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Nata

LumCAT: LN01D05024DA-N

Luminaire: 97.70.273.00

Report No: 200804-B008

Voltage(V): 34.6000

Test No: 200804-B008

Current(A): 0.1500

LampCAT: NICHIANTCWS024B-V3 LES6.7 Power (W): 5.1900

Lamp flux(lm): 578.0

PF: 0.0000

Number of Lamps: 1

Ballast type: DC

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 528.70

Efficiency(%): 91.47%

Lumens(lm)/Power(W): 101.87

Central intensity(cd): 2401.875

Maximum intensity(cd): 2401.875

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=24.9

[C90/270]Total=24.9

Field angle(10%Imax): [C0/180]Total=42.3

[C90/270]Total=42.3

Maximum s/h(1/2): C0_180=0.42 C90_270=0.42

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(%): 91.47%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 96.787%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	2401.875	0.000	0	.000%	.000%
1.0	2394.844	2.295	2.295	.397%	.434%
2.0	2374.875	6.846	9.141	1.184%	1.729%
3.0	2337.469	11.270	20.411	1.950%	3.861%
4.0	2288.742	15.485	35.897	2.679%	6.790%
5.0	2221.383	19.402	55.299	3.357%	10.459%
6.0	2133.703	22.887	78.186	3.960%	14.788%
7.0	2028.094	25.832	104.019	4.469%	19.674%
8.0	1911.867	28.198	132.216	4.878%	25.008%
9.0	1769.414	29.835	162.051	5.162%	30.651%
10.0	1612.688	30.607	192.658	5.295%	36.440%
11.0	1454.906	30.652	223.309	5.303%	42.238%
12.0	1274.098	29.832	253.141	5.161%	47.880%
13.0	1107.837	28.268	281.409	4.891%	53.227%
14.0	968.984	26.583	307.992	4.599%	58.255%
15.0	823.985	24.615	332.606	4.259%	62.910%
16.0	694.835	22.255	354.861	3.850%	67.120%
17.0	575.986	19.790	374.652	3.424%	70.863%
18.0	464.892	17.162	391.813	2.969%	74.109%
19.0	382.620	14.745	406.558	2.551%	76.898%
20.0	309.410	12.666	419.224	2.191%	79.294%
21.0	247.556	10.695	429.919	1.850%	81.316%
22.0	195.666	8.907	438.826	1.541%	83.001%
23.0	152.051	7.296	446.122	1.262%	84.381%
24.0	120.691	5.963	452.085	1.032%	85.509%
25.0	99.225	5.000	457.086	.865%	86.455%
26.0	82.891	4.299	461.384	.744%	87.268%
27.0	70.200	3.745	465.13	.648%	87.976%
28.0	61.144	3.325	468.455	.575%	88.605%
29.0	53.585	3.002	471.457	.519%	89.173%
30.0	47.686	2.734	474.191	.473%	89.690%
31.0	42.891	2.521	476.712	.436%	90.167%
32.0	38.672	2.337	479.048	.404%	90.609%
33.0	35.318	2.180	481.228	.377%	91.021%
34.0	32.477	2.052	483.28	.355%	91.409%
35.0	29.890	1.937	485.217	.335%	91.776%
36.0	27.633	1.832	487.048	.317%	92.122%
37.0	25.812	1.743	488.791	.302%	92.452%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	23.899	1.659	490.451	.287%	92.766%
39.0	22.155	1.572	492.023	.272%	93.063%
40.0	20.735	1.496	493.519	.259%	93.346%
41.0	19.273	1.425	494.943	.246%	93.615%
42.0	17.909	1.351	496.294	.234%	93.871%
43.0	16.671	1.281	497.575	.222%	94.113%
44.0	15.497	1.214	498.789	.210%	94.343%
45.0	14.386	1.148	499.938	.199%	94.560%
46.0	13.388	1.086	501.024	.188%	94.765%
47.0	12.375	1.025	502.048	.177%	94.959%
48.0	11.517	0.966	503.014	.167%	95.142%
49.0	10.709	0.913	503.927	.158%	95.315%
50.0	9.921	0.860	504.787	.149%	95.477%
51.0	9.323	0.814	505.601	.141%	95.631%
52.0	8.803	0.778	506.379	.135%	95.778%
53.0	8.297	0.744	507.123	.129%	95.919%
54.0	7.882	0.713	507.836	.123%	96.054%
55.0	7.559	0.689	508.525	.119%	96.184%
56.0	7.256	0.669	509.195	.116%	96.311%
57.0	6.982	0.651	509.846	.113%	96.434%
58.0	6.764	0.636	510.481	.110%	96.554%
59.0	6.539	0.622	511.103	.108%	96.672%
60.0	6.314	0.607	511.71	.105%	96.787%
61.0	6.131	0.594	512.304	.103%	96.899%
62.0	5.948	0.582	512.886	.101%	97.009%
63.0	5.787	0.571	513.457	.099%	97.117%
64.0	5.639	0.561	514.018	.097%	97.223%
65.0	5.498	0.551	514.569	.095%	97.327%
66.0	5.351	0.541	515.11	.094%	97.430%
67.0	5.238	0.532	515.643	.092%	97.531%
68.0	5.119	0.525	516.167	.091%	97.630%
69.0	5.063	0.519	516.687	.090%	97.728%
70.0	5.140	0.524	517.211	.091%	97.827%
71.0	5.393	0.544	517.755	.094%	97.930%
72.0	5.871	0.586	518.341	.101%	98.041%
73.0	6.448	0.644	518.985	.111%	98.163%
74.0	7.038	0.709	519.694	.123%	98.297%
75.0	7.573	0.772	520.466	.134%	98.443%

