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NT

Client:
LumCAT: 2-2755-L
Luminaire: 92.70.412.00
Report No: 2024813-B022
Ballast type: AC

Test No: 2024813-C022	Voltage(V): 35.090
LampCAT: TRIDONIC SLE G7 15MM	Current(A): 0.702
Lamp flux(lm): 4107.0	Power (W): 24.633
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 3868.79, Efficiency(%): 94.20% , Luminous Efficacy(lm/W): 157.06
Central intensity(cd): 14163.030, Maximum intensity(cd): 14163.030
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=24.4
[C90/270]Total=24.4
Field angle(10%Imax): [C0/180]Total=55.2
[C90/270]Total=55.2
Maximum s/h(1/2): C0_180=0.41 C90_270=0.41
Maximum s/h(1/4): C0_180=0.43 C90_270=0.43
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 94.20%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 97.966%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	14163.030	0.000	0	0.00%	0.00%
1.0	14070.126	13.509	13.509	0.33%	0.35%
2.0	13879.196	40.116	53.625	0.98%	1.39%
3.0	13544.886	65.589	119.214	1.60%	3.08%
4.0	12748.929	88.014	207.228	2.14%	5.36%
5.0	12319.381	107.843	315.07	2.63%	8.14%
6.0	11834.230	126.934	442.004	3.09%	11.42%
7.0	11156.320	142.702	584.706	3.47%	15.11%
8.0	10400.575	154.279	738.985	3.76%	19.10%
9.0	9602.547	162.114	901.099	3.95%	23.29%
10.0	8797.058	166.510	1067.609	4.05%	27.60%
11.0	8004.810	167.885	1235.494	4.09%	31.93%
12.0	7229.899	166.537	1402.031	4.05%	36.24%
13.0	6476.495	162.660	1564.691	3.96%	40.44%
14.0	5739.185	156.360	1721.051	3.81%	44.49%
15.0	5109.482	148.935	1869.986	3.63%	48.34%
16.0	4527.988	141.216	2011.202	3.44%	51.99%
17.0	3992.507	132.687	2143.889	3.23%	55.41%
18.0	3552.199	124.396	2268.285	3.03%	58.63%
19.0	3174.729	117.035	2385.32	2.85%	61.66%
20.0	2865.437	110.552	2495.872	2.69%	64.51%
21.0	2677.580	106.437	2602.309	2.59%	67.26%
22.0	2420.754	102.453	2704.762	2.49%	69.91%
23.0	2127.278	95.430	2800.192	2.32%	72.38%
24.0	1953.174	89.213	2889.405	2.17%	74.68%
25.0	1790.189	85.116	2974.521	2.07%	76.89%
26.0	1663.268	81.519	3056.04	1.98%	78.99%
27.0	1484.840	77.019	3133.06	1.88%	80.98%
28.0	1372.682	72.346	3205.406	1.76%	82.85%
29.0	1258.241	68.832	3274.238	1.68%	84.63%
30.0	1150.955	65.048	3339.286	1.58%	86.31%
31.0	1014.085	60.250	3399.536	1.47%	87.87%
32.0	872.673	54.053	3453.59	1.32%	89.27%
33.0	746.696	47.707	3501.297	1.16%	90.50%
34.0	621.238	41.398	3542.694	1.01%	91.57%
35.0	502.767	34.907	3577.602	0.85%	92.47%
36.0	397.514	28.665	3606.267	0.70%	93.21%
37.0	303.622	22.867	3629.134	0.56%	93.81%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	242.612	18.233	3647.367	0.44%	94.28%
39.0	191.347	14.812	3662.179	0.36%	94.66%
40.0	154.697	12.069	3674.248	0.29%	94.97%
41.0	115.684	9.628	3683.876	0.23%	95.22%
42.0	106.430	8.070	3691.946	0.20%	95.43%
43.0	98.384	7.587	3699.533	0.18%	95.63%
44.0	91.398	7.163	3706.695	0.17%	95.81%
45.0	84.945	6.777	3713.472	0.17%	95.99%
46.0	79.700	6.439	3719.911	0.16%	96.15%
47.0	74.909	6.149	3726.061	0.15%	96.31%
48.0	70.432	5.875	3731.936	0.14%	96.46%
49.0	66.899	5.640	3737.576	0.14%	96.61%
50.0	63.533	5.438	3743.014	0.13%	96.75%
51.0	60.768	5.259	3748.273	0.13%	96.88%
52.0	58.318	5.110	3753.383	0.12%	97.02%
53.0	56.364	4.989	3758.372	0.12%	97.15%
54.0	54.309	4.878	3763.25	0.12%	97.27%
55.0	52.539	4.769	3768.019	0.12%	97.40%
56.0	50.571	4.659	3772.678	0.11%	97.52%
57.0	48.705	4.539	3777.217	0.11%	97.63%
58.0	46.862	4.419	3781.637	0.11%	97.75%
59.0	45.084	4.299	3785.935	0.10%	97.86%
60.0	43.058	4.164	3790.099	0.10%	97.97%
61.0	41.075	4.015	3794.114	0.10%	98.07%
62.0	39.188	3.868	3797.982	0.09%	98.17%
63.0	37.440	3.727	3801.709	0.09%	98.27%
64.0	35.413	3.575	3805.284	0.09%	98.36%
65.0	33.687	3.420	3808.703	0.08%	98.45%
66.0	32.312	3.293	3811.996	0.08%	98.53%
67.0	30.951	3.181	3815.177	0.08%	98.61%
68.0	29.598	3.067	3818.245	0.07%	98.69%
69.0	28.405	2.959	3821.204	0.07%	98.77%
70.0	27.271	2.859	3824.063	0.07%	98.84%
71.0	26.328	2.770	3826.833	0.07%	98.92%
72.0	25.362	2.688	3829.521	0.07%	98.98%
73.0	24.470	2.606	3832.127	0.06%	99.05%
74.0	23.702	2.532	3834.659	0.06%	99.12%
75.0	23.065	2.471	3837.13	0.06%	99.18%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	22.502	2.419	3839.549	0.06%	99.24%
77.0	21.939	2.369	3841.919	0.06%	99.31%
78.0	21.390	2.319	3844.238	0.06%	99.37%
79.0	20.907	2.273	3846.511	0.06%	99.42%
80.0	20.380	2.226	3848.737	0.05%	99.48%
81.0	19.905	2.179	3850.915	0.05%	99.54%
82.0	19.481	2.136	3853.051	0.05%	99.59%
83.0	19.049	2.095	3855.146	0.05%	99.65%
84.0	18.669	2.055	3857.2	0.05%	99.70%
85.0	18.288	2.017	3859.217	0.05%	99.75%
86.0	17.923	1.979	3861.197	0.05%	99.80%
87.0	17.593	1.944	3863.14	0.05%	99.85%
88.0	17.323	1.913	3865.053	0.05%	99.90%
89.0	17.037	1.883	3866.936	0.05%	99.95%
90.0	16.781	1.854	3868.791	0.05%	100.00%

