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NT

Client:
LumCAT: 2-2642-L
Luminaire: 92.70.412.00
Report No: 20231031-B017
Ballast type: AC

Test No: 20231031-C017	Voltage(V): 34.660
LampCAT: Fortimo_SLM_C_1208	Current(A): 0.576
Lamp flux(lm): 3260.6	Power (W): 19.964
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 3028.02, Efficiency(%): 92.87% , Luminous Efficacy(lm/W): 151.67
Central intensity(cd): 4705.333, Maximum intensity(cd): 4705.333
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=48.4
[C90/270]Total=48.4
Field angle(10%Imax): [C0/180]Total=71.8
[C90/270]Total=71.8
Maximum s/h(1/2): C0_180=0.76 C90_270=0.76
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(%): 92.87%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 97.780%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	4705.333	0.000	0	0.00%	0.00%
1.0	4701.804	4.501	4.501	0.14%	0.15%
2.0	4696.615	13.490	17.991	0.41%	0.59%
3.0	4683.814	22.435	40.426	0.69%	1.34%
4.0	4660.912	31.280	71.705	0.96%	2.37%
5.0	4622.648	39.937	111.643	1.22%	3.69%
6.0	4574.767	48.335	159.978	1.48%	5.28%
7.0	4512.633	56.405	216.383	1.73%	7.15%
8.0	4437.283	64.053	280.436	1.96%	9.26%
9.0	4353.215	71.242	351.678	2.18%	11.61%
10.0	4251.226	77.867	429.545	2.39%	14.19%
11.0	4148.476	83.930	513.475	2.57%	16.96%
12.0	4026.282	89.362	602.837	2.74%	19.91%
13.0	3910.870	94.194	697.031	2.89%	23.02%
14.0	3789.161	98.560	795.591	3.02%	26.27%
15.0	3665.861	102.346	897.937	3.14%	29.65%
16.0	3534.881	105.511	1003.448	3.24%	33.14%
17.0	3403.139	108.044	1111.491	3.31%	36.71%
18.0	3272.020	110.059	1221.55	3.38%	40.34%
19.0	3131.699	111.412	1332.962	3.42%	44.02%
20.0	2992.070	112.082	1445.044	3.44%	47.72%
21.0	2852.994	112.237	1557.281	3.44%	51.43%
22.0	2695.374	111.497	1668.778	3.42%	55.11%
23.0	2541.907	109.892	1778.67	3.37%	58.74%
24.0	2385.117	107.722	1886.392	3.30%	62.30%
25.0	2240.783	105.183	1991.575	3.23%	65.77%
26.0	2086.900	102.155	2093.731	3.13%	69.15%
27.0	1926.167	98.181	2191.911	3.01%	72.39%
28.0	1758.376	93.285	2285.196	2.86%	75.47%
29.0	1550.662	86.574	2371.77	2.66%	78.33%
30.0	1312.766	77.312	2449.082	2.37%	80.88%
31.0	1198.821	69.894	2518.976	2.14%	83.19%
32.0	1054.258	64.548	2583.524	1.98%	85.32%
33.0	877.742	56.917	2640.441	1.75%	87.20%
34.0	724.253	48.481	2688.922	1.49%	88.80%
35.0	576.563	40.399	2729.321	1.24%	90.14%
36.0	460.182	33.010	2762.331	1.01%	91.23%
37.0	350.866	26.452	2788.783	0.81%	92.10%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	274.796	20.884	2809.666	0.64%	92.79%
39.0	238.436	17.518	2827.184	0.54%	93.37%
40.0	192.368	15.025	2842.209	0.46%	93.86%
41.0	144.570	11.998	2854.208	0.37%	94.26%
42.0	128.836	9.933	2864.141	0.30%	94.59%
43.0	115.032	9.034	2873.174	0.28%	94.89%
44.0	103.788	8.259	2881.433	0.25%	95.16%
45.0	94.046	7.603	2889.036	0.23%	95.41%
46.0	85.480	7.021	2896.057	0.22%	95.64%
47.0	77.959	6.500	2902.557	0.20%	95.86%
48.0	71.323	6.035	2908.592	0.19%	96.06%
49.0	65.850	5.633	2914.225	0.17%	96.24%
50.0	60.979	5.288	2919.513	0.16%	96.42%
51.0	56.807	4.983	2924.497	0.15%	96.58%
52.0	53.423	4.730	2929.227	0.15%	96.74%
53.0	50.434	4.518	2933.744	0.14%	96.89%
54.0	47.680	4.324	2938.069	0.13%	97.03%
55.0	45.099	4.142	2942.21	0.13%	97.17%
56.0	42.968	3.980	2946.19	0.12%	97.30%
57.0	41.010	3.840	2950.03	0.12%	97.42%
58.0	39.183	3.708	2953.738	0.11%	97.55%
59.0	37.564	3.588	2957.326	0.11%	97.67%
60.0	35.924	3.472	2960.798	0.11%	97.78%
61.0	34.534	3.362	2964.16	0.10%	97.89%
62.0	33.122	3.260	2967.42	0.10%	98.00%
63.0	31.911	3.163	2970.583	0.10%	98.10%
64.0	30.721	3.073	2973.657	0.09%	98.20%
65.0	29.635	2.987	2976.644	0.09%	98.30%
66.0	28.556	2.903	2979.547	0.09%	98.40%
67.0	27.559	2.822	2982.369	0.09%	98.49%
68.0	26.625	2.745	2985.113	0.08%	98.58%
69.0	25.670	2.668	2987.781	0.08%	98.67%
70.0	24.791	2.592	2990.373	0.08%	98.76%
71.0	23.947	2.519	2992.892	0.08%	98.84%
72.0	23.117	2.447	2995.339	0.08%	98.92%
73.0	22.308	2.375	2997.715	0.07%	99.00%
74.0	21.491	2.303	3000.017	0.07%	99.08%
75.0	20.744	2.232	3002.249	0.07%	99.15%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	19.962	2.161	3004.409	0.07%	99.22%
77.0	19.228	2.089	3006.499	0.06%	99.29%
78.0	18.495	2.019	3008.518	0.06%	99.36%
79.0	17.769	1.948	3010.467	0.06%	99.42%
80.0	17.070	1.878	3012.345	0.06%	99.48%
81.0	16.419	1.811	3014.156	0.06%	99.54%
82.0	15.776	1.746	3015.902	0.05%	99.60%
83.0	15.146	1.681	3017.583	0.05%	99.66%
84.0	14.641	1.623	3019.206	0.05%	99.71%
85.0	14.191	1.574	3020.779	0.05%	99.76%
86.0	13.755	1.528	3022.307	0.05%	99.81%
87.0	13.389	1.486	3023.792	0.05%	99.86%
88.0	12.987	1.445	3025.237	0.04%	99.91%
89.0	12.621	1.404	3026.641	0.04%	99.95%
90.0	12.489	1.377	3028.017	0.04%	100.00%

