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NT

Client:
LumCAT: 2-2643-L
Luminaire: 92.70.412.00
Report No: 20231117-B021
Ballast type: AC

Test No: 20231117-C021	Voltage(V): 35.900
LampCAT: P2141-036-1206-P3090-1	Current(A): 0.700
Lamp flux(lm): 3111.0	Power (W): 25.130
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 2941.09, Efficiency(%): 94.54% , Luminous Efficacy(lm/W): 117.04
Central intensity(cd): 14034.900, Maximum intensity(cd): 14034.900
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=19.2
[C90/270]Total=19.2
Field angle(10%Imax): [C0/180]Total=48.6
[C90/270]Total=48.6
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(%): 94.54%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 97.947%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	14034.905	0.000	0	0.00%	0.00%
1.0	13946.340	13.388	13.388	0.43%	0.46%
2.0	13642.587	39.598	52.987	1.27%	1.80%
3.0	12786.405	63.209	116.196	2.03%	3.95%
4.0	12216.263	83.692	199.888	2.69%	6.80%
5.0	11423.046	101.695	301.583	3.27%	10.25%
6.0	10628.168	115.885	417.468	3.73%	14.19%
7.0	9686.119	126.090	543.559	4.05%	18.48%
8.0	8586.727	130.775	674.334	4.20%	22.93%
9.0	7607.245	131.243	805.577	4.22%	27.39%
10.0	6636.689	128.902	934.48	4.14%	31.77%
11.0	5834.892	124.617	1059.096	4.01%	36.01%
12.0	5086.857	119.390	1178.487	3.84%	40.07%
13.0	4511.872	113.913	1292.399	3.66%	43.94%
14.0	4019.017	109.195	1401.594	3.51%	47.66%
15.0	3631.265	105.026	1506.62	3.38%	51.23%
16.0	3276.449	101.217	1607.838	3.25%	54.67%
17.0	2962.594	97.159	1704.996	3.12%	57.97%
18.0	2731.493	93.883	1798.88	3.02%	61.16%
19.0	2527.515	91.496	1890.376	2.94%	64.27%
20.0	2292.054	88.211	1978.587	2.84%	67.27%
21.0	1990.308	82.230	2060.817	2.64%	70.07%
22.0	1796.017	76.088	2136.905	2.45%	72.66%
23.0	1632.101	71.931	2208.836	2.31%	75.10%
24.0	1431.105	66.973	2275.809	2.15%	77.38%
25.0	1325.864	62.687	2338.496	2.02%	79.51%
26.0	1173.780	59.004	2397.501	1.90%	81.52%
27.0	1083.519	55.225	2452.726	1.78%	83.40%
28.0	966.550	51.903	2504.629	1.67%	85.16%
29.0	841.721	47.309	2551.939	1.52%	86.77%
30.0	723.472	42.260	2594.199	1.36%	88.21%
31.0	615.733	37.268	2631.467	1.20%	89.47%
32.0	504.624	32.097	2663.564	1.03%	90.56%
33.0	409.167	26.921	2690.484	0.87%	91.48%
34.0	321.570	22.114	2712.598	0.71%	92.23%
35.0	264.493	18.201	2730.799	0.59%	92.85%
36.0	226.030	15.618	2746.418	0.50%	93.38%
37.0	192.921	13.664	2760.082	0.44%	93.85%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	150.852	11.475	2771.556	0.37%	94.24%
39.0	134.724	9.747	2781.304	0.31%	94.57%
40.0	119.391	8.863	2790.166	0.28%	94.87%
41.0	106.909	8.058	2798.225	0.26%	95.14%
42.0	96.073	7.375	2805.599	0.24%	95.39%
43.0	86.123	6.749	2812.349	0.22%	95.62%
44.0	78.401	6.210	2818.558	0.20%	95.83%
45.0	70.984	5.741	2824.299	0.18%	96.03%
46.0	65.061	5.320	2829.62	0.17%	96.21%
47.0	59.484	4.954	2834.573	0.16%	96.38%
48.0	55.056	4.630	2839.204	0.15%	96.54%
49.0	51.008	4.356	2843.559	0.14%	96.68%
50.0	47.590	4.111	2847.67	0.13%	96.82%
51.0	44.608	3.901	2851.571	0.13%	96.96%
52.0	41.951	3.714	2855.285	0.12%	97.08%
53.0	39.654	3.550	2858.835	0.11%	97.20%
54.0	37.564	3.403	2862.238	0.11%	97.32%
55.0	35.966	3.282	2865.521	0.11%	97.43%
56.0	34.506	3.184	2868.705	0.10%	97.54%
57.0	33.247	3.098	2871.803	0.10%	97.64%
58.0	32.188	3.026	2874.829	0.10%	97.75%
59.0	31.323	2.969	2877.798	0.10%	97.85%
60.0	30.514	2.921	2880.719	0.09%	97.95%
61.0	29.787	2.878	2883.597	0.09%	98.05%
62.0	29.061	2.836	2886.433	0.09%	98.14%
63.0	28.279	2.789	2889.221	0.09%	98.24%
64.0	27.289	2.727	2891.948	0.09%	98.33%
65.0	26.328	2.653	2894.602	0.09%	98.42%
66.0	25.317	2.577	2897.178	0.08%	98.51%
67.0	24.245	2.492	2899.67	0.08%	98.59%
68.0	23.249	2.406	2902.076	0.08%	98.67%
69.0	22.308	2.324	2904.4	0.07%	98.75%
70.0	21.429	2.246	2906.647	0.07%	98.83%
71.0	20.619	2.173	2908.82	0.07%	98.90%
72.0	19.920	2.108	2910.928	0.07%	98.97%
73.0	19.311	2.052	2912.979	0.07%	99.04%
74.0	18.799	2.004	2914.983	0.06%	99.11%
75.0	18.218	1.956	2916.939	0.06%	99.18%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	17.672	1.905	2918.844	0.06%	99.24%
77.0	17.180	1.858	2920.702	0.06%	99.31%
78.0	16.703	1.814	2922.516	0.06%	99.37%
79.0	16.205	1.768	2924.284	0.06%	99.43%
80.0	15.700	1.720	2926.004	0.06%	99.49%
81.0	15.257	1.674	2927.678	0.05%	99.54%
82.0	14.807	1.630	2929.309	0.05%	99.60%
83.0	14.378	1.587	2930.895	0.05%	99.65%
84.0	14.011	1.547	2932.442	0.05%	99.71%
85.0	13.665	1.511	2933.952	0.05%	99.76%
86.0	13.368	1.478	2935.43	0.05%	99.81%
87.0	13.126	1.450	2936.88	0.05%	99.86%
88.0	12.884	1.425	2938.305	0.05%	99.91%
89.0	12.669	1.401	2939.705	0.05%	99.95%
90.0	12.586	1.385	2941.09	0.04%	100.00%