Zonal flux distribution table

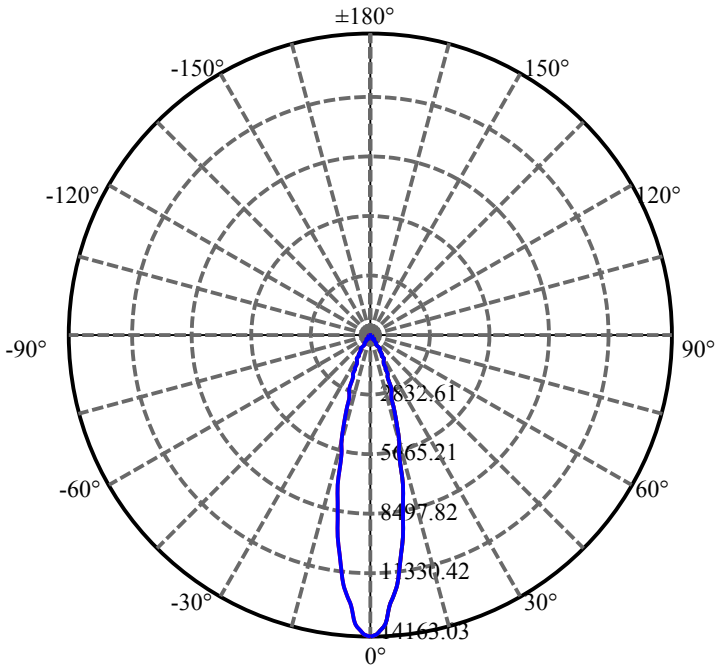
ZONAL LUMEN SUMMARY

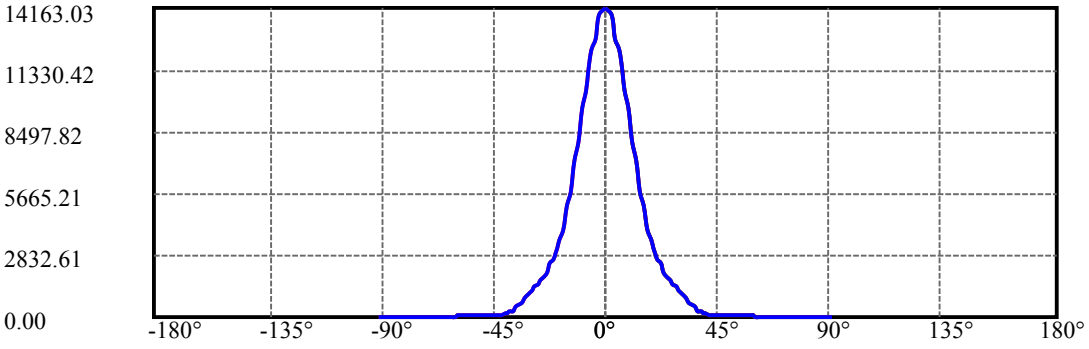
Zone	Lumens	%Lamp	%Fixt
0-30	3339.29	81.31%	86.31%
0-40	3674.25	89.46%	94.97%
0-60	3790.10	92.28%	97.97%
0-90	3866.94	94.15%	99.95%
0-120	3866.94	94.15%	99.95%
0-180	3868.79	94.20%	100.00%
60-90	76.84	1.87%	1.99%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-26.51	3095.03	75.36%	80.00%

ZONAL LUMEN SUMMARY

0-10	1067.61
10-20	1428.26
20-30	843.41
30-40	334.96
40-50	68.77
50-60	47.09
60-70	33.96
70-80	24.67
80-90	18.20
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):

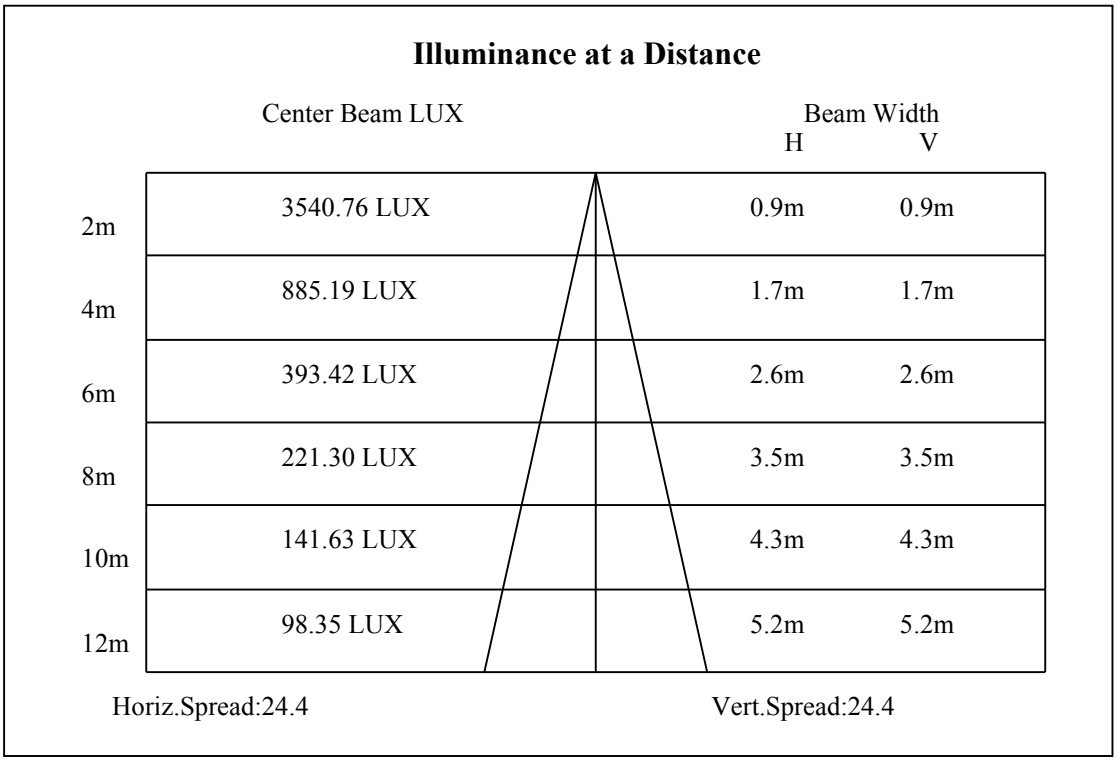
C0/C180:

C90/C270:

Field angle(10%Imax):C0/180Left:27.6 Right:27.6
:C90/270Left:27.6 Right:27.6

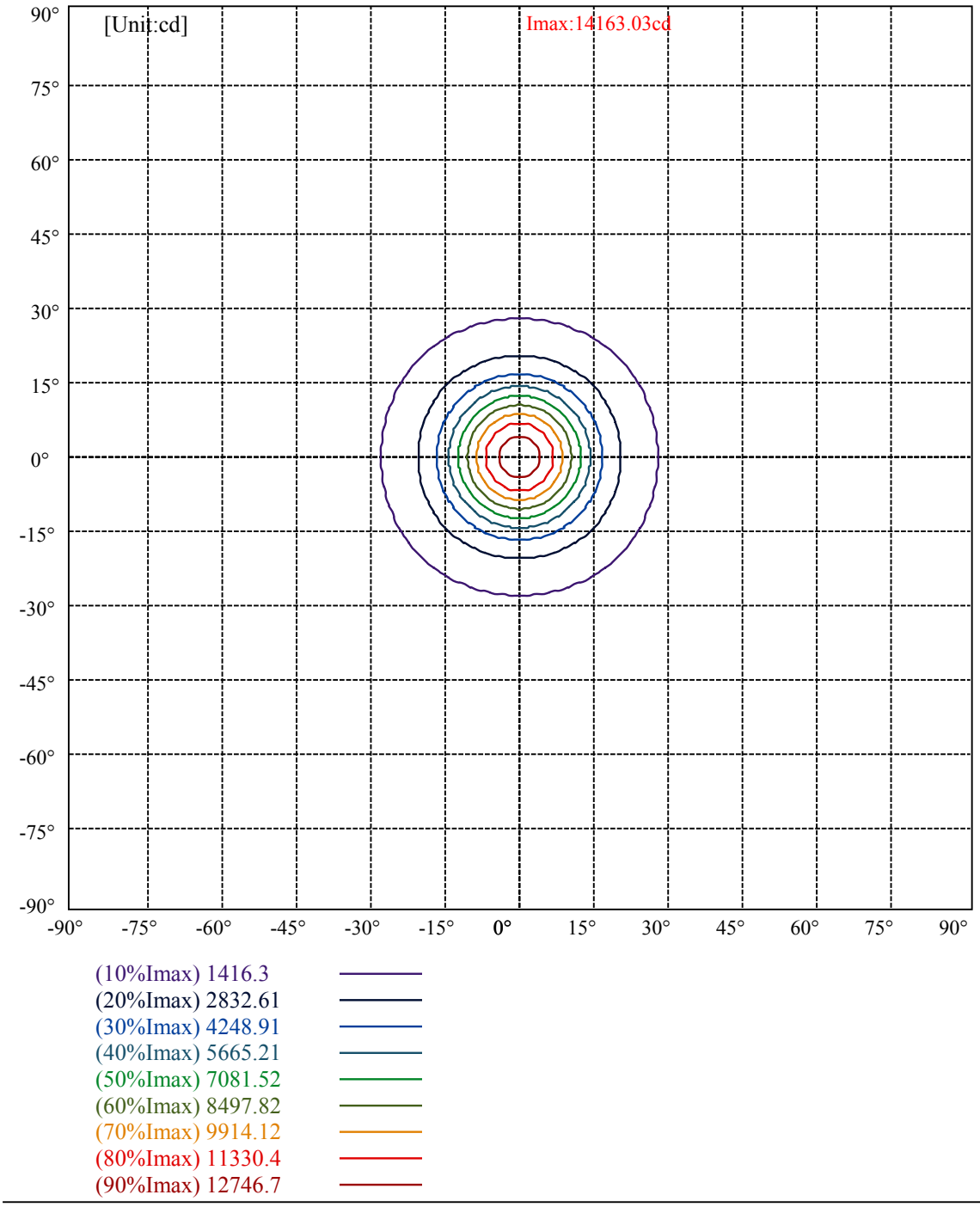
Beam Angle(50%Imax):C0/180Left:12.2 Right:12.2
:C90/270Left:12.2 Right:12.2

Lux distance Curve



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

ISO-Intensity(V-H)

