.05%	99.75%
86.0	17.857	1.985	3863.113	0.05%	99.81%
87.0	17.403	1.930	3865.043	0.05%	99.86%
88.0	17.059	1.888	3866.931	0.05%	99.90%
89.0	16.833	1.858	3868.788	0.05%	99.95%
90.0	16.598	1.833	3870.621	0.04%	100.00%

Zonal flux distribution table

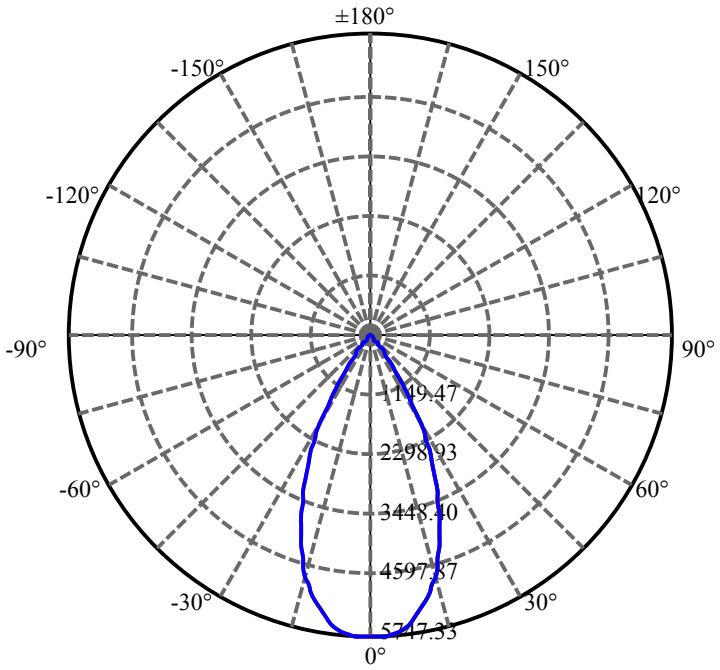
ZONAL LUMEN SUMMARY

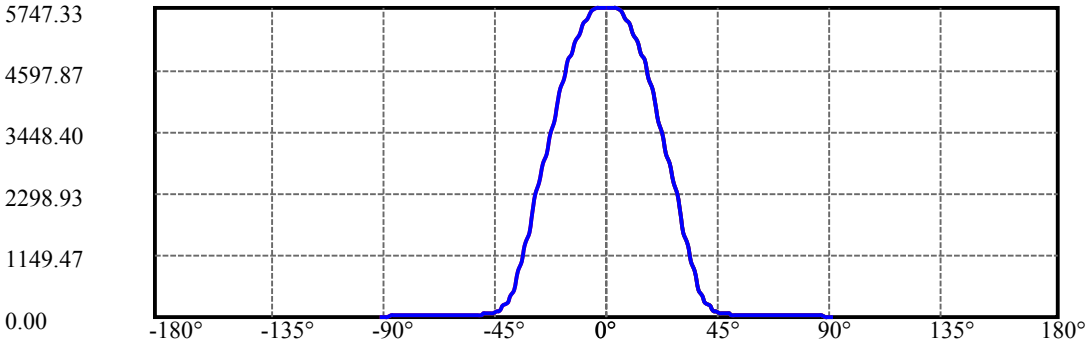
Zone	Lumens	%Lamp	%Fixt
0-30	3140.03	76.46%	81.12%
0-40	3684.42	89.71%	95.19%
0-60	3796.36	92.44%	98.08%
0-90	3868.79	94.20%	99.95%
0-120	3868.79	94.20%	99.95%
0-180	3870.62	94.24%	100.00%
60-90	72.43	1.76%	1.87%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-29.59	3096.50	75.40%	80.00%

ZONAL LUMEN SUMMARY

0-10	533.18
10-20	1311.57
20-30	1295.27
30-40	544.39
40-50	76.54
50-60	35.41
60-70	29.15
70-80	24.96
80-90	18.31
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):

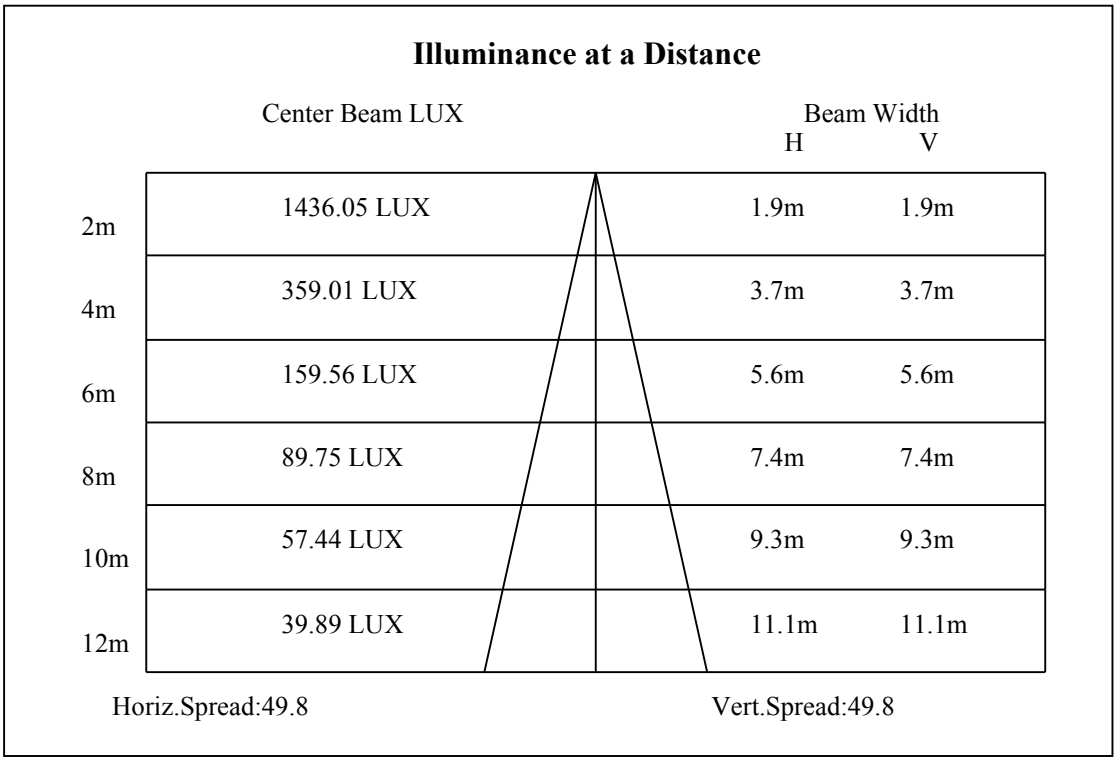
C0/C180:

