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Nata

LumCAT: LN01D05024DA-N
Luminaire: 97.70.234.00
Report No: 200415-B015
Test No: 200415-C015
LampCAT: LUMINUS CXM-6-AC40
Lamp flux(lm): 1177.5
Number of Lamps: 1
Length(mm): 0
Phm Type: C

Voltage(V): 36.3900
Current(A): 0.2740
Power (W): 9.9710
PF: 0.0000
Ballast type: DC
Width(mm): 0
Height(mm): 0

Photometric Results

Lumens(lm): 1037.20
Efficiency(%): 88.09%
Lumens(lm)/Power(W): 104.02
Central intensity(cd): 4584.515
Maximum intensity(cd): 4584.515
Angle of maximum intensity: C=0.0 γ =0.0
Beam Angle(50%Imax): [C0/180]Total=25.1
 [C90/270]Total=25.1
Field angle(10%Imax): [C0/180]Total=42.5
 [C90/270]Total=42.5
Maximum s/h(1/2): C0_180=0.43 C90_270=0.43
Maximum s/h(1/4): C0_180=0.41 C90_270=0.41
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 88.09%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 96.590%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	4584.516	0.000	0	.000%	.000%
1.0	4572.984	4.382	4.382	.372%	.422%
2.0	4528.617	13.063	17.445	1.109%	1.682%
3.0	4455.984	21.488	38.933	1.825%	3.754%
4.0	4364.438	29.525	68.458	2.508%	6.600%
5.0	4226.977	36.960	105.418	3.139%	10.164%
6.0	4050.281	43.499	148.917	3.694%	14.358%
7.0	3856.008	49.074	197.991	4.168%	19.089%
8.0	3626.578	53.551	251.543	4.548%	24.252%
9.0	3352.500	56.562	308.104	4.804%	29.705%
10.0	3071.391	58.134	366.238	4.937%	35.310%
11.0	2767.922	58.347	424.585	4.955%	40.936%
12.0	2463.750	57.190	481.775	4.857%	46.450%
13.0	2153.883	54.800	536.574	4.654%	51.733%
14.0	1851.258	51.265	587.84	4.354%	56.676%
15.0	1585.336	47.179	635.019	4.007%	61.224%
16.0	1305.260	42.355	677.374	3.597%	65.308%
17.0	1102.155	37.490	714.864	3.184%	68.923%
18.0	903.867	33.075	747.939	2.809%	72.111%
19.0	751.289	28.796	776.735	2.446%	74.888%
20.0	600.145	24.735	801.47	2.101%	77.273%
21.0	480.319	20.747	822.218	1.762%	79.273%
22.0	394.924	17.588	839.806	1.494%	80.969%
23.0	318.199	14.963	854.769	1.271%	82.411%
24.0	266.941	12.793	867.562	1.087%	83.645%
25.0	218.461	11.037	878.599	.937%	84.709%
26.0	182.742	9.470	888.07	.804%	85.622%
27.0	156.417	8.298	896.368	.705%	86.422%
28.0	137.152	7.433	903.8	.631%	87.138%
29.0	121.001	6.754	910.554	.574%	87.790%
30.0	108.176	6.188	916.742	.526%	88.386%
31.0	97.460	5.723	922.464	.486%	88.938%
32.0	88.207	5.319	927.783	.452%	89.451%
33.0	80.684	4.976	932.759	.423%	89.931%
34.0	74.152	4.686	937.445	.398%	90.382%
35.0	68.098	4.418	941.863	.375%	90.808%
36.0	62.810	4.168	946.031	.354%	91.210%
37.0	58.605	3.960	949.991	.336%	91.592%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	54.408	3.772	953.763	.320%	91.956%
39.0	50.273	3.573	957.336	.303%	92.300%
40.0	47.060	3.395	960.731	.288%	92.627%
41.0	43.819	3.236	963.967	.275%	92.939%
42.0	40.613	3.068	967.034	.261%	93.235%
43.0	37.849	2.906	969.941	.247%	93.515%
44.0	35.191	2.757	972.697	.234%	93.781%
45.0	32.625	2.606	975.304	.221%	94.032%
46.0	30.368	2.464	977.767	.209%	94.270%
47.0	28.125	2.326	980.094	.198%	94.494%
48.0	26.107	2.192	982.286	.186%	94.706%
49.0	24.335	2.071	984.357	.176%	94.905%
50.0	22.493	1.952	986.31	.166%	95.094%
51.0	21.002	1.840	988.15	.156%	95.271%
52.0	19.821	1.752	989.902	.149%	95.440%
53.0	18.591	1.671	991.573	.142%	95.601%
54.0	17.663	1.598	993.171	.136%	95.755%
55.0	16.910	1.543	994.714	.131%	95.904%
56.0	16.221	1.497	996.211	.127%	96.048%
57.0	15.602	1.455	997.666	.124%	96.188%
58.0	15.089	1.419	999.085	.121%	96.325%
59.0	14.611	1.388	1000.474	.118%	96.459%
60.0	14.126	1.358	1001.831	.115%	96.590%
61.0	13.711	1.328	1003.16	.113%	96.718%
62.0	13.331	1.303	1004.463	.111%	96.844%
63.0	12.966	1.279	1005.742	.109%	96.967%
64.0	12.586	1.254	1006.996	.106%	97.088%
65.0	12.263	1.230	1008.225	.104%	97.206%
66.0	11.960	1.209	1009.434	.103%	97.323%
67.0	11.665	1.188	1010.622	.101%	97.438%
68.0	11.377	1.167	1011.789	.099%	97.550%
69.0	11.081	1.146	1012.935	.097%	97.661%
70.0	10.835	1.126	1014.06	.096%	97.769%
71.0	10.786	1.117	1015.178	.095%	97.877%
72.0	11.405	1.154	1016.332	.098%	97.988%
73.0	12.263	1.238	1017.569	.105%	98.107%
74.0	13.317	1.345	1018.914	.114%	98.237%
75.0	14.562	1.473	1020.387	.125%	98.379%

