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NT

Client:
LumCAT: 2-2642-L
Luminaire: 92.70.412.00
Report No: 20231031-B018
Ballast type: AC

Test No: 20231031-C018	Voltage(V): 34.670
LampCAT: Fortimo_SLM_C_1208	Current(A): 0.576
Lamp flux(lm): 3260.6	Power (W): 19.969
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 3033.11, Efficiency(%): 93.02% , Luminous Efficacy(lm/W): 151.89
Central intensity(cd): 4716.403, Maximum intensity(cd): 4716.403
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=48.2
[C90/270]Total=48.2
Field angle(10%Imax): [C0/180]Total=72.6
[C90/270]Total=72.6
Maximum s/h(1/2): C0_180=0.76 C90_270=0.76
Maximum s/h(1/4): C0_180=0.75 C90_270=0.75
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 93.02%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 97.907%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	4716.403	0.000	0	0.00%	0.00%
1.0	4711.560	4.511	4.511	0.14%	0.15%
2.0	4704.502	13.515	18.026	0.41%	0.59%
3.0	4694.608	22.480	40.506	0.69%	1.34%
4.0	4671.844	31.353	71.858	0.96%	2.37%
5.0	4636.210	40.043	111.901	1.23%	3.69%
6.0	4587.983	48.476	160.376	1.49%	5.29%
7.0	4533.391	56.616	216.993	1.74%	7.15%
8.0	4463.576	64.390	281.382	1.97%	9.28%
9.0	4373.488	71.620	353.002	2.20%	11.64%
10.0	4277.103	78.285	431.286	2.40%	14.22%
11.0	4174.353	84.447	515.734	2.59%	17.00%
12.0	4044.757	89.847	605.58	2.76%	19.97%
13.0	3919.381	94.514	700.095	2.90%	23.08%
14.0	3799.886	98.806	798.901	3.03%	26.34%
15.0	3675.064	102.619	901.52	3.15%	29.72%
16.0	3541.800	105.747	1007.267	3.24%	33.21%
17.0	3417.808	108.380	1115.647	3.32%	36.78%
18.0	3281.846	110.463	1226.11	3.39%	40.42%
19.0	3138.618	111.703	1337.813	3.43%	44.11%
20.0	2994.699	112.257	1450.07	3.44%	47.81%
21.0	2851.679	112.262	1562.332	3.44%	51.51%
22.0	2688.524	111.333	1673.665	3.41%	55.18%
23.0	2533.258	109.567	1783.232	3.36%	58.79%
24.0	2370.864	107.222	1890.453	3.29%	62.33%
25.0	2210.823	104.178	1994.631	3.20%	65.76%
26.0	2046.007	100.483	2095.114	3.08%	69.07%
27.0	1884.098	96.151	2191.265	2.95%	72.24%
28.0	1716.723	91.165	2282.43	2.80%	75.25%
29.0	1508.863	84.390	2366.82	2.59%	78.03%
30.0	1331.157	76.680	2443.5	2.35%	80.56%
31.0	1188.615	70.122	2513.622	2.15%	82.87%
32.0	1052.784	64.213	2577.835	1.97%	84.99%
33.0	896.562	57.428	2635.264	1.76%	86.88%
34.0	754.027	49.952	2685.216	1.53%	88.53%
35.0	620.341	42.683	2727.898	1.31%	89.94%
36.0	503.600	35.787	2763.685	1.10%	91.12%
37.0	406.309	29.676	2793.361	0.91%	92.10%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	326.655	24.465	2817.826	0.75%	92.90%
39.0	261.899	20.089	2837.915	0.62%	93.56%
40.0	233.302	17.271	2855.186	0.53%	94.13%
41.0	187.801	14.995	2870.181	0.46%	94.63%
42.0	136.246	11.773	2881.955	0.36%	95.02%
43.0	114.672	9.295	2891.249	0.29%	95.32%
44.0	98.682	8.053	2899.302	0.25%	95.59%
45.0	86.310	7.109	2906.411	0.22%	95.82%
46.0	77.232	6.396	2912.807	0.20%	96.03%
47.0	69.448	5.834	2918.641	0.18%	96.23%
48.0	63.221	5.363	2924.004	0.16%	96.40%
49.0	57.810	4.970	2928.974	0.15%	96.57%
50.0	53.582	4.644	2933.619	0.14%	96.72%
51.0	49.659	4.368	2937.987	0.13%	96.86%
52.0	46.511	4.127	2942.113	0.13%	97.00%
53.0	43.716	3.925	2946.038	0.12%	97.13%
54.0	41.411	3.752	2949.79	0.12%	97.25%
55.0	39.246	3.600	2953.391	0.11%	97.37%
56.0	37.398	3.463	2956.854	0.11%	97.49%
57.0	35.828	3.348	2960.202	0.10%	97.60%
58.0	34.285	3.242	2963.444	0.10%	97.70%
59.0	32.956	3.144	2966.588	0.10%	97.81%
60.0	31.731	3.056	2969.644	0.09%	97.91%
61.0	30.631	2.976	2972.62	0.09%	98.01%
62.0	29.559	2.900	2975.52	0.09%	98.10%
63.0	28.618	2.829	2978.35	0.09%	98.19%
64.0	27.684	2.763	2981.112	0.08%	98.29%
65.0	26.895	2.701	2983.813	0.08%	98.37%
66.0	26.085	2.643	2986.457	0.08%	98.46%
67.0	25.352	2.586	2989.043	0.08%	98.55%
68.0	24.556	2.528	2991.571	0.08%	98.63%
69.0	23.850	2.469	2994.041	0.08%	98.71%
70.0	23.165	2.415	2996.455	0.07%	98.79%
71.0	22.494	2.360	2998.815	0.07%	98.87%
72.0	21.733	2.300	3001.115	0.07%	98.95%
73.0	21.104	2.240	3003.355	0.07%	99.02%
74.0	20.488	2.187	3005.542	0.07%	99.09%
75.0	19.824	2.130	3007.672	0.07%	99.16%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	19.166	2.070	3009.741	0.06%	99.23%
77.0	18.564	2.012	3011.753	0.06%	99.30%
78.0	17.935	1.954	3013.707	0.06%	99.36%
79.0	17.346	1.896	3015.602	0.06%	99.42%
80.0	16.779	1.840	3017.442	0.06%	99.48%
81.0	16.184	1.783	3019.225	0.05%	99.54%
82.0	15.610	1.724	3020.949	0.05%	99.60%
83.0	15.105	1.670	3022.619	0.05%	99.65%
84.0	14.634	1.620	3024.239	0.05%	99.71%
85.0	14.205	1.574	3025.813	0.05%	99.76%
86.0	13.831	1.533	3027.345	0.05%	99.81%
87.0	13.458	1.493	3028.839	0.05%	99.86%
88.0	13.077	1.454	3030.292	0.04%	99.91%
89.0	12.828	1.420	3031.712	0.04%	99.95%
90.0	12.690	1.399	3033.111	0.04%	100.00%