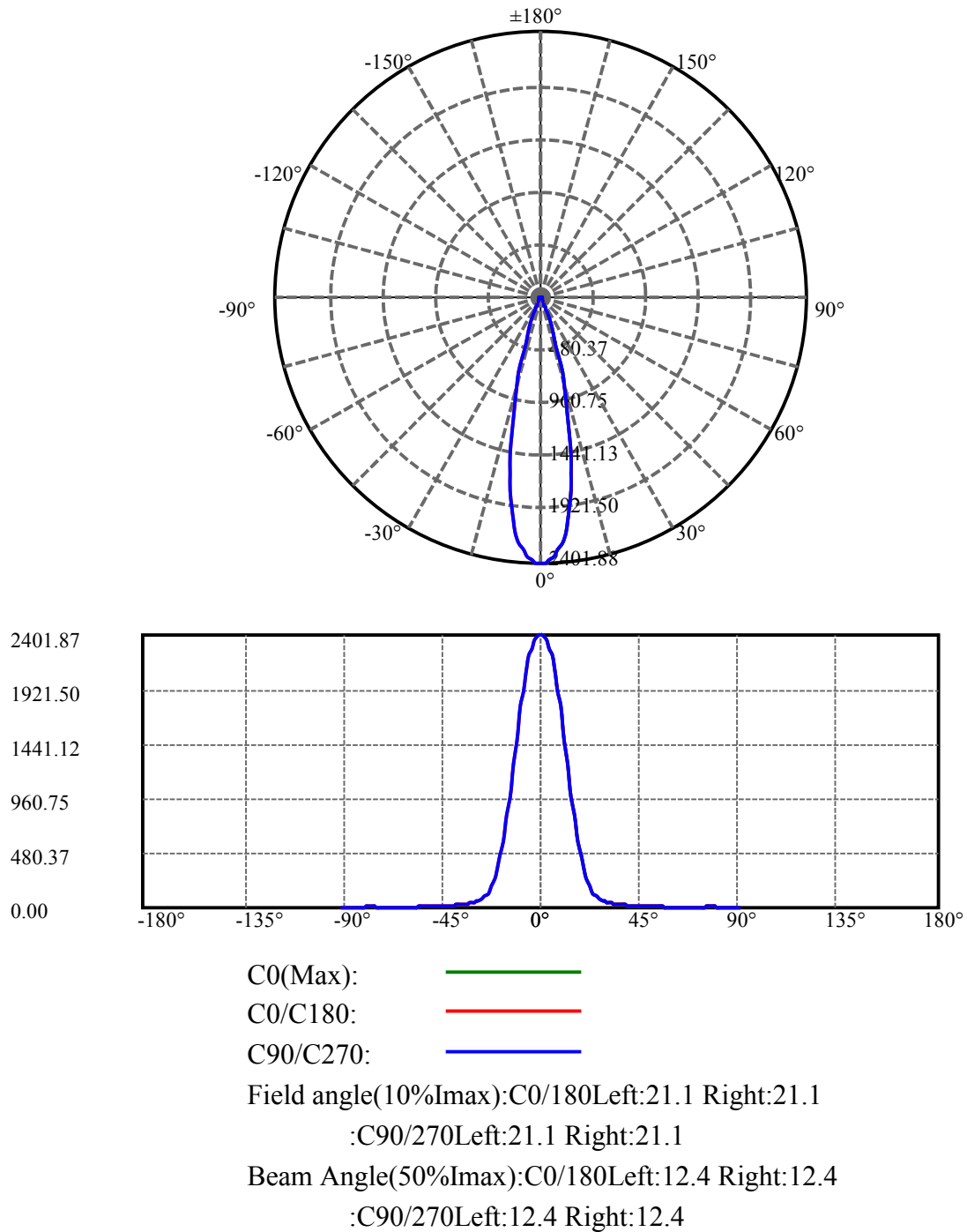
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	8.072	0.830	521.297	.144%	98.600%
77.0	8.318	0.874	522.17	.151%	98.765%
78.0	8.191	0.884	523.054	.153%	98.932%
79.0	7.580	0.847	523.902	.147%	99.093%
80.0	6.680	0.769	524.67	.133%	99.238%
81.0	5.766	0.673	525.343	.116%	99.365%
82.0	4.739	0.570	525.913	.099%	99.473%
83.0	3.734	0.461	526.374	.080%	99.560%
84.0	3.424	0.390	526.763	.067%	99.634%
85.0	3.277	0.366	527.129	.063%	99.703%
86.0	3.087	0.348	527.477	.060%	99.769%
87.0	2.890	0.327	527.804	.057%	99.831%
88.0	2.749	0.309	528.113	.053%	99.889%
89.0	2.658	0.296	528.409	.051%	99.945%
90.0	2.623	0.290	528.699	.050%	100.000%

