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NATA

LumCAT: 1405-N	
Luminaire: 92.70.051.00	
Report No: NATA0100	Voltage(V): 10.2400
Test No: GC2019010815	Current(A): 0.6000
LampCAT: BRIDGELUX V6	Power (W): 6.1440
Lamp flux(lm): 519.0	PF: 0.0000
Number of Lamps: 1	Ballast type: DC
Length(mm): 39	Width(mm): 39
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 444.88
Efficiency(%): 85.72%
Lumens(lm)/Power(W): 72.46
Central intensity(cd): 1388.672
Maximum intensity(cd): 1388.672
Angle of maximum intensity: C=0.0 γ =0.0
Beam Angle(50%Imax): [C0/180]Total=18.8
 [C90/270]Total=18.8
Field angle(10%Imax): [C0/180]Total=64.5
 [C90/270]Total=64.5
Maximum s/h(1/2): C0_180=0.32 C90_270=0.32
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(%): 85.78%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 95.433%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	1388.672	0.332	0.332	.064%	.075%
1.0	1376.156	2.634	2.966	.507%	.667%
2.0	1339.734	5.127	8.093	.988%	1.819%
3.0	1269.795	7.288	15.381	1.404%	3.457%
4.0	1194.138	9.135	24.516	1.760%	5.511%
5.0	1109.384	10.603	35.119	2.043%	7.894%
6.0	1019.384	11.685	46.803	2.251%	10.520%
7.0	918.338	12.273	59.076	2.365%	13.279%
8.0	825.567	12.600	71.676	2.428%	16.111%
9.0	730.666	12.534	84.21	2.415%	18.929%
10.0	643.584	12.255	96.466	2.361%	21.683%
11.0	570.080	11.929	108.394	2.298%	24.365%
12.0	506.173	11.541	119.935	2.224%	26.959%
13.0	445.486	10.989	130.924	2.117%	29.429%
14.0	395.571	10.494	141.419	2.022%	31.788%
15.0	355.753	10.097	151.516	1.945%	34.057%
16.0	320.302	9.682	161.197	1.865%	36.234%
17.0	293.548	9.412	170.609	1.813%	38.349%
18.0	273.059	9.253	179.862	1.783%	40.429%
19.0	251.269	8.971	188.833	1.728%	42.446%
20.0	233.543	8.759	197.592	1.688%	44.414%
