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NT

Client:
LumCAT: 2-2645-L
Luminaire: 92.70.412.00
Report No: 20231117-B019
Ballast type: AC

Test No: 20231117-C019	Voltage(V): 35.890
LampCAT: P2141-036-1206-P3090-1	Current(A): 0.700
Lamp flux(lm): 3111.0	Power (W): 25.123
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 2881.09, Efficiency(%): 92.61% , Luminous Efficacy(lm/W): 114.68
Central intensity(cd): 6265.335, Maximum intensity(cd): 6265.335
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=39.0
[C90/270]Total=39.0
Field angle(10%Imax): [C0/180]Total=63.2
[C90/270]Total=63.2
Maximum s/h(1/2): C0_180=0.64 C90_270=0.64
Maximum s/h(1/4): C0_180=0.62 C90_270=0.62
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 92.61%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 97.933%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	6265.336	0.000	0	0.00%	0.00%
1.0	6254.611	5.991	5.991	0.19%	0.21%
2.0	6219.876	17.905	23.895	0.58%	0.83%
3.0	6175.524	29.646	53.541	0.95%	1.86%
4.0	6099.621	41.089	94.63	1.32%	3.28%
5.0	6007.180	52.083	146.713	1.67%	5.09%
6.0	5901.040	62.581	209.293	2.01%	7.26%
7.0	5782.099	72.517	281.81	2.33%	9.78%
8.0	5656.308	81.862	363.673	2.63%	12.62%
9.0	5519.792	90.576	454.249	2.91%	15.77%
10.0	5369.991	98.549	552.798	3.17%	19.19%
11.0	5211.957	105.735	658.533	3.40%	22.86%
12.0	5016.974	111.817	770.35	3.59%	26.74%
13.0	4828.218	116.838	887.187	3.76%	30.79%
14.0	4611.370	120.826	1008.013	3.88%	34.99%
15.0	4374.803	123.366	1131.38	3.97%	39.27%
16.0	4101.771	124.206	1255.585	3.99%	43.58%
17.0	3844.861	123.750	1379.335	3.98%	47.88%
18.0	3563.526	122.148	1501.484	3.93%	52.12%
19.0	3263.164	118.770	1620.254	3.82%	56.24%
20.0	2980.445	114.275	1734.53	3.67%	60.20%
21.0	2711.358	109.294	1843.824	3.51%	64.00%
22.0	2444.346	103.606	1947.43	3.33%	67.59%
23.0	2197.400	97.396	2044.826	3.13%	70.97%
24.0	1950.661	90.691	2135.518	2.92%	74.12%
25.0	1713.291	83.310	2218.828	2.68%	77.01%
26.0	1504.919	75.966	2294.794	2.44%	79.65%
27.0	1340.325	69.610	2364.404	2.24%	82.07%
28.0	1119.700	62.283	2426.686	2.00%	84.23%
29.0	995.438	55.338	2482.024	1.78%	86.15%
30.0	861.350	50.133	2532.157	1.61%	87.89%
31.0	707.032	43.646	2575.803	1.40%	89.40%
32.0	578.840	36.839	2612.641	1.18%	90.68%
33.0	459.456	30.589	2643.23	0.98%	91.74%
34.0	356.533	24.694	2667.924	0.79%	92.60%
35.0	288.544	20.034	2687.958	0.64%	93.30%
36.0	206.510	15.763	2703.721	0.51%	93.84%
37.0	178.543	12.558	2716.279	0.40%	94.28%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	145.663	10.822	2727.1	0.35%	94.66%
39.0	113.696	8.853	2735.953	0.28%	94.96%
40.0	99.948	7.451	2743.404	0.24%	95.22%
41.0	88.739	6.719	2750.123	0.22%	95.45%
42.0	79.557	6.114	2756.238	0.20%	95.67%
43.0	71.690	5.603	2761.84	0.18%	95.86%
44.0	65.310	5.171	2767.011	0.17%	96.04%
45.0	59.851	4.810	2771.821	0.15%	96.21%
46.0	55.015	4.492	2776.313	0.14%	96.36%
47.0	51.334	4.230	2780.543	0.14%	96.51%
48.0	47.597	3.999	2784.542	0.13%	96.65%
49.0	44.587	3.786	2788.328	0.12%	96.78%
50.0	41.937	3.608	2791.936	0.12%	96.91%
51.0	39.522	3.446	2795.382	0.11%	97.03%
52.0	37.495	3.305	2798.687	0.11%	97.14%
53.0	35.592	3.179	2801.866	0.10%	97.25%
54.0	33.925	3.064	2804.93	0.10%	97.36%
55.0	32.472	2.964	2807.894	0.10%	97.46%
56.0	31.164	2.876	2810.77	0.09%	97.56%
57.0	29.988	2.796	2813.566	0.09%	97.66%
58.0	28.895	2.723	2816.288	0.09%	97.75%
59.0	27.954	2.658	2818.946	0.09%	97.84%
60.0	27.026	2.597	2821.544	0.08%	97.93%
61.0	26.272	2.544	2824.087	0.08%	98.02%
62.0	25.483	2.494	2826.581	0.08%	98.11%
63.0	24.764	2.444	2829.025	0.08%	98.19%
64.0	24.120	2.399	2831.424	0.08%	98.28%
65.0	23.470	2.355	2833.779	0.08%	98.36%
66.0	22.875	2.312	2836.091	0.07%	98.44%
67.0	22.301	2.272	2838.363	0.07%	98.52%
68.0	21.754	2.232	2840.594	0.07%	98.59%
69.0	21.200	2.191	2842.786	0.07%	98.67%
70.0	20.709	2.152	2844.938	0.07%	98.75%
71.0	20.211	2.115	2847.053	0.07%	98.82%
72.0	19.740	2.077	2849.13	0.07%	98.89%
73.0	19.671	2.061	2851.191	0.07%	98.96%
74.0	20.038	2.088	2853.279	0.07%	99.03%
75.0	20.944	2.165	2855.444	0.07%	99.11%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	20.716	2.212	2857.656	0.07%	99.19%
77.0	20.163	2.179	2859.835	0.07%	99.26%
78.0	18.578	2.074	2861.909	0.07%	99.33%
79.0	17.409	1.934	2863.843	0.06%	99.40%
80.0	16.523	1.829	2865.672	0.06%	99.47%
81.0	15.873	1.752	2867.424	0.06%	99.53%
82.0	15.361	1.694	2869.118	0.05%	99.58%
83.0	14.911	1.646	2870.763	0.05%	99.64%
84.0	14.482	1.601	2872.364	0.05%	99.70%
85.0	13.963	1.552	2873.917	0.05%	99.75%
86.0	13.492	1.501	2875.418	0.05%	99.80%
87.0	13.174	1.459	2876.877	0.05%	99.85%
88.0	12.870	1.427	2878.304	0.05%	99.90%
89.0	12.655	1.399	2879.703	0.04%	99.95%
90.0	12.558	1.382	2881.085	0.04%	100.00%

