NATA LIGHTING CO.,LTD.
www.nata.cn
Email:info@nata.com
Tel:+86-750-3770000 Fax:+86-750-3771111
Address:380JinOu Road,GaoXin Zone,Jiang Men City,Guangdong,China

NT

Client:
LumCAT: 2-2645-L
Luminaire: 92.70.411.00
Report No: 20231026-B022
Ballast type: AC

Test No: 20231026-C022	Voltage(V): 34.410
LampCAT: LUMILEDS LUXEON 1208	Current(A): 0.576
Lamp flux(lm): 2763.9	Power (W): 19.820
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 2585.92, Efficiency(%): 93.56% , Luminous Efficacy(lm/W): 130.47
Central intensity(cd): 5586.009, Maximum intensity(cd): 5586.009
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=39.4
[C90/270]Total=39.4
Field angle(10%Imax): [C0/180]Total=63.4
[C90/270]Total=63.4
Maximum s/h(1/2): C0_180=0.65 C90_270=0.65
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(%): 93.56%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 98.167%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	5586.009	0.000	0	0.00%	0.00%
1.0	5571.271	5.339	5.339	0.19%	0.21%
2.0	5537.436	15.944	21.283	0.58%	0.82%
3.0	5493.291	26.382	47.665	0.95%	1.84%
4.0	5432.887	36.573	84.238	1.32%	3.26%
5.0	5353.316	46.402	130.64	1.68%	5.05%
6.0	5263.435	55.794	186.434	2.02%	7.21%
7.0	5152.313	64.650	251.084	2.34%	9.71%
8.0	5035.725	72.914	323.998	2.64%	12.53%
9.0	4908.204	80.590	404.588	2.92%	15.65%
10.0	4771.619	87.599	492.187	3.17%	19.03%
11.0	4625.278	93.894	586.081	3.40%	22.66%
12.0	4452.574	99.234	685.315	3.59%	26.50%
13.0	4285.891	103.704	789.019	3.75%	30.51%
14.0	4101.079	107.352	896.371	3.88%	34.66%
15.0	3898.416	109.821	1006.192	3.97%	38.91%
16.0	3676.932	111.000	1117.192	4.02%	43.20%
17.0	3449.290	110.974	1228.166	4.02%	47.49%
18.0	3230.851	110.141	1338.307	3.98%	51.75%
19.0	2967.161	107.833	1446.14	3.90%	55.92%
20.0	2720.491	104.100	1550.24	3.77%	59.95%
21.0	2484.270	99.942	1650.182	3.62%	63.81%
22.0	2242.789	94.992	1745.174	3.44%	67.49%
23.0	2015.425	89.349	1834.523	3.23%	70.94%
24.0	1784.462	83.079	1917.602	3.01%	74.16%
25.0	1517.588	75.081	1992.683	2.72%	77.06%
26.0	1332.638	67.280	2059.963	2.43%	79.66%
27.0	1187.778	61.663	2121.626	2.23%	82.05%
28.0	1058.264	56.865	2178.491	2.06%	84.24%
29.0	906.180	51.395	2229.886	1.86%	86.23%
30.0	773.629	45.355	2275.241	1.64%	87.99%
31.0	641.334	39.376	2314.617	1.42%	89.51%
32.0	529.803	33.552	2348.169	1.21%	90.81%
33.0	431.357	28.316	2376.485	1.02%	91.90%
34.0	350.873	23.673	2400.157	0.86%	92.82%
35.0	281.694	19.645	2419.803	0.71%	93.58%
36.0	242.338	16.685	2436.488	0.60%	94.22%
37.0	199.577	14.413	2450.901	0.52%	94.78%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	142.778	11.427	2462.328	0.41%	95.22%
39.0	113.129	8.735	2471.063	0.32%	95.56%
40.0	91.845	7.149	2478.212	0.26%	95.83%
41.0	75.917	5.974	2484.186	0.22%	96.07%
42.0	64.888	5.116	2489.301	0.19%	96.26%
43.0	55.810	4.471	2493.772	0.16%	96.44%
44.0	49.881	3.989	2497.761	0.14%	96.59%
45.0	44.982	3.646	2501.407	0.13%	96.73%
46.0	41.135	3.368	2504.775	0.12%	96.86%
47.0	37.959	3.146	2507.921	0.11%	96.98%
48.0	35.136	2.955	2510.875	0.11%	97.10%
49.0	32.832	2.791	2513.667	0.10%	97.21%
50.0	30.880	2.656	2516.323	0.10%	97.31%
51.0	29.206	2.542	2518.865	0.09%	97.41%
52.0	27.684	2.441	2521.306	0.09%	97.50%
53.0	26.341	2.350	2523.656	0.09%	97.59%
54.0	25.276	2.275	2525.931	0.08%	97.68%
55.0	24.300	2.213	2528.144	0.08%	97.77%
56.0	23.449	2.158	2530.302	0.08%	97.85%
57.0	22.723	2.111	2532.413	0.08%	97.93%
58.0	22.031	2.070	2534.483	0.07%	98.01%
59.0	21.408	2.031	2536.514	0.07%	98.09%
60.0	20.882	1.998	2538.511	0.07%	98.17%
61.0	20.405	1.970	2540.482	0.07%	98.24%
62.0	19.879	1.941	2542.423	0.07%	98.32%
63.0	19.436	1.912	2544.335	0.07%	98.39%
64.0	19.021	1.887	2546.222	0.07%	98.46%
65.0	18.606	1.862	2548.084	0.07%	98.54%
66.0	18.204	1.837	2549.921	0.07%	98.61%
67.0	17.782	1.810	2551.73	0.07%	98.68%
68.0	17.429	1.784	2553.514	0.06%	98.75%
69.0	17.049	1.759	2555.273	0.06%	98.81%
70.0	16.668	1.732	2557.004	0.06%	98.88%
71.0	16.302	1.704	2558.709	0.06%	98.95%
72.0	15.990	1.679	2560.388	0.06%	99.01%
73.0	15.637	1.654	2562.042	0.06%	99.08%
74.0	15.333	1.628	2563.67	0.06%	99.14%
75.0	15.022	1.604	2565.274	0.06%	99.20%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	14.724	1.579	2566.853	0.06%	99.26%
77.0	14.385	1.552	2568.405	0.06%	99.32%
78.0	14.032	1.521	2569.926	0.06%	99.38%
79.0	13.707	1.490	2571.416	0.05%	99.44%
80.0	13.396	1.461	2572.877	0.05%	99.50%
81.0	13.050	1.430	2574.307	0.05%	99.55%
82.0	12.724	1.398	2575.705	0.05%	99.60%
83.0	12.427	1.367	2577.072	0.05%	99.66%
84.0	12.136	1.338	2578.41	0.05%	99.71%
85.0	11.901	1.312	2579.722	0.05%	99.76%
86.0	11.645	1.287	2581.009	0.05%	99.81%
87.0	11.410	1.262	2582.271	0.05%	99.86%
88.0	11.195	1.238	2583.509	0.04%	99.91%
89.0	10.967	1.215	2584.724	0.04%	99.95%
90.0	10.891	1.198	2585.923	0.04%	100.00%

