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NT

Client:
LumCAT: 2-2644-L
Luminaire: 92.70.412.00
Report No: 20231117-B015
Ballast type: AC
Test No: 20231117-C015
LampCAT: P2141-036-1206-P3090-1
Lamp flux(lm): 3111.0
Number of Lamps: 1
Length(mm): 0
Phm Type: C

Voltage(V): 35.830
Current(A): 0.700
Power (W): 25.081
PF: 0.000
Width(mm): 0
Height(mm): 0

Photometric Results

Lumens(lm): 2808.68, Efficiency(%): 90.28% , Luminous Efficacy(lm/W): 111.98
Central intensity(cd): 9151.888, Maximum intensity(cd): 9151.888
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=26.2
[C90/270]Total=26.2
Field angle(10%Imax): [C0/180]Total=57.4
[C90/270]Total=57.4
Maximum s/h(1/2): C0_180=0.44 C90_270=0.44
Maximum s/h(1/4): C0_180=0.48 C90_270=0.48
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 90.28%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 97.809%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	9151.887	0.000	0	0.00%	0.00%
1.0	9104.353	8.735	8.735	0.28%	0.31%
2.0	8970.397	25.943	34.678	0.83%	1.23%
3.0	8761.575	42.409	77.087	1.36%	2.74%
4.0	8464.673	57.662	134.749	1.85%	4.80%
5.0	8148.811	71.470	206.219	2.30%	7.34%
6.0	7790.466	83.765	289.984	2.69%	10.32%
7.0	7375.590	94.135	384.12	3.03%	13.68%
8.0	6938.505	102.443	486.563	3.29%	17.32%
9.0	6483.360	108.777	595.34	3.50%	21.20%
10.0	6005.727	113.022	708.361	3.63%	25.22%
11.0	5517.716	115.143	823.504	3.70%	29.32%
12.0	5059.111	115.620	939.124	3.72%	33.44%
13.0	4621.403	114.883	1054.007	3.69%	37.53%
14.0	4211.164	113.056	1167.063	3.63%	41.55%
15.0	3869.009	110.928	1277.992	3.57%	45.50%
16.0	3514.331	108.187	1386.178	3.48%	49.35%
17.0	3209.056	104.701	1490.879	3.37%	53.08%
18.0	2915.958	100.988	1591.868	3.25%	56.68%
19.0	2675.101	97.273	1689.141	3.13%	60.14%
20.0	2423.242	93.314	1782.454	3.00%	63.46%
21.0	2194.909	88.678	1871.132	2.85%	66.62%
22.0	1998.957	84.277	1955.41	2.71%	69.62%
23.0	1799.338	79.698	2035.108	2.56%	72.46%
24.0	1608.645	74.511	2109.619	2.40%	75.11%
25.0	1421.785	68.905	2178.524	2.21%	77.56%
26.0	1256.215	63.214	2241.739	2.03%	79.81%
27.0	1128.162	58.334	2300.073	1.88%	81.89%
28.0	1005.131	54.010	2354.084	1.74%	83.81%
29.0	870.982	49.084	2403.168	1.58%	85.56%
30.0	740.624	43.513	2446.681	1.40%	87.11%
31.0	630.962	38.169	2484.85	1.23%	88.47%
32.0	535.463	33.417	2518.267	1.07%	89.66%
33.0	444.206	28.861	2547.128	0.93%	90.69%
34.0	370.696	24.661	2571.79	0.79%	91.57%
35.0	304.770	20.977	2592.767	0.67%	92.31%
36.0	262.597	18.065	2610.832	0.58%	92.96%
37.0	212.323	15.489	2626.322	0.50%	93.51%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	185.462	13.278	2639.599	0.43%	93.98%
39.0	140.460	11.125	2650.724	0.36%	94.38%
40.0	118.208	9.021	2659.745	0.29%	94.70%
41.0	101.186	7.813	2667.558	0.25%	94.98%
42.0	88.587	6.895	2674.452	0.22%	95.22%
43.0	78.540	6.191	2680.643	0.20%	95.44%
44.0	70.652	5.631	2686.274	0.18%	95.64%
45.0	64.584	5.197	2691.471	0.17%	95.83%
46.0	59.623	4.857	2696.329	0.16%	96.00%
47.0	54.918	4.556	2700.884	0.15%	96.16%
48.0	51.437	4.299	2705.184	0.14%	96.32%
49.0	48.338	4.097	2709.281	0.13%	96.46%
50.0	45.653	3.919	2713.2	0.13%	96.60%
51.0	43.397	3.768	2716.968	0.12%	96.73%
52.0	41.605	3.648	2720.615	0.12%	96.86%
53.0	40.021	3.551	2724.166	0.11%	96.99%
54.0	38.692	3.469	2727.635	0.11%	97.11%
55.0	37.530	3.402	2731.038	0.11%	97.24%
56.0	36.374	3.340	2734.377	0.11%	97.35%
57.0	35.364	3.280	2737.657	0.11%	97.47%
58.0	34.333	3.223	2740.88	0.10%	97.59%
59.0	33.254	3.160	2744.04	0.10%	97.70%
60.0	32.140	3.089	2747.129	0.10%	97.81%
61.0	30.998	3.013	2750.142	0.10%	97.92%
62.0	29.905	2.935	2753.077	0.09%	98.02%
63.0	28.818	2.856	2755.933	0.09%	98.12%
64.0	27.801	2.778	2758.711	0.09%	98.22%
65.0	26.909	2.708	2761.419	0.09%	98.32%
66.0	25.961	2.638	2764.057	0.08%	98.41%
67.0	25.034	2.564	2766.621	0.08%	98.50%
68.0	24.079	2.488	2769.109	0.08%	98.59%
69.0	23.221	2.413	2771.522	0.08%	98.68%
70.0	22.280	2.337	2773.859	0.08%	98.76%
71.0	21.505	2.263	2776.122	0.07%	98.84%
72.0	20.702	2.195	2778.316	0.07%	98.92%
73.0	19.962	2.126	2780.443	0.07%	98.99%
74.0	19.346	2.067	2782.509	0.07%	99.07%
75.0	18.716	2.011	2784.52	0.06%	99.14%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	18.149	1.957	2786.477	0.06%	99.21%
77.0	17.547	1.903	2788.38	0.06%	99.28%
78.0	17.035	1.851	2790.232	0.06%	99.34%
79.0	16.523	1.803	2792.035	0.06%	99.41%
80.0	15.983	1.752	2793.787	0.06%	99.47%
81.0	15.520	1.704	2795.491	0.05%	99.53%
82.0	14.994	1.655	2797.146	0.05%	99.59%
83.0	14.537	1.605	2798.751	0.05%	99.65%
84.0	14.039	1.557	2800.308	0.05%	99.70%
85.0	13.506	1.503	2801.811	0.05%	99.76%
86.0	13.057	1.452	2803.263	0.05%	99.81%
87.0	12.648	1.407	2804.67	0.05%	99.86%
88.0	12.275	1.365	2806.035	0.04%	99.91%
89.0	12.046	1.333	2807.368	0.04%	99.95%
90.0	11.908	1.313	2808.681	0.04%	100.00%

