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NATA

Client:
LumCAT: 2-2642-L
Luminaire: 92.70.411.00
Report No: 2023718-B004
Ballast type: AC

Test No: 2023718-C004	Voltage(V): 34.710
LampCAT: SLM C 1208 L15 2024 G7 HE+	Current(A): 0.580
Lamp flux(lm): 3273.2	Power (W): 20.131
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 3044.13, Efficiency(%): 93.00% , Luminous Efficacy(lm/W): 151.22
Central intensity(cd): 4630.965, Maximum intensity(cd): 4631.795
Angle of maximum intensity: C=0.0 γ=1.0
Beam Angle(50%Imax): [C0/180]Total=49.8
[C90/270]Total=49.8
Field angle(10%Imax): [C0/180]Total=72.0
[C90/270]Total=72.0
Maximum s/h(1/2): C0_180=0.78 C90_270=0.78
Maximum s/h(1/4): C0_180=0.76 C90_270=0.76
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 93.00%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 97.969%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	4630.965	0.000	0	0.00%	0.00%
1.0	4631.796	4.432	4.432	0.14%	0.15%
2.0	4630.481	13.294	17.726	0.41%	0.58%
3.0	4621.693	22.128	39.854	0.68%	1.31%
4.0	4604.811	30.884	70.738	0.94%	2.32%
5.0	4575.750	39.494	110.233	1.21%	3.62%
6.0	4536.864	47.889	158.122	1.46%	5.19%
7.0	4482.825	55.985	214.107	1.71%	7.03%
8.0	4422.766	63.736	277.843	1.95%	9.13%
9.0	4345.894	71.065	348.908	2.17%	11.46%
10.0	4260.442	77.884	426.792	2.38%	14.02%
11.0	4160.460	84.142	510.934	2.57%	16.78%
12.0	4050.583	89.758	600.693	2.74%	19.73%
13.0	3941.190	94.842	695.535	2.90%	22.85%
14.0	3820.865	99.354	794.888	3.04%	26.11%
15.0	3706.145	103.334	898.223	3.16%	29.51%
16.0	3585.612	106.845	1005.067	3.26%	33.02%
17.0	3459.268	109.708	1114.775	3.35%	36.62%
18.0	3335.137	112.025	1226.8	3.42%	40.30%
19.0	3203.673	113.762	1340.562	3.48%	44.04%
20.0	3064.112	114.718	1455.28	3.50%	47.81%
21.0	2920.470	114.916	1570.196	3.51%	51.58%
22.0	2762.781	114.207	1684.403	3.49%	55.33%
23.0	2612.773	112.794	1797.197	3.45%	59.04%
24.0	2461.934	110.951	1908.148	3.39%	62.68%
25.0	2300.994	108.299	2016.447	3.31%	66.24%
26.0	2134.379	104.697	2121.144	3.20%	69.68%
27.0	1965.551	100.306	2221.45	3.06%	72.97%
28.0	1776.518	94.741	2316.191	2.89%	76.09%
29.0	1577.239	87.744	2403.935	2.68%	78.97%
30.0	1376.201	79.742	2483.677	2.44%	81.59%
31.0	1195.306	71.561	2555.238	2.19%	83.94%
32.0	1050.874	64.350	2619.589	1.97%	86.05%
33.0	897.503	57.400	2676.989	1.75%	87.94%
34.0	736.009	49.435	2726.424	1.51%	89.56%
35.0	594.062	41.307	2767.731	1.26%	90.92%
36.0	458.840	33.525	2801.255	1.02%	92.02%
37.0	356.989	26.608	2827.863	0.81%	92.90%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	280.726	21.286	2849.149	0.65%	93.59%
39.0	210.731	16.775	2865.924	0.51%	94.15%
40.0	176.765	13.514	2879.438	0.41%	94.59%
41.0	134.834	11.096	2890.534	0.34%	94.95%
42.0	111.973	8.967	2899.501	0.27%	95.25%
43.0	99.291	7.826	2907.327	0.24%	95.51%
44.0	88.981	7.106	2914.433	0.22%	95.74%
45.0	79.841	6.488	2920.921	0.20%	95.95%
46.0	72.679	5.965	2926.886	0.18%	96.15%
47.0	66.113	5.520	2932.406	0.17%	96.33%
48.0	60.405	5.115	2937.52	0.16%	96.50%
49.0	55.679	4.767	2942.287	0.15%	96.65%
50.0	51.451	4.467	2946.754	0.14%	96.80%
51.0	48.192	4.216	2950.97	0.13%	96.94%
52.0	45.438	4.018	2954.988	0.12%	97.07%
53.0	42.954	3.845	2958.833	0.12%	97.20%
54.0	40.816	3.692	2962.525	0.11%	97.32%
55.0	38.900	3.558	2966.083	0.11%	97.44%
56.0	37.274	3.442	2969.525	0.11%	97.55%
57.0	35.738	3.338	2972.864	0.10%	97.66%
58.0	34.326	3.240	2976.104	0.10%	97.77%
59.0	32.977	3.146	2979.25	0.10%	97.87%
60.0	31.801	3.060	2982.31	0.09%	97.97%
61.0	30.652	2.980	2985.291	0.09%	98.07%
62.0	29.614	2.904	2988.195	0.09%	98.16%
63.0	28.556	2.829	2991.024	0.09%	98.26%
64.0	27.511	2.751	2993.775	0.08%	98.35%
65.0	26.674	2.682	2996.457	0.08%	98.43%
66.0	25.795	2.618	2999.074	0.08%	98.52%
67.0	24.944	2.551	3001.626	0.08%	98.60%
68.0	24.155	2.487	3004.113	0.08%	98.69%
69.0	23.373	2.425	3006.537	0.07%	98.77%
70.0	22.598	2.361	3008.898	0.07%	98.84%
71.0	21.885	2.299	3011.198	0.07%	98.92%
72.0	21.138	2.237	3013.435	0.07%	98.99%
73.0	20.460	2.175	3015.61	0.07%	99.06%
74.0	19.810	2.117	3017.727	0.06%	99.13%
75.0	19.090	2.055	3019.782	0.06%	99.20%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	18.454	1.993	3021.775	0.06%	99.27%
77.0	17.782	1.932	3023.707	0.06%	99.33%
78.0	17.173	1.871	3025.578	0.06%	99.39%
79.0	16.558	1.812	3027.391	0.06%	99.45%
80.0	15.949	1.752	3029.143	0.05%	99.51%
81.0	15.381	1.694	3030.838	0.05%	99.56%
82.0	14.849	1.639	3032.477	0.05%	99.62%
83.0	14.357	1.588	3034.065	0.05%	99.67%
84.0	13.894	1.539	3035.604	0.05%	99.72%
85.0	13.534	1.497	3037.101	0.05%	99.77%
86.0	13.202	1.461	3038.562	0.04%	99.82%
87.0	12.911	1.429	3039.991	0.04%	99.86%
88.0	12.655	1.400	3041.392	0.04%	99.91%
89.0	12.468	1.377	3042.769	0.04%	99.96%
90.0	12.392	1.363	3044.132	0.04%	100.00%