21.0	220.029	8.647	206.239	1.666%	46.358%
22.0	208.498	8.565	214.804	1.650%	48.283%
23.0	198.858	8.521	223.325	1.642%	50.199%
24.0	189.879	8.469	231.794	1.632%	52.102%
25.0	182.004	8.435	240.229	1.625%	53.998%
26.0	175.212	8.423	248.652	1.623%	55.891%
27.0	168.497	8.389	257.04	1.616%	57.777%
28.0	162.647	8.373	265.414	1.613%	59.659%
29.0	156.783	8.335	273.749	1.606%	61.533%
30.0	151.390	8.301	282.05	1.599%	63.399%
31.0	145.842	8.237	290.287	1.587%	65.250%
32.0	140.245	8.150	298.437	1.570%	67.082%
33.0	134.909	8.057	306.494	1.553%	68.893%
34.0	129.150	7.920	314.414	1.526%	70.673%
35.0	123.602	7.774	322.189	1.498%	72.421%
36.0	117.506	7.574	329.763	1.459%	74.123%
37.0	111.635	7.367	337.13	1.420%	75.779%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	105.202	7.103	344.233	1.369%	77.376%
39.0	98.761	6.816	351.048	1.313%	78.908%
40.0	92.313	6.507	357.555	1.254%	80.371%
41.0	85.943	6.183	363.738	1.191%	81.760%
42.0	79.320	5.820	369.559	1.121%	83.069%
43.0	72.907	5.453	375.011	1.051%	84.294%
44.0	66.860	5.093	380.105	.981%	85.439%
45.0	60.926	4.724	384.829	.910%	86.501%
46.0	55.470	4.376	389.204	.843%	87.485%
47.0	50.351	4.038	393.243	.778%	88.392%
48.0	45.858	3.737	396.98	.720%	89.232%
49.0	41.365	3.423	400.403	.660%	90.002%
50.0	37.364	3.139	403.542	.605%	90.707%
51.0	34.116	2.907	406.449	.560%	91.361%
52.0	31.134	2.690	409.14	.518%	91.966%
53.0	28.287	2.477	411.617	.477%	92.523%
54.0	25.896	2.297	413.915	.443%	93.039%
55.0	23.836	2.141	416.056	.413%	93.520%
56.0	21.916	1.992	418.048	.384%	93.968%
57.0	20.384	1.875	419.923	.361%	94.389%
58.0	18.788	1.747	421.67	.337%	94.782%
59.0	17.522	1.647	423.317	.317%	95.152%
60.0	16.313	1.549	424.866	.298%	95.501%
61.0	15.159	1.454	426.32	.280%	95.827%
62.0	14.168	1.372	427.692	.264%	96.136%