Zonal flux distribution table

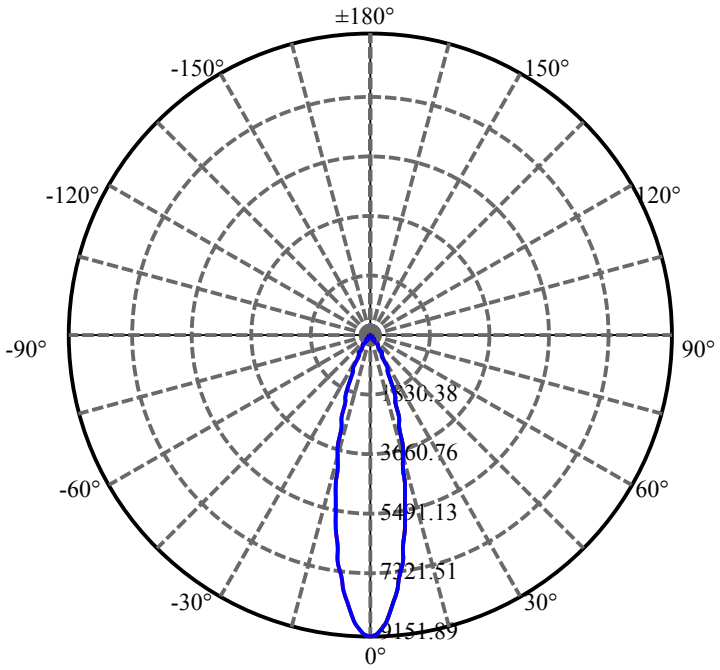
ZONAL LUMEN SUMMARY

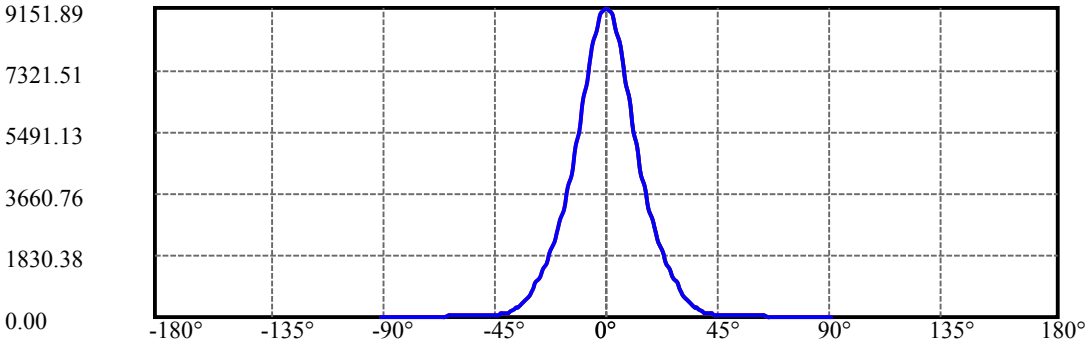
Zone	Lumens	%Lamp	%Fixt
0-30	2446.68	78.65%	87.11%
0-40	2659.75	85.50%	94.70%
0-60	2747.13	88.30%	97.81%
0-90	2807.37	90.24%	99.95%
0-120	2807.37	90.24%	99.95%
0-180	2808.68	90.28%	100.00%
60-90	60.24	1.94%	2.14%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-26.09	2246.95	72.23%	80.00%

ZONAL LUMEN SUMMARY

0-10	708.36
10-20	1074.09
20-30	664.23
30-40	213.06
40-50	53.45
50-60	33.93
60-70	26.73
70-80	19.93
80-90	13.58
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):

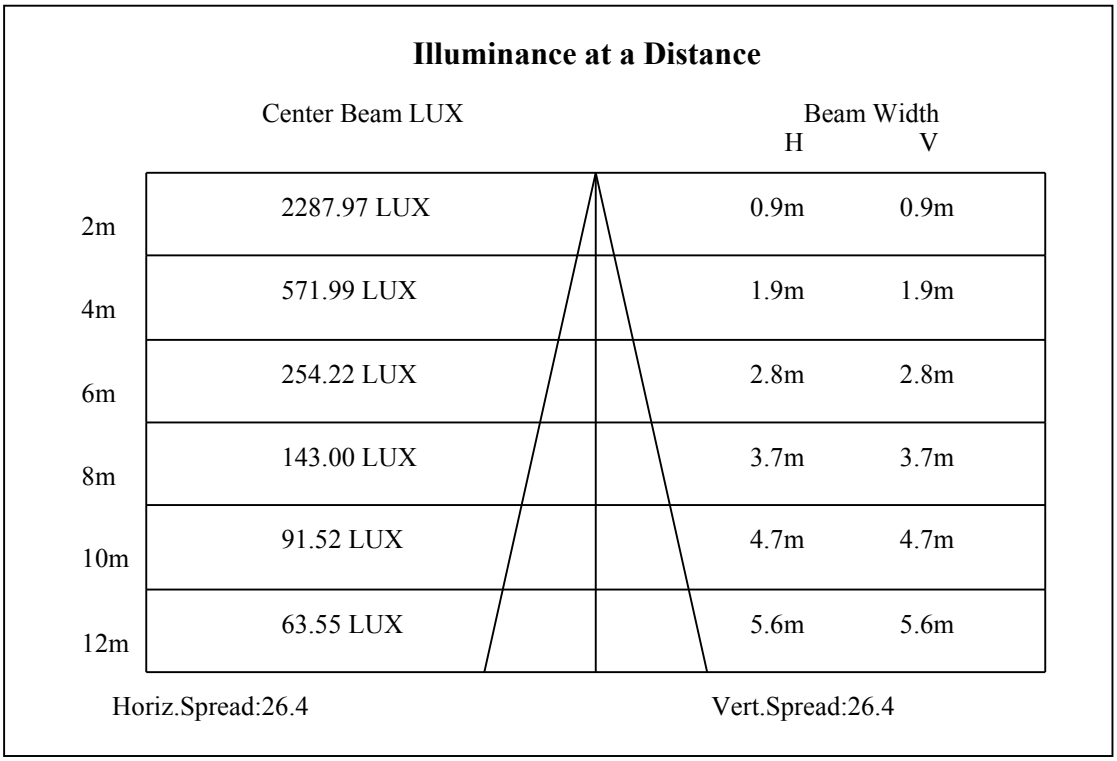
C0/C180:

C90/C270:

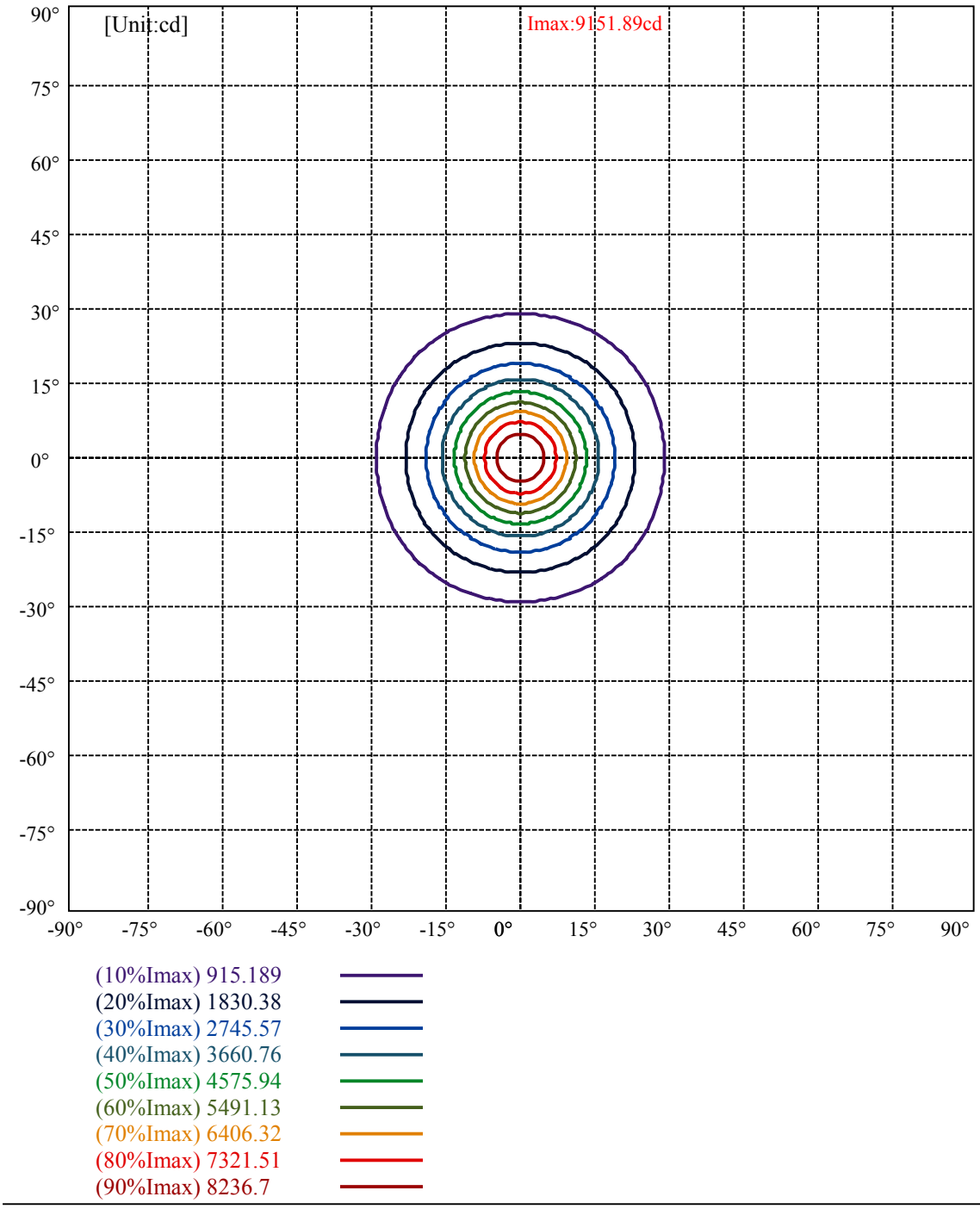
Field angle(10%Imax):C0/180Left:28.7 Right:28.7
:C90/270Left:28.7 Right:28.7

Beam Angle(50%Imax):C0/180Left:13.1 Right:13.1
:C90/270Left:13.1 Right:13.1

Lux distance Curve



ISO-Intensity(V-H)