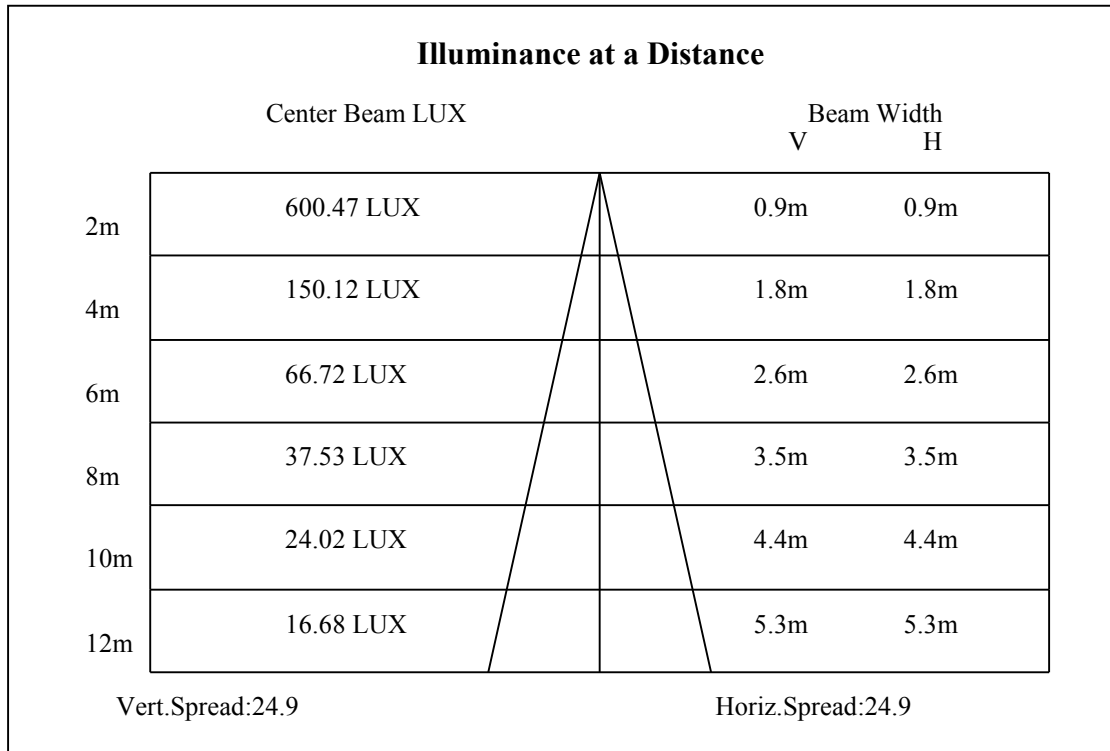
ZONAL LUMEN SUMMARY

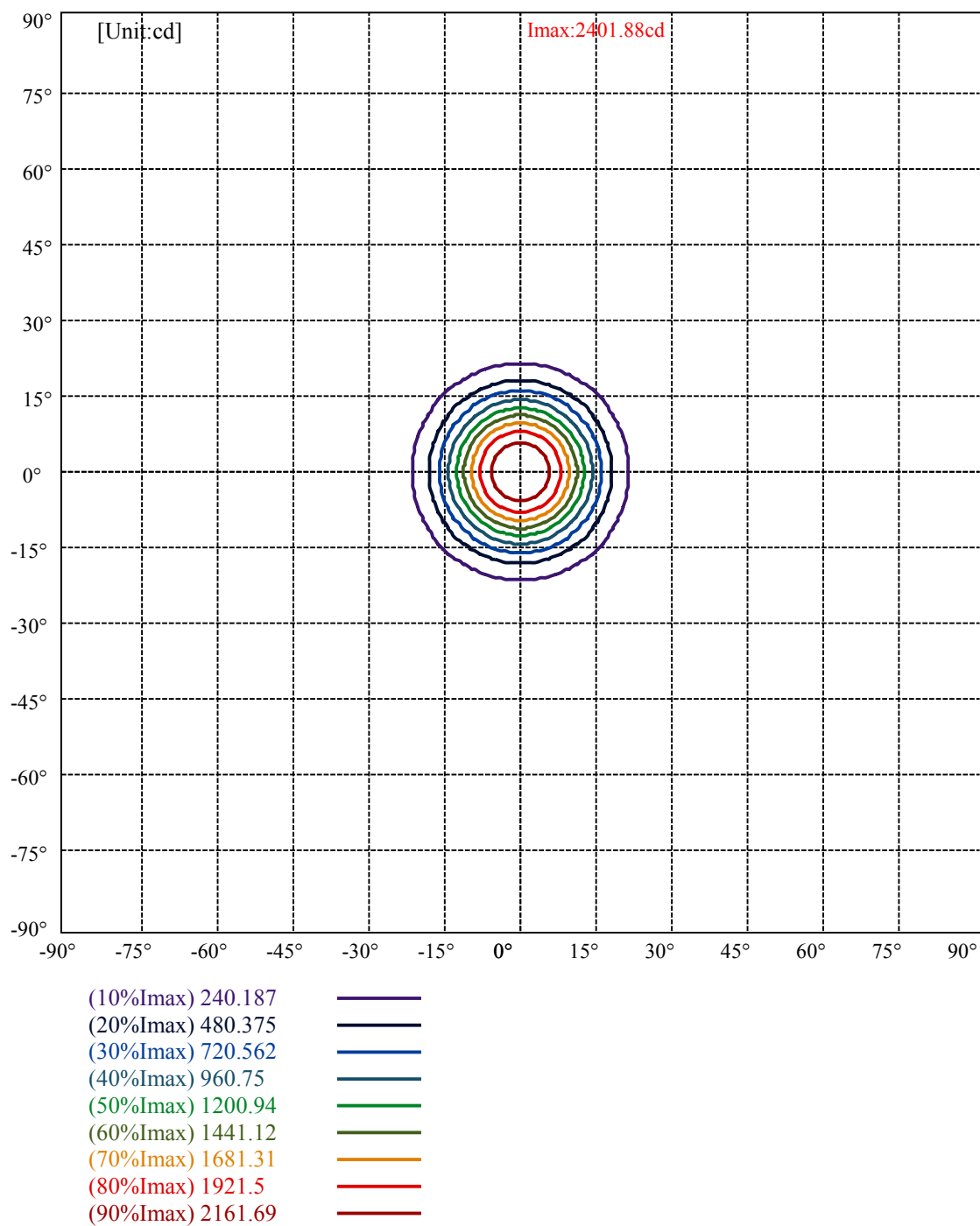
Zone	Lumens	%Lamp	%Fixt
0-30	474.19	82.04%	89.69%
0-40	493.52	85.38%	93.35%
0-60	511.71	88.53%	96.79%
0-90	528.41	91.42%	99.95%
0-120	528.41	91.42%	99.95%
0-180	528.70	91.47%	100.00%
60-90	17.31	2.99%	3.27%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-20.35	422.96	73.18%	80.00%