Zonal flux distribution table

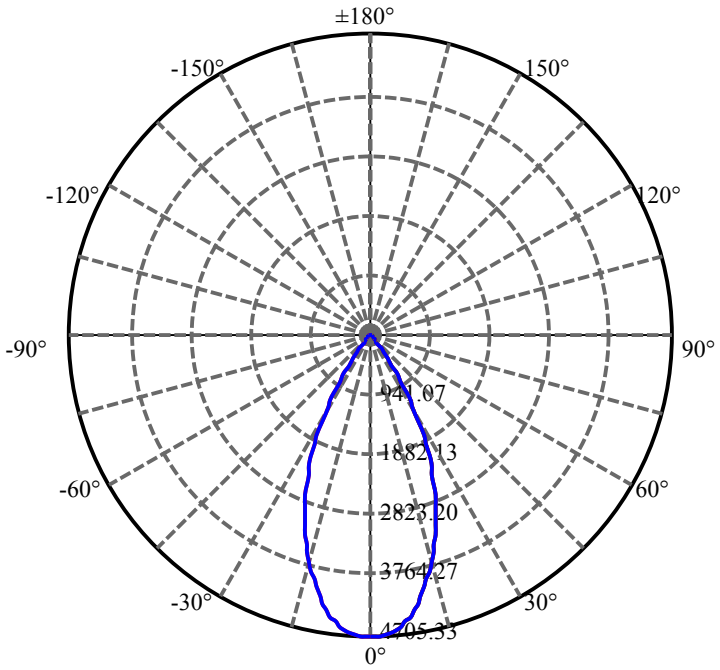
ZONAL LUMEN SUMMARY

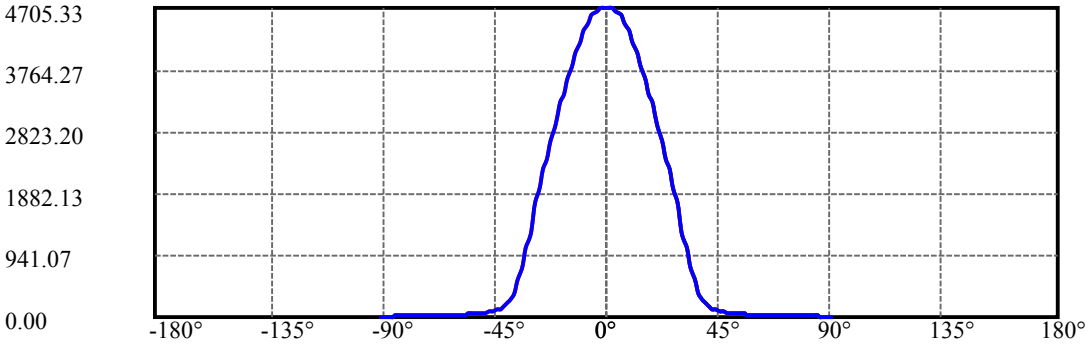
Zone	Lumens	%Lamp	%Fixt
0-30	2449.08	75.11%	80.88%
0-40	2842.21	87.17%	93.86%
0-60	2960.80	90.81%	97.78%
0-90	3026.64	92.83%	99.95%
0-120	3026.64	92.83%	99.95%
0-180	3028.02	92.87%	100.00%
60-90	65.84	2.02%	2.17%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-29.66	2422.41	74.29%	80.00%

ZONAL LUMEN SUMMARY

0-10	429.55
10-20	1015.50
20-30	1004.04
30-40	393.13
40-50	77.30
50-60	41.28
60-70	29.57
70-80	21.97
80-90	14.30
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):

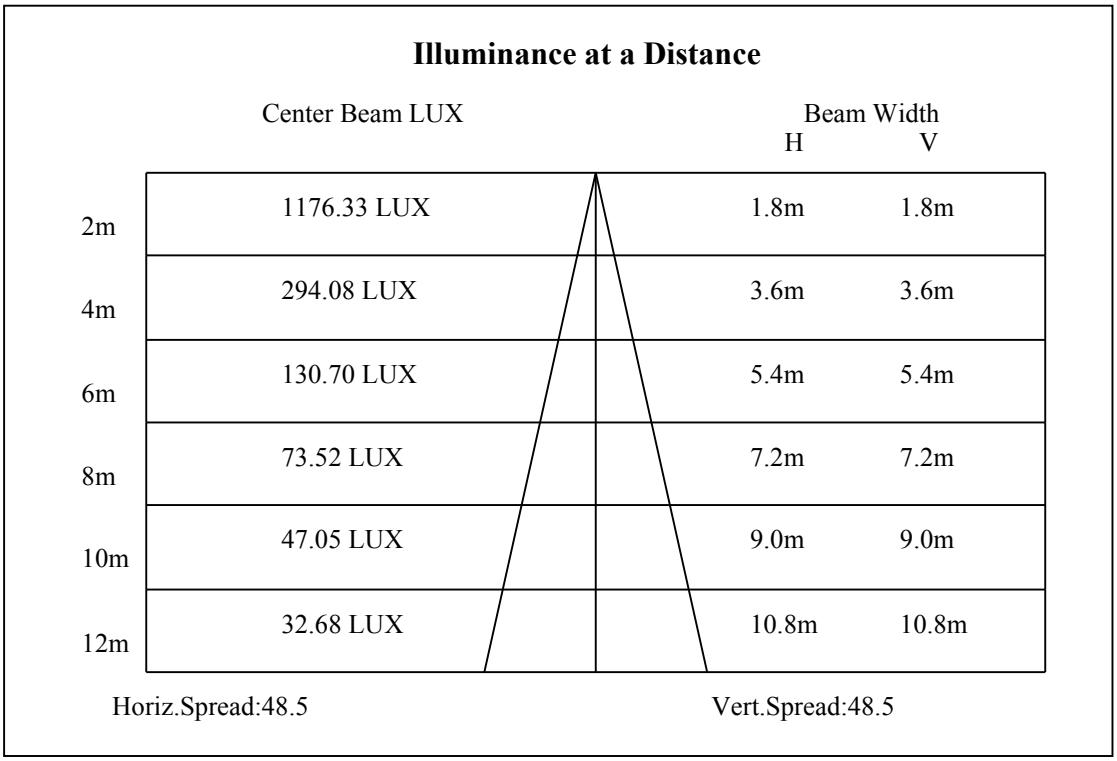
C0/C180:

C90/C270:

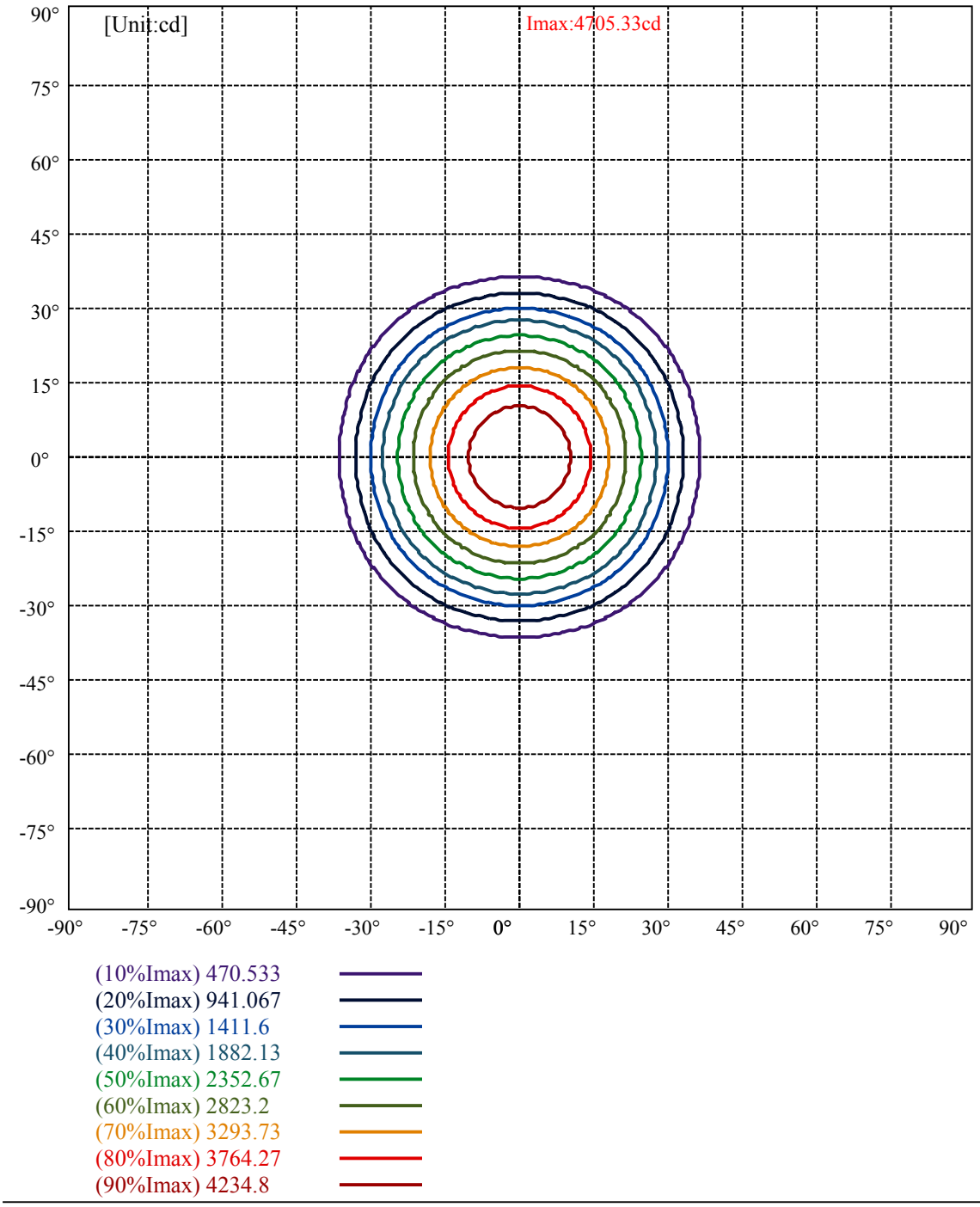
Field angle(10%Imax):C0/180Left:35.9 Right:35.9
:C90/270Left:35.9 Right:35.9

Beam Angle(50%Imax):C0/180Left:24.2 Right:24.2
:C90/270Left:24.2 Right:24.2

Lux distance Curve



ISO-Intensity(V-H)