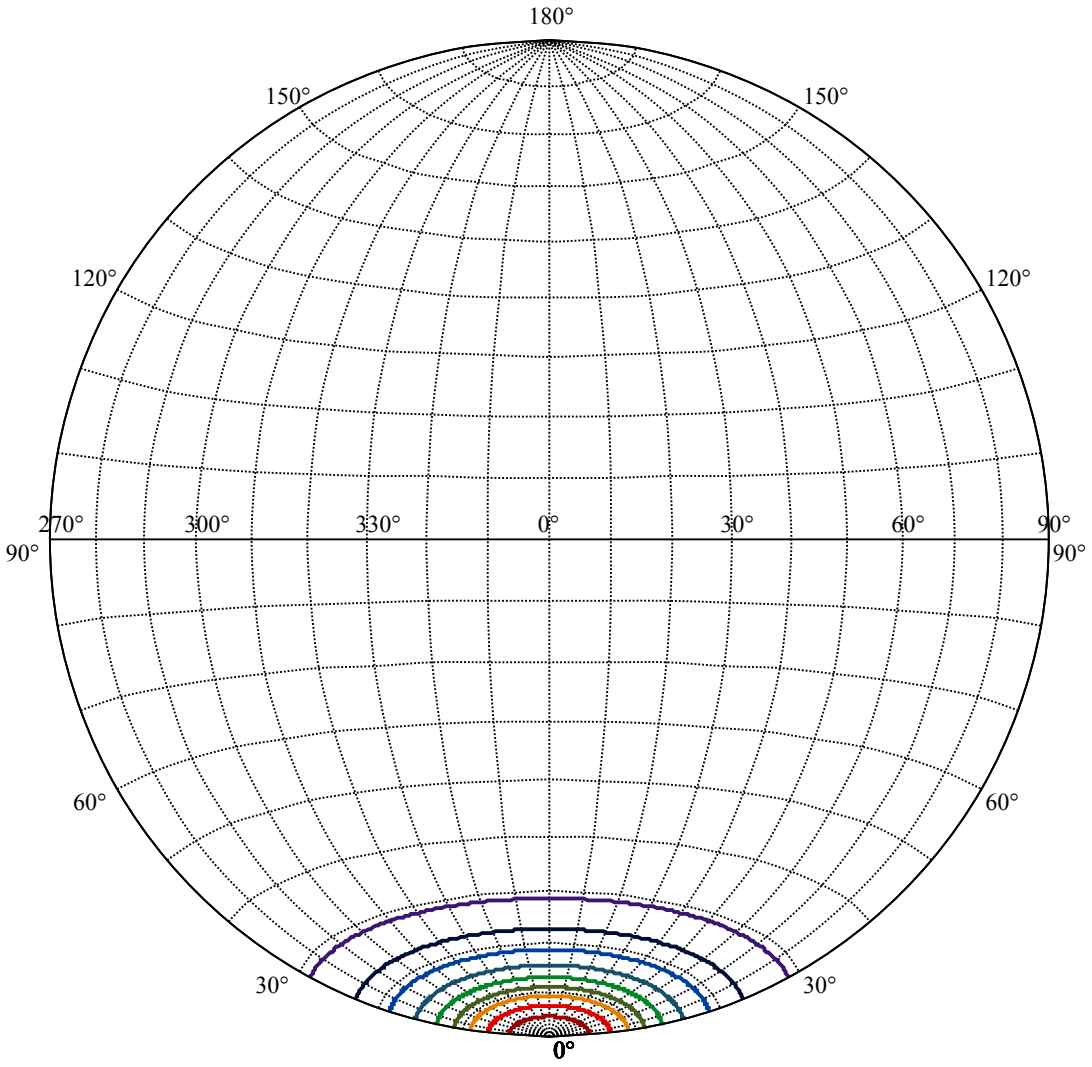


Equipment: GMS1980
Temperature(°C): 0.0

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

Operator: NT07
Distance(m): 7.44

ISO candela diagram on circular web



[Unit:cd]

Imax:9151.89

(10%Imax) 915.189
(20%Imax) 1830.38
(30%Imax) 2745.57
(40%Imax) 3660.76
(50%Imax) 4575.94
(60%Imax) 5491.13
(70%Imax) 6406.32
(80%Imax) 7321.51
(90%Imax) 8236.7