Zonal flux distribution table

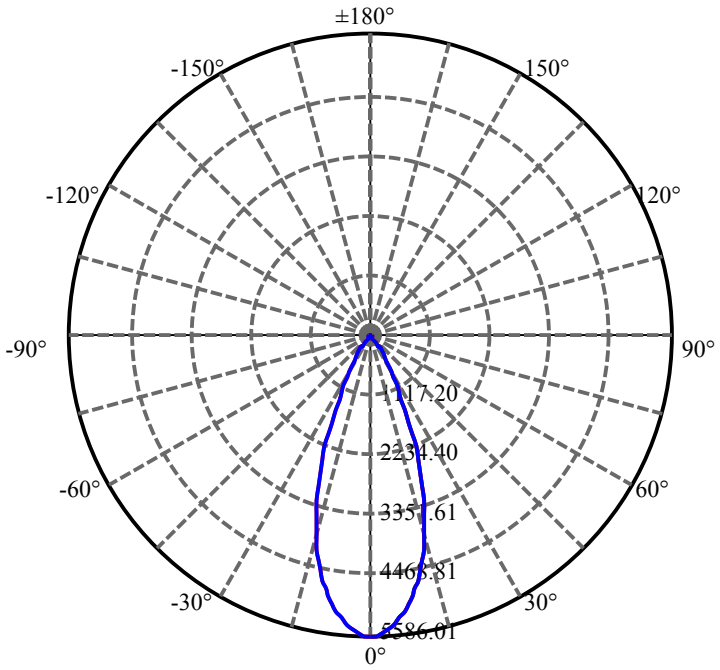
ZONAL LUMEN SUMMARY

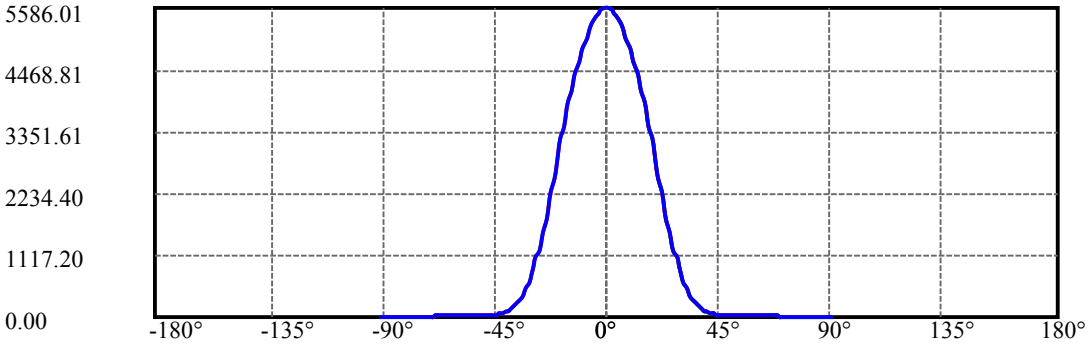
Zone	Lumens	%Lamp	%Fixt
0-30	2275.24	82.32%	87.99%
0-40	2478.21	89.66%	95.83%
0-60	2538.51	91.84%	98.17%
0-90	2584.72	93.52%	99.95%
0-120	2584.72	93.52%	99.95%
0-180	2585.92	93.56%	100.00%
60-90	46.21	1.67%	1.79%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-26.14	2068.74	74.85%	80.00%

ZONAL LUMEN SUMMARY

0-10	492.19
10-20	1058.05
20-30	725.00
30-40	202.97
40-50	38.11
50-60	22.19
60-70	18.49
70-80	15.87
80-90	11.85
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):

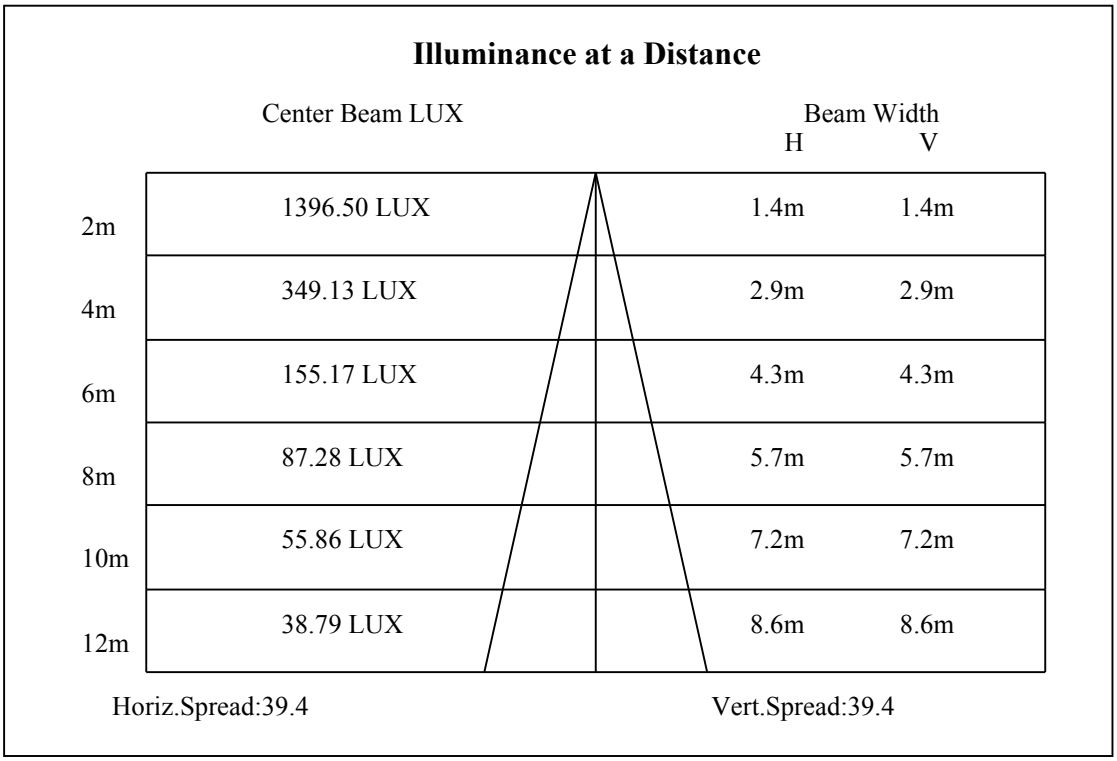
C0/C180:

