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NATA

LumCAT: 2-2641-L
Luminaire: 92.70.412.00
LampCAT: TRIDONIC SLE G7 15MM
Ballast type: AC

Report No: 20231111-B011	Voltage(V): 34.6100
Test No: 20231011-C011	Current(A): 0.5300
Number of Lamps: 1	Power (W): 18.3430
Lamp flux(lm): 3047.8	PF: 0.0000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 2806.78, Efficiency(%): 92.09% , Luminous Efficacy(lm/W): 153.02
Central intensity(cd): 6225.620, Maximum intensity(cd): 6225.620
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=36.6
[C90/270]Total=36.6
Field angle(10%Imax): [C0/180]Total=65.2
[C90/270]Total=65.2
Maximum s/h(1/2): C0_180=0.60 C90_270=0.60
Maximum s/h(1/4): C0_180=0.61 C90_270=0.61
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 92.09%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 97.928%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	6225.619	0.000	0	0.00%	0.00%
1.0	6214.064	5.952	5.952	0.20%	0.21%
2.0	6170.058	17.775	23.727	0.58%	0.85%
3.0	6107.370	29.364	53.091	0.96%	1.89%
4.0	6016.383	40.582	93.673	1.33%	3.34%
5.0	5911.349	51.312	144.985	1.68%	5.17%
6.0	5784.105	61.463	206.448	2.02%	7.36%
7.0	5638.179	70.898	277.346	2.33%	9.88%
8.0	5458.834	79.419	356.765	2.61%	12.71%
9.0	5273.053	86.976	443.741	2.85%	15.81%
10.0	5064.578	93.552	537.293	3.07%	19.14%
11.0	4857.624	99.143	636.436	3.25%	22.67%
12.0	4631.228	103.727	740.163	3.40%	26.37%
13.0	4397.636	107.150	847.313	3.52%	30.19%
14.0	4163.975	109.588	956.901	3.60%	34.09%
15.0	3937.993	111.227	1068.128	3.65%	38.06%
16.0	3696.098	111.861	1179.989	3.67%	42.04%
17.0	3439.327	111.118	1291.107	3.65%	46.00%
18.0	3196.048	109.403	1400.509	3.59%	49.90%
19.0	2955.744	107.029	1507.538	3.51%	53.71%
20.0	2708.659	103.674	1611.212	3.40%	57.40%
21.0	2471.331	99.466	1710.679	3.26%	60.95%
22.0	2257.320	95.024	1805.703	3.12%	64.33%
23.0	2057.839	90.544	1896.247	2.97%	67.56%
24.0	1876.556	86.020	1982.267	2.82%	70.62%
25.0	1711.187	81.577	2063.844	2.68%	73.53%
26.0	1516.543	76.191	2140.035	2.50%	76.25%
27.0	1330.756	69.660	2209.695	2.29%	78.73%
28.0	1195.742	63.966	2273.66	2.10%	81.01%
29.0	1068.055	59.227	2332.888	1.94%	83.12%
30.0	928.474	53.906	2386.793	1.77%	85.04%
31.0	793.618	47.923	2434.717	1.57%	86.74%
32.0	684.752	42.354	2477.07	1.39%	88.25%
33.0	575.172	37.118	2514.188	1.22%	89.58%
34.0	476.802	31.836	2546.024	1.04%	90.71%
35.0	387.710	26.849	2572.873	0.88%	91.67%
36.0	312.533	22.296	2595.169	0.73%	92.46%
37.0	252.565	18.430	2613.599	0.60%	93.12%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	211.458	15.488	2629.087	0.51%	93.67%
39.0	161.321	12.724	2641.811	0.42%	94.12%
40.0	129.486	10.142	2651.954	0.33%	94.48%
41.0	108.036	8.458	2660.412	0.28%	94.79%
42.0	98.439	7.502	2667.913	0.25%	95.05%
43.0	89.576	6.965	2674.878	0.23%	95.30%
44.0	82.297	6.487	2681.365	0.21%	95.53%
45.0	75.890	6.079	2687.444	0.20%	95.75%
46.0	70.403	5.721	2693.165	0.19%	95.95%
47.0	65.525	5.406	2698.572	0.18%	96.14%
48.0	60.702	5.103	2703.674	0.17%	96.33%
49.0	56.599	4.817	2708.491	0.16%	96.50%
50.0	52.793	4.561	2713.052	0.15%	96.66%
51.0	49.355	4.322	2717.374	0.14%	96.81%
52.0	46.407	4.109	2721.483	0.13%	96.96%
53.0	43.605	3.916	2725.399	0.13%	97.10%
54.0	41.148	3.736	2729.134	0.12%	97.23%
55.0	38.879	3.572	2732.707	0.12%	97.36%
56.0	36.962	3.427	2736.134	0.11%	97.48%
57.0	35.156	3.297	2739.431	0.11%	97.60%
58.0	33.475	3.174	2742.605	0.10%	97.71%
59.0	31.946	3.058	2745.663	0.10%	97.82%
60.0	30.583	2.954	2748.617	0.10%	97.93%
61.0	29.379	2.861	2751.479	0.09%	98.03%
62.0	28.196	2.774	2754.253	0.09%	98.13%
63.0	27.158	2.692	2756.945	0.09%	98.22%
64.0	26.148	2.616	2759.561	0.09%	98.32%
65.0	25.262	2.544	2762.105	0.08%	98.41%
66.0	24.349	2.475	2764.58	0.08%	98.50%
67.0	23.477	2.405	2766.985	0.08%	98.58%
68.0	22.688	2.339	2769.324	0.08%	98.67%
69.0	21.927	2.276	2771.6	0.07%	98.75%
70.0	21.180	2.214	2773.814	0.07%	98.83%
71.0	20.439	2.151	2775.965	0.07%	98.90%
72.0	19.768	2.091	2778.056	0.07%	98.98%
73.0	19.097	2.032	2780.088	0.07%	99.05%
74.0	18.426	1.973	2782.061	0.06%	99.12%
75.0	17.831	1.916	2783.976	0.06%	99.19%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	17.187	1.859	2785.835	0.06%	99.25%
77.0	16.606	1.802	2787.637	0.06%	99.32%
78.0	16.080	1.750	2789.387	0.06%	99.38%
79.0	15.520	1.698	2791.084	0.06%	99.44%
80.0	14.973	1.644	2792.728	0.05%	99.50%
81.0	14.447	1.591	2794.319	0.05%	99.56%
82.0	13.921	1.538	2795.858	0.05%	99.61%
83.0	13.479	1.490	2797.347	0.05%	99.66%
84.0	13.091	1.447	2798.795	0.05%	99.72%
85.0	12.738	1.410	2800.204	0.05%	99.77%
86.0	12.420	1.375	2801.58	0.05%	99.81%
87.0	12.122	1.343	2802.923	0.04%	99.86%
88.0	11.832	1.312	2804.235	0.04%	99.91%
89.0	11.555	1.282	2805.517	0.04%	99.96%
90.0	11.451	1.261	2806.778	0.04%	100.00%