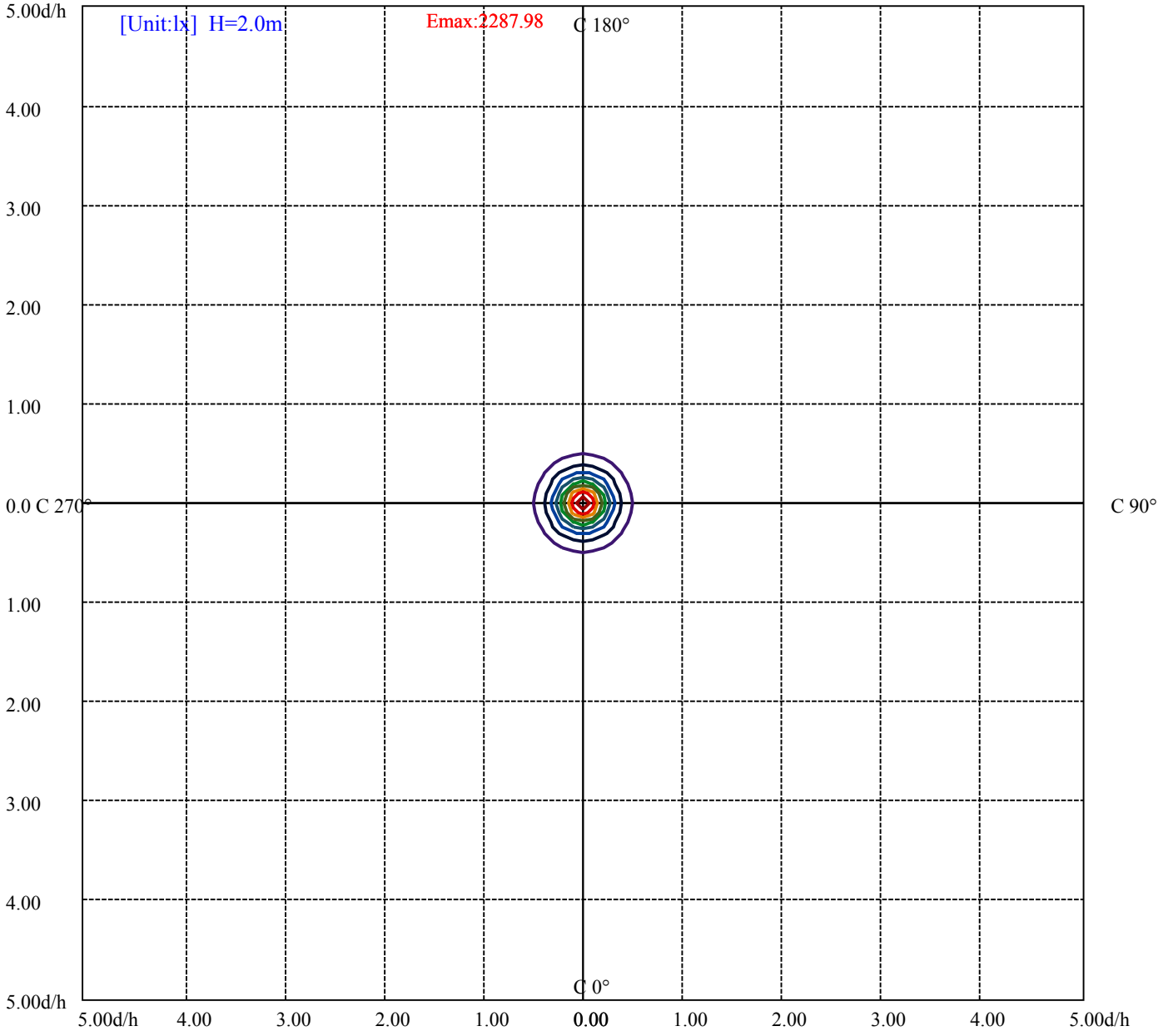
Equipment: GMS1980
Temperature(°C): 0.0

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

Operator: NT07
Distance(m): 7.44

NT 2-2644-L

ISO illuminance diagram

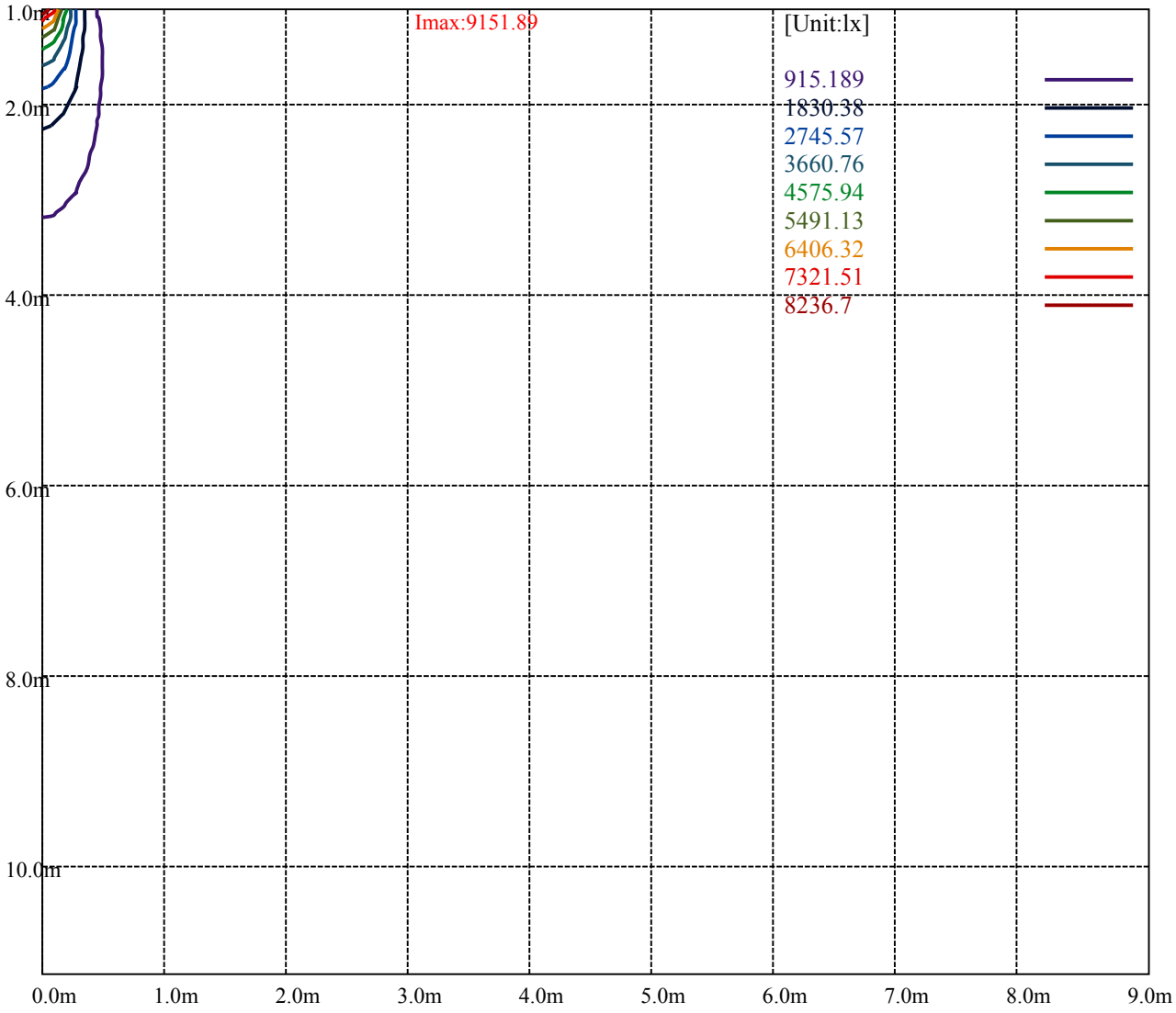


Equipment: GMS1980
Temperature(°C): 0.0

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

NT 2-2644-L

Luminance Limitting Curve(no luminous side)

Luminance Table

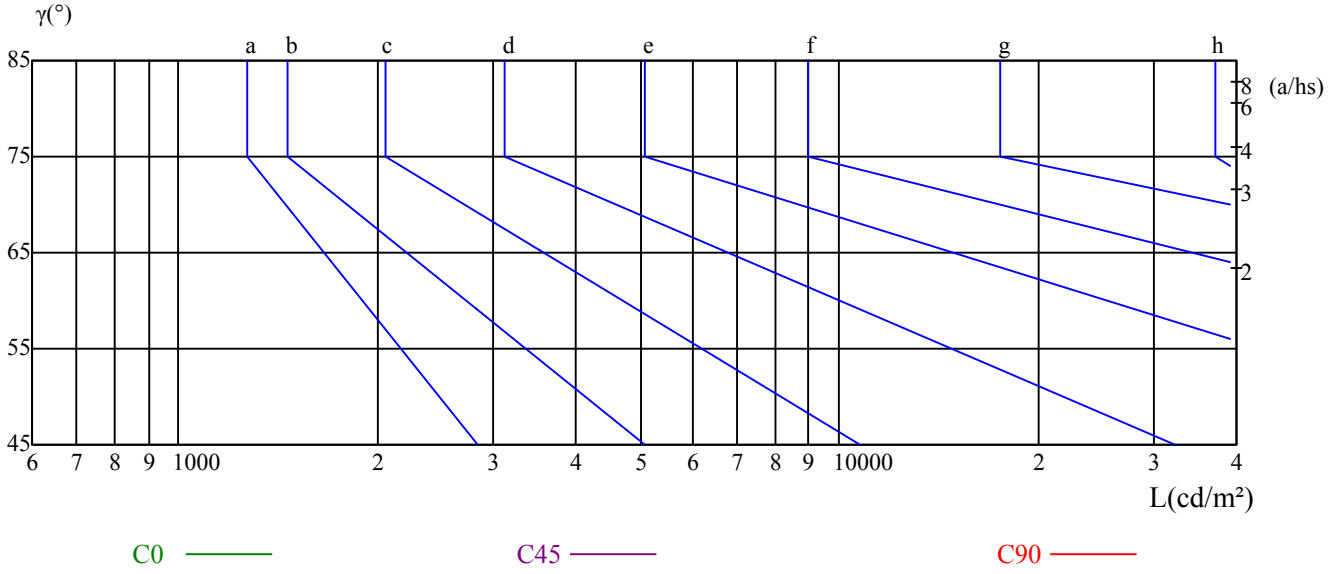
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