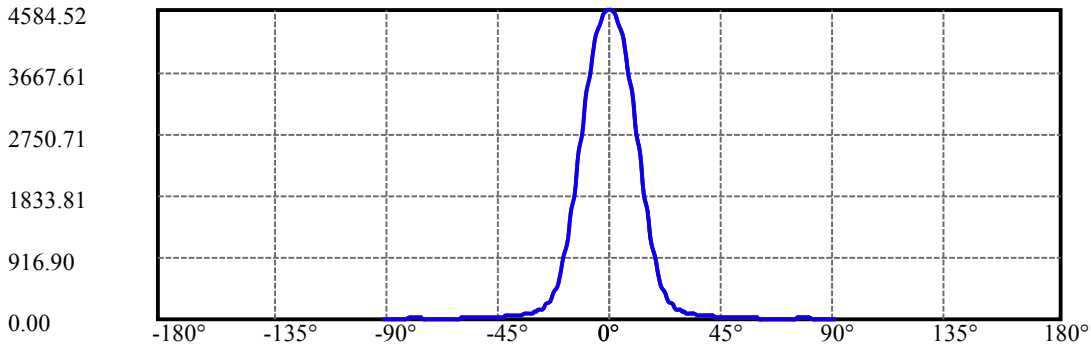
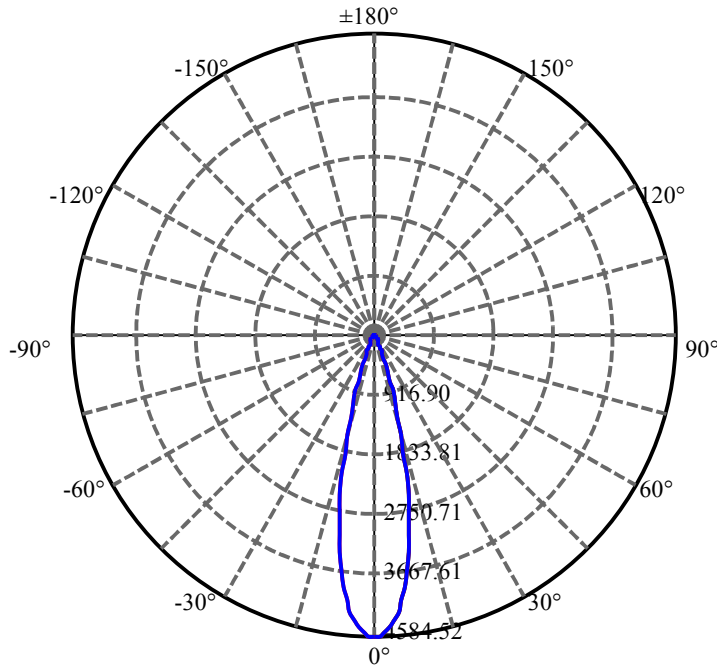
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	15.462	1.594	1021.981	.135%	98.533%
77.0	16.165	1.686	1023.667	.143%	98.695%
78.0	16.376	1.742	1025.409	.148%	98.863%
79.0	15.855	1.732	1027.141	.147%	99.030%
80.0	14.583	1.641	1028.782	.139%	99.188%
81.0	12.973	1.490	1030.272	.127%	99.332%
82.0	11.334	1.318	1031.59	.112%	99.459%
83.0	9.359	1.125	1032.715	.096%	99.568%
84.0	7.305	0.908	1033.623	.077%	99.655%
85.0	6.272	0.741	1034.364	.063%	99.727%
86.0	5.723	0.656	1035.019	.056%	99.790%
87.0	5.259	0.601	1035.621	.051%	99.848%
88.0	4.894	0.556	1036.177	.047%	99.901%
89.0	4.613	0.521	1036.698	.044%	99.952%
90.0	4.542	0.502	1037.2	.043%	100.000%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	916.74	77.86%	88.39%
0-40	960.73	81.59%	92.63%
0-60	1001.83	85.08%	96.59%
0-90	1036.70	88.05%	99.95%
0-120	1036.70	88.05%	99.95%
0-180	1037.20	88.09%	100.00%
60-90	36.22	3.08%	3.49%
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%
0-21.43	829.76	70.47%	80.00%

ZONAL LUMEN SUMMARY

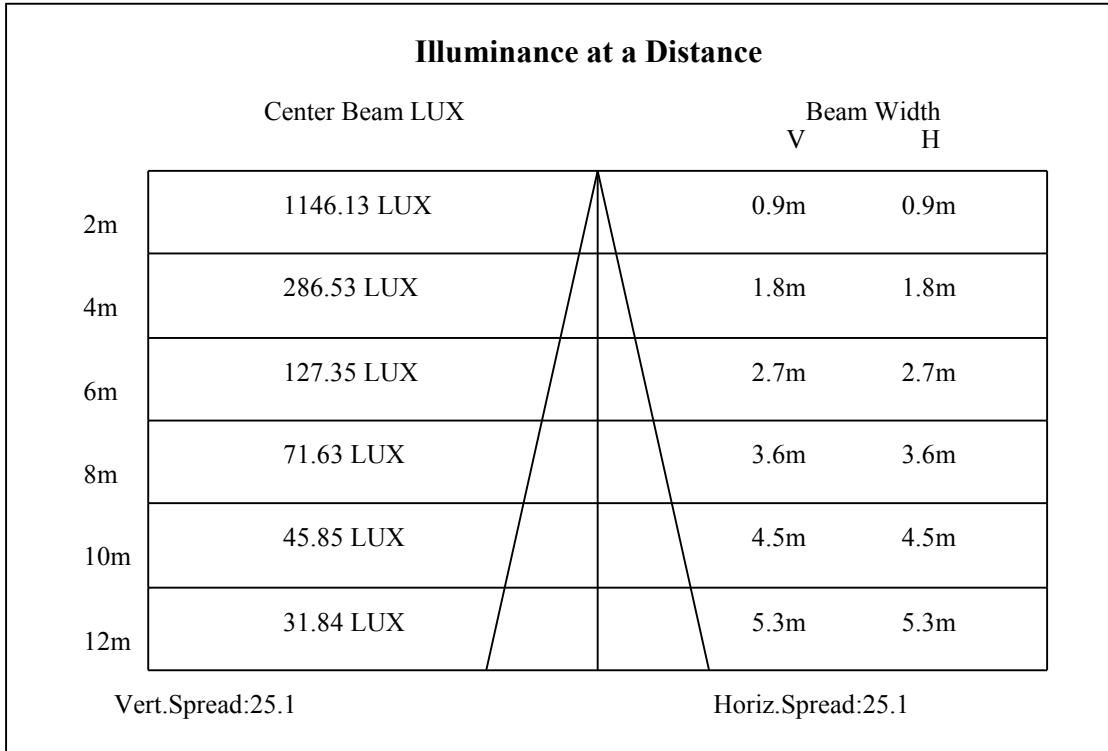
0-10	366.24
10-20	435.23
20-30	115.27
30-40	43.99
40-50	25.58
50-60	15.52
60-70	12.23
70-80	14.72
80-90	7.92
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