Zonal flux distribution table

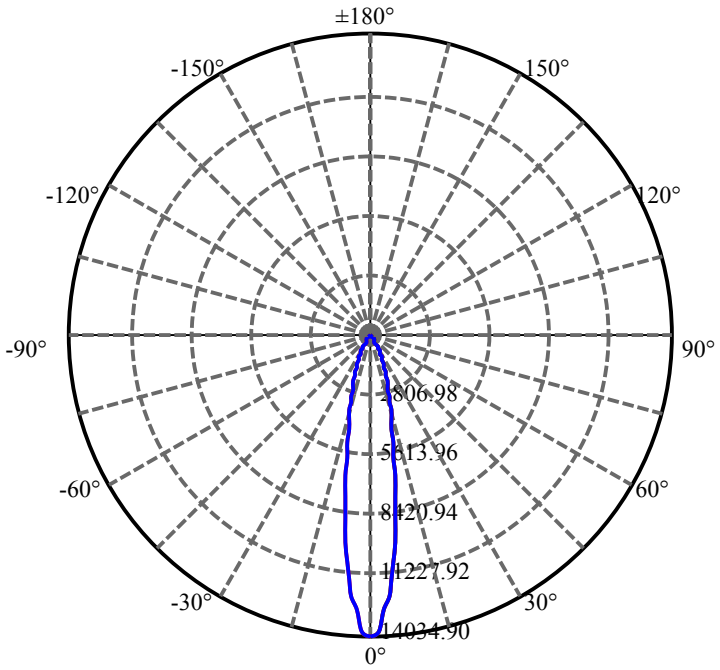
ZONAL LUMEN SUMMARY

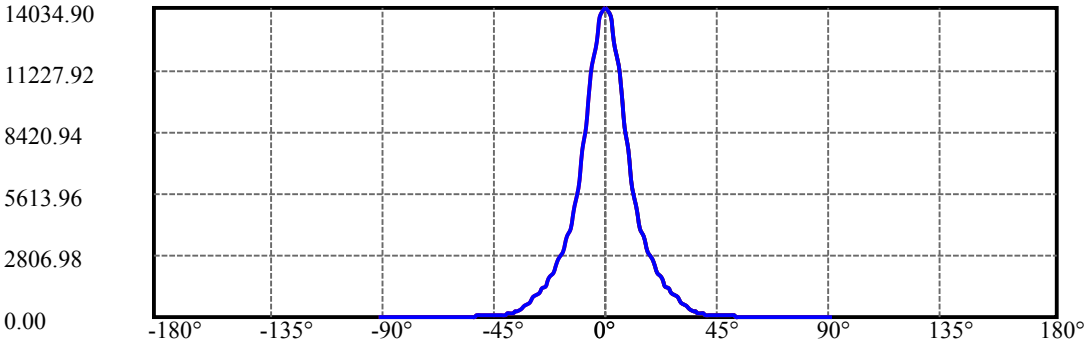
Zone	Lumens	%Lamp	%Fixt
0-30	2594.20	83.39%	88.21%
0-40	2790.17	89.69%	94.87%
0-60	2880.72	92.60%	97.95%
0-90	2939.71	94.50%	99.95%
0-120	2939.71	94.50%	99.95%
0-180	2941.09	94.54%	100.00%
60-90	58.99	1.90%	2.01%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-25.24	2352.87	75.63%	80.00%

ZONAL LUMEN SUMMARY

0-10	934.48
10-20	1044.11
20-30	615.61
30-40	195.97
40-50	57.50
50-60	33.05
60-70	25.93
70-80	19.36
80-90	13.70
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):

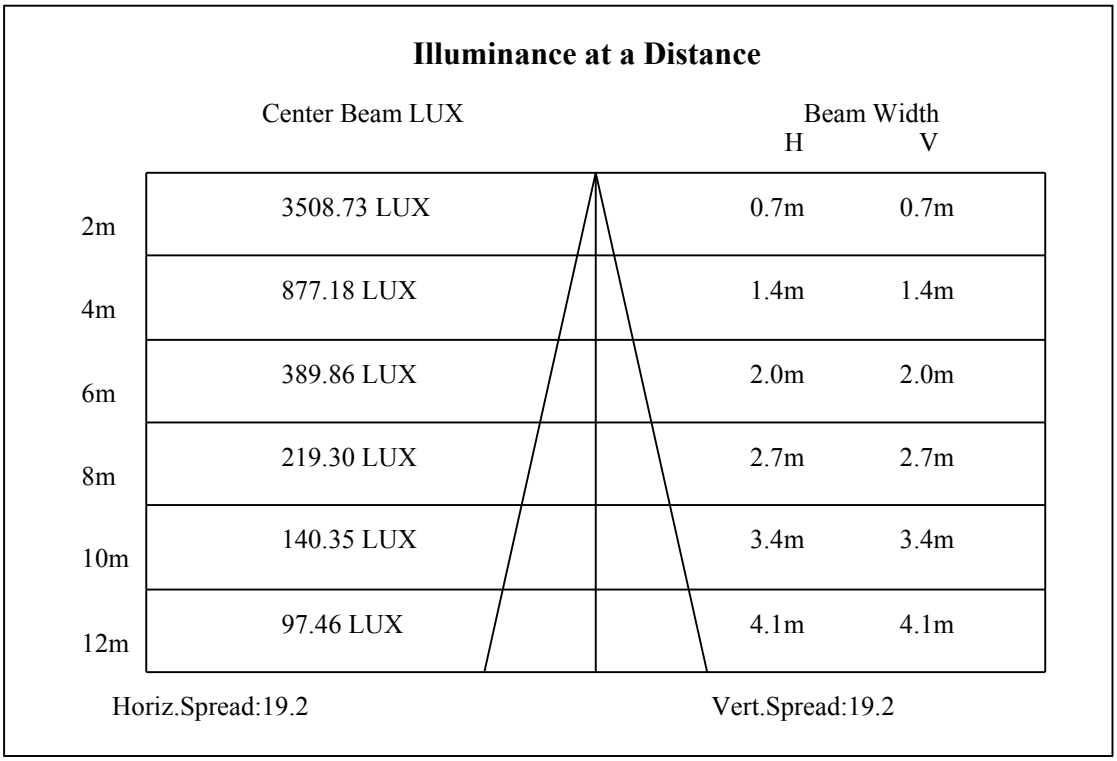
C0/C180:

C90/C270:

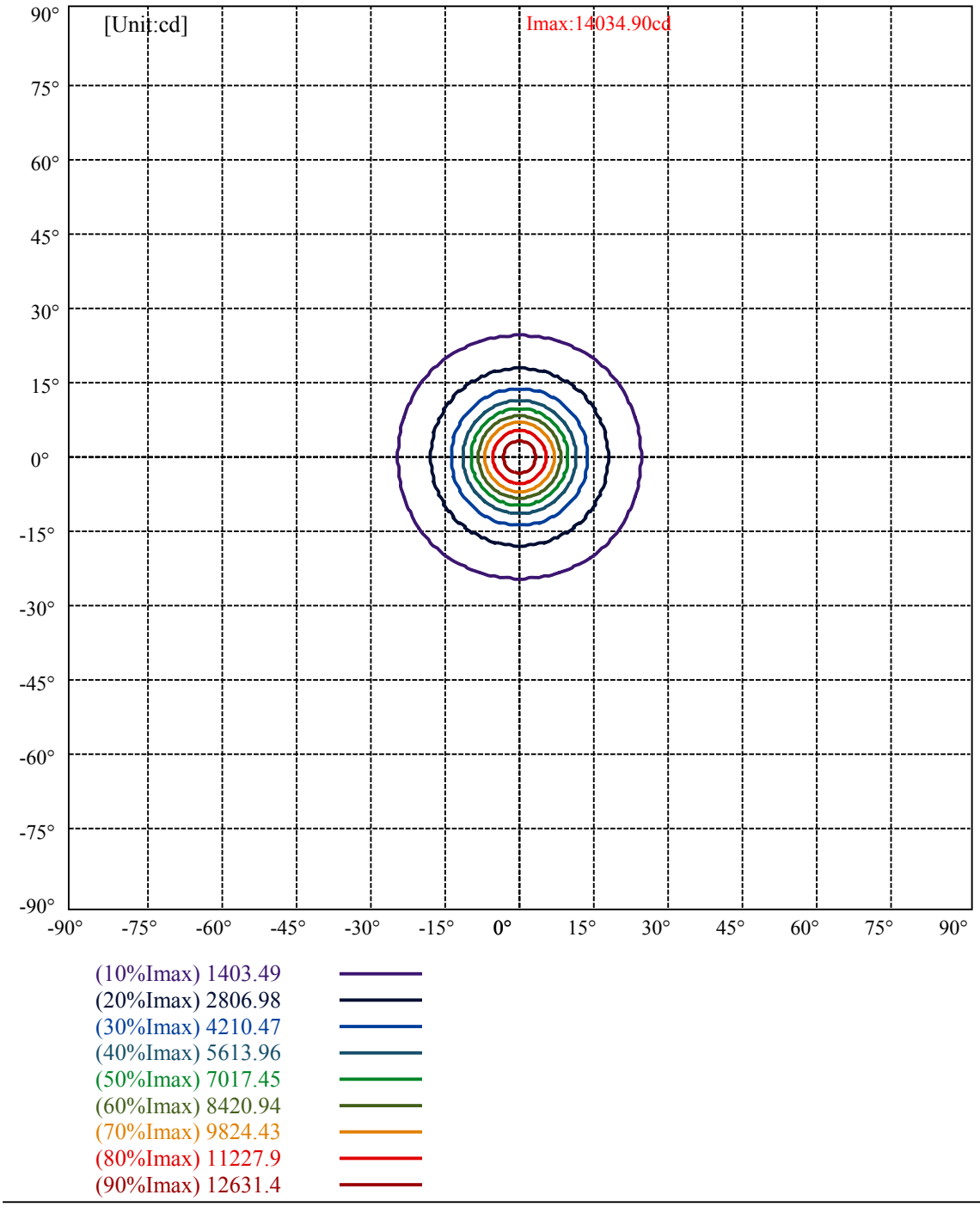
Field angle(10%Imax):C0/180Left:24.3 Right:24.3
:C90/270Left:24.3 Right:24.3

Beam Angle(50%Imax):C0/180Left:9.6 Right:9.6
:C90/270Left:9.6 Right:9.6

Lux distance Curve



ISO-Intensity(V-H)