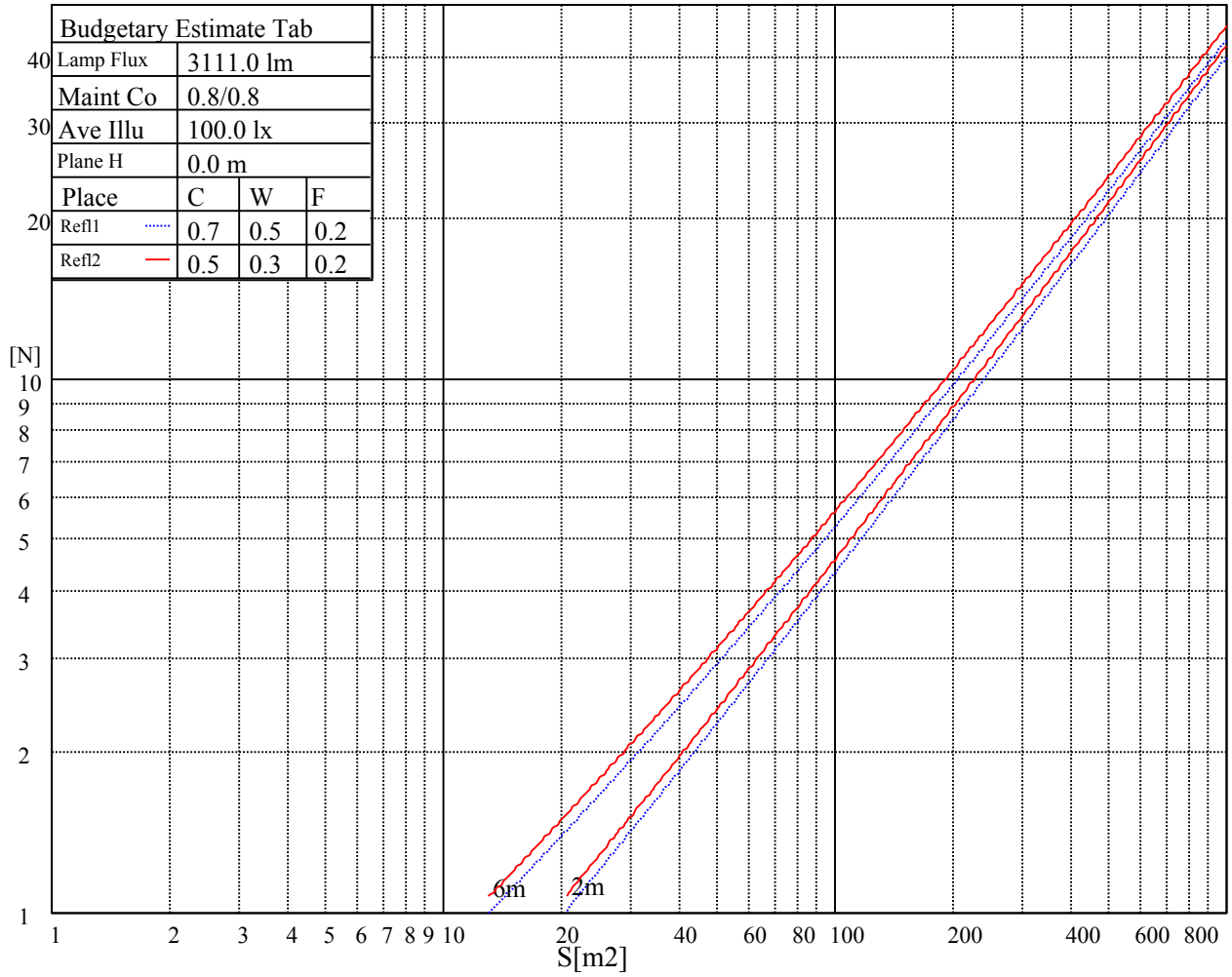
Date: 2023/11/17
Humidity(%): 0.0%

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

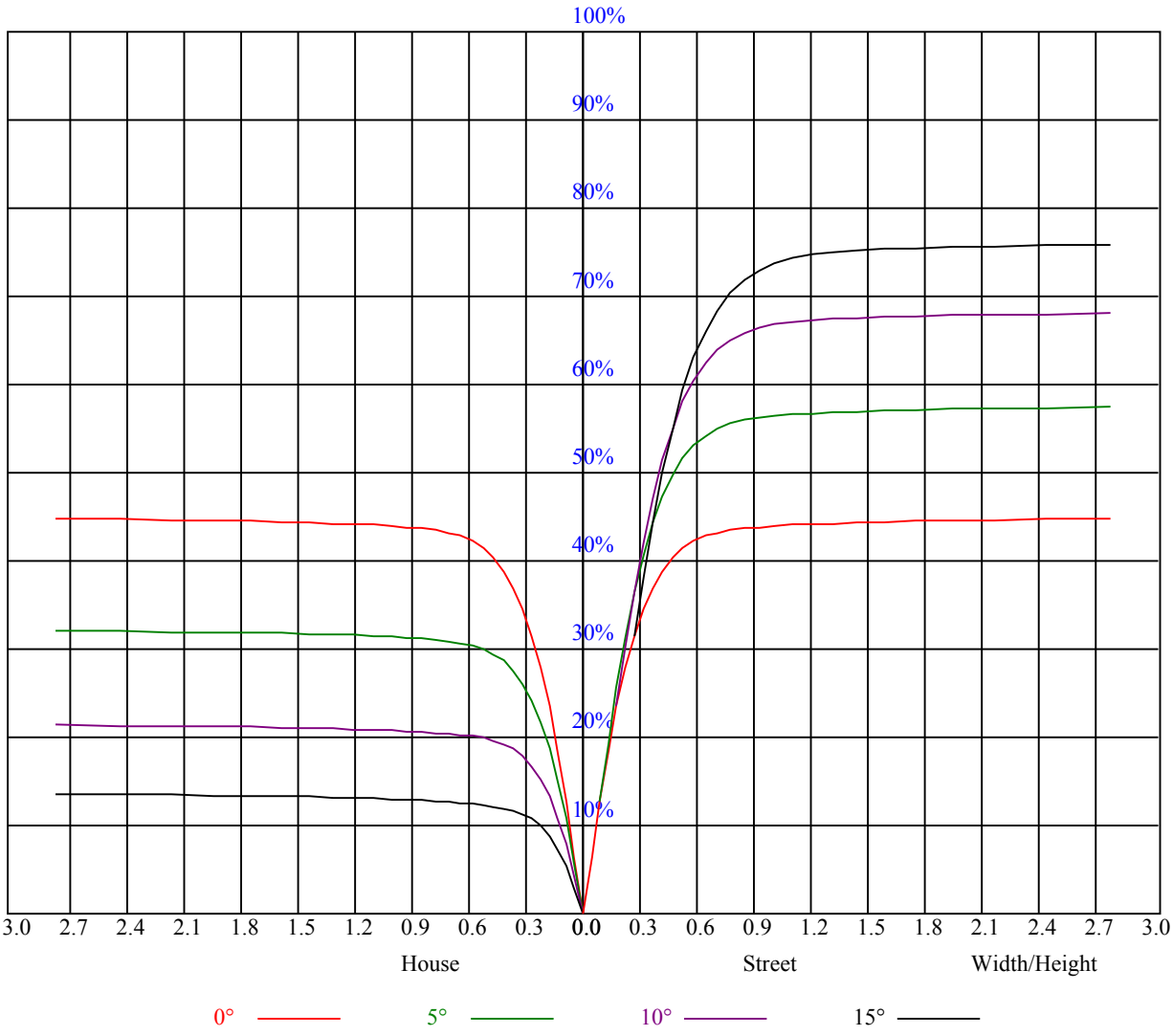
Budgetary Estimate Table



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	1.07	1.07	1.07	1.05	1.05	1.05	1.00	1.00	1.00	0.96	0.96	0.96	0.92	0.92	0.92	0.90
1	1.01	0.99	0.97	0.99	0.97	0.95	0.95	0.94	0.92	0.92	0.91	0.90	0.89	0.88	0.87	0.85
2	0.95	0.92	0.89	0.93	0.90	0.88	0.91	0.88	0.86	0.88	0.86	0.84	0.85	0.84	0.83	0.81
3	0.90	0.86	0.83	0.89	0.85	0.82	0.86	0.83	0.81	0.84	0.82	0.80	0.82	0.80	0.79	0.77
4	0.85	0.81	0.78	0.84	0.81	0.78	0.83	0.79	0.77	0.81	0.78	0.76	0.79	0.77	0.75	0.74
5	0.81	0.77	0.74	0.81	0.77	0.73	0.79	0.76	0.73	0.78	0.75	0.72	0.76	0.74	0.72	0.70
6	0.78	0.73	0.70	0.77	0.73	0.70	0.76	0.72	0.70	0.75	0.72	0.69	0.74	0.71	0.69	0.68
7	0.75	0.70	0.67	0.74	0.70	0.67	0.73	0.69	0.67	0.72	0.69	0.66	0.71	0.68	0.66	0.65
8	0.72	0.67	0.64	0.71	0.67	0.64	0.70	0.67	0.64	0.70	0.66	0.64	0.69	0.66	0.63	0.62
9	0.69	0.65	0.62	0.69	0.64	0.62	0.68	0.64	0.61	0.67	0.64	0.61	0.66	0.63	0.61	0.60
10	0.67	0.62	0.59	0.66	0.62	0.59	0.66	0.62	0.59	0.65	0.61	0.59	0.64	0.61	0.59	0.58

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	9068.58	8864.88	8616.34	8332.93	7895.08	7528.09	7144.49	6719.37	6173.03
45.0	9194.23	9106.22	8895.32	8660.07	8305.81	7974.24	7607.80	7205.93	6676.20
90.0	9113.42	8906.39	8683.87	8423.16	8031.81	7665.37	7281.21	6758.67	6304.22
135.0	9231.32	9181.50	9022.08	8750.30	8505.63	8205.62	7862.43	7401.33	7017.73
180.0	9068.58	9188.14	9203.09	9111.20	8869.86	8635.72	8308.02	8000.26	7629.39
225.0	9194.23	9198.66	9059.72	8851.04	8606.93	8325.73	7922.21	7557.98	7156.11