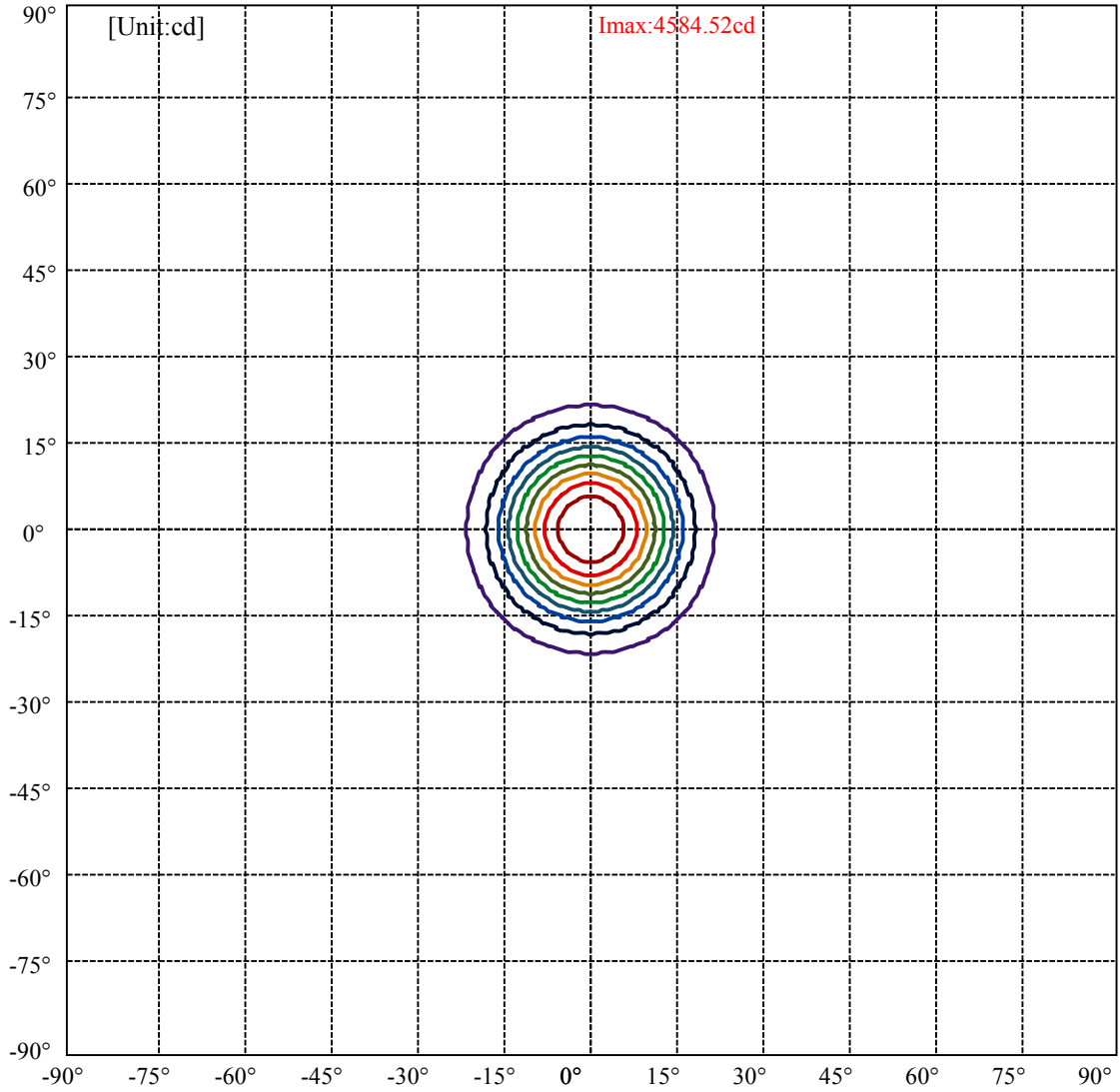


C0(Max): ———
C0/C180: ———
C90/C270: ———

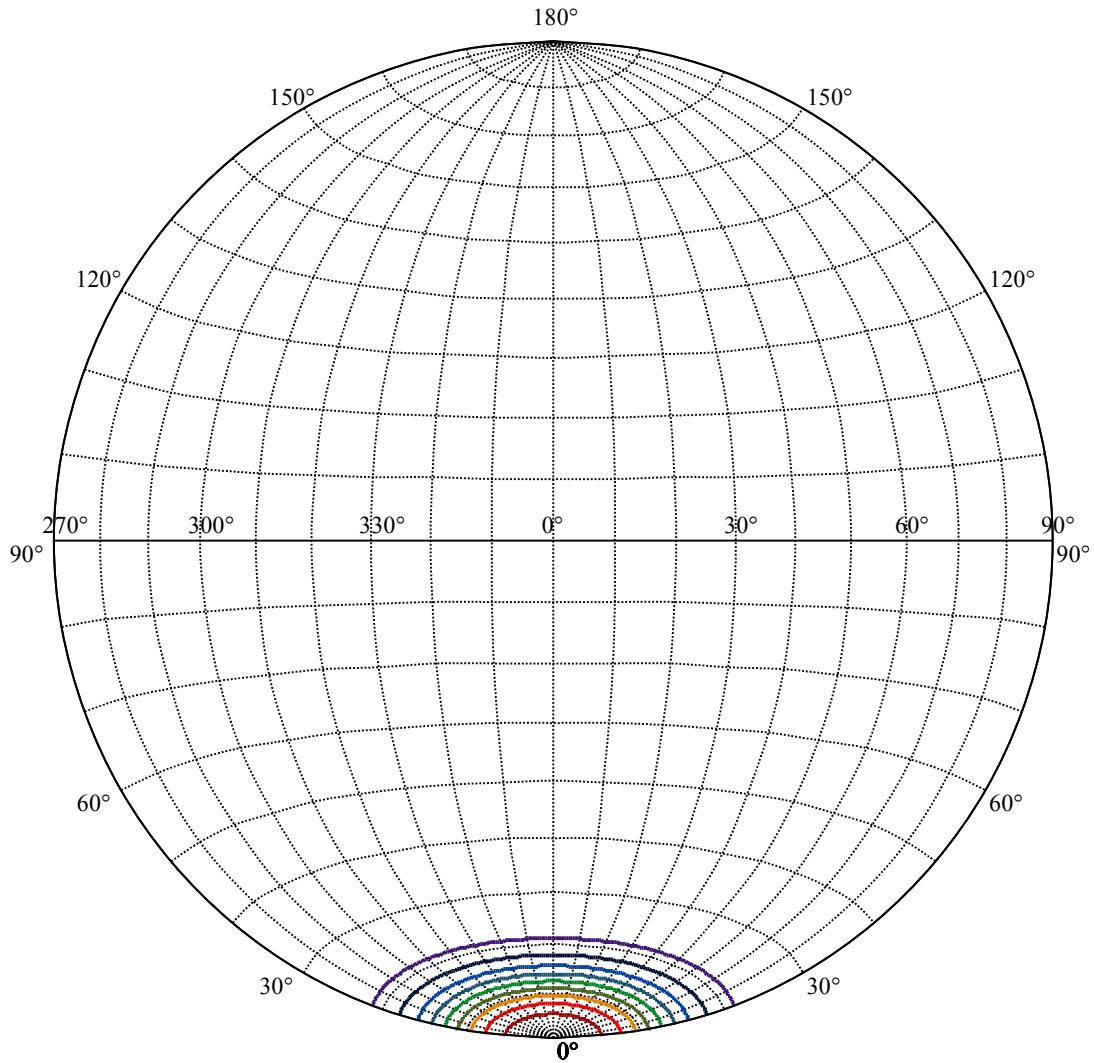
Field angle(10%Imax):C0/180Left:21.3 Right:21.3
:C90/270Left:21.3 Right:21.3

