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NT

LumCAT: 2-2641-L
Luminaire: 92.70.412.00
LampCAT: P2141-036-1206-P3090-1
Ballast type: AC

Report No: 20231117-B010	Voltage(V): 35.9100
Test No: 20231117-C010	Current(A): 0.7000
Number of Lamps: 1	Power (W): 25.1370
Lamp flux(lm): 3111.0	PF: 0.0000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 2855.31, Efficiency(%): 91.78% , Luminous Efficacy(lm/W): 113.59
Central intensity(cd): 6152.691, Maximum intensity(cd): 6152.691
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=37.4
[C90/270]Total=37.4
Field angle(10%Imax): [C0/180]Total=65.6
[C90/270]Total=65.6
Maximum s/h(1/2): C0_180=0.61 C90_270=0.61
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(%): 91.78%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 97.883%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	6152.691	0.000	0	0.00%	0.00%
1.0	6137.953	5.881	5.881	0.19%	0.21%
2.0	6096.715	17.560	23.441	0.56%	0.82%
3.0	6035.341	29.016	52.457	0.93%	1.84%
4.0	5958.746	40.148	92.605	1.29%	3.24%
5.0	5852.121	50.810	143.415	1.63%	5.02%
6.0	5736.086	60.899	204.314	1.96%	7.16%
7.0	5596.872	70.343	274.657	2.26%	9.62%
8.0	5432.748	78.937	353.594	2.54%	12.38%
9.0	5261.014	86.667	440.261	2.79%	15.42%
10.0	5065.685	93.453	533.714	3.00%	18.69%
11.0	4860.600	99.184	632.898	3.19%	22.17%
12.0	4646.174	103.923	736.821	3.34%	25.81%
13.0	4425.590	107.659	844.48	3.46%	29.58%
14.0	4214.277	110.590	955.069	3.55%	33.45%
15.0	3975.150	112.428	1067.497	3.61%	37.39%
16.0	3728.549	112.881	1180.378	3.63%	41.34%
17.0	3495.165	112.493	1292.871	3.62%	45.28%
18.0	3252.923	111.261	1404.132	3.58%	49.18%
19.0	3003.348	108.846	1512.978	3.50%	52.99%
20.0	2761.314	105.509	1618.488	3.39%	56.68%
21.0	2532.496	101.652	1720.14	3.27%	60.24%
22.0	2315.649	97.426	1817.565	3.13%	63.66%
23.0	2117.690	93.023	1910.589	2.99%	66.91%
24.0	1938.068	88.673	1999.262	2.85%	70.02%
25.0	1765.434	84.210	2083.472	2.71%	72.97%
26.0	1550.302	78.268	2161.74	2.52%	75.71%
27.0	1405.850	72.323	2234.063	2.32%	78.24%
28.0	1213.005	66.304	2300.367	2.13%	80.56%
29.0	1090.556	60.268	2360.634	1.94%	82.68%
30.0	964.052	55.474	2416.108	1.78%	84.62%
31.0	827.280	49.850	2465.959	1.60%	86.36%
32.0	707.405	43.967	2509.925	1.41%	87.90%
33.0	594.684	38.360	2548.285	1.23%	89.25%
34.0	498.494	33.083	2581.368	1.06%	90.41%
35.0	405.839	28.085	2609.454	0.90%	91.39%
36.0	328.897	23.394	2632.848	0.75%	92.21%
37.0	270.797	19.559	2652.406	0.63%	92.89%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	219.657	16.371	2668.777	0.53%	93.47%
39.0	176.211	13.512	2682.289	0.43%	93.94%
40.0	137.713	10.949	2693.238	0.35%	94.32%
41.0	116.388	9.048	2702.286	0.29%	94.64%
42.0	104.535	8.027	2710.313	0.26%	94.92%
43.0	94.862	7.386	2717.699	0.24%	95.18%
44.0	87.085	6.867	2724.566	0.22%	95.42%
45.0	80.145	6.427	2730.993	0.21%	95.65%
46.0	74.015	6.029	2737.022	0.19%	95.86%
47.0	68.784	5.679	2742.701	0.18%	96.06%
48.0	63.643	5.353	2748.055	0.17%	96.24%
49.0	59.256	5.047	2753.101	0.16%	96.42%
50.0	55.257	4.774	2757.876	0.15%	96.59%
51.0	51.603	4.521	2762.397	0.15%	96.75%
52.0	48.275	4.286	2766.683	0.14%	96.90%
53.0	45.300	4.071	2770.753	0.13%	97.04%
54.0	42.878	3.887	2774.64	0.12%	97.17%
55.0	40.394	3.717	2778.357	0.12%	97.30%
56.0	38.319	3.557	2781.914	0.11%	97.43%
57.0	36.450	3.419	2785.332	0.11%	97.55%
58.0	34.817	3.296	2788.628	0.11%	97.66%
59.0	33.143	3.177	2791.805	0.10%	97.78%
60.0	31.766	3.067	2794.872	0.10%	97.88%
61.0	30.438	2.968	2797.84	0.10%	97.99%
62.0	29.254	2.876	2800.717	0.09%	98.09%
63.0	28.154	2.792	2803.509	0.09%	98.19%
64.0	27.130	2.713	2806.221	0.09%	98.28%
65.0	26.113	2.635	2808.856	0.08%	98.37%
66.0	25.207	2.561	2811.417	0.08%	98.46%
67.0	24.328	2.491	2813.908	0.08%	98.55%
68.0	23.470	2.421	2816.329	0.08%	98.63%
69.0	22.716	2.356	2818.685	0.08%	98.72%
70.0	21.927	2.293	2820.978	0.07%	98.80%
71.0	21.207	2.229	2823.207	0.07%	98.88%
72.0	20.495	2.168	2825.376	0.07%	98.95%
73.0	19.830	2.109	2827.484	0.07%	99.03%
74.0	19.180	2.051	2829.535	0.07%	99.10%
75.0	18.530	1.992	2831.528	0.06%	99.17%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	17.907	1.934	2833.462	0.06%	99.23%
77.0	17.319	1.878	2835.34	0.06%	99.30%
78.0	16.703	1.821	2837.161	0.06%	99.36%
79.0	16.129	1.764	2838.925	0.06%	99.43%
80.0	15.610	1.711	2840.636	0.06%	99.49%
81.0	15.056	1.658	2842.295	0.05%	99.54%
82.0	14.544	1.605	2843.9	0.05%	99.60%
83.0	14.081	1.556	2845.456	0.05%	99.65%
84.0	13.652	1.511	2846.967	0.05%	99.71%
85.0	13.285	1.470	2848.437	0.05%	99.76%
86.0	12.953	1.434	2849.871	0.05%	99.81%
87.0	12.655	1.401	2851.273	0.05%	99.86%
88.0	12.344	1.369	2852.642	0.04%	99.91%
89.0	12.143	1.342	2853.984	0.04%	99.95%
90.0	12.046	1.326	2855.31	0.04%	100.00%