Zonal flux distribution table

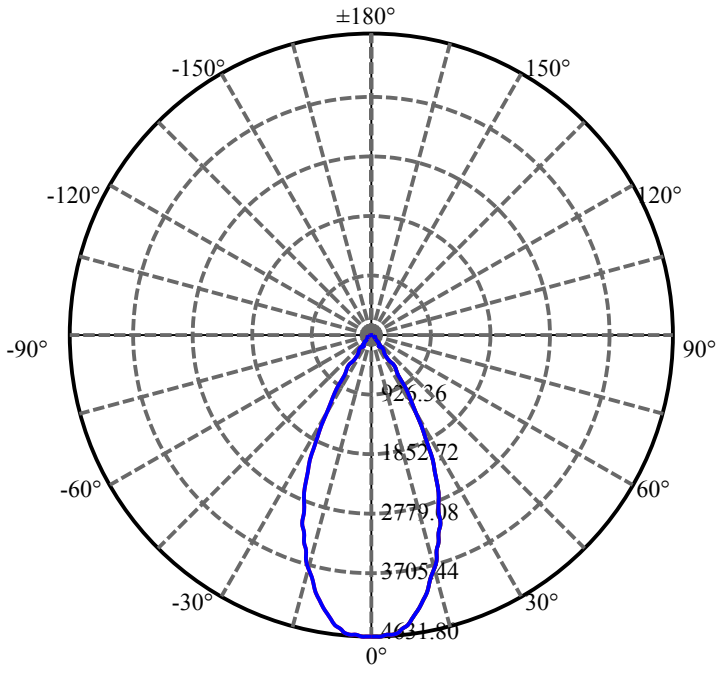
ZONAL LUMEN SUMMARY

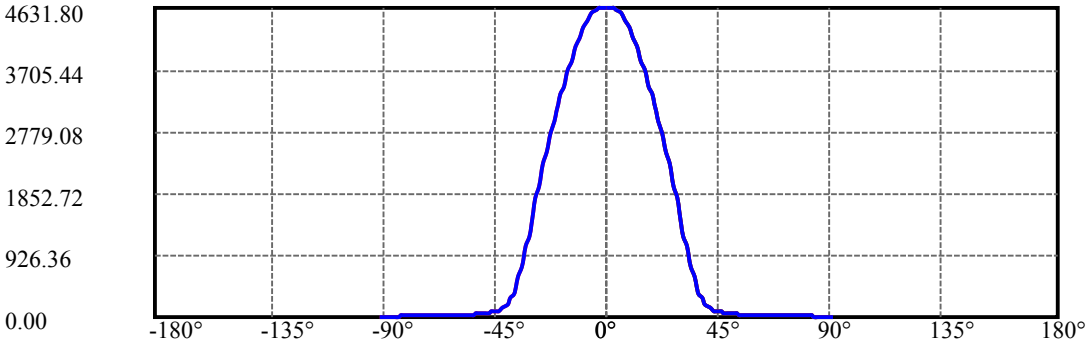
Zone	Lumens	%Lamp	%Fixt
0-30	2483.68	75.88%	81.59%
0-40	2879.44	87.97%	94.59%
0-60	2982.31	91.11%	97.97%
0-90	3042.77	92.96%	99.96%
0-120	3042.77	92.96%	99.96%
0-180	3044.13	93.00%	100.00%
60-90	60.46	1.85%	1.99%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-29.39	2435.31	74.40%	80.00%

ZONAL LUMEN SUMMARY

0-10	426.79
10-20	1028.49
20-30	1028.40
30-40	395.76
40-50	67.32
50-60	35.56
60-70	26.59
70-80	20.24
80-90	13.63
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:

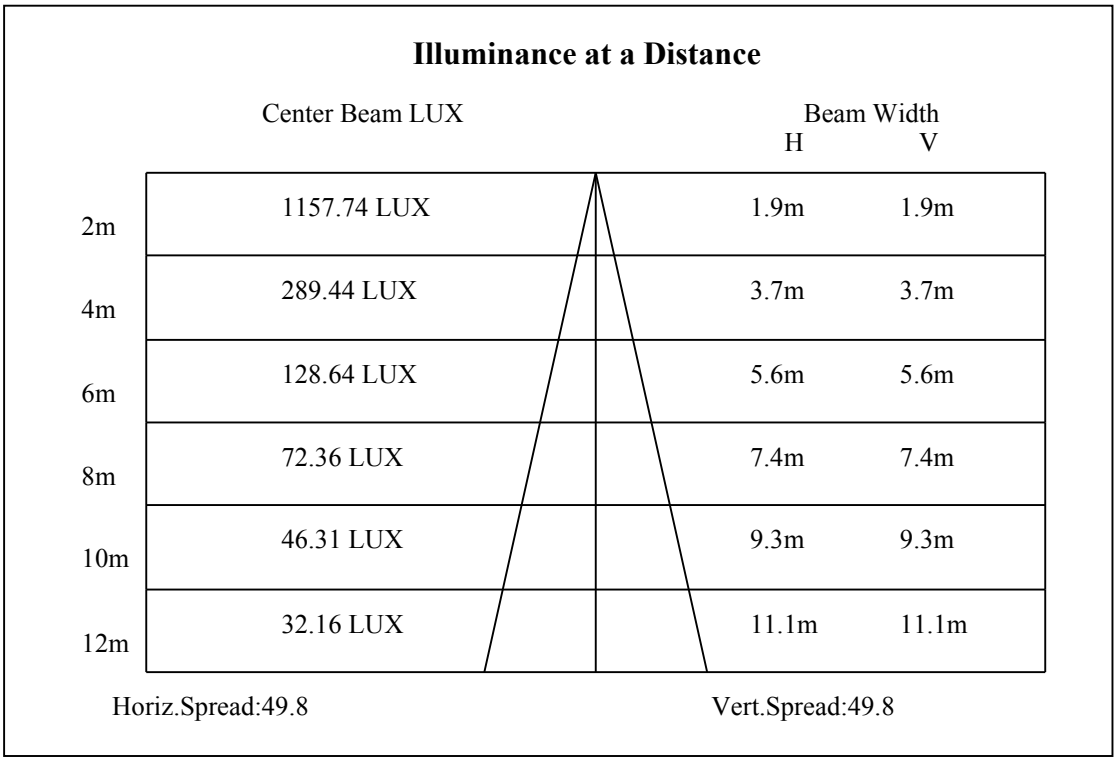
C90/C270:

Field angle(10%Imax):C0/180Left:36.0 Right:36.0
:C90/270Left:36.0 Right:36.0

Beam Angle(50%Imax):C0/180Left:24.9 Right:24.9
:C90/270Left:24.9 Right:24.9

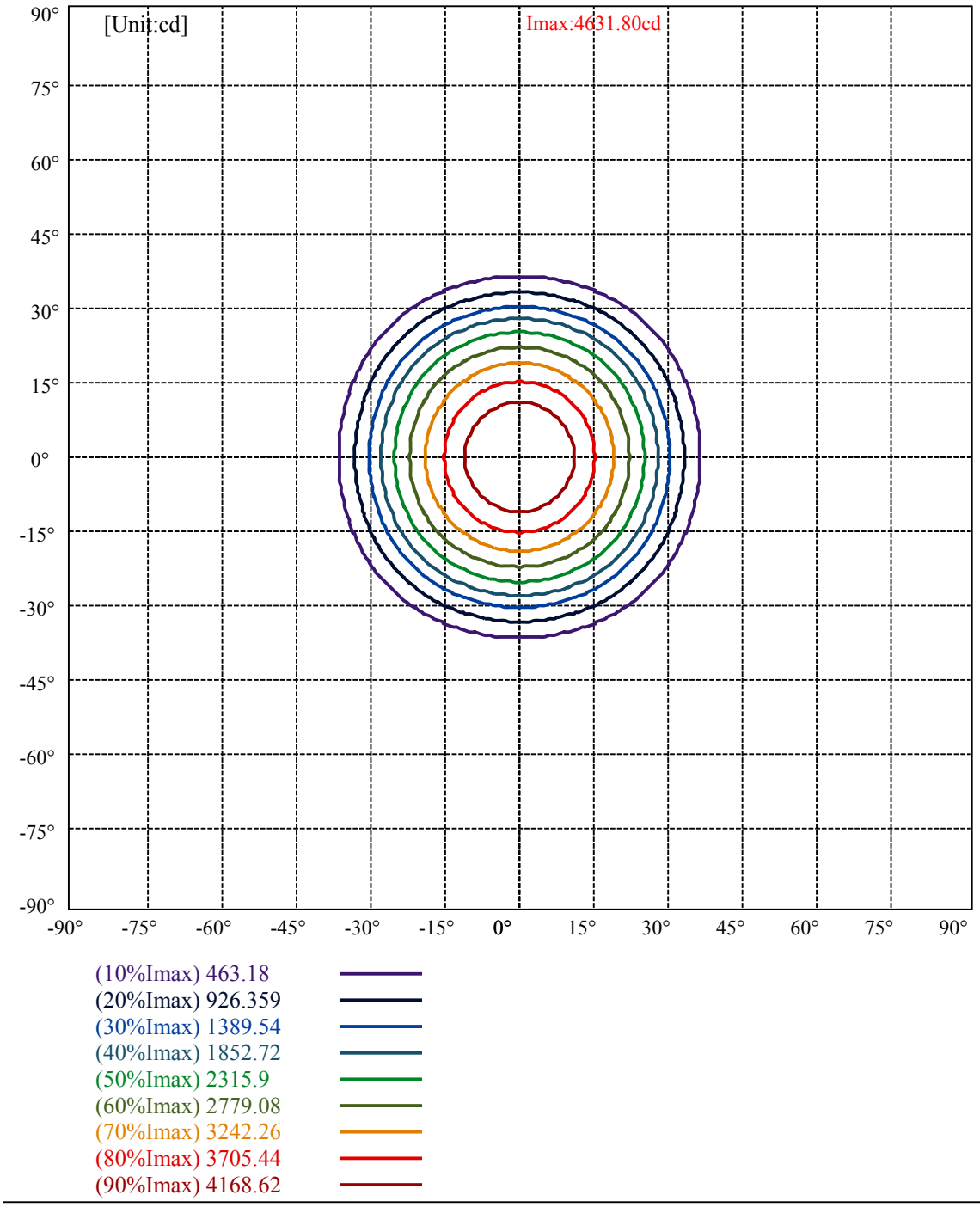
Equipment: GMS1980	Date: 2023/7/18	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.44

Lux distance Curve



Equipment: GMS1980 Date: 2023/7/18 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.44

ISO-Intensity(V-H)