Zonal flux distribution table

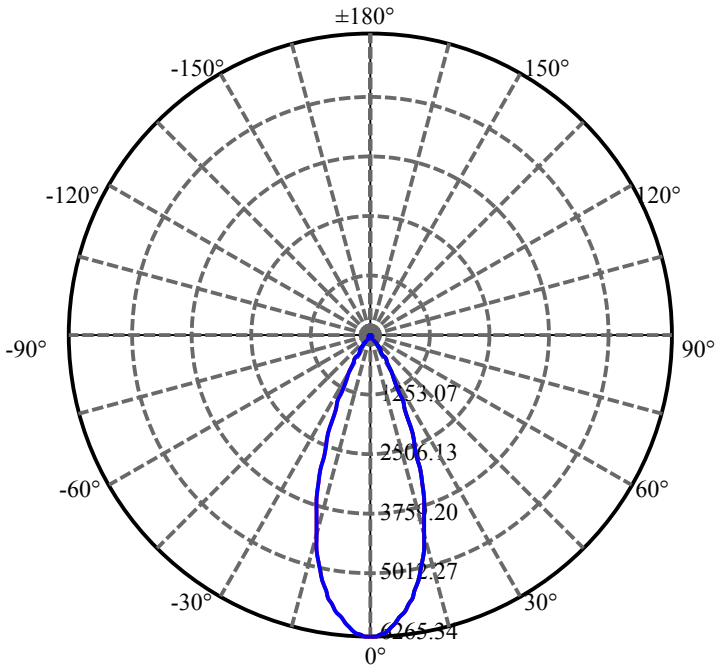
ZONAL LUMEN SUMMARY

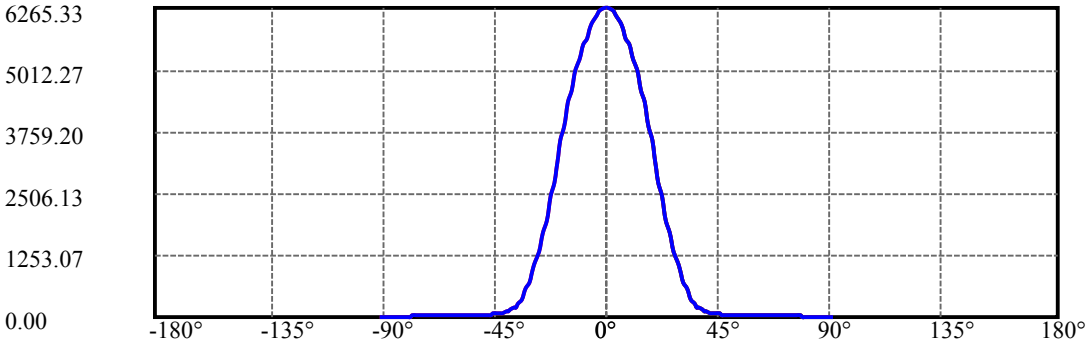
Zone	Lumens	%Lamp	%Fixt
0-30	2532.16	81.39%	87.89%
0-40	2743.40	88.19%	95.22%
0-60	2821.54	90.70%	97.93%
0-90	2879.70	92.57%	99.95%
0-120	2879.70	92.57%	99.95%
0-180	2881.09	92.61%	100.00%
60-90	58.16	1.87%	2.02%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-26.14	2304.87	74.09%	80.00%

ZONAL LUMEN SUMMARY

0-10	552.80
10-20	1181.73
20-30	797.63
30-40	211.25
40-50	48.53
50-60	29.61
60-70	23.39
70-80	20.73
80-90	14.03
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):

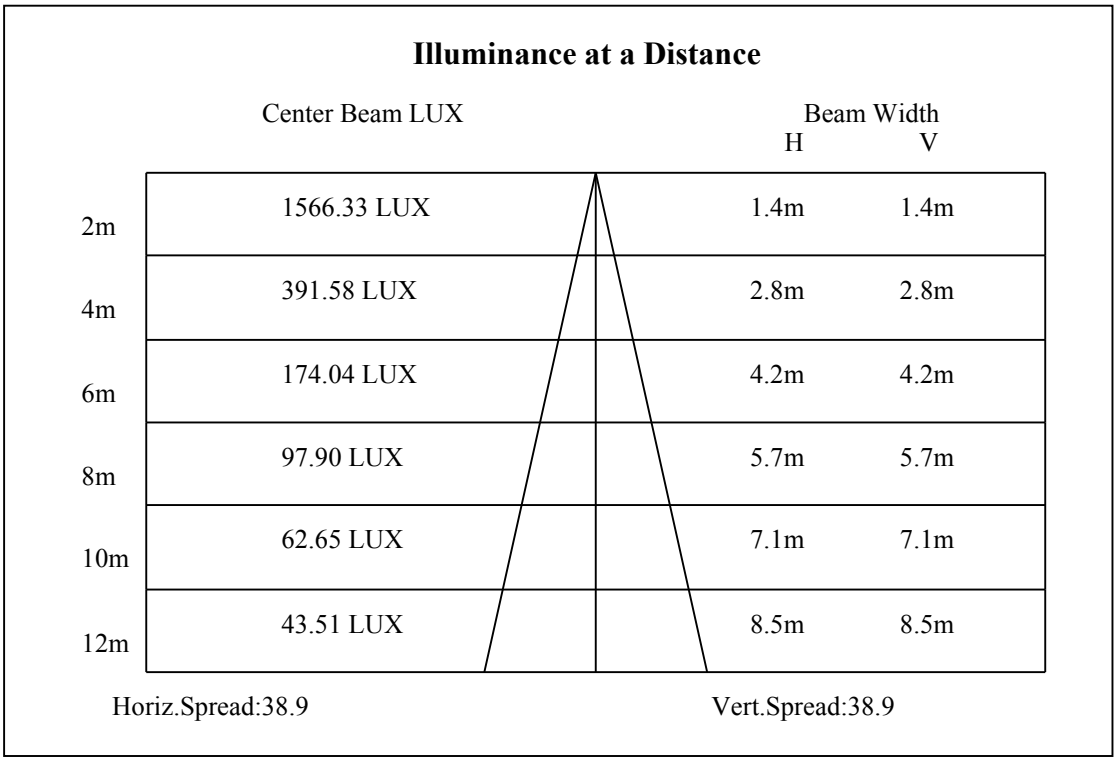
C0/C180:

C90/C270:

Field angle(10%Imax):C0/180Left:31.6 Right:31.6
:C90/270Left:31.6 Right:31.6

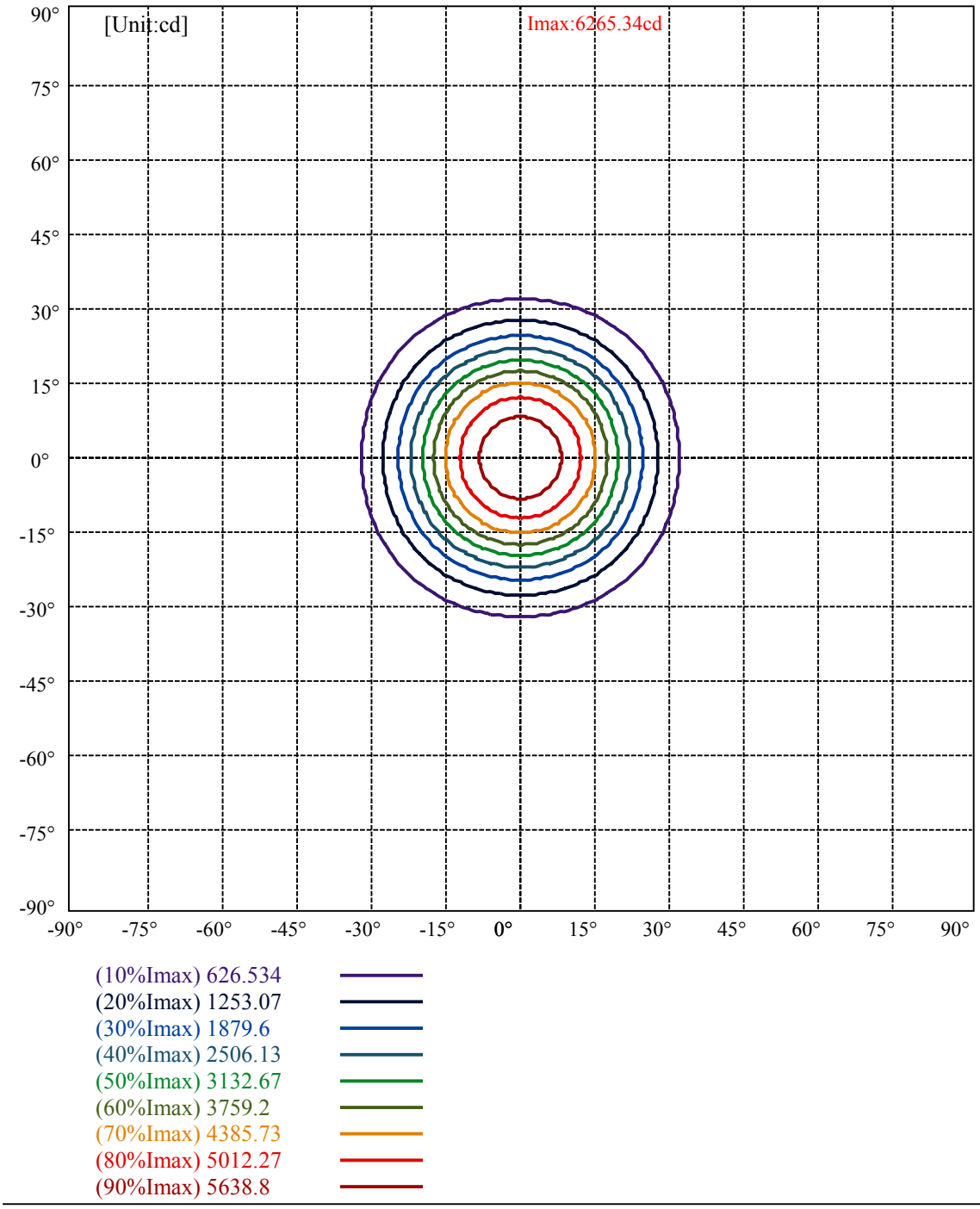
Beam Angle(50%Imax):C0/180Left:19.5 Right:19.5
:C90/270Left:19.5 Right:19.5

Lux distance Curve



Equipment: GMS1980 Date: 2023/11/17 Operator: NT07
Temperature(°C): 0.0 Humidity(%): 0.0% Distance(m): 7.44

ISO-Intensity(V-H)