C90/C270:

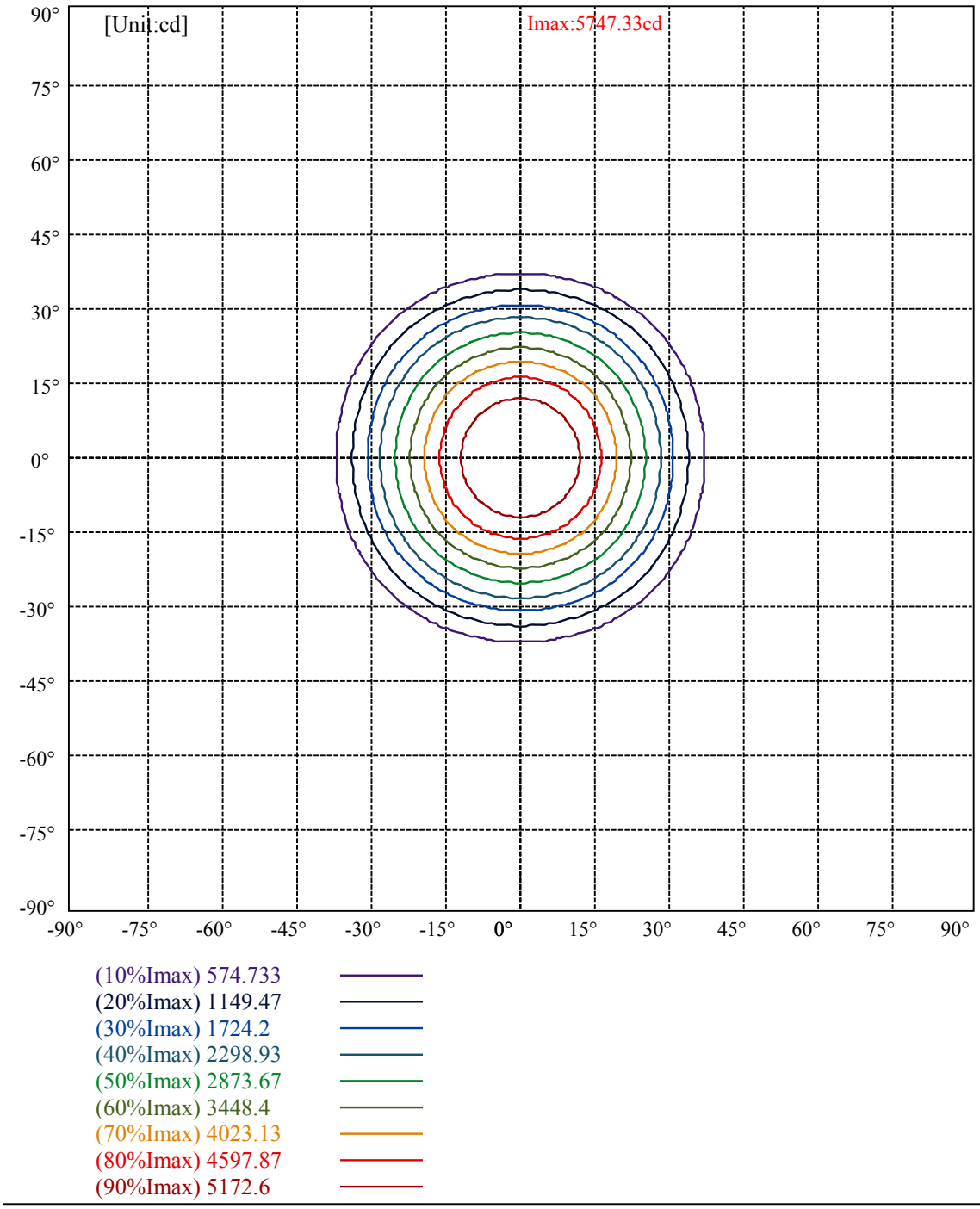
Field angle(10%Imax):C0/180Left:38.7 Right:34.7
:C90/270Left:38.7 Right:34.7

Beam Angle(50%Imax):C0/180Left:26.9 Right:22.9
:C90/270Left:26.9 Right:22.9

Lux distance Curve



ISO-Intensity(V-H)