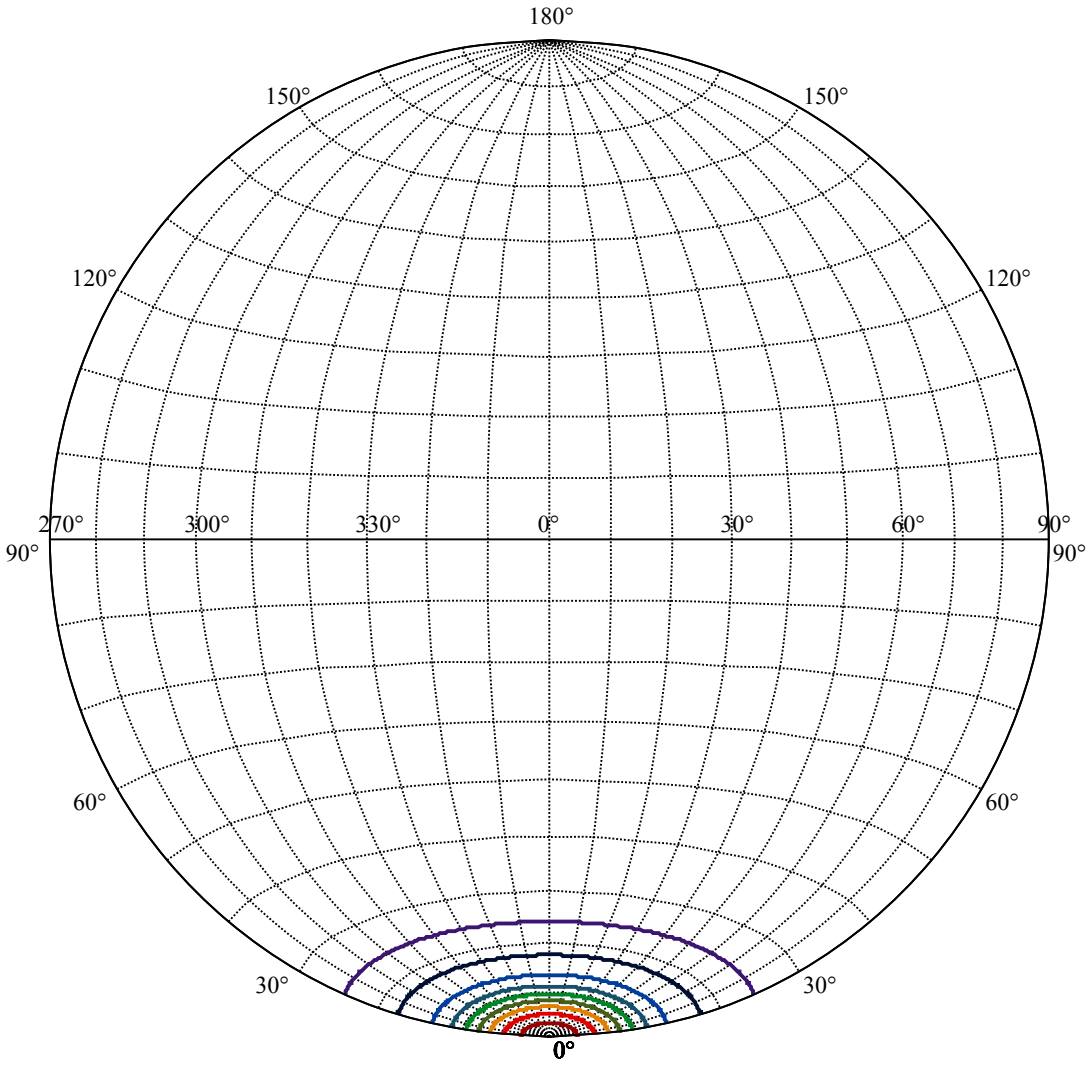


Equipment: GMS1980
Temperature(°C): 0.0

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

Operator: NT07
Distance(m): 7.44

ISO candela diagram on circular web



[Unit:cd]

Imax:14034.90

(10%Imax) 1403.49
(20%Imax) 2806.98
(30%Imax) 4210.47
(40%Imax) 5613.96
(50%Imax) 7017.45
(60%Imax) 8420.94
(70%Imax) 9824.43
(80%Imax) 11227.9
(90%Imax) 12631.4