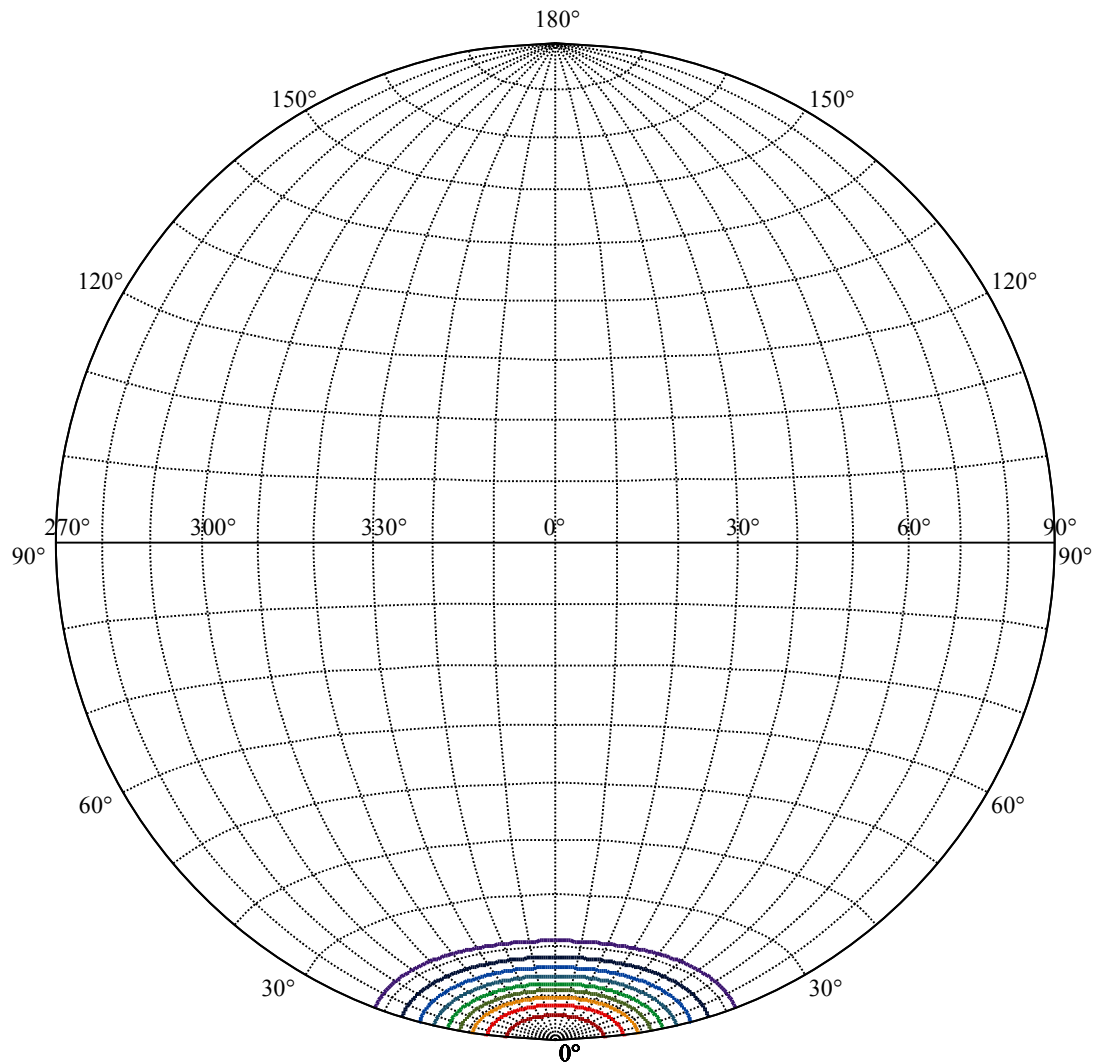
ZONAL LUMEN SUMMARY

0-10	192.66
10-20	226.57
20-30	54.97
30-40	19.33
40-50	11.27
50-60	6.92
60-70	5.50
70-80	7.46
80-90	3.74
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









House

[Unit:cd]