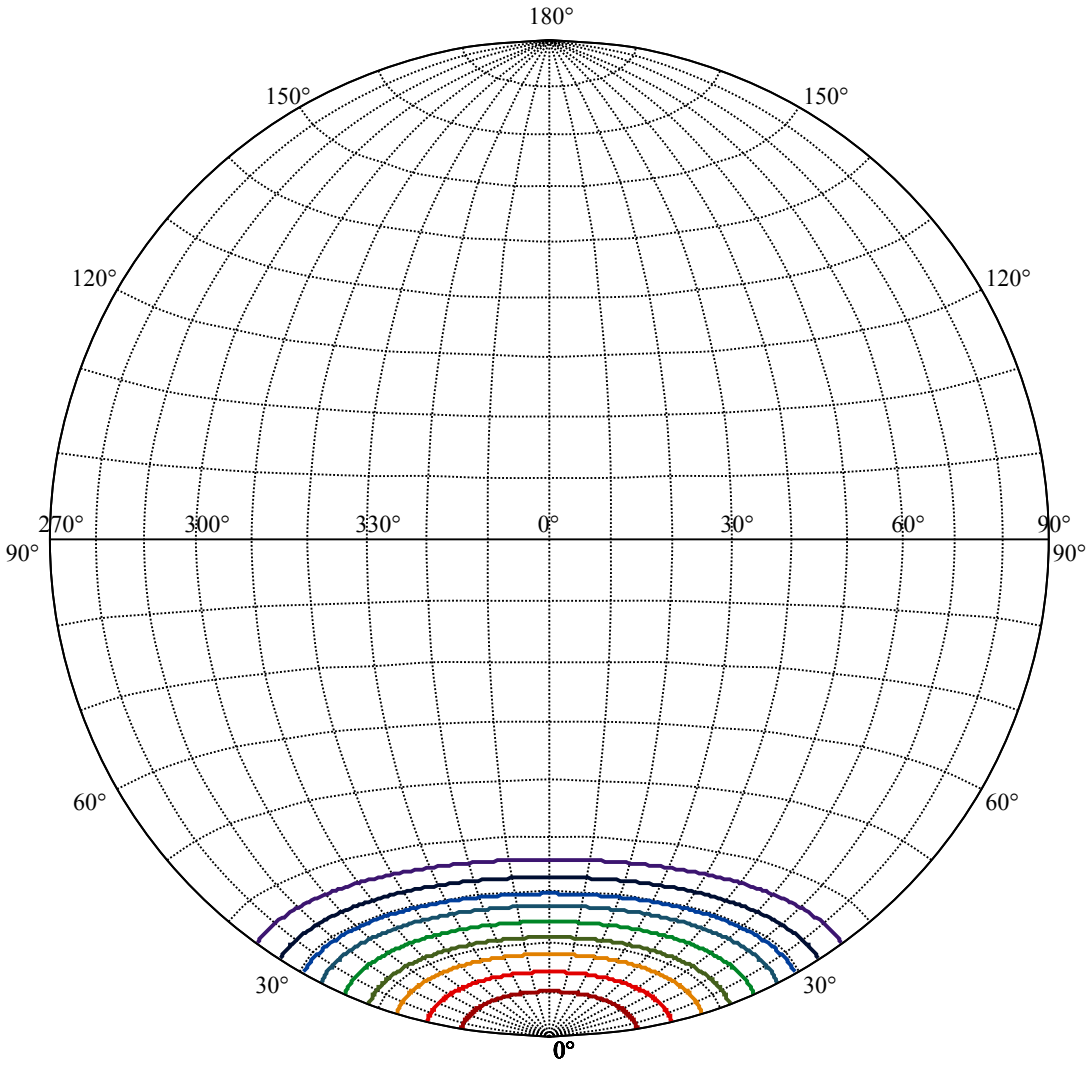


Equipment: GMS1980
Temperature(°C): 0.0

Date: 2023/10/31
Humidity(%): 0.0%

Operator: NT07
Distance(m): 7.44

ISO candela diagram on circular web



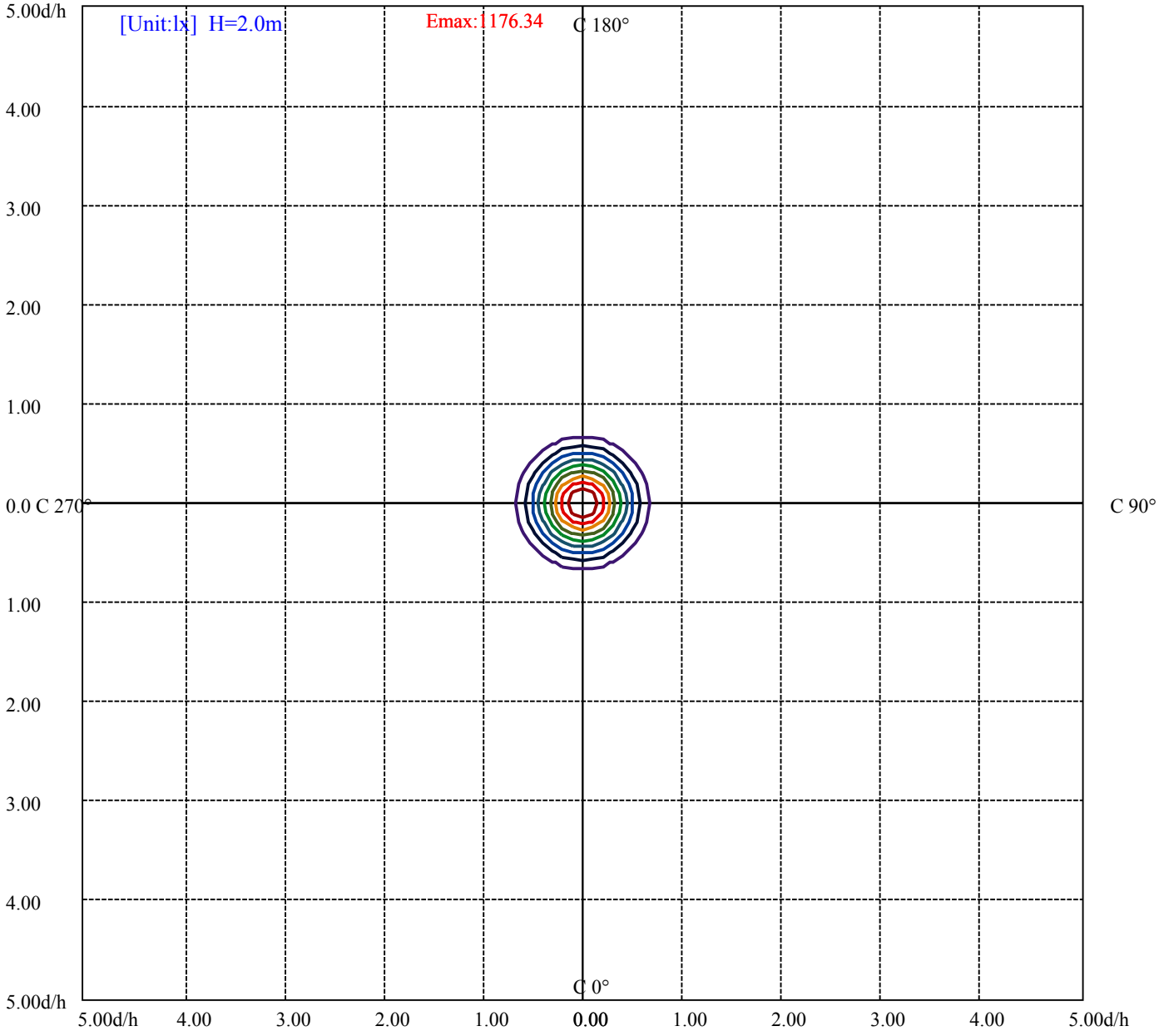
[Unit:cd]

Imax:4705.33

(10%Imax) 470.533
(20%Imax) 941.067
(30%Imax) 1411.6
(40%Imax) 1882.13
(50%Imax) 2352.67
(60%Imax) 2823.2
(70%Imax) 3293.73
(80%Imax) 3764.27
(90%Imax) 4234.8