Zonal flux distribution table

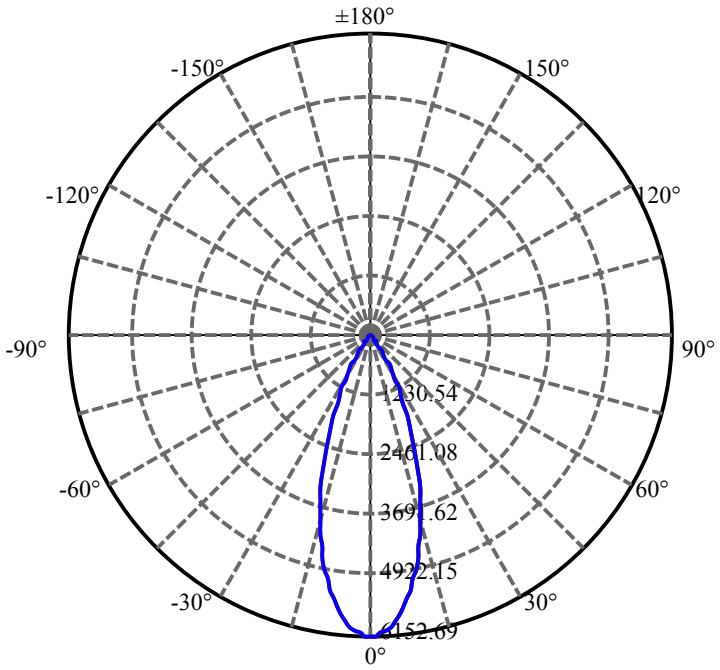
ZONAL LUMEN SUMMARY

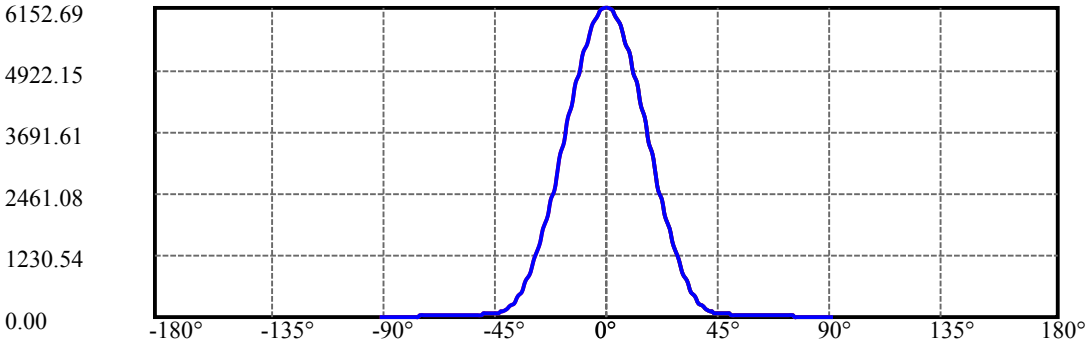
Zone	Lumens	%Lamp	%Fixt
0-30	2416.11	77.66%	84.62%
0-40	2693.24	86.57%	94.32%
0-60	2794.87	89.84%	97.88%
0-90	2853.98	91.74%	99.95%
0-120	2853.98	91.74%	99.95%
0-180	2855.31	91.78%	100.00%
60-90	59.11	1.90%	2.07%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-27.76	2284.25	73.43%	80.00%

ZONAL LUMEN SUMMARY

0-10	533.71
10-20	1084.77
20-30	797.62
30-40	277.13
40-50	64.64
50-60	37.00
60-70	26.11
70-80	19.66
80-90	13.35
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):

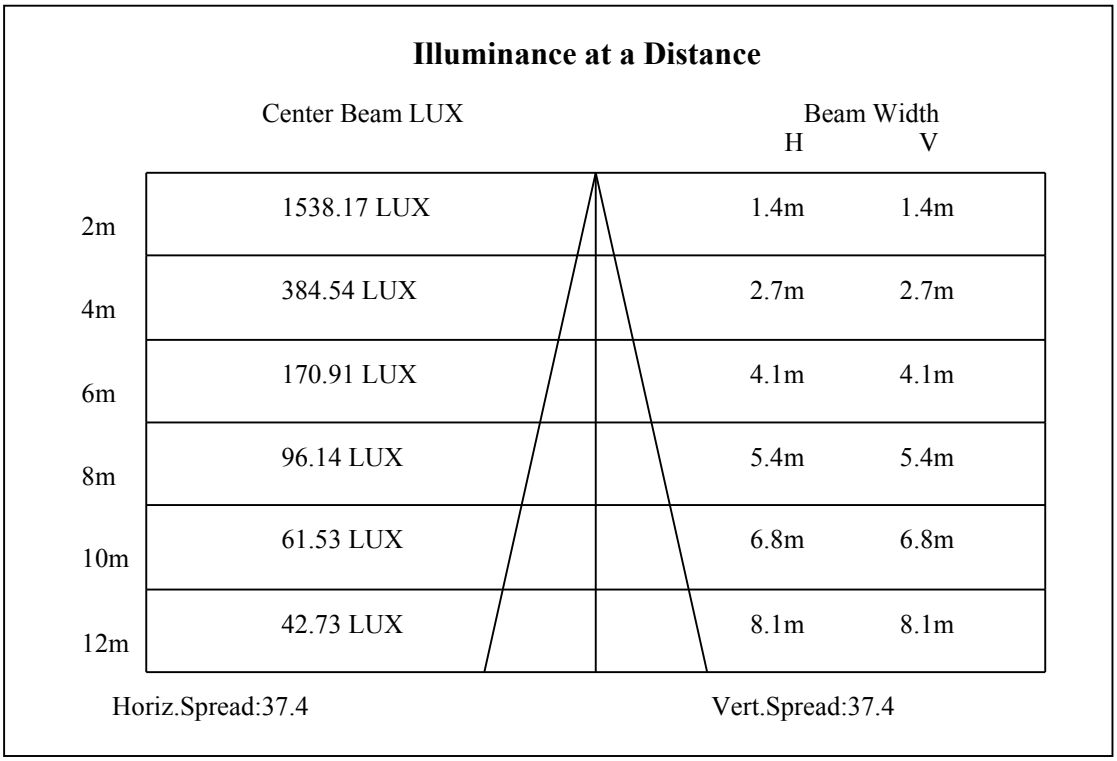
C0/C180:

C90/C270:

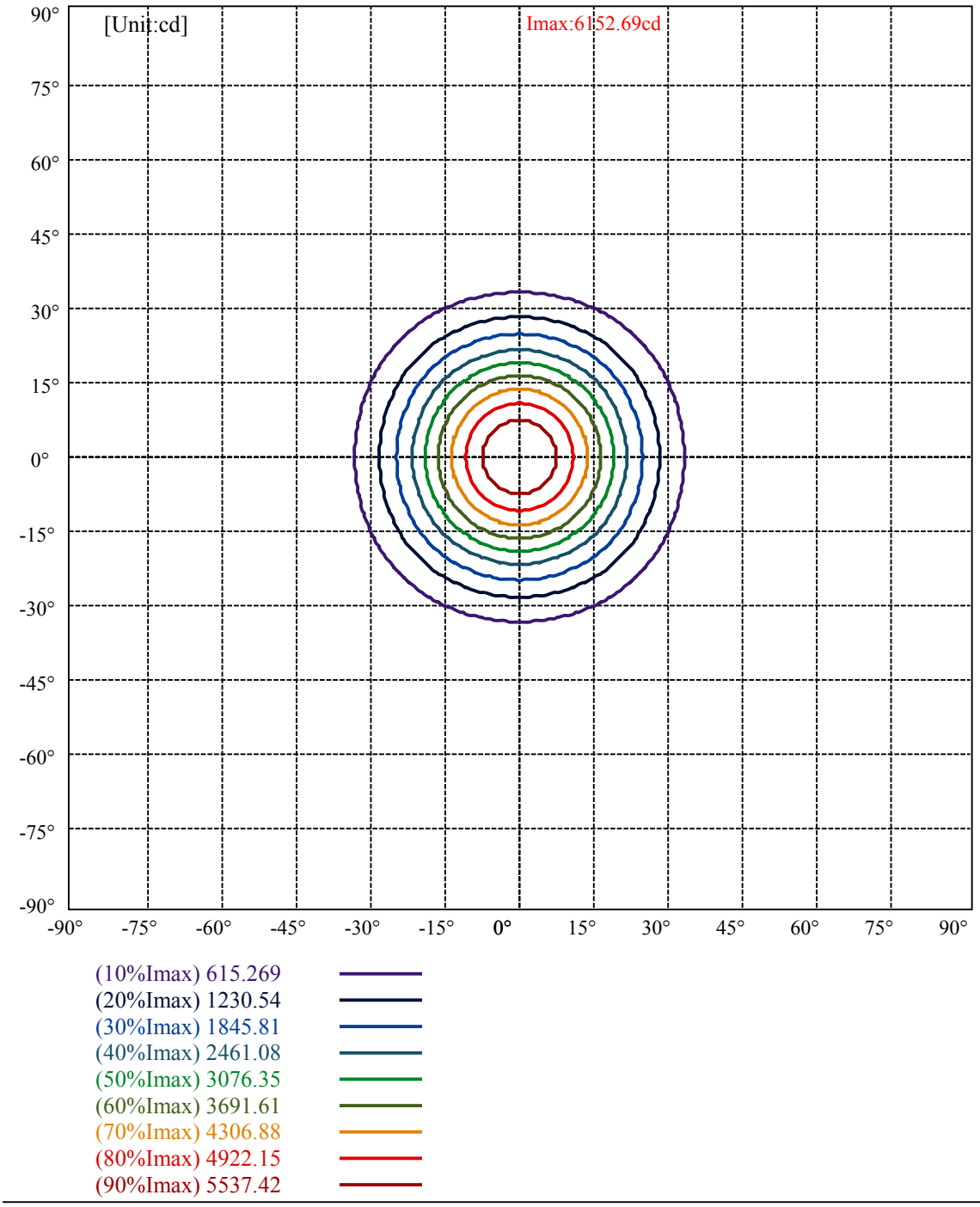
Field angle(10%Imax):C0/180Left:32.8 Right:32.8
:C90/270Left:32.8 Right:32.8

Beam Angle(50%Imax):C0/180Left:18.7 Right:18.7
:C90/270Left:18.7 Right:18.7

Lux distance Curve



ISO-Intensity(V-H)

