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NT

Client:
LumCAT: 2-2751-L
Luminaire: 92.70.412.00
Report No: 2024813-B021
Ballast type: AC

Test No: 2024813-C021	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): 3892.82, Efficiency(%): 94.79% , Luminous Efficacy(lm/W): 158.03
Central intensity(cd): 17975.770, Maximum intensity(cd): 17975.770
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=19.4
[C90/270]Total=19.4
Field angle(10%Imax): [C0/180]Total=50.6
[C90/270]Total=50.6
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(%): 94.79%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 97.906%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	17975.771	0.000	0	0.00%	0.00%
1.0	17863.848	17.149	17.149	0.42%	0.44%
2.0	17434.438	50.663	67.812	1.23%	1.74%
3.0	16830.193	81.950	149.762	2.00%	3.85%
4.0	15906.269	109.579	259.341	2.67%	6.66%
5.0	14368.898	130.242	389.583	3.17%	10.01%
6.0	13095.024	144.330	533.914	3.51%	13.72%
7.0	12319.893	157.750	691.664	3.84%	17.77%
8.0	11086.020	167.512	859.175	4.08%	22.07%
9.0	9790.405	169.192	1028.367	4.12%	26.42%
10.0	8615.346	166.565	1194.933	4.06%	30.70%
11.0	7524.706	161.272	1356.205	3.93%	34.84%
12.0	6619.509	154.617	1510.821	3.76%	38.81%
13.0	5833.479	147.786	1658.607	3.60%	42.61%
14.0	5148.400	140.567	1799.174	3.42%	46.22%
15.0	4610.212	133.971	1933.145	3.26%	49.66%
16.0	4097.921	127.599	2060.743	3.11%	52.94%
17.0	3686.874	121.230	2181.973	2.95%	56.05%
18.0	3336.616	115.802	2297.775	2.82%	59.03%
19.0	3054.757	111.197	2408.972	2.71%	61.88%
20.0	2815.400	107.440	2516.412	2.62%	64.64%
21.0	2689.650	105.708	2622.121	2.57%	67.36%
22.0	2429.174	102.865	2724.986	2.50%	70.00%
23.0	2178.193	96.675	2821.661	2.35%	72.48%
24.0	1993.408	91.206	2912.867	2.22%	74.83%
25.0	1840.811	87.182	3000.048	2.12%	77.07%
26.0	1690.335	83.353	3083.402	2.03%	79.21%
27.0	1490.400	77.817	3161.219	1.89%	81.21%
28.0	1323.918	71.253	3232.472	1.73%	83.04%
29.0	1220.223	66.562	3299.033	1.62%	84.75%
30.0	1088.387	62.332	3361.365	1.52%	86.35%
31.0	939.484	56.433	3417.798	1.37%	87.80%
32.0	805.006	49.978	3467.776	1.22%	89.08%
33.0	672.124	43.517	3511.293	1.06%	90.20%
34.0	565.518	37.455	3548.747	0.91%	91.16%
35.0	472.306	32.231	3580.978	0.78%	91.99%
36.0	400.426	27.788	3608.766	0.68%	92.70%
37.0	335.758	24.010	3632.776	0.58%	93.32%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	284.756	20.712	3653.488	0.50%	93.85%
39.0	252.781	18.348	3671.836	0.45%	94.32%
40.0	208.325	16.082	3687.918	0.39%	94.74%
41.0	167.682	13.389	3701.307	0.33%	95.08%
42.0	137.338	11.082	3712.389	0.27%	95.37%
43.0	116.087	9.388	3721.776	0.23%	95.61%
44.0	99.035	8.119	3729.896	0.20%	95.81%
45.0	87.118	7.154	3737.05	0.17%	96.00%
46.0	77.177	6.425	3743.475	0.16%	96.16%
47.0	70.088	5.857	3749.332	0.14%	96.31%
48.0	64.667	5.448	3754.78	0.13%	96.45%
49.0	60.505	5.140	3759.92	0.13%	96.59%
50.0	57.286	4.911	3764.831	0.12%	96.71%
51.0	54.879	4.746	3769.577	0.12%	96.83%
52.0	53.102	4.634	3774.21	0.11%	96.95%
53.0	51.895	4.567	3778.777	0.11%	97.07%
54.0	51.061	4.538	3783.315	0.11%	97.19%
55.0	50.871	4.550	3787.865	0.11%	97.30%
56.0	50.885	4.598	3792.463	0.11%	97.42%
57.0	50.761	4.648	3797.111	0.11%	97.54%
58.0	50.893	4.701	3801.812	0.11%	97.66%
59.0	50.673	4.748	3806.56	0.12%	97.78%
60.0	49.744	4.744	3811.304	0.12%	97.91%
61.0	48.069	4.668	3815.972	0.11%	98.03%
62.0	45.867	4.526	3820.498	0.11%	98.14%
63.0	42.670	4.306	3824.804	0.10%	98.25%
64.0	39.042	4.010	3828.814	0.10%	98.36%
65.0	35.977	3.713	3832.527	0.09%	98.45%
66.0	33.051	3.444	3835.971	0.08%	98.54%
67.0	30.827	3.212	3839.182	0.08%	98.62%
68.0	29.122	3.037	3842.219	0.07%	98.70%
69.0	27.827	2.905	3845.125	0.07%	98.77%
70.0	26.767	2.804	3847.928	0.07%	98.85%
71.0	25.874	2.721	3850.649	0.07%	98.92%
72.0	25.143	2.653	3853.302	0.06%	98.98%
73.0	24.514	2.597	3855.899	0.06%	99.05%
74.0	23.906	2.546	3858.444	0.06%	99.12%
75.0	23.394	2.499	3860.943	0.06%	99.18%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	22.904	2.458	3863.401	0.06%	99.24%
77.0	22.407	2.416	3865.817	0.06%	99.31%
78.0	21.880	2.371	3868.188	0.06%	99.37%
79.0	21.339	2.322	3870.51	0.06%	99.43%
80.0	20.797	2.272	3872.781	0.06%	99.49%
81.0	20.227	2.219	3875	0.05%	99.54%
82.0	19.649	2.162	3877.162	0.05%	99.60%
83.0	19.137	2.108	3879.271	0.05%	99.65%
84.0	18.639	2.058	3881.329	0.05%	99.70%
85.0	18.208	2.011	3883.34	0.05%	99.76%
86.0	17.762	1.966	3885.306	0.05%	99.81%
87.0	17.418	1.925	3887.231	0.05%	99.86%
88.0	17.125	1.892	3889.123	0.05%	99.91%
89.0	16.833	1.861	3890.985	0.05%	99.95%
90.0	16.650	1.836	3892.82	0.04%	100.00%