Zonal flux distribution table

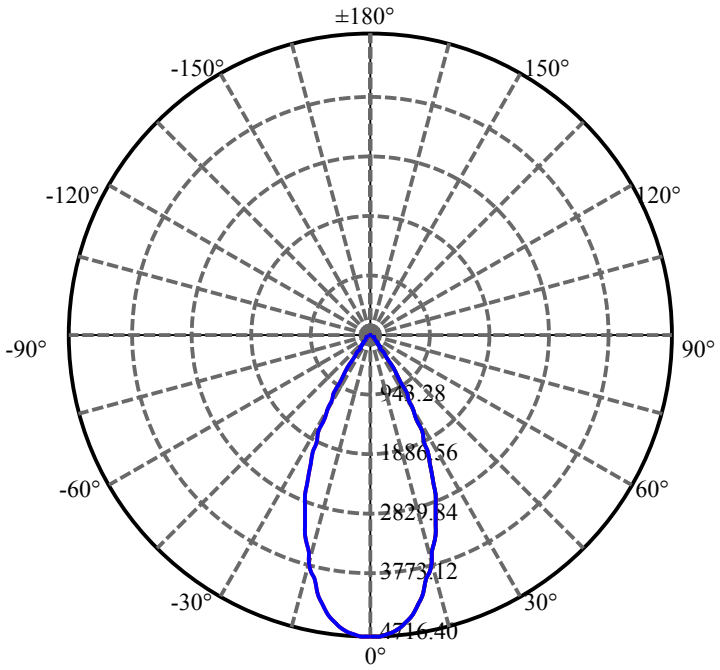
ZONAL LUMEN SUMMARY

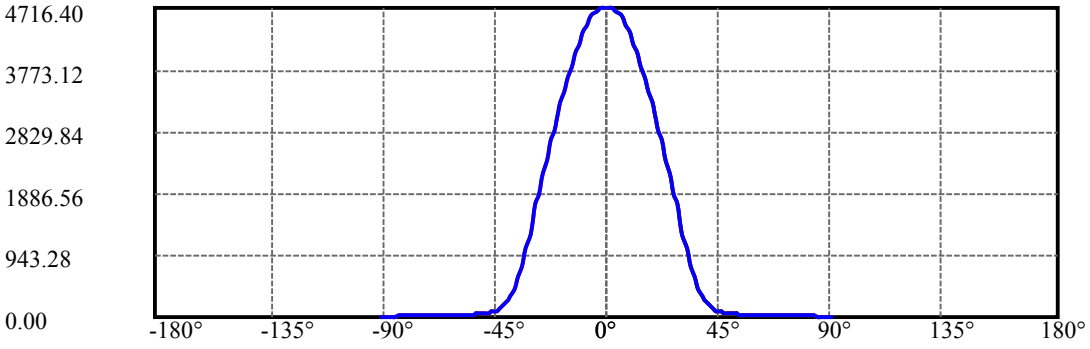
Zone	Lumens	%Lamp	%Fixt
0-30	2443.50	74.94%	80.56%
0-40	2855.19	87.57%	94.13%
0-60	2969.64	91.08%	97.91%
0-90	3031.71	92.98%	99.95%
0-120	3031.71	92.98%	99.95%
0-180	3033.11	93.02%	100.00%
60-90	62.07	1.90%	2.05%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-29.78	2426.49	74.42%	80.00%

ZONAL LUMEN SUMMARY

0-10	431.29
10-20	1018.78
20-30	993.43
30-40	411.69
40-50	78.43
50-60	36.03
60-70	26.81
70-80	20.99
80-90	14.27
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):

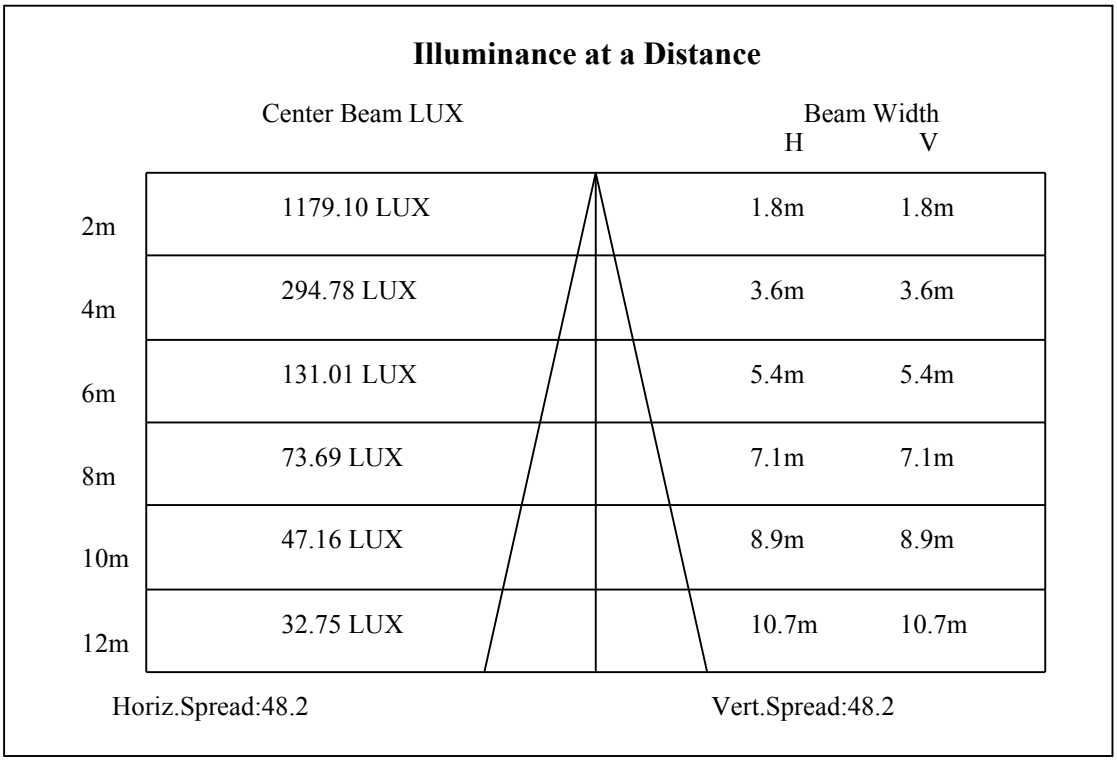
C0/C180:

C90/C270:

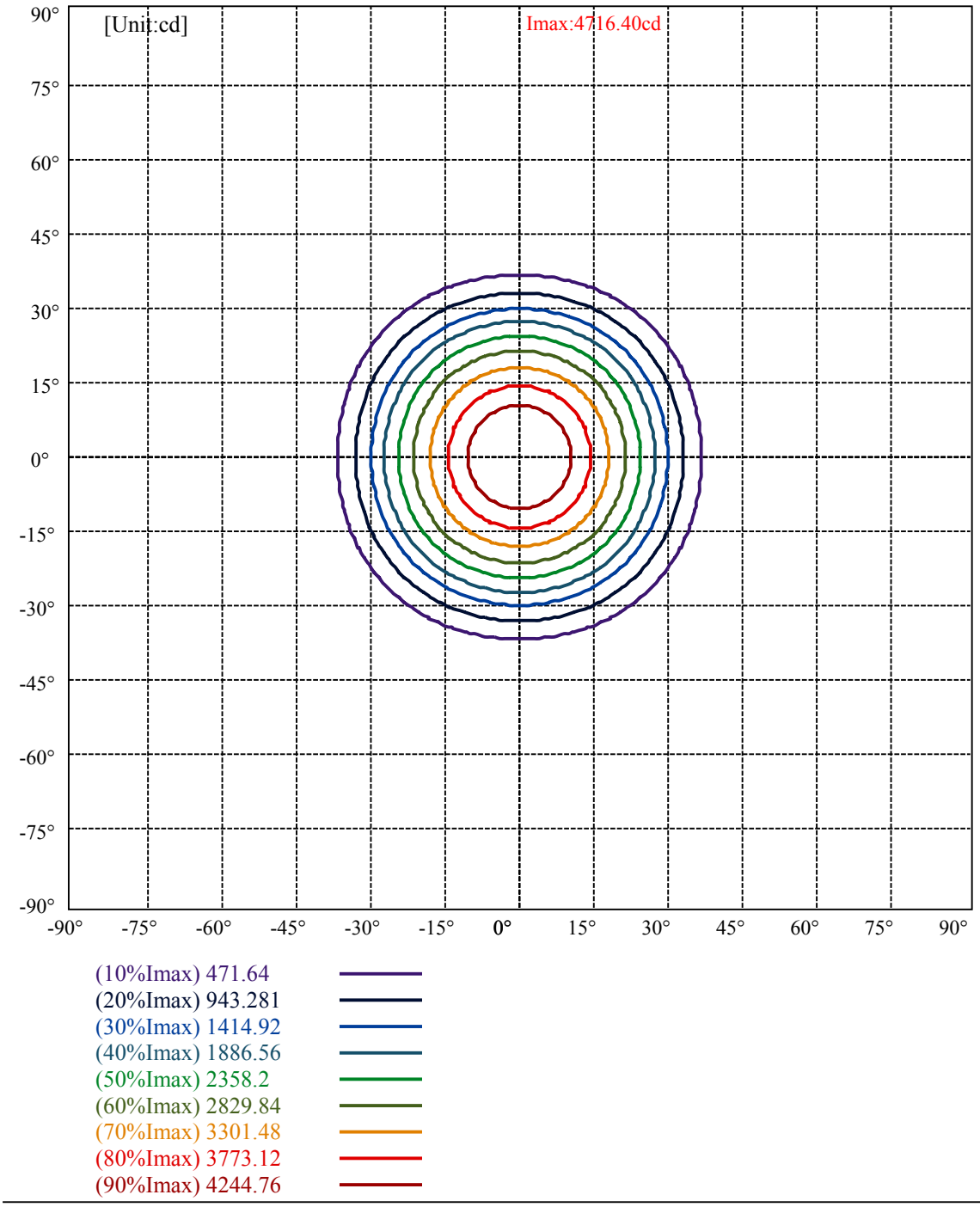
Field angle(10%Imax):C0/180Left:36.3 Right:36.3
:C90/270Left:36.3 Right:36.3

Beam Angle(50%Imax):C0/180Left:24.1 Right:24.1
:C90/270Left:24.1 Right:24.1

Lux distance Curve



ISO-Intensity(V-H)