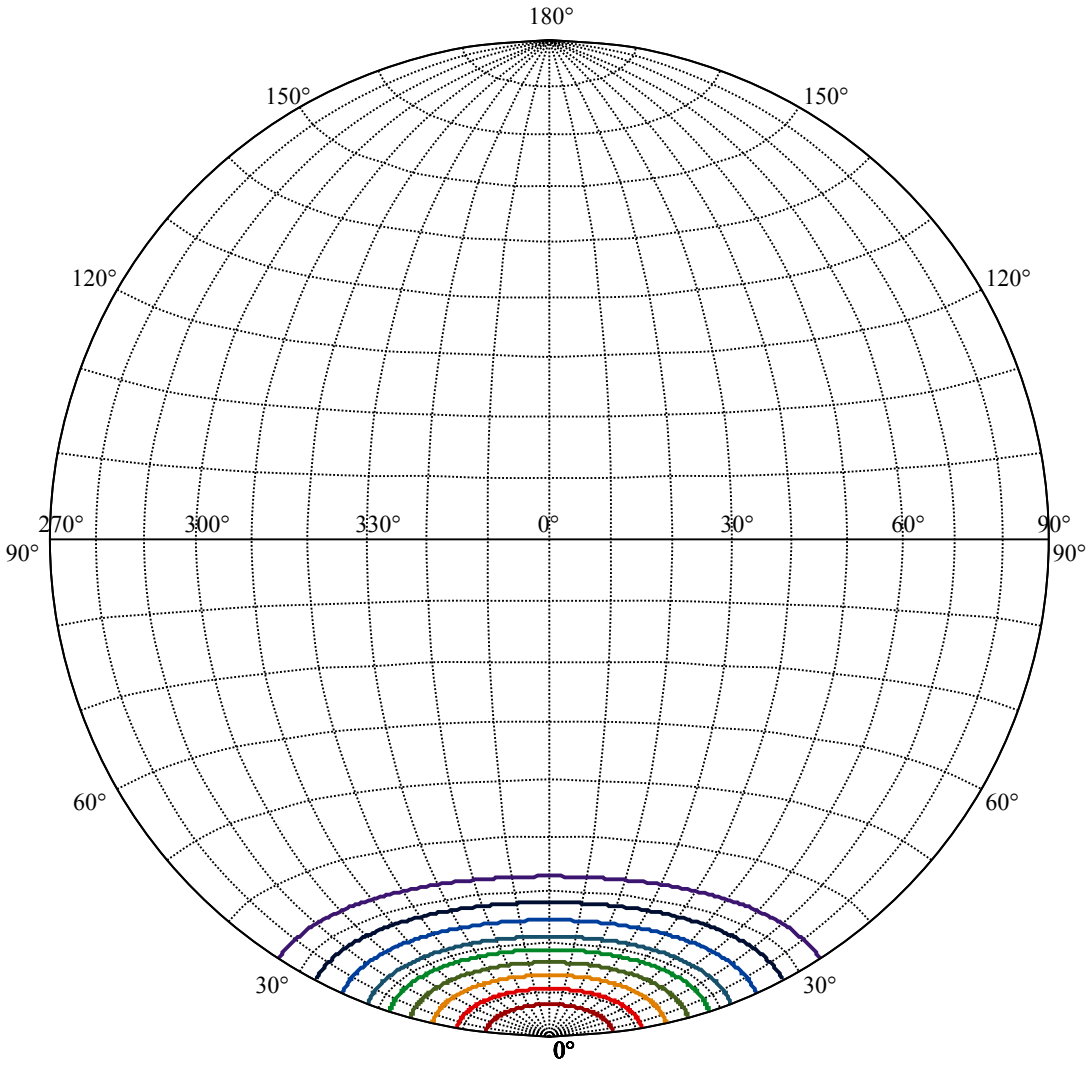


Equipment: GMS1980
Temperature(°C): 0.0

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

Operator: NT07
Distance(m): 7.44

ISO candela diagram on circular web



House [Unit:cd] Road

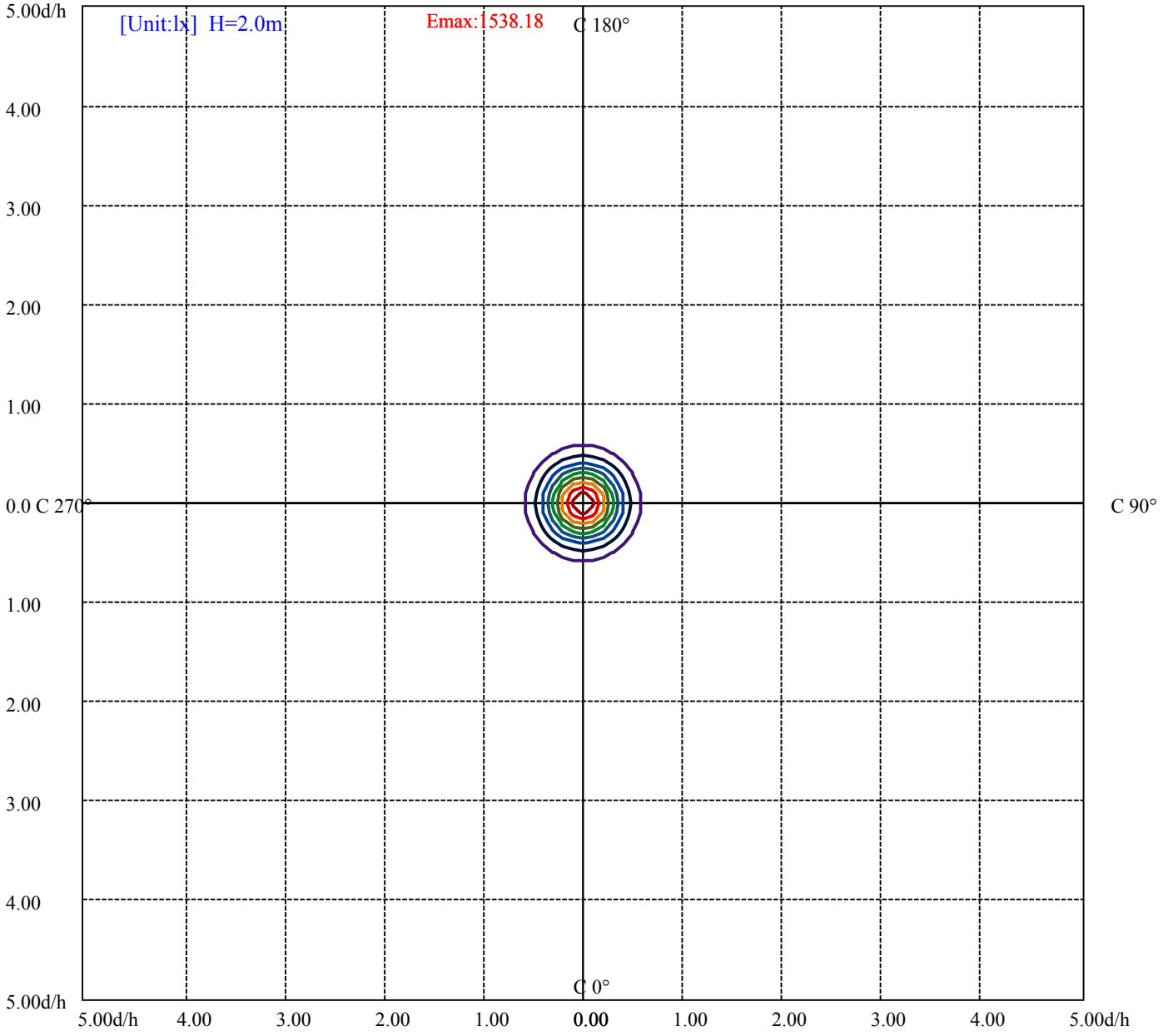
Imax:6152.69

(10%Imax) 615.269
(20%Imax) 1230.54
(30%Imax) 1845.81
(40%Imax) 2461.08
(50%Imax) 3076.35
(60%Imax) 3691.61
(70%Imax) 4306.88
(80%Imax) 4922.15
(90%Imax) 5537.42