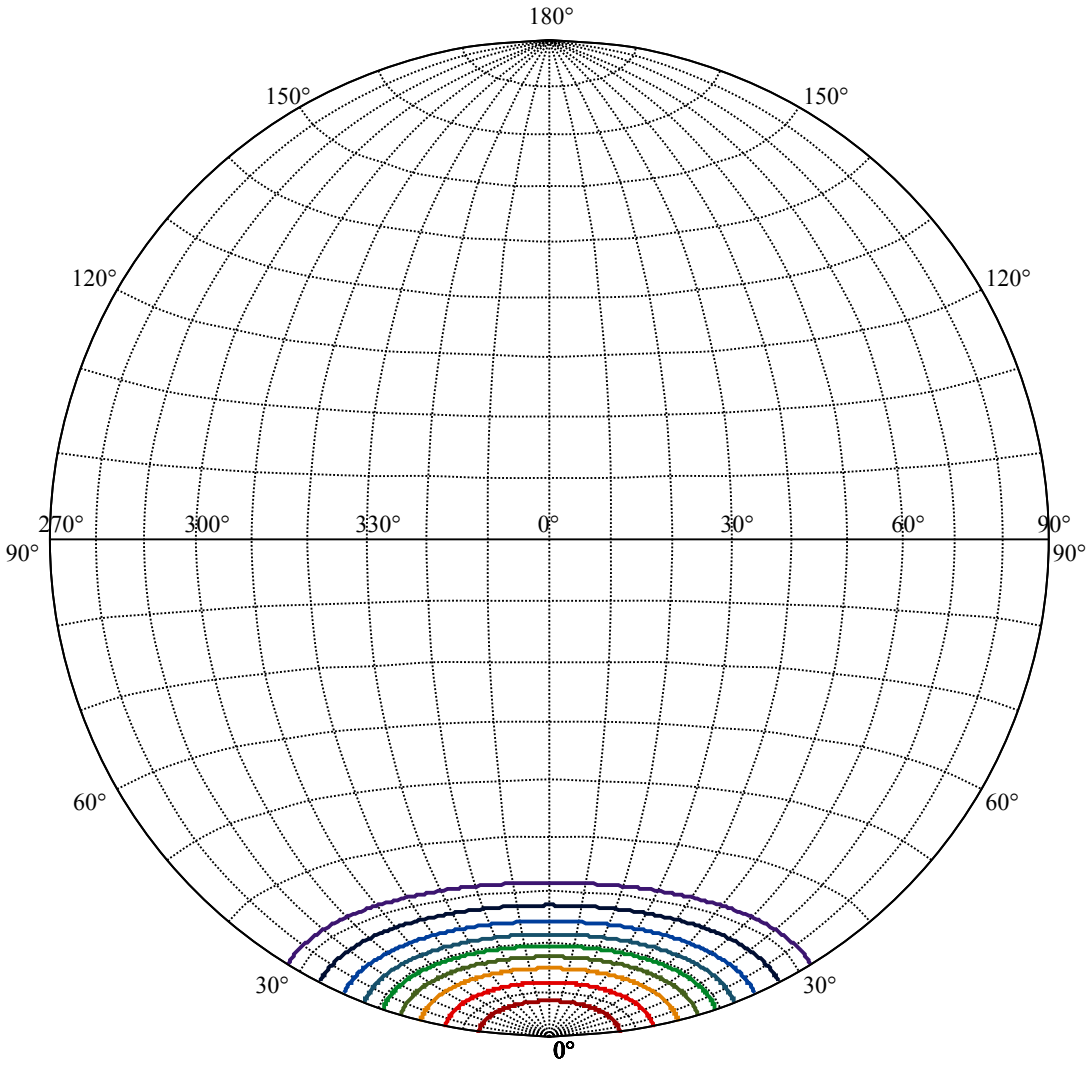


Equipment: GMS1980
Temperature(°C): 0.0

Date: 2023/11/17
Humidity(%): 0.0%

Operator: NT07
Distance(m): 7.44

ISO candela diagram on circular web



House [Unit:cd] Road

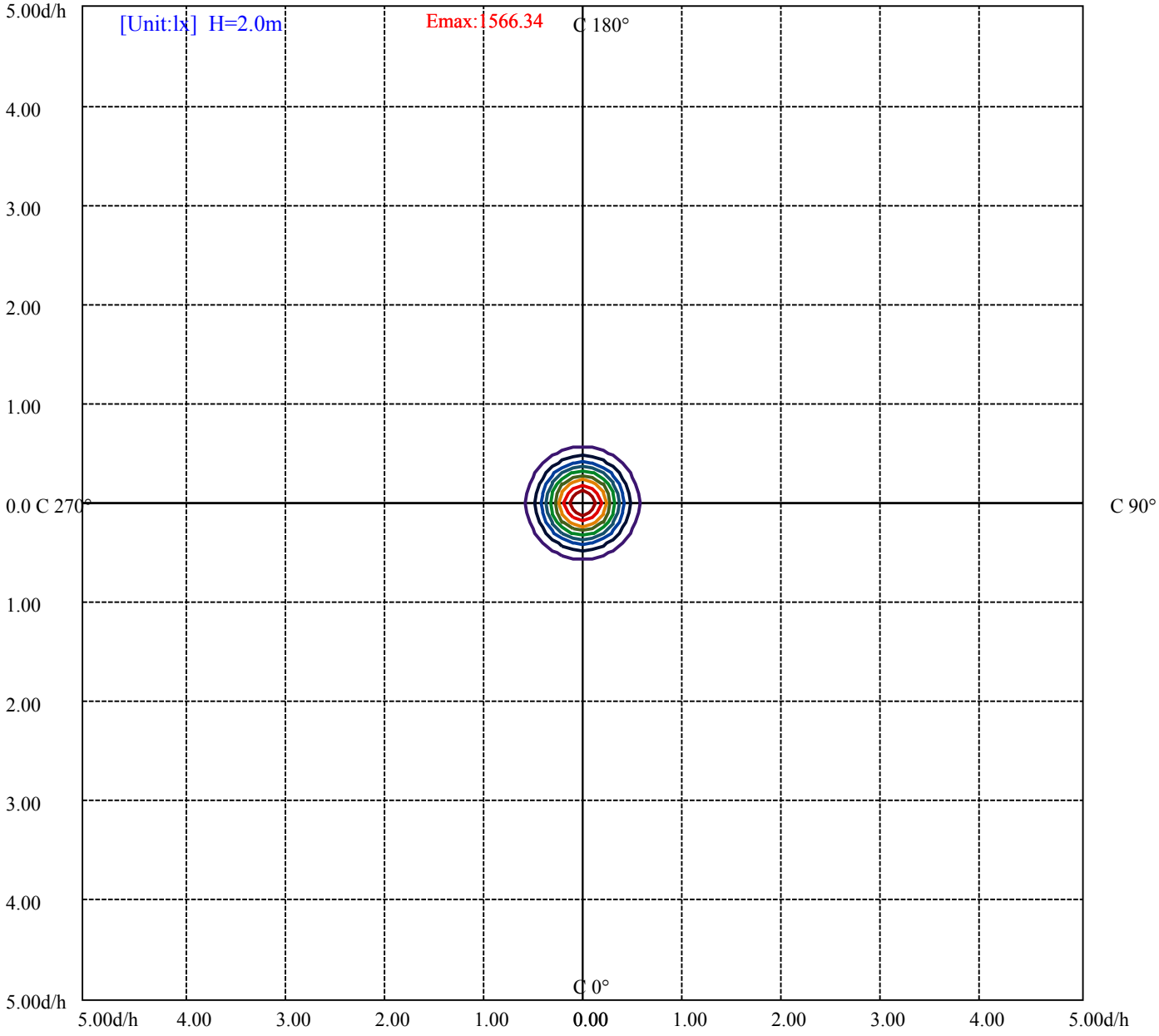
Imax:6265.34

(10%Imax) 626.534
(20%Imax) 1253.07
(30%Imax) 1879.6
(40%Imax) 2506.13
(50%Imax) 3132.67
(60%Imax) 3759.2
(70%Imax) 4385.73
(80%Imax) 5012.27
(90%Imax) 5638.8

Equipment: GMS1980 Date: 2023/11/17 Operator: NT07
Temperature(°C): 0.0 Humidity(%): 0.0% Distance(m): 7.44