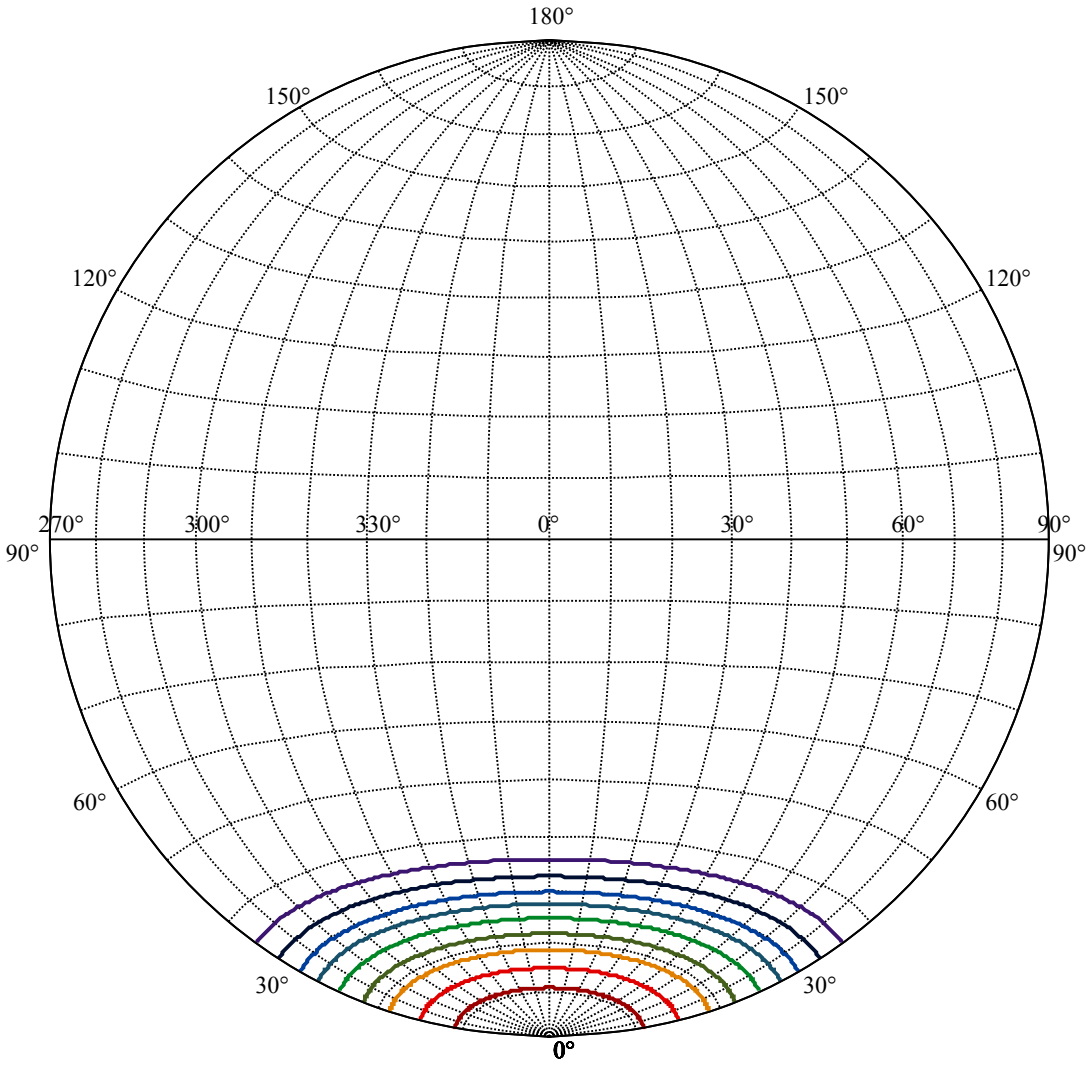


Equipment: GMS1980
Temperature(°C): 25.0

Date: 2023/7/18
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.44

ISO candela diagram on circular web



House [Unit:cd] Road

Imax:4631.80

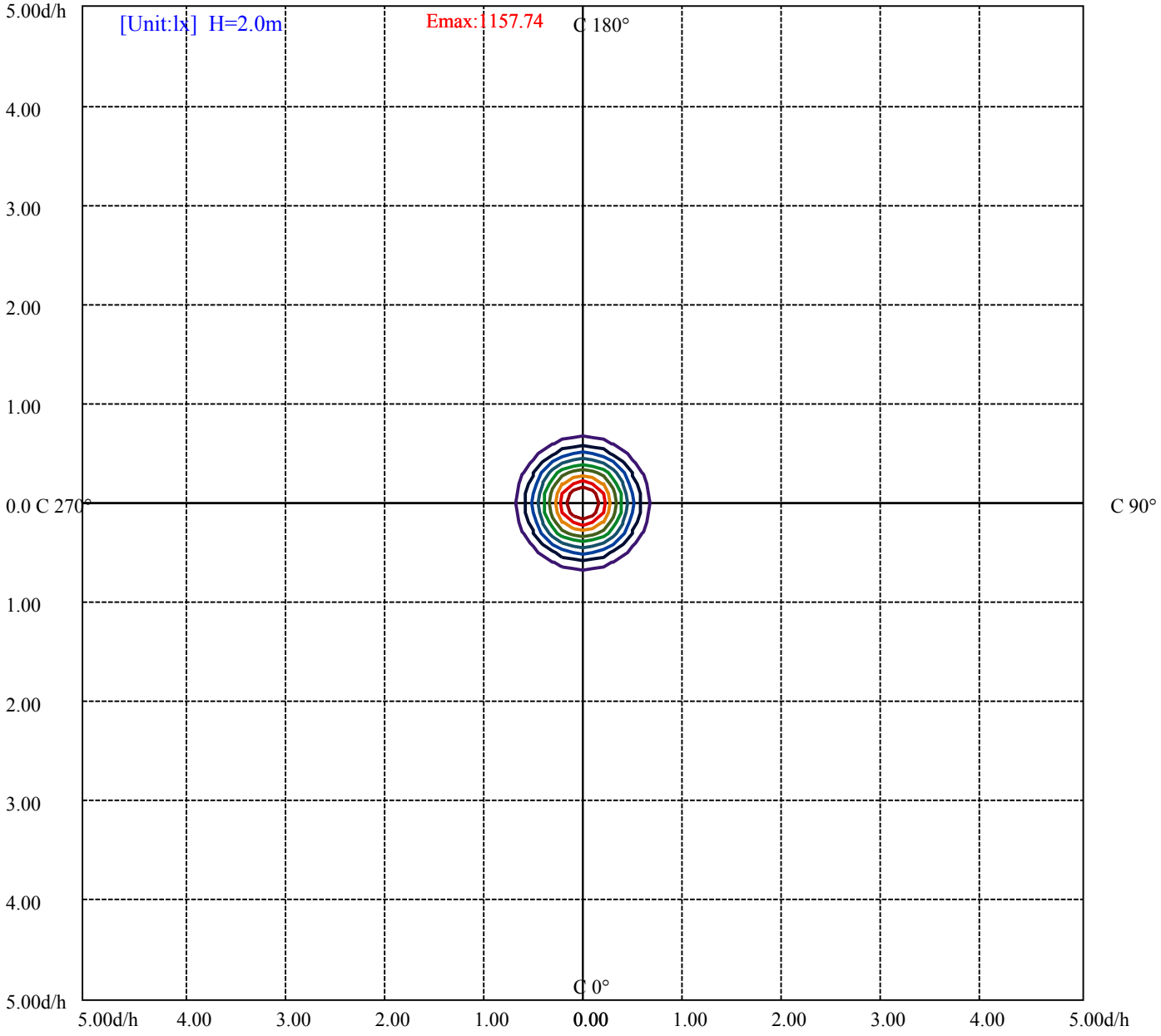
(10%Imax) 463.18
(20%Imax) 926.359
(30%Imax) 1389.54
(40%Imax) 1852.72
(50%Imax) 2315.9
(60%Imax) 2779.08
(70%Imax) 3242.26
(80%Imax) 3705.44
(90%Imax) 4168.62

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2023/7/18
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.44