Beam Angle(50%Imax):C0/180Left:12.6 Right:12.6
:C90/270Left:12.6 Right:12.6





(10%Imax) 458.452	—
(20%Imax) 916.903	—
(30%Imax) 1375.35	—
(40%Imax) 1833.81	—
(50%Imax) 2292.26	—
(60%Imax) 2750.71	—
(70%Imax) 3209.16	—
(80%Imax) 3667.61	—
(90%Imax) 4126.06	—



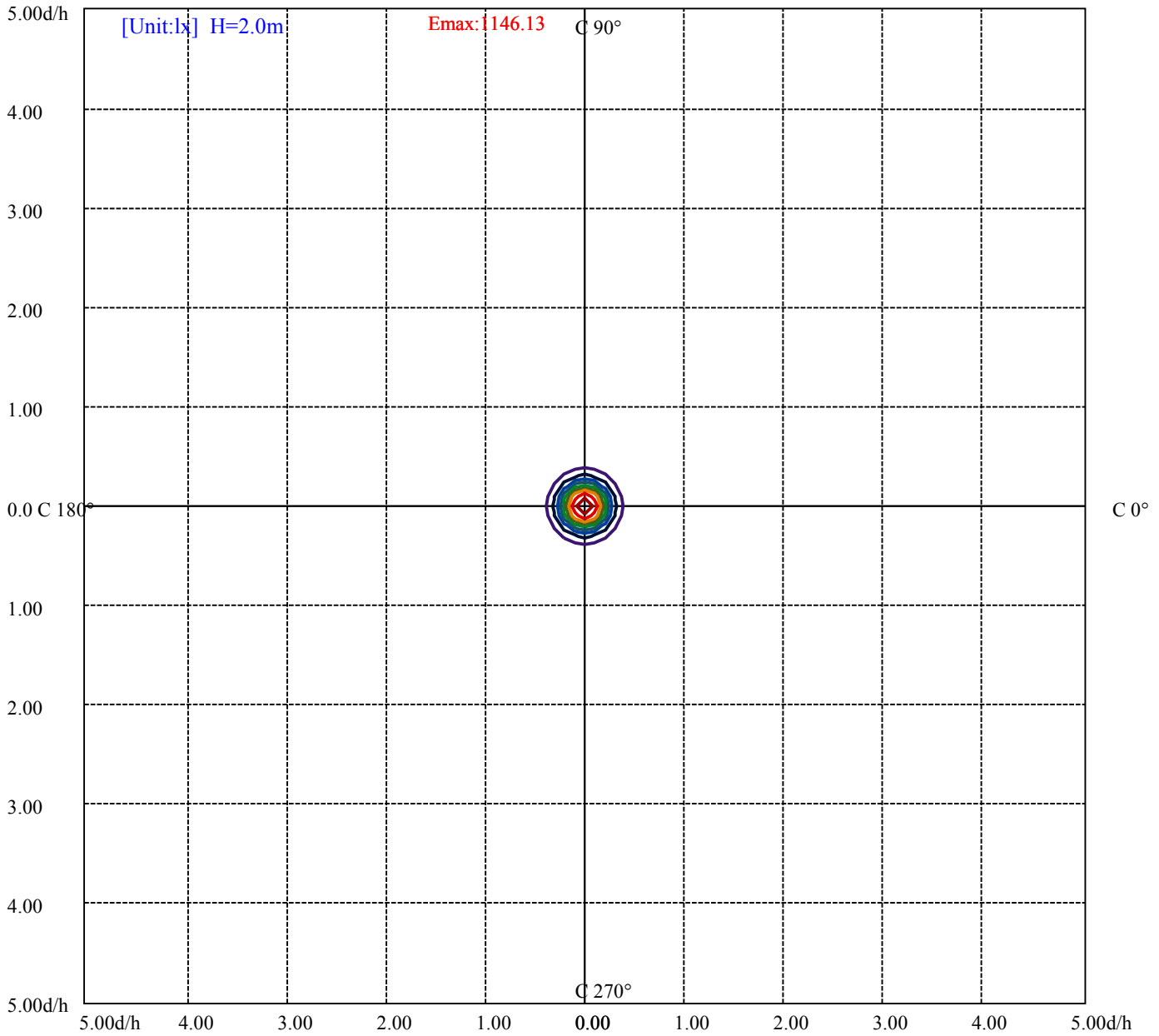
House

[Unit:cd]