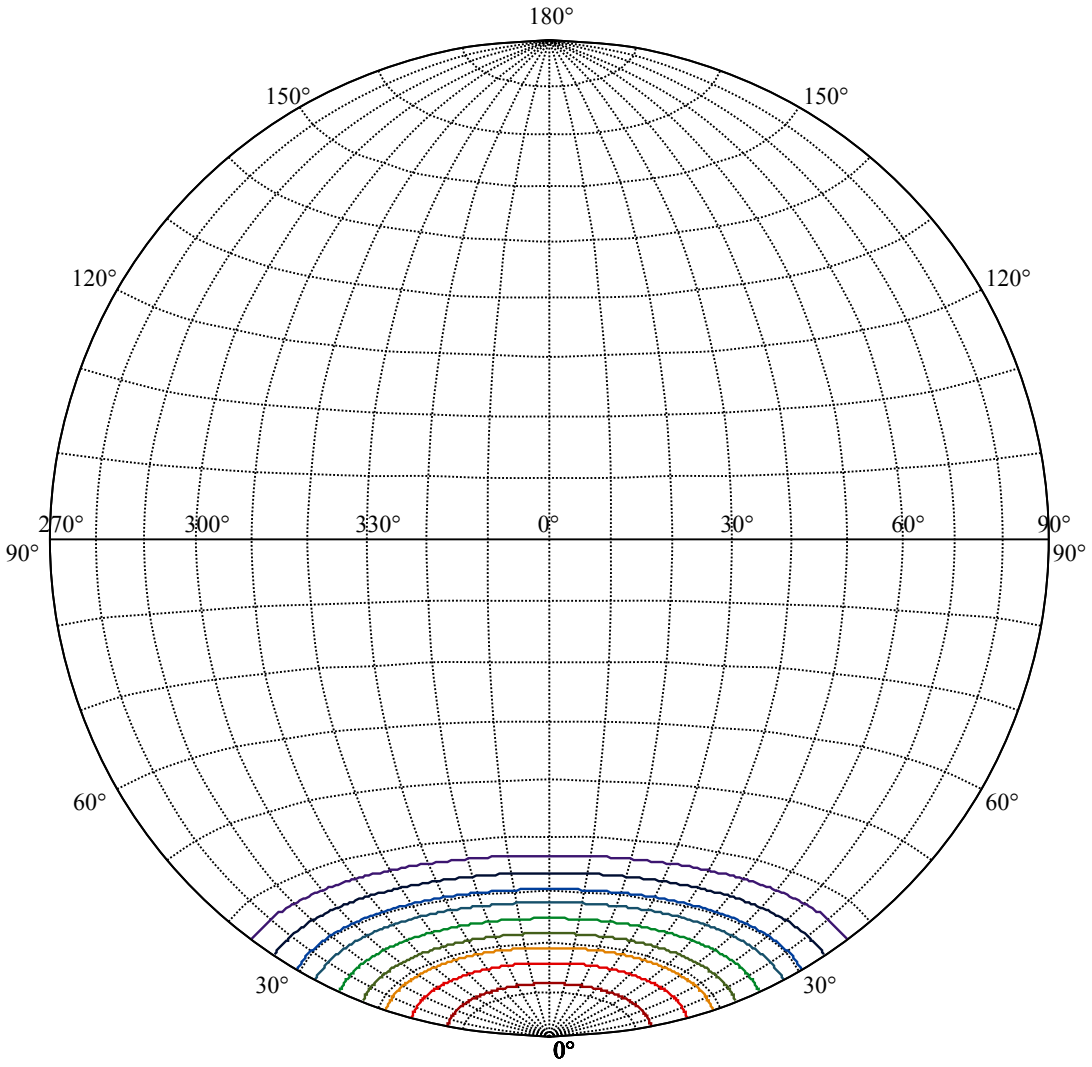
(10%Imax) 574.733
(20%Imax) 1149.47
(30%Imax) 1724.2
(40%Imax) 2298.93
(50%Imax) 2873.67
(60%Imax) 3448.4
(70%Imax) 4023.13
(80%Imax) 4597.87
(90%Imax) 5172.6

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/8/13
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