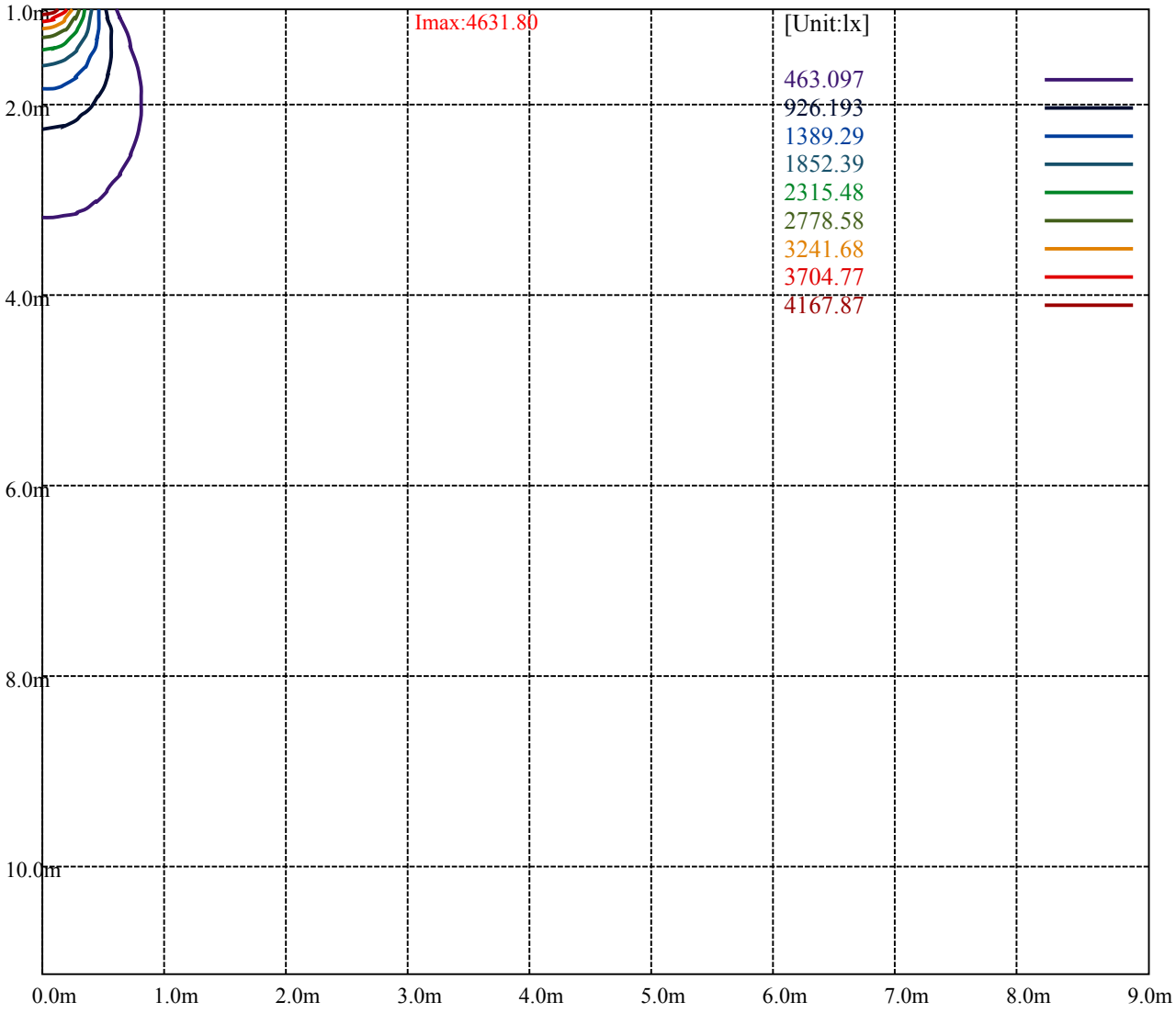
ISO illuminance diagram



(10%Emax) 115.7742
(20%Emax) 231.5482
(30%Emax) 347.3225
(40%Emax) 463.0975
(50%Emax) 578.87
(60%Emax) 694.645
(70%Emax) 810.42
(80%Emax) 926.1925
(90%Emax) 1041.968

Equipment: GMS1980
Temperature(°C): 25.0
Date: 2023/7/18
Humidity(%): 60.0%
Operator: NT07
Distance(m): 7.44

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 25.0

Date: 2023/7/18
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.44

Luminance Limitting Curve(no luminous side)

Luminance Table

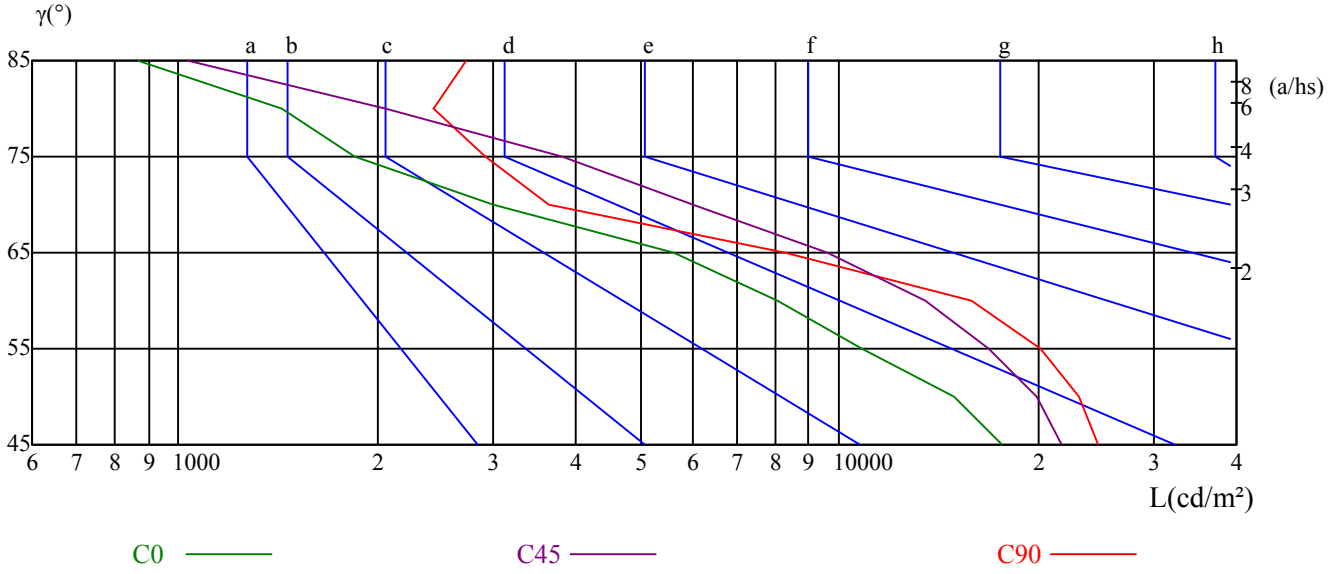
γ	45	50	55	60	65	70	75	80	85
C0	17707	14902	10843	8081	5637	2993	1851	1437	868
C45	21736	19918	16903	13532	9602	6004	3809	2064	1031
C90	24698	23118	20255	15854	8293	3645	2908	2436	2724