NT 2-2642-L

ISO illuminance diagram



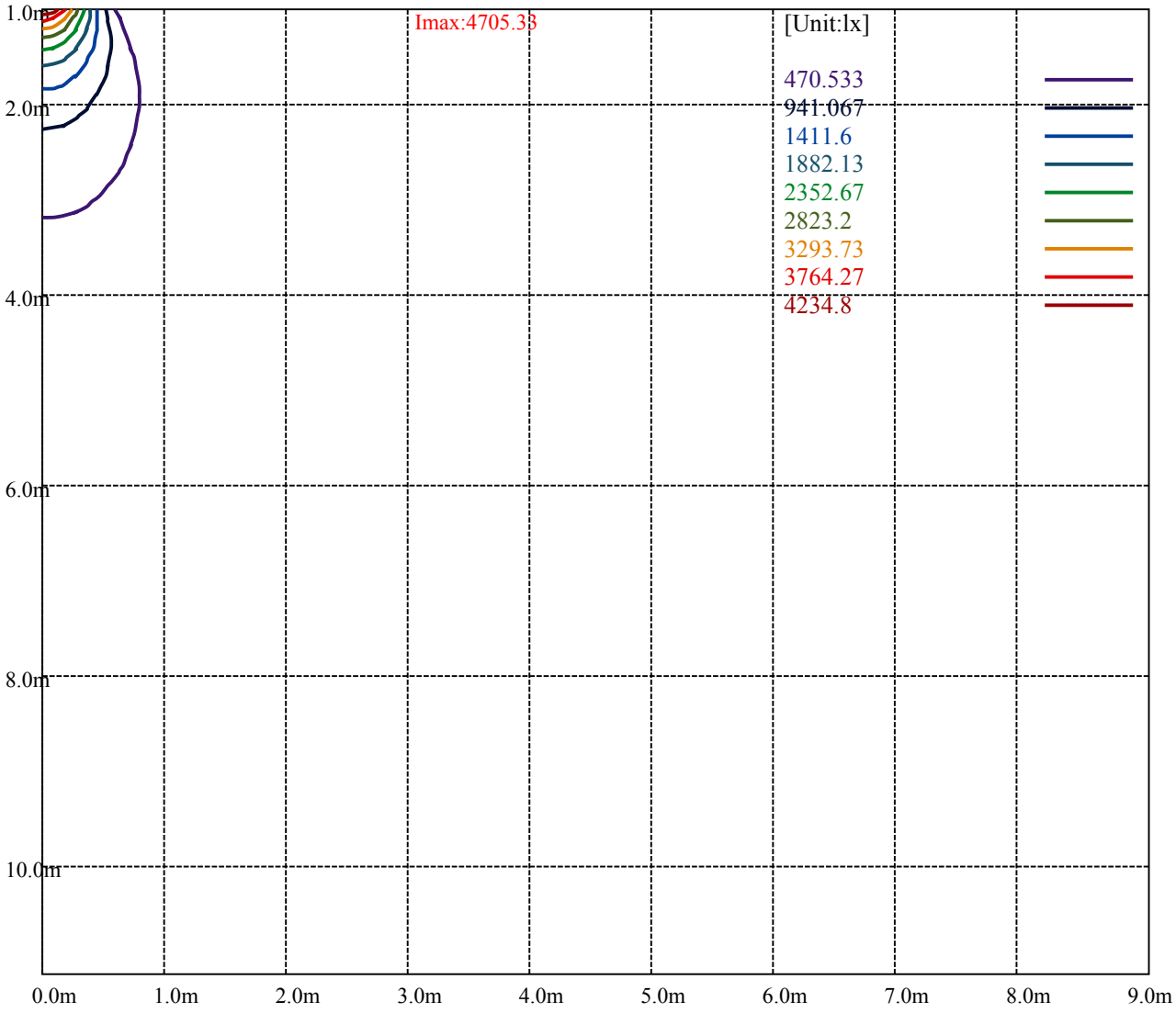
(10%Emax) 117.6332
(20%Emax) 235.2665
(30%Emax) 352.9
(40%Emax) 470.5325
(50%Emax) 588.1675
(60%Emax) 705.8
(70%Emax) 823.4325
(80%Emax) 941.0675
(90%Emax) 1058.7

Equipment: GMS1980
Temperature(°C): 0.0

Date: 2023/10/31
Humidity(%): 0.0%

Operator: NT07
Distance(m): 7.44

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 0.0

Date: 2023/10/31
Humidity(%): 0.0%

Operator: NT07
Distance(m): 7.44

Luminance Limitting Curve(no luminous side)

Luminance Table

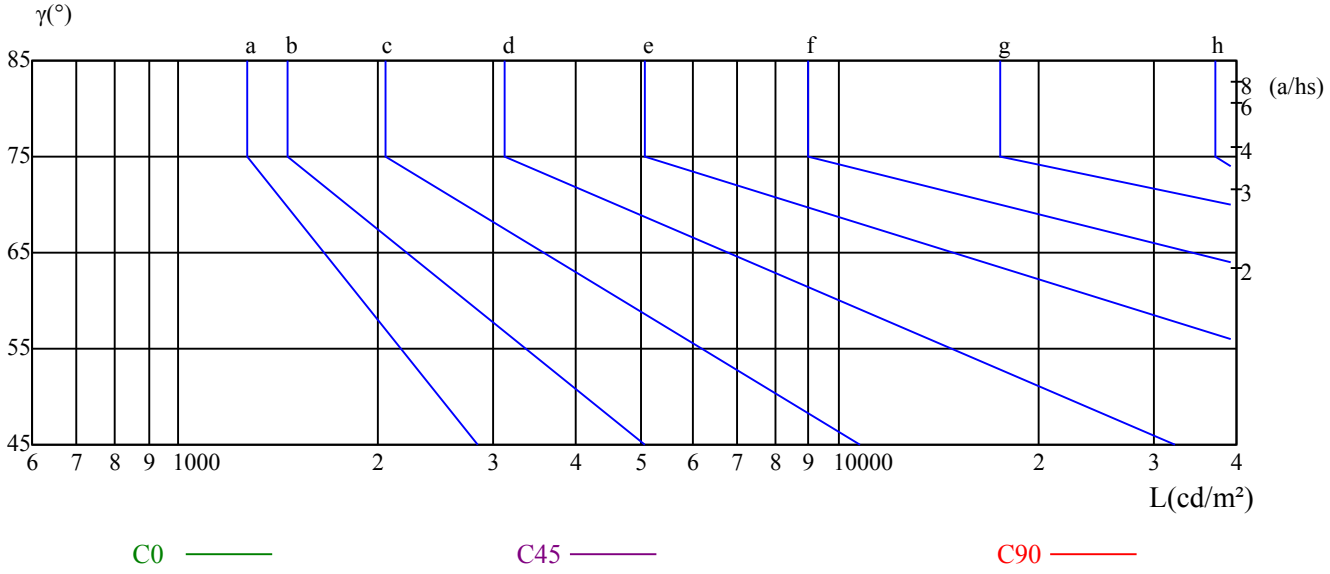
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