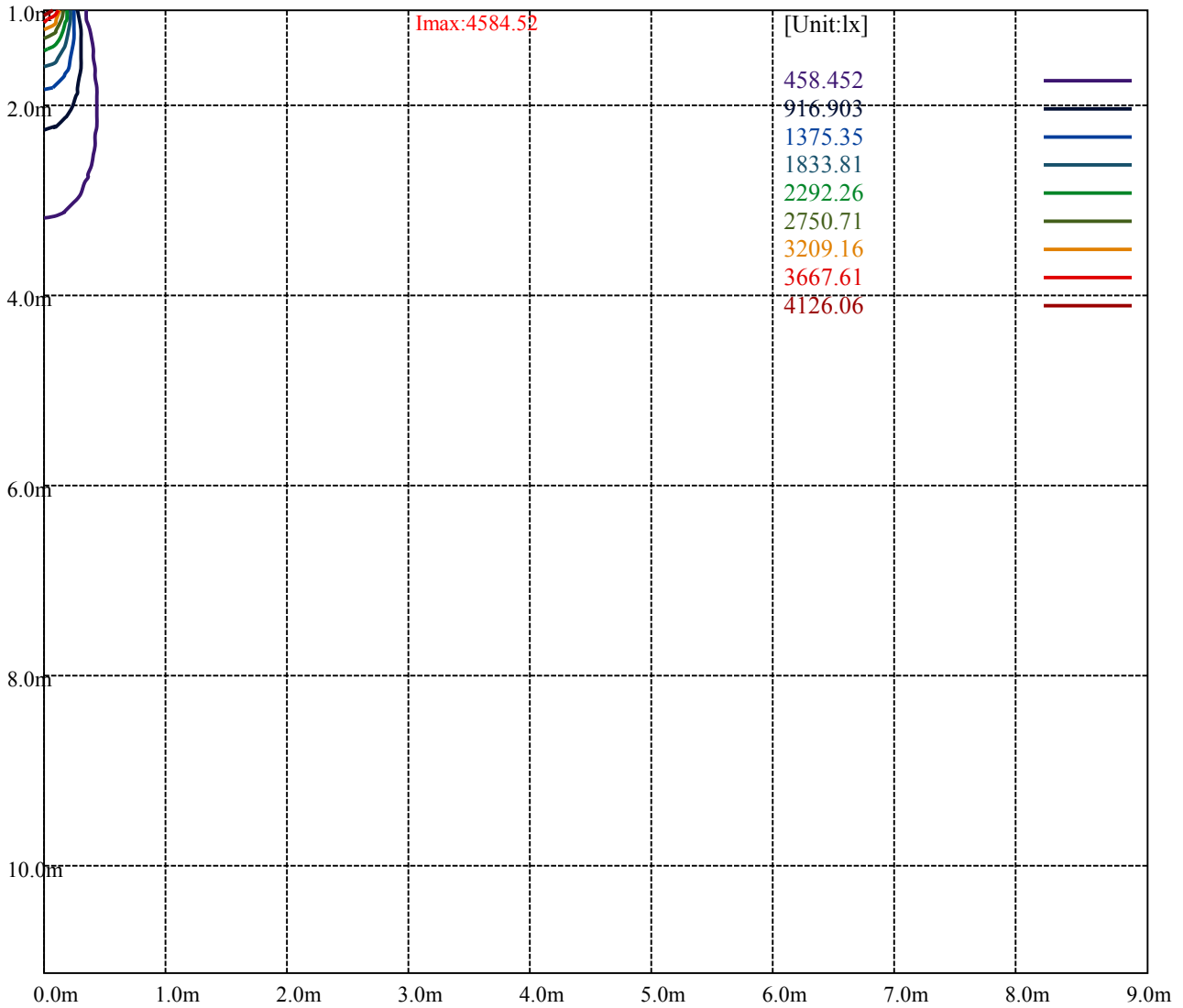
Road

Imax:4584.52

(10%Imax)	458.452	—
(20%Imax)	916.903	—
(30%Imax)	1375.35	—
(40%Imax)	1833.81	—
(50%Imax)	2292.26	—
(60%Imax)	2750.71	—
(70%Imax)	3209.16	—
(80%Imax)	3667.61	—
(90%Imax)	4126.06	—



- (10%Emax) 114.6127
- (20%Emax) 229.2258
- (30%Emax) 343.8375
- (40%Emax) 458.4525
- (50%Emax) 573.065
- (60%Emax) 687.6775
- (70%Emax) 802.29
- (80%Emax) 916.9025
- (90%Emax) 1031.515



Luminance Table

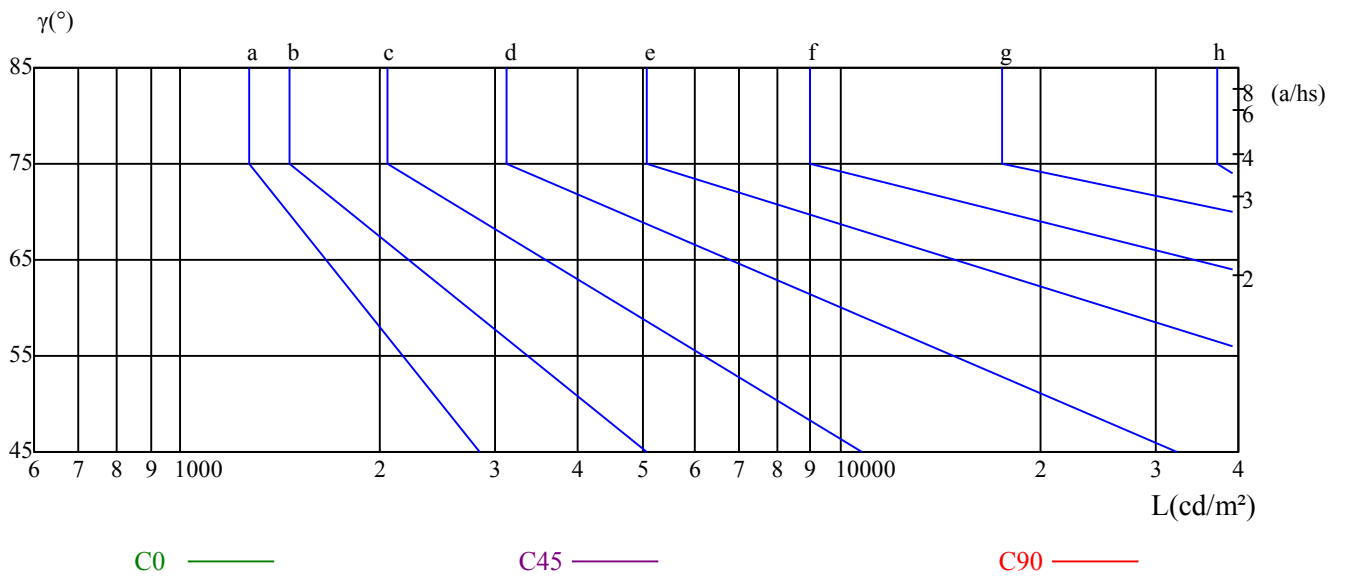
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