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
10642	10437	15758	4678	3676	7686	4962	3969	5458

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



Equipment: GMS1980
Temperature(°C): 25.0

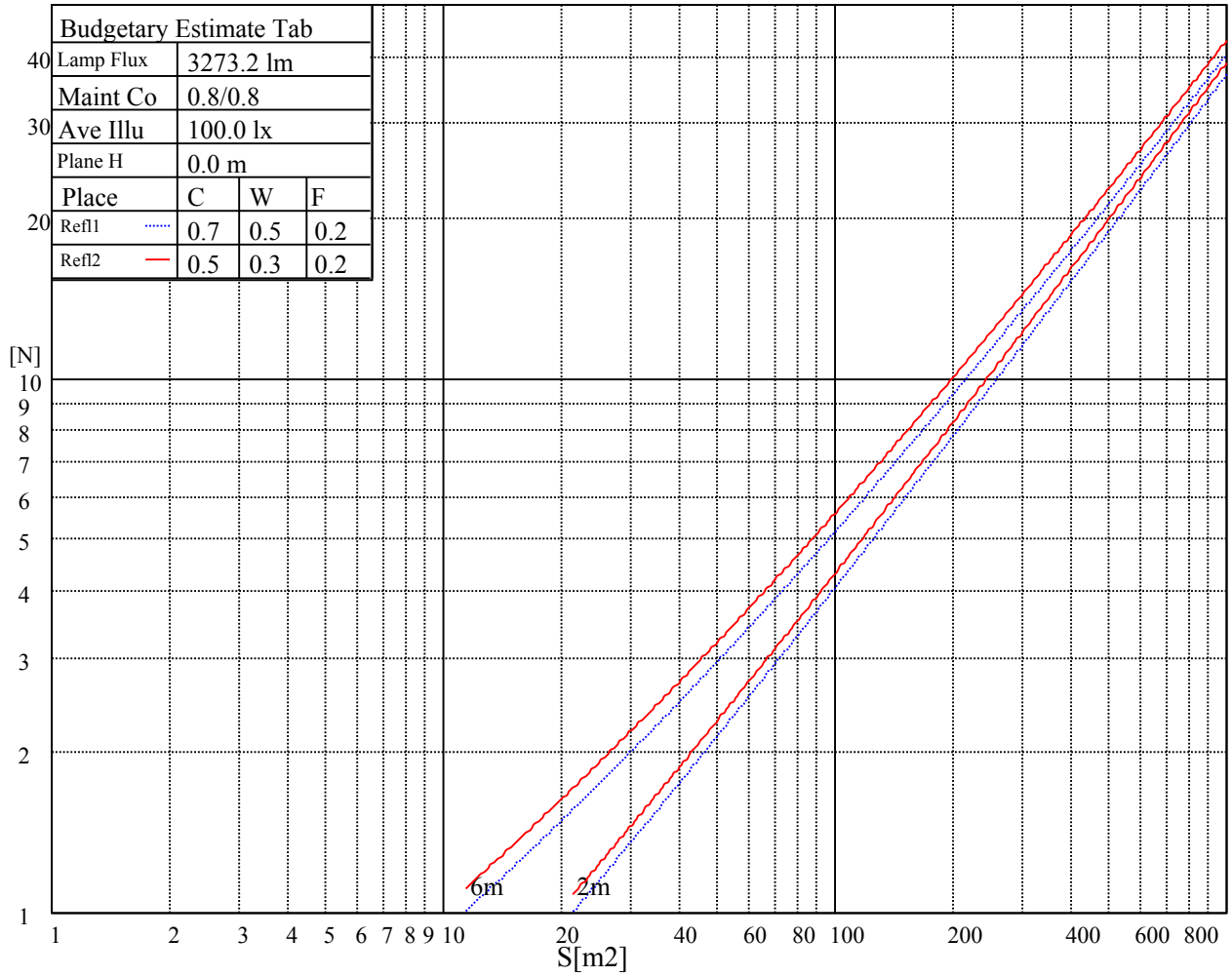
Date: 2023/7/18
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.44