Zonal flux distribution table

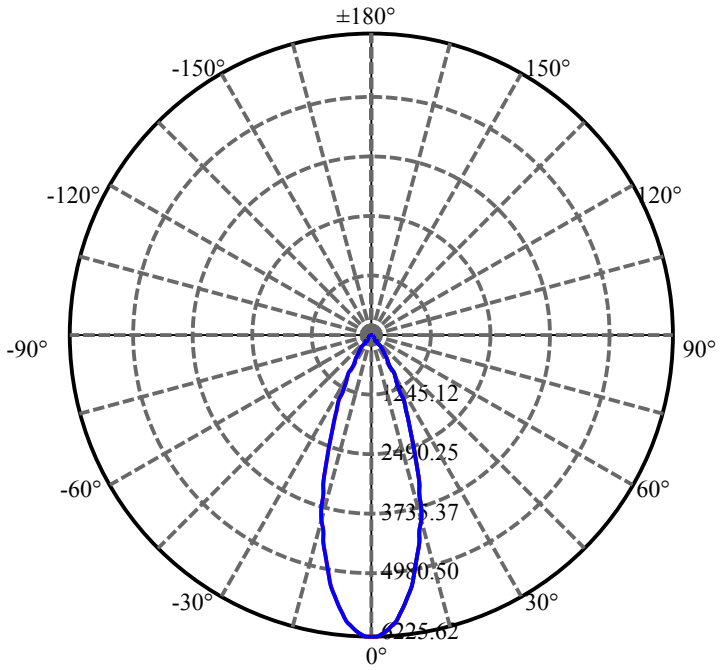
ZONAL LUMEN SUMMARY

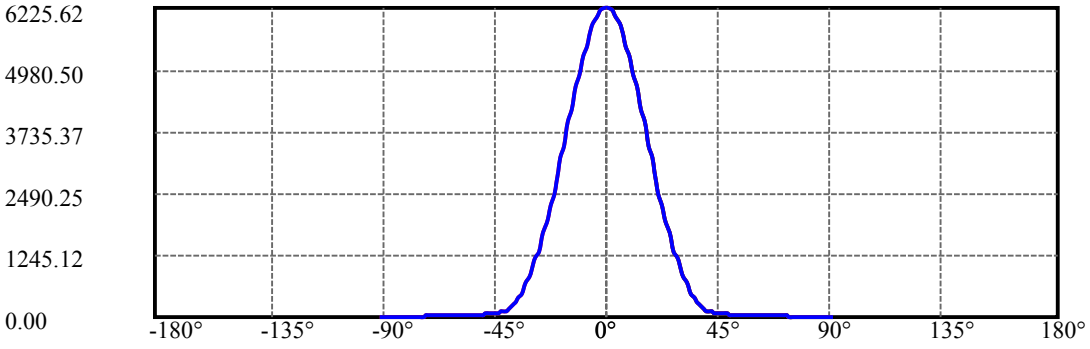
Zone	Lumens	%Lamp	%Fixt
0-30	2386.79	78.31%	85.04%
0-40	2651.95	87.01%	94.48%
0-60	2748.62	90.18%	97.93%
0-90	2805.52	92.05%	99.96%
0-120	2805.52	92.05%	99.96%
0-180	2806.78	92.09%	100.00%
60-90	56.90	1.87%	2.03%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-27.56	2245.42	73.67%	80.00%

ZONAL LUMEN SUMMARY

0-10	537.29
10-20	1073.92
20-30	775.58
30-40	265.16
40-50	61.10
50-60	35.57
60-70	25.20
70-80	18.91
80-90	12.79
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):

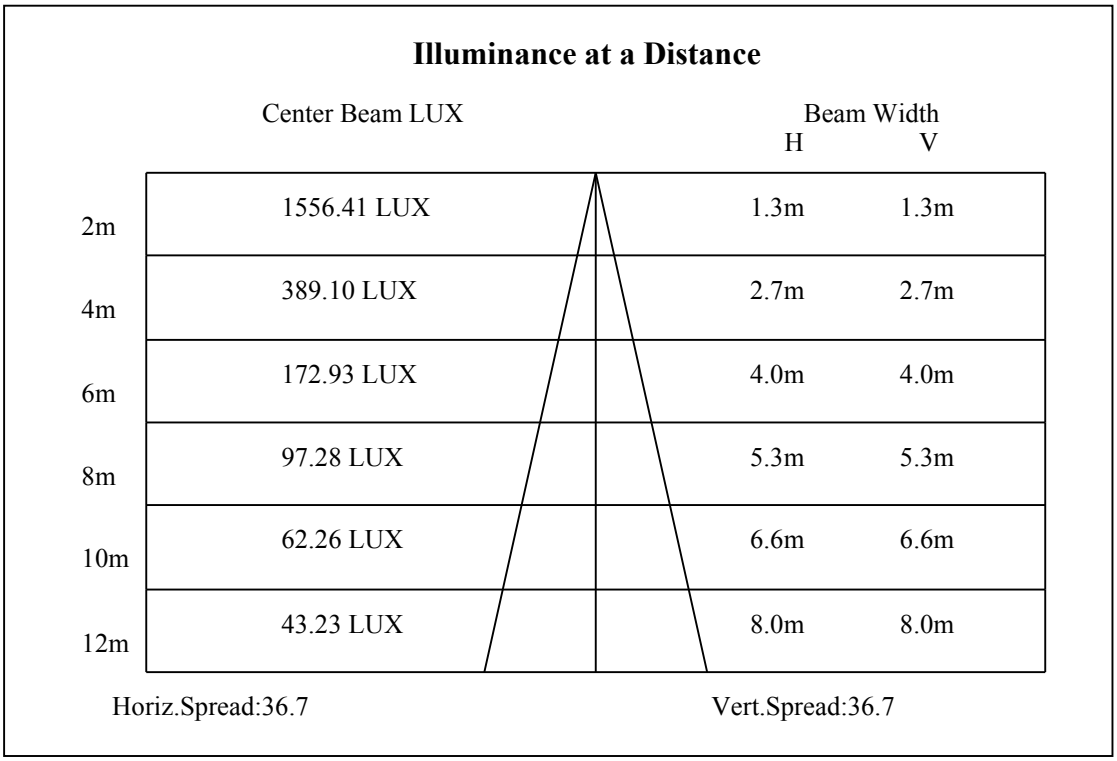
C0/C180:

C90/C270:

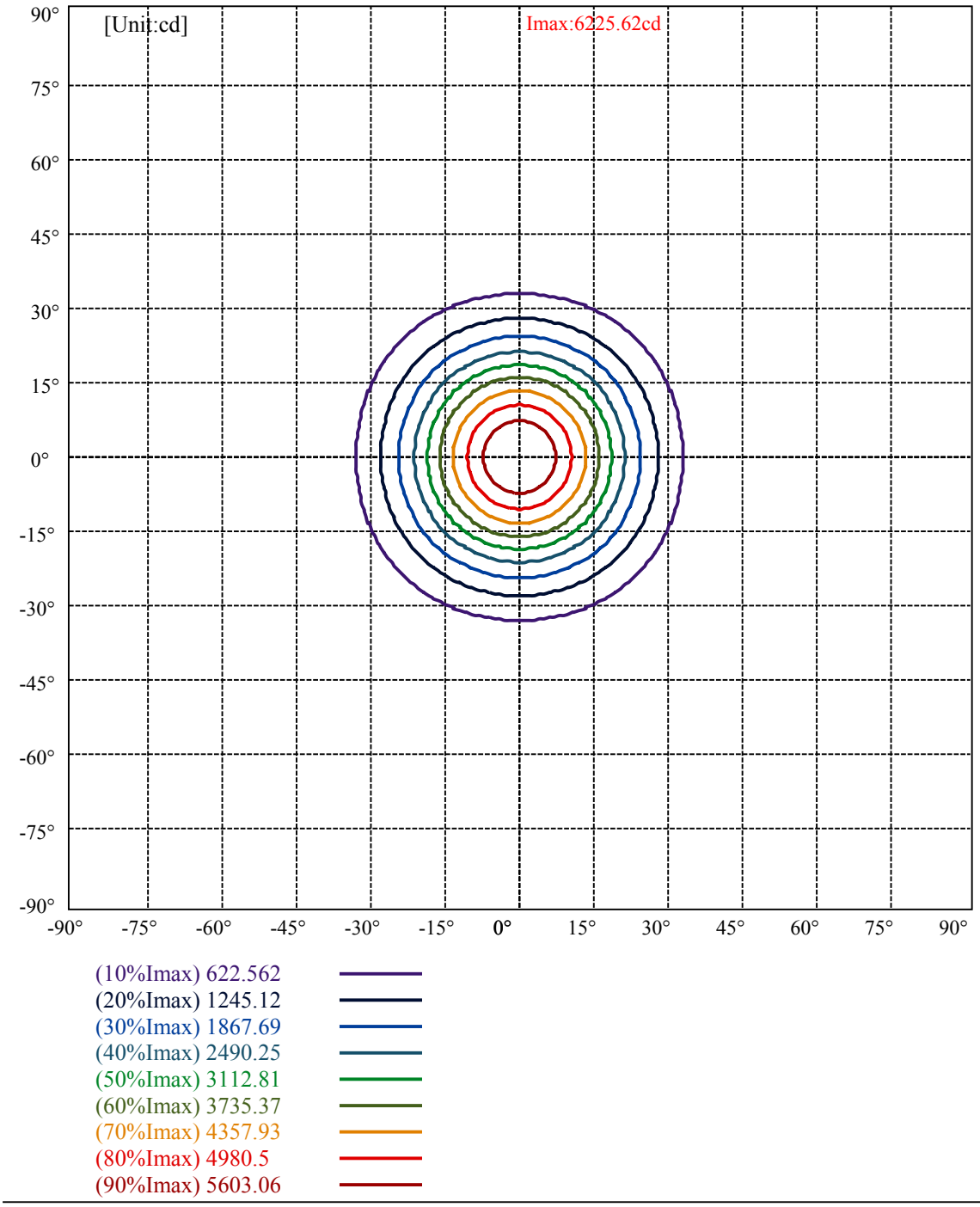
Field angle(10%Imax):C0/180Left:32.6 Right:32.6
:C90/270Left:32.6 Right:32.6

Beam Angle(50%Imax):C0/180Left:18.3 Right:18.3
:C90/270Left:18.3 Right:18.3

Lux distance Curve



ISO-Intensity(V-H)