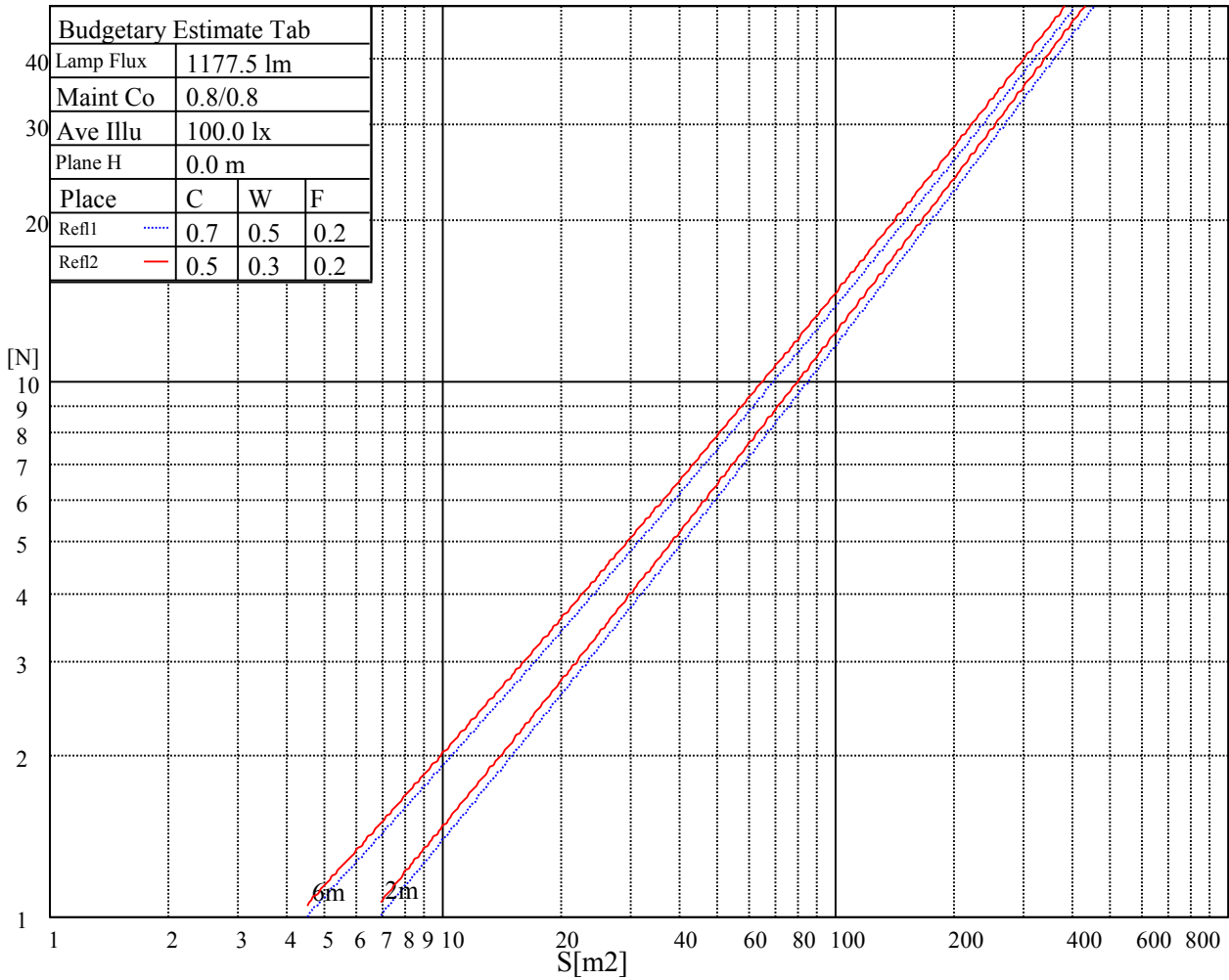
Glare Table

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

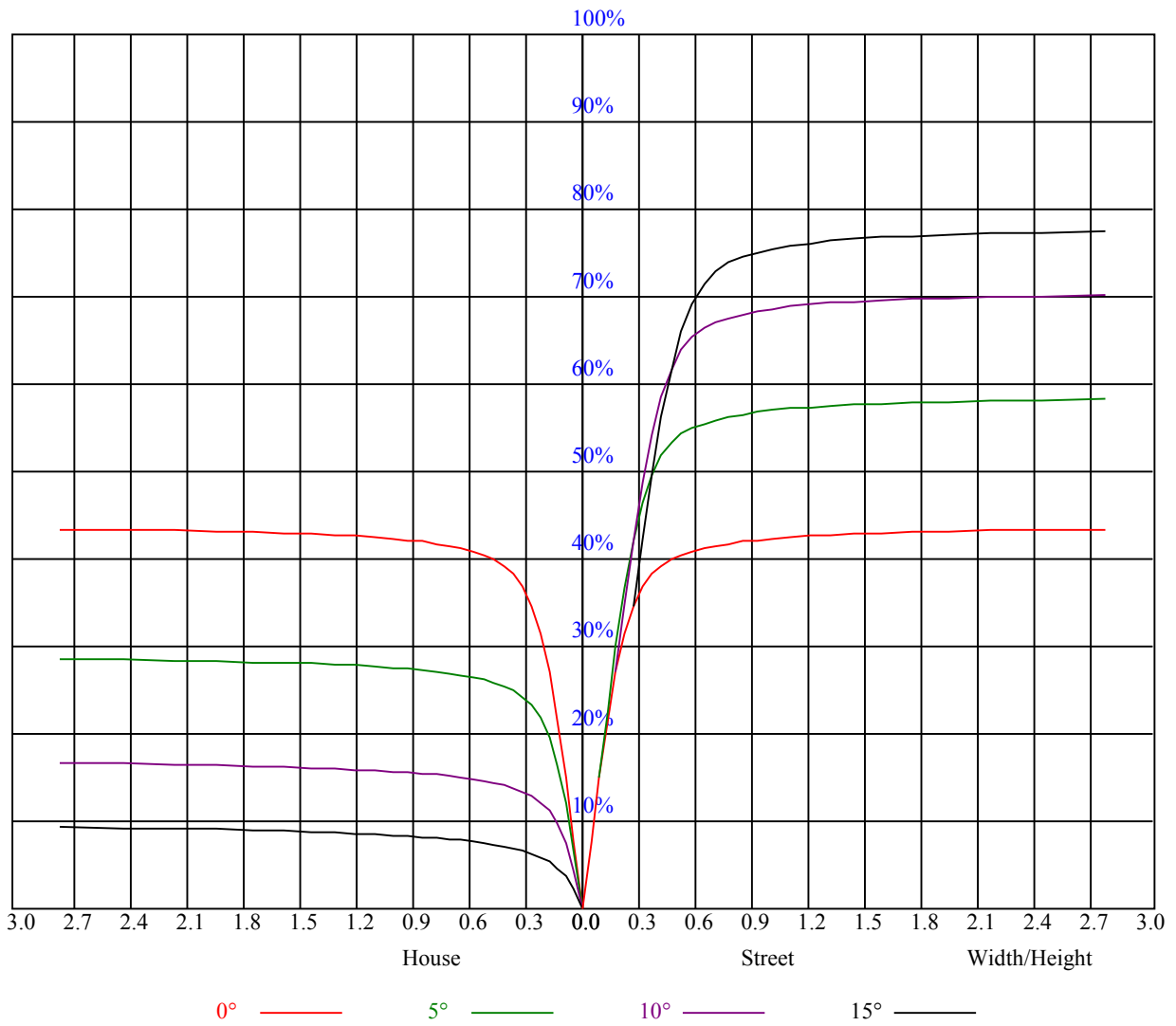
Luminance Limiting Curve



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	正无穷大	无穷大	无穷大	无穷大	无穷大	正无穷大	无穷大	无穷大	无穷大	无穷大
	3H	正无穷大	无穷大	无穷大	无穷大	无穷大	正无穷大	无穷大	无穷大	无穷大	无穷大
	4H	正无穷大	无穷大	无穷大	无穷大	无穷大	正无穷大	无穷大	无穷大	无穷大	无穷大
	6H	正无穷大	无穷大	无穷大	无穷大	无穷大	正无穷大	无穷大	无穷大	无穷大	无穷大
	8H	正无穷大	无穷大	无穷大	无穷大	无穷大	正无穷大	无穷大	无穷大	无穷大	无穷大
4H	12H	正无穷大	无穷大	无穷大	无穷大	无穷大	正无穷大	无穷大	无穷大	无穷大	无穷大
	2H	正无穷大	无穷大	无穷大	无穷大	无穷大	正无穷大	无穷大	无穷大	无穷大	无穷大
	3H	正无穷大	无穷大	无穷大	无穷大	无穷大	正无穷大	无穷大	无穷大	无穷大	无穷大
	4H	正无穷大	无穷大	无穷大	无穷大	无穷大	正无穷大	无穷大	无穷大	无穷大	无穷大
	6H	正无穷大	无穷大	无穷大	无穷大	无穷大	正无穷大	无穷大	无穷大	无穷大	无穷大
8H	8H	正无穷大	无穷大	无穷大	无穷大	无穷大	正无穷大	无穷大	无穷大	无穷大	无穷大
	12H	正无穷大	无穷大	无穷大	无穷大	无穷大	正无穷大	无穷大	无穷大	无穷大	无穷大
	4H	正无穷大	无穷大	无穷大	无穷大	无穷大	正无穷大	无穷大	无穷大	无穷大	无穷大
	6H	正无穷大	无穷大	无穷大	无穷大	无穷大	正无穷大	无穷大	无穷大	无穷大	无穷大
	8H	正无穷大	无穷大	无穷大	无穷大	无穷大	正无穷大	无穷大	无穷大	无穷大	无穷大
12H	12H	正无穷大	无穷大	无穷大	无穷大	无穷大	正无穷大	无穷大	无穷大	无穷大	无穷大
	4H	正无穷大	无穷大	无穷大	无穷大	无穷大	正无穷大	无穷大	无穷大	无穷大	无穷大
	6H	正无穷大	无穷大	无穷大	无穷大	无穷大	正无穷大	无穷大	无穷大	无穷大	无穷大
	8H	正无穷大	无穷大	无穷大	无穷大	无穷大	正无穷大	无穷大	无穷大	无穷大	
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					



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	COEFFICIENTS OF UTILIZATION RHOFC=20 CU															
0	1.05	1.05	1.05	1.02	1.02	1.02	0.98	0.98	0.98	0.94	0.94	0.94	0.90	0.90	0.90	0.88
1	0.98	0.96	0.95	0.97	0.95	0.93	0.93	0.92	0.90	0.90	0.89	0.88	0.87	0.86	0.85	0.84
2	0.93	0.90	0.88	0.92	0.89	0.87	0.89	0.87	0.85	0.86	0.85	0.83	0.84	0.83	0.81	0.80
3	0.89	0.85	0.82	0.88	0.84	0.82	0.85	0.83	0.80	0.83	0.81	0.79	0.81	0.80	0.78	0.77
4	0.85	0.81	0.78	0.84	0.80	0.78	0.82	0.79	0.77	0.81	0.78	0.76	0.79	0.77	0.75	0.74
5	0.82	0.78	0.75	0.81	0.77	0.74	0.79	0.76	0.74	0.78	0.75	0.73	0.77	0.74	0.73	0.71
6	0.79	0.75	0.72	0.78	0.74	0.72	0.77	0.74	0.71	0.76	0.73	0.71	0.75	0.72	0.70	0.69
7	0.76	0.72	0.69	0.76	0.72	0.69	0.75	0.71	0.69	0.74	0.71	0.68	0.73	0.70	0.68	0.67
8	0.74	0.70	0.67	0.73	0.70	0.67	0.72	0.69	0.67	0.72	0.69	0.66	0.71	0.68	0.66	0.65
9	0.71	0.68	0.65	0.71	0.67	0.65	0.70	0.67	0.65	0.70	0.67	0.65	0.69	0.66	0.64	0.64
10	0.69	0.66	0.63	0.69	0.66	0.63	0.69	0.65	0.63	0.68	0.65	0.63	0.67	0.65	0.63	0.62



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	4586.06	4591.13	4564.13	4509.56	4425.75	4295.25	4125.38	3920.06	3706.31
45.0	4585.50	4582.13	4537.69	4474.13	4394.81	4245.19	4068.56	3876.75	3629.25
90.0	4582.13	4558.50	4511.81	4416.75	4310.44	4177.69	3989.81	3760.88	3527.44
135.0	4584.38	4571.44	4523.06	4457.81	4366.69	4217.63	4064.63	3881.81	3645.00
180.0	4586.06	4556.25	4492.13	4394.25	4278.94	4137.19	3917.81	3707.44	3472.88
225.0	4585.50	4566.38	4504.50	4426.31	4323.94	4190.63	3988.13	3796.31	3578.63
270.0	4582.13	4583.81	4554.00	4502.81	4437.56	4294.13	4158.56	4017.38	3777.75
