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NATA

Client:
LumCAT: 1-1381-L
Luminaire: 92.70.410.00
Report No: 2023626-B014
Ballast type: AC

Test No: 2023626-C014	Voltage(V): 35.220
LampCAT: FORTIMO SLM C 1203	Current(A): 0.282
Lamp flux(lm): 1100.8	Power (W): 9.932
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 1029.85, Efficiency(%): 93.56% , Luminous Efficacy(lm/W): 103.69
Central intensity(cd): 4873.829, Maximum intensity(cd): 4873.829
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=18.0
[C90/270]Total=18.0
Field angle(10%Imax): [C0/180]Total=50.6
[C90/270]Total=50.6
Maximum s/h(1/2): C0_180=0.31 C90_270=0.31
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(%): 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 : 97.907%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	4873.829	0.000	0	0.00%	0.00%
1.0	4827.194	4.642	4.642	0.42%	0.45%
2.0	4689.502	13.659	18.301	1.24%	1.78%
3.0	4477.982	21.926	40.227	1.99%	3.91%
4.0	4182.186	28.988	69.215	2.63%	6.72%
5.0	3847.712	34.544	103.759	3.14%	10.08%
6.0	3485.007	38.535	142.295	3.50%	13.82%
7.0	3101.476	40.882	183.177	3.71%	17.79%
8.0	2766.518	41.996	225.173	3.82%	21.86%
9.0	2444.290	42.231	267.404	3.84%	25.97%
10.0	2171.536	41.772	309.175	3.79%	30.02%
11.0	1927.911	40.962	350.137	3.72%	34.00%
12.0	1739.570	40.091	390.228	3.64%	37.89%
13.0	1566.797	39.238	429.466	3.56%	41.70%
14.0	1406.341	38.056	467.522	3.46%	45.40%
15.0	1267.943	36.714	504.236	3.34%	48.96%
16.0	1164.557	35.643	539.879	3.24%	52.42%
17.0	1062.153	34.676	574.555	3.15%	55.79%
18.0	982.063	33.705	608.259	3.06%	59.06%
19.0	900.741	32.757	641.016	2.98%	62.24%
20.0	821.323	31.519	672.535	2.86%	65.30%
21.0	747.191	30.119	702.653	2.74%	68.23%
22.0	679.009	28.660	731.313	2.60%	71.01%
23.0	617.352	27.201	758.515	2.47%	73.65%
24.0	553.571	25.601	784.115	2.33%	76.14%
25.0	504.050	24.048	808.163	2.18%	78.47%
26.0	456.411	22.672	830.835	2.06%	80.68%
27.0	408.856	21.169	852.004	1.92%	82.73%
28.0	364.912	19.590	871.594	1.78%	84.63%
29.0	323.915	18.022	889.616	1.64%	86.38%
30.0	285.479	16.454	906.069	1.49%	87.98%
31.0	242.255	14.686	920.755	1.33%	89.41%
32.0	202.546	12.743	933.498	1.16%	90.64%
33.0	158.484	10.636	944.134	0.97%	91.68%
34.0	114.174	8.251	952.386	0.75%	92.48%
35.0	87.113	6.251	958.637	0.57%	93.08%
36.0	69.040	4.972	963.609	0.45%	93.57%
37.0	55.610	4.065	967.674	0.37%	93.96%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	48.102	3.462	971.136	0.31%	94.30%
39.0	42.761	3.101	974.238	0.28%	94.60%
40.0	38.042	2.818	977.056	0.26%	94.87%
41.0	34.340	2.577	979.633	0.23%	95.12%
42.0	30.811	2.367	982	0.22%	95.35%
43.0	28.147	2.184	984.184	0.20%	95.57%
44.0	25.532	2.026	986.21	0.18%	95.76%
45.0	23.498	1.884	988.094	0.17%	95.95%
46.0	21.747	1.769	989.864	0.16%	96.12%
47.0	20.031	1.662	991.525	0.15%	96.28%
48.0	18.737	1.567	993.093	0.14%	96.43%
49.0	17.540	1.490	994.582	0.14%	96.58%
50.0	16.544	1.421	996.003	0.13%	96.71%
51.0	15.644	1.362	997.365	0.12%	96.85%
52.0	14.952	1.313	998.678	0.12%	96.97%
53.0	14.371	1.276	999.954	0.12%	97.10%
54.0	13.797	1.242	1001.195	0.11%	97.22%
55.0	13.409	1.214	1002.41	0.11%	97.34%
56.0	13.063	1.196	1003.606	0.11%	97.45%
57.0	12.814	1.183	1004.789	0.11%	97.57%
58.0	12.634	1.177	1005.966	0.11%	97.68%
59.0	12.399	1.170	1007.136	0.11%	97.79%
60.0	12.157	1.160	1008.297	0.11%	97.91%
61.0	11.811	1.144	1009.44	0.10%	98.02%
62.0	11.375	1.117	1010.558	0.10%	98.13%
63.0	10.822	1.080	1011.637	0.10%	98.23%
64.0	10.240	1.034	1012.671	0.09%	98.33%
65.0	9.680	0.986	1013.656	0.09%	98.43%
66.0	9.126	0.938	1014.595	0.09%	98.52%
67.0	8.635	0.893	1015.488	0.08%	98.61%
68.0	8.158	0.851	1016.339	0.08%	98.69%
69.0	7.791	0.814	1017.152	0.07%	98.77%
70.0	7.424	0.781	1017.934	0.07%	98.84%
71.0	7.168	0.754	1018.688	0.07%	98.92%
72.0	6.919	0.733	1019.42	0.07%	98.99%
73.0	6.684	0.711	1020.132	0.06%	99.06%
74.0	6.490	0.693	1020.824	0.06%	99.12%
75.0	6.296	0.676	1021.5	0.06%	99.19%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	6.110	0.659	1022.158	0.06%	99.25%
77.0	5.909	0.641	1022.799	0.06%	99.32%
78.0	5.736	0.623	1023.423	0.06%	99.38%
79.0	5.577	0.608	1024.03	0.06%	99.43%
80.0	5.418	0.593	1024.623	0.05%	99.49%
81.0	5.259	0.577	1025.201	0.05%	99.55%
82.0	5.134	0.564	1025.764	0.05%	99.60%
83.0	4.982	0.550	1026.314	0.05%	99.66%
84.0	4.843	0.535	1026.849	0.05%	99.71%
85.0	4.726	0.522	1027.372	0.05%	99.76%
86.0	4.615	0.511	1027.882	0.05%	99.81%
87.0	4.560	0.502	1028.384	0.05%	99.86%
88.0	4.484	0.495	1028.88	0.05%	99.91%
89.0	4.414	0.488	1029.367	0.04%	99.95%
90.0	4.442	0.486	1029.853	0.04%	100.00%