C90/C270:

Field angle(10%Imax):C0/180Left:31.7 Right:31.7
:C90/270Left:31.7 Right:31.7

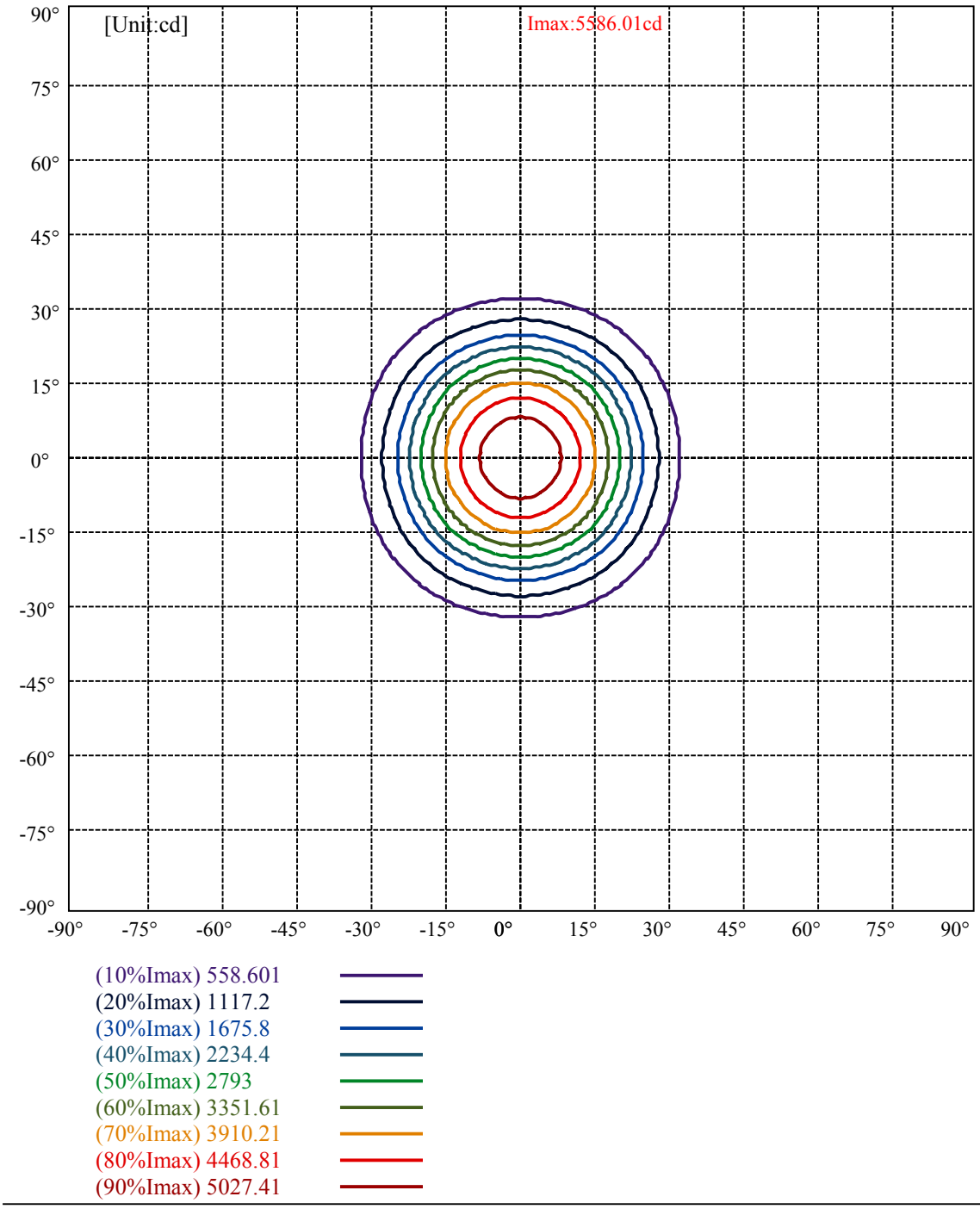
Beam Angle(50%Imax):C0/180Left:19.7 Right:19.7
:C90/270Left:19.7 Right:19.7

Lux distance Curve



Equipment: GMS1980 Date: 2023/10/26 Operator: NT07
Temperature(°C): 0.0 Humidity(%): 0.0% Distance(m): 7.44

ISO-Intensity(V-H)