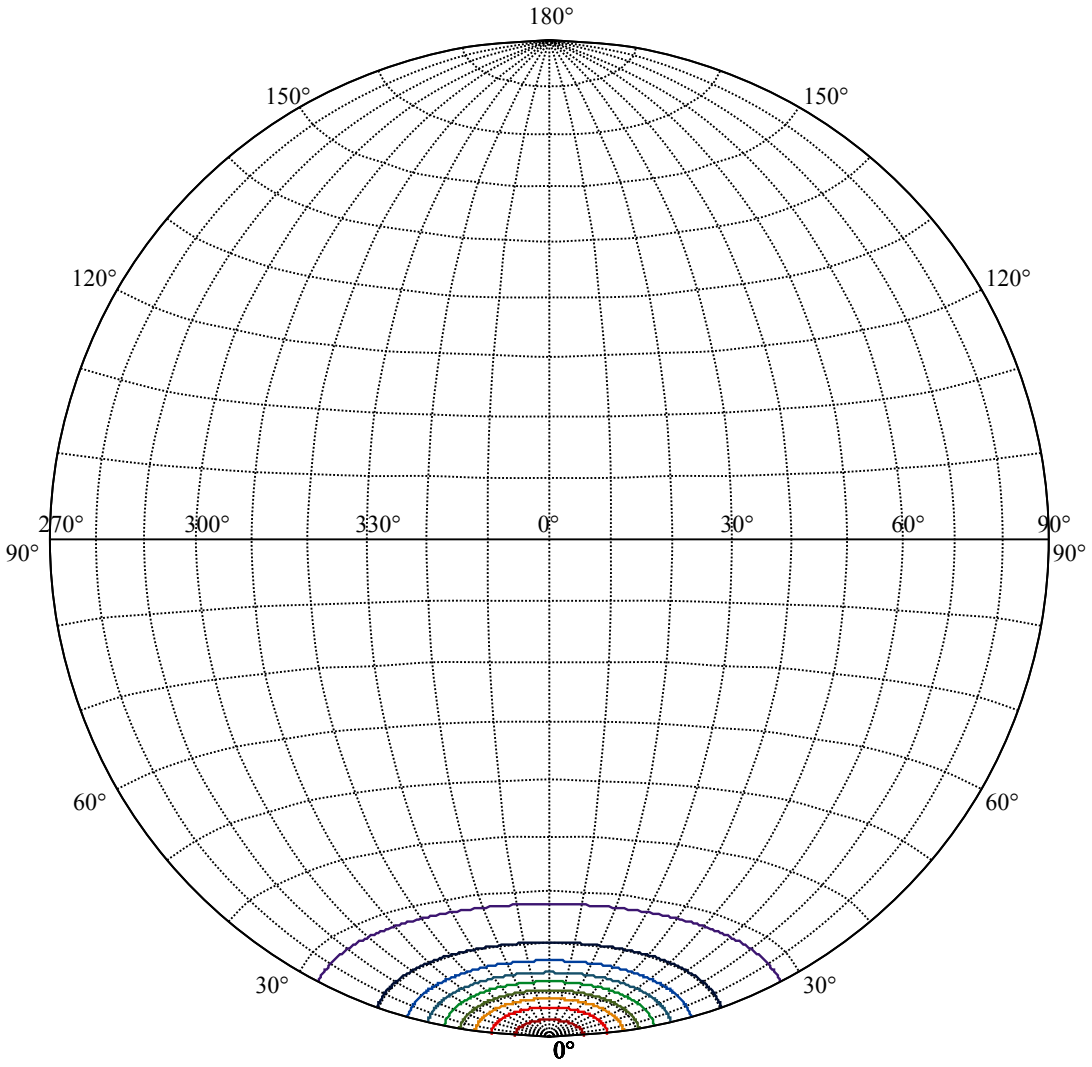


Equipment: GMS1980
Temperature(°C): 25.0

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

Operator: NT07
Distance(m): 7.65

ISO candela diagram on circular web



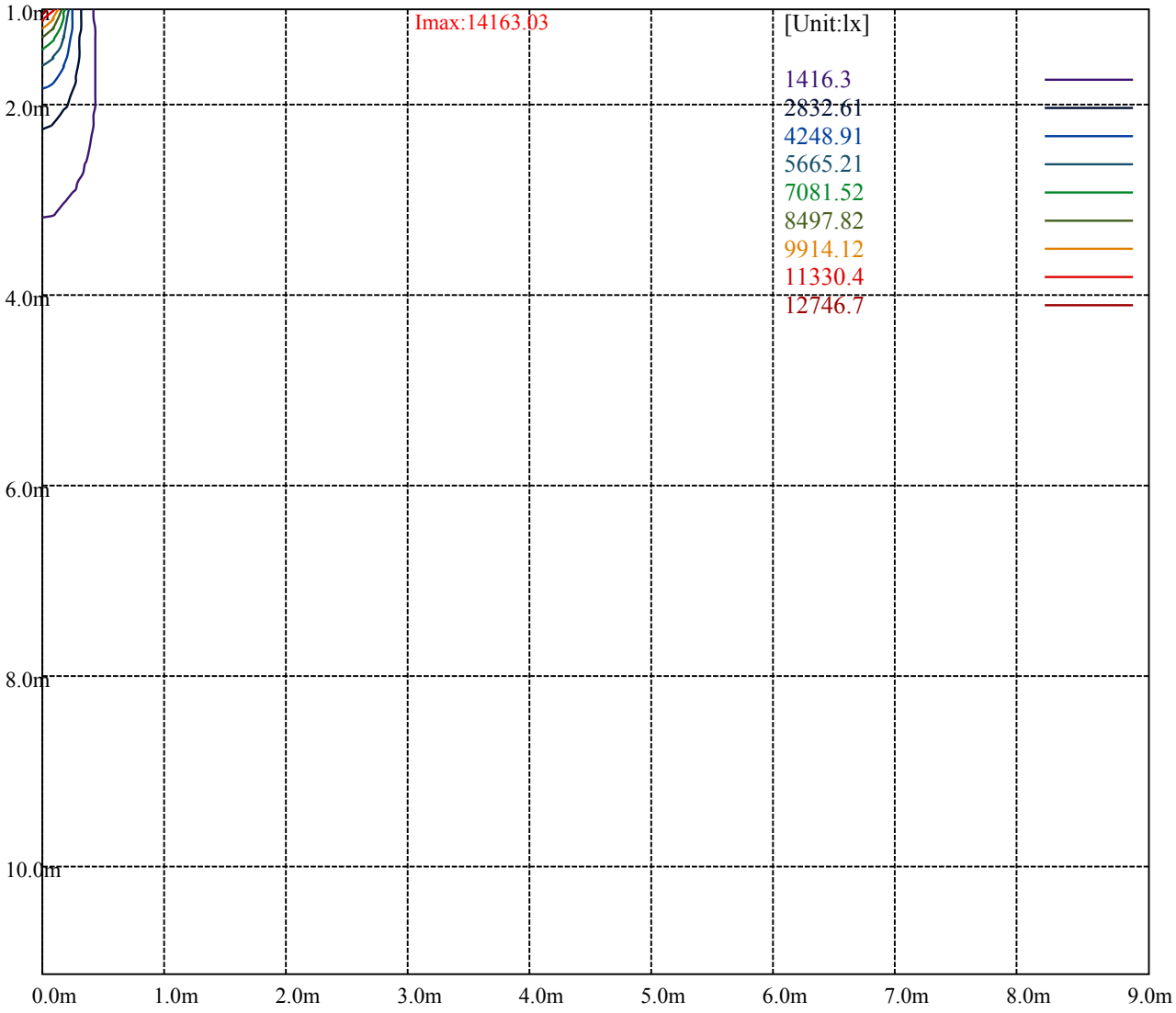
[Unit:cd]

