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NT

Client:
LumCAT: 2-2518-L
Luminaire: 92.70.412.00
Report No: 2024813-B029
Ballast type: AC

Test No: 2024813-C029	Voltage(V): 35.050
LampCAT: TRIDONIC SLE G7 15MM	Current(A): 0.702
Lamp flux(lm): 4107.0	Power (W): 24.605
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 3799.36, Efficiency(%): 92.51% , Luminous Efficacy(lm/W): 154.41
Central intensity(cd): 18749.730, Maximum intensity(cd): 18749.730
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=19.2
[C90/270]Total=19.2
Field angle(10%Imax): [C0/180]Total=48.4
[C90/270]Total=48.4
Maximum s/h(1/2): C0_180=0.33 C90_270=0.33
Maximum s/h(1/4): C0_180=0.36 C90_270=0.36
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 92.51%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 97.883%

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	18749.730	0.000	0	0.00%	0.00%
1.0	18597.572	17.870	17.87	0.44%	0.47%
2.0	18151.340	52.746	70.616	1.28%	1.86%
3.0	17478.330	85.214	155.83	2.07%	4.10%
4.0	16563.916	113.950	269.78	2.77%	7.10%
5.0	15065.747	136.069	405.849	3.31%	10.68%
6.0	13484.191	150.038	555.887	3.65%	14.63%
7.0	12528.087	161.458	717.345	3.93%	18.88%
8.0	11454.784	171.641	888.986	4.18%	23.40%
9.0	10076.287	174.498	1063.483	4.25%	27.99%
10.0	8855.508	171.326	1234.809	4.17%	32.50%
11.0	7699.542	165.419	1400.228	4.03%	36.85%
12.0	6713.877	157.559	1557.787	3.84%	41.00%
13.0	5844.598	149.037	1706.825	3.63%	44.92%
14.0	5196.974	141.331	1848.156	3.44%	48.64%
15.0	4594.558	134.423	1982.578	3.27%	52.18%
16.0	4147.665	128.098	2110.676	3.12%	55.55%
17.0	3742.689	122.874	2233.55	2.99%	58.79%
18.0	3389.799	117.599	2351.15	2.86%	61.88%
19.0	3087.311	112.688	2463.838	2.74%	64.85%
20.0	2829.007	108.285	2572.123	2.64%	67.70%
21.0	2674.581	105.680	2677.803	2.57%	70.48%
22.0	2413.804	102.253	2780.056	2.49%	73.17%
23.0	2100.943	94.732	2874.788	2.31%	75.67%
24.0	1904.234	87.568	2962.356	2.13%	77.97%
25.0	1726.619	82.558	3044.913	2.01%	80.14%
26.0	1455.228	75.108	3120.021	1.83%	82.12%
27.0	1323.764	67.989	3188.01	1.66%	83.91%
28.0	1196.368	63.804	3251.814	1.55%	85.59%
29.0	1045.395	58.651	3310.465	1.43%	87.13%
30.0	901.854	52.575	3363.04	1.28%	88.52%
31.0	767.866	46.466	3409.506	1.13%	89.74%
32.0	656.644	40.811	3450.317	0.99%	90.81%
33.0	549.204	35.525	3485.842	0.86%	91.75%
34.0	449.658	30.229	3516.07	0.74%	92.54%
35.0	370.813	25.481	3541.551	0.62%	93.21%
36.0	305.107	21.521	3563.072	0.52%	93.78%
37.0	257.360	18.345	3581.417	0.45%	94.26%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	219.525	15.918	3597.335	0.39%	94.68%
39.0	171.434	13.345	3610.679	0.32%	95.03%
40.0	134.704	10.677	3621.356	0.26%	95.32%
41.0	114.068	8.859	3630.215	0.22%	95.55%
42.0	97.894	7.701	3637.916	0.19%	95.75%
43.0	86.372	6.826	3644.741	0.17%	95.93%
44.0	77.718	6.193	3650.935	0.15%	96.09%
45.0	70.776	5.707	3656.641	0.14%	96.24%
46.0	65.406	5.326	3661.967	0.13%	96.38%
47.0	60.783	5.019	3666.986	0.12%	96.52%
48.0	56.862	4.756	3671.742	0.12%	96.64%
49.0	53.658	4.539	3676.28	0.11%	96.76%
50.0	50.907	4.360	3680.64	0.11%	96.88%
51.0	48.457	4.204	3684.844	0.10%	96.99%
52.0	46.364	4.069	3688.913	0.10%	97.09%
53.0	44.762	3.964	3692.877	0.10%	97.20%
54.0	43.190	3.877	3696.753	0.09%	97.30%
55.0	41.939	3.800	3700.553	0.09%	97.40%
56.0	40.834	3.740	3704.294	0.09%	97.50%
57.0	39.934	3.693	3707.987	0.09%	97.60%
58.0	39.239	3.661	3711.648	0.09%	97.69%
59.0	38.683	3.643	3715.291	0.09%	97.79%
60.0	38.266	3.635	3718.926	0.09%	97.88%
61.0	37.908	3.635	3722.561	0.09%	97.98%
62.0	37.579	3.637	3726.199	0.09%	98.07%
63.0	37.264	3.640	3729.839	0.09%	98.17%
64.0	36.672	3.628	3733.467	0.09%	98.27%
65.0	35.830	3.588	3737.055	0.09%	98.36%
66.0	34.755	3.522	3740.577	0.09%	98.45%
67.0	33.526	3.433	3744.01	0.08%	98.54%
68.0	32.217	3.330	3747.34	0.08%	98.63%
69.0	30.936	3.222	3750.562	0.08%	98.72%
70.0	29.759	3.117	3753.679	0.08%	98.80%
71.0	28.479	3.010	3756.689	0.07%	98.88%
72.0	27.235	2.897	3759.586	0.07%	98.95%
73.0	25.999	2.784	3762.37	0.07%	99.03%
74.0	24.748	2.668	3765.038	0.06%	99.10%
75.0	23.694	2.559	3767.597	0.06%	99.16%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	22.860	2.471	3770.069	0.06%	99.23%
77.0	22.246	2.405	3772.473	0.06%	99.29%
78.0	21.697	2.352	3774.826	0.06%	99.35%
79.0	21.156	2.302	3777.128	0.06%	99.41%
80.0	20.651	2.254	3779.382	0.05%	99.47%
81.0	20.139	2.206	3781.588	0.05%	99.53%
82.0	19.649	2.158	3783.746	0.05%	99.59%
83.0	19.195	2.112	3785.857	0.05%	99.64%
84.0	18.742	2.067	3787.924	0.05%	99.70%
85.0	18.347	2.024	3789.948	0.05%	99.75%
86.0	17.732	1.972	3791.92	0.05%	99.80%
87.0	17.308	1.918	3793.838	0.05%	99.85%
88.0	16.920	1.875	3795.713	0.05%	99.90%
89.0	16.576	1.836	3797.549	0.04%	99.95%
90.0	16.372	1.806	3799.356	0.04%	100.00%