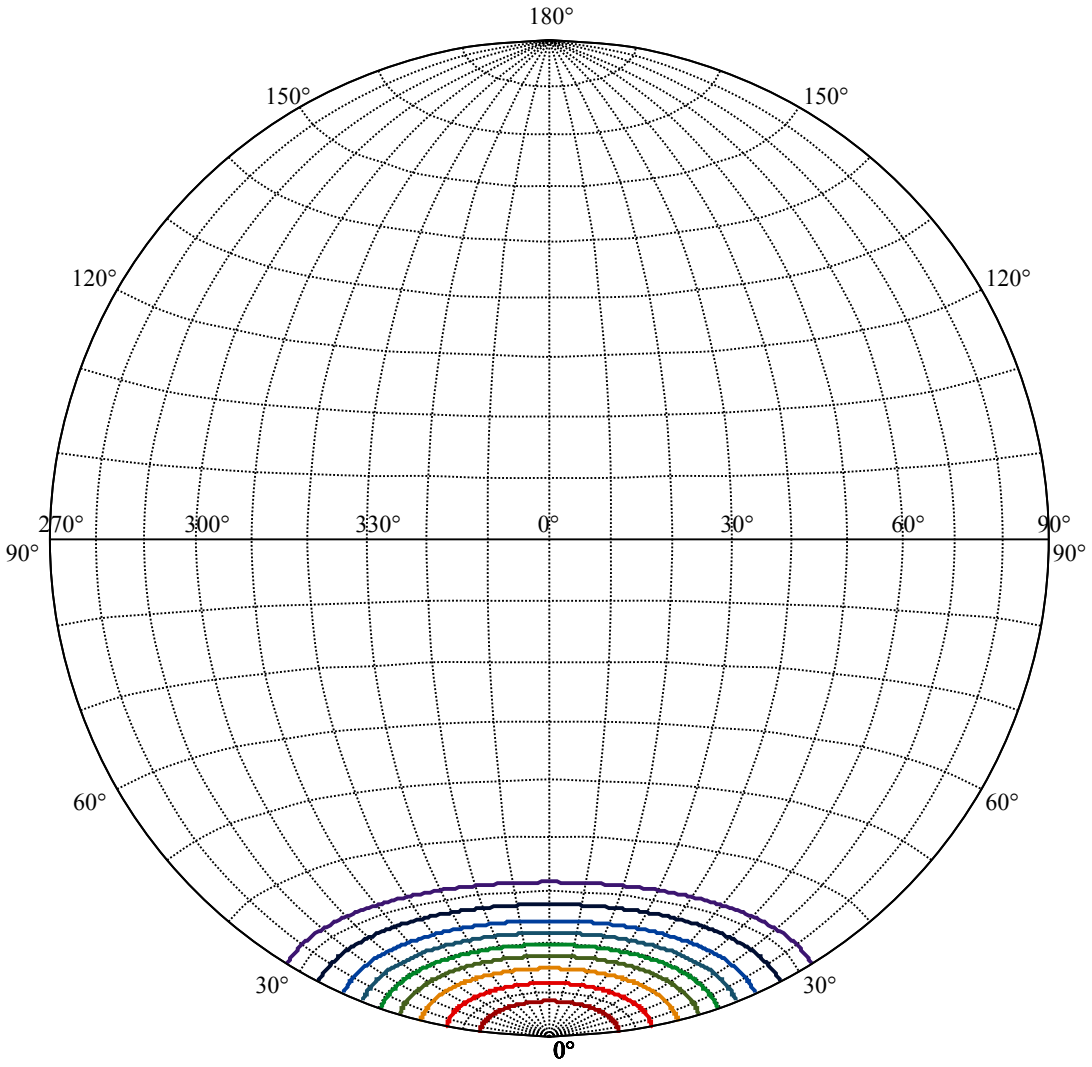


Equipment: GMS1980
Temperature(°C): 0.0

Date: 2023/10/26
Humidity(%): 0.0%

Operator: NT07
Distance(m): 7.44

ISO candela diagram on circular web



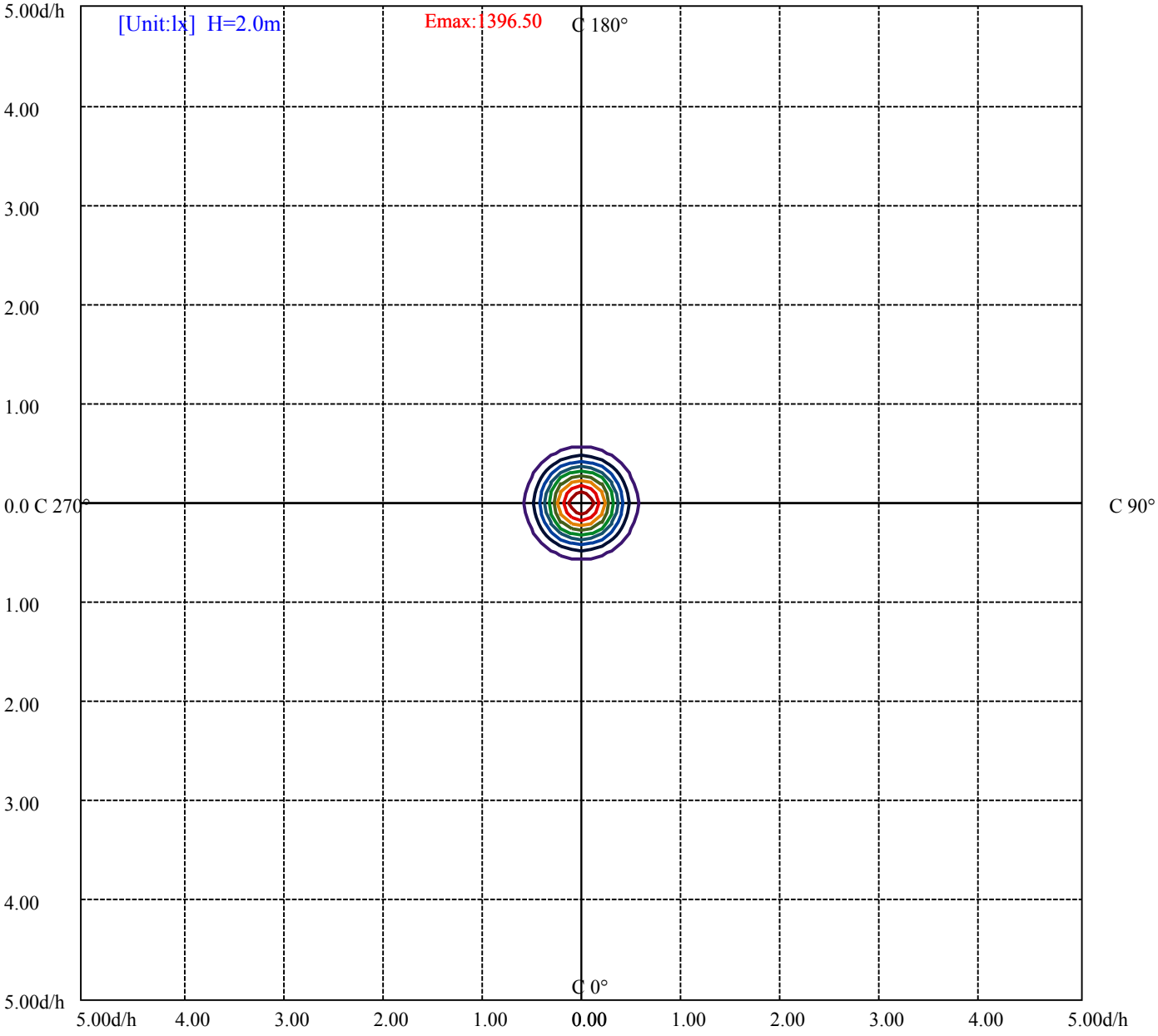
[Unit:cd]

Imax:5586.01

(10%Imax) 558.601
(20%Imax) 1117.2
(30%Imax) 1675.8
(40%Imax) 2234.4
(50%Imax) 2793
(60%Imax) 3351.61
(70%Imax) 3910.21
(80%Imax) 4468.81
(90%Imax) 5027.41