Imax:14163.03

(10%Imax) 1416.3
(20%Imax) 2832.61
(30%Imax) 4248.91
(40%Imax) 5665.21
(50%Imax) 7081.52
(60%Imax) 8497.82
(70%Imax) 9914.12
(80%Imax) 11330.4
(90%Imax) 12746.7

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

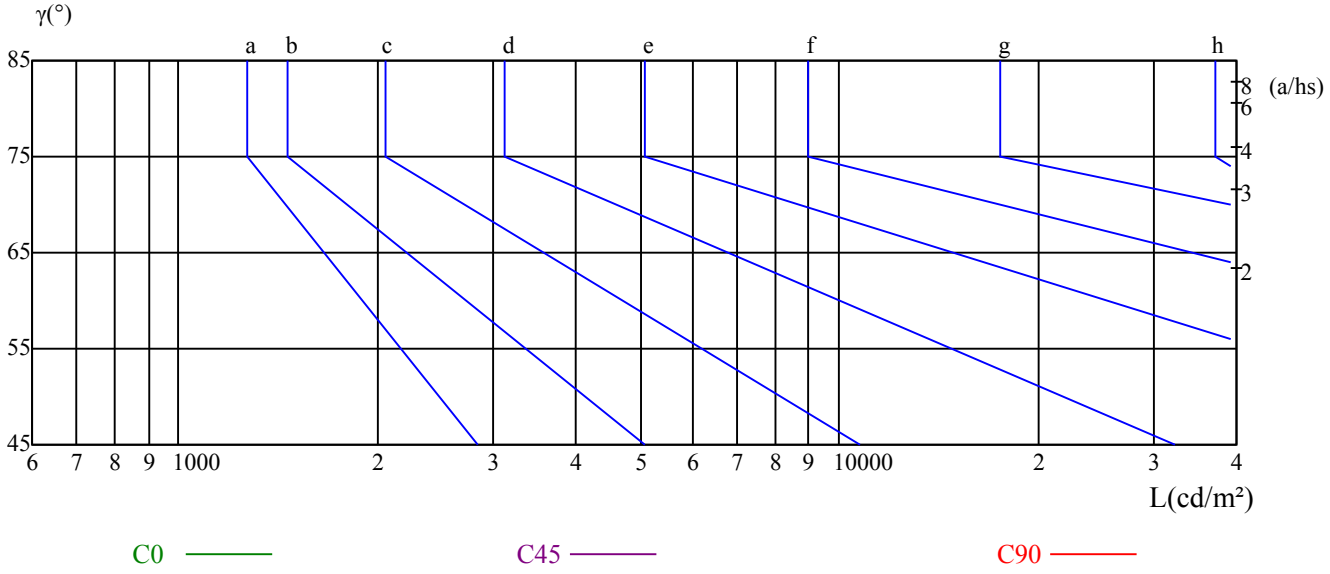
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

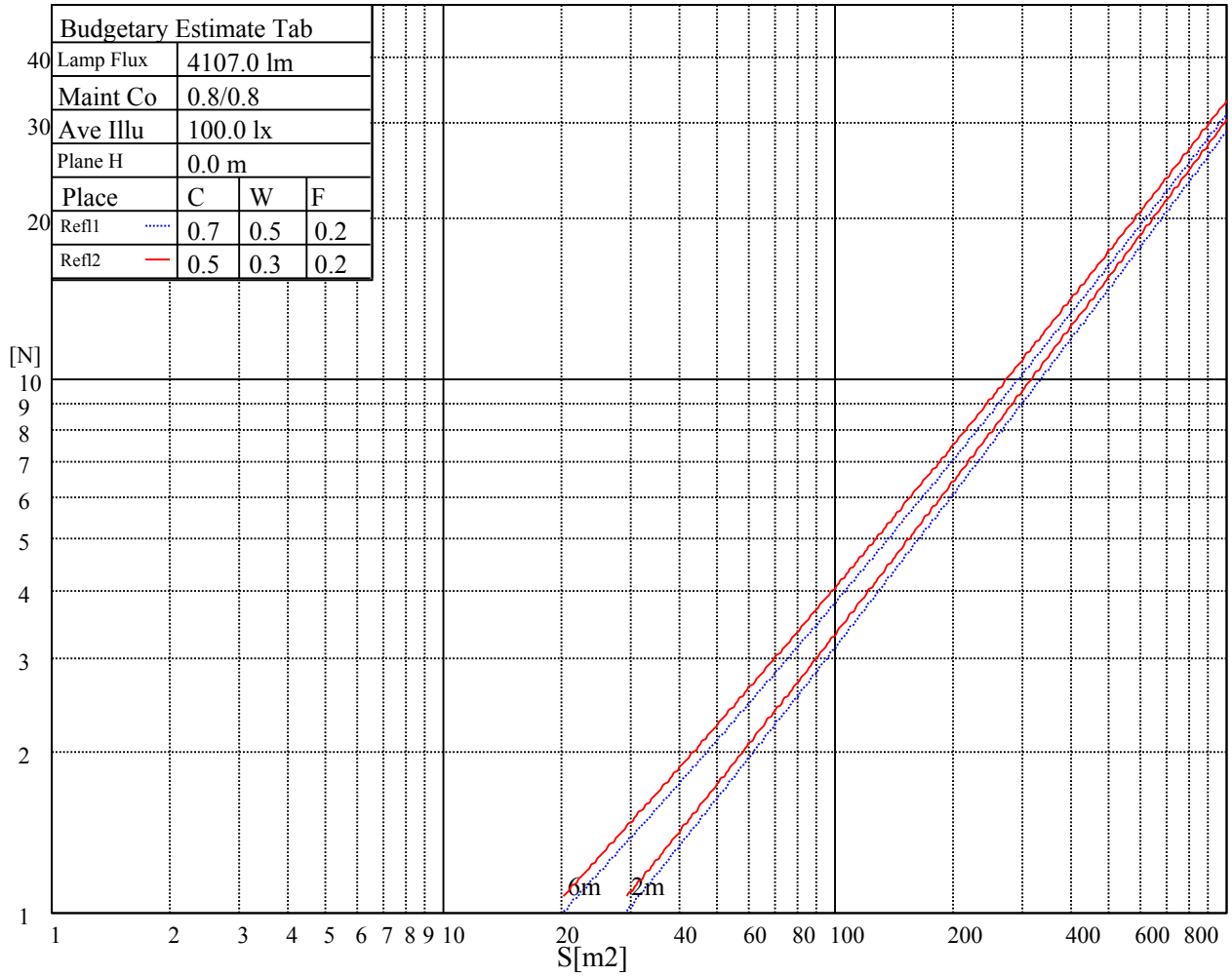
Luminance Limitting Curve



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		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