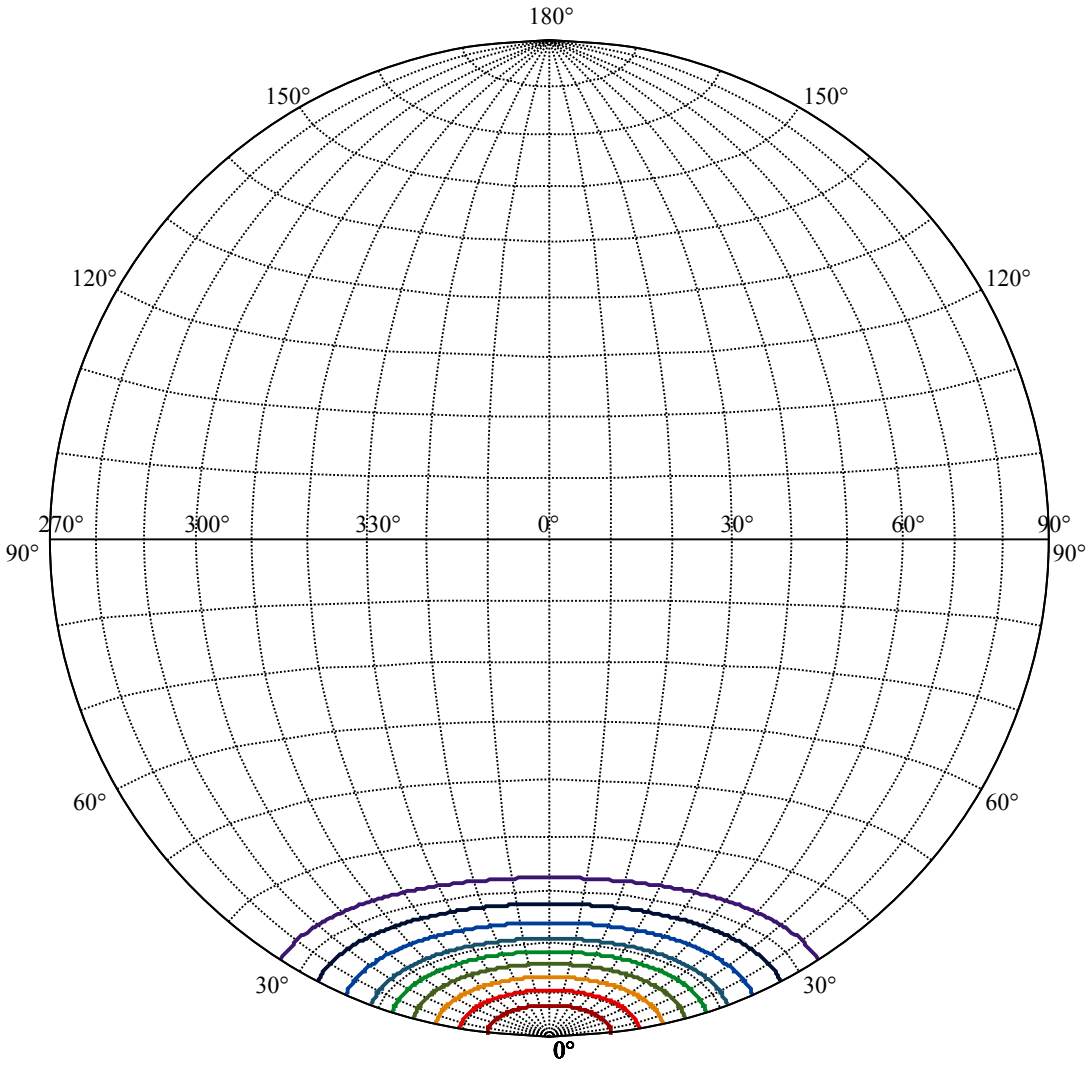


Equipment: GMS1980
Temperature(°C): 0.0

Date: 2023/10/11
Humidity(%): 0.0%

Operator: NT07
Distance(m): 7.44

ISO candela diagram on circular web



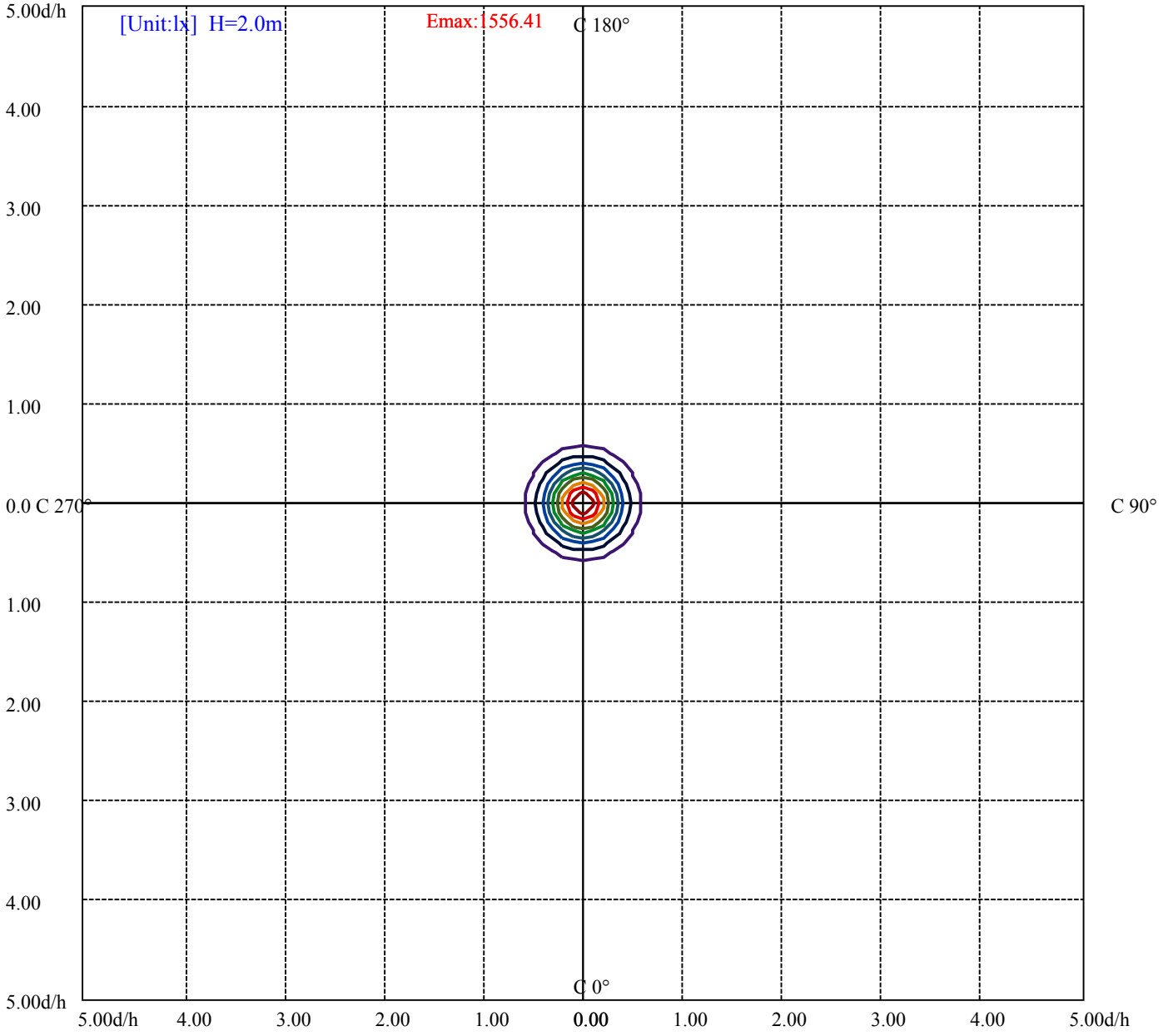
House [Unit:cd] Road

Imax:6225.62

(10%Imax) 622.562
(20%Imax) 1245.12
(30%Imax) 1867.69
(40%Imax) 2490.25
(50%Imax) 3112.81
(60%Imax) 3735.37
(70%Imax) 4357.93
(80%Imax) 4980.5
(90%Imax) 5603.06

Equipment: GMS1980 Date: 2023/10/11 Operator: NT07
Temperature(°C): 0.0 Humidity(%): 0.0% Distance(m): 7.44