Zonal flux distribution table

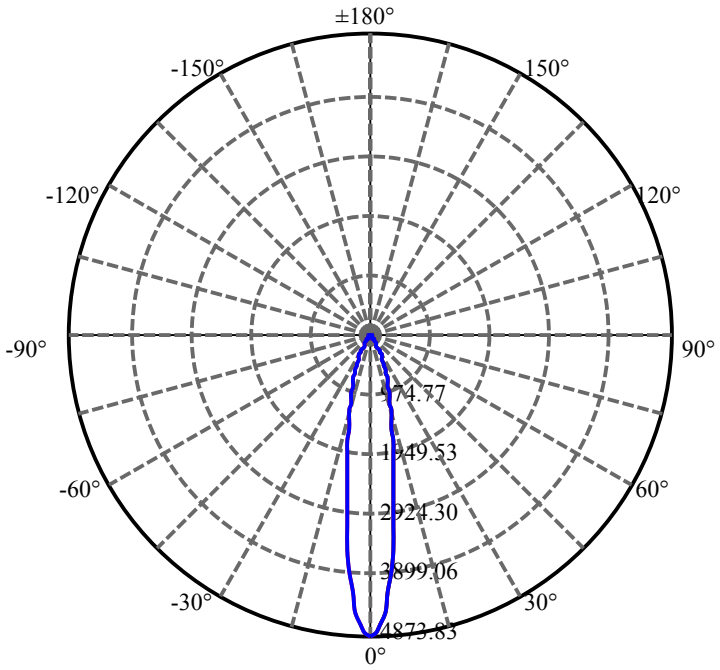
ZONAL LUMEN SUMMARY

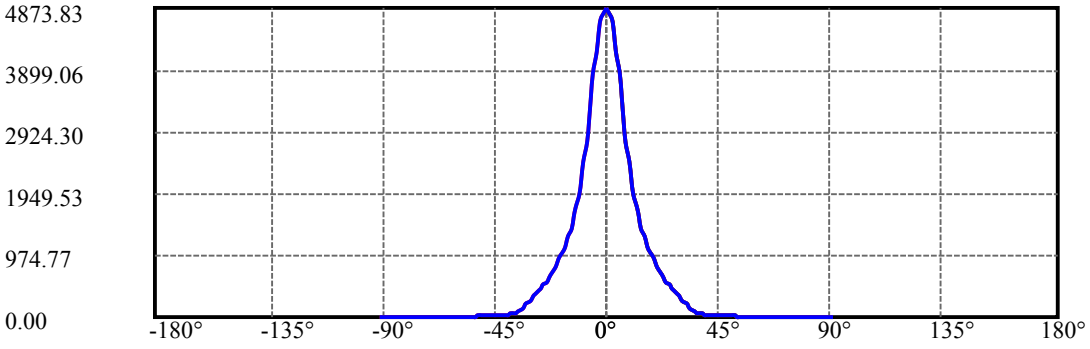
Zone	Lumens	%Lamp	%Fixt
0-30	906.07	82.31%	87.98%
0-40	977.06	88.76%	94.87%
0-60	1008.30	91.60%	97.91%
0-90	1029.37	93.51%	99.95%
0-120	1029.37	93.51%	99.95%
0-180	1029.85	93.56%	100.00%
60-90	21.07	1.91%	2.05%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-25.69	823.88	74.84%	80.00%

ZONAL LUMEN SUMMARY

0-10	309.18
10-20	363.36
20-30	233.53
30-40	70.99
40-50	18.95
50-60	12.29
60-70	9.64
70-80	6.69
80-90	4.74
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):

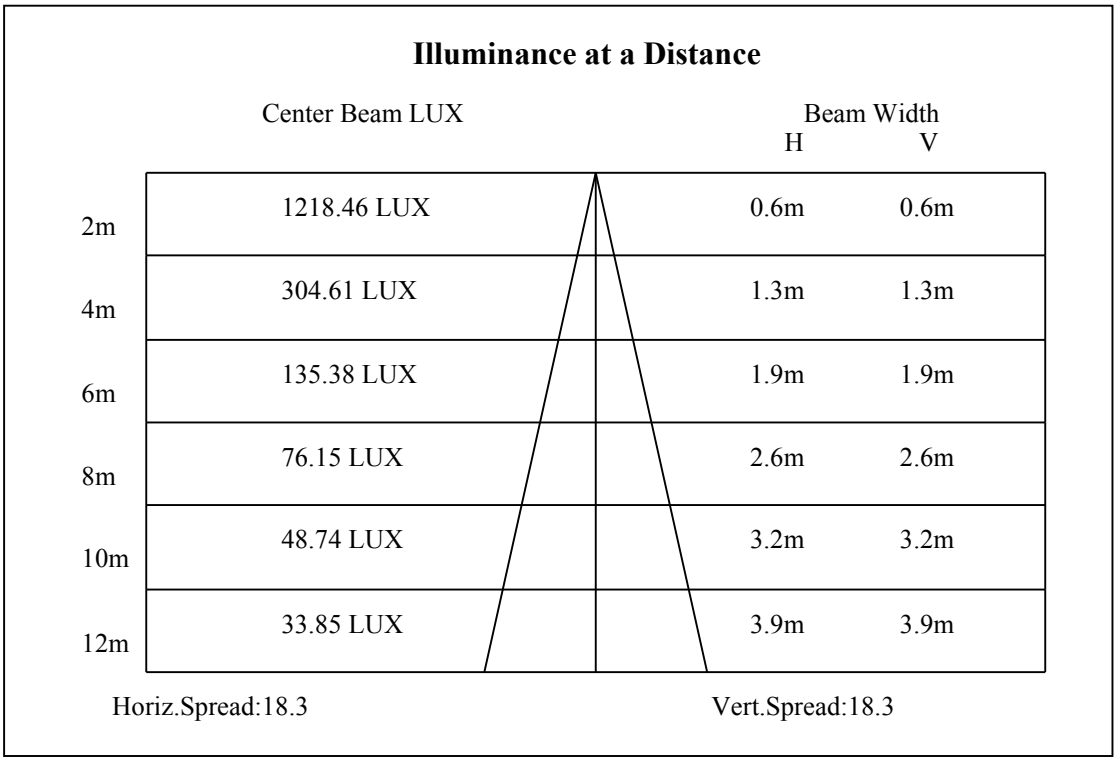
C0/C180:

C90/C270:

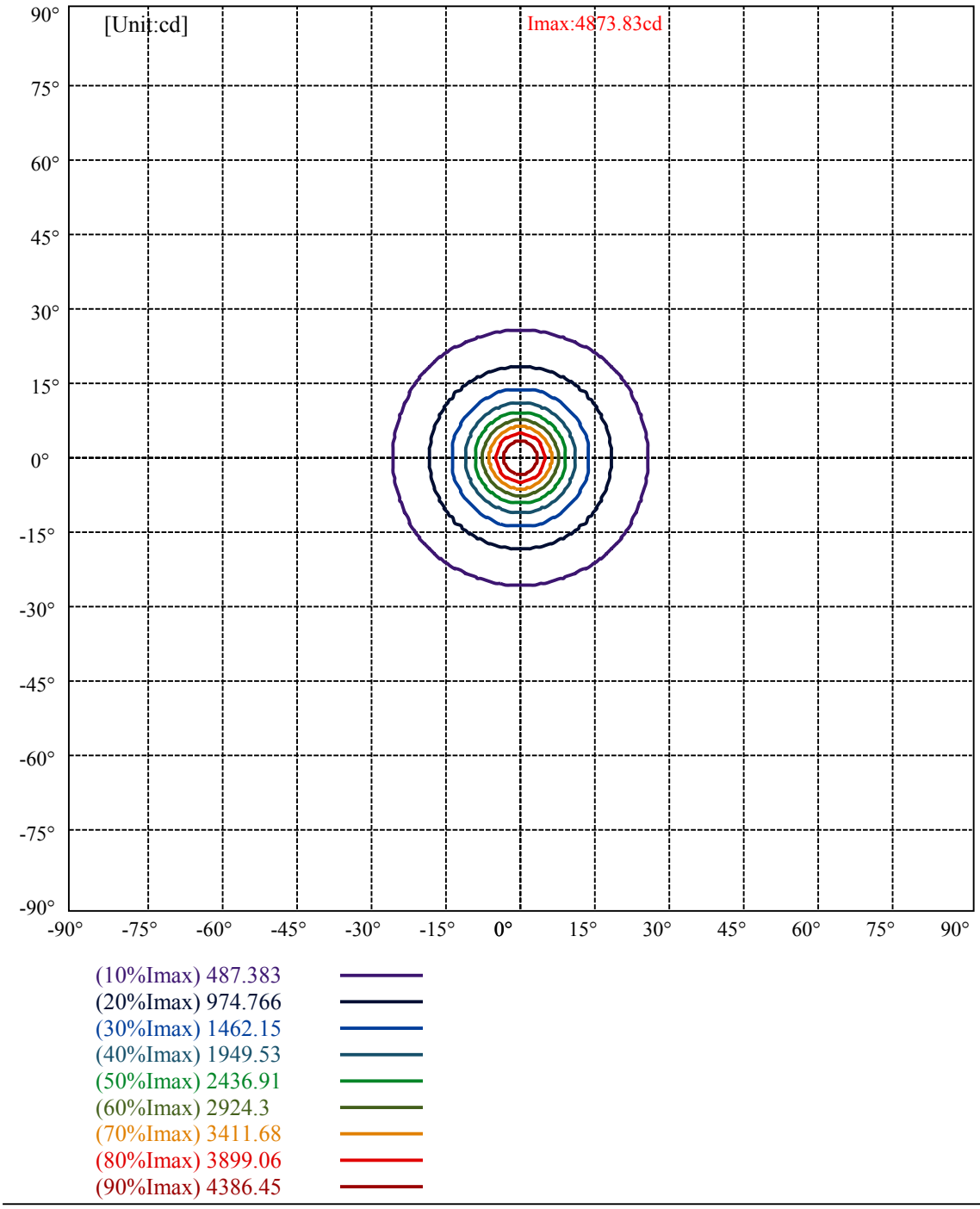
Field angle(10%Imax):C0/180Left:25.3 Right:25.3
:C90/270Left:25.3 Right:25.3

Beam Angle(50%Imax):C0/180Left:9.0 Right:9.0
:C90/270Left:9.0 Right:9.0

Lux distance Curve



ISO-Intensity(V-H)