Zonal flux distribution table

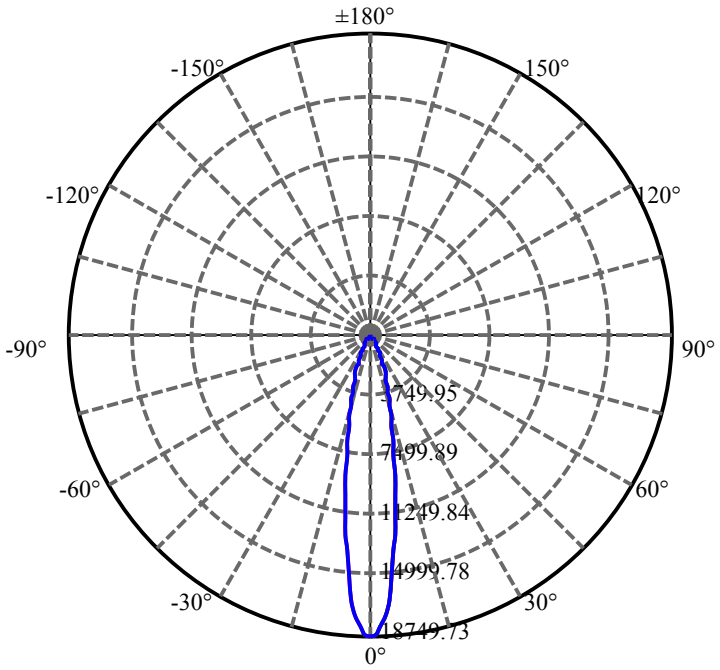
ZONAL LUMEN SUMMARY

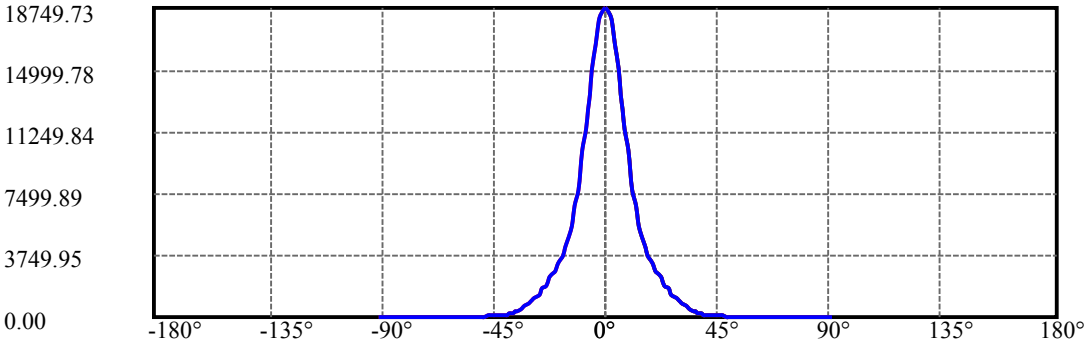
Zone	Lumens	%Lamp	%Fixt
0-30	3363.04	81.89%	88.52%
0-40	3621.36	88.18%	95.32%
0-60	3718.93	90.55%	97.88%
0-90	3797.55	92.47%	99.95%
0-120	3797.55	92.47%	99.95%
0-180	3799.36	92.51%	100.00%
60-90	78.62	1.91%	2.07%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-24.93	3039.48	74.01%	80.00%

ZONAL LUMEN SUMMARY

0-10	1234.81
10-20	1337.31
20-30	790.92
30-40	258.32
40-50	59.28
50-60	38.29
60-70	34.75
70-80	25.70
80-90	18.17
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):

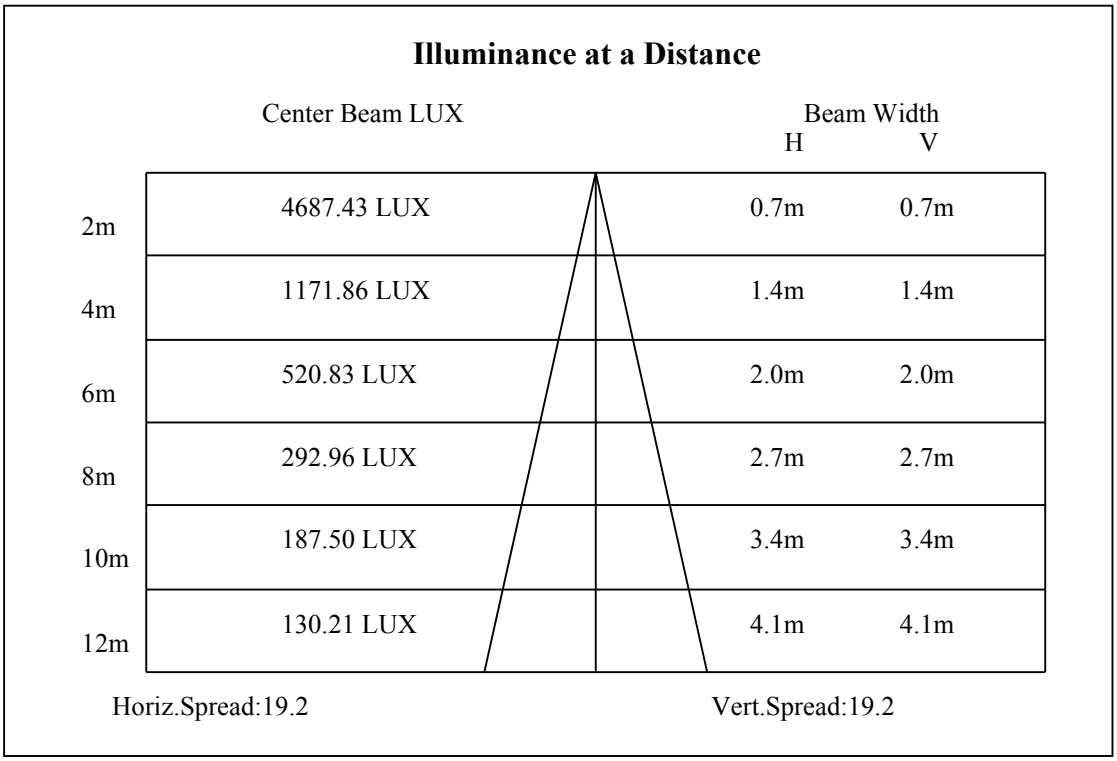
C0/C180:

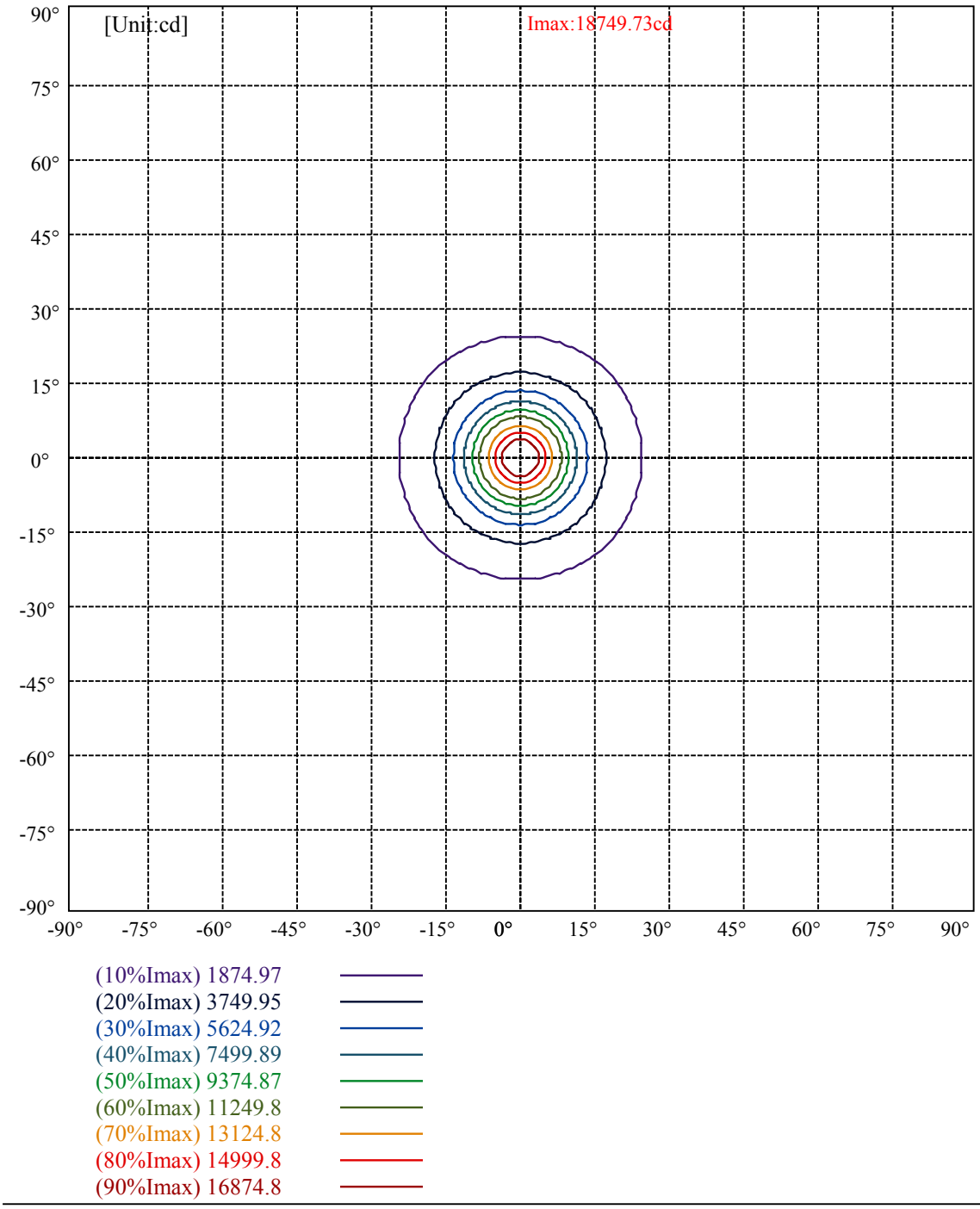
C90/C270:

Field angle(10%Imax):C0/180Left:24.2 Right:24.2
:C90/270Left:24.2 Right:24.2

Beam Angle(50%Imax):C0/180Left:9.6 Right:9.6
:C90/270Left:9.6 Right:9.6

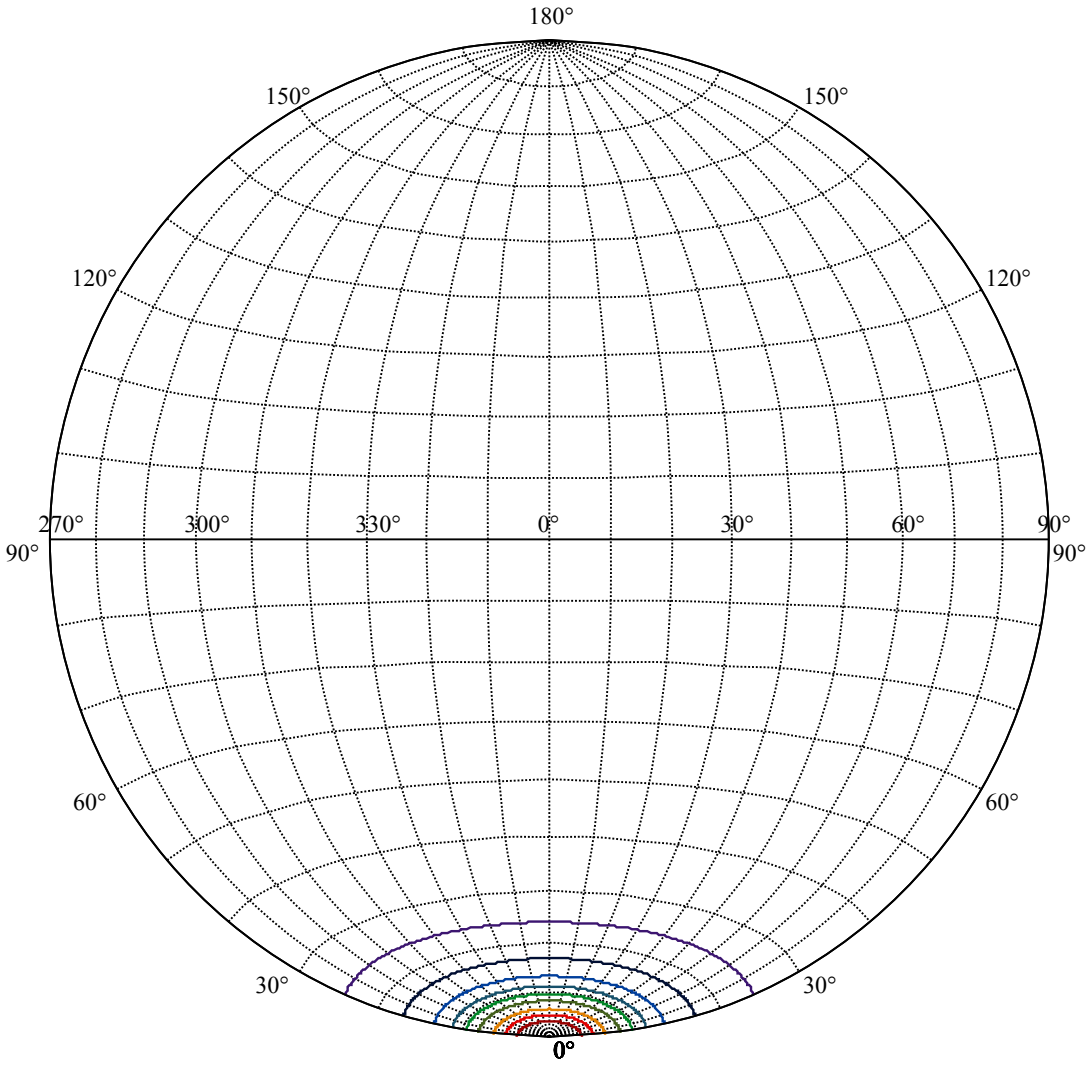
Lux distance Curve





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



[Unit:cd]

Imax:18749.73

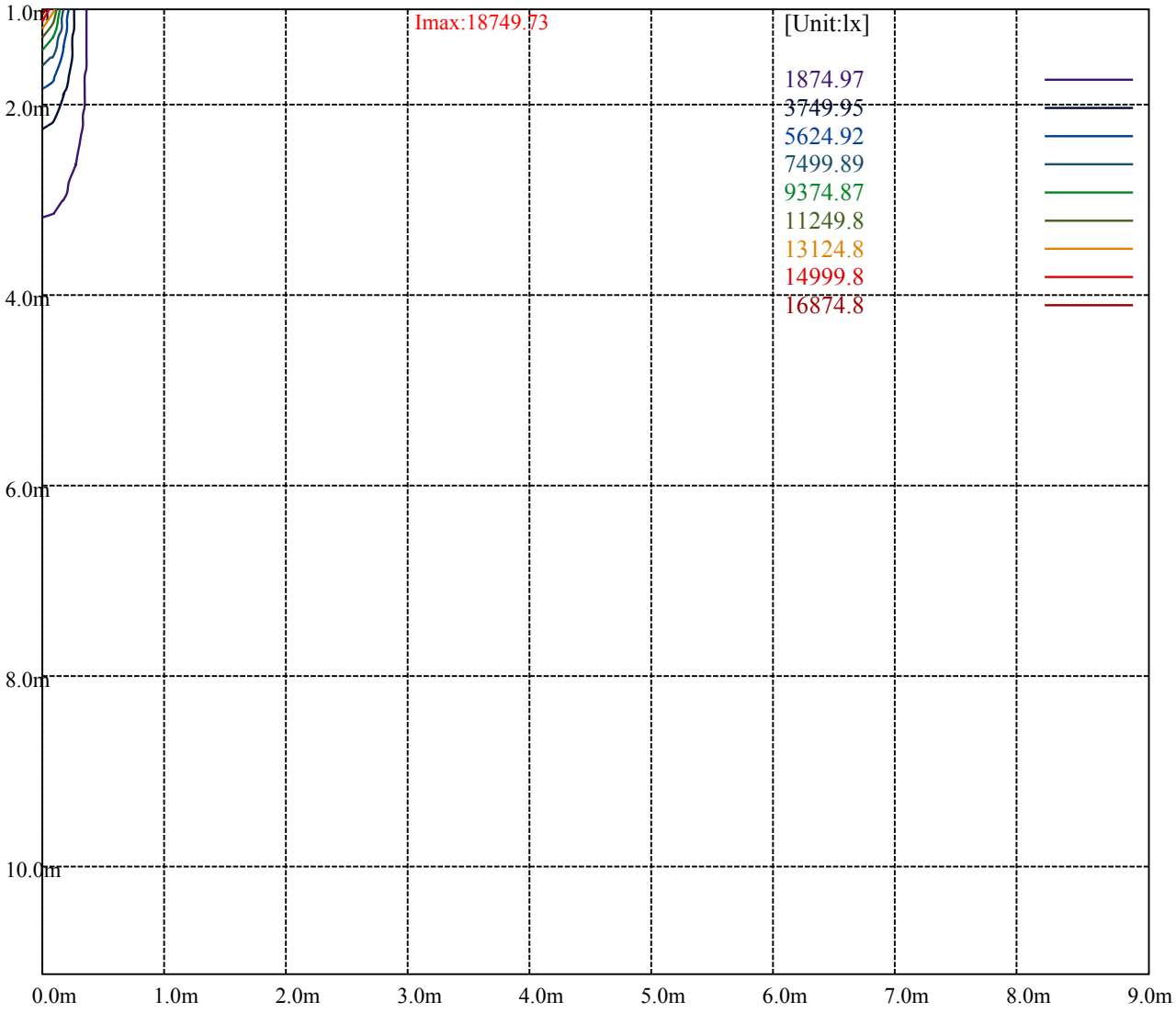
(10%Imax) 1874.97
(20%Imax) 3749.95
(30%Imax) 5624.92
(40%Imax) 7499.89
(50%Imax) 9374.87
(60%Imax) 11249.8
(70%Imax) 13124.8
(80%Imax) 14999.8
(90%Imax) 16874.8

Equipment: GMS1980
Temperature(°C): 25.0

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

Operator: NT07
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

NT 2-2518-L

Luminance Limitting Curve(no luminous side)