Zonal flux distribution table

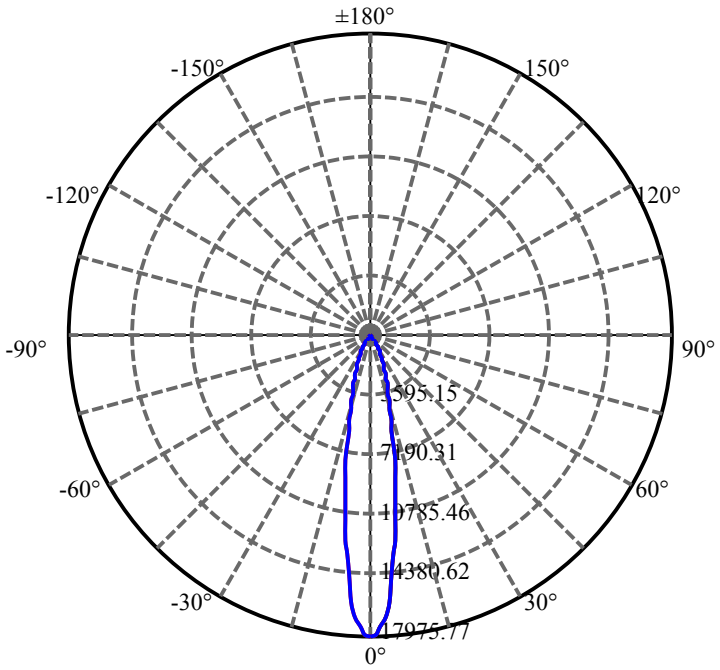
ZONAL LUMEN SUMMARY

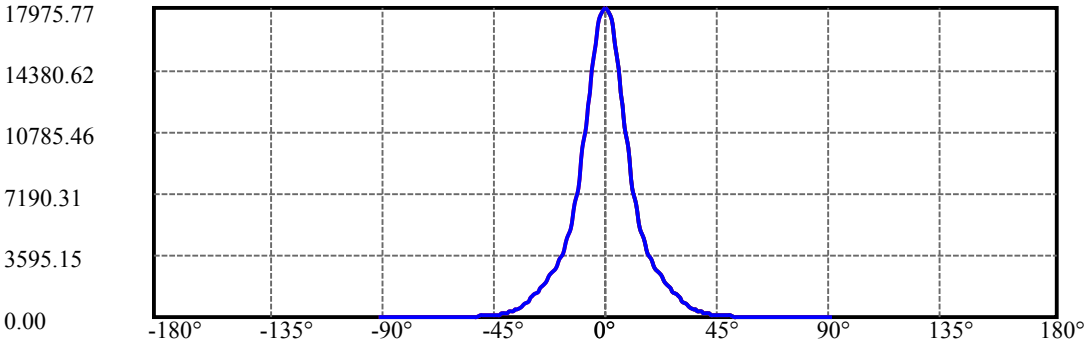
Zone	Lumens	%Lamp	%Fixt
0-30	3361.37	81.84%	86.35%
0-40	3687.92	89.80%	94.74%
0-60	3811.30	92.80%	97.91%
0-90	3890.98	94.74%	99.95%
0-120	3890.98	94.74%	99.95%
0-180	3892.82	94.79%	100.00%
60-90	79.68	1.94%	2.05%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-26.40	3114.26	75.83%	80.00%

ZONAL LUMEN SUMMARY

0-10	1194.93
10-20	1321.48
20-30	844.95
30-40	326.55
40-50	76.91
50-60	46.47
60-70	36.62
70-80	24.85
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):

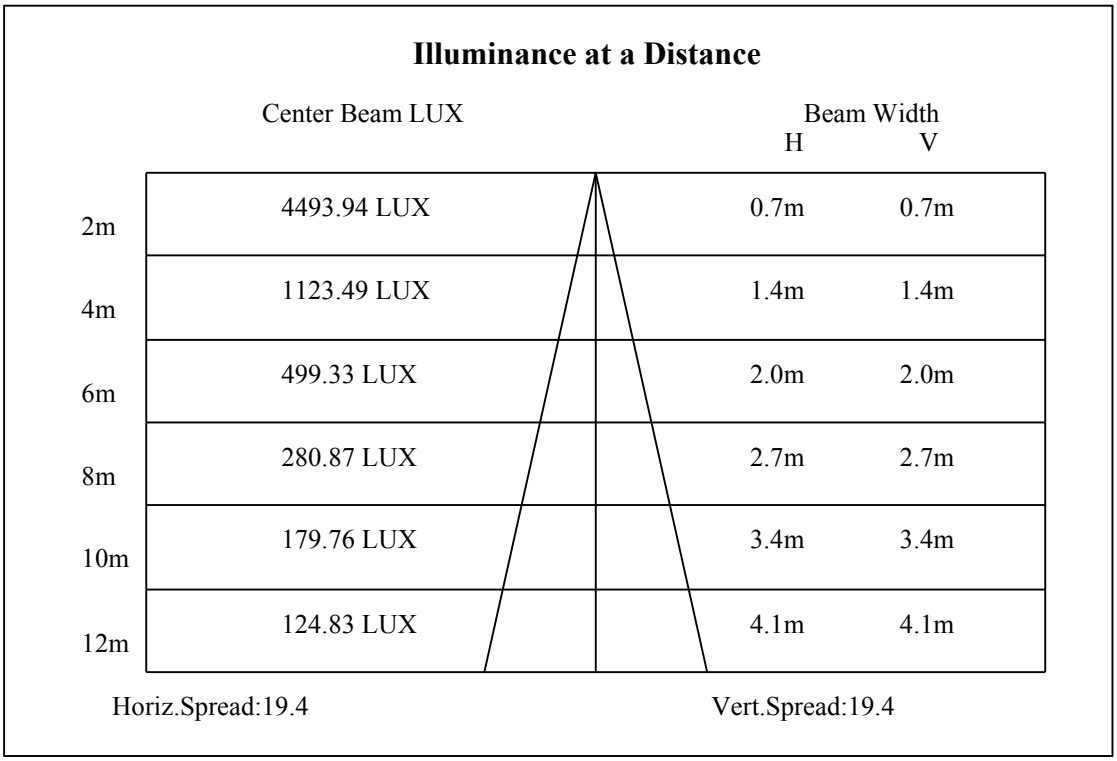
C0/C180:

C90/C270:

Field angle(10%Imax):C0/180Left:25.3 Right:25.3
:C90/270Left:25.3 Right:25.3

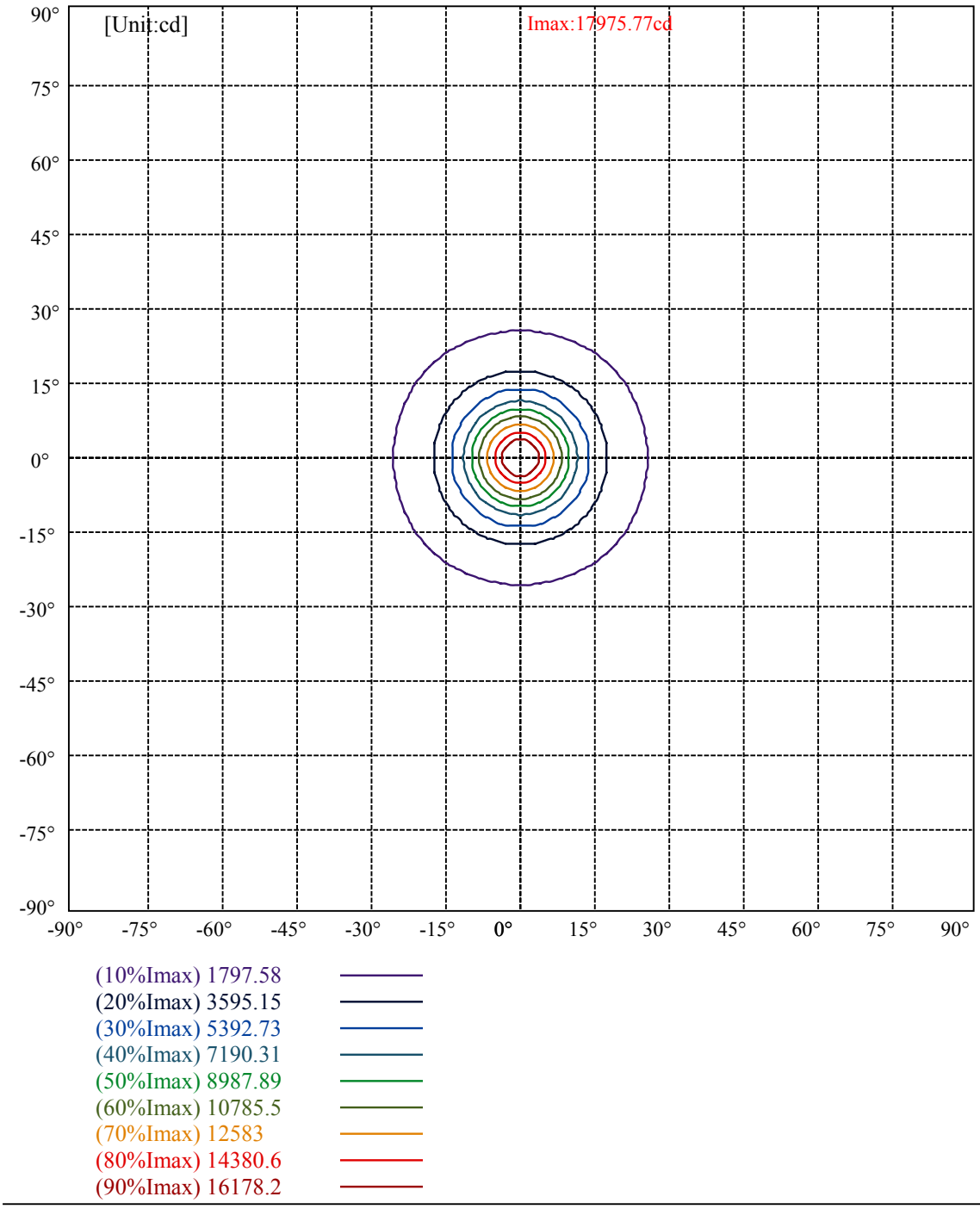
Beam Angle(50%Imax):C0/180Left:9.7 Right:9.7
:C90/270Left:9.7 Right:9.7

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)



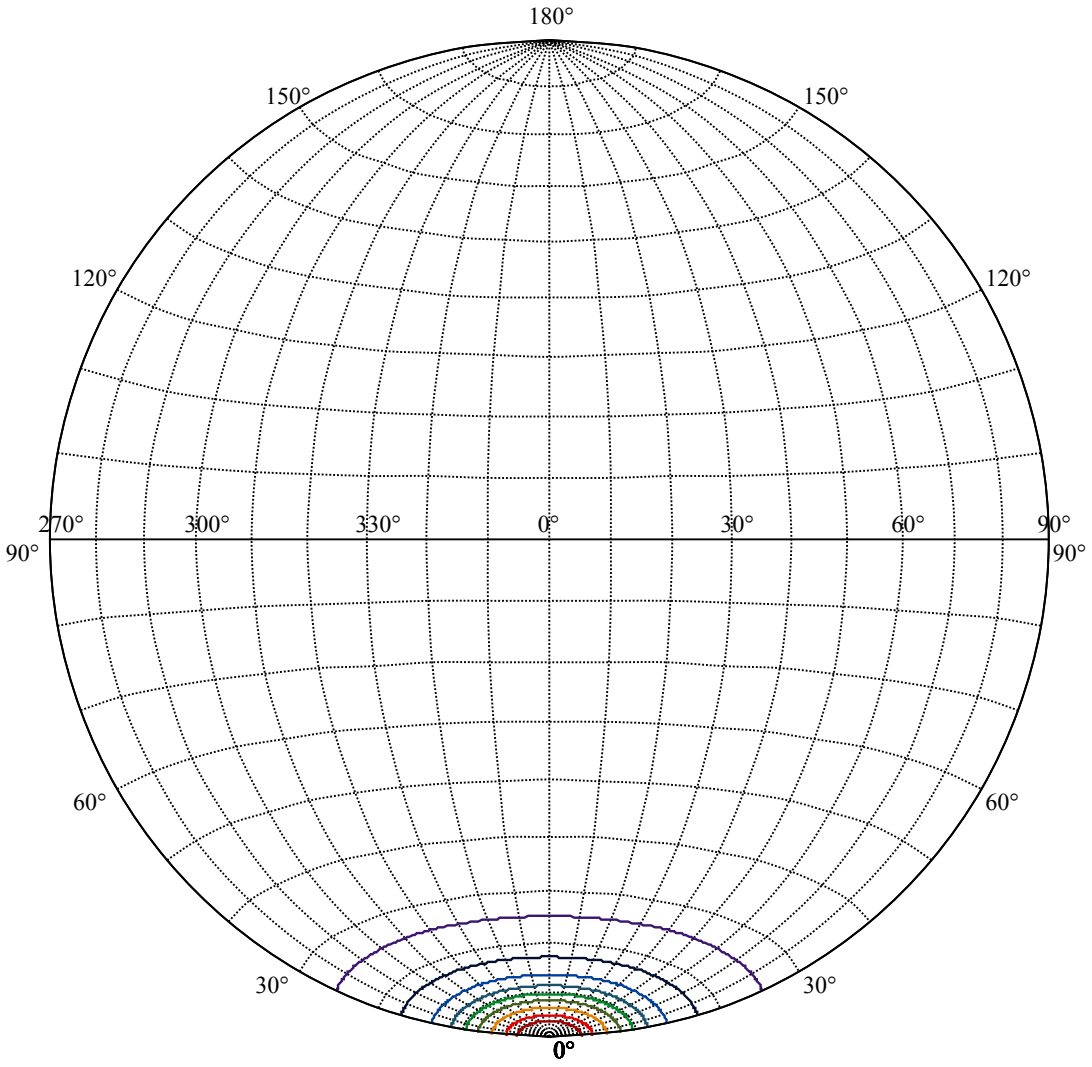
(10%Imax) 1797.58
(20%Imax) 3595.15
(30%Imax) 5392.73
(40%Imax) 7190.31
(50%Imax) 8987.89
(60%Imax) 10785.5
(70%Imax) 12583
(80%Imax) 14380.6
(90%Imax) 16178.2