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

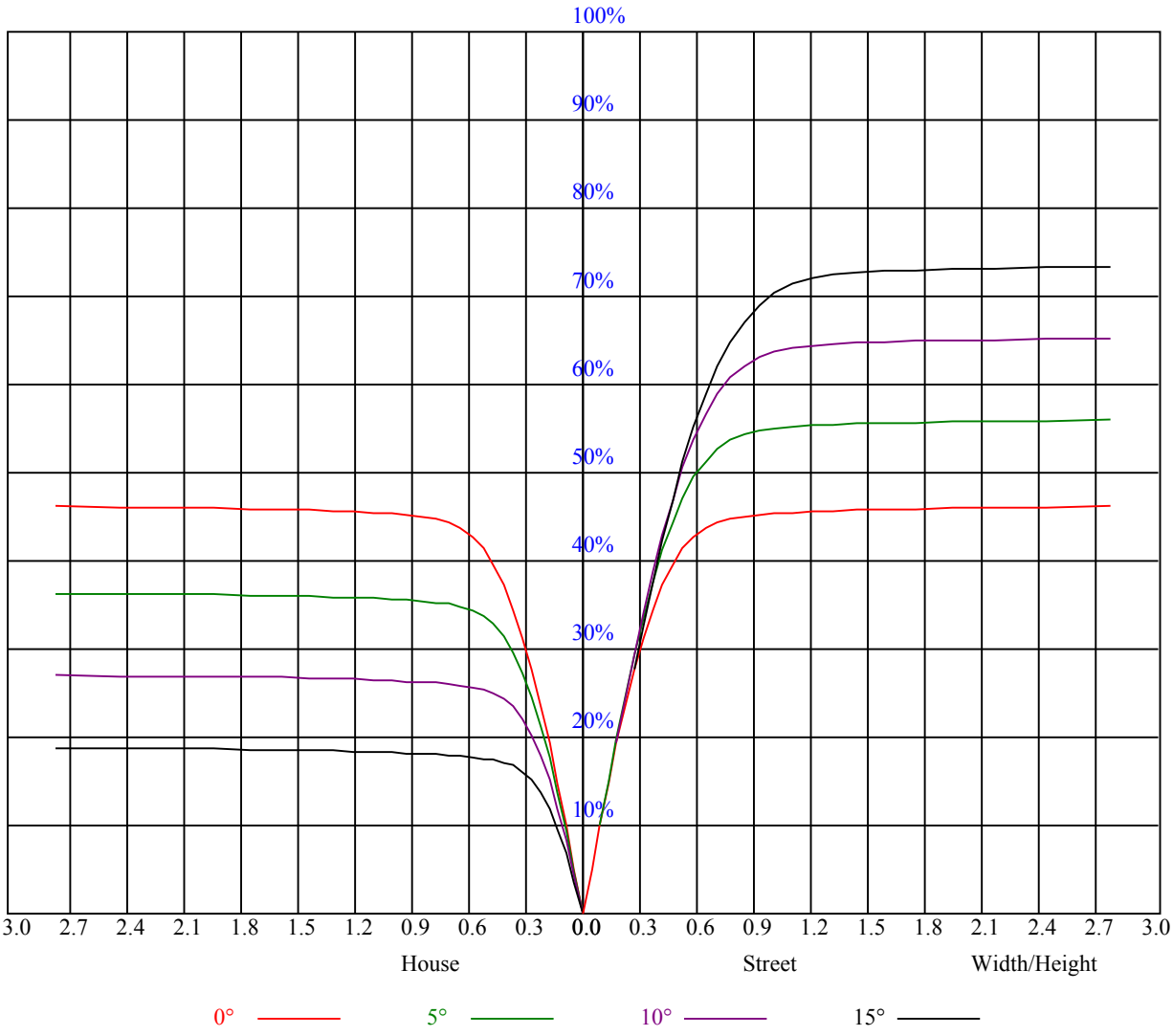


Equipment: GMS1980 Date: 2023/7/18 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.44

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	1.11	1.11	1.11	1.08	1.08	1.08	1.03	1.03	1.03	0.99	0.99	0.99	0.95	0.95	0.95	0.93
1	1.03	1.01	0.99	1.01	0.99	0.97	0.97	0.96	0.94	0.94	0.93	0.91	0.91	0.90	0.89	0.87
2	0.96	0.93	0.90	0.95	0.92	0.89	0.92	0.89	0.87	0.89	0.87	0.85	0.87	0.85	0.83	0.82
3	0.90	0.86	0.83	0.89	0.85	0.82	0.87	0.83	0.81	0.85	0.82	0.79	0.82	0.80	0.78	0.77
4	0.85	0.80	0.77	0.84	0.80	0.76	0.82	0.78	0.75	0.80	0.77	0.74	0.79	0.76	0.74	0.72
5	0.80	0.75	0.72	0.80	0.75	0.71	0.78	0.74	0.71	0.76	0.73	0.70	0.75	0.72	0.69	0.68
6	0.76	0.71	0.67	0.75	0.70	0.67	0.74	0.70	0.66	0.73	0.69	0.66	0.72	0.68	0.66	0.64
7	0.72	0.67	0.63	0.71	0.67	0.63	0.70	0.66	0.63	0.69	0.65	0.62	0.68	0.65	0.62	0.61
8	0.68	0.63	0.60	0.68	0.63	0.60	0.67	0.63	0.59	0.66	0.62	0.59	0.65	0.62	0.59	0.58
9	0.65	0.60	0.57	0.65	0.60	0.57	0.64	0.59	0.56	0.63	0.59	0.56	0.62	0.59	0.56	0.55
10	0.62	0.57	0.54	0.62	0.57	0.54	0.61	0.57	0.54	0.60	0.56	0.53	0.60	0.56	0.53	0.52

Coefficient Utilization Curve



Equipment: GMS1980	Date: 2023/7/18	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.44

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	4604.26	4572.71	4536.17	4488.01	4418.82	4354.61	4285.97	4212.91	4108.29
45.0	4630.83	4616.43	4599.28	4570.49	4536.73	4484.14	4437.64	4363.47	4298.15
90.0	4645.77	4651.86	4656.29	4647.99	4615.88	4576.58	4535.07	4457.57	4388.38
135.0	4643.00	4667.91	4687.29	4706.11	4736.00	4733.23	4702.79	4675.66	4638.58
180.0	4604.26	4626.40	4660.72	4690.06	4713.86	4736.00	4739.32	4731.02	4706.66
225.0	4630.83	4654.63	4670.13	4687.84	4689.50	4675.66	4647.99	4604.81	4546.69
270.0	4645.77	4637.47	4636.36	4624.74	4612.56	4584.88	4559.42	4501.30	4454.25
315.0	4643.00	4626.95	4597.61	4558.31	4515.14	4460.89	4386.72	4315.86	4241.14
360.0	4604.26	4572.71	4536.17	4488.01	4418.82	4354.61	4285.97	4212.91	4108.29

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	4018.06	3921.75	3821.56	3697.01	3595.16	3470.06	3363.78	3255.29	3115.80
45.0	4219.55	4133.20	4041.31	3922.85	3819.90	3690.37	3583.54	3467.85	3354.93
90.0	4303.13	4212.91	4081.17	3978.21	3869.16	3762.88	3627.27	3511.58	3393.12
135.0	4558.87	4481.93	4392.81	4266.60	4165.30	4045.74	3929.50	3781.70	3657.71
180.0	4651.86	4595.40	4516.80	4428.79	4308.67	4195.75	4078.40	3958.83	3809.38
225.0	4479.71	4376.20	4280.99	4181.36	4075.08	3935.03	3819.34	3708.64	3563.61
270.0	4399.45	4318.63	4203.50	4109.40	3977.65	3869.71	3761.22	3620.07	3512.13
315.0	4136.52	4043.53	3945.55	3820.45	3718.60	3597.38	3486.11	3380.94	3267.47
360.0	4018.06	3921.75	3821.56	3697.01	3595.16	3470.06	3363.78	3255.29	3115.80

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	3000.66	2877.22	2744.93	2571.12	2434.40	2300.99	2164.27	1971.09	1813.33
45.0	3213.77	3101.41	2976.86	2813.57	2674.63	2532.93	2390.67	2211.87	2054.12
90.0	3271.34	3112.48	2980.74	2799.73	2651.94	2455.98	2305.42	2155.41	1988.25
135.0	3529.29	3397.00	3230.93	3097.53	2917.63	2757.11	2598.24	2398.42	2243.43
180.0	3689.82	3552.54	3389.25	3263.59	3079.82	2925.38	2768.18	2613.74	2417.24
225.0	3440.17	3291.82	3162.30	3031.66	2853.98	2709.50	2560.05	2411.70	2231.80
270.0	3409.73	3287.39	3145.14	3030.00	2906.56	2766.52	2582.74	2450.45	2314.28
315.0	3126.32	3009.52	2882.76	2756.55	2583.30	2453.77	2325.90	2195.27	2012.60
360.0	3000.66	2877.22	2744.93	2571.12	2434.40	2300.99	2164.27	1971.09	1813.33