270.0	9113.42	9206.96	9210.84	9100.13	8907.50	8665.61	8375.55	7947.12	7561.30
315.0	9231.32	9182.06	9071.90	8863.77	8594.75	8190.12	7822.02	7414.06	6990.05
360.0	9068.58	8864.88	8616.34	8332.93	7895.08	7528.09	7144.49	6719.37	6173.03

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	5723.01	5280.73	4738.82	4334.74	3912.39	3594.11	3306.82	3033.93	2722.84
45.0	6232.82	5785.00	5330.55	4790.30	4402.27	4045.24	3708.14	3327.86	3057.73
90.0	5840.36	5280.18	4858.94	4470.36	4121.08	3704.26	3397.60	3121.39	2868.98
135.0	6477.48	6024.69	5561.38	5008.39	4613.72	4247.28	3906.86	3511.63	3230.44
180.0	7221.98	6706.09	6249.42	5790.54	5339.41	4804.69	4421.65	4055.76	3633.96
225.0	6758.67	6201.82	5752.35	5303.43	4764.28	4368.51	4013.69	3607.95	3315.13
270.0	7157.77	6741.51	6187.43	5744.60	5187.74	4763.73	4374.04	3935.64	3609.61
315.0	6454.78	6025.79	5462.85	5030.54	4630.33	4161.48	3823.27	3520.49	3233.76
360.0	5723.01	5280.73	4738.82	4334.74	3912.39	3594.11	3306.82	3033.93	2722.84

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2492.02	2275.03	2074.10	1844.38	1679.43	1515.03	1251.54	1070.48	1036.33
45.0	2742.77	2512.50	2297.73	2049.74	1870.95	1702.68	1504.51	1355.06	1212.24
90.0	2575.05	2358.62	2105.10	1919.11	1748.07	1544.92	1395.46	1076.90	1076.90
135.0	2973.04	2733.91	2498.66	2238.50	2044.76	1824.45	1661.16	1498.98	1309.67
180.0	3334.50	3071.57	2749.97	2507.52	2297.17	2055.28	1864.86	1694.37	1501.74
225.0	2987.99	2728.38	2493.13	2276.14	2077.97	1850.47	1684.96	1528.87	1275.35
270.0	3320.66	3064.38	2736.13	2504.20	2292.19	2093.47	1862.10	1694.37	1534.40
315.0	2901.64	2656.42	2431.13	2219.68	1981.11	1808.40	1644.56	1455.25	1103.09
360.0	2492.02	2275.03	2074.10	1844.38	1679.43	1515.03	1251.54	1070.48	1036.33