NT 2-2645-L

ISO illuminance diagram

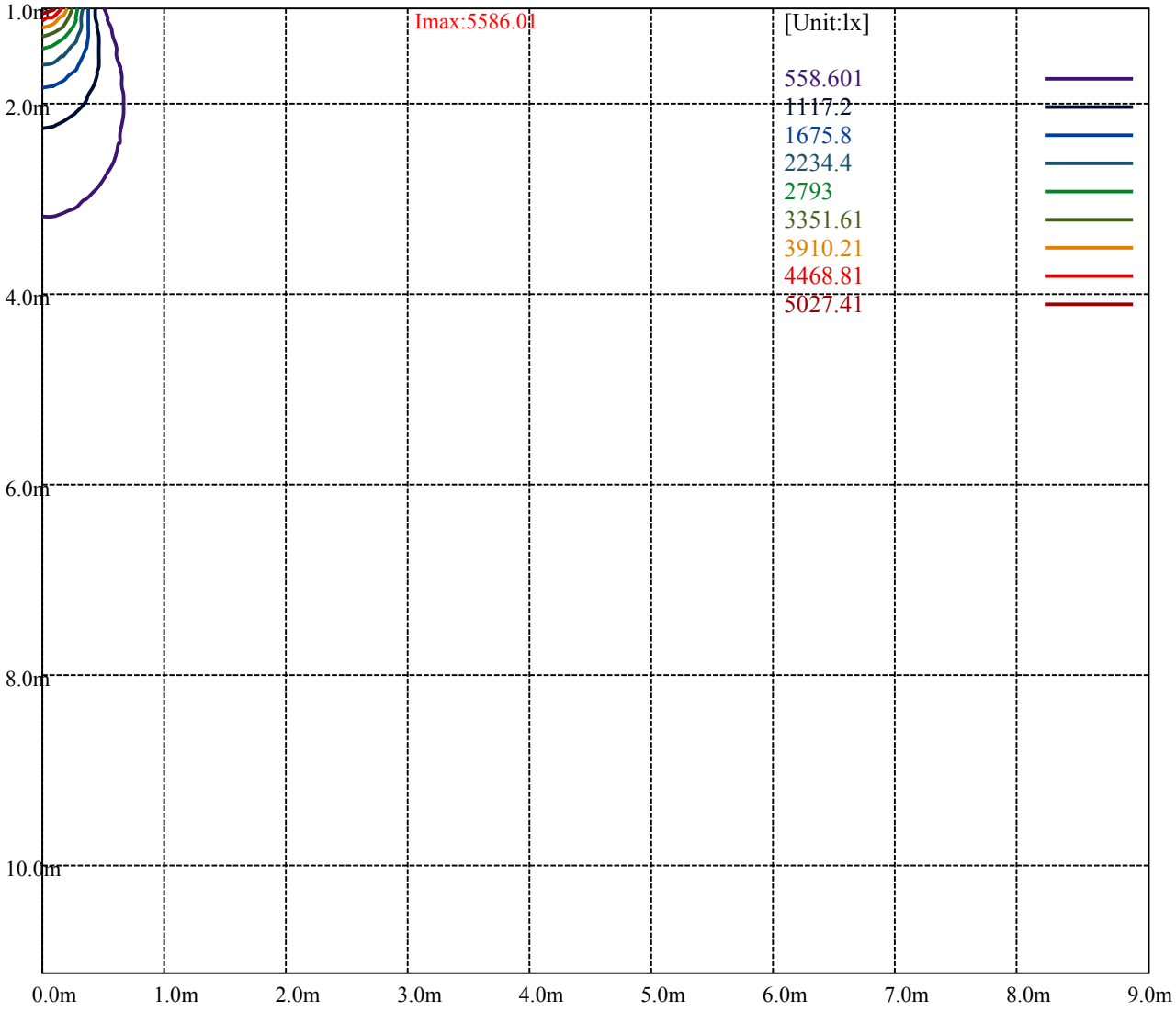


Equipment: GMS1980
Temperature(°C): 0.0

Date: 2023/10/26
Humidity(%): 0.0%

Operator: NT07
Distance(m): 7.44

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 0.0

Date: 2023/10/26
Humidity(%): 0.0%

Operator: NT07
Distance(m): 7.44

NT 2-2645-L

Luminance Limitting Curve(no luminous side)

Luminance Table

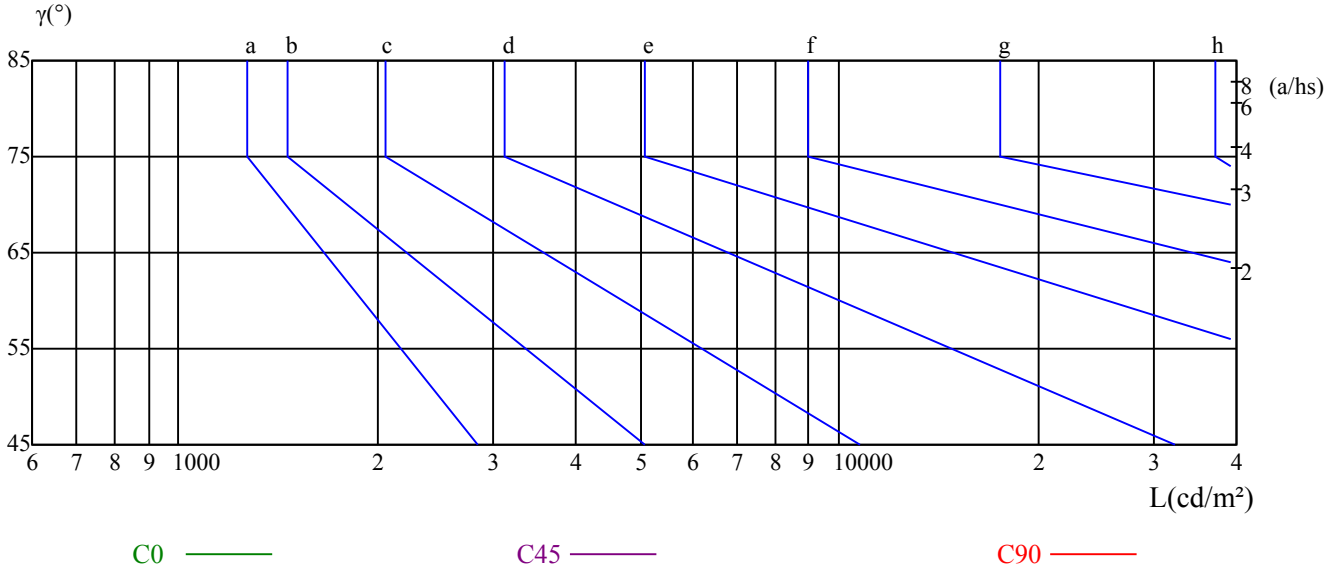
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