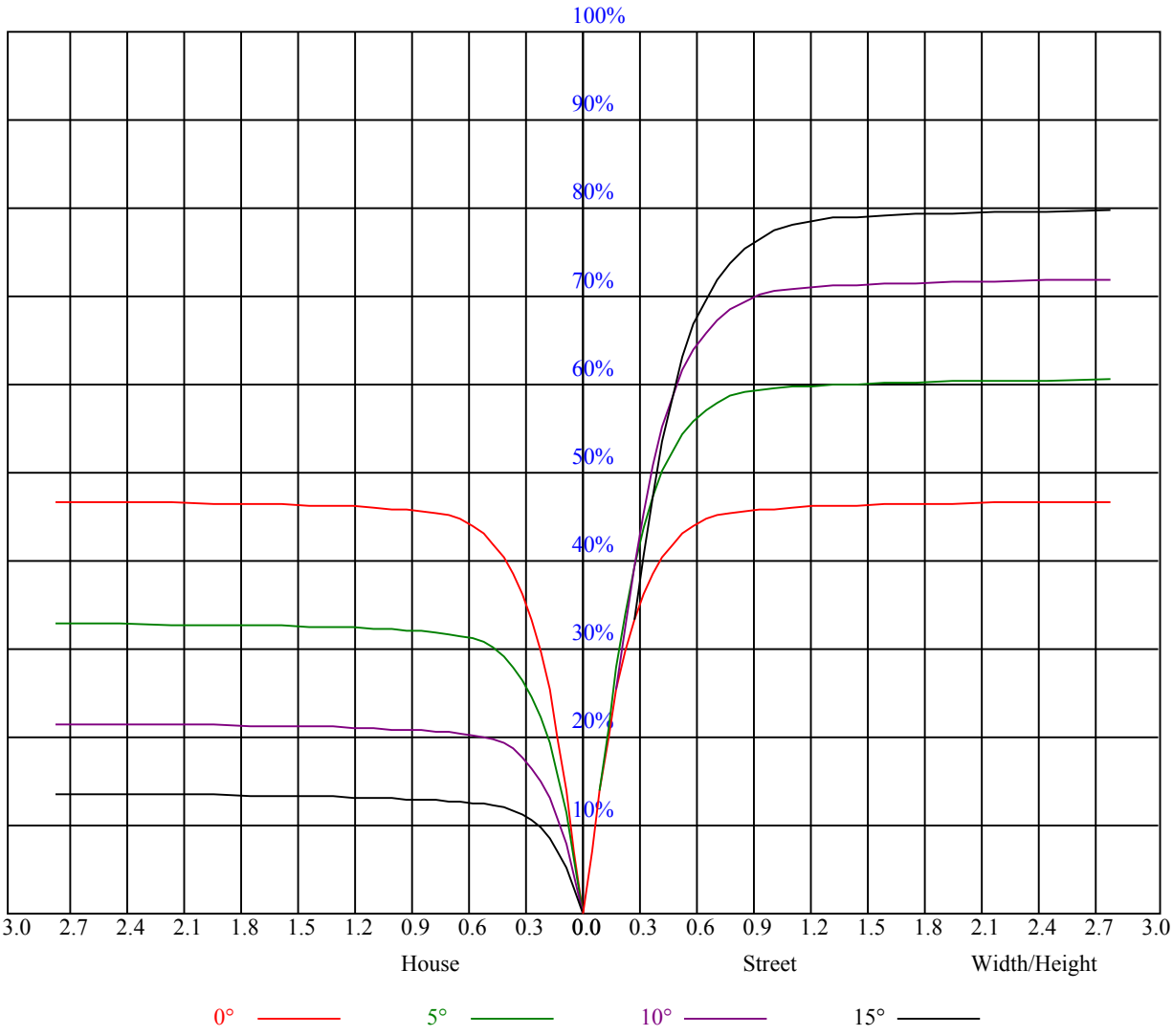


Equipment: GMS1980	Date: 2024/8/13	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65