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

NT 2-2641-L

ISO illuminance diagram

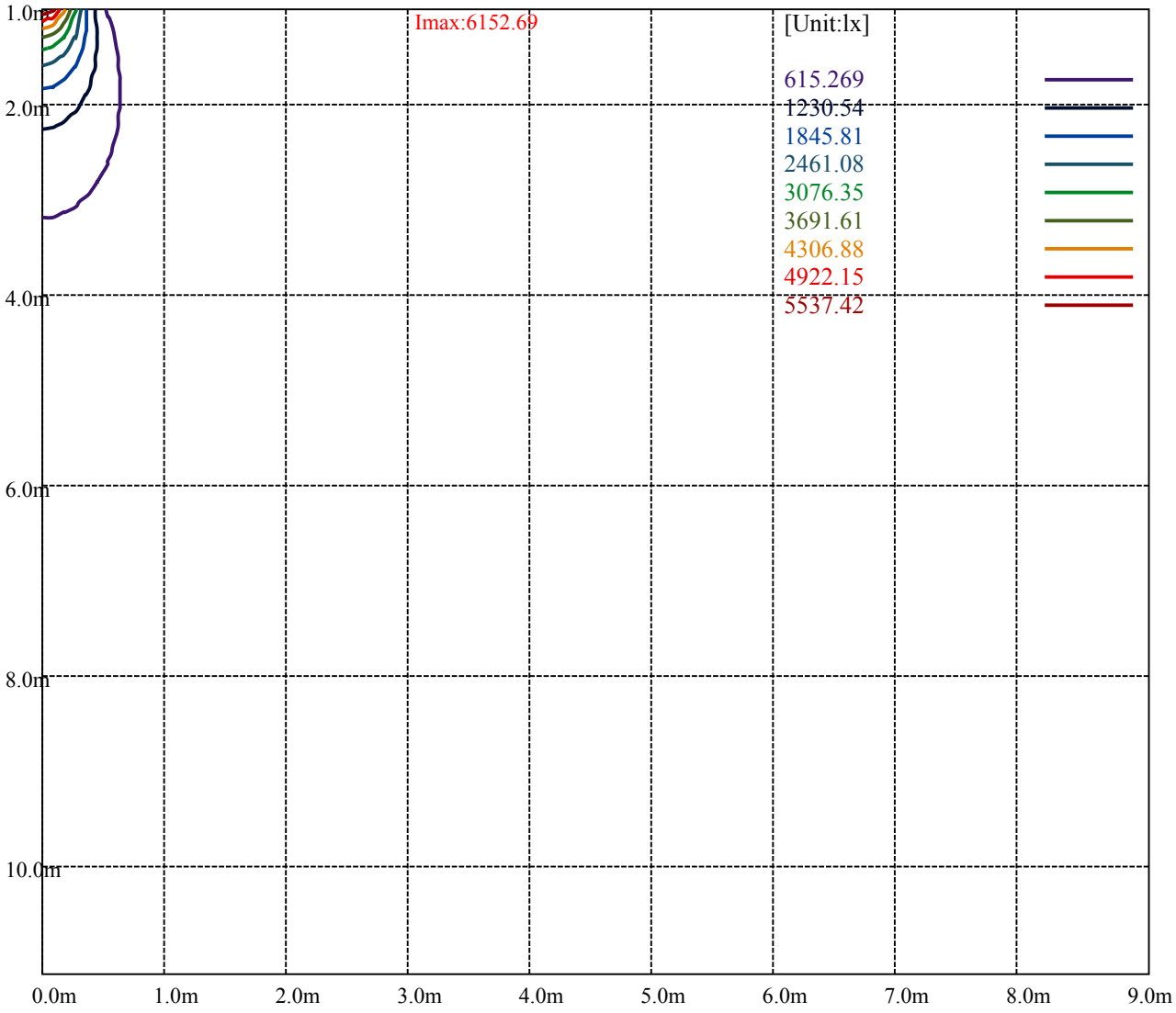


Equipment: GMS1980
Temperature(°C): 0.0

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

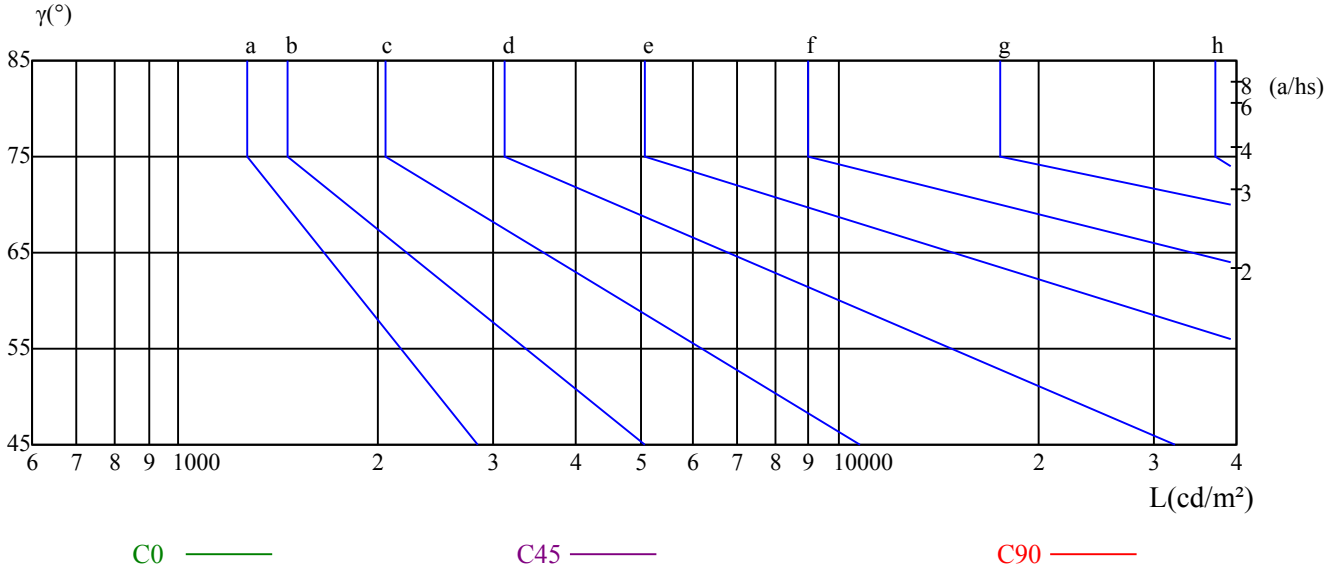
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