ISO candela diagram on circular web



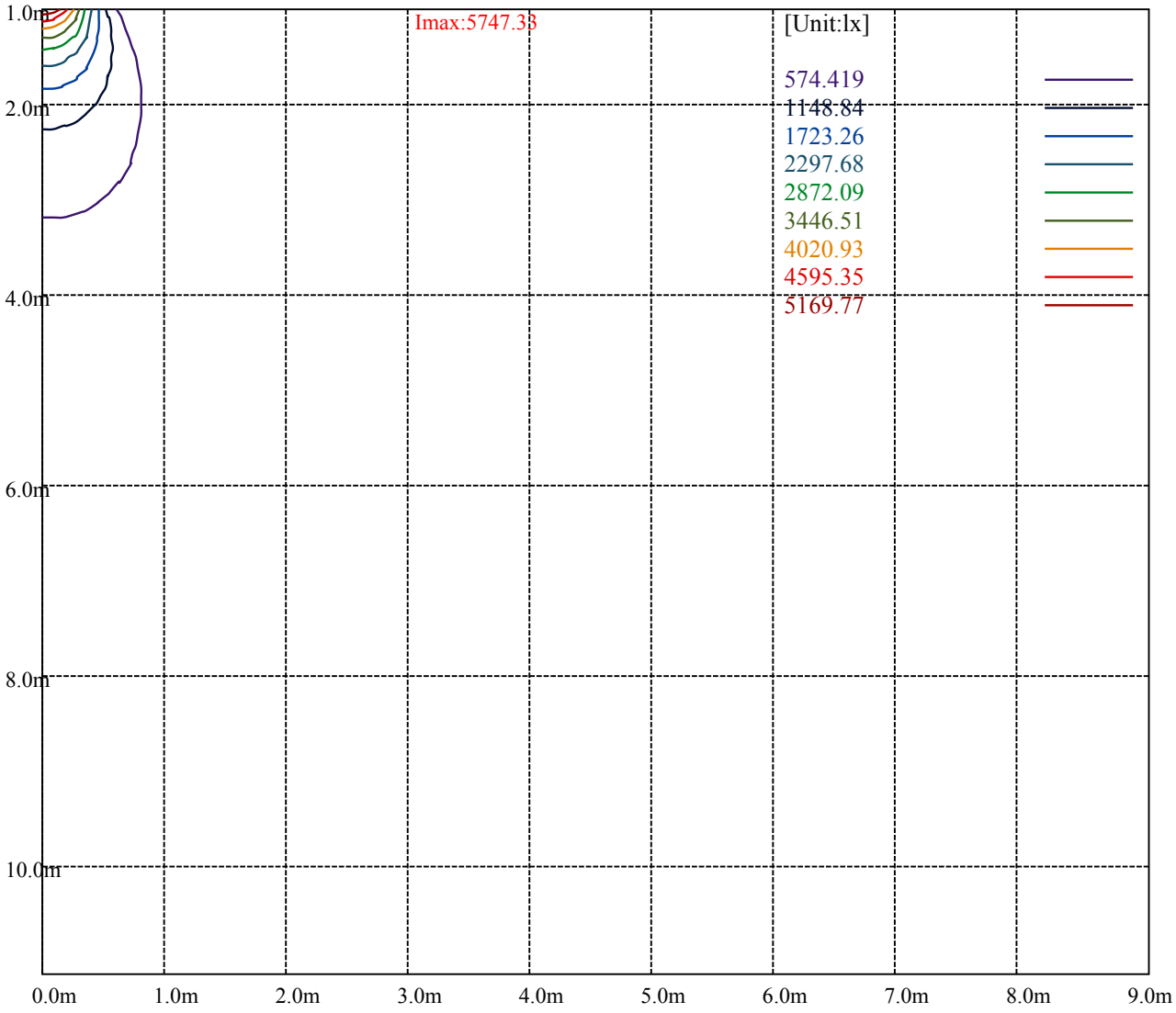
House [Unit:cd] Road

Imax:5747.33

(10%Imax) 574.733
(20%Imax) 1149.47
(30%Imax) 1724.2
(40%Imax) 2298.93
(50%Imax) 2873.67
(60%Imax) 3448.4
(70%Imax) 4023.13
(80%Imax) 4597.87
(90%Imax) 5172.6

Equipment: GMS1980	Date: 2024/8/13	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/8/13
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

Luminance Limitting Curve(no luminous side)

Luminance Table

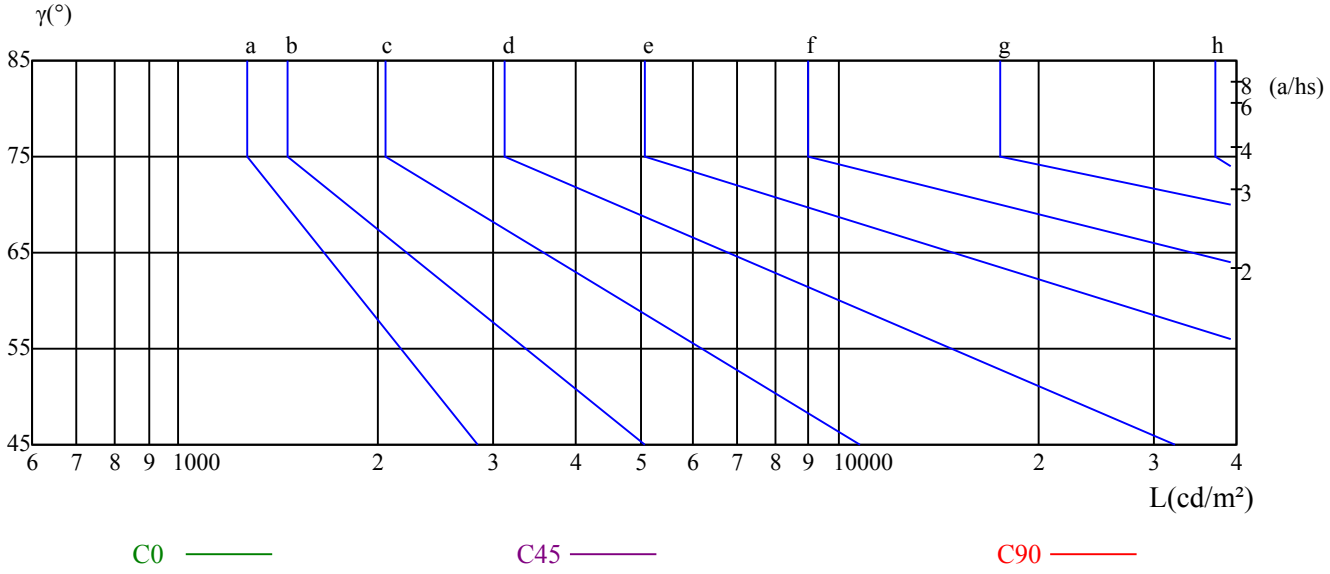
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