NT 2-2645-L

ISO illuminance diagram



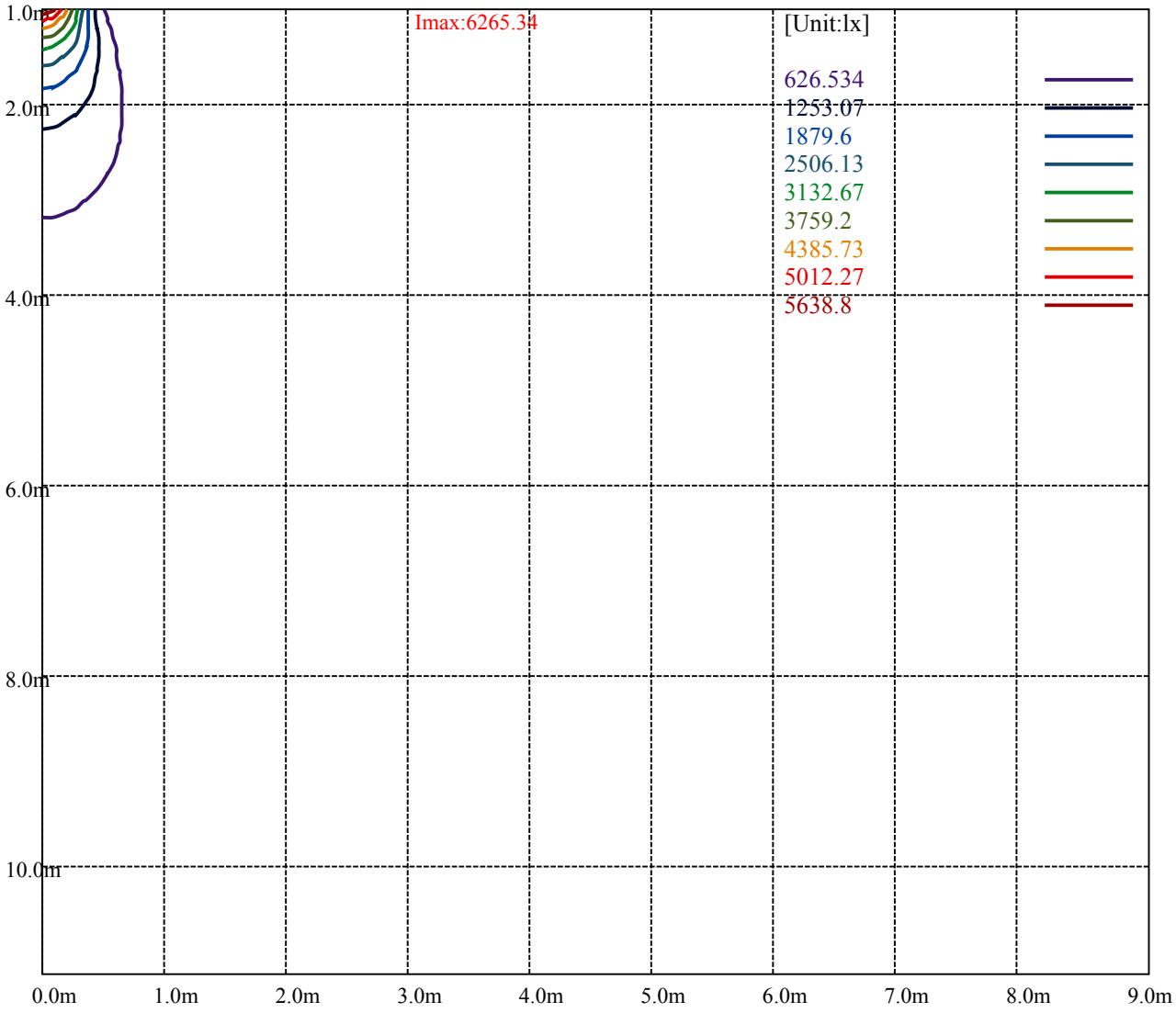
(10%Emax) 156.6333
(20%Emax) 313.2675
(30%Emax) 469.9
(40%Emax) 626.5325
(50%Emax) 783.1675
(60%Emax) 939.8
(70%Emax) 1096.432
(80%Emax) 1253.068
(90%Emax) 1409.7

Equipment: GMS1980
Temperature(°C): 0.0

Date: 2023/11/17
Humidity(%): 0.0%

Operator: NT07
Distance(m): 7.44

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 0.0

Date: 2023/11/17
Humidity(%): 0.0%

Operator: NT07
Distance(m): 7.44

Luminance Limitting Curve(no luminous side)

Luminance Table

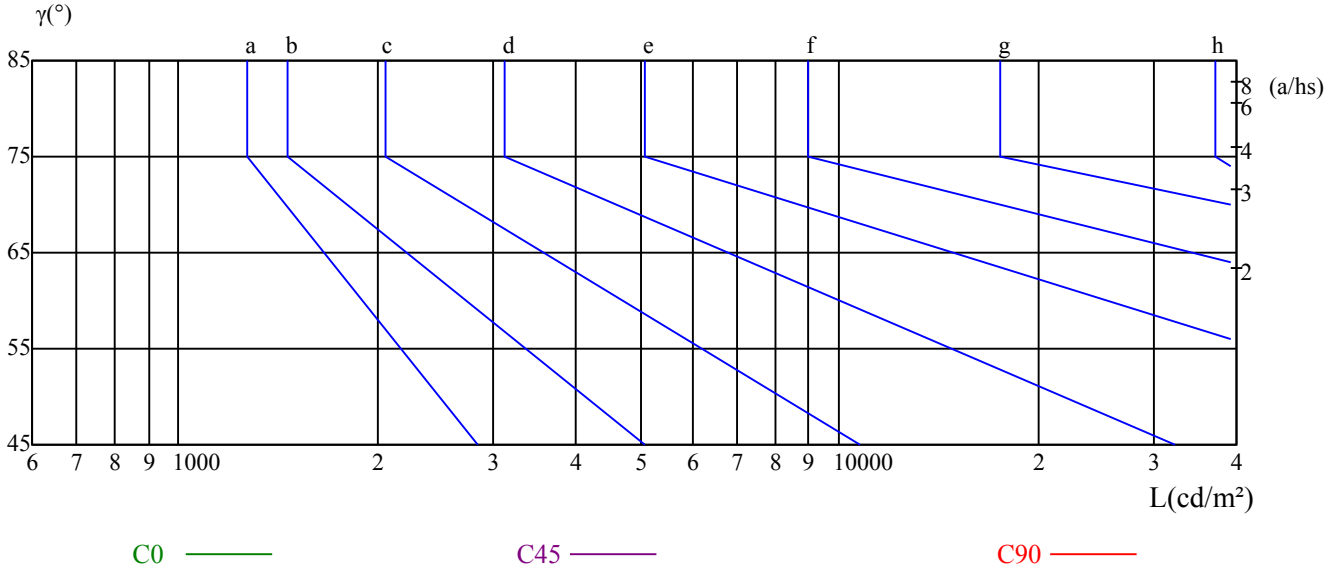
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