315.0	4584.38	4574.25	4541.63	4466.25	4377.38	4258.13	4089.38	3887.44	3675.38
360.0	4586.06	4591.13	4564.13	4509.56	4425.75	4295.25	4125.38	3920.06	3706.31
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	3434.06	3132.00	2849.06	2558.25	2194.31	1911.94	1645.88	1399.50	1124.44
45.0	3352.50	3115.13	2756.81	2466.56	2147.63	1841.06	1587.38	1356.75	1096.88
90.0	3237.75	2923.31	2637.56	2317.50	2040.19	1742.06	1466.44	1116.06	1044.00
135.0	3378.94	3115.13	2797.88	2509.88	2192.06	1884.94	1630.13	1369.13	1131.19
180.0	3183.75	2871.56	2586.94	2270.25	1962.56	1703.81	1433.25	1114.09	996.58
225.0	3304.69	3005.44	2727.56	2409.19	2094.19	1793.81	1548.00	1239.19	1082.08
270.0	3525.75	3308.63	2971.69	2689.31	2401.31	2045.81	1774.69	1490.06	1231.88
315.0	3402.56	3099.94	2815.88	2489.06	2198.81	1886.63	1596.94	1357.31	1131.21
360.0	3434.06	3132.00	2849.06	2558.25	2194.31	1911.94	1645.88	1399.50	1124.44
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	934.31	771.75	602.44	491.63	401.06	321.19	285.19	215.66	180.00
45.0	905.06	755.44	589.50	482.63	395.44	318.38	284.06	216.28	180.73
90.0	826.54	680.85	559.52	438.02	361.52	300.54	247.28	206.33	177.75
135.0	940.50	803.81	618.19	510.75	430.88	331.31	288.56	229.78	192.60
180.0	806.91	664.43	545.96	427.44	353.03	294.19	237.66	203.12	175.78
225.0	884.42	734.18	605.59	472.50	386.83	318.38	252.68	213.24	182.53
270.0	1031.63	856.69	671.63	548.44	446.63	346.50	285.19	253.46	193.05
315.0	901.58	743.18	608.34	471.15	384.02	315.11	254.93	209.81	179.49
360.0	934.31	771.75	602.44	491.63	401.06	321.19	285.19	215.66	180.00
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	156.04	135.51	119.59	108.23	97.59	88.54	81.56	75.49	68.79
45.0	157.22	136.69	120.21	108.06	96.36	87.30	80.33	73.58	67.11
90.0	152.72	134.94	118.46	104.96	95.01	85.61	77.74	71.66	66.38
135.0	164.31	145.01	127.13	113.29	100.35	91.07	83.64	75.60	69.19
180.0	149.46	132.92	119.14	106.26	96.69	87.64	79.82	73.86	67.84
225.0	155.81	135.17	120.71	107.49	97.76	88.43	80.44	74.31	68.29
270.0	162.51	142.14	124.31	111.77	100.07	90.28	82.86	75.66	69.47
315.0	153.28	134.83	118.46	105.36	95.85	86.79	79.09	73.07	67.73
360.0	156.04	135.51	119.59	108.23	97.59	88.54	81.56	75.49	68.79
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	63.96	59.57	55.18	51.08	47.70	44.21	41.01	38.42	35.49
45.0	62.49	58.22	54.00	50.18	47.03	43.59	40.44	37.80	35.10
90.0	60.58	56.59	52.88	48.66	45.51	42.53	39.54	36.68	34.31
135.0	64.07	59.68	54.73	51.08	47.59	44.04	40.89	38.14	35.27
180.0	61.99	58.28	54.45	49.61	46.80	43.71	40.50	37.52	34.93
225.0	63.06	58.89	55.13	50.74	47.59	44.61	41.46	38.48	36.00
270.0	64.52	60.02	55.07	51.47	48.15	44.66	41.46	38.81	35.94
315.0	61.82	57.60	53.83	49.39	46.13	43.20	39.60	36.96	34.48
360.0	63.96	59.57	55.18	51.08	47.70	44.21	41.01	38.42	35.49