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:17975.77

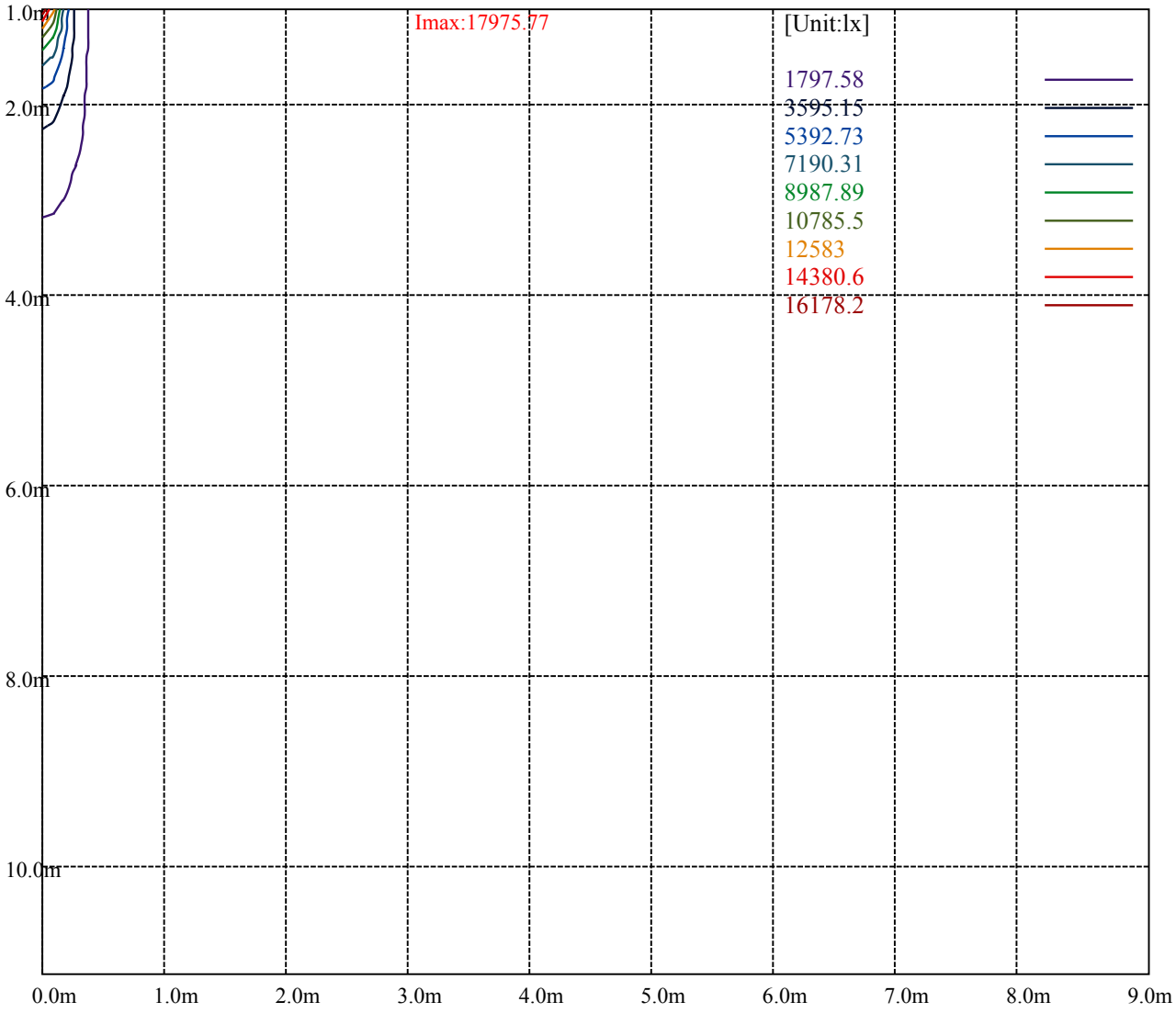
(10%Imax) 1797.58
(20%Imax) 3595.15
(30%Imax) 5392.73
(40%Imax) 7190.31
(50%Imax) 8987.89
(60%Imax) 10785.5
(70%Imax) 12583
(80%Imax) 14380.6
(90%Imax) 16178.2

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

Luminance Limitting Curve(no luminous side)