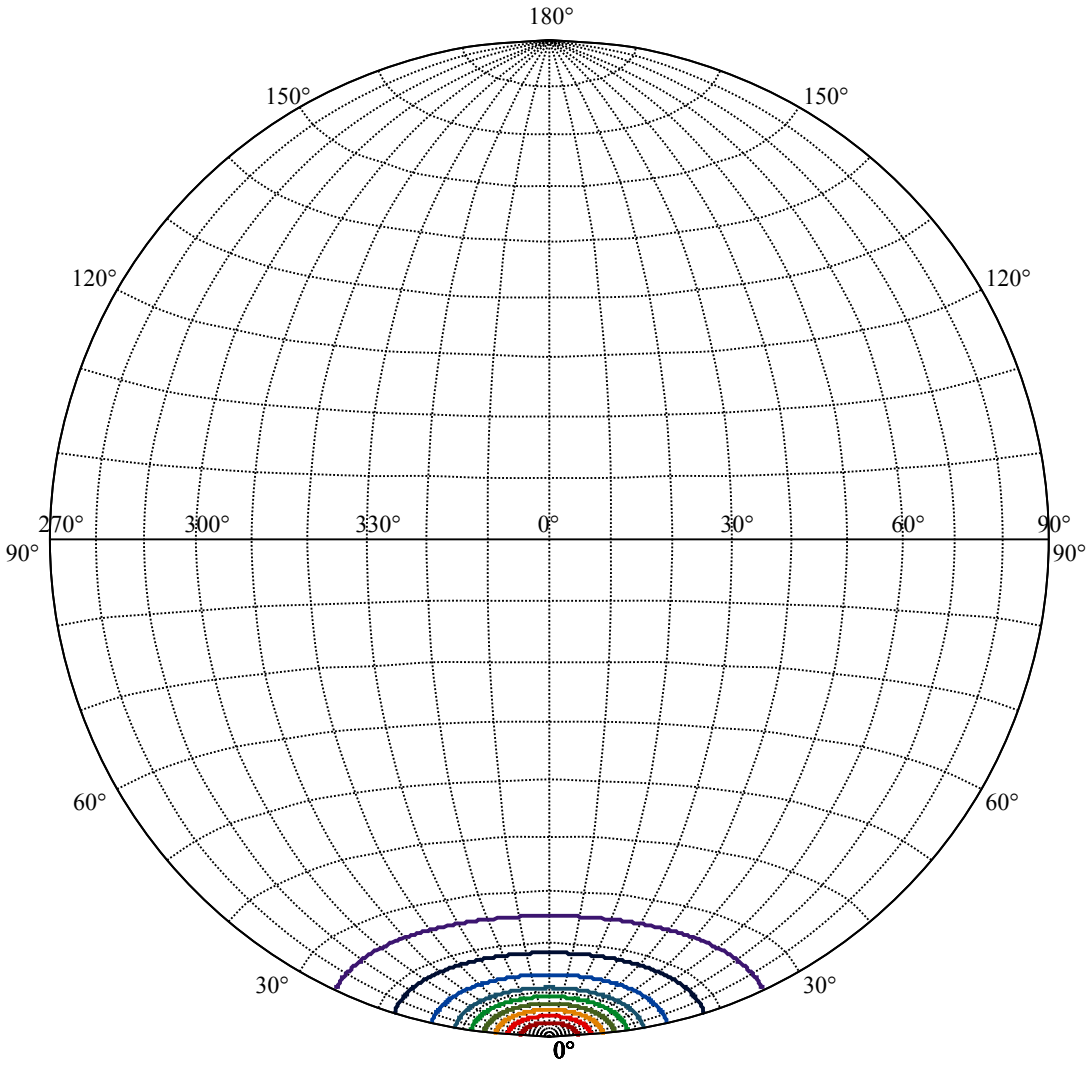


Equipment: GMS1980
Temperature(°C): 25.0

Date: 2023/6/26
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.44

ISO candela diagram on circular web



House [Unit:cd] Road

Imax:4873.83

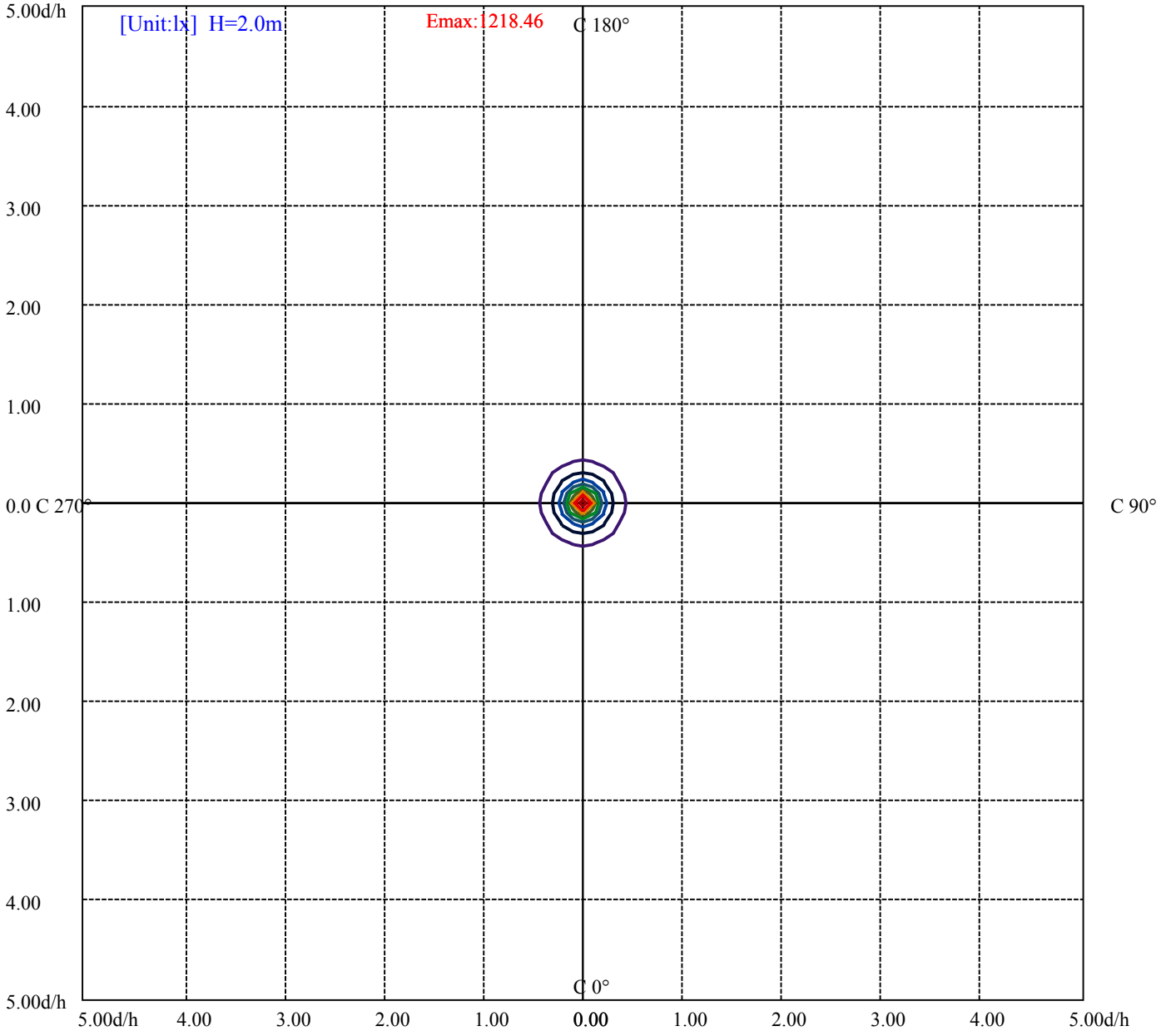
(10%Imax) 487.383
(20%Imax) 974.766
(30%Imax) 1462.15
(40%Imax) 1949.53
(50%Imax) 2436.91
(60%Imax) 2924.3
(70%Imax) 3411.68
(80%Imax) 3899.06
(90%Imax) 4386.45

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2023/6/26
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.44