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1642.29	1309.06	1102.53	1102.53	904.59	758.84	621.29	466.91	362.95
45.0	1885.84	1713.14	1502.24	1332.86	1126.39	963.10	809.21	632.08	503.66
90.0	1767.39	1594.13	1280.27	1066.39	1023.76	859.81	706.48	567.21	414.93
135.0	2083.45	1912.97	1697.64	1521.62	1342.27	1164.03	954.24	794.82	648.69
180.0	2265.57	2118.88	1963.34	1750.23	1574.20	1397.62	1217.72	1006.27	847.41
225.0	2082.35	1922.93	1752.99	1540.44	1065.61	1065.61	984.52	828.59	681.62
270.0	2138.81	1983.26	1823.85	1612.40	1442.46	1233.78	1071.59	914.39	769.36
315.0	1858.72	1657.78	1495.05	1083.16	1083.16	964.20	814.97	677.80	523.87
360.0	1642.29	1309.06	1102.53	1102.53	904.59	758.84	621.29	466.91	362.95

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	278.54	214.61	164.12	141.32	123.88	109.93	95.54	85.96	77.94
45.0	390.19	293.87	293.87	154.93	132.63	114.42	102.85	92.88	84.25
90.0	315.63	235.31	164.40	134.51	116.08	104.56	94.93	86.19	76.94
135.0	488.72	377.46	284.46	284.46	150.89	127.87	111.54	100.91	91.50
180.0	665.85	531.89	416.20	295.53	295.53	205.20	131.19	112.76	101.63
225.0	517.45	402.97	305.50	211.12	160.30	130.97	115.74	100.63	90.84
270.0	599.98	479.86	373.03	281.14	281.14	153.33	131.69	115.30	99.64
315.0	414.38	319.94	244.22	182.83	153.66	132.41	112.31	99.69	89.12
360.0	278.54	214.61	164.12	141.32	123.88	109.93	95.54	85.96	77.94

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	69.41	63.60	57.24	53.19	49.71	46.28	43.78	41.68	39.74
45.0	74.95	68.69	63.16	56.85	52.86	49.54	46.28	44.12	42.07
90.0	70.30	64.49	59.01	53.69	50.15	47.38	45.06	42.35	40.52
135.0	81.48	74.56	68.42	62.60	57.57	52.70	49.54	46.94	44.01
180.0	91.89	83.69	74.95	68.92	63.32	57.12	53.25	49.87	46.50
225.0	82.59	75.45	67.70	62.05	56.90	51.92	48.49	45.17	42.95
270.0	89.40	78.99	72.18	66.26	59.51	55.02	51.26	48.10	44.95
315.0	78.71	71.96	66.26	59.67	55.41	51.64	47.88	45.28	42.90
360.0	69.41	63.60	57.24	53.19	49.71	46.28	43.78	41.68	39.74

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	37.59	36.09	34.71	33.38	31.88	30.78	29.72	28.51	27.62
45.0	39.80	38.25	36.81	35.48	33.93	32.77	31.61	30.56	29.34
90.0	38.42	36.92	35.54	33.88	32.71	31.66	30.61	29.39	28.51
135.0	41.96	40.13	38.08	36.59	34.93	33.65	32.49	31.39	30.33
180.0	44.28	41.85	40.02	38.47	37.14	35.43	34.26	33.10	31.99
225.0	40.91	38.75	37.20	35.76	34.49	32.94	31.77	30.78	29.72
270.0	42.73	40.68	38.91	36.92	35.43	34.10	32.60	31.50	30.39
315.0	40.85	38.53	36.92	35.43	34.10	32.49	31.33	30.00	29.01
360.0	37.59	36.09	34.71	33.38	31.88	30.78	29.72	28.51	27.62

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	26.79	25.79	25.02	24.30	23.41	22.69	22.03	21.37	20.65
45.0	28.34	27.23	26.46	25.68	24.74	24.02	23.30	22.53	21.70
90.0	27.57	26.51	25.74	24.96	24.19	23.30	22.53	21.70	21.03
135.0	29.06	28.12	27.29	26.29	25.46	24.69	23.91	22.97	22.31
180.0	30.72	29.67	28.67	27.79	26.74	25.91	24.91	24.13	23.36
225.0	28.73	27.57	26.74	25.74	24.91	24.19	23.30	22.64	21.92
270.0	29.17	28.17	27.29	26.24	25.46	24.69	23.97	23.08	22.42
315.0	28.06	27.01	26.18	25.35	24.63	23.75	23.03	22.36	21.70
360.0	26.79	25.79	25.02	24.30	23.41	22.69	22.03	21.37	20.65

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	19.98	19.37	18.76	18.05	17.49	16.88	16.22	15.72	15.06
45.0	21.09	20.43	19.76	18.93	18.38	17.77	17.05	16.50	15.94
90.0	20.43	19.65	19.04	18.43	17.71	17.10	16.55	15.94	15.39
135.0	21.42	20.76	20.09	19.32	18.71	18.10	17.49	16.77	16.22
180.0	22.47	21.75	21.09	20.37	19.54	18.88	18.27	17.60	16.88
225.0	21.09	20.48	19.82	19.21	18.60	17.82	17.27	16.66	16.00
270.0	21.75	21.03	20.31	19.65	18.99	18.27	17.66	16.94	16.38
315.0	20.87	20.20	19.60	18.76	18.21	17.44	16.88	16.33	15.72
360.0	19.98	19.37	18.76	18.05	17.49	16.88	16.22	15.72	15.06

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	14.56	14.23	13.84	13.40	13.12	12.84	12.62	12.40	12.34
45.0	15.28	14.78	14.23	13.84	13.45	13.12	12.84	12.57	12.40
90.0	14.83	14.28	13.89	13.51	13.23	12.90	12.68	12.45	12.34
135.0	15.67	15.06	14.50	14.00	13.62	13.28	13.01	12.73	12.45
180.0	16.27	15.67	15.06	14.45	14.12	13.62	13.28	13.01	12.73
225.0	15.44	14.89	14.39	13.95	13.51	13.23	12.95	12.68	12.45
270.0	15.83	15.17	14.67	14.23	13.78	13.45	13.06	12.79	12.57
315.0	15.17	14.72	14.28	13.78	13.45	13.17	12.84	12.62	12.45
360.0	14.56	14.23	13.84	13.40	13.12	12.84	12.62	12.40	12.34

Intensity data(cd)

C/γ(°)	90.0
0.0	12.40
45.0	12.34
90.0	12.40
135.0	12.40
180.0	12.45
225.0	12.34
270.0	12.40
315.0	12.40
360.0	12.40