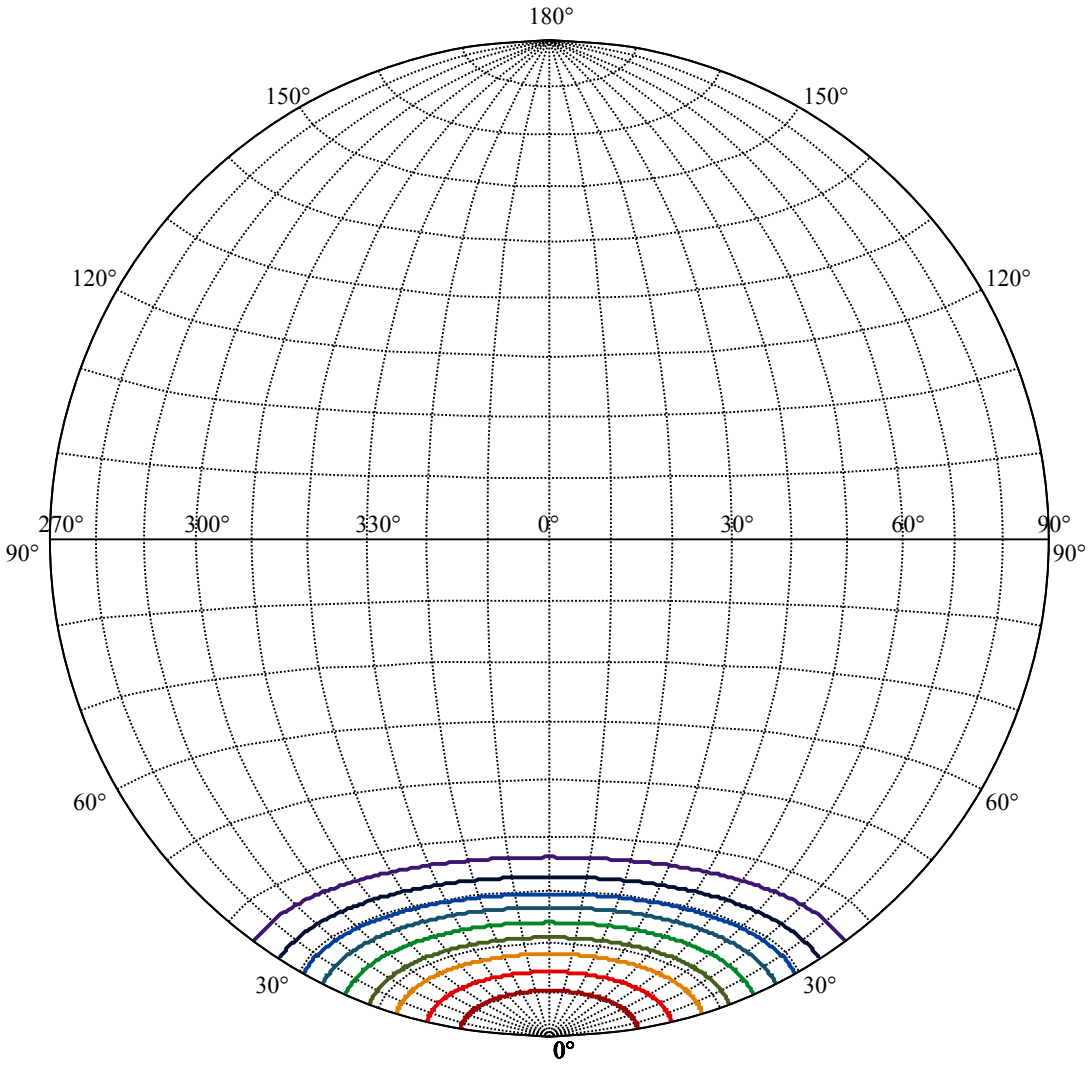


Equipment: GMS1980
Temperature(°C): 0.0

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

Operator: NT07
Distance(m): 7.44

ISO candela diagram on circular web



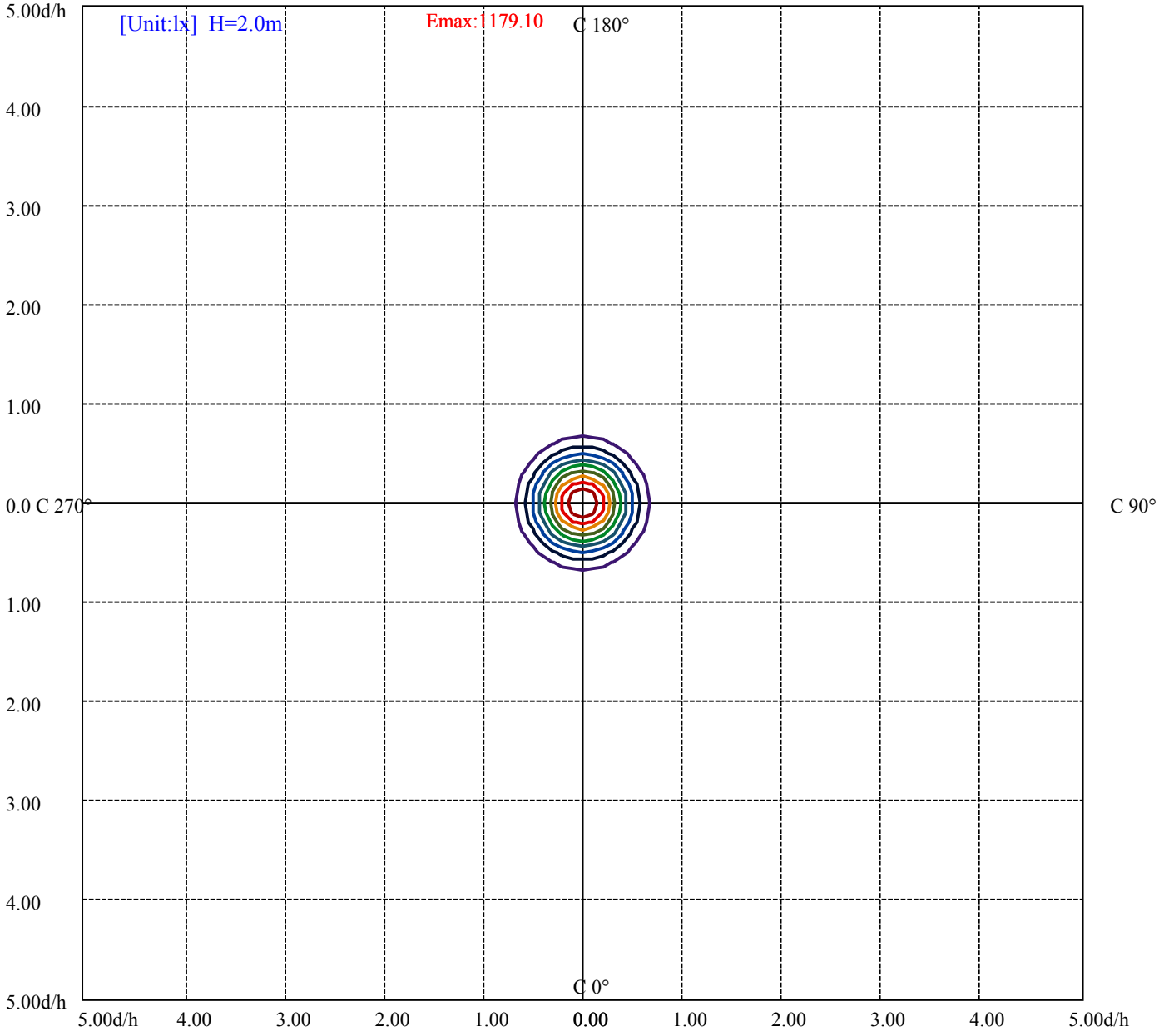
[Unit:cd]