Luminance Table

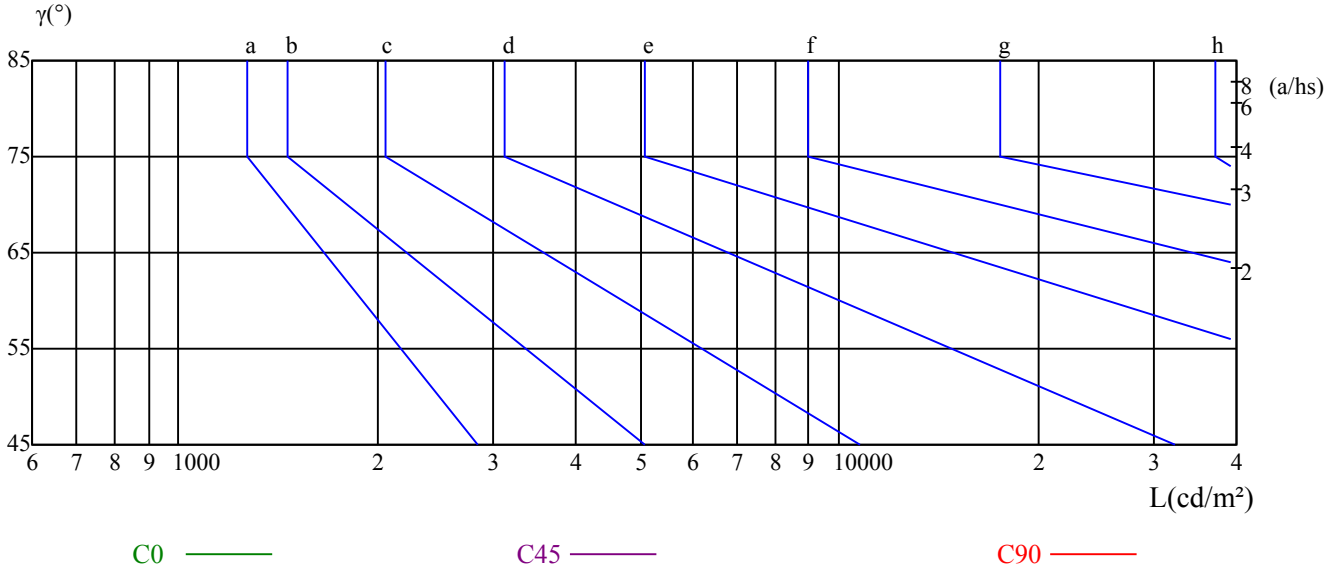
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