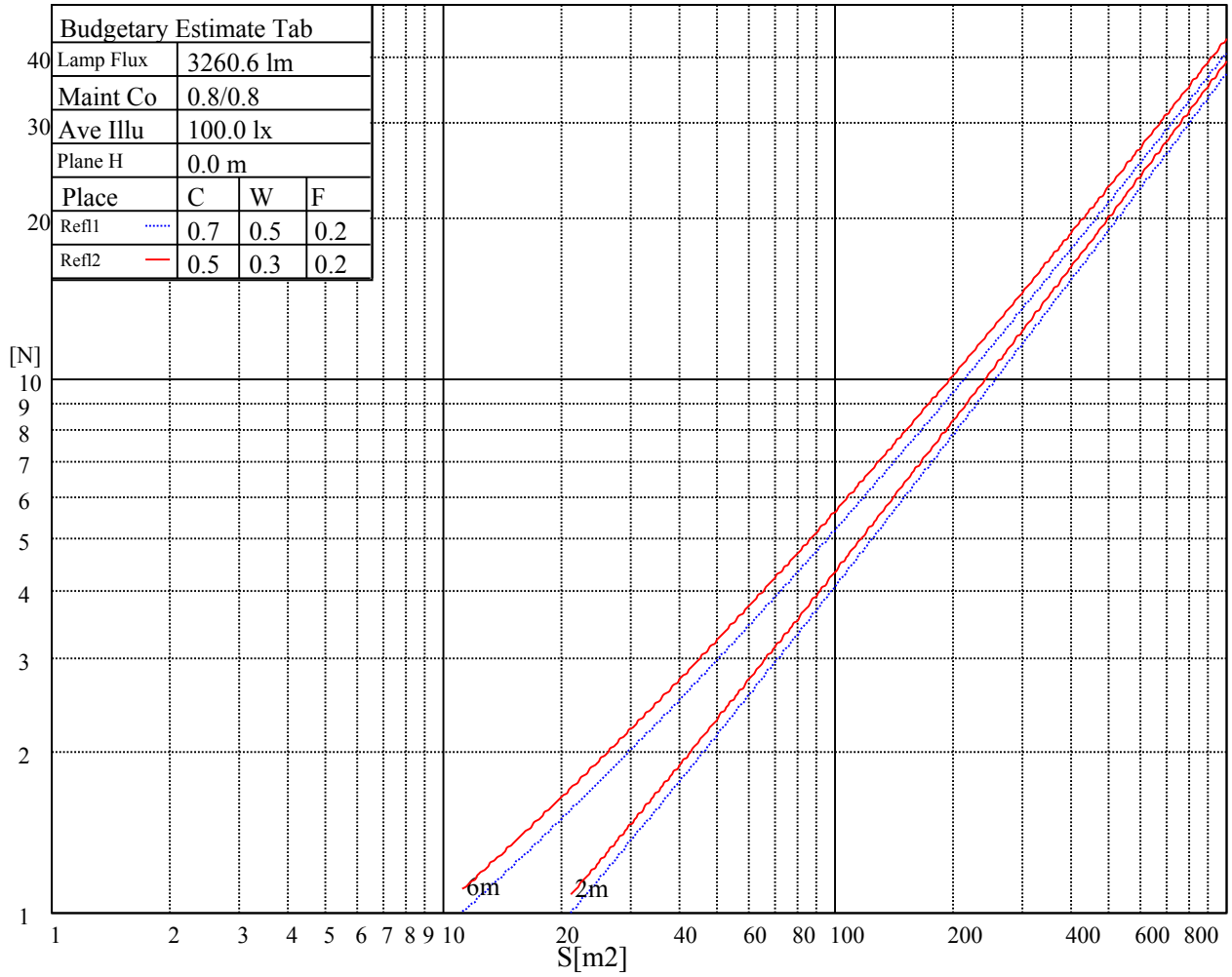
Luminance Limitting Curve



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

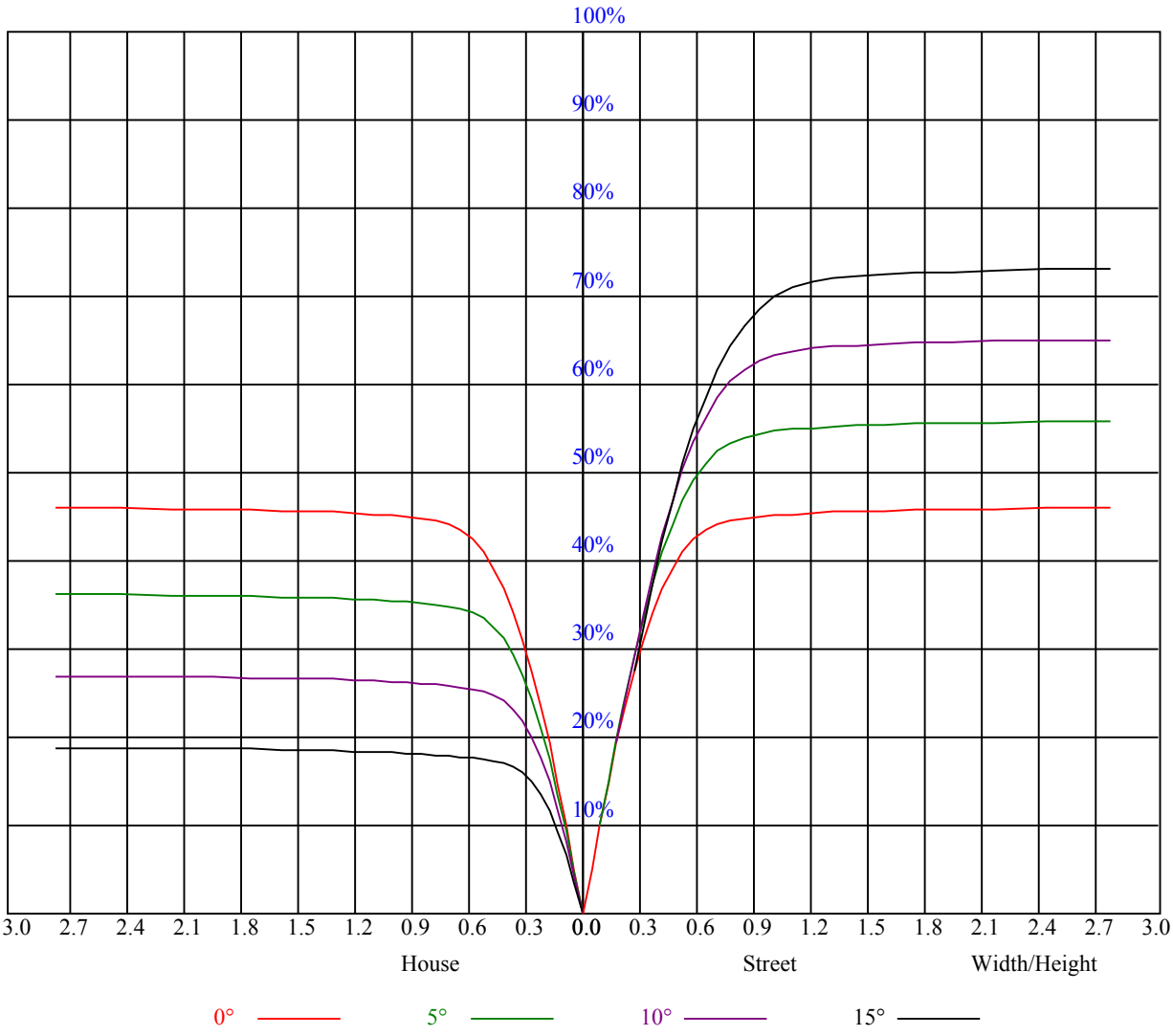


Equipment: GMS1980 Date: 2023/10/31 Operator: NT07
Temperature(°C): 0.0 Humidity(%): 0.0% Distance(m): 7.44

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	0.95	0.94	0.94	0.92	0.91	0.90	0.89	0.89	0.87
2	0.96	0.92	0.89	0.95	0.91	0.88	0.92	0.89	0.87	0.89	0.87	0.85	0.86	0.84	0.83	0.81
3	0.90	0.86	0.82	0.89	0.85	0.82	0.86	0.83	0.80	0.84	0.81	0.79	0.82	0.80	0.78	0.76
4	0.85	0.80	0.76	0.84	0.79	0.76	0.82	0.78	0.75	0.80	0.77	0.74	0.78	0.76	0.73	0.72
5	0.80	0.75	0.71	0.79	0.74	0.71	0.78	0.73	0.70	0.76	0.72	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	0.69	0.66	0.72	0.69	0.66	0.71	0.68	0.65	0.64
7	0.72	0.67	0.63	0.71	0.66	0.63	0.70	0.66	0.62	0.69	0.65	0.62	0.68	0.64	0.62	0.61
8	0.68	0.63	0.59	0.68	0.63	0.59	0.67	0.62	0.59	0.66	0.62	0.59	0.65	0.61	0.59	0.57
9	0.65	0.60	0.56	0.64	0.60	0.56	0.64	0.59	0.56	0.63	0.59	0.56	0.62	0.58	0.56	0.55
10	0.62	0.57	0.53	0.61	0.57	0.53	0.61	0.56	0.53	0.60	0.56	0.53	0.59	0.56	0.53	0.52

Coefficient Utilization Curve



Equipment: GMS1980	Date: 2023/10/31	Operator: NT07
Temperature(°C): 0.0	Humidity(%): 0.0%	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	4712.81	4710.04	4710.04	4700.07	4662.99	4610.40	4557.26	4498.03	4393.97
45.0	4708.38	4707.27	4710.59	4692.32	4670.18	4640.85	4592.69	4529.03	4455.96
90.0	4697.31	4691.22	4669.08	4637.52	4602.65	4545.08	4486.96	4410.02	4307.62
135.0	4702.84	4685.68	4678.49	4654.68	4614.83	4548.41	4505.78	4426.63	4357.99
180.0	4712.81	4717.23	4702.29	4695.09	4685.13	4637.52	4595.46	4539.55	4480.32
225.0	4708.38	4698.41	4694.54	4685.68	4657.45	4624.79	4563.35	4503.57	4426.63