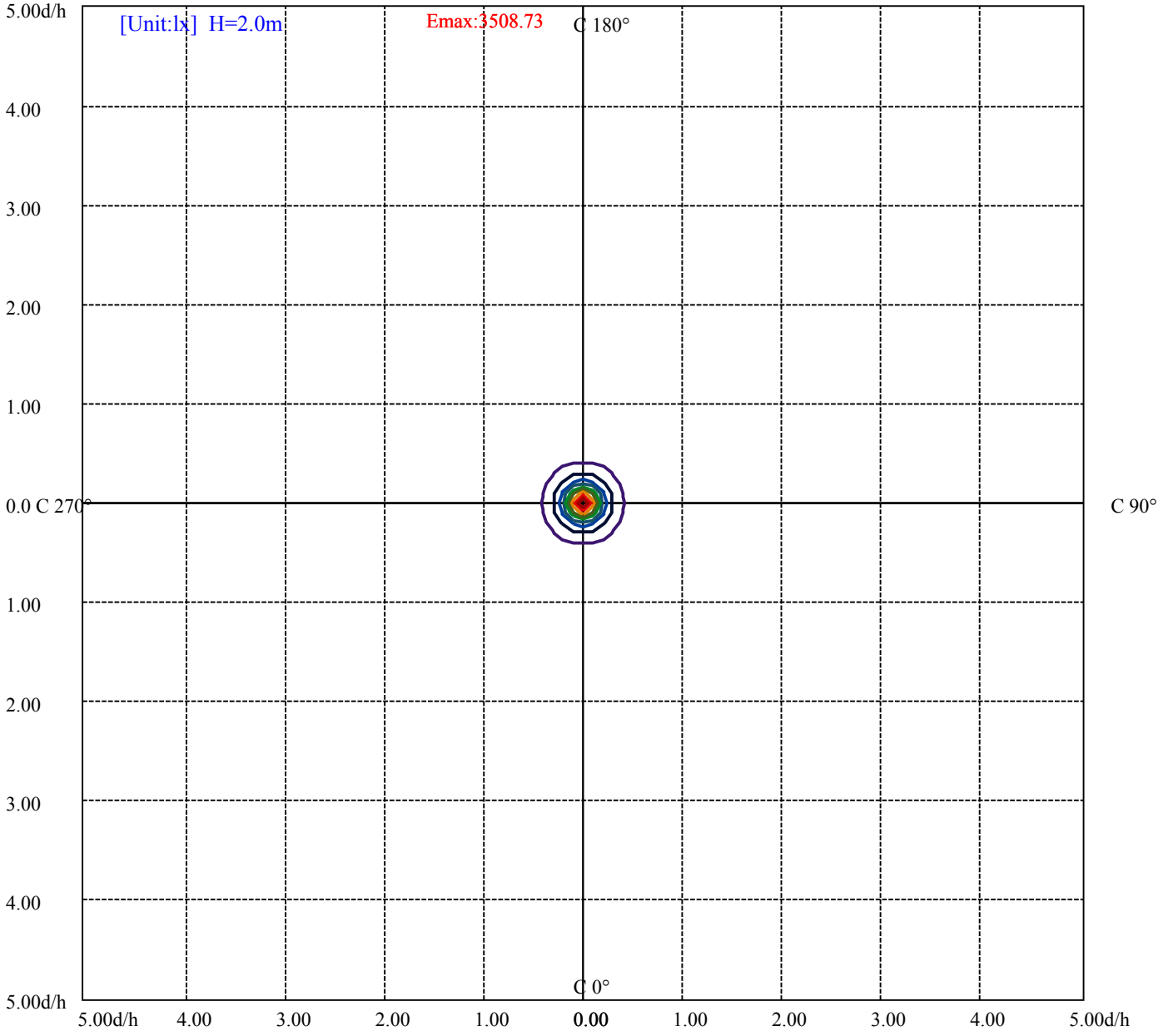
Equipment: GMS1980
Temperature(°C): 0.0

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

Operator: NT07
Distance(m): 7.44

NT 2-2643-L

ISO illuminance diagram

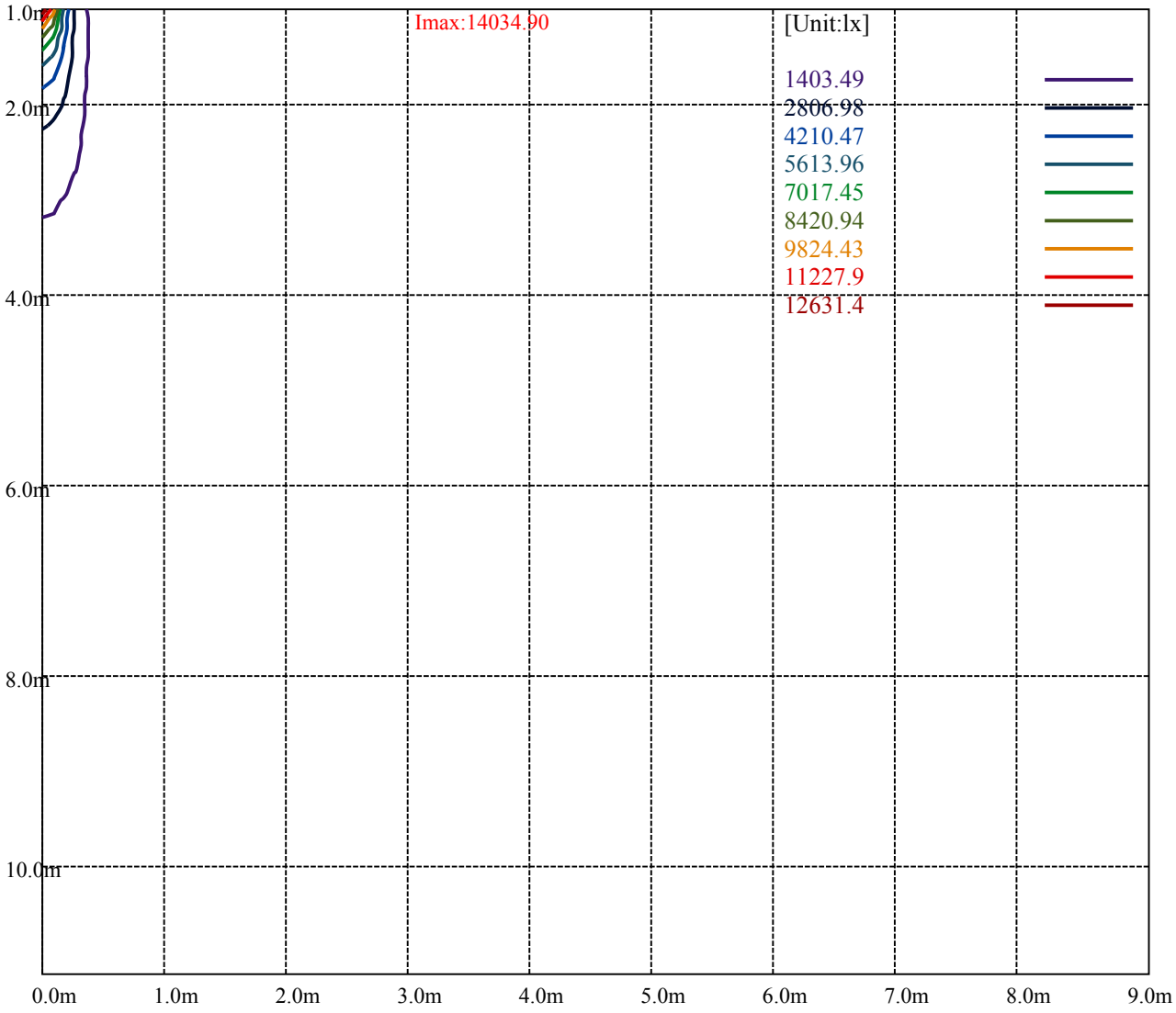


Equipment: GMS1980
Temperature(°C): 0.0

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

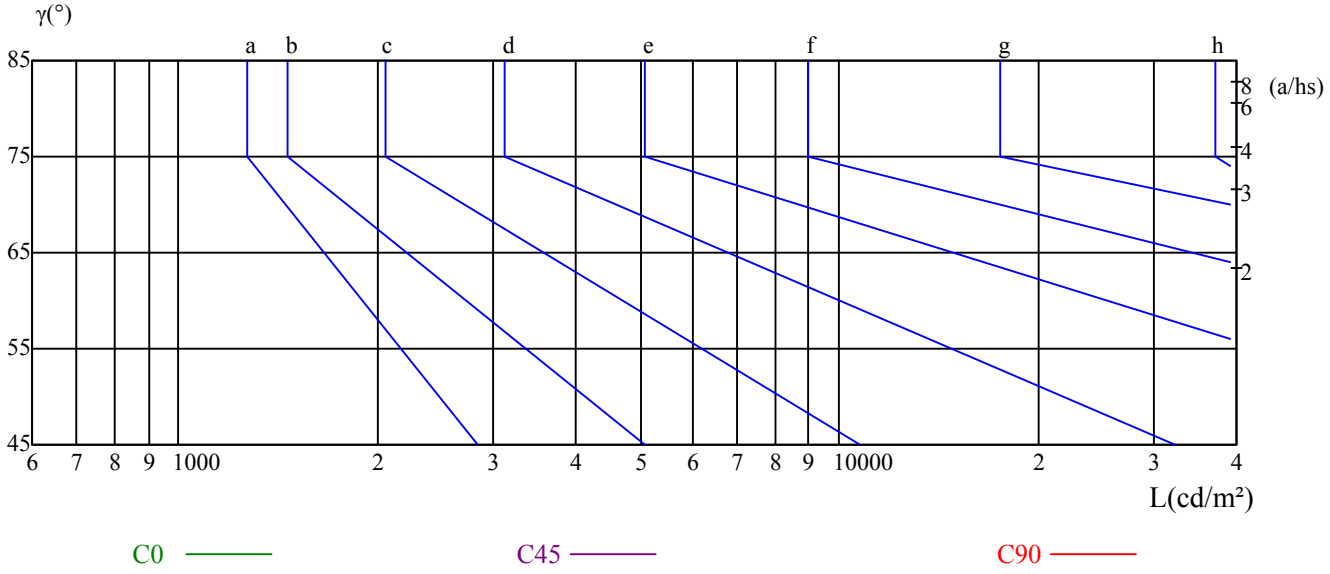
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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