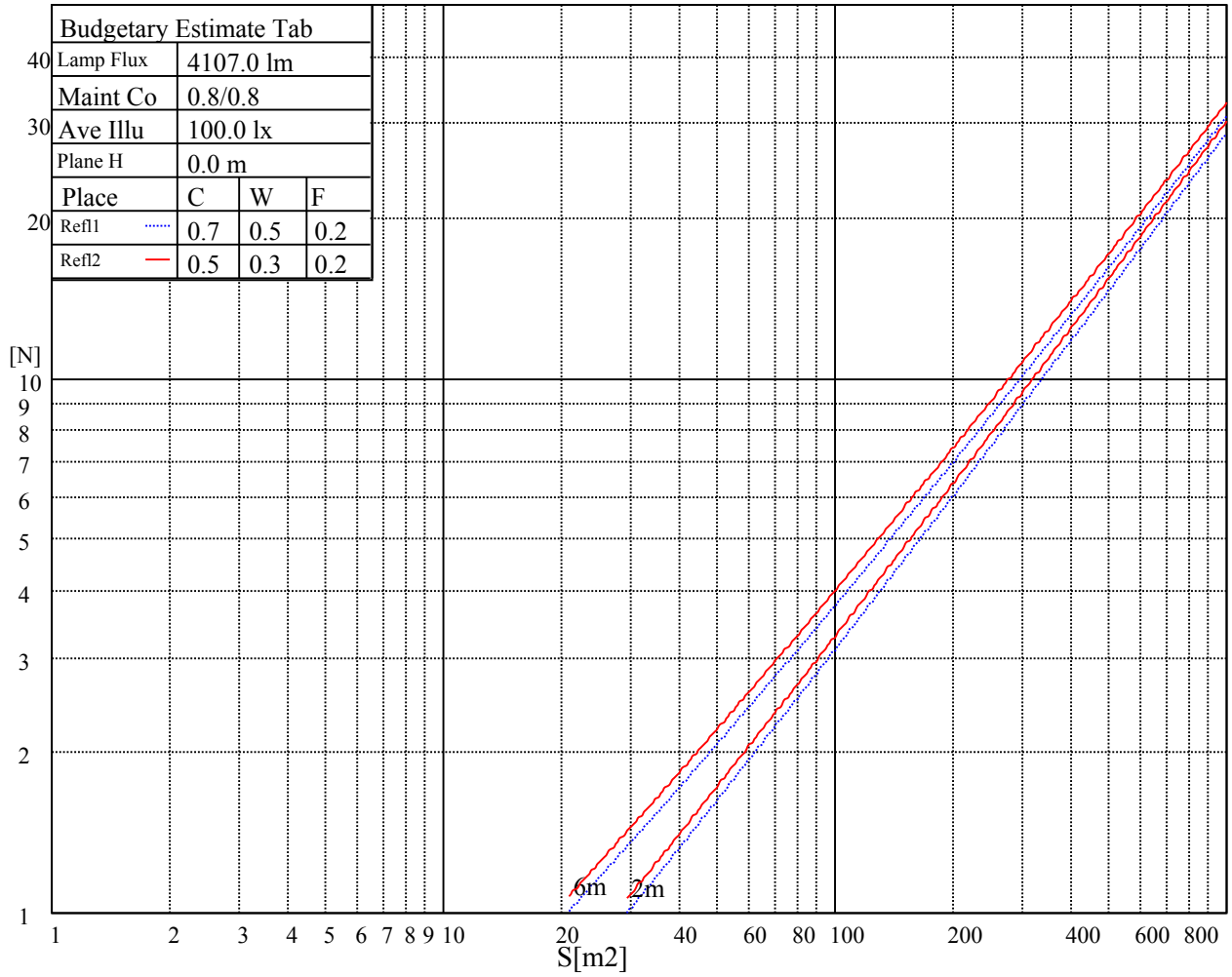
Luminance Limitting Curve



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

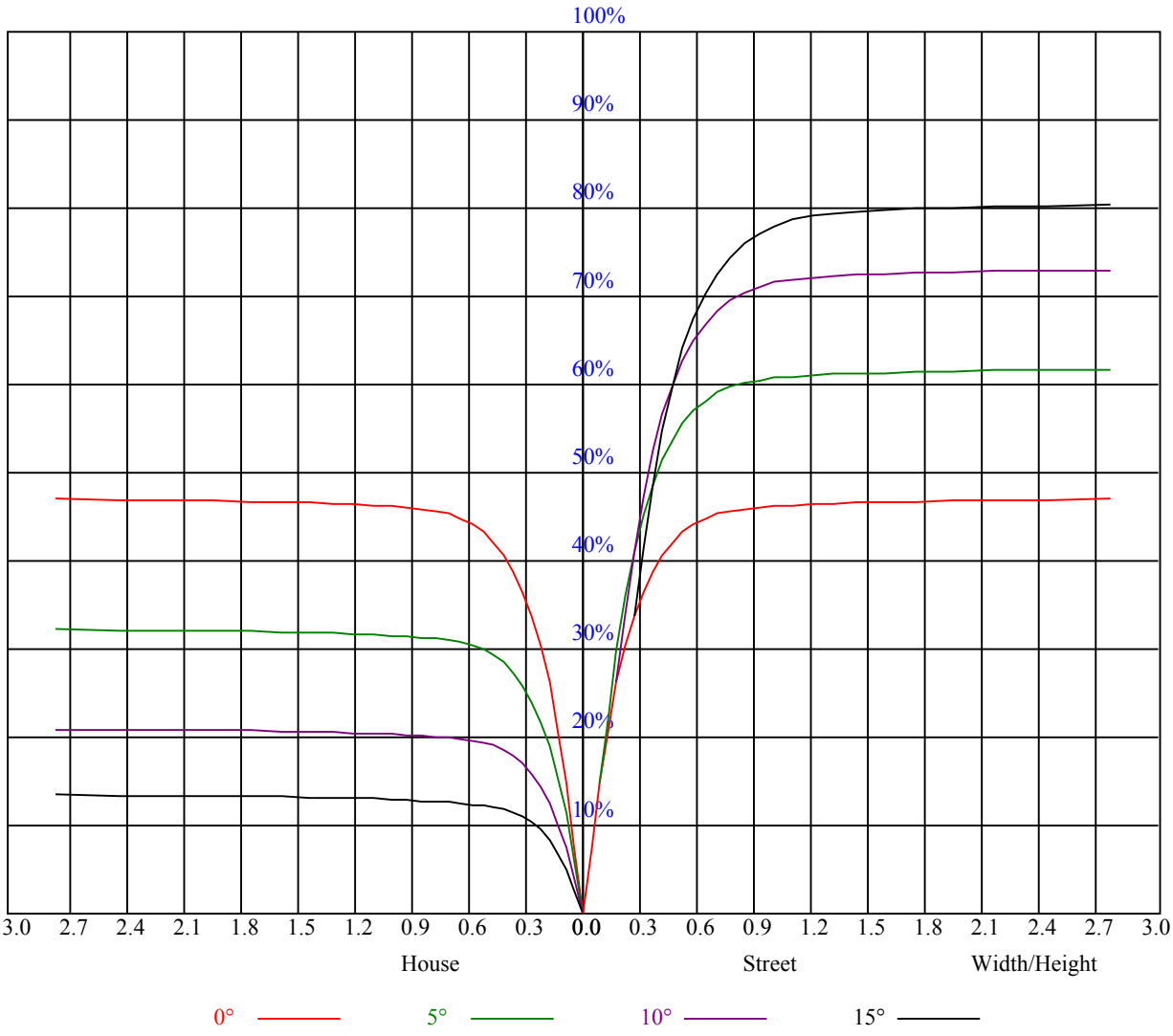


Equipment: GMS1980 Date: 2024/8/13 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

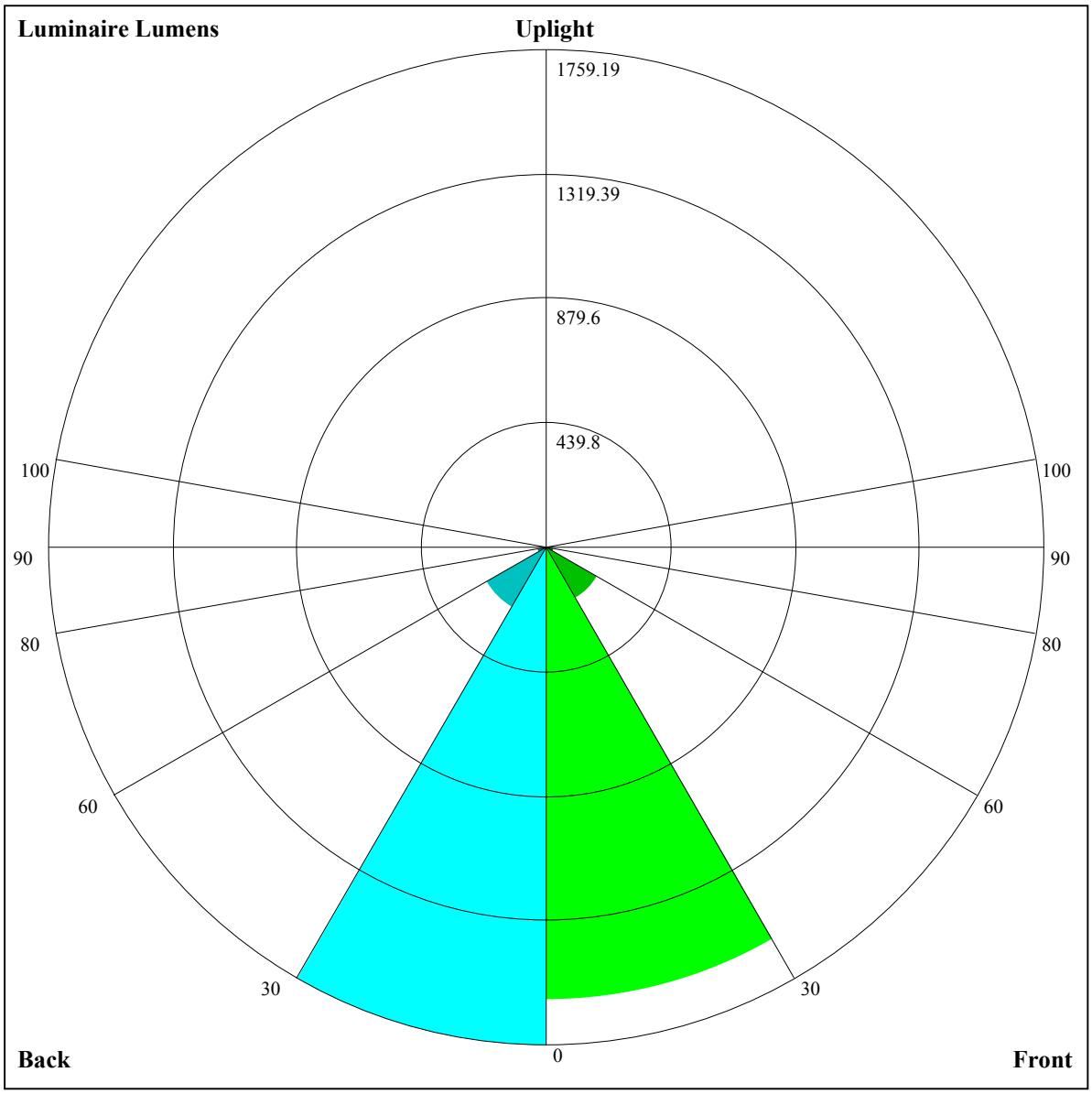
Utilization factor table for indoor luminaire