Road

Imax:2401.88

(10%Imax) 240.187

(20%Imax) 480.375

(30%Imax) 720.562

(40%Imax) 960.75

(50%Imax) 1200.94

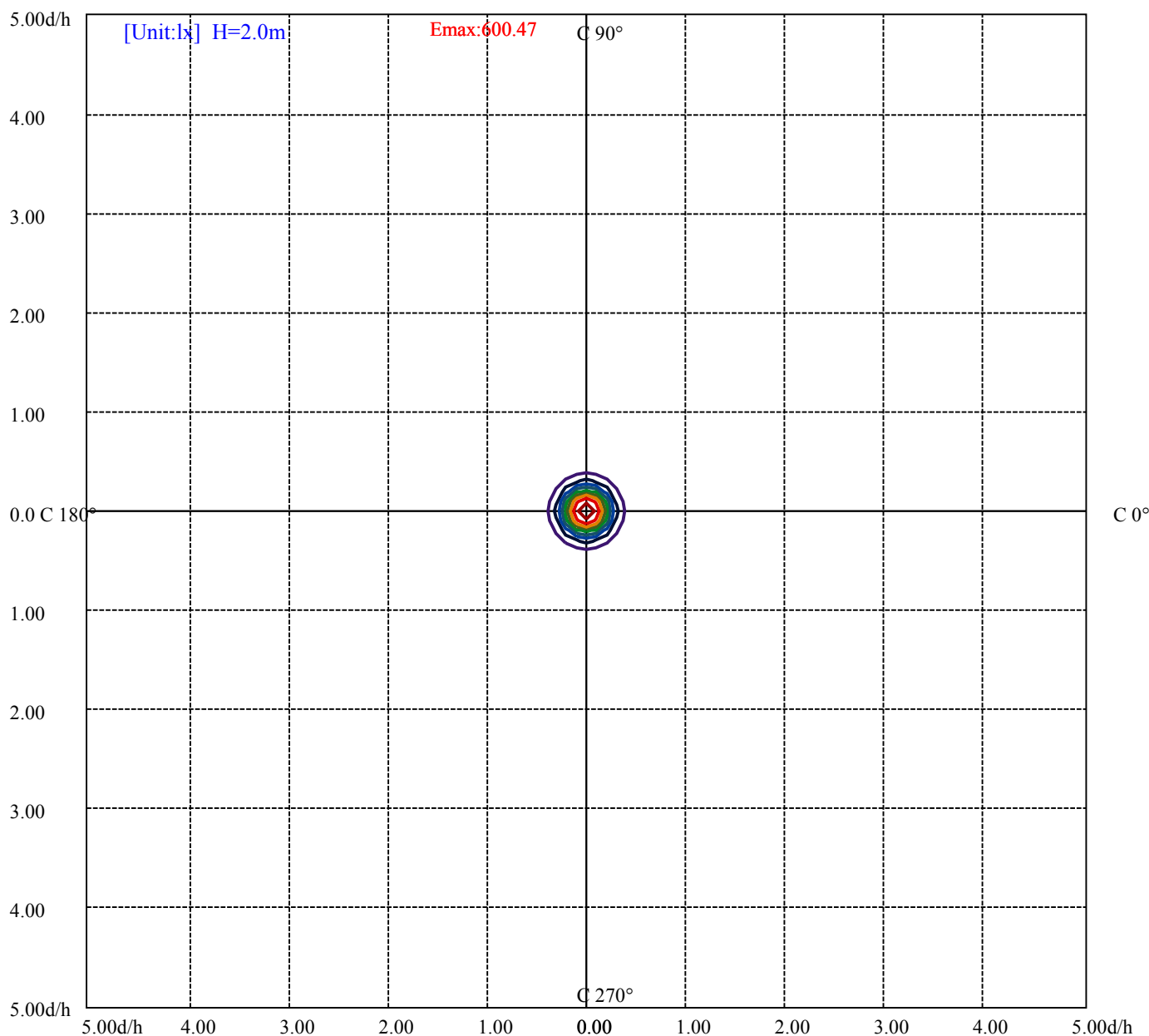
(60%Imax) 1441.12

(70%Imax) 1681.31

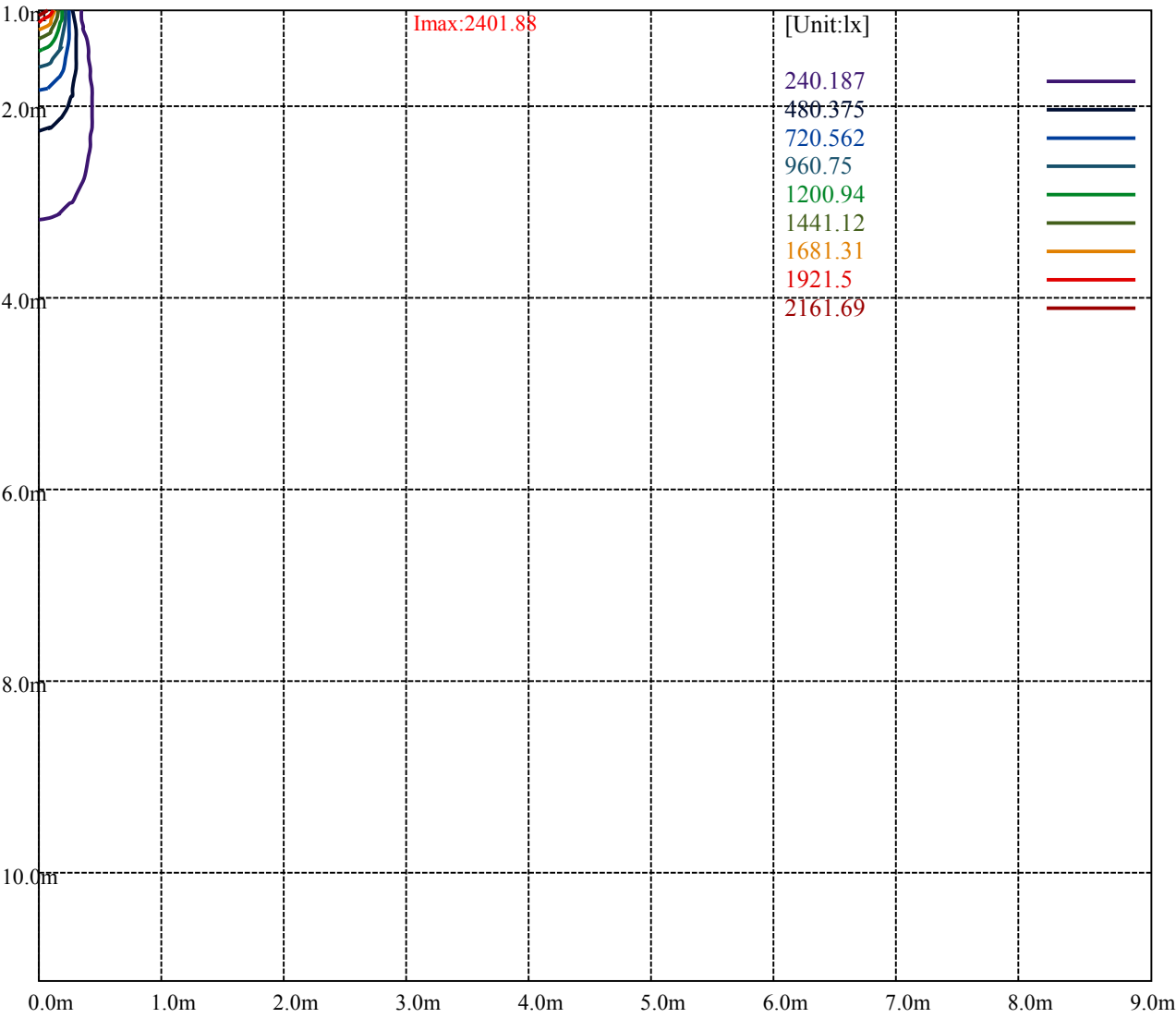
(80%Imax) 1921.5

(90%Imax) 2161.69





(10%Emax)	60.04675	—
(20%Emax)	120.0938	—
(30%Emax)	180.1405	—
(40%Emax)	240.1875	—
(50%Emax)	300.235	—
(60%Emax)	360.28	—
(70%Emax)	420.3275	—
(80%Emax)	480.375	—
(90%Emax)	540.4225	—



Luminance Table

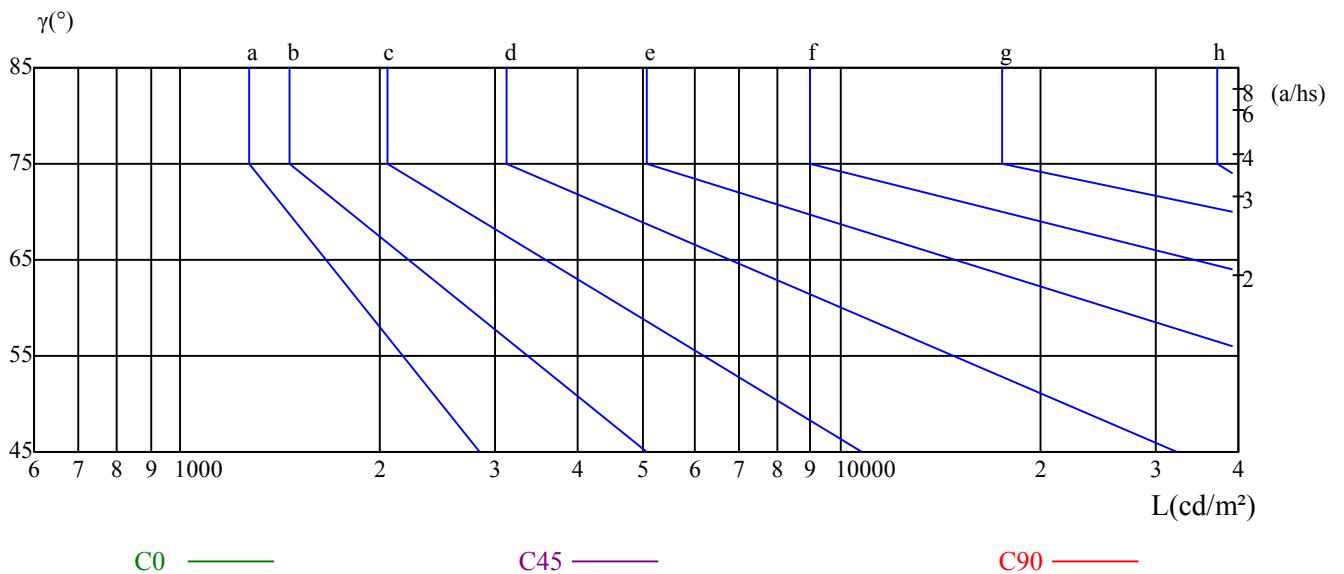
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