270.0	4697.31	4703.40	4700.07	4699.52	4696.75	4697.86	4671.29	4616.49	4563.90
315.0	4702.84	4701.18	4707.82	4705.61	4697.31	4676.27	4625.35	4577.74	4511.87
360.0	4712.81	4710.04	4710.04	4700.07	4662.99	4610.40	4557.26	4498.03	4393.97

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	4291.56	4192.48	4073.47	3922.91	3808.33	3687.66	3527.13	3395.94	3235.97
45.0	4374.04	4279.94	4158.16	4040.26	3926.78	3779.54	3659.98	3537.65	3383.77
90.0	4212.96	4084.54	3976.60	3853.16	3738.58	3605.73	3486.17	3359.41	3237.08
135.0	4281.60	4191.93	4087.31	3960.00	3848.18	3749.65	3644.48	3501.67	3385.98
180.0	4399.50	4316.47	4235.10	4134.36	4005.94	3903.54	3800.58	3663.85	3557.02
225.0	4339.17	4229.57	4126.06	4024.76	3909.62	3775.67	3664.96	3545.95	3397.60
270.0	4493.05	4393.42	4302.64	4176.98	4074.58	3949.48	3837.67	3695.96	3578.61
315.0	4433.82	4321.46	4228.46	4097.83	3974.94	3862.02	3705.92	3578.61	3449.08
360.0	4291.56	4192.48	4073.47	3922.91	3808.33	3687.66	3527.13	3395.94	3235.97

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	3100.91	2970.27	2833.00	2653.65	2509.73	2370.24	2234.62	2071.33	1923.54
45.0	3260.88	3140.21	2978.58	2842.96	2704.58	2565.09	2385.74	2250.68	2111.74
90.0	3087.07	2962.52	2826.35	2685.76	2509.18	2368.03	2200.31	2063.03	1913.57
135.0	3265.31	3109.21	2985.22	2849.60	2674.13	2533.53	2353.64	2212.48	2068.56
180.0	3436.91	3281.36	3155.71	3027.84	2857.35	2703.47	2559.00	2411.20	2237.95
225.0	3276.38	3111.98	2984.11	2853.48	2709.01	2523.57	2376.88	2234.07	2097.35
270.0	3456.28	3323.98	3161.80	3034.48	2899.98	2719.52	2573.39	2422.83	2252.89
315.0	3292.43	3154.05	3011.79	2876.17	2699.04	2551.80	2397.36	2260.64	2089.60
360.0	3100.91	2970.27	2833.00	2653.65	2509.73	2370.24	2234.62	2071.33	1923.54