Imax:4716.40

(10%Imax) 471.64
(20%Imax) 943.281
(30%Imax) 1414.92
(40%Imax) 1886.56
(50%Imax) 2358.2
(60%Imax) 2829.84
(70%Imax) 3301.48
(80%Imax) 3773.12
(90%Imax) 4244.76

NT 2-2642-L

ISO illuminance diagram

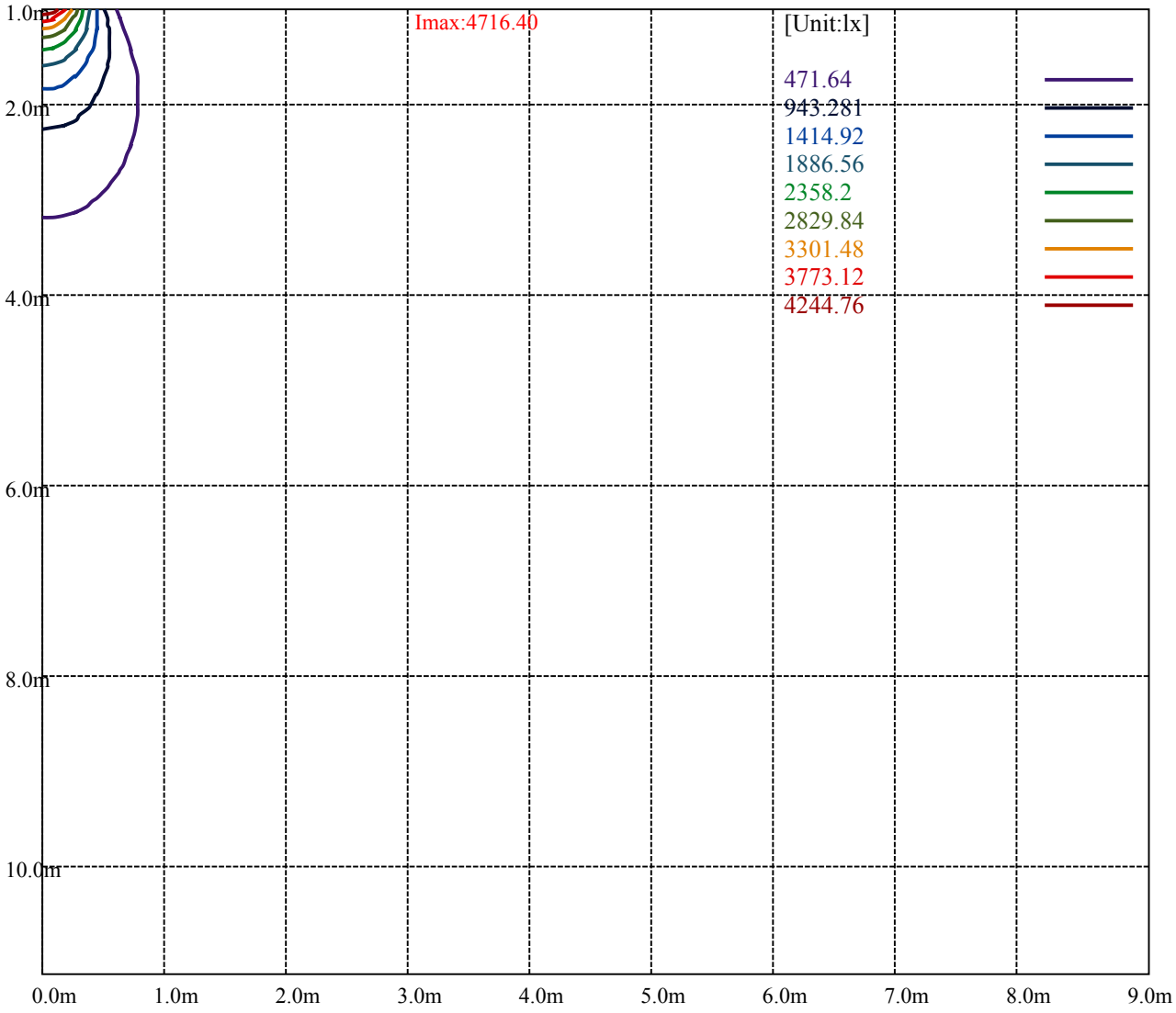


Equipment: GMS1980
Temperature(°C): 0.0

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

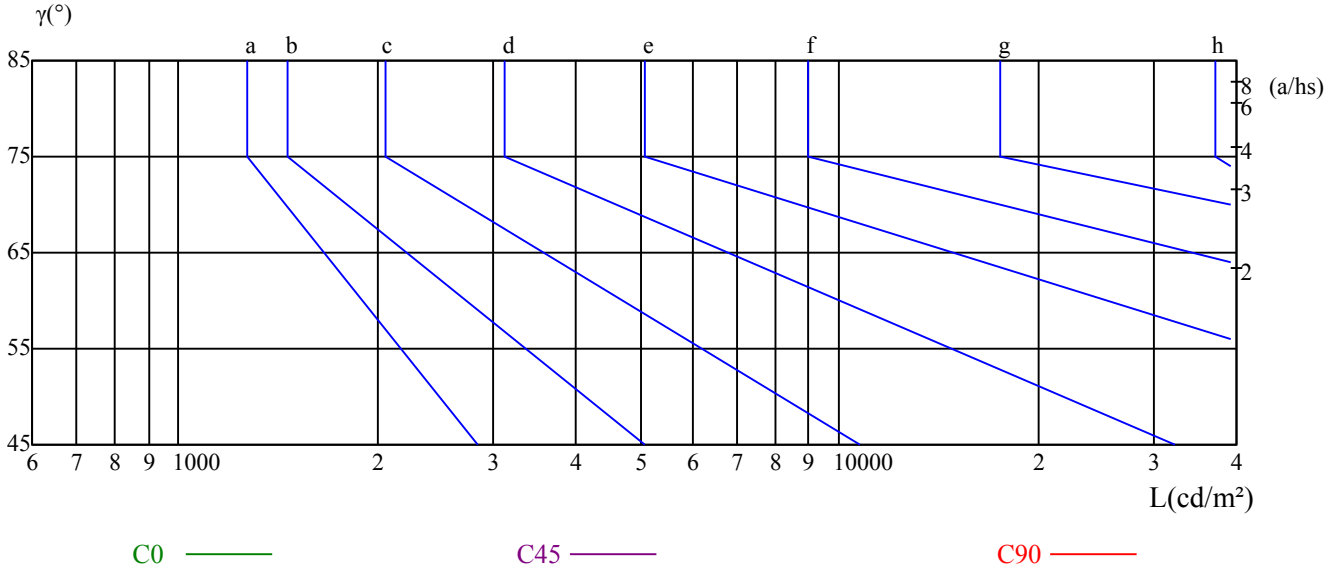
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