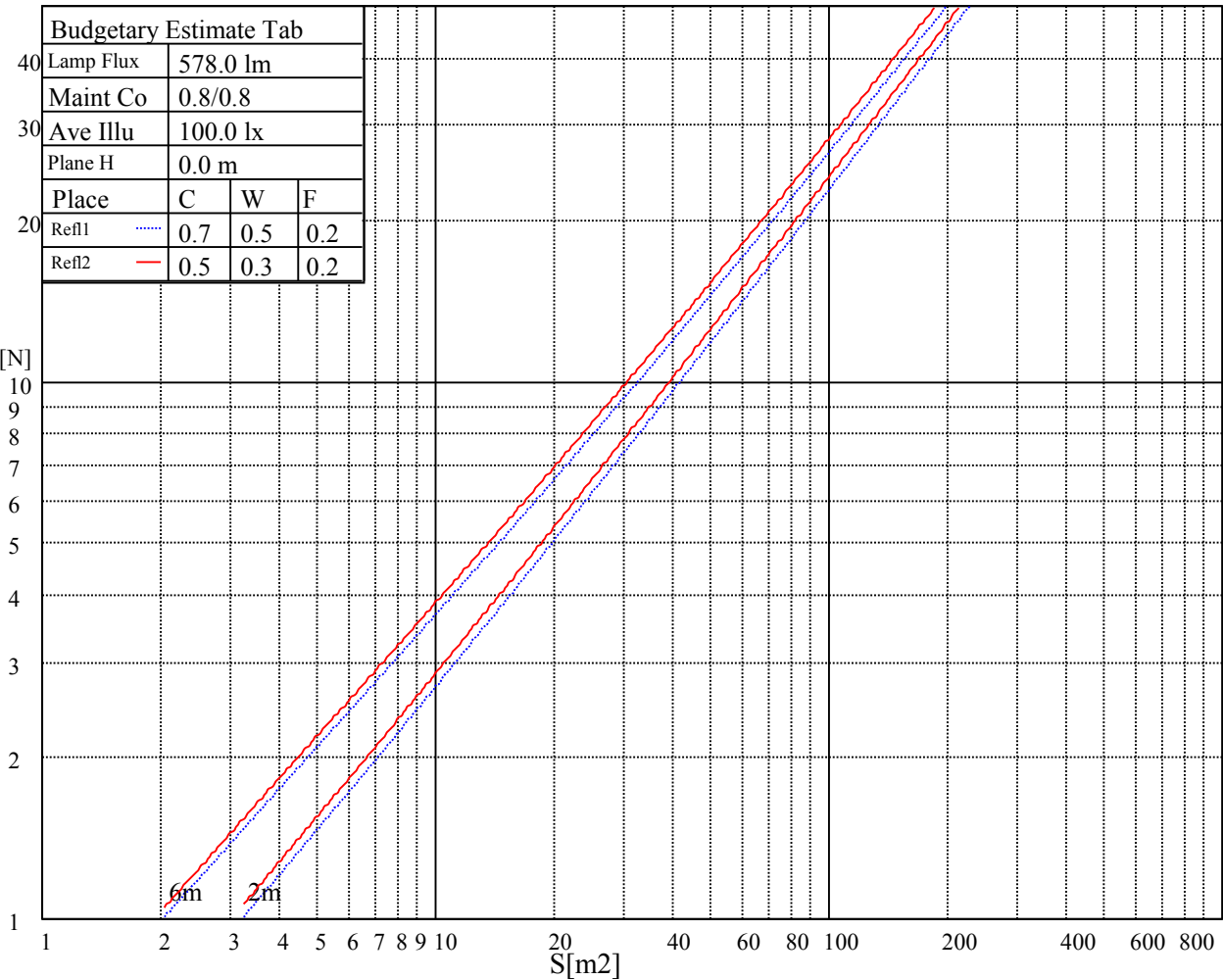
Glare Table

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

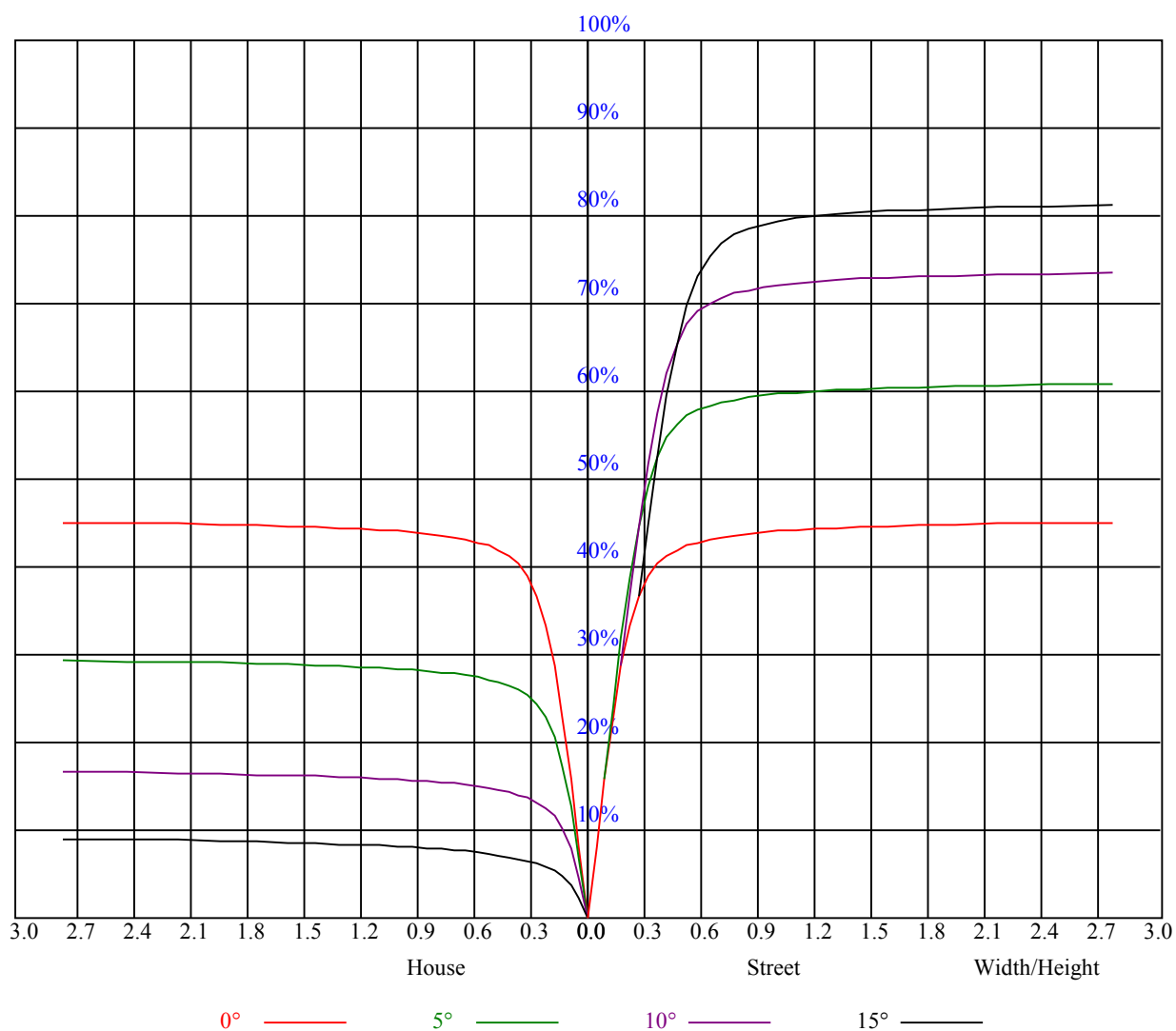
Luminance Limiting Curve



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



RHOC	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	1.09	1.09	1.09	1.06	1.06	1.06	1.02	1.02	1.02	0.97	0.97	0.97	0.93	0.93	0.93	0.91
1	1.02	1.00	0.99	1.00	0.99	0.97	0.97	0.95	0.94	0.93	0.92	0.91	0.90	0.89	0.89	0.87
2	0.97	0.94	0.91	0.95	0.93	0.90	0.93	0.90	0.88	0.90	0.88	0.87	0.87	0.86	0.85	0.83
3	0.93	0.89	0.86	0.91	0.88	0.85	0.89	0.86	0.84	0.87	0.85	0.83	0.85	0.83	0.81	0.80
4	0.89	0.85	0.82	0.88	0.84	0.81	0.86	0.83	0.80	0.84	0.82	0.80	0.83	0.80	0.79	0.77
5	0.85	0.81	0.78	0.85	0.81	0.78	0.83	0.80	0.77	0.82	0.79	0.77	0.80	0.78	0.76	0.75
6	0.82	0.78	0.75	0.82	0.78	0.75	0.81	0.77	0.75	0.79	0.76	0.74	0.78	0.76	0.74	0.73
7	0.80	0.76	0.73	0.79	0.75	0.73	0.78	0.75	0.72	0.77	0.74	0.72	0.76	0.74	0.72	0.71
8	0.77	0.73	0.71	0.77	0.73	0.71	0.76	0.73	0.70	0.75	0.72	0.70	0.74	0.72	0.70	0.69
9	0.75	0.71	0.69	0.75	0.71	0.69	0.74	0.71	0.68	0.73	0.70	0.68	0.73	0.70	0.68	0.67
10	0.73	0.69	0.67	0.73	0.69	0.67	0.72	0.69	0.67	0.72	0.69	0.66	0.71	0.68	0.66	0.65



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	2392.31	2388.94	2370.94	2341.13	2293.31	2244.38	2142.00	2051.44	1953.00
45.0	2417.06	2400.75	2364.75	2314.69	2256.75	2160.00	2064.38	1951.31	1811.81
90.0	2401.31	2375.44	2346.19	2287.13	2225.81	2148.19	2040.75	1914.75	1788.19
135.0	2396.81	2386.13	2367.00	2334.38	2283.19	2214.56	2135.25	2026.69	1917.00
180.0	2392.31	2381.63	2360.25	2318.06	2266.88	2194.31	2099.25	1994.63	1858.50