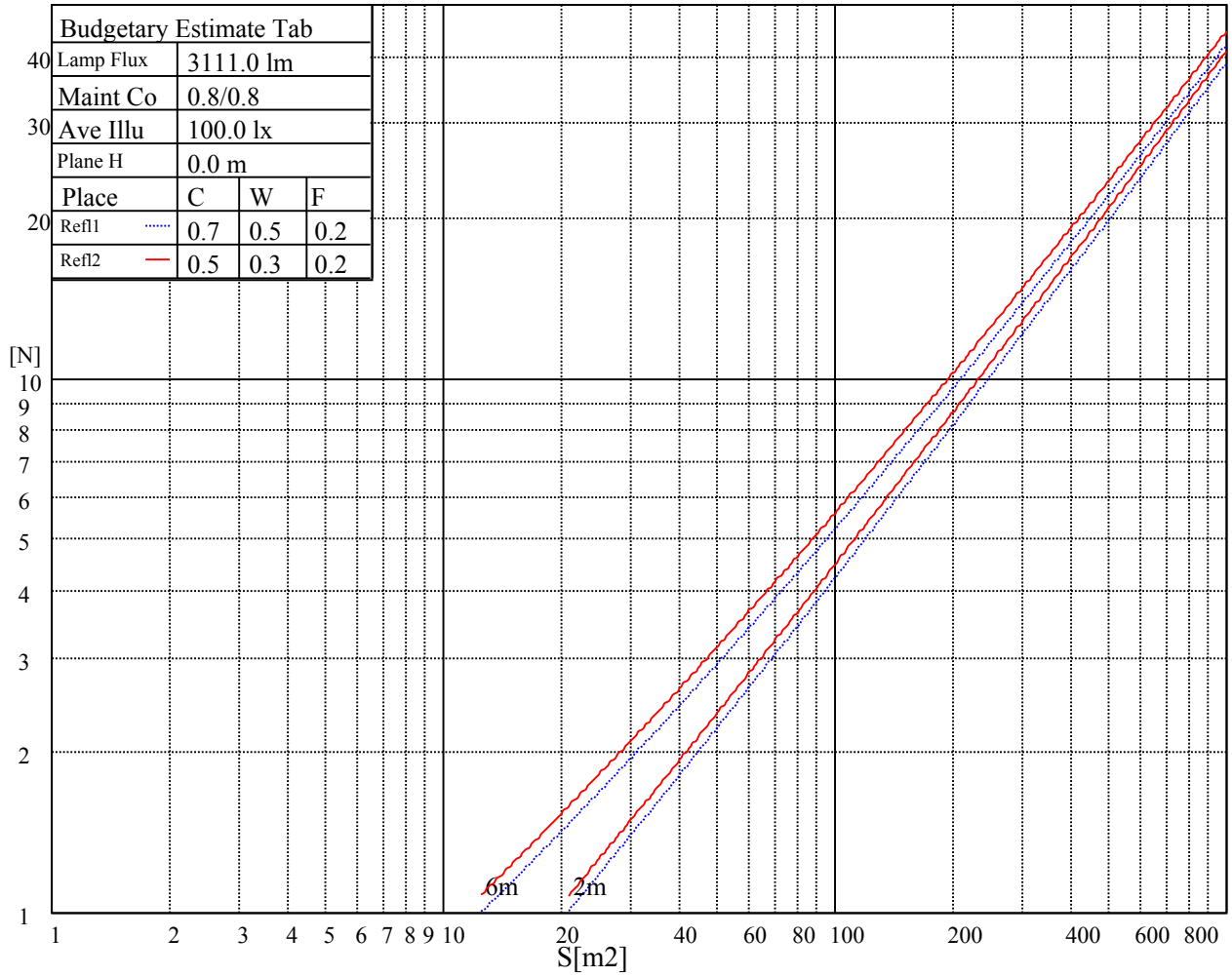
Luminance Limitting Curve



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

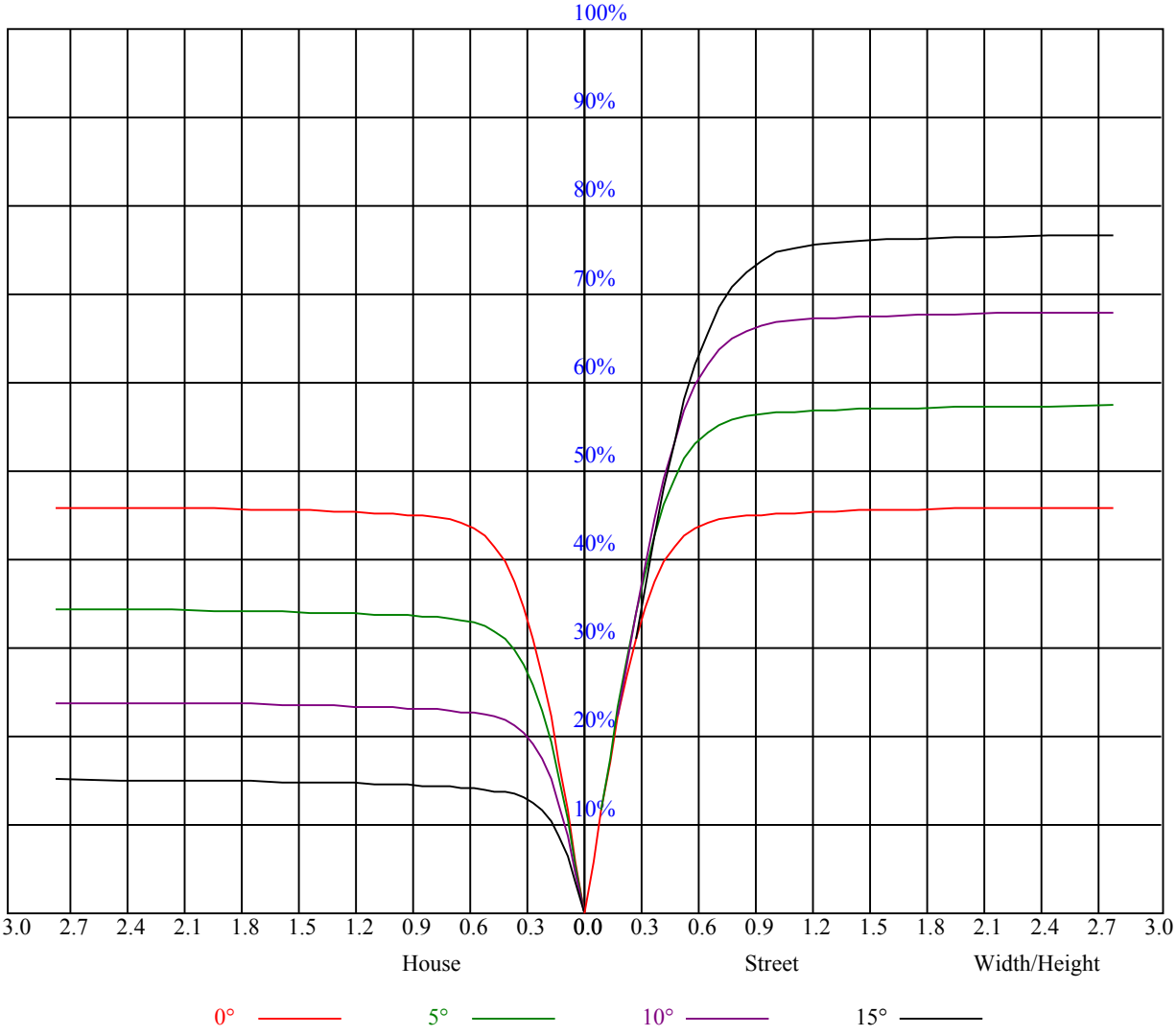


Equipment: GMS1980	Date: 2023/11/17	Operator: NT07
Temperature(°C): 0.0	Humidity(%): 0.0%	Distance(m): 7.44

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	1.10	1.10	1.10	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	0.92	0.91	0.90	0.89	0.87
2	0.97	0.94	0.91	0.95	0.92	0.90	0.92	0.90	0.88	0.90	0.88	0.86	0.87	0.86	0.84	0.83
3	0.92	0.88	0.84	0.90	0.87	0.84	0.88	0.85	0.82	0.86	0.83	0.81	0.84	0.82	0.80	0.78
4	0.87	0.82	0.79	0.86	0.82	0.79	0.84	0.80	0.78	0.82	0.79	0.77	0.81	0.78	0.76	0.75
5	0.83	0.78	0.75	0.82	0.77	0.74	0.80	0.76	0.74	0.79	0.76	0.73	0.77	0.75	0.72	0.71
6	0.79	0.74	0.71	0.78	0.74	0.70	0.77	0.73	0.70	0.76	0.72	0.69	0.74	0.71	0.69	0.68
7	0.75	0.71	0.67	0.75	0.70	0.67	0.74	0.70	0.67	0.73	0.69	0.66	0.72	0.68	0.66	0.65
8	0.72	0.67	0.64	0.72	0.67	0.64	0.71	0.67	0.64	0.70	0.66	0.63	0.69	0.66	0.63	0.62
9	0.69	0.64	0.61	0.69	0.64	0.61	0.68	0.64	0.61	0.67	0.63	0.61	0.66	0.63	0.61	0.60
10	0.66	0.62	0.59	0.66	0.62	0.59	0.65	0.61	0.59	0.65	0.61	0.58	0.64	0.61	0.58	0.57

Coefficient Utilization Curve



Equipment: GMS1980	Date: 2023/11/17	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	6254.96	6207.35	6115.47	6059.56	5962.14	5820.43	5710.83	5586.84	5464.51
45.0	6271.56	6243.33	6189.09	6111.04	6030.77	5915.64	5807.70	5639.42	5500.49
90.0	6256.62	6205.69	6113.81	6032.99	5921.73	5799.95	5645.51	5508.24	5367.09
135.0	6278.21	6268.24	6222.85	6146.46	6065.65	5959.37	5848.11	5728.54	5572.45
180.0	6254.96	6271.56	6279.31	6263.26	6204.03	6131.52	6056.24	5963.80	5854.75
225.0	6271.56	6284.29	6297.03	6267.69	6191.85	6119.89	6037.97	5905.68	5785.00