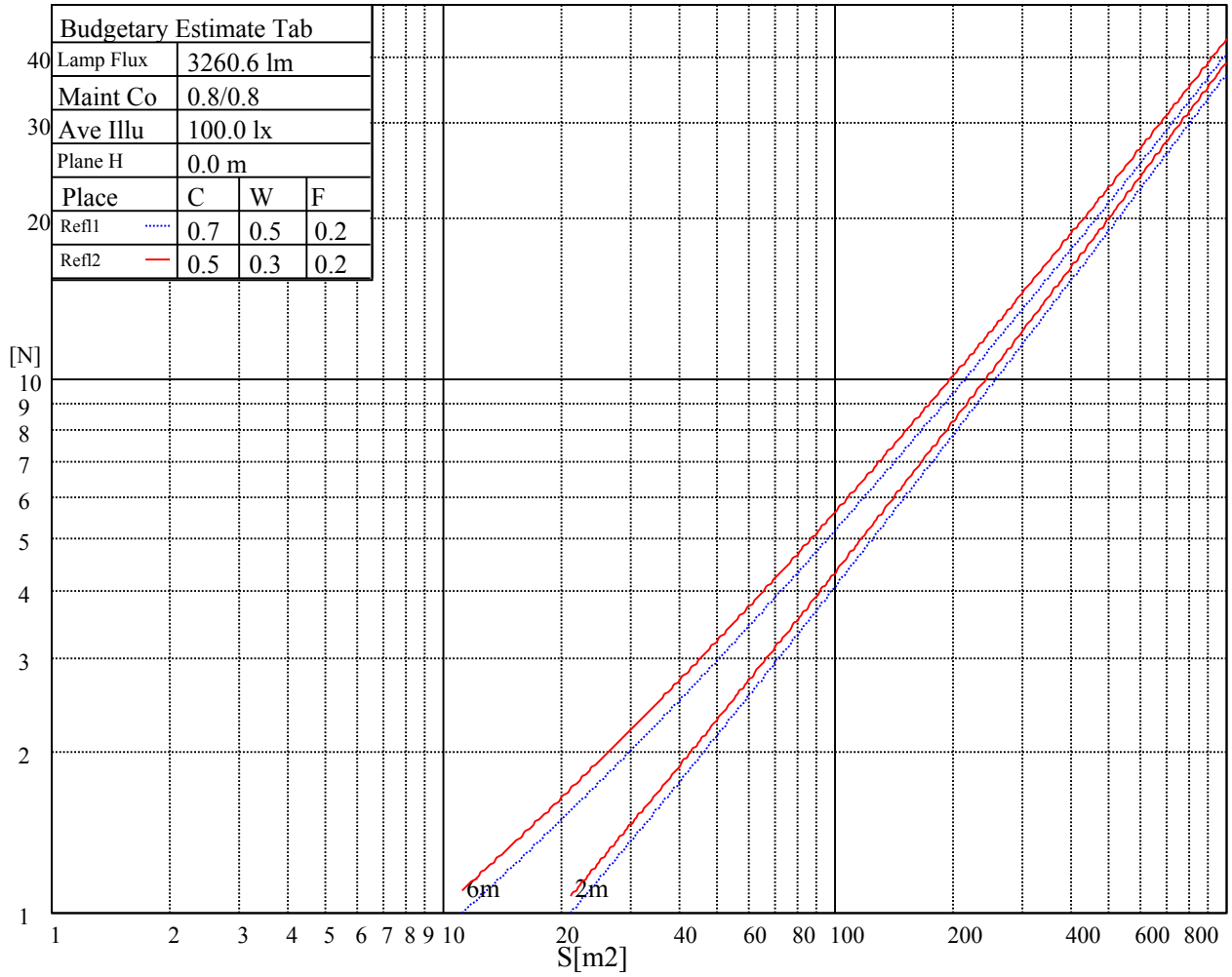
Luminance Limitting Curve



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

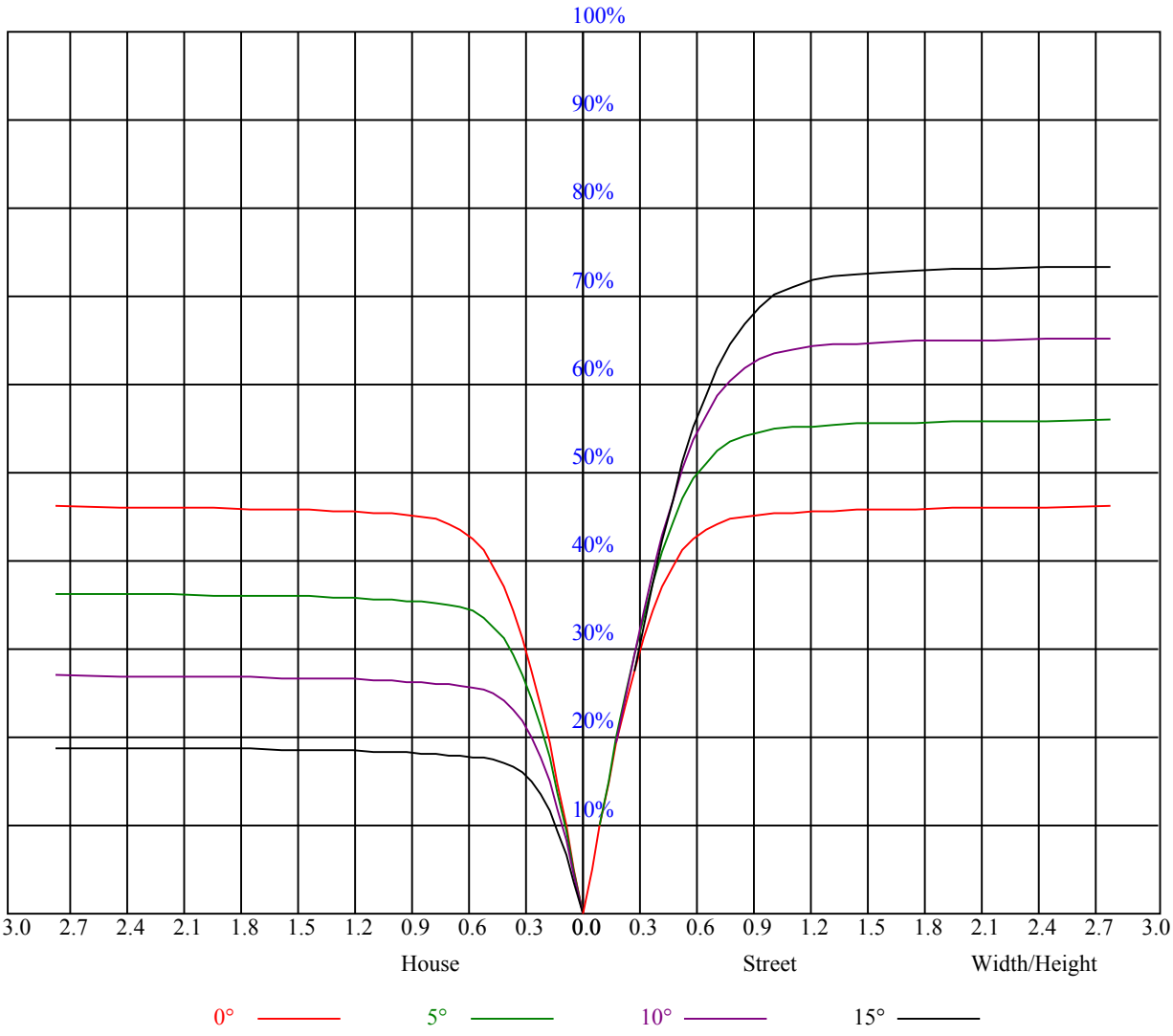


Equipment: GMS1980 Date: 2023/10/31 Operator: NT07
Temperature(°C): 0.0 Humidity(%): 0.0% Distance(m): 7.44

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	0.96	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	0.91	0.89	0.92	0.89	0.87	0.89	0.87	0.85	0.86	0.85	0.83	0.82
3	0.90	0.86	0.82	0.89	0.85	0.82	0.87	0.83	0.80	0.84	0.82	0.79	0.82	0.80	0.78	0.77
4	0.85	0.80	0.76	0.84	0.80	0.76	0.82	0.78	0.75	0.80	0.77	0.74	0.79	0.76	0.73	0.72
5	0.80	0.75	0.71	0.79	0.75	0.71	0.78	0.74	0.70	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	0.71	0.68	0.65	0.64
7	0.72	0.67	0.63	0.71	0.66	0.63	0.70	0.66	0.63	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	0.59	0.67	0.62	0.59	0.66	0.62	0.59	0.65	0.61	0.59	0.58
9	0.65	0.60	0.56	0.65	0.60	0.56	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	0.56	0.53	0.60	0.56	0.53	0.60	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	4730.52	4723.88	4728.30	4712.81	4671.84	4638.63	4564.46	4495.27	4423.86
45.0	4722.22	4717.23	4715.02	4711.70	4684.58	4649.15	4600.99	4539.00	4485.30
90.0	4705.61	4699.52	4669.63	4643.06	4610.40	4557.82	4480.32	4413.34	4320.35
135.0	4707.27	4693.43	4680.70	4651.36	4616.49	4575.53	4529.59	4463.16	4390.65
180.0	4730.52	4715.02	4707.82	4705.61	4693.43	4649.70	4617.04	4568.33	4506.34
225.0	4722.22	4713.36	4703.95	4703.40	4679.59	4647.49	4598.78	4552.83	4488.07
270.0	4705.61	4711.70	4710.59	4713.36	4708.38	4698.97	4672.40	4641.40	4574.98