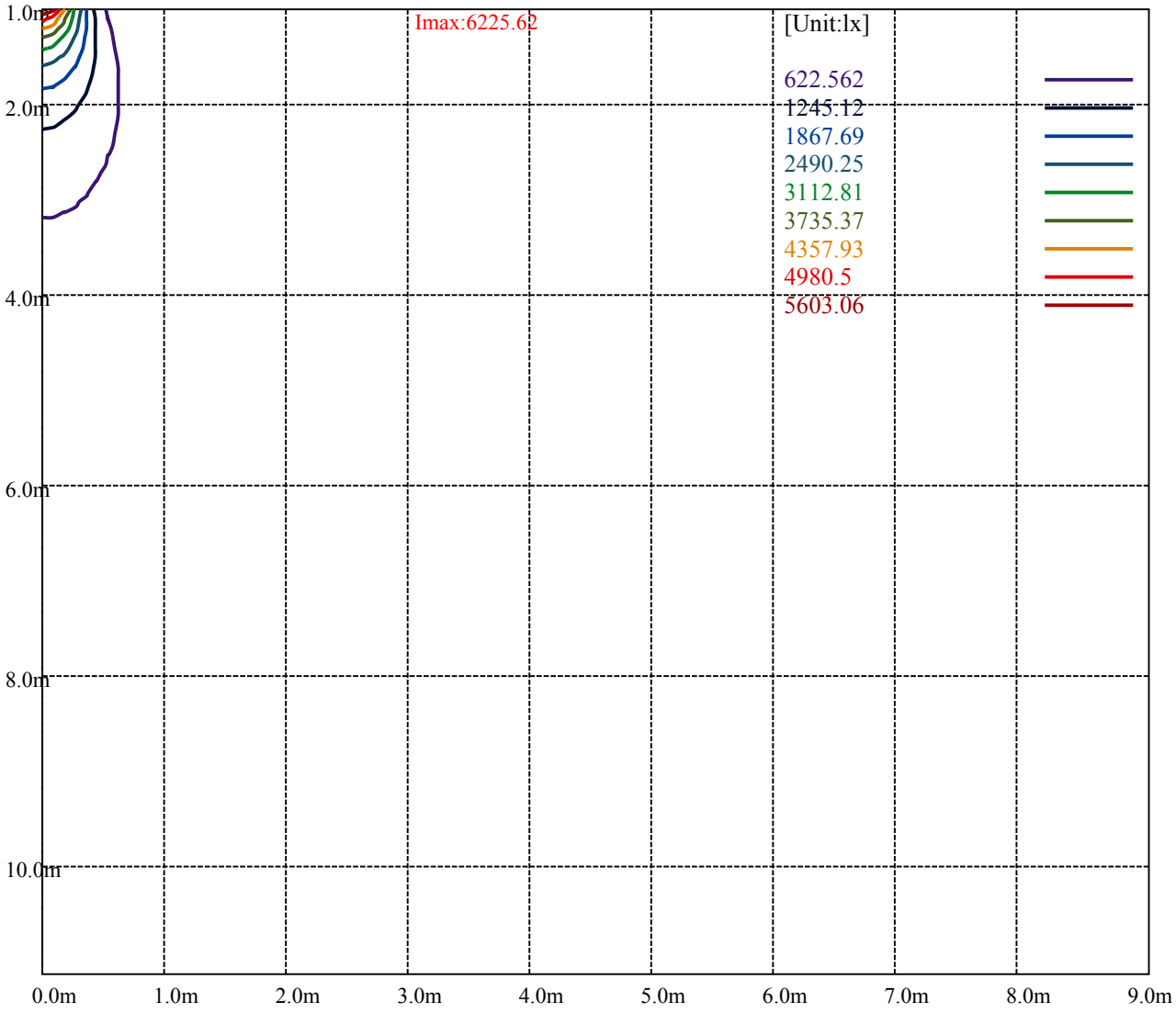
ISO illuminance diagram



(10%Emax) 155.6405
(20%Emax) 311.28
(30%Emax) 466.9225
(40%Emax) 622.5625
(50%Emax) 778.2025
(60%Emax) 933.8425
(70%Emax) 1089.483
(80%Emax) 1245.123
(90%Emax) 1400.765

Equipment: GMS1980
Temperature(°C): 0.0
Date: 2023/10/11
Humidity(%): 0.0%
Operator: NT07
Distance(m): 7.44

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 0.0

Date: 2023/10/11
Humidity(%): 0.0%

Operator: NT07
Distance(m): 7.44

Luminance Limitting Curve(no luminous side)

Luminance Table

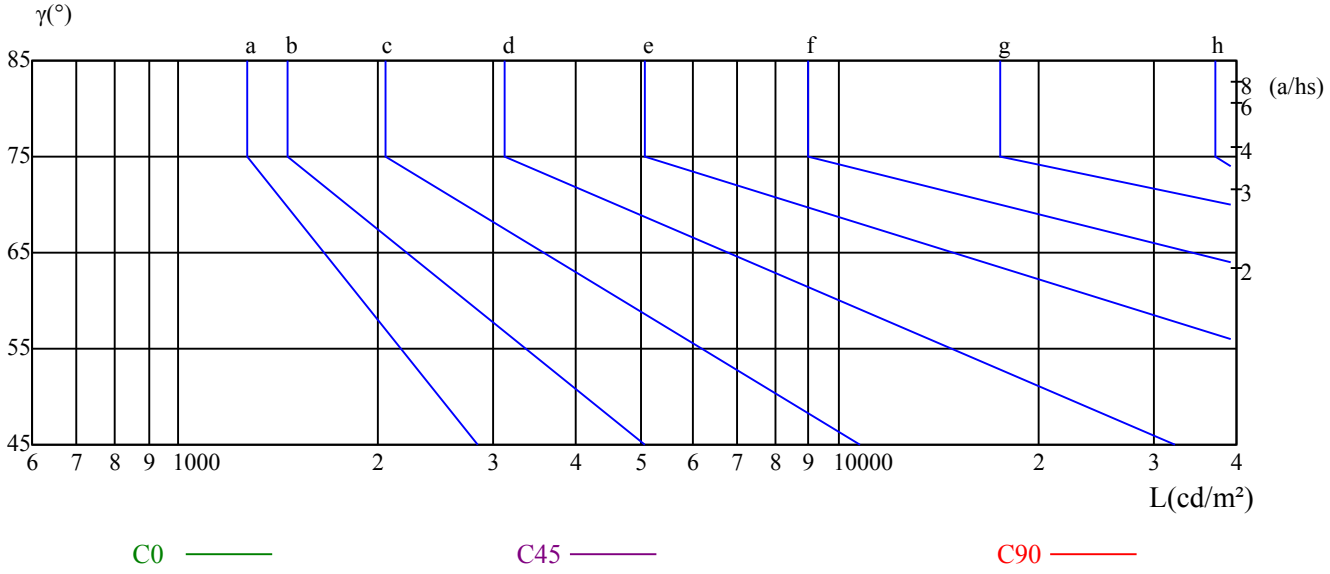
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