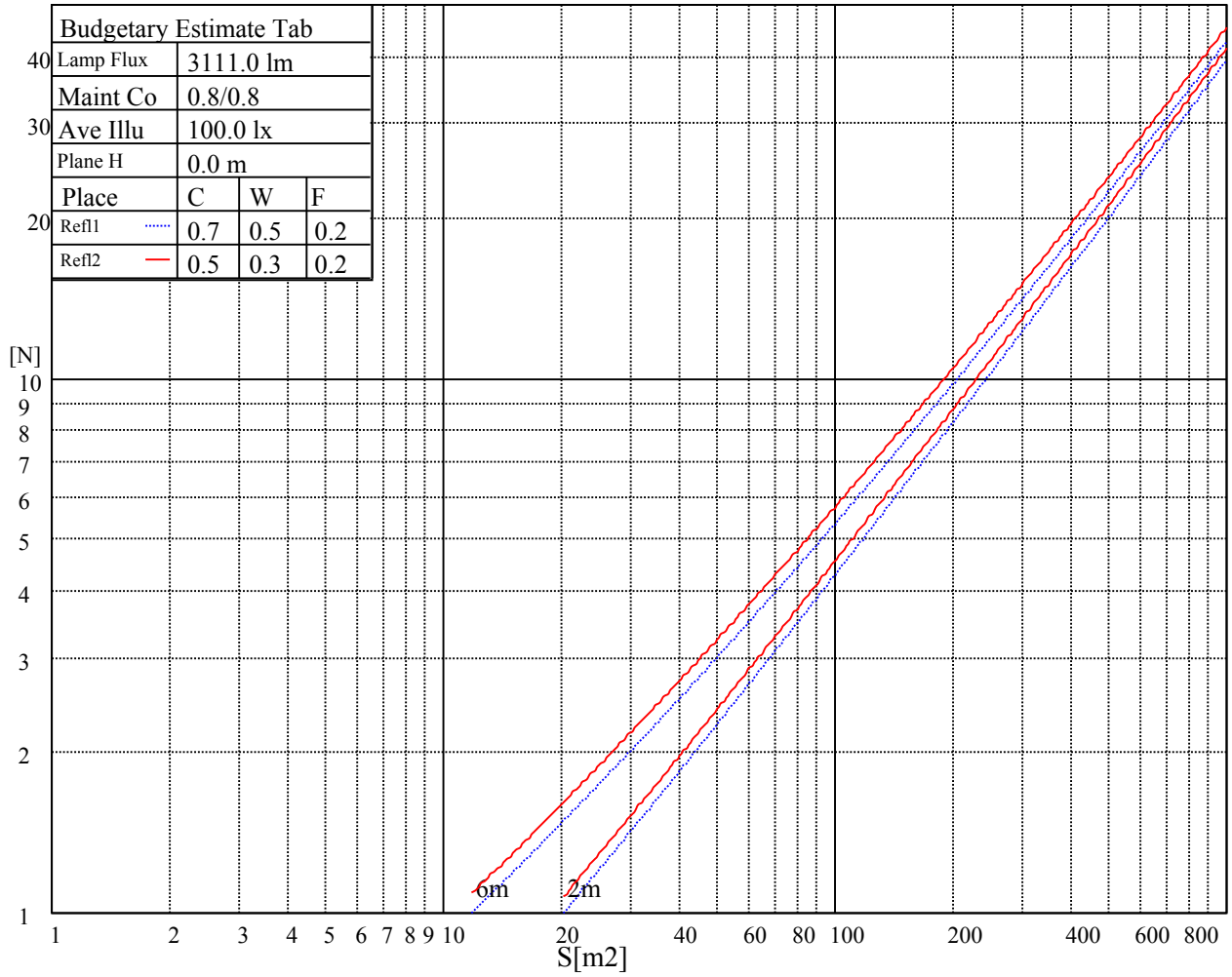
Luminance Limitting Curve



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

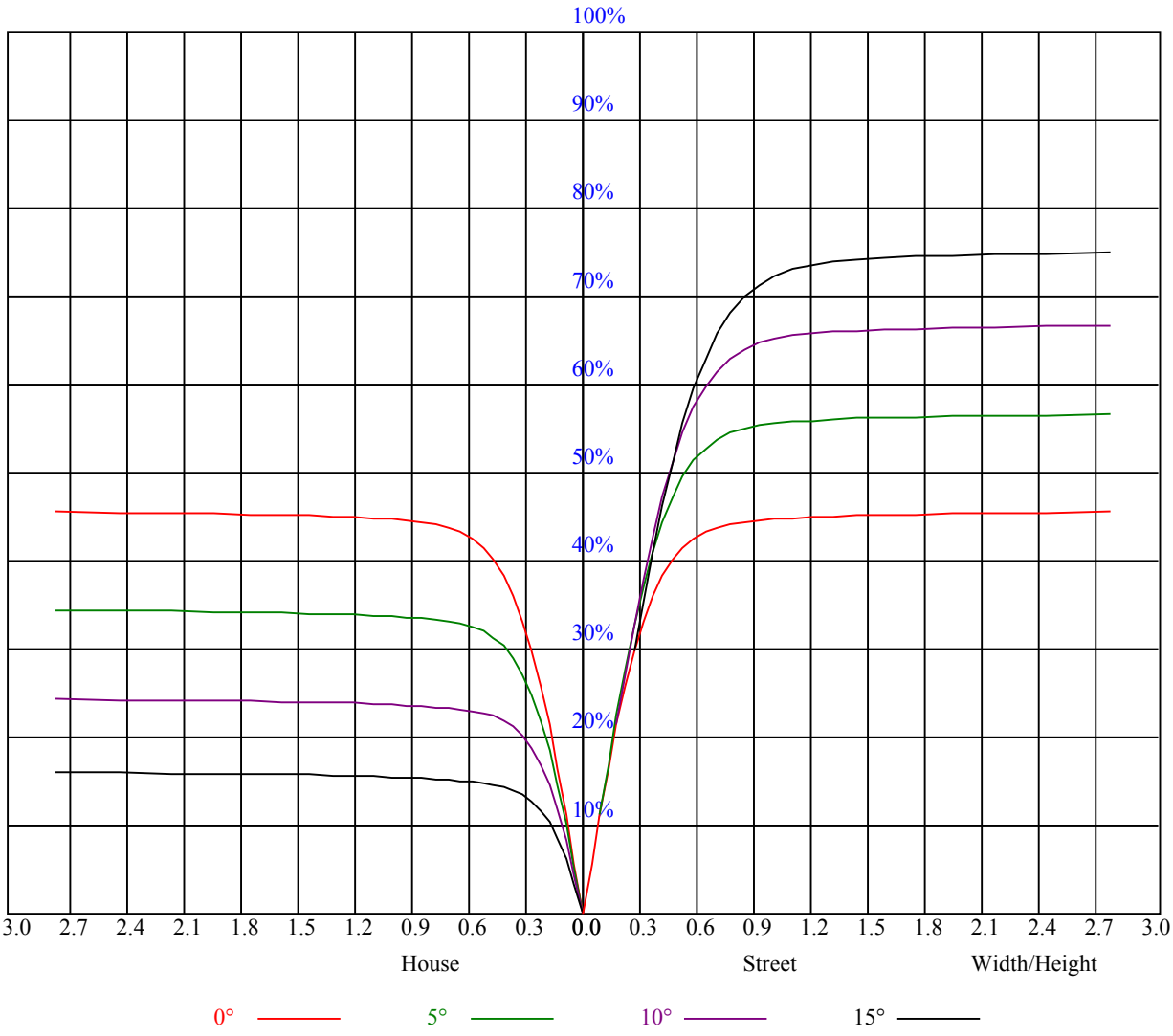


Equipment: GMS1980 Date: 2023/11/17 Operator: NT07
Temperature(°C): 0.0 Humidity(%): 0.0% Distance(m): 7.44

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	1.09	1.09	1.09	1.07	1.07	1.07	1.02	1.02	1.02	0.98	0.98	0.98	0.94	0.94	0.94	0.92
1	1.02	1.00	0.98	1.00	0.98	0.96	0.96	0.95	0.93	0.93	0.92	0.91	0.90	0.89	0.88	0.86
2	0.96	0.92	0.89	0.94	0.91	0.88	0.91	0.89	0.87	0.89	0.87	0.85	0.86	0.84	0.83	0.82
3	0.90	0.86	0.83	0.89	0.85	0.82	0.87	0.84	0.81	0.85	0.82	0.80	0.82	0.80	0.78	0.77
4	0.85	0.81	0.77	0.84	0.80	0.77	0.82	0.79	0.76	0.81	0.78	0.75	0.79	0.76	0.74	0.73
5	0.81	0.76	0.73	0.80	0.76	0.72	0.79	0.75	0.72	0.77	0.74	0.71	0.76	0.73	0.71	0.69
6	0.77	0.72	0.69	0.76	0.72	0.69	0.75	0.71	0.68	0.74	0.70	0.68	0.73	0.70	0.67	0.66
7	0.73	0.69	0.65	0.73	0.68	0.65	0.72	0.68	0.65	0.71	0.67	0.64	0.70	0.67	0.64	0.63
8	0.70	0.65	0.62	0.70	0.65	0.62	0.69	0.65	0.62	0.68	0.64	0.61	0.67	0.64	0.61	0.60
9	0.67	0.62	0.59	0.67	0.62	0.59	0.66	0.62	0.59	0.65	0.61	0.59	0.64	0.61	0.59	0.58
10	0.64	0.60	0.57	0.64	0.60	0.57	0.63	0.59	0.56	0.63	0.59	0.56	0.62	0.59	0.56	0.55

Coefficient Utilization Curve



Equipment: GMS1980
Temperature(°C): 0.0

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

Operator: NT07
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	6118.23	6056.24	5978.74	5888.52	5777.81	5625.59	5486.65	5326.68	5150.10
45.0	6166.94	6133.73	6073.95	5977.64	5881.32	5786.11	5668.76	5498.83	5331.66
90.0	6145.91	6096.09	6009.74	5932.25	5837.04	5684.81	5562.48	5401.96	5190.51
135.0	6179.68	6174.69	6125.98	6069.52	6000.33	5882.43	5776.15	5650.50	5460.08
180.0	6118.23	6152.55	6163.07	6140.37	6103.84	6024.69	5941.66	5833.72	5715.26