Equipment: GMS1980
Temperature(°C): 0.0

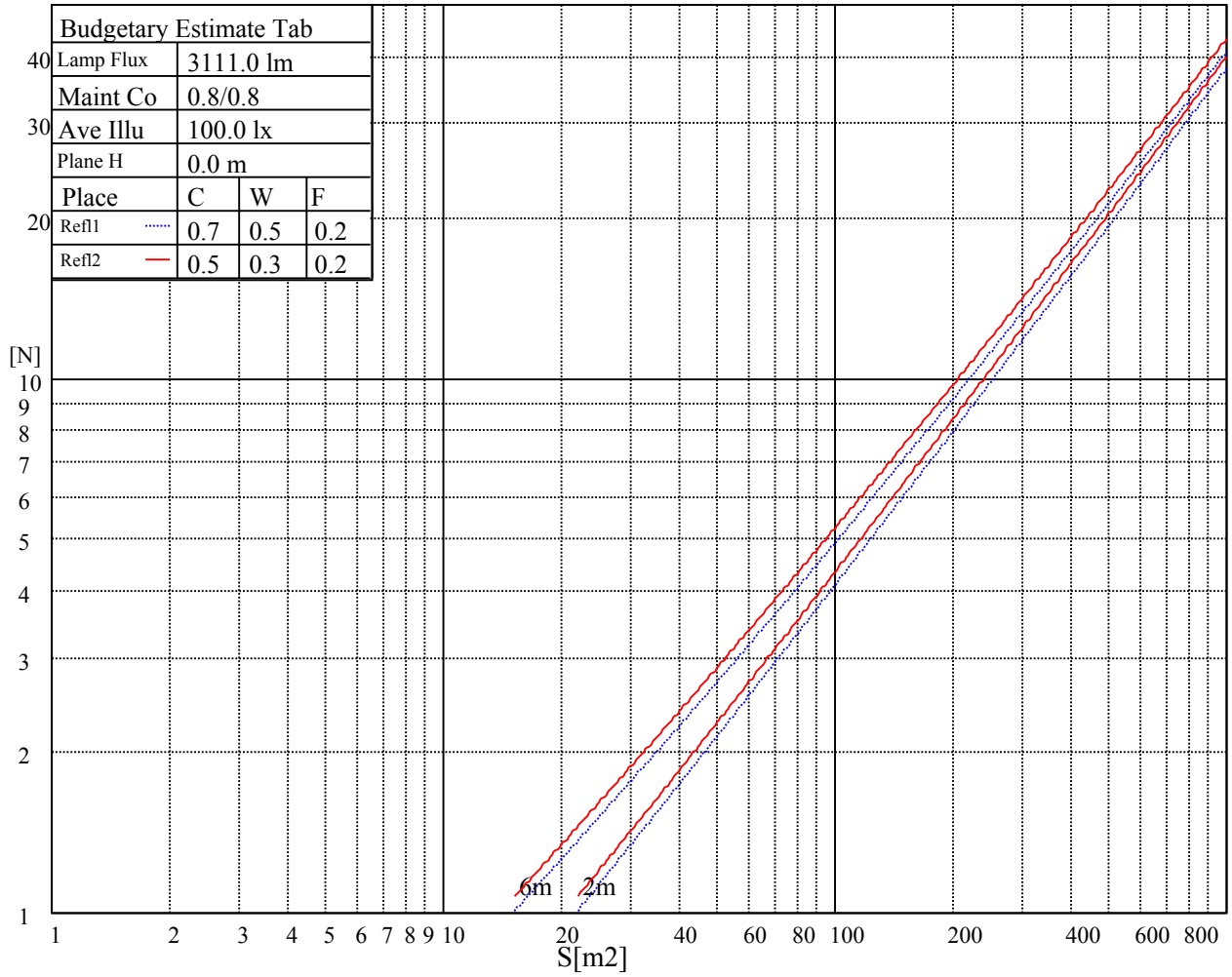
Date: 2023/11/17
Humidity(%): 0.0%

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

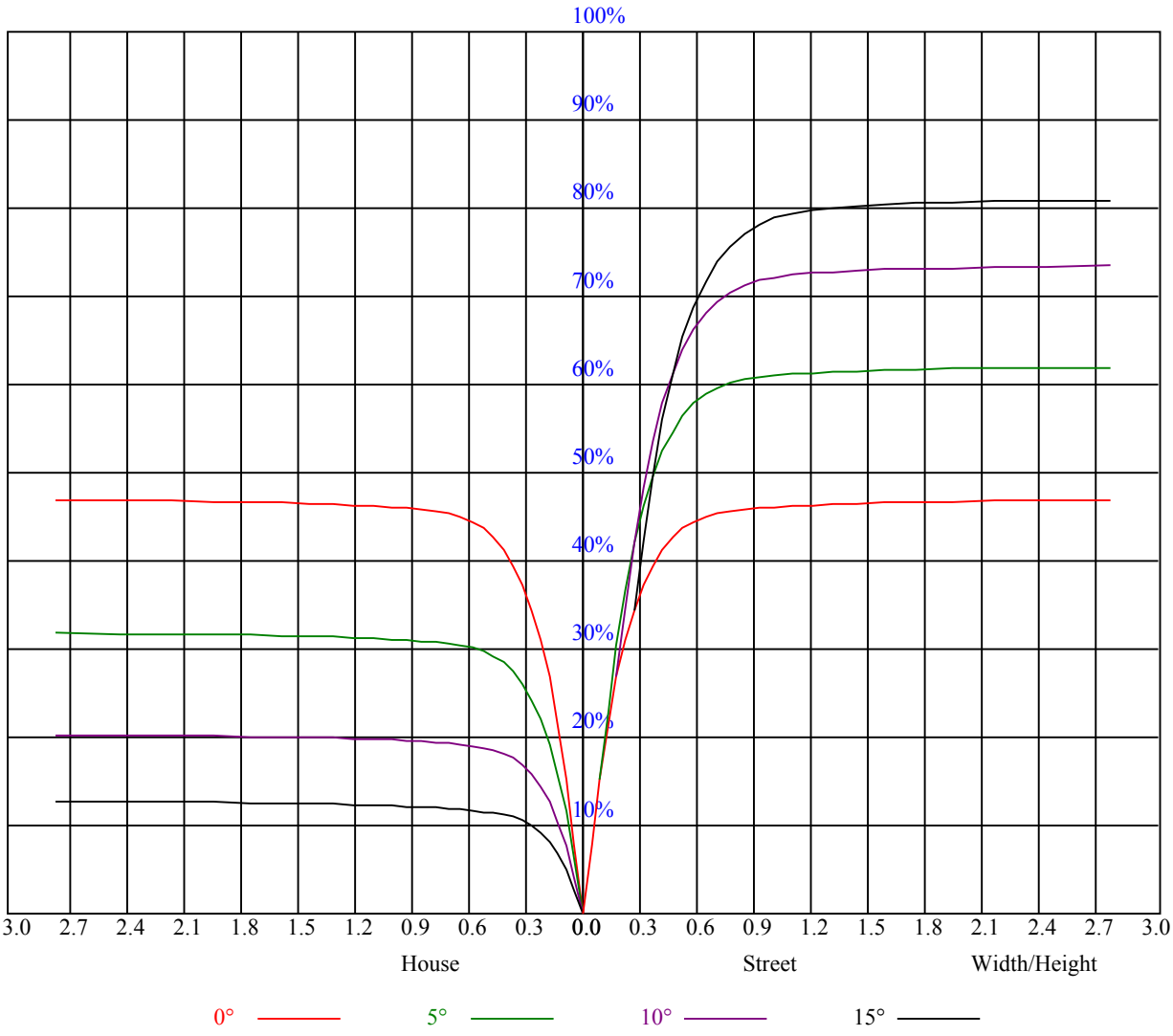


Equipment: GMS1980 Date: 2023/11/17 Operator: NT07
Temperature(°C): 0.0 Humidity(%): 0.0% Distance(m): 7.44

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	1.13	1.13	1.13	1.10	1.10	1.10	1.05	1.05	1.05	1.01	1.01	1.01	0.96	0.96	0.96	0.95
1	1.06	1.04	1.02	1.04	1.02	1.00	1.00	0.98	0.97	0.96	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	0.89	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	0.87	0.85	0.87	0.85	0.83	0.82
4	0.91	0.86	0.83	0.90	0.86	0.83	0.88	0.84	0.82	0.86	0.83	0.81	0.84	0.82	0.80	0.79
5	0.87	0.82	0.79	0.86	0.82	0.79	0.84	0.81	0.78	0.83	0.80	0.77	0.82	0.79	0.77	0.76
6	0.83	0.79	0.76	0.83	0.78	0.75	0.81	0.78	0.75	0.80	0.77	0.74	0.79	0.76	0.74	0.73
7	0.80	0.76	0.73	0.80	0.75	0.72	0.78	0.75	0.72	0.77	0.74	0.72	0.77	0.74	0.71	0.70
8	0.77	0.73	0.70	0.77	0.73	0.70	0.76	0.72	0.69	0.75	0.72	0.69	0.74	0.71	0.69	0.68
9	0.75	0.70	0.67	0.74	0.70	0.67	0.73	0.70	0.67	0.73	0.69	0.67	0.72	0.69	0.67	0.66
10	0.72	0.68	0.65	0.72	0.68	0.65	0.71	0.68	0.65	0.71	0.67	0.65	0.70	0.67	0.65	0.64

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	13949.11	13644.66	13152.02	10891.37	10891.37	10413.12	9473.22	8487.92	7282.32
45.0	14109.63	14010.00	13744.30	13146.48	12487.77	11640.86	10495.04	9542.96	8314.11
90.0	13960.18	13644.66	13030.24	11020.90	11020.90	10543.75	9375.79	8389.39	7426.79
135.0	14120.70	13965.71	13672.34	13174.16	12338.32	11508.01	10600.21	9659.20	8446.96
180.0	13949.11	14109.63	14015.53	13766.44	13284.86	12709.19	11751.57	10899.12	9919.37
225.0	14109.63	14015.53	13683.41	13251.65	12199.93	11046.92	10822.74	9873.42	8873.18