ISO illuminance diagram



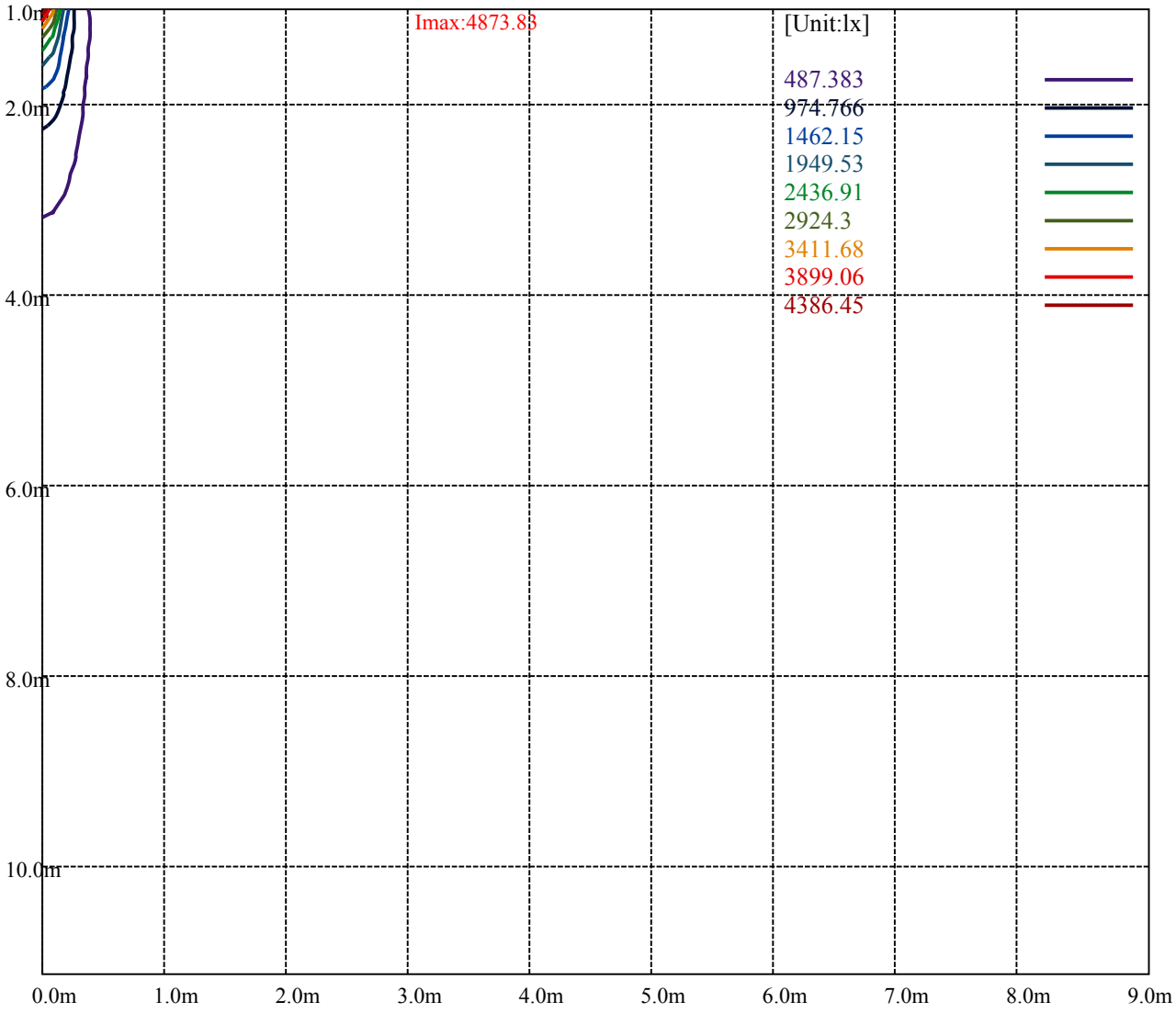
(10%Emax) 121.8455
(20%Emax) 243.691
(30%Emax) 365.5375
(40%Emax) 487.3825
(50%Emax) 609.2275
(60%Emax) 731.0725
(70%Emax) 852.92
(80%Emax) 974.765
(90%Emax) 1096.61

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2023/6/26
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.44

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 25.0

Date: 2023/6/26
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.44

Luminance Limitting Curve(no luminous side)

Luminance Table

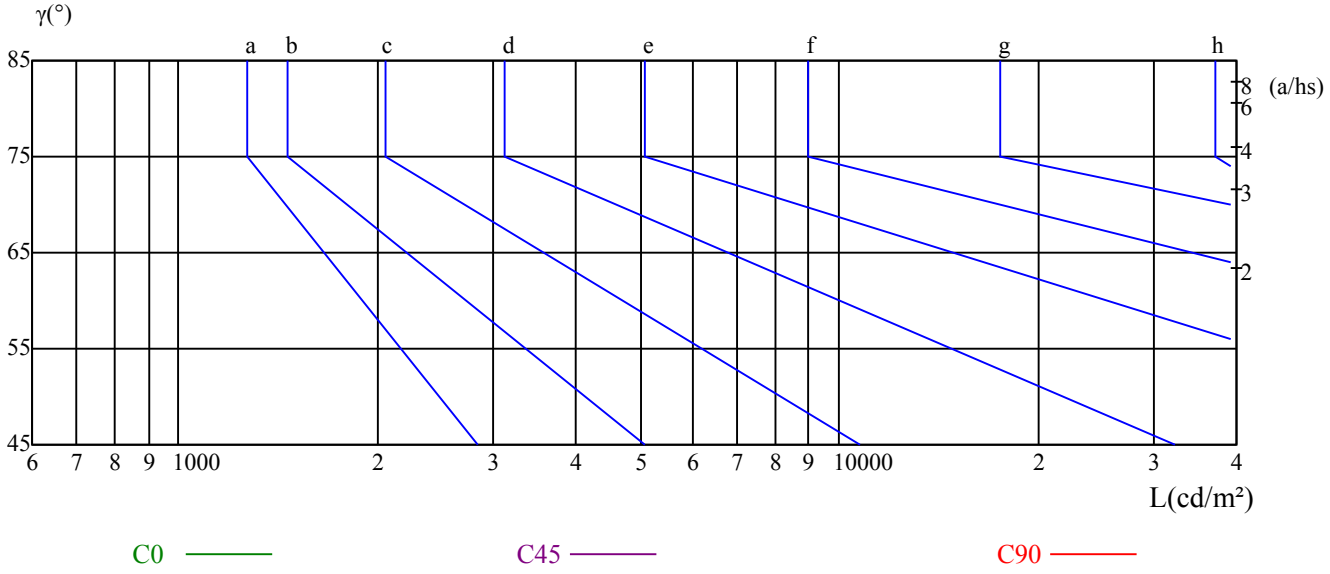
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