Luminance Table

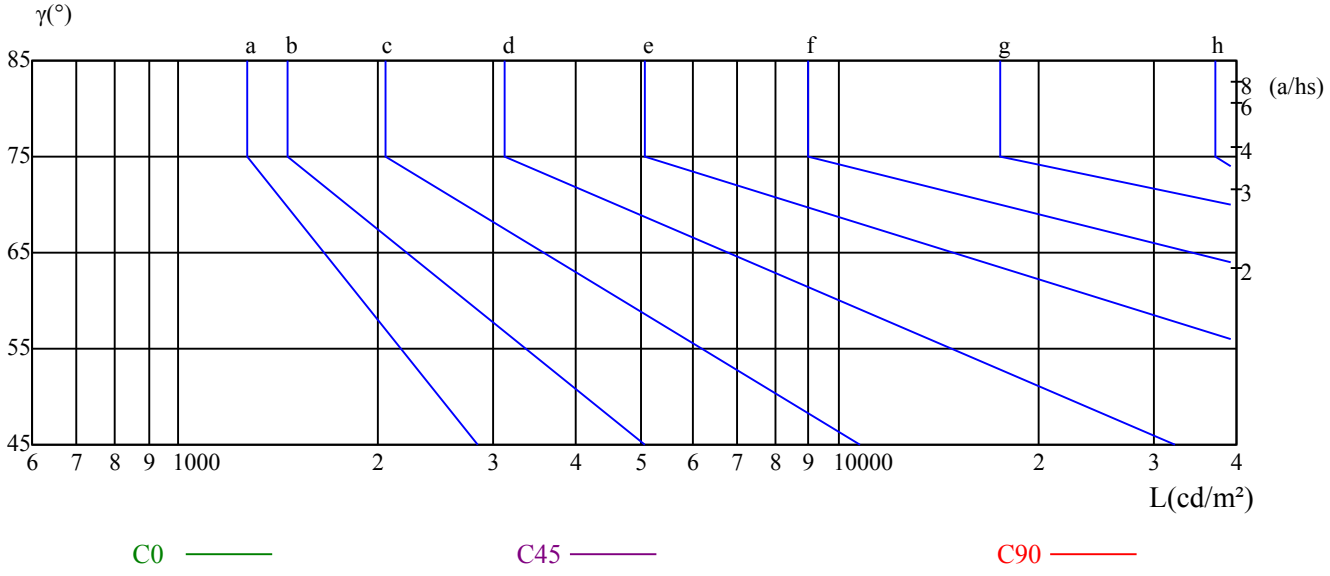
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

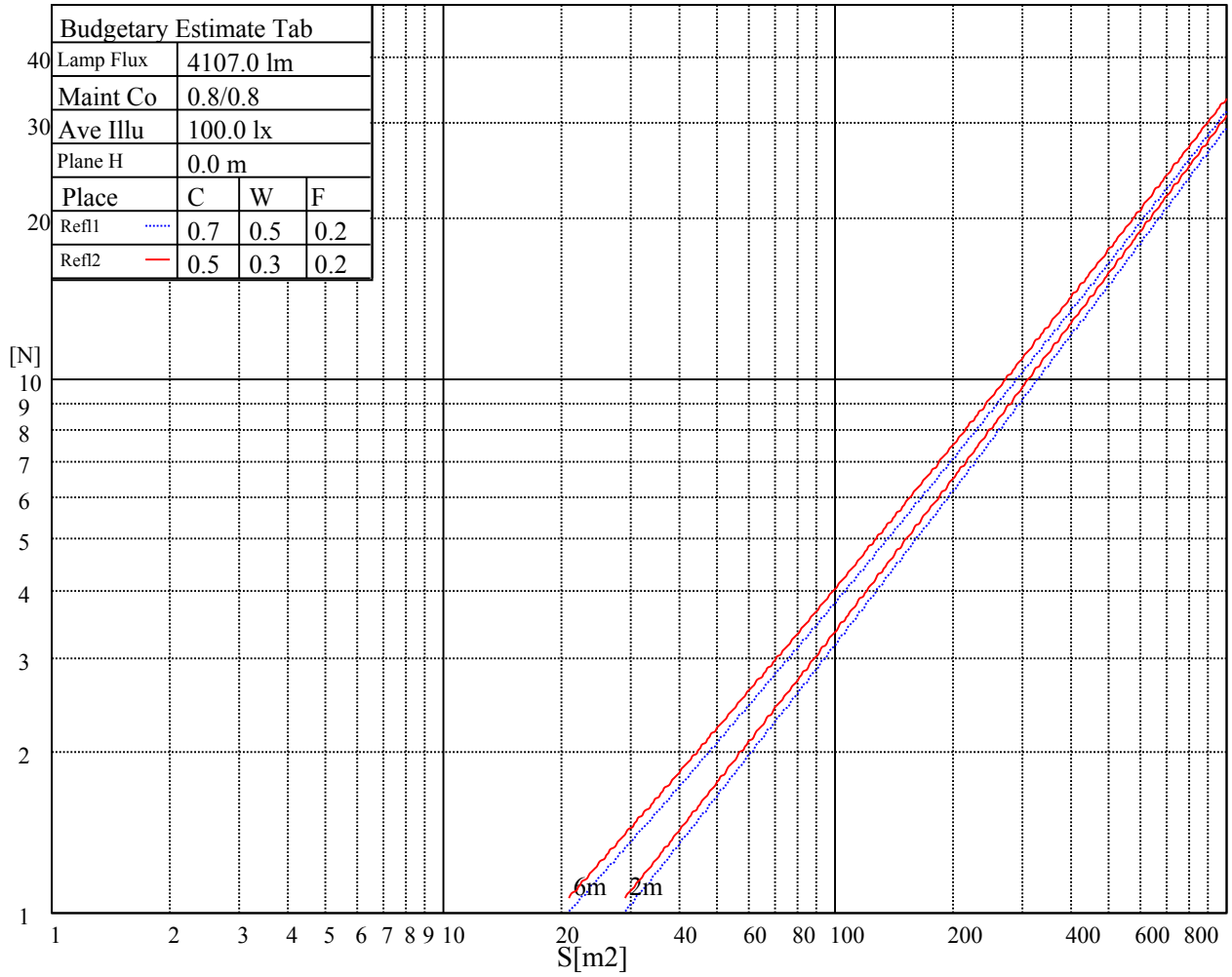
Luminance Limitting Curve



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 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