270.0	13960.18	14120.70	14032.14	13771.98	13367.89	12604.01	11829.06	10965.55	9753.30
315.0	14120.70	14059.81	13810.72	13268.26	12139.04	10918.50	10677.71	9671.38	8677.78
360.0	13949.11	13644.66	13152.02	10891.37	10891.37	10413.12	9473.22	8487.92	7282.32

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	6402.75	5627.80	4837.35	4321.46	3806.67	3456.83	3154.60	2878.39	2571.73
45.0	7367.56	6470.84	5695.89	4893.26	4372.93	3930.11	3570.31	3171.76	2900.53
90.0	6523.98	5575.77	4934.77	4403.93	3953.91	3496.13	3184.49	2838.53	2591.66
135.0	7494.88	6609.22	5839.80	5031.64	4494.71	3941.18	3570.31	3254.79	2906.06
180.0	8939.61	7705.22	6780.82	5972.65	5269.66	4572.21	4118.31	3736.37	3398.71
225.0	7877.92	6719.93	5922.84	5101.94	4560.58	4111.67	3640.61	3319.56	3021.75
270.0	8784.62	7821.46	6897.06	5867.48	5197.70	4638.63	4173.66	3697.62	3354.43
315.0	7466.65	6563.28	5770.61	5102.49	4438.81	4005.39	3637.84	3314.57	2955.88
360.0	6402.75	5627.80	4837.35	4321.46	3806.67	3456.83	3154.60	2878.39	2571.73

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2347.55	2143.84	1953.98	1726.48	1570.38	1441.96	1102.70	1102.70	1044.58
45.0	2828.57	2557.34	2160.45	1963.95	1741.98	1585.33	1451.92	1294.72	1173.50
90.0	2364.71	2110.63	1915.79	1739.76	1543.81	1417.61	1091.02	1091.02	1033.06
135.0	2839.64	2839.64	2217.47	1977.23	1790.69	1625.74	1486.80	1330.70	1203.94
180.0	3022.31	2828.57	2828.57	2234.07	2047.53	1862.65	1643.45	1512.81	1357.27
225.0	2761.59	2469.32	2257.32	2053.62	1868.74	1660.05	1521.67	1401.55	1097.50
270.0	2983.56	2800.89	2800.89	2223.55	2029.26	1847.15	1666.14	1505.06	1385.50
315.0	2704.02	2469.88	2201.97	2003.80	1775.74	1616.33	1485.14	1368.34	1094.89
360.0	2347.55	2143.84	1953.98	1726.48	1570.38	1441.96	1102.70	1102.70	1044.58