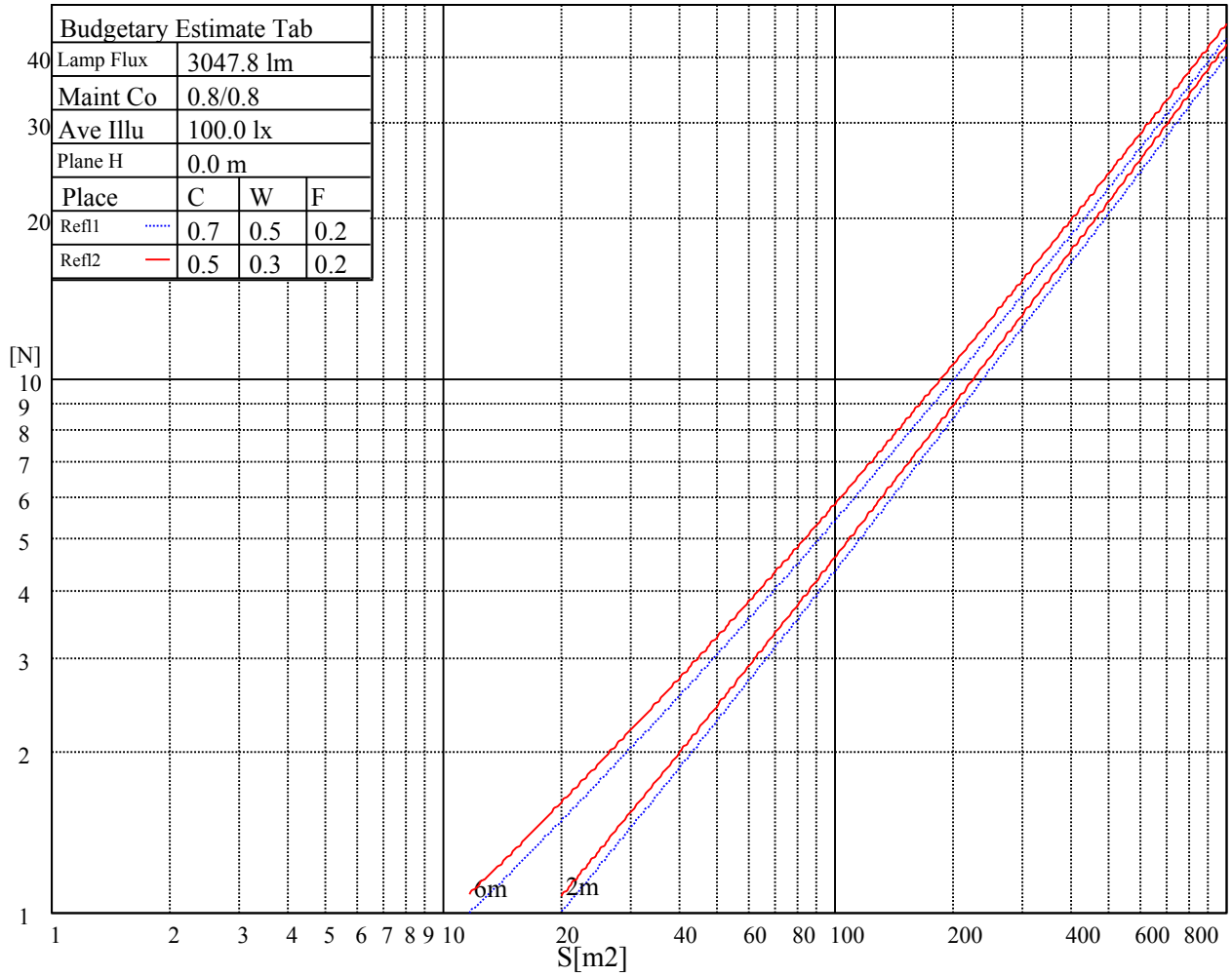
Luminance Limitting Curve



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

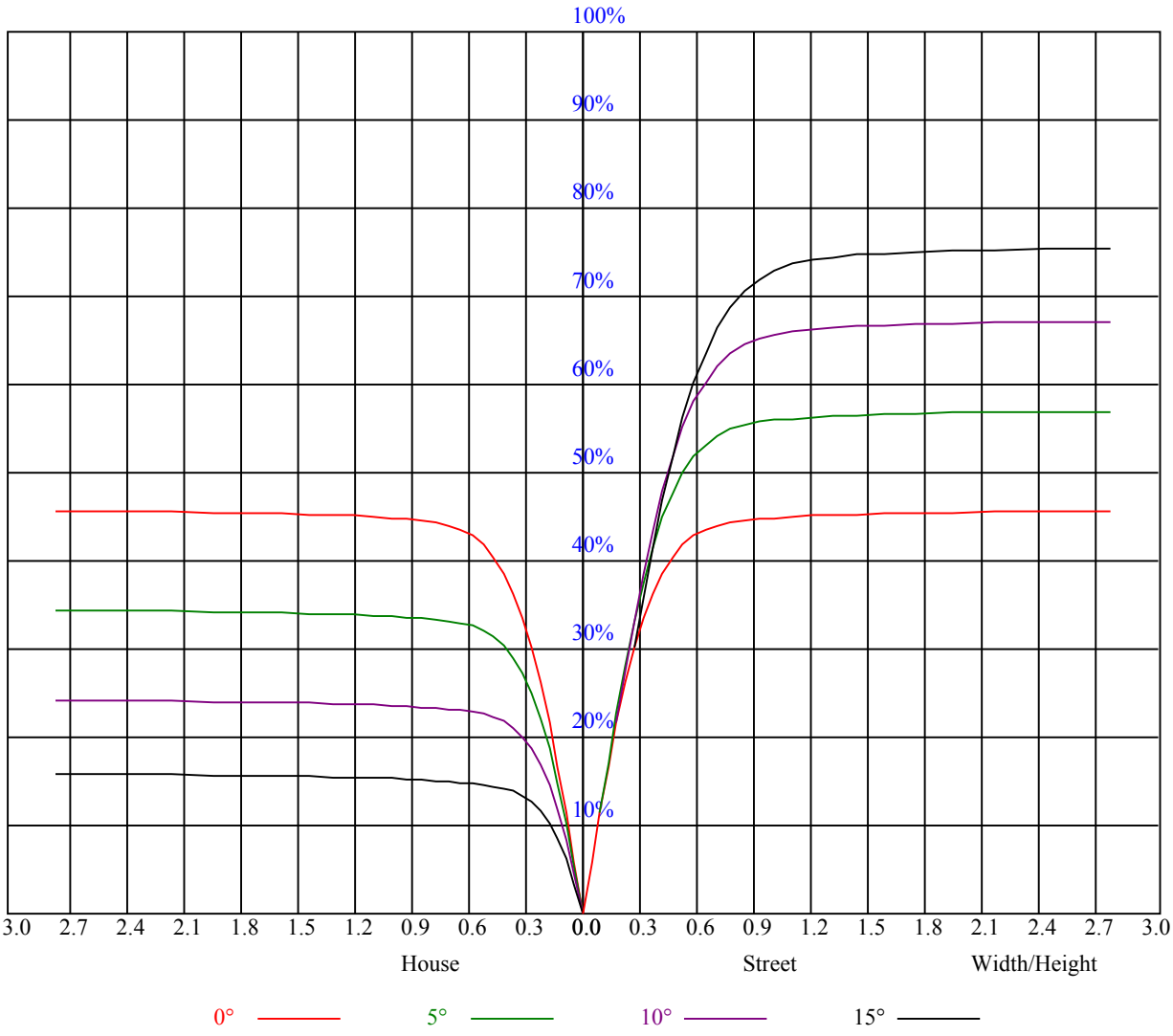
Budgetary Estimate Table



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	1.07	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	0.99	0.97	0.97	0.95	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.87
2	0.96	0.93	0.90	0.95	0.92	0.89	0.92	0.89	0.87	0.89	0.87	0.85	0.86	0.85	0.83	0.82
3	0.91	0.87	0.83	0.89	0.86	0.83	0.87	0.84	0.81	0.85	0.82	0.80	0.83	0.81	0.79	0.78
4	0.86	0.81	0.78	0.85	0.81	0.77	0.83	0.79	0.77	0.81	0.78	0.76	0.79	0.77	0.75	0.74
5	0.82	0.77	0.73	0.81	0.76	0.73	0.79	0.75	0.72	0.78	0.74	0.72	0.76	0.73	0.71	0.70
6	0.78	0.73	0.69	0.77	0.72	0.69	0.76	0.72	0.69	0.74	0.71	0.68	0.73	0.70	0.68	0.67
7	0.74	0.69	0.66	0.73	0.69	0.66	0.72	0.68	0.65	0.71	0.68	0.65	0.70	0.67	0.65	0.63
8	0.71	0.66	0.63	0.70	0.66	0.63	0.69	0.65	0.62	0.68	0.65	0.62	0.68	0.64	0.62	0.61
9	0.68	0.63	0.60	0.67	0.63	0.60	0.66	0.62	0.60	0.66	0.62	0.59	0.65	0.62	0.59	0.58
10	0.65	0.60	0.57	0.65	0.60	0.57	0.64	0.60	0.57	0.63	0.60	0.57	0.63	0.59	0.57	0.56

Coefficient Utilization Curve



Equipment: GMS1980	Date: 2023/10/11	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	6186.32	6136.50	6052.36	5954.94	5816.00	5687.03	5543.11	5368.75	5134.05
45.0	6230.60	6227.28	6152.55	6082.25	5993.13	5856.96	5724.12	5584.62	5386.46
90.0	6235.03	6186.87	6118.23	6027.45	5920.07	5807.15	5642.19	5484.43	5304.54
135.0	6250.53	6238.90	6223.96	6157.53	6075.61	5988.71	5882.43	5723.01	5579.09
180.0	6186.32	6235.58	6230.60	6221.74	6163.07	6097.75	6009.74	5876.34	5750.13
225.0	6230.60	6228.94	6193.51	6138.16	6056.79	5932.25	5813.79	5675.40	5519.31