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	33.13	30.71	28.41	26.44	24.58	22.56	21.09	19.86	18.56
45.0	32.79	30.43	28.18	26.38	24.69	22.73	21.32	20.14	18.79
90.0	31.78	29.70	27.45	25.43	23.74	22.05	20.48	19.29	18.23
135.0	32.74	30.60	28.29	26.44	24.58	22.73	21.32	20.19	18.68
180.0	32.34	29.98	27.96	25.82	24.08	22.33	20.70	19.58	18.45
225.0	33.36	30.83	28.74	26.61	24.81	23.06	21.49	20.25	19.18
270.0	33.19	30.99	28.58	26.61	24.53	22.67	21.26	19.97	18.62
315.0	31.67	29.70	27.39	25.14	23.68	21.83	20.36	19.29	18.23
360.0	33.13	30.71	28.41	26.44	24.58	22.56	21.09	19.86	18.56
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	17.66	16.99	16.26	15.64	15.13	14.63	14.18	13.78	13.39
45.0	17.94	17.21	16.43	15.81	15.30	14.79	14.29	13.84	13.44
90.0	17.21	16.43	15.86	15.19	14.68	14.23	13.73	13.33	12.99
135.0	17.89	17.10	16.31	15.75	15.24	14.74	14.23	13.84	13.39
180.0	17.49	16.71	16.09	15.41	14.91	14.46	14.06	13.61	13.28
225.0	18.11	17.27	16.59	15.92	15.41	14.91	14.40	13.95	13.56
270.0	17.78	17.04	16.26	15.69	15.19	14.74	14.23	13.84	13.44
315.0	17.21	16.54	15.98	15.41	14.85	14.40	13.89	13.50	13.16
360.0	17.66	16.99	16.26	15.64	15.13	14.63	14.18	13.78	13.39
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	13.05	12.66	12.32	12.04	11.76	11.42	11.14	10.86	10.46
45.0	13.05	12.60	12.26	11.93	11.59	11.31	10.97	10.69	10.35
90.0	12.60	12.26	11.98	11.70	11.48	11.25	10.97	10.97	12.71
135.0	13.05	12.66	12.32	12.04	11.70	11.36	11.08	10.80	10.41
180.0	12.94	12.54	12.21	11.93	11.59	11.31	11.03	10.69	10.41
225.0	13.16	12.77	12.43	12.09	11.81	11.48	11.14	10.86	10.58
270.0	13.11	12.77	12.49	12.21	11.93	11.70	11.42	11.19	11.03
315.0	12.77	12.43	12.09	11.76	11.48	11.19	10.91	10.63	10.35
360.0	13.05	12.66	12.32	12.04	11.76	11.42	11.14	10.86	10.46
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	10.18	9.90	9.51	9.17	8.83	8.55	8.21	7.88	7.54
45.0	9.96	9.68	9.34	8.94	8.61	8.33	7.99	7.65	7.37
90.0	18.23	22.89	28.29	33.69	38.14	41.23	40.89	37.52	32.23
135.0	10.13	9.84	9.51	9.17	8.83	8.55	8.21	7.93	7.59
180.0	10.07	9.73	9.39	9.06	8.66	8.44	8.10	7.76	7.48
225.0	10.18	9.84	9.56	9.23	8.89	8.55	8.16	7.82	7.54
270.0	12.49	16.48	21.49	28.13	32.96	37.24	41.29	42.41	39.32
315.0	10.01	9.73	9.45	9.11	8.78	8.44	8.16	7.88	7.59
360.0	10.18	9.90	9.51	9.17	8.83	8.55	8.21	7.88	7.54
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	7.26	6.98	6.64	6.30	6.02	5.68	5.34	5.06	4.73
45.0	7.03	6.75	6.41	6.13	5.85	5.46	5.23	4.84	4.61
90.0	26.83	20.81	12.66	6.92	6.30	5.85	5.18	4.78	4.44
135.0	7.31	7.03	6.75	6.41	6.08	5.63	5.23	4.73	4.56
180.0	7.26	6.86	6.58	6.24	6.02	5.68	5.29	4.95	4.67
225.0	7.20	6.92	6.58	6.30	6.02	5.63	5.29	4.95	4.67
270.0	33.58	28.46	22.73	13.95	8.04	6.41	5.51	5.06	4.73
315.0	7.31	6.86	6.53	6.19	5.85	5.46	5.01	4.78	4.50
360.0	7.26	6.98	6.64	6.30	6.02	5.68	5.34	5.06	4.73

Intensity data(cd)

C/γ(°)	90.0
0.0	4.67
45.0	4.56
90.0	4.50
135.0	4.44
180.0	4.61
225.0	4.61
270.0	4.50
315.0	4.44
360.0	4.67