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	1.13	1.13	1.13	1.10	1.10	1.10	1.05	1.05	1.05	1.01	1.01	1.01	0.97	0.97	0.97	0.95
1	1.06	1.04	1.02	1.04	1.02	1.00	1.00	0.99	0.97	0.97	0.95	0.94	0.93	0.92	0.92	0.90
2	1.00	0.97	0.94	0.98	0.95	0.93	0.95	0.93	0.91	0.93	0.91	0.89	0.90	0.88	0.87	0.86
3	0.95	0.91	0.88	0.94	0.90	0.87	0.91	0.88	0.86	0.89	0.86	0.84	0.87	0.85	0.83	0.82
4	0.90	0.86	0.83	0.89	0.85	0.82	0.87	0.84	0.81	0.86	0.83	0.80	0.84	0.81	0.79	0.78
5	0.86	0.82	0.79	0.86	0.81	0.78	0.84	0.80	0.78	0.82	0.79	0.77	0.81	0.78	0.76	0.75
6	0.83	0.78	0.75	0.82	0.78	0.75	0.81	0.77	0.74	0.80	0.76	0.74	0.78	0.75	0.73	0.72
7	0.80	0.75	0.72	0.79	0.75	0.72	0.78	0.74	0.71	0.77	0.73	0.71	0.76	0.73	0.71	0.69
8	0.77	0.72	0.69	0.76	0.72	0.69	0.75	0.71	0.69	0.74	0.71	0.68	0.73	0.70	0.68	0.67
9	0.74	0.69	0.66	0.73	0.69	0.66	0.73	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	0.67	0.64	0.70	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=1603.66,FM=207.88,FH=30.2,FVH=9.95
BL=1759.19,BM=244.58,BH=31.25,BVH=10.07
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	17917.25	17548.56	16758.50	15945.04	14680.95	11591.02	11591.02	10958.98	9738.79
45.0	18005.03	17975.77	17683.16	17144.75	16202.54	15242.77	14119.14	12591.70	11368.58
90.0	18028.44	17770.94	17308.61	16682.42	15576.35	14505.39	11492.12	11492.12	10581.51
135.0	17952.36	18116.23	17975.77	17531.00	16928.22	16120.61	15143.28	13768.00	12556.59
180.0	17917.25	18069.41	17847.02	17495.89	16705.83	15927.48	14967.71	13844.08	12620.96
225.0	18005.03	17788.50	17355.43	16553.67	15693.39	14716.07	11664.18	11664.18	10716.11
270.0	18028.44	18010.88	17700.72	17232.54	16378.11	15453.45	14388.34	13171.07	11608.52
315.0	17952.36	17630.49	16846.29	16056.23	15084.76	11394.39	11394.39	11069.00	9497.09
360.0	17917.25	17548.56	16758.50	15945.04	14680.95	11591.02	11591.02	10958.98	9738.79

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	8326.05	7317.13	6440.46	5704.83	4963.35	4488.15	4058.59	3587.49	3271.47
45.0	10133.76	8975.01	7699.22	6774.56	6013.77	5375.88	4685.31	4217.13	3707.99
90.0	9412.82	8088.45	7128.10	6288.89	5610.03	4882.59	4389.25	3958.52	3583.98
135.0	11035.00	9887.96	8770.18	7523.65	6651.67	5914.28	5276.39	4603.38	4146.90
180.0	11122.79	9934.78	8805.30	7757.74	6616.55	5861.61	5252.98	4585.82	4129.35
225.0	9532.20	8168.63	7232.27	6390.72	5667.96	4939.94	4454.79	4026.41	3565.83
270.0	10408.81	9203.25	7845.53	6926.72	6124.96	5323.21	4790.65	4193.72	3801.62
315.0	8351.80	7347.56	6276.60	5588.96	5019.53	4401.54	3973.74	3610.90	3287.85
360.0	8326.05	7317.13	6440.46	5704.83	4963.35	4488.15	4058.59	3587.49	3271.47

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	3014.55	2729.55	2514.19	2277.17	2108.04	1941.25	1784.41	1634.01	1456.10
45.0	3386.11	3105.20	2976.45	2976.45	2413.53	2235.03	2034.30	1878.05	1734.08
90.0	3197.73	2941.40	2716.09	2466.20	2298.24	2132.03	1943.01	1796.70	1663.27
135.0	3748.95	3415.37	3052.53	2994.01	2994.01	2426.99	2208.11	2057.12	1909.65
180.0	3661.17	3351.00	3075.94	3005.72	2765.25	2397.73	2229.77	2072.34	1889.16
225.0	3260.93	3008.12	2721.94	2521.79	2333.35	2126.77	1967.58	1823.03	1680.24
270.0	3462.19	3169.58	2964.75	2964.75	2425.23	2229.18	2034.30	1865.17	1727.06
315.0	2961.30	2717.84	2501.31	2311.11	2095.75	1936.57	1745.78	1600.06	1463.12
360.0	3014.55	2729.55	2514.19	2277.17	2108.04	1941.25	1784.41	1634.01	1456.10