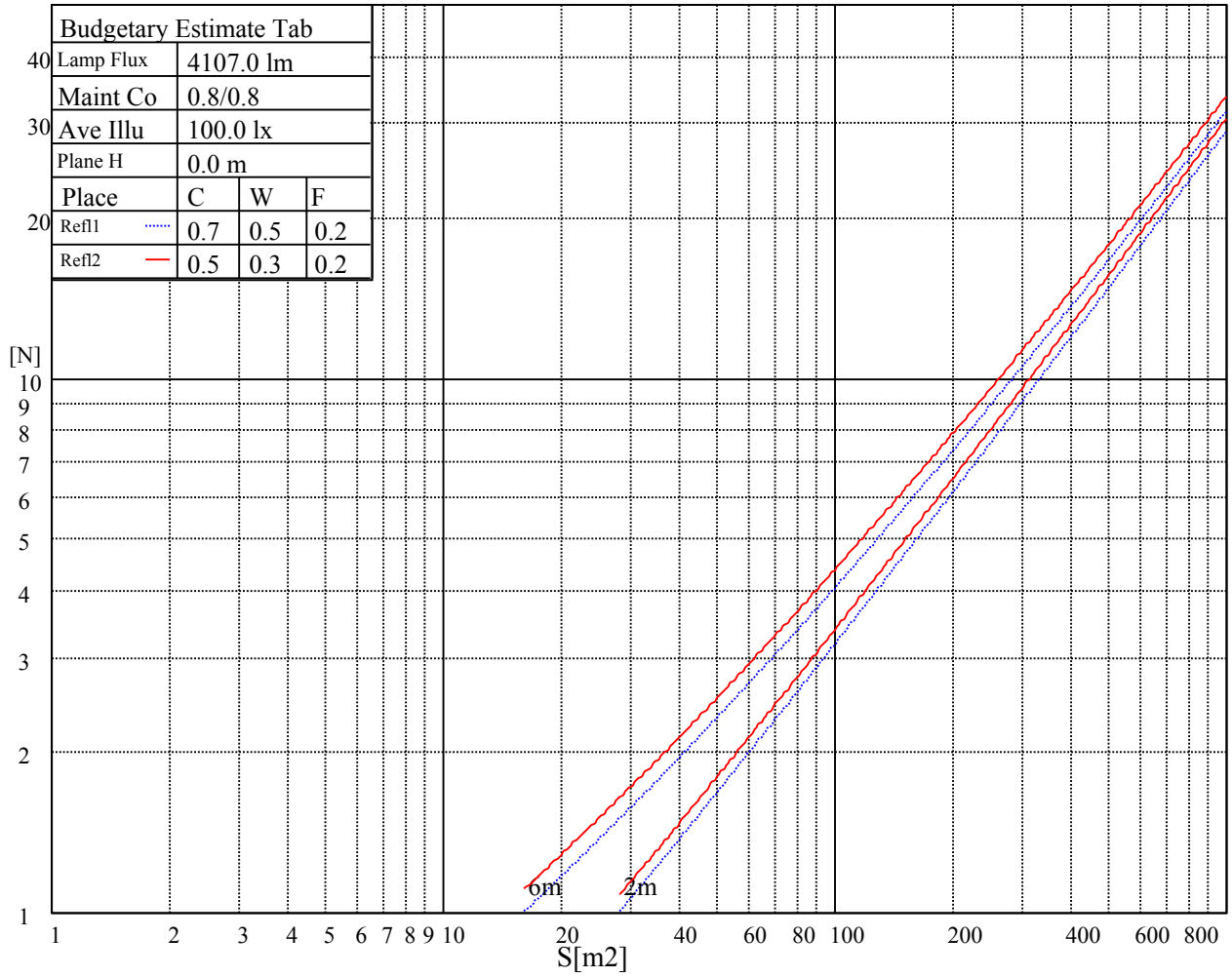
Luminance Limitting Curve



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 X Y	Viewed crosswise					Viewed endwise				
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
2H 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
2H 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
2H 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
2H 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
2H 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
4H 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 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
4H 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
4H 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
4H 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
8H 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 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
8H 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
12H 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
12H 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