225.0	6166.94	6164.18	6150.34	6090.00	6021.92	5939.44	5803.27	5683.71	5529.82
270.0	6145.91	6169.71	6162.52	6140.93	6080.04	6007.53	5923.94	5793.31	5654.37
315.0	6179.68	6156.43	6109.38	6043.51	5967.67	5866.37	5725.78	5586.29	5430.19
360.0	6118.23	6056.24	5978.74	5888.52	5777.81	5625.59	5486.65	5326.68	5150.10

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	4917.61	4721.11	4515.19	4309.83	4039.71	3829.92	3553.15	3321.77	3099.80
45.0	5167.26	4989.57	4751.00	4556.71	4339.17	4080.11	3865.90	3598.54	3361.07
90.0	5007.84	4816.32	4558.92	4359.10	4138.24	3936.19	3661.09	3433.58	3206.08
135.0	5299.00	5120.21	4927.58	4669.08	4468.14	4259.46	4048.56	3769.03	3545.40
180.0	5546.43	5396.98	5217.08	4983.48	4784.77	4583.28	4382.34	4118.31	3894.13
225.0	5369.30	5144.01	4954.15	4770.93	4569.44	4365.74	4103.36	3883.61	3594.66
270.0	5520.41	5310.62	5136.26	4891.04	4693.99	4489.73	4285.48	4025.31	3802.24
315.0	5260.25	5026.66	4824.62	4629.22	4371.27	4169.79	3901.32	3678.25	3457.94
360.0	4917.61	4721.11	4515.19	4309.83	4039.71	3829.92	3553.15	3321.77	3099.80

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2823.03	2605.49	2396.26	2209.16	1996.05	1838.29	1689.95	1532.74	1104.19
45.0	3136.89	2911.05	2640.37	2427.26	2236.84	2063.03	1859.33	1703.78	1535.51
90.0	2980.24	2703.47	2486.48	2291.64	2072.44	1898.07	1705.44	1540.49	1257.63
135.0	3317.34	3032.27	2811.41	2539.62	2342.56	2155.47	1984.43	1787.92	1632.93
180.0	3666.07	3373.25	3142.42	2861.78	2640.37	2420.61	2222.45	2002.69	1841.61
225.0	3358.30	3120.28	2833.55	2603.28	2387.40	2146.61	1974.46	1809.51	1663.93
270.0	3567.54	3338.38	3061.05	2820.82	2585.57	2332.05	2144.95	1973.91	1782.94
315.0	3173.98	2942.60	2718.97	2506.41	2263.96	2087.38	1923.54	1772.42	1583.67
360.0	2823.03	2605.49	2396.26	2209.16	1996.05	1838.29	1689.95	1532.74	1104.19