225.0	2417.06	2423.25	2407.50	2377.69	2338.31	2277.56	2201.63	2099.81	1983.94
270.0	2401.31	2408.63	2400.75	2386.13	2349.56	2293.88	2233.13	2137.50	2041.31
315.0	2396.81	2394.00	2381.63	2340.56	2296.13	2238.19	2153.25	2048.63	1941.19
360.0	2392.31	2388.94	2370.94	2341.13	2293.31	2244.38	2142.00	2051.44	1953.00

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	1802.81	1642.50	1514.25	1326.38	1154.81	1024.88	849.38	721.69	606.94
45.0	1652.06	1495.69	1319.63	1167.19	1000.69	846.00	718.31	591.19	477.56
90.0	1628.44	1460.25	1307.81	1120.22	996.86	843.75	705.43	594.17	494.38
135.0	1775.81	1618.31	1465.88	1311.19	1121.06	973.69	838.69	685.69	572.63
180.0	1728.56	1565.44	1395.56	1113.19	1075.61	918.73	786.32	667.46	533.87
225.0	1862.44	1707.19	1537.31	1380.38	1108.41	1035.23	897.98	767.03	645.24
270.0	1911.94	1780.31	1621.13	1470.94	1296.00	1126.13	980.44	825.19	685.69
315.0	1793.25	1631.81	1477.69	1303.31	1109.25	983.48	815.34	706.28	591.58
360.0	1802.81	1642.50	1514.25	1326.38	1154.81	1024.88	849.38	721.69	606.94

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	482.63	397.69	325.69	286.31	199.91	161.89	125.27	103.33	86.57
45.0	390.38	316.13	284.63	189.68	152.49	122.12	98.21	83.36	70.48
90.0	383.74	309.38	248.68	189.11	152.89	124.99	101.59	84.04	72.39
135.0	474.19	378.56	299.25	290.25	187.59	148.33	118.29	97.76	81.23
180.0	440.55	360.28	284.40	223.03	179.72	141.86	113.57	94.67	78.75
225.0	514.18	424.07	346.39	265.61	213.08	171.45	134.72	107.94	90.28
270.0	575.44	489.38	372.38	302.63	286.31	189.45	149.68	122.12	98.44
315.0	458.04	385.48	313.88	233.83	193.33	156.32	124.20	100.58	84.99
360.0	482.63	397.69	325.69	286.31	199.91	161.89	125.27	103.33	86.57