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1133.87	1133.87	999.68	865.61	739.55	625.08	509.67	435.64	355.35
45.0	1583.68	1408.11	1269.41	1131.88	993.19	828.15	704.08	575.33	492.23
90.0	1489.46	1143.76	1143.76	1076.70	906.46	773.61	654.40	555.26	454.54
135.0	1731.15	1594.21	1459.02	1295.16	1163.49	1030.64	860.34	731.59	620.40
180.0	1748.13	1612.35	1481.85	1307.45	1167.58	1028.30	854.49	724.57	589.38
225.0	1505.26	1149.97	1149.97	1078.51	897.44	759.21	638.54	520.67	443.31
270.0	1581.34	1398.75	1252.44	1081.55	939.93	799.48	648.49	548.41	469.41
315.0	1150.32	1150.32	1005.65	870.23	708.24	595.58	506.98	432.66	353.83
360.0	1133.87	1133.87	999.68	865.61	739.55	625.08	509.67	435.64	355.35

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	302.91	257.56	208.98	177.09	151.28	128.93	110.55	92.29	81.52
45.0	420.84	344.76	304.96	304.96	204.48	166.61	142.33	121.90	101.60
90.0	387.48	329.54	268.74	227.24	186.39	159.06	135.71	113.12	98.43
135.0	509.79	434.30	369.34	310.81	297.35	241.52	178.08	145.55	124.71
180.0	503.35	427.86	345.93	303.79	303.79	200.50	161.87	136.83	116.58
225.0	377.82	307.59	260.19	219.11	176.21	149.06	127.11	109.50	92.11
270.0	399.18	327.20	302.03	302.03	196.52	167.32	137.06	117.75	98.67
315.0	302.03	257.26	217.88	177.21	150.58	128.46	105.98	91.76	78.65
360.0	302.91	257.56	208.98	177.09	151.28	128.93	110.55	92.29	81.52

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	73.39	65.66	61.33	58.17	54.78	52.55	51.38	50.10	49.45
45.0	88.78	79.06	71.81	64.78	60.80	57.59	54.02	52.26	50.97
90.0	87.08	78.36	70.58	66.01	62.33	59.11	56.83	55.07	53.84
135.0	107.33	90.94	80.88	72.98	66.25	62.15	58.64	56.01	54.13
180.0	100.66	85.97	77.07	70.23	64.37	60.75	57.64	54.72	53.49
225.0	81.81	73.91	67.83	62.50	59.17	55.60	53.72	52.49	51.03
270.0	86.79	78.19	69.88	65.02	61.45	57.64	55.19	53.90	52.61
315.0	71.10	65.31	61.33	57.64	54.89	52.90	51.62	50.27	49.63
360.0	73.39	65.66	61.33	58.17	54.78	52.55	51.38	50.10	49.45

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	49.57	49.92	50.15	50.39	50.68	49.98	48.69	46.99	44.36
45.0	49.63	49.45	49.45	49.28	49.39	49.69	49.39	47.81	46.12
90.0	53.20	52.96	52.73	52.03	52.14	51.68	49.80	47.64	44.89
135.0	52.67	51.38	51.15	51.15	51.15	50.97	50.80	49.86	48.11
180.0	51.73	51.21	51.27	51.21	51.15	51.44	51.62	50.80	49.33
225.0	50.62	50.74	50.50	50.27	50.39	50.39	48.75	46.99	44.77
270.0	51.27	51.15	51.50	51.56	51.56	51.32	50.68	48.52	46.58
315.0	49.80	50.15	50.33	50.21	50.68	49.92	48.22	45.94	42.78
360.0	49.57	49.92	50.15	50.39	50.68	49.98	48.69	46.99	44.36

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	40.15	37.40	34.41	31.49	29.90	28.27	27.27	26.39	25.69
45.0	43.66	40.15	36.46	33.77	30.72	29.14	27.86	26.57	25.75
90.0	41.02	36.93	34.41	31.84	30.02	28.38	27.27	26.39	25.46
135.0	45.47	42.49	38.98	35.64	33.07	30.96	29.38	27.80	26.80
180.0	46.94	43.72	40.15	36.52	33.71	31.13	29.67	28.44	27.21
225.0	41.43	37.40	34.82	32.19	29.85	28.50	27.10	26.22	25.46
270.0	43.72	39.03	36.17	32.71	30.61	29.14	27.86	26.80	25.81
315.0	38.98	35.23	32.42	30.26	28.73	27.45	26.22	25.52	24.81
360.0	40.15	37.40	34.41	31.49	29.90	28.27	27.27	26.39	25.69

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	24.93	24.40	23.94	23.53	23.00	22.53	22.00	21.36	20.83
45.0	25.11	24.52	23.76	23.29	22.88	22.47	21.83	21.36	20.89
90.0	24.81	24.11	23.64	23.12	22.71	22.12	21.59	21.07	20.54
135.0	25.98	25.28	24.52	23.99	23.35	22.88	22.41	21.77	21.30
180.0	26.39	25.75	25.16	24.46	23.94	23.53	23.06	22.53	21.89
225.0	24.81	24.05	23.47	23.06	22.59	22.00	21.48	21.01	20.48
270.0	25.05	24.46	23.88	23.23	22.77	22.36	21.77	21.24	20.60
315.0	24.05	23.53	22.88	22.47	22.00	21.36	20.89	20.37	19.84
360.0	24.93	24.40	23.94	23.53	23.00	22.53	22.00	21.36	20.83

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	20.31	19.78	19.37	18.96	18.55	18.02	17.67	17.26	16.74
45.0	20.25	19.72	19.14	18.61	18.26	17.85	17.50	17.21	16.85
90.0	19.90	19.31	18.79	18.26	17.91	17.50	17.21	16.91	16.62
135.0	20.78	20.07	19.49	19.02	18.49	18.02	17.62	17.32	17.03
180.0	21.36	20.66	20.13	19.49	18.96	18.43	17.97	17.67	17.44
225.0	19.90	19.31	18.84	18.38	17.97	17.56	17.26	17.03	16.68
270.0	20.07	19.61	18.96	18.49	17.97	17.50	17.15	16.91	16.68
315.0	19.25	18.73	18.38	17.91	17.56	17.21	16.97	16.68	16.62
360.0	20.31	19.78	19.37	18.96	18.55	18.02	17.67	17.26	16.74

Intensity data(cd)

C/γ(°)	90.0
0.0	16.74
45.0	16.62
90.0	16.56
135.0	16.74
180.0	16.80
225.0	16.62
270.0	16.56
315.0	16.56
360.0	16.74