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	928.50	817.13	682.95	580.27	460.98	372.47	276.44	218.65	185.05
45.0	1050.06	903.92	793.22	686.38	582.32	462.20	374.19	297.25	279.54
90.0	916.38	806.17	700.61	568.15	470.06	379.78	282.19	221.30	183.72
135.0	1082.16	967.58	828.09	722.36	622.17	497.63	407.40	307.21	289.50
180.0	1238.26	1112.05	996.92	859.64	747.27	644.32	542.47	425.12	339.87
225.0	1097.50	1013.08	871.21	762.11	655.61	530.01	434.91	349.00	260.66
270.0	1260.40	1133.64	994.70	881.23	768.31	633.25	532.50	433.97	326.59
315.0	1094.89	978.82	866.06	727.62	619.13	517.33	423.23	320.05	251.03
360.0	928.50	817.13	682.95	580.27	460.98	372.47	276.44	218.65	185.05

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	164.73	143.64	128.81	115.86	104.51	92.00	83.20	75.61	68.97
45.0	210.90	163.18	146.24	131.63	115.63	104.51	92.55	84.19	76.78
90.0	158.15	142.15	127.98	112.81	102.02	92.66	84.36	75.39	69.30
135.0	289.50	169.38	147.02	132.02	118.90	107.33	95.04	86.52	78.99
180.0	283.41	283.41	173.42	154.55	134.62	121.11	108.94	95.93	86.85
225.0	211.89	183.44	162.85	144.36	125.27	112.20	100.91	88.95	80.59
270.0	288.95	288.95	169.33	151.06	135.67	118.68	107.11	97.09	88.34
315.0	200.71	169.22	151.17	135.51	118.51	106.78	96.48	85.30	77.38
360.0	164.73	143.64	128.81	115.86	104.51	92.00	83.20	75.61	68.97

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	61.72	56.79	52.09	48.49	45.28	42.07	39.74	37.81	36.15
45.0	68.80	63.05	58.01	54.14	49.32	46.05	43.45	41.13	38.47
90.0	63.66	58.67	53.69	49.98	46.00	43.40	41.13	38.47	36.75
135.0	72.46	65.15	59.95	54.97	51.09	46.88	44.12	41.68	39.36
180.0	78.99	72.40	65.10	60.17	56.13	52.48	48.21	45.39	42.95
225.0	72.07	66.15	61.06	56.02	52.14	48.71	45.89	42.79	40.46
270.0	79.04	72.85	66.98	61.72	56.68	53.03	49.71	46.22	43.67
315.0	71.13	65.43	59.01	54.97	51.42	48.10	44.62	42.12	39.41
360.0	61.72	56.79	52.09	48.49	45.28	42.07	39.74	37.81	36.15

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	34.37	33.16	31.99	31.16	30.28	29.50	28.89	28.34	27.51
45.0	36.75	35.32	33.71	32.60	31.50	30.78	29.95	29.17	28.51
90.0	35.32	33.99	32.55	31.61	30.94	30.17	29.23	28.62	27.95
135.0	37.20	35.70	34.32	33.10	31.99	31.27	30.39	29.61	28.95
180.0	39.97	38.14	36.48	34.65	33.38	32.38	31.50	30.67	30.00
225.0	38.58	36.92	35.48	33.93	32.94	32.05	31.27	30.56	29.72
270.0	40.68	38.80	37.14	35.70	34.15	33.16	32.33	31.50	30.61
315.0	37.64	35.70	34.37	33.21	32.33	31.27	30.56	29.84	29.23
360.0	34.37	33.16	31.99	31.16	30.28	29.50	28.89	28.34	27.51

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	26.57	25.57	24.63	23.64	22.64	21.81	21.03	20.43	19.71
45.0	27.73	26.74	25.85	24.85	23.80	22.92	21.92	21.09	20.43
90.0	26.96	25.85	24.96	23.75	22.86	21.81	20.98	20.31	19.65
135.0	28.17	27.01	26.13	25.13	23.91	23.03	22.14	21.26	20.31
180.0	29.28	28.45	27.46	26.63	25.68	24.30	23.41	22.31	21.37
225.0	29.01	27.95	26.85	25.79	24.69	23.75	22.64	21.64	20.92
270.0	30.06	29.23	28.12	27.01	26.02	24.85	23.69	22.81	21.70
315.0	28.45	27.51	26.63	25.74	24.36	23.53	22.64	21.59	20.87
360.0	26.57	25.57	24.63	23.64	22.64	21.81	21.03	20.43	19.71

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	19.10	18.65	18.21	17.60	17.10	16.55	16.11	15.61	15.11
45.0	19.71	19.15	18.71	18.10	17.60	17.16	16.61	16.11	15.67
90.0	19.04	18.54	18.10	17.60	17.05	16.66	16.22	15.78	15.22
135.0	19.65	19.04	18.54	17.93	17.49	16.99	16.55	16.05	15.67
180.0	20.59	19.82	19.21	18.65	18.05	17.55	17.10	16.72	16.16
225.0	20.26	19.48	18.93	18.43	17.82	17.33	16.83	16.27	15.83
270.0	20.98	20.31	19.76	19.04	18.54	17.99	17.49	16.88	16.33
315.0	20.04	19.48	18.93	18.38	17.71	17.21	16.72	16.22	15.61
360.0	19.10	18.65	18.21	17.60	17.10	16.55	16.11	15.61	15.11

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	14.72	14.28	14.00	13.62	13.40	13.12	12.95	12.62	12.68
45.0	15.17	14.78	14.34	13.95	13.62	13.34	13.12	12.95	12.45
90.0	14.83	14.39	14.00	13.73	13.40	13.12	12.95	12.73	12.51
135.0	15.17	14.78	14.28	13.95	13.56	13.28	13.06	12.84	12.45
180.0	15.78	15.28	14.83	14.45	14.00	13.67	13.34	13.06	12.84
225.0	15.33	14.89	14.45	14.06	13.73	13.40	13.12	12.90	12.62
270.0	15.83	15.28	14.78	14.39	13.95	13.62	13.34	13.06	13.01
315.0	15.22	14.78	14.34	13.95	13.67	13.40	13.12	12.90	12.79
360.0	14.72	14.28	14.00	13.62	13.40	13.12	12.95	12.62	12.68

Intensity data(cd)

C/γ(°)	90.0
0.0	12.79
45.0	12.79
90.0	12.73
135.0	12.45
180.0	12.45
225.0	12.45
270.0	12.51
315.0	12.51
360.0	12.79