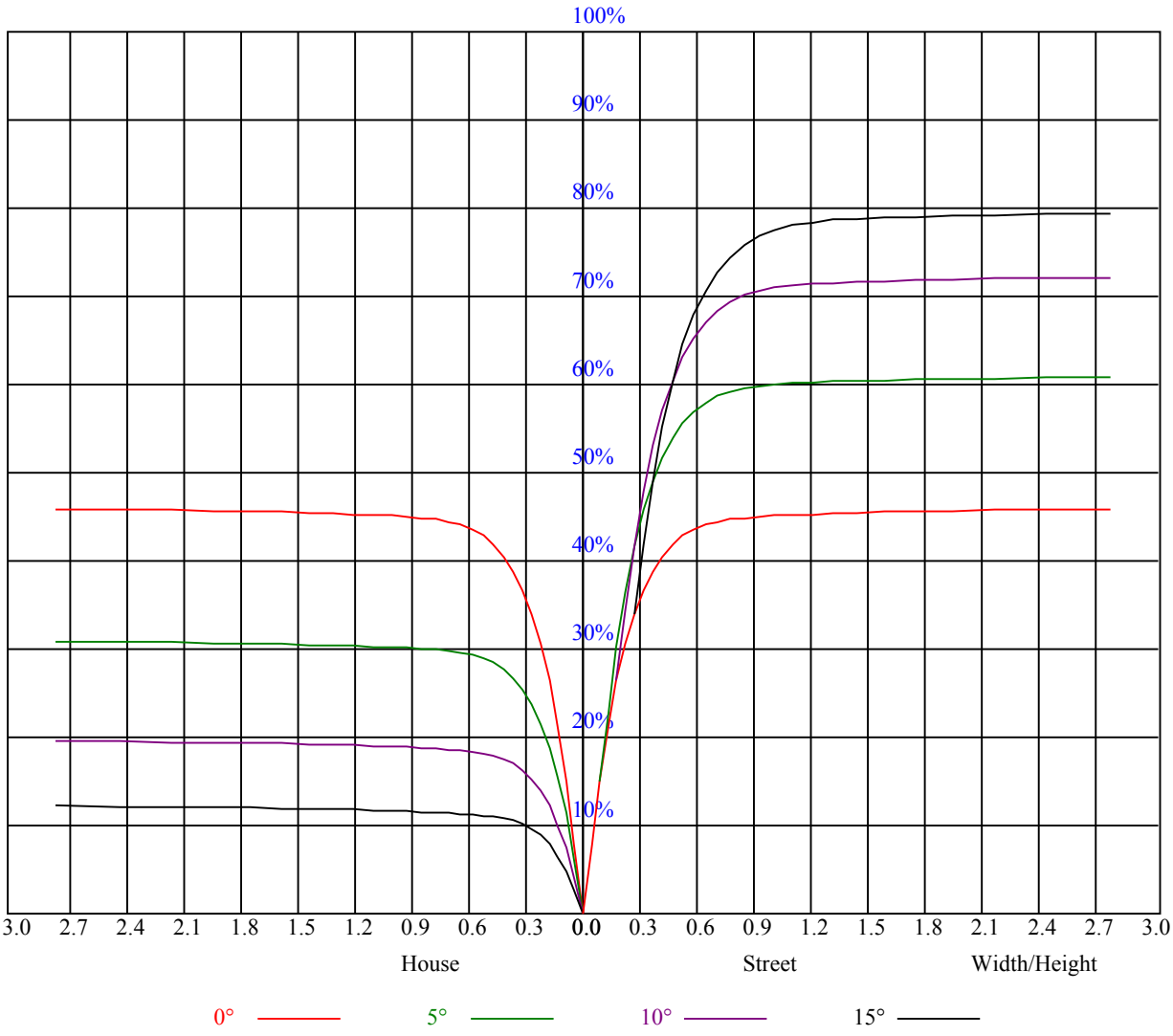


Equipment: GMS1980 Date: 2024/8/13 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

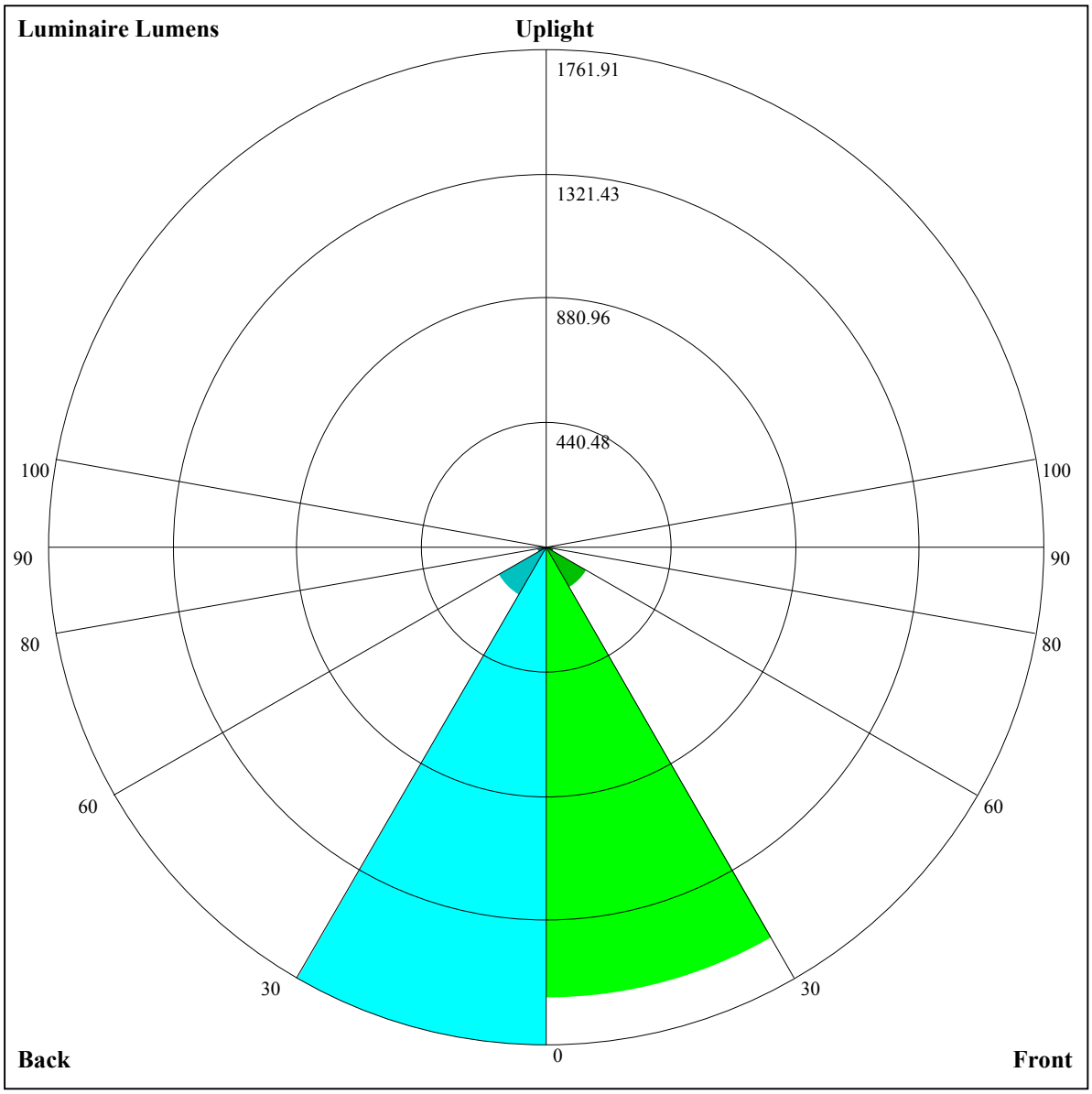
Utilization factor table for indoor luminaire