315.0	4707.27	4718.34	4720.00	4715.57	4710.04	4672.40	4640.29	4593.80	4519.07
360.0	4730.52	4723.88	4728.30	4712.81	4671.84	4638.63	4564.46	4495.27	4423.86

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	4294.89	4196.91	4084.54	3931.21	3800.58	3684.89	3557.02	3424.73	3261.99
45.0	4375.15	4279.39	4173.11	4035.28	3906.30	3783.97	3663.30	3519.94	3392.62
90.0	4233.44	4105.58	3995.98	3859.81	3723.64	3612.93	3495.58	3328.97	3219.92
135.0	4294.33	4202.45	4102.26	3960.00	3848.18	3738.03	3632.30	3469.01	3357.20
180.0	4434.38	4347.47	4241.19	4139.34	4003.17	3893.02	3787.85	3680.46	3563.66
225.0	4383.45	4289.35	4203.00	4067.38	3945.60	3801.69	3682.12	3561.45	3444.10
270.0	4522.39	4442.13	4359.65	4233.44	4126.61	4005.94	3852.61	3742.46	3628.43
315.0	4449.88	4353.56	4235.10	4131.59	4000.96	3878.63	3729.73	3607.39	3474.55
360.0	4294.89	4196.91	4084.54	3931.21	3800.58	3684.89	3557.02	3424.73	3261.99

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	3128.59	2960.31	2818.05	2677.45	2497.55	2340.90	2189.23	2041.44	1855.45
45.0	3265.86	3133.57	2975.81	2839.09	2661.95	2512.50	2360.83	2170.97	2025.39
90.0	3098.14	2930.97	2793.70	2653.10	2502.54	2314.33	2168.75	2018.75	1823.90
135.0	3250.36	3120.28	2965.85	2824.14	2684.10	2504.75	2355.85	2203.07	2007.12
180.0	3415.32	3294.09	3170.10	3038.91	2852.37	2716.75	2540.18	2389.06	2237.39
225.0	3286.34	3159.03	3021.75	2877.83	2700.70	2560.66	2411.20	2221.89	2069.67
270.0	3462.92	3336.72	3178.96	3044.45	2902.19	2755.50	2565.09	2420.61	2274.48
315.0	3347.23	3173.98	3033.38	2858.46	2706.79	2560.66	2375.78	2220.79	2074.65
360.0	3128.59	2960.31	2818.05	2677.45	2497.55	2340.90	2189.23	2041.44	1855.45