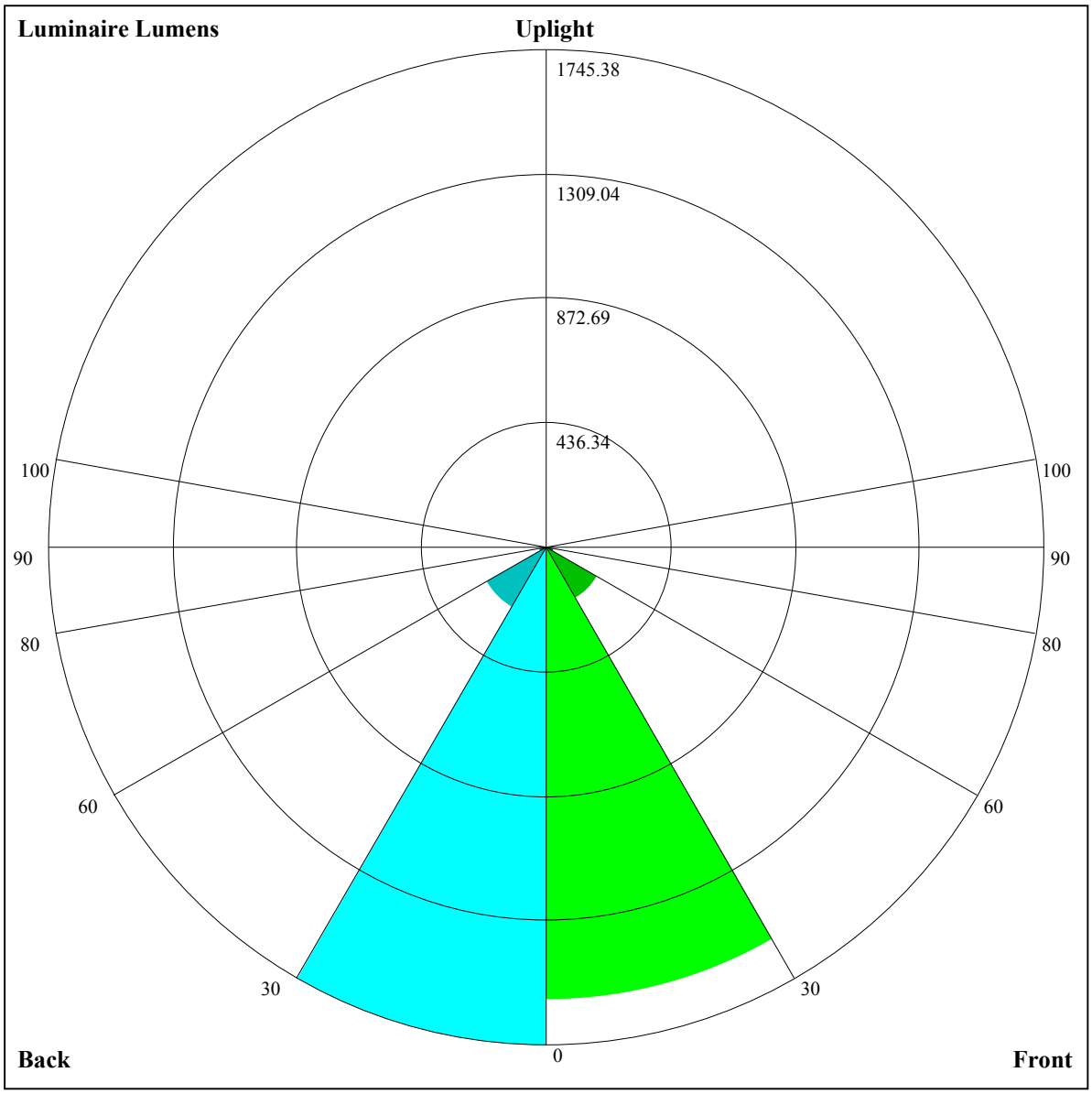
Utilization factor table for indoor luminaire

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

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=1585.88,FM=208.86,FH=28.84,FVH=9.92
BL=1745.38,BM=245.61,BH=29.81,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	14054.76	13756.30	13393.46	12907.72	11588.10	11588.10	10912.75	10203.46	9465.49
45.0	14242.04	14119.14	13867.49	13563.17	12972.10	12433.69	11819.20	10947.22	10256.65
90.0	14171.81	13949.42	13691.92	13206.19	11675.88	11675.88	11331.77	10606.68	9866.37
135.0	14183.51	14224.48	14165.96	13978.68	13621.70	13206.19	12685.34	12094.26	11269.09
180.0	14054.76	14201.07	14189.37	14037.21	13797.26	13416.87	12773.12	12182.04	11514.89
225.0	14242.04	14183.51	14037.21	13650.96	13235.45	11607.41	11607.41	11259.20	10503.68
270.0	14171.81	14201.07	14101.58	13885.05	13428.57	12954.54	12386.87	11719.72	10847.73
315.0	14183.51	13926.01	13586.58	13130.11	11672.37	11672.37	11157.37	10237.98	9480.70
360.0	14054.76	13756.30	13393.46	12907.72	11588.10	11588.10	10912.75	10203.46	9465.49

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	8540.83	7792.91	7065.48	6206.37	5560.28	4969.79	4315.51	3841.48	3353.40
45.0	9548.53	8799.44	7892.34	7154.96	6440.99	5797.24	5030.59	4503.89	4018.15
90.0	8955.76	8199.06	7422.47	6703.81	6018.51	5236.07	4672.49	4160.42	3623.19
135.0	10566.82	9806.03	8893.08	8126.43	7190.07	6481.95	5820.65	5059.86	4521.45
180.0	10642.90	9899.67	9133.02	8372.23	7430.02	6692.63	6031.33	5381.73	4667.75
225.0	9737.03	8787.21	8028.76	7284.35	6580.91	5748.14	5152.38	4484.05	4002.41
270.0	10110.35	9326.15	8559.50	7640.70	6885.76	6031.33	5422.69	4843.32	4222.98
315.0	8718.16	7765.99	7043.83	6350.33	5705.42	4956.33	4430.21	3949.16	3530.72
360.0	8540.83	7792.91	7065.48	6206.37	5560.28	4969.79	4315.51	3841.48	3353.40

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	3022.16	2738.33	2494.87	2237.96	2054.20	1885.65	1748.13	1610.60	1504.67
45.0	3514.86	3163.73	2999.86	2999.86	2336.28	2133.79	1919.60	1779.73	1665.02
90.0	3270.30	2950.18	2622.45	2391.87	2151.93	1978.12	1825.96	1708.33	1602.40
135.0	4047.42	3643.61	3192.99	2970.60	2970.60	2407.09	2212.79	1982.22	1831.23
180.0	4164.46	3631.91	3251.51	2988.16	2988.16	2359.69	2170.66	1999.19	1810.16
225.0	3577.54	3130.43	2832.55	2580.32	2362.61	2128.52	1958.22	1807.82	1696.63
270.0	3754.80	3362.70	3011.57	3011.57	2445.71	2232.69	2067.07	1837.08	1697.21
315.0	3066.05	2776.95	2517.70	2240.30	2056.54	1892.68	1722.96	1596.55	1498.82
360.0	3022.16	2738.33	2494.87	2237.96	2054.20	1885.65	1748.13	1610.60	1504.67