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1104.19	1035.56	875.25	758.79	626.71	533.00	445.15	349.06	280.86
45.0	1379.97	1179.03	1036.77	909.46	763.33	652.62	531.95	446.15	368.10
90.0	1074.03	1039.93	905.36	784.97	646.97	547.67	456.89	378.56	290.44
135.0	1470.75	1310.77	1125.34	987.51	864.62	720.70	614.42	519.22	412.94
180.0	1692.16	1532.19	1328.49	1173.50	1033.45	902.26	756.13	652.62	534.16
225.0	1464.10	1084.16	1084.16	1016.07	861.91	750.54	643.82	531.12	448.25
270.0	1634.59	1438.09	1284.76	1135.86	998.03	843.04	729.56	624.39	528.07
315.0	1427.02	1084.32	1084.32	946.27	823.22	709.41	579.55	486.83	383.88
360.0	1104.19	1035.56	875.25	758.79	626.71	533.00	445.15	349.06	280.86

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	219.64	170.82	135.34	122.05	110.38	101.35	93.44	84.80	78.71
45.0	296.14	280.09	206.91	137.61	121.94	107.83	99.30	91.67	84.86
90.0	228.61	181.56	146.52	124.49	112.37	102.57	92.44	85.47	77.88
135.0	335.44	284.52	284.52	150.73	129.86	116.69	103.79	95.26	88.01
180.0	447.81	370.32	284.52	284.52	211.01	139.27	119.62	107.88	98.64
225.0	369.60	285.96	223.46	163.85	133.90	118.73	107.11	97.75	88.12
270.0	421.79	344.30	279.54	279.54	154.77	129.75	116.41	102.35	93.88
315.0	312.14	248.81	196.45	146.91	127.48	114.91	104.18	93.71	86.57
360.0	219.64	170.82	135.34	122.05	110.38	101.35	93.44	84.80	78.71

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	73.18	66.81	62.33	57.29	53.80	50.43	46.83	44.17	41.85
45.0	77.61	72.57	66.54	62.22	58.18	53.80	50.48	47.60	44.34
90.0	72.51	67.48	63.05	57.90	54.47	51.15	47.55	44.95	42.57
135.0	80.10	74.51	69.36	63.60	59.23	55.46	52.03	48.21	45.50
180.0	90.84	82.59	76.66	71.35	66.48	61.00	57.01	52.64	49.43
225.0	81.76	76.00	70.85	64.87	60.72	56.79	52.48	49.38	45.94
270.0	84.91	78.77	73.12	68.14	62.49	58.45	54.80	51.48	47.71
315.0	80.26	73.40	68.36	63.77	58.67	54.97	51.64	47.77	45.06
360.0	73.18	66.81	62.33	57.29	53.80	50.43	46.83	44.17	41.85

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	39.74	37.31	35.65	34.10	32.71	31.11	29.95	28.84	27.62
45.0	42.07	39.91	38.03	35.87	34.37	32.94	31.61	30.06	28.95
90.0	40.46	37.97	36.26	34.60	32.82	31.50	30.28	28.95	27.90
135.0	43.01	40.80	38.30	36.53	34.93	33.10	31.72	30.06	28.95
180.0	46.61	43.45	41.18	39.19	37.36	35.32	33.82	32.49	31.16
225.0	43.51	41.24	38.80	37.09	35.43	33.99	32.33	31.05	30.00
270.0	45.06	42.62	40.41	38.03	36.26	34.37	32.94	31.72	30.22
315.0	42.57	39.85	37.92	36.20	34.65	32.82	31.50	30.33	29.23
360.0	39.74	37.31	35.65	34.10	32.71	31.11	29.95	28.84	27.62

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	26.74	25.85	24.80	24.02	23.08	22.36	21.64	20.98	20.37
45.0	27.95	26.79	25.91	25.13	24.13	23.30	22.58	21.64	20.98
90.0	26.96	26.07	25.02	24.19	23.41	22.69	21.75	21.09	20.26
135.0	27.90	26.74	25.79	24.96	24.19	23.25	22.53	21.81	21.15
180.0	29.78	28.67	27.68	26.51	25.68	24.58	23.86	23.08	22.14
225.0	28.89	27.90	26.74	25.79	24.74	23.97	23.25	22.31	21.59
270.0	29.12	28.06	27.12	26.02	25.19	24.36	23.58	22.69	22.03
315.0	27.90	26.96	25.85	25.02	24.19	23.25	22.53	21.81	21.15
360.0	26.74	25.85	24.80	24.02	23.08	22.36	21.64	20.98	20.37

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	19.60	18.99	18.43	17.82	17.16	16.66	16.11	15.50	15.00
45.0	20.37	19.71	18.99	18.38	17.77	17.21	16.50	15.94	15.39
90.0	19.65	19.10	18.32	17.77	17.21	16.66	16.05	15.50	15.00
135.0	20.26	19.65	19.10	18.32	17.82	17.21	16.55	16.05	15.55
180.0	21.48	20.81	20.15	19.32	18.76	18.16	17.55	16.88	16.33
225.0	20.92	20.09	19.48	18.88	18.27	17.55	16.99	16.44	15.94
270.0	21.37	20.54	19.87	19.26	18.49	17.93	17.21	16.72	16.16
315.0	20.31	19.76	19.10	18.49	17.77	17.16	16.66	16.00	15.50
360.0	19.60	18.99	18.43	17.82	17.16	16.66	16.11	15.50	15.00

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	14.45	14.06	13.67	13.34	13.01	12.68	12.40	12.12	12.12
45.0	14.89	14.39	13.89	13.51	13.12	12.84	12.51	12.23	12.01
90.0	14.39	13.89	13.56	13.17	12.84	12.68	12.34	12.01	11.96
135.0	14.95	14.45	13.95	13.51	13.17	12.84	12.57	12.23	12.01
180.0	15.83	15.22	14.72	14.17	13.73	13.34	13.01	12.68	12.40
225.0	15.33	14.78	14.28	13.84	13.51	13.12	12.79	12.51	12.23
270.0	15.67	15.06	14.56	14.06	13.67	13.28	12.95	12.62	12.34
315.0	14.95	14.50	14.00	13.62	13.23	12.84	12.68	12.34	12.07
360.0	14.45	14.06	13.67	13.34	13.01	12.68	12.40	12.12	12.12

Intensity data(cd)

C/γ(°)	90.0
0.0	12.12
45.0	12.01
90.0	12.01
135.0	12.01
180.0	12.12
225.0	12.07
270.0	12.07
315.0	11.96
360.0	12.12