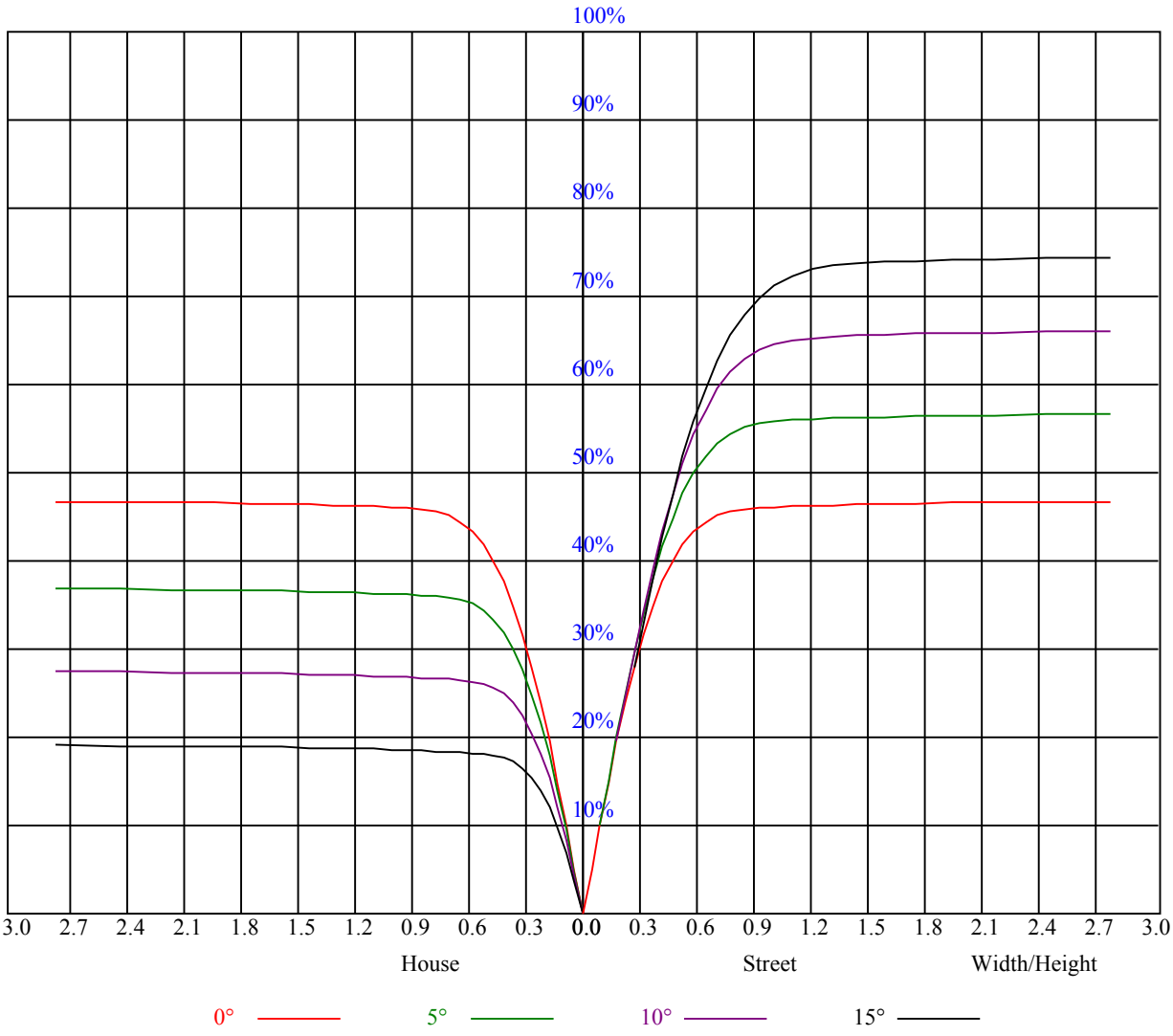


Equipment: GMS1980 Date: 2024/8/13 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

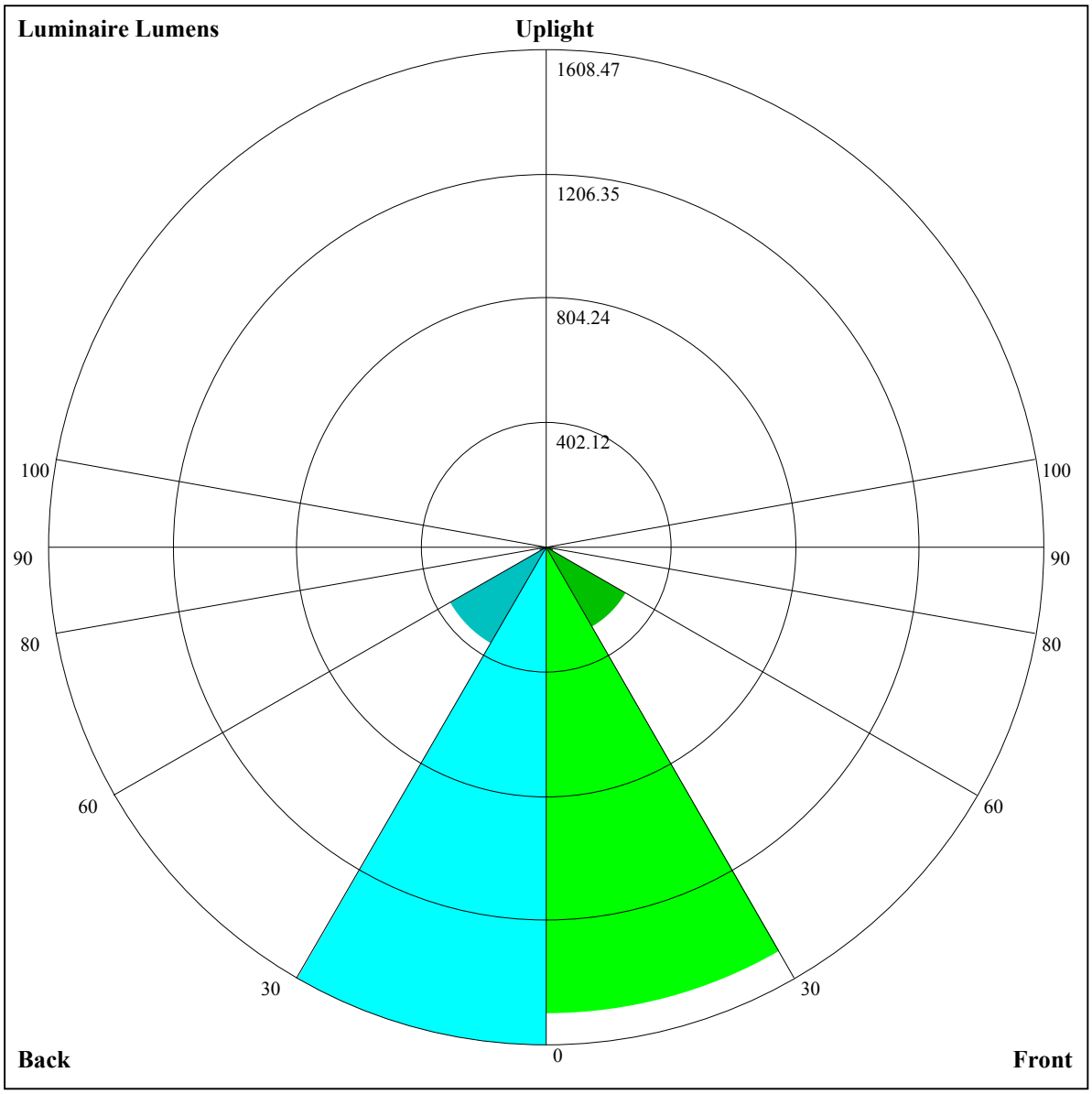
Utilization factor table for indoor luminaire