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1166.59	1166.59	1102.62	970.42	845.42	696.13	580.19	445.77	348.85
45.0	1553.83	1430.35	1308.62	1185.14	1057.56	900.13	774.90	657.85	515.64
90.0	1475.41	1138.79	1138.79	1110.17	945.55	822.01	702.04	586.16	449.22
135.0	1689.02	1583.09	1470.73	1312.72	1179.87	1017.18	894.87	776.65	657.85
180.0	1694.87	1590.11	1483.02	1323.84	1191.58	1059.32	929.98	781.33	665.46
225.0	1562.02	1443.81	1150.55	1150.55	1021.51	891.36	737.32	621.10	504.52
270.0	1591.29	1483.02	1328.52	1202.11	1072.19	914.77	786.02	638.54	531.44
315.0	1145.69	1145.69	1083.08	952.69	799.01	680.50	568.25	462.50	349.15
360.0	1166.59	1166.59	1102.62	970.42	845.42	696.13	580.19	445.77	348.85

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	263.99	193.30	134.72	117.34	108.56	100.37	94.22	86.38	80.53
45.0	411.47	316.67	316.67	154.44	122.37	112.19	103.00	95.68	87.32
90.0	354.00	255.51	189.73	149.88	130.15	120.26	111.08	101.65	94.63
135.0	546.66	412.06	318.42	297.94	297.94	132.79	122.49	113.83	105.98
180.0	525.59	421.42	304.96	304.96	212.79	131.09	115.52	106.51	99.02
225.0	372.26	281.55	206.47	148.53	116.05	105.69	97.15	90.65	83.92
270.0	431.37	336.56	314.91	224.96	130.62	113.01	105.28	98.61	92.35
315.0	274.76	211.91	155.03	132.73	119.09	110.08	102.71	93.75	87.43
360.0	263.99	193.30	134.72	117.34	108.56	100.37	94.22	86.38	80.53

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	74.62	70.93	66.89	62.50	60.10	58.17	55.71	53.90	52.96
45.0	81.46	77.07	73.50	68.35	64.32	61.80	59.52	56.83	54.89
90.0	88.37	83.39	77.54	72.80	69.12	66.07	62.15	59.69	57.35
135.0	96.91	90.42	83.51	78.77	74.32	69.12	65.84	63.03	60.80
180.0	92.52	85.03	79.82	75.38	71.40	66.66	63.56	61.04	58.29
225.0	78.71	74.15	69.82	66.42	62.79	59.34	57.18	54.66	52.90
270.0	84.86	79.36	74.85	70.75	67.65	64.20	61.62	59.52	57.47
315.0	82.11	77.25	73.33	68.47	65.49	62.91	60.57	57.88	56.24
360.0	74.62	70.93	66.89	62.50	60.10	58.17	55.71	53.90	52.96

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	51.56	49.45	47.99	46.58	45.06	42.55	40.97	39.62	37.57
45.0	53.14	51.56	49.51	47.52	45.88	44.30	42.08	39.74	38.27
90.0	55.54	53.37	50.45	48.40	46.64	44.65	41.67	40.15	38.39
135.0	57.70	56.01	54.25	52.32	49.51	47.99	46.35	43.42	41.08
180.0	56.01	54.31	52.49	50.74	49.16	47.34	45.59	43.66	41.43
225.0	51.79	50.21	48.16	46.53	45.06	43.83	42.08	39.74	38.51
270.0	54.66	53.43	51.56	49.45	47.11	45.88	44.07	42.25	40.15
315.0	54.07	51.97	50.15	48.11	46.47	44.13	41.67	40.03	38.10
360.0	51.56	49.45	47.99	46.58	45.06	42.55	40.97	39.62	37.57

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	35.41	33.77	32.66	31.43	29.73	28.50	27.68	26.92	25.93
45.0	36.81	35.05	32.83	31.84	30.72	29.09	27.74	26.80	25.93
90.0	36.87	34.06	32.89	31.84	30.26	28.85	27.74	26.63	25.69
135.0	39.56	37.63	35.29	33.18	32.19	31.08	29.61	27.86	27.04
180.0	39.62	38.16	36.28	34.41	32.95	31.72	30.49	28.91	28.09
225.0	36.87	34.65	32.71	31.72	30.55	29.26	27.74	26.92	26.16
270.0	38.45	36.17	34.35	32.89	31.43	30.08	28.85	27.62	26.57
315.0	35.93	33.83	32.48	31.19	29.79	28.21	27.39	26.51	25.22
360.0	35.41	33.77	32.66	31.43	29.73	28.50	27.68	26.92	25.93

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	24.81	24.11	23.53	22.94	22.36	21.89	21.30	20.83	20.37
45.0	25.05	24.05	23.23	22.65	22.18	21.71	21.13	20.60	20.19
90.0	24.64	23.94	23.29	22.65	22.18	21.48	20.95	20.48	19.84
135.0	26.16	25.16	23.99	23.41	22.82	22.18	21.65	21.19	20.60
180.0	27.10	26.22	25.28	24.52	23.82	23.29	22.77	22.30	21.71
225.0	25.16	24.05	23.41	22.88	22.30	21.65	21.19	20.66	20.07
270.0	25.69	24.76	24.05	23.23	22.65	22.18	21.54	21.01	20.54
315.0	24.29	23.47	22.82	22.24	21.71	21.13	20.60	20.19	19.72
360.0	24.81	24.11	23.53	22.94	22.36	21.89	21.30	20.83	20.37

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	19.90	19.55	19.14	18.84	18.43	18.08	17.73	17.26	16.97
45.0	19.66	19.31	18.90	18.43	18.08	17.73	17.44	17.15	16.80
90.0	19.43	19.02	18.55	18.20	17.85	17.44	17.09	16.85	16.56
135.0	20.13	19.55	19.14	18.73	18.38	17.97	17.62	17.32	17.03
180.0	21.24	20.78	20.31	19.90	19.49	19.08	18.67	18.49	18.08
225.0	19.72	19.25	18.90	18.55	18.08	17.85	17.56	17.32	17.15
270.0	19.96	19.55	19.02	18.61	18.20	17.79	17.50	17.21	16.91
315.0	19.20	18.84	18.43	18.08	17.79	17.44	17.15	16.97	16.80
360.0	19.90	19.55	19.14	18.84	18.43	18.08	17.73	17.26	16.97

Intensity data(cd)

C/γ(°)	90.0
0.0	16.85
45.0	16.74
90.0	16.50
135.0	16.74
180.0	17.38
225.0	16.68
270.0	16.68
315.0	16.68
360.0	16.85