270.0	6256.62	6278.76	6286.51	6300.90	6282.08	6231.15	6146.46	6061.77	5956.60
315.0	6278.21	6277.65	6254.96	6222.30	6138.71	6079.49	5955.49	5862.50	5749.58
360.0	6254.96	6207.35	6115.47	6059.56	5962.14	5820.43	5710.83	5586.84	5464.51

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	5297.34	5142.35	4972.41	4790.30	4551.17	4340.83	4092.29	3754.63	3503.33
45.0	5370.41	5194.94	5033.30	4815.21	4630.33	4420.54	4197.46	3892.47	3631.20
90.0	5181.10	5013.93	4834.58	4589.37	4375.15	4163.14	3845.97	3576.95	3317.89
135.0	5449.01	5299.55	5145.12	4928.68	4733.29	4467.59	4227.35	3980.48	3661.09
180.0	5705.85	5596.25	5450.67	5256.93	5080.35	4892.15	4635.86	4405.04	4172.00
225.0	5670.98	5507.68	5345.50	5184.97	5014.48	4773.69	4553.94	4318.13	4072.36
270.0	5854.75	5736.85	5604.55	5420.78	5251.95	5081.46	4901.56	4646.93	4409.47
315.0	5628.91	5468.38	5309.52	5149.55	4989.02	4751.55	4543.98	4239.53	3991.55
360.0	5297.34	5142.35	4972.41	4790.30	4551.17	4340.83	4092.29	3754.63	3503.33

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	3239.29	2908.83	2648.67	2410.65	2124.47	1913.02	1701.02	1500.08	1076.35
45.0	3366.05	3100.91	2783.18	2539.62	2313.78	2091.81	1828.33	1615.22	1419.82
90.0	3051.09	2722.29	2473.75	2236.84	2018.75	1751.39	1539.94	1101.76	1101.76
135.0	3398.16	3136.89	2795.91	2547.37	2317.10	2089.04	1808.40	1599.17	1404.32
180.0	3842.09	3560.34	3296.86	3018.99	2676.35	2419.51	2188.68	1937.38	1723.16
225.0	3731.94	3453.51	3181.72	2831.89	2571.17	2326.51	2068.56	1878.70	1692.16
270.0	4152.63	3846.52	3562.56	3278.04	2953.11	2696.83	2385.19	2187.02	1979.44
315.0	3726.96	3376.02	3100.91	2827.46	2580.03	2291.09	2085.17	1887.00	1642.34
360.0	3239.29	2908.83	2648.67	2410.65	2124.47	1913.02	1701.02	1500.08	1076.35