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	1.10	1.10	1.10	1.05	1.05	1.05	1.00	1.00	1.00	0.96	0.96	0.96	0.94
1	1.04	1.02	1.00	1.02	1.00	0.98	0.99	0.97	0.95	0.95	0.94	0.93	0.92	0.91	0.90	0.88
2	0.98	0.94	0.91	0.96	0.93	0.90	0.93	0.90	0.88	0.90	0.88	0.86	0.88	0.86	0.84	0.83
3	0.92	0.87	0.84	0.90	0.86	0.83	0.88	0.85	0.82	0.86	0.83	0.80	0.84	0.81	0.79	0.78
4	0.86	0.81	0.78	0.85	0.81	0.77	0.83	0.79	0.76	0.81	0.78	0.75	0.80	0.77	0.75	0.73
5	0.81	0.76	0.73	0.81	0.76	0.72	0.79	0.75	0.72	0.77	0.74	0.71	0.76	0.73	0.70	0.69
6	0.77	0.72	0.68	0.76	0.71	0.68	0.75	0.71	0.67	0.74	0.70	0.67	0.72	0.69	0.66	0.65
7	0.73	0.68	0.64	0.72	0.67	0.64	0.71	0.67	0.64	0.70	0.66	0.63	0.69	0.66	0.63	0.62
8	0.69	0.64	0.61	0.69	0.64	0.60	0.68	0.63	0.60	0.67	0.63	0.60	0.66	0.62	0.60	0.58
9	0.66	0.61	0.57	0.66	0.61	0.57	0.65	0.60	0.57	0.64	0.60	0.57	0.63	0.59	0.57	0.56
10	0.63	0.58	0.54	0.62	0.58	0.54	0.62	0.57	0.54	0.61	0.57	0.54	0.60	0.57	0.54	0.53

Coefficient Utilization Curve



Equipment: GMS1980	Date: 2024/8/13	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65



Luminaire Lumens:
FL=1509.29,FM=298.27,FH=26.79,FVH=9.95
BL=1608.47,BM=362.09,BH=27.29,BVH=10.17
UL=0,UH=0

BUG Rating:B3-U0-G1

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	5741.12	5737.60	5732.34	5730.58	5698.98	5655.67	5589.54	5485.37	5412.80
45.0	5737.02	5746.38	5758.67	5753.99	5746.97	5731.17	5696.05	5652.75	5584.28
90.0	5775.06	5790.86	5810.76	5817.78	5822.46	5801.98	5735.85	5670.30	5581.35
135.0	5723.56	5766.28	5782.08	5797.88	5828.90	5834.75	5811.93	5803.73	5769.21
180.0	5741.12	5745.80	5762.77	5766.87	5787.93	5791.45	5785.01	5751.06	5715.37
225.0	5737.02	5725.31	5730.58	5702.49	5683.76	5638.12	5604.76	5536.87	5447.92
270.0	5775.06	5730.58	5707.17	5693.71	5650.99	5612.95	5553.26	5483.03	5400.51
315.0	5723.56	5713.02	5694.30	5664.45	5631.09	5586.03	5506.44	5434.46	5353.11
360.0	5741.12	5737.60	5732.34	5730.58	5698.98	5655.67	5589.54	5485.37	5412.80

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	5329.12	5225.53	5116.10	4986.76	4846.31	4662.55	4513.31	4335.99	4151.64
45.0	5489.47	5412.22	5327.36	5212.07	5095.61	4961.60	4816.46	4622.75	4447.18
90.0	5480.69	5377.69	5249.53	5133.65	4972.13	4845.14	4685.37	4475.27	4283.32
135.0	5696.64	5632.85	5571.40	5466.06	5371.25	5274.69	5179.88	5016.02	4848.65
180.0	5676.16	5611.78	5533.36	5459.62	5364.23	5246.60	5140.09	5028.31	4863.28
225.0	5356.62	5271.77	5161.74	5090.93	4999.64	4866.79	4747.99	4608.12	4454.21
270.0	5304.54	5206.81	5095.03	5000.22	4893.12	4766.13	4637.97	4510.97	4382.22
315.0	5233.73	5145.94	4996.12	4884.35	4748.57	4594.66	4453.62	4278.64	4108.34
360.0	5329.12	5225.53	5116.10	4986.76	4846.31	4662.55	4513.31	4335.99	4151.64

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	3920.48	3725.60	3499.12	3313.60	3143.30	2930.87	2768.17	2592.02	2390.70
45.0	4266.93	4083.76	3844.99	3661.81	3428.89	3234.01	3063.13	2844.25	2674.54
90.0	4083.76	3822.75	3610.90	3394.36	3196.56	2956.62	2767.00	2597.87	2429.33
135.0	4693.56	4511.56	4264.59	4072.05	3869.57	3617.33	3411.34	3177.25	2998.75
180.0	4697.66	4516.83	4316.09	4086.10	3877.76	3642.50	3376.22	3169.64	2994.07
225.0	4237.09	4048.06	3849.67	3660.06	3429.48	3238.11	3064.30	2860.05	2682.14
270.0	4180.91	4017.04	3835.62	3646.60	3437.67	3270.88	3108.77	2901.60	2746.52
315.0	3892.39	3717.41	3540.67	3368.03	3151.50	2988.80	2835.47	2639.42	2484.34
360.0	3920.48	3725.60	3499.12	3313.60	3143.30	2930.87	2768.17	2592.02	2390.70

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	2195.82	1993.33	1796.11	1382.36	1141.01	1141.01	957.14	736.21	578.09
45.0	2505.99	2326.33	2086.39	1885.07	1689.02	1487.12	1279.95	1040.59	857.41
90.0	2232.69	2060.64	1887.41	1649.81	1157.34	1157.34	1067.92	894.22	679.21
135.0	2812.65	2635.91	2424.65	2243.81	2050.69	1849.37	1604.16	1408.11	1215.57
180.0	2755.30	2567.44	2340.96	2149.59	1950.03	1748.13	1500.58	1305.11	1118.42
225.0	2505.41	2278.92	2089.31	1840.59	1641.03	1146.57	1146.57	1002.84	818.50
270.0	2544.62	2379.00	2196.41	1951.20	1744.61	1535.10	1330.86	1098.53	920.62
315.0	2298.24	2045.42	1837.08	1571.39	1137.97	1137.97	1000.97	826.75	620.98
360.0	2195.82	1993.33	1796.11	1382.36	1141.01	1141.01	957.14	736.21	578.09