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1766.33	1606.36	1275.90	1075.96	1075.96	881.51	735.21	598.98	447.20
45.0	1966.16	1768.55	1615.77	1419.27	1260.40	1101.54	903.92	756.68	618.30
90.0	1713.19	1552.67	1269.81	1072.37	1033.84	880.12	739.30	578.61	463.25
135.0	1912.47	1712.64	1548.24	1383.29	1218.89	1058.91	870.16	731.22	571.80
180.0	2095.69	1945.13	1786.81	1582.01	1411.52	1228.30	1020.72	864.07	685.28
225.0	1908.04	1749.17	1580.90	1103.03	1103.03	1019.23	858.37	675.09	544.85
270.0	2107.31	1950.11	1747.51	1583.11	1409.86	1228.30	1014.63	851.89	709.08
315.0	1940.14	1782.39	1580.35	1283.10	1077.07	1036.16	879.62	737.48	572.74
360.0	1766.33	1606.36	1275.90	1075.96	1075.96	881.51	735.21	598.98	447.20

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	345.02	264.09	194.57	164.84	145.75	130.36	114.69	103.95	94.60
45.0	493.20	359.24	293.93	293.93	173.31	147.02	130.91	117.90	106.78
90.0	364.06	281.97	219.64	174.20	152.72	131.41	118.18	106.67	94.88
135.0	457.77	358.69	296.14	296.14	170.99	146.35	130.75	117.63	106.72
180.0	557.96	445.60	348.73	287.84	287.84	161.19	142.59	124.60	112.70
225.0	432.48	316.90	243.17	190.14	152.83	136.39	122.77	108.66	98.92
270.0	574.02	424.01	328.25	287.29	287.29	155.16	138.16	121.34	110.10
315.0	456.94	356.42	273.94	213.11	168.22	148.68	132.63	119.51	105.61
360.0	345.02	264.09	194.57	164.84	145.75	130.36	114.69	103.95	94.60

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	86.24	77.38	70.96	64.27	59.73	56.02	52.09	49.32	46.83
45.0	95.10	87.07	79.88	71.85	66.26	60.67	56.79	53.69	50.15
90.0	86.96	79.82	72.02	66.76	62.11	58.34	54.30	51.37	48.82
135.0	95.21	87.40	80.37	73.90	66.98	62.44	58.56	54.36	51.37
180.0	102.51	93.66	84.25	77.72	71.68	65.26	60.94	56.41	53.31
225.0	90.50	83.09	75.17	69.47	64.54	60.34	55.96	53.03	49.60
270.0	99.91	89.40	82.14	75.56	69.75	63.55	59.34	55.91	52.92
315.0	95.93	86.02	78.88	71.07	65.76	61.22	56.46	53.31	50.48
360.0	86.24	77.38	70.96	64.27	59.73	56.02	52.09	49.32	46.83

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	44.01	42.01	40.13	38.58	36.70	35.32	33.93	32.82	31.39
45.0	47.49	45.22	43.18	40.96	39.30	37.70	36.20	34.49	33.27
90.0	46.39	43.78	41.79	40.08	38.03	36.59	34.87	33.54	32.38
135.0	48.71	45.67	43.56	41.74	39.47	37.86	36.37	34.87	33.21
180.0	50.43	47.16	44.95	42.79	41.02	38.97	37.36	35.92	34.60
225.0	47.16	44.89	42.40	40.63	39.02	37.47	35.76	34.43	33.16
270.0	49.49	47.05	44.84	42.29	40.52	38.86	36.98	35.59	33.99
315.0	47.77	45.00	42.90	41.02	39.41	37.75	35.92	34.60	32.99
360.0	44.01	42.01	40.13	38.58	36.70	35.32	33.93	32.82	31.39

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	30.33	29.39	28.17	27.29	26.18	25.41	24.58	23.75	22.81
45.0	32.11	30.67	29.72	28.73	27.57	26.57	25.74	24.74	23.97
90.0	31.27	29.95	28.89	27.90	27.01	25.91	25.02	24.24	23.41
135.0	31.99	30.94	29.89	28.62	27.73	26.79	25.74	24.85	23.86
180.0	33.05	31.88	30.78	29.50	28.56	27.62	26.57	25.68	24.85
225.0	31.99	30.61	29.61	28.67	27.51	26.63	25.52	24.74	23.97
270.0	32.77	31.61	30.61	29.34	28.40	27.46	26.63	25.57	24.74
315.0	31.77	30.72	29.39	28.40	27.51	26.63	25.57	24.74	23.97
360.0	30.33	29.39	28.17	27.29	26.18	25.41	24.58	23.75	22.81

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	22.09	21.42	20.70	19.87	19.15	18.54	17.71	17.10	16.50
45.0	23.14	22.42	21.53	20.81	20.15	19.43	18.60	17.93	17.33
90.0	22.42	21.75	20.81	20.09	19.43	18.54	17.93	17.21	16.44
135.0	23.03	22.25	21.31	20.59	19.93	19.26	18.38	17.71	17.05
180.0	23.86	23.08	22.31	21.53	20.59	19.87	19.21	18.49	17.66
225.0	23.19	22.20	21.48	20.70	19.98	19.10	18.43	17.71	16.94
270.0	23.97	23.03	22.25	21.53	20.59	19.87	19.15	18.32	17.60
315.0	23.25	22.31	21.53	20.81	19.87	19.21	18.54	17.66	17.05
360.0	22.09	21.42	20.70	19.87	19.15	18.54	17.71	17.10	16.50

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	15.78	15.28	14.72	14.34	13.89	13.45	13.12	12.68	12.51
45.0	16.50	15.94	15.11	14.67	14.17	13.78	13.45	13.01	12.57
90.0	15.83	15.22	14.78	14.23	13.89	13.51	13.06	12.73	12.51
135.0	16.44	15.72	15.00	14.50	14.00	13.62	13.28	12.84	12.45
180.0	17.05	16.27	15.61	15.00	14.56	14.00	13.62	13.28	12.84
225.0	16.33	15.67	15.11	14.61	14.23	13.78	13.40	13.01	12.62
270.0	17.05	16.27	15.67	15.11	14.56	14.12	13.73	13.34	12.84
315.0	16.38	15.83	15.17	14.67	14.23	13.78	13.45	13.01	12.62
360.0	15.78	15.28	14.72	14.34	13.89	13.45	13.12	12.68	12.51

Intensity data(cd)

C/γ(°)	90.0
0.0	12.51
45.0	12.51
90.0	12.51
135.0	12.45
180.0	12.51
225.0	12.51
270.0	12.51
315.0	12.40
360.0	12.51