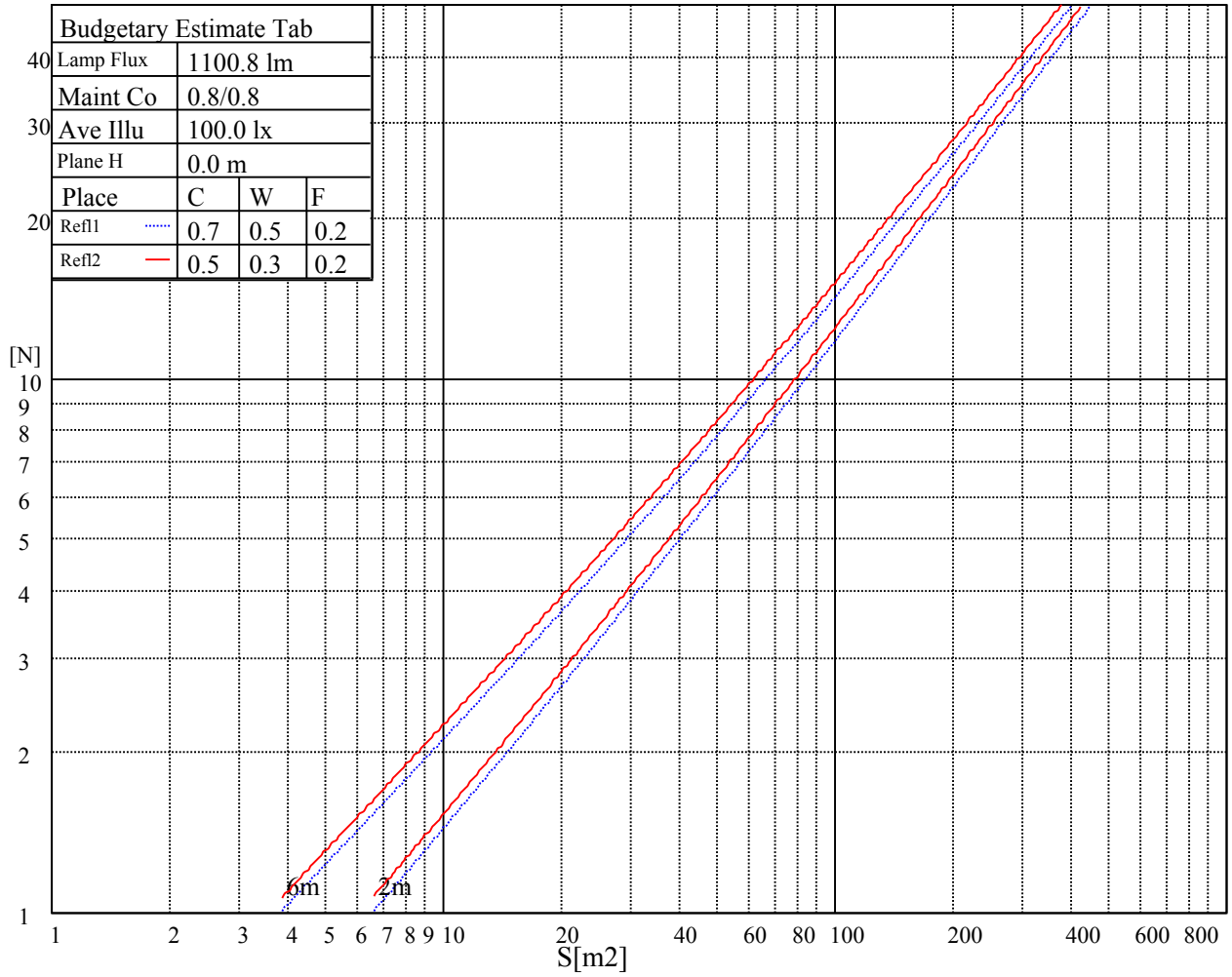
Luminance Limitting Curve



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

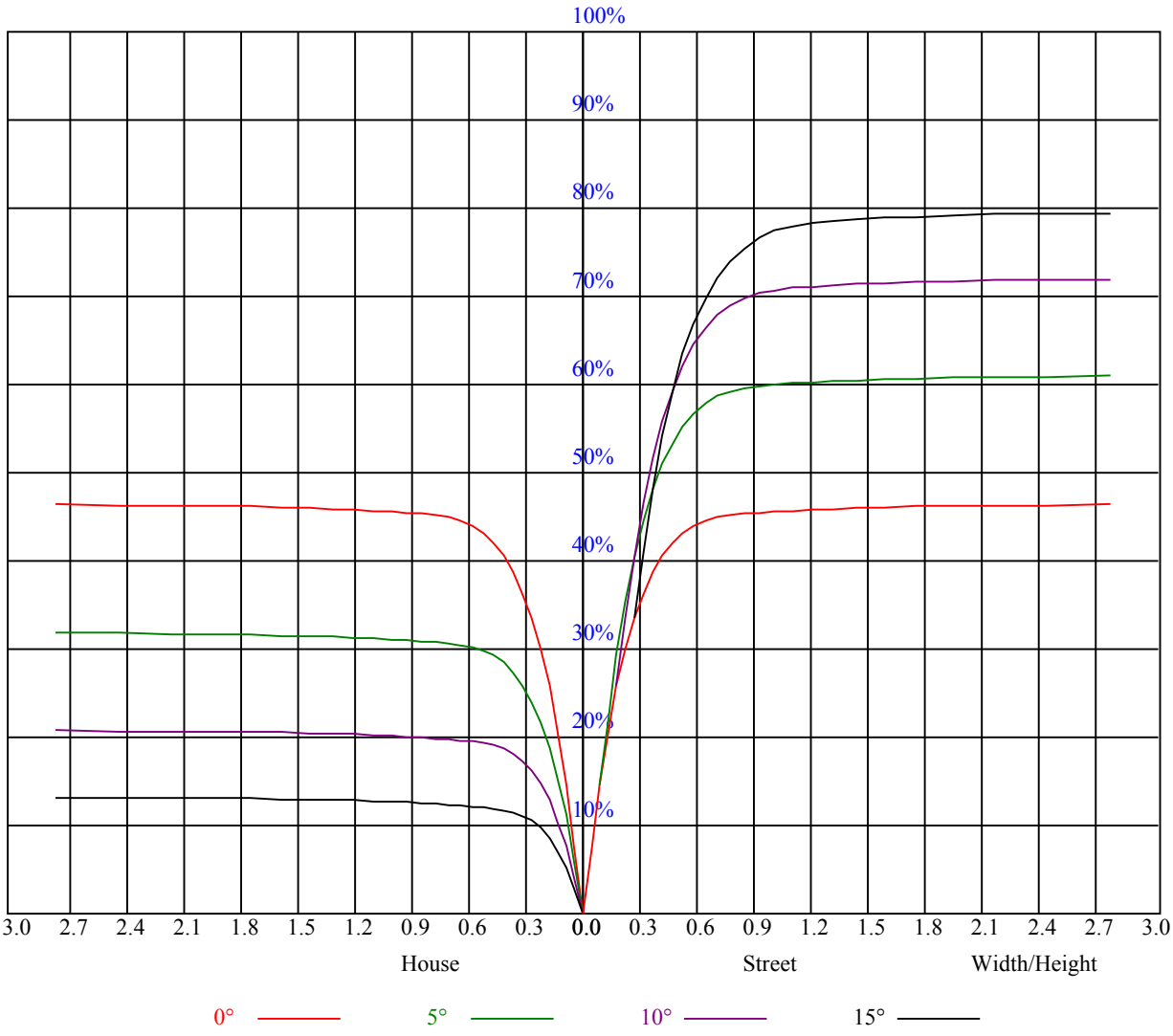


Equipment: GMS1980 Date: 2023/6/26 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.44

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	1.05	1.02	1.01	1.03	1.01	0.99	0.99	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.90	0.89
2	0.99	0.96	0.93	0.97	0.94	0.92	0.94	0.92	0.90	0.91	0.90	0.88	0.89	0.87	0.86	0.85
3	0.94	0.90	0.87	0.92	0.89	0.86	0.90	0.87	0.85	0.88	0.85	0.83	0.86	0.84	0.82	0.81
4	0.89	0.85	0.82	0.88	0.84	0.81	0.86	0.83	0.80	0.85	0.82	0.79	0.83	0.81	0.79	0.77
5	0.85	0.81	0.78	0.85	0.80	0.77	0.83	0.79	0.77	0.82	0.78	0.76	0.80	0.78	0.75	0.74
6	0.82	0.77	0.74	0.81	0.77	0.74	0.80	0.76	0.73	0.79	0.75	0.73	0.78	0.75	0.73	0.71
7	0.79	0.74	0.71	0.78	0.74	0.71	0.77	0.73	0.71	0.76	0.73	0.70	0.75	0.72	0.70	0.69
8	0.76	0.71	0.68	0.75	0.71	0.68	0.74	0.71	0.68	0.74	0.70	0.68	0.73	0.70	0.67	0.66
9	0.73	0.69	0.66	0.73	0.69	0.66	0.72	0.68	0.66	0.71	0.68	0.65	0.70	0.67	0.65	0.64
10	0.71	0.66	0.64	0.70	0.66	0.64	0.70	0.66	0.63	0.69	0.66	0.63	0.68	0.65	0.63	0.62

Coefficient Utilization Curve



Equipment: GMS1980	Date: 2023/6/26	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	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	4984.54	4952.43	4827.33	4630.83	4289.30	3962.71	3513.24	3151.23	2806.37
45.0	4884.90	4896.52	4819.58	4671.23	4360.70	4055.70	3626.16	3271.90	2930.36
90.0	4759.80	4578.79	4261.06	3946.66	3598.48	3246.43	2911.54	2527.94	2260.03
135.0	4866.08	4712.75	4485.80	4112.16	3772.29	3409.73	3049.37	2637.54	2351.92
180.0	4984.54	4902.61	4747.07	4517.35	4240.58	3828.20	3461.76	3096.98	2671.31