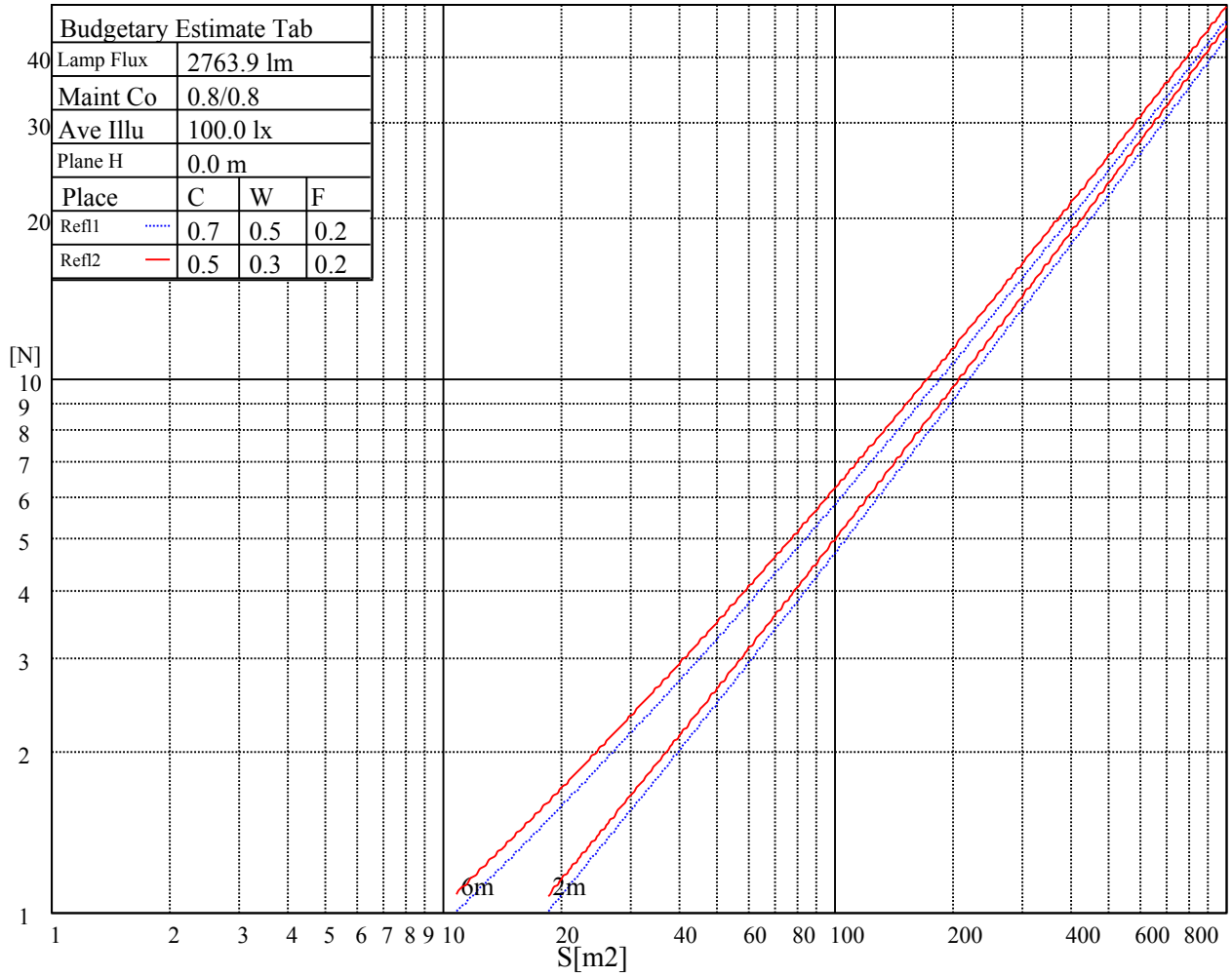
Date: 2023/10/26
Humidity(%): 0.0%

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

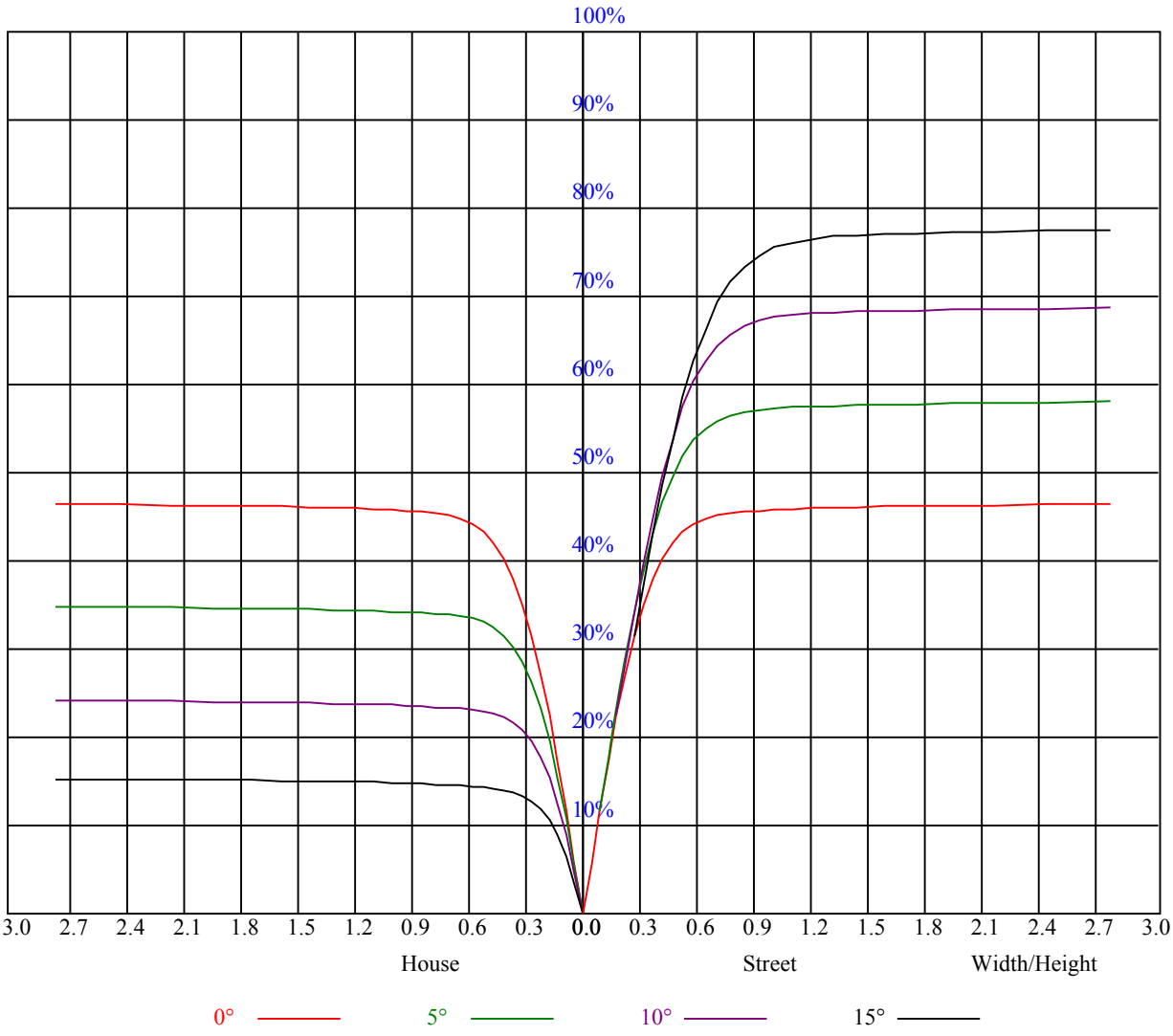


Equipment: GMS1980	Date: 2023/10/26	Operator: NT07
Temperature(°C): 0.0	Humidity(%): 0.0%	Distance(m): 7.44

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	1.11	1.11	1.11	1.09	1.09	1.09	1.04	1.04	1.04	1.00	1.00	1.00	0.95	0.95	0.95	0.94
1	1.04	1.02	1.00	1.02	1.00	0.99	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.90	0.88
2	0.98	0.95	0.92	0.96	0.93	0.91	0.94	0.91	0.89	0.91	0.89	0.87	0.88	0.87	0.85	0.84
3	0.93	0.89	0.85	0.91	0.88	0.85	0.89	0.86	0.83	0.87	0.84	0.82	0.85	0.83	0.81	0.79
4	0.88	0.83	0.80	0.87	0.83	0.80	0.85	0.81	0.79	0.83	0.80	0.78	0.81	0.79	0.77	0.76
5	0.84	0.79	0.75	0.83	0.78	0.75	0.81	0.77	0.74	0.80	0.76	0.74	0.78	0.75	0.73	0.72
6	0.80	0.75	0.71	0.79	0.75	0.71	0.78	0.74	0.71	0.76	0.73	0.70	0.75	0.72	0.70	0.69
7	0.76	0.71	0.68	0.76	0.71	0.68	0.74	0.70	0.67	0.73	0.70	0.67	0.72	0.69	0.67	0.66
8	0.73	0.68	0.65	0.72	0.68	0.65	0.71	0.67	0.64	0.71	0.67	0.64	0.70	0.66	0.64	0.63
9	0.70	0.65	0.62	0.69	0.65	0.62	0.69	0.65	0.62	0.68	0.64	0.62	0.67	0.64	0.61	0.60
10	0.67	0.62	0.59	0.67	0.62	0.59	0.66	0.62	0.59	0.65	0.62	0.59	0.65	0.61	0.59	0.58

Coefficient Utilization Curve



Equipment: GMS1980	Date: 2023/10/26	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	5550.86	5516.54	5471.15	5404.17	5312.28	5233.68	5136.81	5026.66	4887.72
45.0	5604.00	5556.95	5523.74	5471.15	5406.39	5328.89	5239.77	5119.65	5004.52
90.0	5575.21	5549.75	5491.08	5414.14	5326.68	5219.84	5126.85	5015.59	4867.24
135.0	5613.96	5587.95	5545.88	5518.20	5455.65	5367.09	5268.56	5136.26	5027.21
180.0	5550.86	5600.12	5590.16	5557.50	5532.04	5459.53	5402.51	5312.84	5212.09