270.0	6235.03	6240.56	6226.17	6189.64	6110.48	6028.56	5921.73	5803.27	5616.18
315.0	6250.53	6217.87	6163.07	6087.24	5995.90	5892.39	5735.74	5589.61	5380.92
360.0	6186.32	6136.50	6052.36	5954.94	5816.00	5687.03	5543.11	5368.75	5134.05

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	4933.11	4669.08	4456.52	4235.10	3952.25	3735.26	3511.08	3277.49	2991.86
45.0	5205.45	5017.80	4815.21	4559.48	4351.35	4133.25	3917.93	3638.95	3408.67
90.0	5120.76	4866.13	4654.13	4443.23	4224.59	3955.57	3728.62	3502.22	3212.72
135.0	5421.89	5191.61	4997.88	4751.55	4538.44	4314.81	4096.17	3800.58	3571.97
180.0	5575.77	5412.48	5225.93	5030.54	4778.12	4581.62	4365.18	4139.34	3865.34
225.0	5297.89	5104.16	4912.08	4704.50	4442.13	4238.43	3969.41	3739.69	3513.85
270.0	5451.78	5274.64	5080.35	4819.08	4605.97	4336.95	4122.74	3901.88	3614.59
315.0	5177.78	4980.72	4718.89	4506.34	4288.24	4015.90	3792.83	3568.65	3335.61
360.0	4933.11	4669.08	4456.52	4235.10	3952.25	3735.26	3511.08	3277.49	2991.86

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2773.77	2556.23	2346.99	2112.85	1944.57	1787.92	1605.81	1455.25	1069.38
45.0	3181.72	2901.08	2680.22	2415.08	2222.45	2049.19	1882.02	1690.50	1535.51
90.0	2986.33	2760.48	2485.38	2281.68	2101.78	1890.33	1737.55	1593.08	1436.43
135.0	3334.50	3094.27	2813.62	2588.33	2371.35	2180.38	1959.52	1797.33	1616.33
180.0	3645.59	3390.41	3157.37	2868.98	2630.96	2335.92	2152.15	1974.46	1767.44
225.0	3217.70	2978.02	2744.43	2510.84	2250.12	2058.05	1892.54	1735.89	1554.33
270.0	3393.73	3161.80	2865.66	2633.17	2415.08	2209.16	1986.64	1824.45	1678.87
315.0	3035.04	2803.66	2575.60	2359.72	2122.26	1951.77	1796.22	1618.54	1474.07
360.0	2773.77	2556.23	2346.99	2112.85	1944.57	1787.92	1605.81	1455.25	1069.38