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	439.15	294.19	215.60	172.52	134.43	112.48	97.97	84.21	75.20
45.0	686.53	485.21	351.78	296.77	296.77	144.90	117.45	102.59	91.12
90.0	524.65	393.91	279.33	193.30	141.39	120.38	102.18	89.60	77.72
135.0	1020.69	781.92	604.60	409.72	314.32	314.32	152.92	126.12	106.04
180.0	938.76	721.64	565.39	426.69	305.55	305.55	159.12	132.49	107.15
225.0	652.99	467.89	376.18	260.02	202.43	167.14	133.61	114.00	100.48
270.0	756.17	605.77	474.68	333.05	307.89	307.89	156.90	132.55	114.41
315.0	483.75	362.25	267.56	196.64	160.12	131.15	105.22	91.59	78.24
360.0	439.15	294.19	215.60	172.52	134.43	112.48	97.97	84.21	75.20

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	67.89	61.51	55.13	51.32	47.93	45.30	42.49	40.61	39.03
45.0	81.35	71.28	64.43	58.70	54.13	49.45	46.29	43.72	41.67
90.0	69.82	63.15	56.01	51.62	47.29	44.36	42.02	39.74	38.04
135.0	93.28	80.41	71.98	64.78	58.93	53.14	49.45	46.41	43.54
180.0	95.04	84.86	74.32	67.36	61.68	55.83	51.97	48.75	46.00
225.0	87.32	78.60	69.47	63.61	58.82	54.60	50.39	47.46	44.89
270.0	98.43	88.08	77.66	70.40	64.55	59.69	54.54	51.27	48.34
315.0	70.05	63.20	56.59	52.32	48.63	45.76	42.78	40.79	39.09
360.0	67.89	61.51	55.13	51.32	47.93	45.30	42.49	40.61	39.03

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	37.28	35.99	34.53	33.53	32.66	31.78	30.90	30.31	29.85
45.0	39.27	37.63	35.82	34.59	33.47	32.30	31.37	30.55	29.79
90.0	36.64	35.29	33.88	32.77	31.89	31.02	30.08	29.38	28.79
135.0	41.49	39.74	37.75	36.52	35.29	33.94	32.95	32.13	31.25
180.0	43.19	41.26	39.56	38.10	36.40	35.29	34.24	33.07	32.25
225.0	42.72	40.32	38.74	37.22	35.58	34.47	33.36	32.19	31.37
270.0	45.88	43.13	41.26	39.68	37.75	36.34	35.05	33.71	32.77
315.0	37.63	35.99	34.82	33.77	32.66	31.84	31.08	30.31	30.72
360.0	37.28	35.99	34.53	33.53	32.66	31.78	30.90	30.31	29.85

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	29.61	29.26	29.03	28.68	28.32	27.80	27.27	26.45	25.81
45.0	29.03	28.50	27.97	27.39	26.80	26.34	25.87	25.28	24.87
90.0	28.09	27.56	27.10	26.51	26.04	25.46	25.05	24.58	24.11
135.0	30.37	29.79	29.26	28.79	28.15	27.62	27.10	26.45	25.93
180.0	31.31	30.72	30.31	29.85	29.20	28.68	28.09	27.51	26.80
225.0	30.49	30.08	29.61	29.20	28.73	28.15	27.56	26.86	26.22
270.0	31.78	31.54	31.31	30.90	30.49	29.79	29.20	28.62	27.86
315.0	31.08	31.08	30.78	30.43	30.02	29.32	28.85	28.44	26.69
360.0	29.61	29.26	29.03	28.68	28.32	27.80	27.27	26.45	25.81

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	25.22	24.29	23.76	23.17	22.53	22.06	21.59	21.13	20.54
45.0	24.35	23.88	23.47	22.88	22.47	21.95	21.48	20.89	20.42
90.0	23.70	23.17	22.71	22.30	21.83	21.30	20.83	20.37	19.78
135.0	25.28	24.81	24.40	23.76	23.29	22.88	22.30	21.77	21.24
180.0	26.16	25.63	25.05	24.64	24.11	23.53	23.06	22.53	21.95
225.0	25.57	25.05	24.46	23.82	23.23	22.59	22.06	21.48	20.83
270.0	26.86	26.16	25.28	24.58	23.94	23.12	22.53	22.00	21.30
315.0	25.28	24.58	23.99	23.23	22.59	21.89	21.36	20.83	20.25
360.0	25.22	24.29	23.76	23.17	22.53	22.06	21.59	21.13	20.54

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	20.07	19.61	19.20	18.84	18.49	17.73	17.26	16.74	16.56
45.0	19.96	19.43	19.02	18.55	18.20	17.85	17.32	16.91	16.62
90.0	19.37	18.96	18.55	18.14	17.73	17.26	16.97	16.74	16.44
135.0	20.72	20.07	19.66	19.08	18.67	18.20	17.62	17.26	16.97
180.0	21.42	20.89	20.42	19.96	19.49	18.84	18.26	17.97	17.85
225.0	20.37	19.90	19.43	18.96	18.38	17.73	17.38	17.15	16.91
270.0	20.72	20.13	19.72	19.20	18.67	17.97	17.44	17.09	16.85
315.0	19.78	19.31	18.96	18.55	17.97	17.26	16.97	16.62	16.44
360.0	20.07	19.61	19.20	18.84	18.49	17.73	17.26	16.74	16.56

Intensity data(cd)

C/γ(°)	90.0
0.0	16.56
45.0	16.56
90.0	16.44
135.0	16.62
180.0	17.03
225.0	16.56
270.0	16.56
315.0	16.44
360.0	16.56