225.0	5604.00	5573.00	5542.56	5506.02	5445.69	5379.26	5265.23	5157.85	5034.96
270.0	5575.21	5607.87	5587.95	5554.73	5523.74	5455.10	5391.99	5276.31	5190.51
315.0	5613.96	5577.98	5546.98	5520.41	5460.63	5383.14	5275.75	5173.35	5061.53
360.0	5550.86	5516.54	5471.15	5404.17	5312.28	5233.68	5136.81	5026.66	4887.72

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	4749.89	4603.21	4452.64	4261.67	4102.26	3924.02	3677.14	3460.15	3190.58
45.0	4889.94	4767.05	4607.08	4462.61	4315.37	4119.97	3948.37	3751.87	3495.58
90.0	4738.82	4598.78	4416.66	4251.16	4087.31	3910.18	3669.39	3455.73	3240.95
135.0	4912.63	4782.00	4640.29	4448.77	4288.80	4107.79	3922.36	3669.39	3460.71
180.0	5068.73	4961.34	4839.57	4700.63	4509.10	4346.92	4170.34	3925.12	3721.42
225.0	4920.94	4755.98	4610.95	4448.77	4280.49	4055.76	3868.11	3664.96	3405.91
270.0	5039.39	4914.85	4789.75	4598.78	4431.06	4251.71	4075.69	3834.90	3637.84
315.0	4945.29	4789.75	4645.27	4448.22	4272.74	4092.29	3855.93	3653.34	3441.33
360.0	4749.89	4603.21	4452.64	4261.67	4102.26	3924.02	3677.14	3460.15	3190.58

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2965.29	2731.70	2504.75	2229.64	2021.51	1820.58	1622.97	1101.98	1101.98
45.0	3281.36	3060.50	2775.98	2549.59	2329.28	2118.38	1856.56	1652.86	1460.23
90.0	3013.45	2729.49	2501.43	2272.27	2004.35	1795.12	1555.44	1103.86	1103.86
135.0	3243.17	2957.54	2723.95	2488.14	2204.18	1988.30	1734.78	1540.49	1364.47
180.0	3504.99	3224.35	2985.77	2747.20	2463.24	2232.96	1993.28	1797.33	1549.90
225.0	3190.03	2897.76	2659.19	2429.47	2206.95	1937.93	1742.53	1559.31	1268.70
270.0	3419.75	3198.33	2910.49	2682.44	2458.81	2240.16	1977.23	1779.06	1549.90
315.0	3228.78	2937.62	2702.36	2475.41	2254.00	1989.96	1792.90	1605.81	1262.06
360.0	2965.29	2731.70	2504.75	2229.64	2021.51	1820.58	1622.97	1101.98	1101.98