225.0	4884.90	4757.03	4570.49	4325.83	4037.44	3620.07	3271.90	2923.17	2600.46
270.0	4759.80	4872.72	4878.81	4797.44	4595.95	4357.93	4059.02	3653.28	3311.75
315.0	4866.08	4944.68	4925.86	4822.35	4562.74	4300.92	3987.06	3549.77	3199.94
360.0	4984.54	4952.43	4827.33	4630.83	4289.30	3962.71	3513.24	3151.23	2806.37

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	2413.36	2147.66	1924.59	1741.37	1549.85	1419.21	1221.60	1091.19	1069.60
45.0	2547.32	2270.55	2033.64	1795.06	1636.20	1490.62	1361.64	1221.05	1121.41
90.0	2028.10	1837.68	1628.45	1486.19	1329.54	1092.07	1092.07	1002.07	922.63
135.0	2105.04	1852.63	1682.69	1533.24	1368.84	1249.83	1144.10	1031.18	949.26
180.0	2376.27	2121.09	1858.16	1691.00	1505.01	1376.59	1263.11	1161.82	1050.00
225.0	2257.26	2025.89	1787.87	1624.57	1483.97	1326.22	1091.96	1091.96	1024.76
270.0	2970.77	2654.70	2304.87	2067.40	1868.13	1699.30	1512.20	1382.12	1266.99
315.0	2856.19	2462.07	2203.02	1977.73	1792.85	1596.90	1456.85	1335.07	1092.57
360.0	2413.36	2147.66	1924.59	1741.37	1549.85	1419.21	1221.60	1091.19	1069.60

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	987.73	911.62	839.16	756.85	691.86	629.65	556.91	509.14	457.05
45.0	1032.29	951.47	858.48	788.18	705.70	640.39	581.71	519.71	478.20
90.0	847.85	762.27	696.51	632.19	573.46	511.02	470.28	427.99	383.71
135.0	872.32	800.91	721.20	659.21	597.21	542.41	484.29	443.33	400.15
180.0	964.20	888.92	816.96	734.49	672.49	609.94	536.87	494.81	449.97
225.0	922.08	845.69	779.77	714.39	637.78	580.66	527.63	481.80	428.82
270.0	1137.46	1042.25	934.87	860.69	789.84	723.42	645.37	588.35	535.21
315.0	1092.57	1002.79	923.63	831.52	763.71	701.33	625.50	567.26	518.17
360.0	987.73	911.62	839.16	756.85	691.86	629.65	556.91	509.14	457.05