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1699.91	1544.37	1273.13	1077.01	1038.54	889.59	753.14	597.93	487.50
45.0	1875.38	1723.71	1534.96	1384.95	1231.62	1082.16	901.71	769.97	649.30
90.0	1675.00	1522.22	1102.03	1102.03	1027.47	884.77	725.24	611.99	505.66
135.0	1855.45	1661.16	1505.62	1348.97	1195.64	1007.99	864.62	738.42	623.28
180.0	2045.32	1896.97	1741.42	1550.45	1389.93	1220.55	1055.04	907.80	736.76
225.0	1917.45	1722.60	1568.72	1276.45	1077.07	1037.94	884.33	746.94	592.89
270.0	2118.38	1927.97	1765.23	1609.68	1445.84	1236.05	1073.86	882.89	745.61
315.0	1885.90	1734.78	1579.79	1299.70	1102.81	1063.23	914.55	776.28	621.73
360.0	1699.91	1544.37	1273.13	1077.01	1038.54	889.59	753.14	597.93	487.50

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	394.56	302.06	243.33	189.20	157.43	132.85	113.47	95.54	84.75
45.0	511.47	417.37	337.10	287.29	287.29	169.66	136.17	116.13	100.91
90.0	396.44	323.65	262.21	203.31	167.06	139.66	118.35	98.92	87.35
135.0	493.20	405.74	331.01	282.86	282.86	168.94	141.43	115.63	100.52
180.0	617.75	507.04	394.12	319.39	287.29	287.29	161.13	135.23	111.09
225.0	485.62	392.84	315.96	240.68	194.84	159.97	128.64	110.43	96.59
270.0	618.30	484.90	393.56	316.07	282.86	282.86	155.16	129.86	110.98
315.0	511.47	416.87	335.94	256.40	206.80	161.19	135.62	115.63	97.26
360.0	394.56	302.06	243.33	189.20	157.43	132.85	113.47	95.54	84.75

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	76.17	69.08	61.83	57.07	52.92	49.38	45.78	43.29	40.63
45.0	86.57	77.77	70.35	64.15	57.73	53.58	49.93	46.88	43.67
90.0	78.21	70.85	63.38	58.45	54.25	49.82	46.83	43.62	41.40
135.0	89.17	78.10	71.02	64.99	58.51	54.41	50.76	47.71	44.39
180.0	96.98	86.07	75.34	68.53	62.88	58.01	52.97	49.49	46.55
225.0	83.53	75.17	68.42	61.44	56.85	52.92	48.77	45.94	43.45
270.0	93.60	83.20	74.84	68.03	61.06	56.41	51.64	48.32	45.45
315.0	86.24	77.61	70.41	63.10	58.29	54.14	50.59	46.83	44.17
360.0	76.17	69.08	61.83	57.07	52.92	49.38	45.78	43.29	40.63

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	38.80	37.14	35.26	33.93	32.77	31.39	30.39	29.45	28.56
45.0	41.40	39.41	37.31	35.87	34.26	32.94	31.77	30.72	29.45
90.0	39.47	37.70	35.76	34.32	33.05	31.88	30.61	29.61	28.73
135.0	41.96	39.91	38.14	36.20	34.76	33.43	31.99	30.89	29.56
180.0	43.90	41.13	39.19	37.47	35.59	34.26	32.99	31.61	30.61
225.0	41.40	38.91	37.31	35.81	34.37	32.88	31.77	30.56	29.56
270.0	42.46	40.35	38.53	36.92	35.09	33.82	32.66	31.55	30.33
315.0	41.90	39.41	37.70	36.09	34.37	33.05	31.66	30.67	29.67
360.0	38.80	37.14	35.26	33.93	32.77	31.39	30.39	29.45	28.56

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	27.57	26.74	26.02	25.30	24.41	23.75	22.92	22.25	21.64
45.0	28.51	27.68	26.96	25.96	25.30	24.52	23.86	23.08	22.42
90.0	27.68	26.85	26.13	25.24	24.52	23.86	23.03	22.36	21.70
135.0	28.67	27.84	27.07	26.13	25.41	24.69	24.02	23.19	22.47
180.0	29.67	28.56	27.73	26.96	26.24	25.30	24.63	23.97	23.30
225.0	28.73	27.62	26.90	26.18	25.46	24.63	23.97	23.30	22.75
270.0	29.39	28.51	27.51	26.79	26.07	25.19	24.52	23.91	23.08
315.0	28.73	27.68	26.85	26.13	25.41	24.52	23.86	23.25	22.58
360.0	27.57	26.74	26.02	25.30	24.41	23.75	22.92	22.25	21.64

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	20.87	20.31	19.76	19.15	18.43	17.93	17.33	16.77	16.16
45.0	21.59	20.98	20.37	19.71	19.10	18.49	17.93	17.27	16.72
90.0	20.92	20.31	19.76	19.21	18.43	17.88	17.33	16.77	16.11
135.0	21.75	20.98	20.37	19.82	19.04	18.49	17.82	17.21	16.72
180.0	22.53	21.92	21.26	20.48	19.87	19.15	18.54	17.99	17.38
225.0	21.92	21.31	20.70	19.93	19.37	18.76	18.05	17.44	16.88
270.0	22.47	21.81	21.26	20.48	19.87	19.32	18.60	17.99	17.44
315.0	21.81	21.20	20.43	19.82	19.21	18.49	17.88	17.33	16.83
360.0	20.87	20.31	19.76	19.15	18.43	17.93	17.33	16.77	16.16

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	15.67	15.11	14.67	14.23	13.89	13.56	13.17	12.73	12.84
45.0	16.16	15.55	15.00	14.50	14.06	13.73	13.45	13.06	12.68
90.0	15.55	15.00	14.61	14.17	13.84	13.51	13.12	12.68	12.84
135.0	16.16	15.50	14.95	14.56	14.12	13.73	13.34	12.95	12.45
180.0	16.72	16.11	15.55	15.11	14.56	14.17	13.73	13.40	13.01
225.0	16.27	15.78	15.28	14.72	14.28	13.89	13.51	13.17	12.84
270.0	16.72	16.22	15.61	15.11	14.61	14.17	13.78	13.45	13.06
315.0	16.22	15.61	15.17	14.67	14.28	13.89	13.56	13.17	12.90
360.0	15.67	15.11	14.67	14.23	13.89	13.56	13.17	12.73	12.84

Intensity data(cd)

C/γ(°)	90.0
0.0	12.90
45.0	12.90
90.0	12.84
135.0	12.57
180.0	12.62
225.0	12.57
270.0	12.68
315.0	12.45
360.0	12.90