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1063.29	913.45	746.89	632.58	507.37	420.36	344.24	267.30	217.32
45.0	1280.33	1081.06	936.03	803.18	654.28	552.98	440.06	364.78	299.46
90.0	1030.46	893.07	765.15	649.52	523.65	435.41	359.74	294.70	228.28
135.0	1206.71	1025.15	887.87	758.34	642.10	542.47	430.65	357.03	293.93
180.0	1388.82	1218.33	1077.18	911.12	771.63	644.87	519.22	426.78	334.89
225.0	1077.13	1041.75	902.15	768.47	615.70	510.08	419.91	325.37	263.10
270.0	1379.97	1217.78	1035.67	899.50	771.08	618.30	512.57	421.79	345.41
315.0	1075.52	1075.52	898.50	766.32	644.87	513.96	424.45	349.23	271.18
360.0	1063.29	913.45	746.89	632.58	507.37	420.36	344.24	267.30	217.32

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	176.63	143.26	110.60	91.11	76.22	65.48	55.91	50.26	45.67
45.0	285.07	220.25	148.62	120.39	98.53	78.66	67.25	58.56	52.36
90.0	185.16	150.12	121.50	94.27	78.21	63.99	56.02	50.15	44.62
135.0	293.93	177.85	143.86	110.76	91.00	72.96	62.55	55.08	49.49
180.0	285.07	285.07	171.93	131.30	107.39	89.01	75.11	62.00	54.69
225.0	210.68	159.20	128.09	98.97	82.42	70.24	61.17	52.70	47.66
270.0	281.75	281.75	171.98	139.33	107.77	89.17	74.78	61.66	54.36
315.0	220.42	179.12	145.64	118.90	93.22	77.83	66.31	56.07	50.21
360.0	176.63	143.26	110.60	91.11	76.22	65.48	55.91	50.26	45.67

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	41.07	37.97	35.37	32.71	30.89	29.28	27.62	26.46	25.46
45.0	46.33	42.57	39.41	35.98	33.60	31.66	29.61	28.17	26.68
90.0	41.13	38.08	35.54	32.82	31.00	29.34	27.95	26.46	25.41
135.0	44.17	40.80	37.92	35.32	32.60	30.83	29.23	27.46	26.35
180.0	49.15	44.84	40.52	37.75	35.32	32.71	30.94	29.39	27.68
225.0	43.62	40.35	36.87	34.60	32.55	30.39	28.89	27.51	26.07
270.0	48.82	43.45	40.13	37.20	34.15	32.11	30.33	28.78	27.01
315.0	45.56	41.02	37.92	34.71	32.55	30.72	29.06	27.23	26.07
360.0	41.07	37.97	35.37	32.71	30.89	29.28	27.62	26.46	25.46

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	24.36	23.64	22.92	22.36	21.53	21.03	20.59	20.15	19.60
45.0	25.63	24.80	23.97	23.03	22.42	21.81	21.31	20.70	20.20
90.0	24.47	23.53	22.81	22.14	21.42	20.92	20.54	19.93	19.48
135.0	25.24	24.13	23.30	22.64	21.81	21.31	20.81	20.37	19.76
180.0	26.51	25.19	24.24	23.47	22.81	21.98	21.37	20.87	20.43
225.0	25.08	24.24	23.25	22.64	21.98	21.37	20.76	20.37	19.87
270.0	25.85	24.91	23.97	22.97	22.36	21.70	21.03	20.59	20.04
315.0	25.08	23.97	23.14	22.53	21.92	21.15	20.65	20.26	19.65
360.0	24.36	23.64	22.92	22.36	21.53	21.03	20.59	20.15	19.60

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	19.21	18.76	18.27	17.88	17.44	17.10	16.72	16.38	15.94
45.0	19.76	19.26	18.88	18.49	17.93	17.60	17.27	16.83	16.44
90.0	19.15	18.65	18.27	17.93	17.55	17.05	16.72	16.44	16.11
135.0	19.32	19.04	18.65	18.16	17.82	17.49	16.99	16.66	16.22
180.0	19.82	19.37	18.99	18.65	18.16	17.82	17.44	16.99	16.66
225.0	19.37	18.99	18.60	18.21	17.77	17.44	16.99	16.61	16.27
270.0	19.60	19.15	18.82	18.32	17.93	17.60	17.33	16.88	16.55
315.0	19.26	18.93	18.38	17.99	17.66	17.33	16.94	16.55	16.22
360.0	19.21	18.76	18.27	17.88	17.44	17.10	16.72	16.38	15.94

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	15.67	15.39	15.17	14.78	14.50	14.17	13.84	13.51	13.23
45.0	16.16	15.83	15.44	15.11	14.89	14.61	14.17	13.89	13.62
90.0	15.72	15.39	15.06	14.72	14.45	14.00	13.73	13.40	13.12
135.0	16.00	15.61	15.28	15.00	14.72	14.39	13.95	13.67	13.40
180.0	16.27	15.94	15.67	15.33	15.00	14.67	14.39	14.00	13.62
225.0	16.00	15.55	15.28	15.00	14.72	14.28	13.95	13.62	13.28
270.0	16.16	15.83	15.50	15.22	14.89	14.61	14.17	13.89	13.56
315.0	15.94	15.55	15.28	15.00	14.61	14.34	14.06	13.67	13.34
360.0	15.67	15.39	15.17	14.78	14.50	14.17	13.84	13.51	13.23

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	12.84	12.62	12.29	11.96	11.79	11.51	11.24	11.07	10.85
45.0	13.17	12.90	12.51	12.23	11.96	11.68	11.46	11.18	11.02
90.0	12.73	12.40	12.18	11.96	11.73	11.51	11.29	11.07	10.90
135.0	13.06	12.68	12.40	12.07	11.85	11.62	11.40	11.18	10.96
180.0	13.40	12.95	12.62	12.29	12.07	11.73	11.51	11.35	11.07
225.0	12.95	12.62	12.34	12.07	11.79	11.57	11.40	11.13	10.85
270.0	13.28	12.90	12.62	12.34	12.07	11.79	11.51	11.35	11.07
315.0	12.95	12.73	12.45	12.18	11.96	11.73	11.46	11.24	11.02
360.0	12.84	12.62	12.29	11.96	11.79	11.51	11.24	11.07	10.85

Intensity data(cd)

C/γ(°)	90.0
0.0	10.90
45.0	10.90
90.0	10.90
135.0	10.96
180.0	10.90
225.0	10.85
270.0	10.85
315.0	10.85
360.0	10.90