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	1.10	1.10	1.10	1.08	1.08	1.08	1.03	1.03	1.03	0.98	0.98	0.98	0.94	0.94	0.94	0.93
1	1.03	1.01	1.00	1.02	1.00	0.98	0.98	0.96	0.95	0.94	0.93	0.92	0.91	0.90	0.90	0.88
2	0.98	0.95	0.92	0.96	0.94	0.91	0.93	0.91	0.89	0.91	0.89	0.87	0.88	0.87	0.85	0.84
3	0.93	0.89	0.86	0.92	0.88	0.86	0.90	0.87	0.84	0.87	0.85	0.83	0.85	0.83	0.82	0.80
4	0.89	0.85	0.82	0.88	0.84	0.81	0.86	0.83	0.80	0.84	0.82	0.79	0.83	0.80	0.78	0.77
5	0.85	0.81	0.78	0.84	0.80	0.77	0.83	0.79	0.77	0.81	0.78	0.76	0.80	0.77	0.75	0.74
6	0.82	0.77	0.74	0.81	0.77	0.74	0.80	0.76	0.74	0.79	0.76	0.73	0.78	0.75	0.73	0.72
7	0.79	0.74	0.71	0.78	0.74	0.71	0.77	0.73	0.71	0.76	0.73	0.70	0.75	0.72	0.70	0.69
8	0.76	0.72	0.69	0.75	0.71	0.69	0.75	0.71	0.68	0.74	0.70	0.68	0.73	0.70	0.68	0.67
9	0.73	0.69	0.66	0.73	0.69	0.66	0.72	0.69	0.66	0.72	0.68	0.66	0.71	0.68	0.66	0.65
10	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	0.64	0.63

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=1598.2,FM=164.3,FH=29.03,FVH=9.88
BL=1761.91,BM=194.53,BH=31.51,BVH=10.1
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	18666.34	18046.00	17308.61	16378.11	15307.15	11585.17	11585.17	11265.64	10010.92
45.0	18871.17	18789.23	18291.79	17642.19	16752.65	15488.56	14306.41	12726.30	11468.07
90.0	18853.61	18596.11	17911.40	17121.34	16173.28	15008.68	11445.30	11445.30	10791.61
135.0	18607.81	18935.54	18853.61	18426.39	17770.94	16881.40	15500.27	14259.59	12995.51
180.0	18666.34	18912.13	18853.61	18426.39	17829.46	17016.00	15675.84	14435.16	13159.37
225.0	18871.17	18613.67	18163.04	17472.48	16582.94	15517.83	13135.96	11389.71	11389.71
270.0	18853.61	18806.79	18455.66	17870.43	16934.07	15962.60	14844.82	13323.23	12018.18
315.0	18607.81	18081.11	17372.99	16489.30	15160.84	13065.73	11379.76	11379.76	9804.92
360.0	18666.34	18046.00	17308.61	16378.11	15307.15	11585.17	11585.17	11265.64	10010.92

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	8554.29	7527.81	6635.92	5686.69	5082.15	4581.20	4054.50	3703.95	3396.12
45.0	10168.87	8963.31	7863.08	6680.93	5885.02	5212.01	4673.61	4129.35	3766.51
90.0	9512.31	8316.69	7017.49	6134.97	5397.59	4792.47	4206.66	3833.28	3430.65
135.0	11333.47	10051.82	8869.67	7781.15	6587.29	5797.24	5165.20	4626.79	4094.23
180.0	11538.30	10250.80	9068.65	7962.57	6780.42	6002.07	5352.47	4814.06	4246.39
225.0	10111.58	8636.81	7586.33	6664.60	5706.59	5095.03	4471.76	4072.05	3715.65
270.0	10759.95	9519.27	8079.62	7073.03	6195.19	5481.22	4755.54	4287.36	3889.41
315.0	8631.54	7577.55	6475.57	5727.07	5122.53	4614.56	4076.74	3714.48	3402.56
360.0	8554.29	7527.81	6635.92	5686.69	5082.15	4581.20	4054.50	3703.95	3396.12

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	3040.89	2777.54	2534.08	2316.96	2072.34	1889.75	1714.18	1544.47	1144.17
45.0	3456.34	3105.20	2976.45	2976.45	2339.79	2136.13	1903.21	1732.32	1560.85
90.0	3144.47	2811.48	2568.61	2350.91	2147.83	1916.09	1741.69	1577.83	1144.11
135.0	3748.95	3444.63	3093.50	2953.05	2953.05	2316.96	2118.57	1934.23	1711.26
180.0	3866.00	3544.12	3163.73	3011.57	3011.57	2370.22	2163.64	1974.02	1758.07
225.0	3328.23	3048.50	2785.73	2545.79	2331.59	2089.31	1905.55	1732.91	1563.78
270.0	3485.60	3187.14	2982.31	2982.31	2390.12	2196.41	2006.21	1796.70	1625.23
315.0	3047.91	2779.88	2527.65	2259.61	2064.15	1892.68	1680.82	1520.47	1134.34
360.0	3040.89	2777.54	2534.08	2316.96	2072.34	1889.75	1714.18	1544.47	1144.17