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1069.38	967.53	846.52	702.16	596.55	502.78	419.36	322.38	255.51
45.0	1375.54	1216.12	1032.90	896.17	774.40	663.69	538.04	450.58	352.05
90.0	1089.69	1089.69	953.36	828.37	685.94	582.76	487.28	380.06	305.66
135.0	1456.35	1300.26	1119.80	986.95	865.73	750.59	621.07	526.97	438.40
180.0	1614.66	1465.21	1313.54	1130.32	996.36	874.59	761.11	632.69	537.48
225.0	1402.66	1080.89	1080.89	953.85	804.68	698.51	597.32	504.94	398.93
270.0	1535.51	1343.99	1200.07	1060.02	899.50	781.04	645.98	550.77	463.31
315.0	1102.26	1102.26	997.36	869.94	725.80	624.06	531.23	446.04	350.33
360.0	1069.38	967.53	846.52	702.16	596.55	502.78	419.36	322.38	255.51

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	198.77	155.10	122.88	111.98	101.80	91.50	84.36	78.38	71.63
45.0	282.30	282.30	208.57	130.36	117.40	104.23	95.48	87.79	81.37
90.0	226.67	177.24	142.31	121.34	110.15	100.36	92.44	85.19	77.61
135.0	357.58	283.41	283.41	156.15	127.59	115.86	105.23	95.04	87.79
180.0	448.36	350.94	282.30	282.30	206.47	126.59	114.14	100.80	92.83
225.0	322.93	257.73	200.32	144.09	121.34	109.93	99.58	89.51	82.81
270.0	381.94	292.27	292.27	215.77	136.00	113.92	103.23	94.05	86.30
315.0	281.69	221.53	159.58	128.59	115.14	101.91	93.05	85.85	78.05
360.0	198.77	155.10	122.88	111.98	101.80	91.50	84.36	78.38	71.63

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	66.92	61.28	57.51	53.86	50.70	47.00	44.45	42.07	39.97
45.0	74.40	69.41	64.76	60.34	55.63	52.03	48.93	45.45	42.95
90.0	72.13	67.31	62.66	57.57	53.86	49.76	46.77	44.23	41.18
135.0	79.99	74.40	69.30	64.49	59.06	55.19	51.76	48.49	45.11
180.0	85.74	79.65	72.79	68.03	63.49	59.51	54.91	51.64	48.55
225.0	76.83	70.41	65.87	60.50	56.85	53.42	49.54	46.66	44.23
270.0	78.44	72.96	67.97	62.44	58.40	53.91	50.70	47.66	44.28
315.0	72.68	67.81	63.32	58.40	54.80	51.53	47.77	45.06	42.57
360.0	66.92	61.28	57.51	53.86	50.70	47.00	44.45	42.07	39.97

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	37.59	35.81	34.32	32.82	31.22	30.06	28.67	27.68	26.74
45.0	40.68	38.25	36.42	34.82	32.99	31.61	30.39	29.23	27.84
90.0	39.08	37.14	34.98	33.49	32.05	30.78	29.28	28.29	27.23
135.0	42.62	40.41	38.36	36.09	34.49	32.60	31.22	30.00	28.56
180.0	45.28	42.84	40.63	38.25	36.48	34.49	33.05	31.72	30.50
225.0	41.85	39.19	37.36	35.59	34.10	32.33	31.11	29.84	28.45
270.0	41.79	39.58	37.59	35.81	33.88	32.38	31.11	29.61	28.56
315.0	40.30	37.81	36.04	34.37	32.60	31.33	29.84	28.67	27.68
360.0	37.59	35.81	34.32	32.82	31.22	30.06	28.67	27.68	26.74

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	25.68	24.85	24.02	23.25	22.36	21.64	20.92	20.31	19.54
45.0	26.90	26.07	25.19	24.13	23.30	22.64	21.70	20.98	20.15
90.0	26.35	25.24	24.36	23.58	22.58	21.81	20.98	20.26	19.71
135.0	27.46	26.57	25.68	24.58	23.80	23.03	22.25	21.31	20.59
180.0	29.06	27.95	27.07	26.13	25.02	24.19	23.47	22.69	21.75
225.0	27.51	26.51	25.46	24.63	23.80	22.86	22.14	21.48	20.81
270.0	27.57	26.35	25.52	24.47	23.75	23.03	22.31	21.42	20.76
315.0	26.74	25.63	24.80	24.02	23.19	22.31	21.64	20.98	20.20
360.0	25.68	24.85	24.02	23.25	22.36	21.64	20.92	20.31	19.54

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	18.88	18.27	17.55	16.99	16.50	15.78	15.33	14.83	14.23
45.0	19.60	18.93	18.32	17.60	17.10	16.55	16.00	15.39	14.89
90.0	18.93	18.32	17.77	17.27	16.55	16.05	15.61	15.06	14.56
135.0	19.98	19.15	18.54	17.99	17.27	16.77	16.22	15.61	15.17
180.0	21.09	20.26	19.54	18.93	18.16	17.55	16.99	16.44	15.72
225.0	19.98	19.32	18.71	18.10	17.33	16.77	16.27	15.61	15.06
270.0	20.15	19.60	18.76	18.21	17.60	17.05	16.38	15.89	15.28
315.0	19.54	18.93	18.21	17.55	16.99	16.33	15.83	15.33	14.89
360.0	18.88	18.27	17.55	16.99	16.50	15.78	15.33	14.83	14.23

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	13.78	13.28	13.01	12.62	12.40	12.07	11.79	11.46	11.40
45.0	14.34	13.84	13.34	12.95	12.62	12.29	12.07	11.73	11.40
90.0	14.00	13.51	13.17	12.84	12.51	12.18	11.96	11.62	11.40
135.0	14.67	14.00	13.56	13.17	12.84	12.57	12.18	11.96	11.57
180.0	15.22	14.61	14.06	13.62	13.23	12.84	12.45	12.12	11.90
225.0	14.50	14.06	13.56	13.17	12.73	12.40	12.12	11.90	11.57
270.0	14.78	14.28	13.73	13.34	12.90	12.62	12.29	12.01	11.68
315.0	14.28	13.78	13.40	13.01	12.68	12.40	12.12	11.85	11.51
360.0	13.78	13.28	13.01	12.62	12.40	12.07	11.79	11.46	11.40

Intensity data(cd)

C/γ(°)	90.0
0.0	11.40
45.0	11.40
90.0	11.46
135.0	11.51
180.0	11.57
225.0	11.40
270.0	11.40
315.0	11.46
360.0	11.40