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1076.35	972.40	834.84	673.60	548.61	430.71	326.42	226.01	176.69
45.0	1188.44	1034.56	860.75	732.88	606.12	489.88	354.82	285.62	285.62
90.0	990.61	848.85	683.67	560.84	418.92	321.49	240.68	186.04	148.35
135.0	1229.96	1040.09	897.84	767.20	612.21	494.31	358.69	287.84	287.84
180.0	1531.08	1352.84	1149.14	1006.33	834.18	710.19	588.41	446.15	341.53
225.0	1456.91	1079.95	1079.95	974.56	800.52	669.89	546.12	432.98	306.16
270.0	1798.99	1554.33	1382.73	1211.14	1046.74	856.87	725.13	595.05	468.29
315.0	1450.26	1074.58	1074.58	964.26	788.95	657.38	535.38	392.57	293.87
360.0	1076.35	972.40	834.84	673.60	548.61	430.71	326.42	226.01	176.69

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	143.86	124.99	110.76	97.81	88.07	79.71	70.91	65.04	59.95
45.0	160.14	131.80	115.25	103.12	92.77	81.76	74.45	66.59	61.33
90.0	127.92	112.42	100.69	88.01	79.82	72.73	66.59	60.17	55.85
135.0	159.20	130.08	113.81	101.80	91.28	80.37	73.23	66.92	61.72
180.0	295.03	295.03	148.57	127.53	112.42	100.08	87.02	78.66	71.13
225.0	225.46	176.47	142.59	122.33	105.12	94.43	84.47	75.95	67.64
270.0	338.76	293.93	293.93	148.46	125.76	106.61	95.10	85.30	76.44
315.0	201.71	163.63	139.71	120.50	104.34	94.21	84.69	74.89	68.42
360.0	143.86	124.99	110.76	97.81	88.07	79.71	70.91	65.04	59.95

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	55.69	50.98	47.77	44.95	42.40	39.58	37.70	35.59	34.04
45.0	56.90	52.14	48.82	45.83	42.57	40.24	38.14	36.42	34.43
90.0	52.03	47.77	44.89	41.79	39.58	37.64	35.92	33.93	32.55
135.0	56.24	52.48	49.10	45.39	42.79	40.35	37.81	36.09	34.54
180.0	64.93	58.62	54.52	50.04	46.94	44.28	41.29	39.13	37.25
225.0	62.27	57.73	53.69	49.43	46.55	43.90	40.91	38.86	37.03
270.0	67.92	62.27	57.68	53.58	49.15	46.16	43.56	41.24	38.58
315.0	62.83	58.12	54.19	49.76	46.72	43.34	40.85	38.69	36.31
360.0	55.69	50.98	47.77	44.95	42.40	39.58	37.70	35.59	34.04

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	32.71	31.16	30.11	29.06	28.12	27.12	26.35	25.63	24.96
45.0	33.10	31.88	30.78	29.50	28.51	27.68	26.68	25.91	25.19
90.0	31.33	30.22	28.95	28.06	27.29	26.29	25.57	24.91	24.24
135.0	32.77	31.55	30.44	29.45	28.29	27.51	26.74	26.02	25.24
180.0	35.15	33.71	32.33	31.11	29.78	28.84	27.90	27.18	26.24
225.0	34.98	33.49	32.11	30.61	29.56	28.62	27.51	26.68	25.91
270.0	36.70	34.65	33.16	31.83	30.39	29.39	28.34	27.51	26.51
315.0	34.65	33.10	31.44	30.28	29.23	28.17	27.12	26.35	25.57
360.0	32.71	31.16	30.11	29.06	28.12	27.12	26.35	25.63	24.96

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	24.13	23.58	22.97	22.31	21.81	21.31	20.70	20.26	19.82
45.0	24.41	23.86	23.25	22.58	22.09	21.64	21.15	20.48	20.09
90.0	23.64	23.08	22.42	21.92	21.42	20.98	20.37	19.93	19.54
135.0	24.63	24.13	23.36	22.92	22.31	21.81	21.37	20.98	20.43
180.0	25.57	24.91	24.19	23.64	23.08	22.42	21.98	21.48	20.92
225.0	25.19	24.41	23.80	23.19	22.58	21.92	21.37	20.87	20.26
270.0	25.74	25.02	24.36	23.64	23.03	22.42	21.75	21.26	20.70
315.0	24.80	23.97	23.41	22.81	22.09	21.53	20.92	20.43	19.93
360.0	24.13	23.58	22.97	22.31	21.81	21.31	20.70	20.26	19.82

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	19.32	18.99	18.88	19.15	18.65	17.60	16.94	16.55	16.00
45.0	19.71	19.76	21.03	23.30	23.58	22.42	22.03	19.60	17.77
90.0	18.99	18.60	18.21	18.60	20.31	21.09	18.05	17.05	15.94
135.0	20.15	22.14	26.02	30.83	28.06	25.63	19.76	17.71	16.55
180.0	20.48	20.04	19.76	20.48	21.31	22.03	20.70	18.49	17.27
225.0	19.82	19.26	18.82	18.38	17.99	17.44	17.05	16.66	16.27
270.0	20.09	19.65	19.10	18.71	18.27	17.88	17.33	16.88	16.50
315.0	19.37	18.93	18.49	18.10	17.55	17.21	16.77	16.33	15.89
360.0	19.32	18.99	18.88	19.15	18.65	17.60	16.94	16.55	16.00

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	15.61	15.11	14.72	14.28	13.56	13.23	13.06	12.90	12.62
45.0	16.33	15.44	15.06	14.56	14.06	13.23	12.95	12.79	12.57
90.0	15.22	14.72	14.28	13.89	13.06	12.84	12.62	12.40	12.45
135.0	15.94	15.44	14.83	14.45	14.06	13.17	12.73	12.45	12.34
180.0	16.55	16.11	15.55	15.17	14.67	14.34	13.84	13.12	12.84
225.0	15.78	15.33	15.00	14.50	14.17	13.78	13.45	13.12	12.84
270.0	16.05	15.67	15.22	14.78	14.28	13.89	13.56	13.23	12.95
315.0	15.50	15.06	14.61	14.23	13.84	13.45	13.17	12.95	12.62
360.0	15.61	15.11	14.72	14.28	13.56	13.23	13.06	12.90	12.62

Intensity data(cd)

C/γ(°)	90.0
0.0	12.73
45.0	12.62
90.0	12.45
135.0	12.45
180.0	12.51
225.0	12.57
270.0	12.73
315.0	12.40
360.0	12.73