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	72.45	62.21	55.18	48.77	43.54	39.60	35.94	33.13	30.49
45.0	61.03	53.72	47.81	43.31	39.04	35.61	32.85	30.32	27.90
90.0	62.27	55.18	48.66	43.26	39.43	35.83	32.79	30.43	28.24
135.0	69.02	60.53	52.88	47.08	41.91	37.69	34.54	31.44	28.86
180.0	68.34	59.29	52.03	46.52	42.13	37.58	34.65	32.06	29.19
225.0	75.32	65.53	56.98	50.51	45.79	41.29	37.41	34.48	31.95
270.0	81.34	69.92	60.30	53.61	47.59	42.53	38.87	35.38	32.34
315.0	71.83	62.78	54.84	48.43	43.71	39.26	35.49	32.57	30.15
360.0	72.45	62.21	55.18	48.77	43.54	39.60	35.94	33.13	30.49

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	28.13	26.16	24.47	22.61	21.15	19.80	18.34	17.21	16.14
45.0	26.16	24.47	22.61	21.15	19.86	18.34	17.04	15.92	14.74
90.0	25.88	24.13	22.50	20.64	19.24	17.94	16.59	15.36	14.34
135.0	26.94	25.48	23.18	21.71	20.31	18.68	17.27	16.20	14.85
180.0	27.28	25.54	23.79	22.16	20.76	19.29	18.06	16.82	15.58
225.0	29.25	27.28	25.48	23.46	21.99	20.59	19.13	17.72	16.59
270.0	30.04	27.90	25.37	23.68	22.11	20.42	18.96	17.72	16.43
315.0	27.39	25.54	23.79	21.83	20.48	19.13	17.89	16.43	15.30
360.0	28.13	26.16	24.47	22.61	21.15	19.80	18.34	17.21	16.14

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	15.02	13.95	13.05	12.04	11.31	10.46	9.79	9.23	8.72
45.0	13.67	12.77	11.81	11.03	10.24	9.56	9.00	8.55	8.04
90.0	13.22	12.38	11.42	10.58	9.90	9.23	8.66	8.27	7.88
135.0	13.78	12.88	11.76	11.03	10.18	9.39	8.89	8.44	7.88
180.0	14.57	13.56	12.54	11.76	10.97	10.13	9.56	9.06	8.49
225.0	15.36	14.29	13.22	12.21	11.42	10.58	9.84	9.23	8.78
270.0	15.13	14.12	13.11	12.15	11.19	10.35	9.68	9.06	8.49
315.0	14.34	13.16	12.09	11.36	10.46	9.68	9.17	8.61	8.10
360.0	15.02	13.95	13.05	12.04	11.31	10.46	9.79	9.23	8.72
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	8.21	7.88	7.54	7.26	7.03	6.75	6.47	6.30	6.08
45.0	7.71	7.43	7.14	6.86	6.69	6.47	6.24	6.08	5.91
90.0	7.48	7.20	6.98	6.75	6.53	6.36	6.08	5.96	5.79
135.0	7.59	7.26	6.98	6.69	6.53	6.30	6.13	5.96	5.79
180.0	8.04	7.76	7.37	7.09	6.86	6.64	6.41	6.13	5.96
225.0	8.21	7.88	7.59	7.26	6.98	6.75	6.53	6.30	6.13
270.0	8.04	7.71	7.31	7.09	6.86	6.64	6.41	6.24	6.02
315.0	7.76	7.37	7.14	6.86	6.64	6.41	6.24	6.08	5.91
360.0	8.21	7.88	7.54	7.26	7.03	6.75	6.47	6.30	6.08
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	5.91	5.74	5.57	5.40	5.23	5.12	5.01	4.89	4.73
45.0	5.74	5.57	5.40	5.29	5.18	5.01	4.89	4.78	4.67
90.0	5.63	5.51	5.40	5.23	5.18	5.06	4.95	4.84	4.73
135.0	5.68	5.51	5.40	5.29	5.18	5.12	5.34	6.02	7.59
180.0	5.79	5.63	5.40	5.29	5.18	5.01	4.89	4.73	4.61
225.0	5.96	5.79	5.68	5.51	5.34	5.23	5.12	5.01	4.84
270.0	5.85	5.74	5.63	5.46	5.34	5.23	5.12	5.01	4.89
315.0	5.74	5.63	5.51	5.34	5.29	5.18	5.18	5.85	7.09
360.0	5.91	5.74	5.57	5.40	5.23	5.12	5.01	4.89	4.73
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	4.61	4.50	4.39	4.22	4.11	3.99	3.88	3.77	3.66
45.0	4.56	4.44	4.33	4.16	4.05	3.99	3.88	3.77	3.66
90.0	4.61	4.50	4.44	4.39	4.44	4.56	4.56	4.50	4.16
135.0	9.68	11.98	14.57	17.04	18.84	19.74	19.13	17.27	14.46
180.0	4.50	4.39	4.22	4.11	3.99	3.88	3.83	3.66	3.54
225.0	4.73	4.61	4.50	4.39	4.28	4.16	4.05	3.94	3.83
270.0	4.78	4.67	4.50	4.44	4.33	4.33	4.39	4.44	4.44
315.0	9.51	12.49	15.36	17.83	20.53	21.88	21.83	19.29	15.69
360.0	4.61	4.50	4.39	4.22	4.11	3.99	3.88	3.77	3.66
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	3.54	3.43	3.32	3.21	3.04	2.93	2.81	2.70	2.64
45.0	3.54	3.43	3.26	3.21	3.09	2.93	2.87	2.70	2.70
90.0	3.77	3.60	3.49	3.26	3.09	2.98	2.76	2.70	2.59
135.0	11.25	7.93	4.61	3.83	3.60	3.38	3.04	2.76	2.64
180.0	3.49	3.38	3.26	3.09	3.04	2.87	2.76	2.70	2.59
225.0	3.71	3.60	3.49	3.38	3.26	3.15	2.98	2.87	2.76
270.0	4.39	4.05	3.66	3.54	3.38	3.15	3.04	2.81	2.70
315.0	12.43	8.49	4.78	3.88	3.71	3.32	2.87	2.76	2.64
360.0	3.54	3.43	3.32	3.21	3.04	2.93	2.81	2.70	2.64

Intensity data(cd)

Appendix Page: 19 Total:19

C/ γ (°)	90.0
0.0	2.59
45.0	2.70
90.0	2.59
135.0	2.59
180.0	2.59
225.0	2.70
270.0	2.59
315.0	2.64
360.0	2.59