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	415.21	374.47	332.68	278.98	236.75	196.28	157.43	114.31	87.57
45.0	434.47	388.53	335.94	294.43	283.91	283.91	162.52	127.92	97.42
90.0	330.46	290.33	249.04	199.72	162.13	129.42	92.00	69.58	54.74
135.0	344.80	303.28	283.36	283.36	170.66	135.01	96.20	72.46	58.23
180.0	401.81	360.85	318.23	284.46	284.46	174.70	134.95	96.32	73.84
225.0	388.03	335.06	294.04	253.41	203.31	165.45	130.25	92.22	68.80
270.0	489.27	441.11	395.72	350.89	309.37	289.44	289.44	172.98	131.80
315.0	466.80	425.67	382.33	338.60	287.45	246.16	205.09	167.61	124.49
360.0	415.21	374.47	332.68	278.98	236.75	196.28	157.43	114.31	87.57

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	68.36	54.69	48.88	44.06	38.69	34.71	30.56	27.79	25.46
45.0	74.12	57.90	51.20	46.05	40.19	36.09	31.66	28.95	26.57
90.0	49.04	44.34	39.80	34.71	31.27	28.51	26.07	23.97	21.64
135.0	50.81	45.22	40.85	36.64	33.05	29.39	26.85	24.63	22.36
180.0	58.07	49.71	45.11	40.02	36.20	32.88	29.34	26.85	24.30
225.0	54.47	46.94	42.68	38.19	34.76	31.50	28.06	25.91	23.91
270.0	101.74	72.29	57.73	50.10	44.17	40.02	36.31	32.94	29.56
315.0	95.71	73.79	58.56	52.31	46.00	41.63	37.64	34.15	30.44
360.0	68.36	54.69	48.88	44.06	38.69	34.71	30.56	27.79	25.46

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	23.47	21.31	19.76	18.43	17.27	16.22	15.44	14.78	14.17
45.0	23.97	22.20	20.65	19.43	18.21	16.94	16.27	15.44	14.72
90.0	20.04	18.60	17.16	16.33	15.39	14.56	13.95	13.56	13.12
135.0	20.81	19.43	17.82	16.77	15.78	14.95	14.23	13.78	13.40
180.0	22.64	21.15	19.48	18.21	17.16	16.44	15.50	14.83	14.39
225.0	21.81	20.26	18.54	17.33	16.44	15.78	14.83	14.17	13.78
270.0	27.34	25.24	23.41	21.75	19.93	18.71	17.44	16.50	15.72
315.0	27.90	25.79	23.41	21.64	20.15	18.76	17.49	16.55	15.67
360.0	23.47	21.31	19.76	18.43	17.27	16.22	15.44	14.78	14.17

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	13.56	13.17	12.73	12.57	12.51	12.23	11.96	11.73	11.24
45.0	14.17	13.78	13.17	12.90	12.79	12.45	12.12	11.90	11.57
90.0	12.68	12.45	12.34	12.12	11.90	11.62	11.46	10.79	10.30
135.0	13.01	12.68	12.51	12.34	12.18	11.90	11.62	11.13	10.46
180.0	14.06	13.56	13.23	13.12	12.90	12.68	12.40	12.12	11.57
225.0	13.34	12.90	12.68	12.62	12.57	12.34	12.12	11.79	11.29
270.0	14.78	14.39	14.06	13.56	13.23	13.17	13.06	12.79	12.57
315.0	14.78	14.34	13.78	13.28	13.01	12.79	12.51	12.23	12.01
360.0	13.56	13.17	12.73	12.57	12.51	12.23	11.96	11.73	11.24

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	10.68	10.19	9.63	9.13	8.58	8.14	7.75	7.36	7.14
45.0	11.02	10.46	9.96	9.35	8.86	8.41	8.08	7.64	7.36
90.0	9.69	9.19	8.75	8.25	7.86	7.53	7.14	6.92	6.75
135.0	9.85	9.24	8.75	8.25	7.86	7.53	7.31	6.97	6.75
180.0	10.96	10.30	9.69	9.13	8.58	8.19	7.80	7.47	7.31
225.0	10.52	9.96	9.35	8.80	8.30	7.80	7.47	7.20	6.92
270.0	12.23	11.62	10.90	10.30	9.69	8.97	8.52	7.97	7.64
315.0	11.62	10.96	10.41	9.80	9.35	8.69	8.25	7.86	7.47
360.0	10.68	10.19	9.63	9.13	8.58	8.14	7.75	7.36	7.14

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	6.92	6.64	6.48	6.25	6.03	5.92	5.76	5.59	5.42
45.0	7.09	6.81	6.59	6.42	6.20	6.03	5.92	5.70	5.54
90.0	6.53	6.31	6.14	5.98	5.81	5.59	5.42	5.31	5.15
135.0	6.59	6.42	6.20	6.03	5.87	5.65	5.48	5.31	5.15
180.0	6.97	6.75	6.59	6.37	6.20	5.98	5.76	5.59	5.42
225.0	6.75	6.53	6.37	6.20	5.98	5.81	5.65	5.48	5.37
270.0	7.36	7.14	6.86	6.64	6.48	6.25	6.03	5.87	5.70
315.0	7.14	6.86	6.70	6.48	6.31	6.03	5.87	5.76	5.59
360.0	6.92	6.64	6.48	6.25	6.03	5.92	5.76	5.59	5.42

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	5.26	5.15	4.98	4.87	4.76	4.65	4.59	4.48	4.54
45.0	5.42	5.20	5.09	4.93	4.76	4.71	4.59	4.54	4.59
90.0	5.04	4.93	4.76	4.65	4.54	4.48	4.48	4.32	4.37
135.0	5.04	4.87	4.71	4.65	4.54	4.43	4.48	4.26	4.26
180.0	5.26	5.15	5.04	4.87	4.71	4.59	4.54	4.59	4.32
225.0	5.20	5.15	4.98	4.82	4.76	4.59	4.54	4.59	4.37
270.0	5.48	5.37	5.20	5.04	4.93	4.76	4.65	4.54	4.48
315.0	5.37	5.26	5.09	4.93	4.82	4.71	4.59	4.54	4.37
360.0	5.26	5.15	4.98	4.87	4.76	4.65	4.59	4.48	4.54

Intensity data(cd)

C/γ(°)	90.0
0.0	4.37
45.0	4.37
90.0	4.43
135.0	4.37
180.0	4.48
225.0	4.48
270.0	4.54
315.0	4.48
360.0	4.37