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	903.20	752.14	646.75	557.36	454.73	382.99	306.77	254.41	210.45
45.0	1074.97	942.67	788.24	680.85	584.53	476.04	400.76	336.00	279.54
90.0	943.83	820.78	708.86	607.28	493.09	414.38	346.07	287.67	227.50
135.0	1163.53	1023.49	858.53	740.08	633.80	540.80	435.63	364.78	303.89
180.0	1348.41	1218.33	1075.52	916.66	794.32	681.96	587.30	479.36	403.53
225.0	1101.65	1068.99	939.13	785.80	678.80	583.70	476.71	401.04	321.22
270.0	1386.61	1210.58	1074.97	911.67	787.68	678.08	557.96	472.17	397.99
315.0	1103.09	1004.06	875.86	725.30	620.74	525.75	442.44	370.15	294.04
360.0	903.20	752.14	646.75	557.36	454.73	382.99	306.77	254.41	210.45

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	175.08	140.82	119.79	103.35	90.84	79.16	71.96	65.98	60.94
45.0	279.54	180.18	144.75	123.44	106.89	91.00	81.70	73.79	67.31
90.0	189.97	153.27	130.25	112.53	95.93	85.52	77.16	70.13	63.10
135.0	290.05	228.78	163.63	138.11	114.19	99.47	85.08	75.61	68.53
180.0	322.16	281.20	281.20	182.06	145.80	123.72	106.33	90.56	81.04
225.0	266.58	221.64	184.55	147.46	124.43	106.67	93.44	80.87	73.45
270.0	333.23	290.05	290.05	180.07	151.00	122.88	106.28	93.49	81.76
315.0	244.16	202.65	169.49	136.67	116.57	101.08	86.74	77.88	69.08
360.0	175.08	140.82	119.79	103.35	90.84	79.16	71.96	65.98	60.94

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	52.14	48.38	45.83	43.73	41.52	40.08	38.91	37.86
45.0	60.78	56.52	52.92	49.76	46.39	44.17	42.35	40.52	39.36
90.0	58.51	54.63	51.31	47.83	45.45	43.51	41.46	40.13	38.69
135.0	62.83	57.12	53.31	49.98	47.11	44.23	42.29	40.68	39.08
180.0	73.56	67.14	60.78	56.63	53.08	50.04	46.72	44.56	42.68
225.0	67.48	62.38	56.90	53.42	49.54	46.88	44.67	42.40	40.80
270.0	74.45	68.36	62.00	57.62	53.91	49.93	47.22	44.95	42.51
315.0	63.38	58.67	53.75	50.43	47.49	44.95	42.40	40.68	39.19
360.0	55.69	52.14	48.38	45.83	43.73	41.52	40.08	38.91	37.86

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	36.70	35.70	34.82	33.99	32.77	31.55	30.50	29.34	28.40
45.0	37.97	36.92	35.98	35.09	33.99	32.99	31.77	30.78	29.56
90.0	37.59	36.59	35.20	34.26	33.21	32.05	30.61	29.61	28.67
135.0	38.03	36.98	35.76	34.82	33.93	32.77	31.61	30.50	29.28
180.0	40.74	39.52	38.14	37.14	36.20	34.98	34.04	33.05	31.83
225.0	39.58	38.36	37.09	36.04	35.09	34.15	33.05	31.83	30.72
270.0	40.91	39.52	38.36	36.98	35.92	34.93	33.99	32.71	31.50
315.0	38.03	36.64	35.65	34.60	33.54	32.60	31.55	30.17	29.28
360.0	36.70	35.70	34.82	33.99	32.77	31.55	30.50	29.34	28.40

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	27.46	26.46	25.63	24.74	23.64	22.86	22.09	21.31	20.48
45.0	28.62	27.68	26.90	25.91	25.13	24.13	23.36	22.42	21.75
90.0	27.68	26.57	25.74	24.85	23.97	22.86	22.09	21.03	20.26
135.0	28.34	27.40	26.51	25.74	24.69	23.69	22.86	21.86	21.15
180.0	30.50	29.45	28.51	27.51	26.46	25.57	24.69	23.64	22.81
225.0	29.50	28.56	27.62	26.51	25.63	24.69	23.64	22.86	22.03
270.0	30.17	29.17	28.12	27.01	26.18	25.30	24.36	23.25	22.47
315.0	28.29	27.12	26.24	25.41	24.58	23.53	22.69	21.86	21.09
360.0	27.46	26.46	25.63	24.74	23.64	22.86	22.09	21.31	20.48

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	19.82	19.32	18.88	18.32	17.88	17.33	16.83	16.33	15.72
45.0	21.09	20.48	20.04	19.37	18.82	18.21	17.49	16.94	16.38
90.0	19.60	18.88	18.32	17.82	17.27	16.66	16.22	15.78	15.33
135.0	20.15	19.43	18.88	18.16	17.60	17.10	16.61	16.11	15.55
180.0	21.98	21.03	20.26	19.60	18.88	18.32	17.88	17.38	16.83
225.0	21.26	20.37	19.71	19.15	18.60	17.99	17.49	16.88	16.44
270.0	21.64	20.76	19.87	19.21	18.60	17.88	17.33	16.83	16.22
315.0	20.09	19.43	18.82	18.10	17.55	16.88	16.44	15.94	15.39
360.0	19.82	19.32	18.88	18.32	17.88	17.33	16.83	16.33	15.72

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	15.22	14.67	14.34	13.56	12.95	12.57	12.29	12.07	12.01
45.0	15.83	15.17	14.56	14.12	13.17	12.79	12.45	12.07	11.85
90.0	14.78	14.28	13.84	13.51	12.84	12.51	12.18	11.85	11.85
135.0	15.17	14.67	14.28	13.78	13.45	12.90	12.57	12.23	11.90
180.0	16.44	16.00	15.50	14.95	14.50	14.06	13.56	12.73	12.40
225.0	16.00	15.39	14.83	14.34	13.84	13.23	12.68	12.40	12.12
270.0	15.72	15.28	14.78	14.34	13.84	13.51	12.90	12.57	12.23
315.0	15.00	14.50	14.17	13.73	13.45	12.90	12.57	12.29	12.01
360.0	15.22	14.67	14.34	13.56	12.95	12.57	12.29	12.07	12.01

Intensity data(cd)

C/γ(°)	90.0
0.0	11.96
45.0	11.85
90.0	11.85
135.0	11.90
180.0	12.07
225.0	11.90
270.0	11.90
315.0	11.85
360.0	11.96