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1144.17	1035.15	865.08	748.56	643.75	520.03	433.36	340.31	278.74
45.0	1395.23	1193.33	1042.34	903.65	780.75	670.14	539.64	447.17	368.75
90.0	1144.11	1072.48	936.30	810.60	670.20	564.10	470.52	369.80	303.56
135.0	1540.96	1370.66	1214.99	1031.22	894.87	777.24	672.48	548.41	460.05
180.0	1591.87	1432.69	1236.05	1083.31	938.76	815.86	678.33	580.02	491.65
225.0	1167.52	1167.52	1057.38	886.09	768.34	659.72	534.25	446.76	353.30
270.0	1471.90	1274.68	1124.86	983.82	812.35	708.77	613.37	489.31	414.98
315.0	1134.34	1024.44	886.15	767.58	633.92	537.30	451.68	375.48	295.48
360.0	1144.17	1035.15	865.08	748.56	643.75	520.03	433.36	340.31	278.74

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	228.35	187.56	147.18	122.96	105.34	91.88	80.18	73.15	67.18
45.0	301.45	301.45	185.69	143.85	120.03	98.03	85.68	76.84	70.11
90.0	236.26	195.06	161.41	135.13	111.84	97.85	87.55	79.53	71.69
135.0	383.97	305.55	305.55	197.98	165.79	139.93	119.39	99.66	88.19
180.0	413.81	333.05	305.55	305.55	184.35	155.32	126.88	110.37	97.73
225.0	292.44	241.00	199.33	158.30	133.49	115.17	101.19	88.90	81.46
270.0	341.83	296.18	296.18	179.02	148.65	124.71	102.71	90.30	80.82
315.0	242.75	199.04	155.32	128.69	108.15	89.66	79.59	72.22	64.55
360.0	228.35	187.56	147.18	122.96	105.34	91.88	80.18	73.15	67.18

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	61.16	57.12	53.67	50.10	47.64	45.53	43.13	41.55	40.26
45.0	63.03	58.52	54.89	51.50	48.05	45.76	43.72	41.43	40.15
90.0	66.60	62.27	57.88	55.01	52.38	49.63	47.70	45.59	44.07
135.0	80.29	73.80	67.59	63.15	59.52	56.47	53.02	50.80	48.81
180.0	88.19	79.18	73.56	68.65	64.37	59.87	56.88	54.25	51.97
225.0	75.20	70.29	65.02	61.27	57.47	54.84	52.55	50.10	48.11
270.0	72.10	66.48	61.57	56.94	53.96	51.44	48.75	47.17	45.88
315.0	59.63	55.60	52.09	48.28	45.88	43.72	41.90	40.03	38.86
360.0	61.16	57.12	53.67	50.10	47.64	45.53	43.13	41.55	40.26

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	39.15	38.16	37.57	37.10	36.93	36.75	36.40	35.93	35.52
45.0	39.03	37.86	37.10	36.40	35.87	35.46	35.23	35.05	34.82
90.0	42.78	41.49	40.50	39.39	38.80	38.39	38.22	38.27	38.68
135.0	46.58	45.24	43.60	42.55	41.73	40.91	40.50	40.20	40.15
180.0	49.16	47.11	45.24	44.07	43.01	41.79	41.08	40.56	40.09
225.0	46.41	44.95	43.48	42.31	41.32	40.67	40.03	39.44	38.62
270.0	44.59	43.77	42.90	41.79	40.56	39.91	39.50	38.92	38.16
315.0	37.81	36.93	36.28	35.87	35.70	35.58	35.17	34.88	34.59
360.0	39.15	38.16	37.57	37.10	36.93	36.75	36.40	35.93	35.52

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	34.76	33.30	32.25	31.08	29.61	28.21	27.21	26.22	25.40
45.0	34.76	34.41	33.94	33.18	32.60	31.89	30.49	29.55	27.62
90.0	39.03	38.98	38.33	37.57	36.58	34.94	33.53	32.60	29.96
135.0	40.73	41.32	41.38	40.73	39.97	39.27	38.10	36.34	35.29
180.0	39.44	39.33	38.86	37.98	36.58	35.58	34.18	32.60	32.01
225.0	37.86	36.93	34.94	33.36	31.78	29.73	28.44	27.39	26.34
270.0	37.51	36.52	35.35	33.77	32.13	30.55	29.03	27.80	26.39
315.0	34.00	32.60	31.60	30.37	28.97	27.56	26.51	25.57	24.81
360.0	34.76	33.30	32.25	31.08	29.61	28.21	27.21	26.22	25.40

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	24.46	23.88	23.29	22.77	22.12	21.65	21.07	20.54	20.07
45.0	26.22	25.11	24.05	23.29	22.71	22.18	21.59	21.13	20.66
90.0	27.10	25.40	24.35	23.47	22.77	22.06	21.59	21.07	20.42
135.0	34.88	32.66	28.91	26.28	24.29	23.47	22.88	22.30	21.65
180.0	30.49	28.38	26.86	25.22	24.17	23.41	22.82	22.18	21.65
225.0	25.46	24.58	23.88	23.23	22.53	22.00	21.54	20.89	20.42
270.0	25.34	24.58	23.94	23.12	22.59	22.06	21.48	21.01	20.60
315.0	23.94	23.41	22.71	22.18	21.71	21.13	20.60	20.13	19.72
360.0	24.46	23.88	23.29	22.77	22.12	21.65	21.07	20.54	20.07

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	19.61	19.20	18.84	18.43	18.14	17.56	17.15	16.74	16.44
45.0	20.19	19.66	19.20	18.73	18.38	17.85	17.32	16.91	16.56
90.0	20.01	19.49	19.08	18.67	18.26	17.44	17.03	16.74	16.33
135.0	21.13	20.48	20.01	19.43	19.08	18.38	17.62	17.26	16.85
180.0	21.13	20.60	20.07	19.55	19.14	18.20	17.79	17.38	17.03
225.0	20.01	19.55	19.08	18.67	18.08	17.67	17.38	16.97	16.56
270.0	19.90	19.49	18.90	18.49	18.08	17.56	17.26	16.85	16.50
315.0	19.14	18.73	18.38	17.97	17.62	17.21	16.91	16.50	16.33
360.0	19.61	19.20	18.84	18.43	18.14	17.56	17.15	16.74	16.44

Intensity data(cd)

C/γ(°)	90.0
0.0	16.44
45.0	16.33
90.0	16.21
135.0	16.44
180.0	16.50
225.0	16.39
270.0	16.33
315.0	16.33
360.0	16.44