63.0	13.289	1.298	428.991	.250%	96.428%
64.0	12.368	1.219	430.21	.235%	96.702%
65.0	11.566	1.150	431.359	.221%	96.960%
66.0	10.877	1.090	432.449	.210%	97.205%
67.0	10.153	1.025	433.474	.197%	97.435%
68.0	9.527	0.969	434.442	.187%	97.653%
69.0	8.909	0.912	435.354	.176%	97.858%
70.0	8.346	0.860	436.214	.166%	98.051%
71.0	7.791	0.808	437.022	.156%	98.233%
72.0	7.263	0.758	437.78	.146%	98.403%
73.0	6.771	0.710	438.49	.137%	98.563%
74.0	6.307	0.665	439.155	.128%	98.712%
75.0	5.864	0.621	439.776	.120%	98.852%

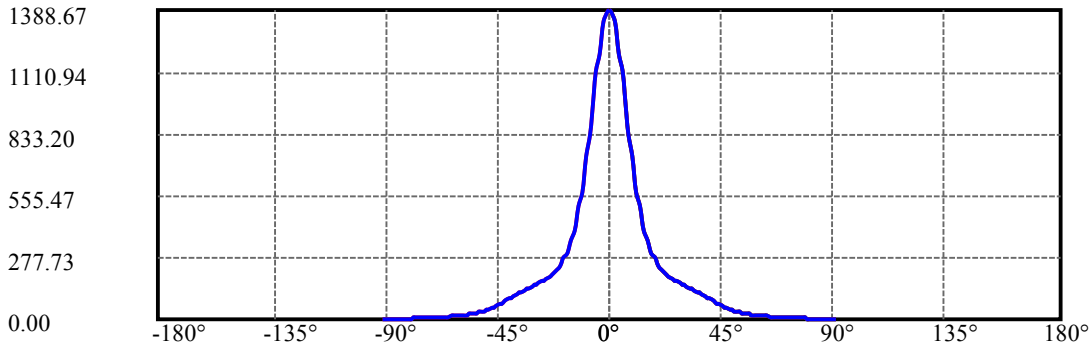
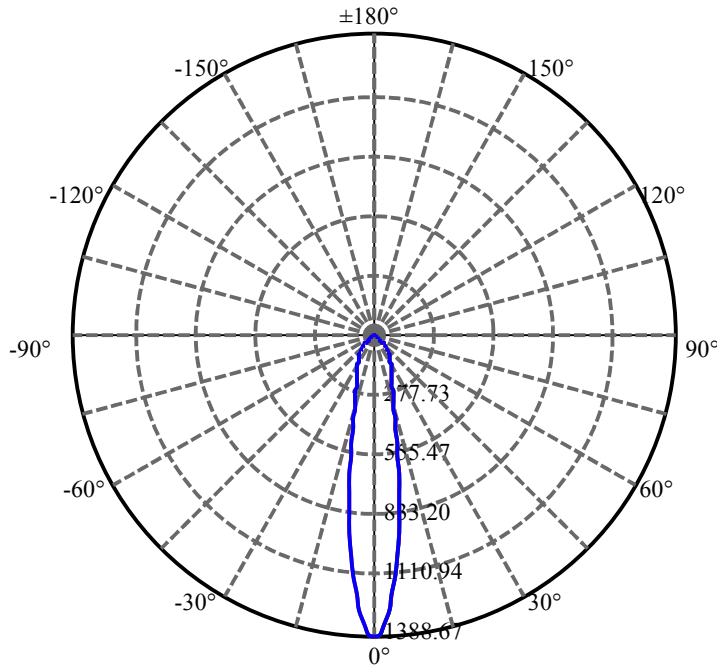
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	5.414	0.576	440.352	.111%	98.981%
77.0	5.006	0.535	440.887	.103%	99.102%
78.0	4.605	0.494	441.381	.095%	99.213%
79.0	4.233	0.456	441.836	.088%	99.315%
80.0	3.881	0.419	442.256	.081%	99.409%
81.0	3.544	0.384	442.639	.074%	99.496%
82.0	3.234	0.351	442.991	.068%	99.575%
83.0	2.960	0.322	443.313	.062%	99.647%
84.0	2.714	0.296	443.609	.057%	99.714%
85.0	2.482	0.271	443.88	.052%	99.775%
86.0	2.278	0.249	444.129	.048%	99.831%
87.0	2.109	0.231	444.36	.045%	99.882%
88.0	1.983	0.217	444.578	.042%	99.931%
89.0	1.877	0.206	444.783	.040%	99.978%
90.0	1.821	0.100	444.883	.019%	100.000%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	282.05	54.34%	63.40%
0-40	357.56	68.89%	80.37%
0-60	424.87	81.86%	95.50%
0-90	444.78	85.70%	99.98%
0-120	444.78	85.70%	99.98%
0-180	444.88	85.72%	100.00%
60-90	21.47	4.14%	4.83%
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%
0-39.75	355.91	68.58%	80.00%

ZONAL LUMEN SUMMARY

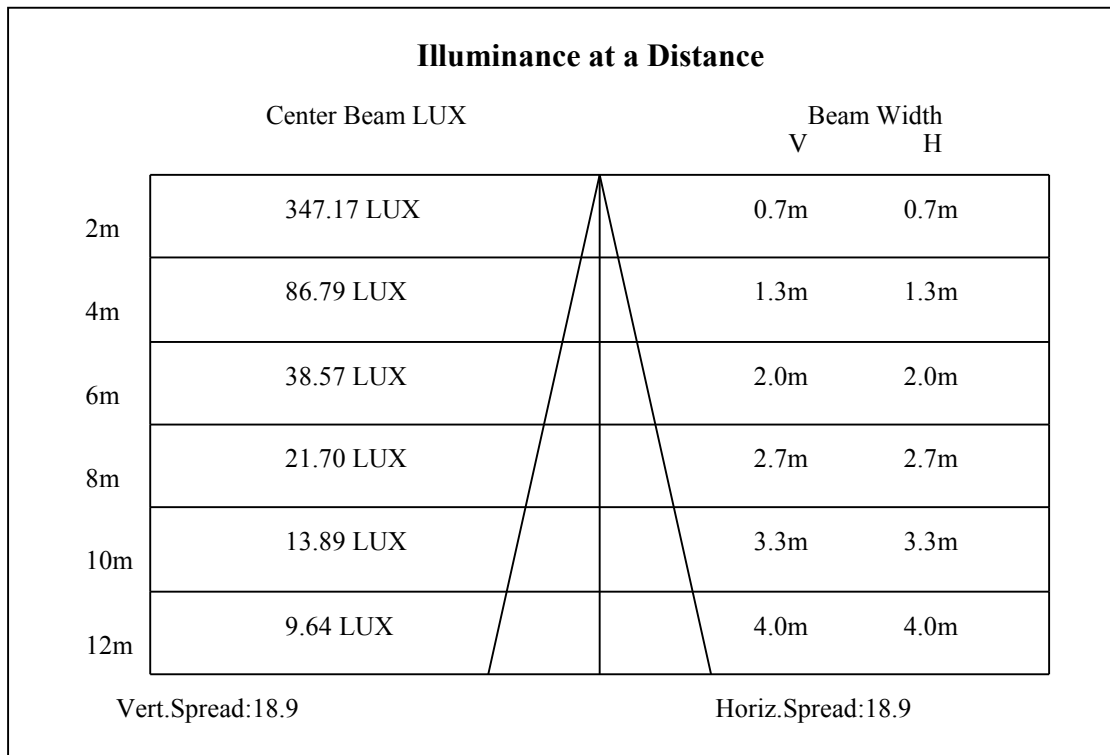
0-10	96.47
10-20	101.13
20-30	84.46
30-40	75.51
40-50	45.99
50-60	21.32
60-70	11.35
70-80	6.04
80-90	2.53
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

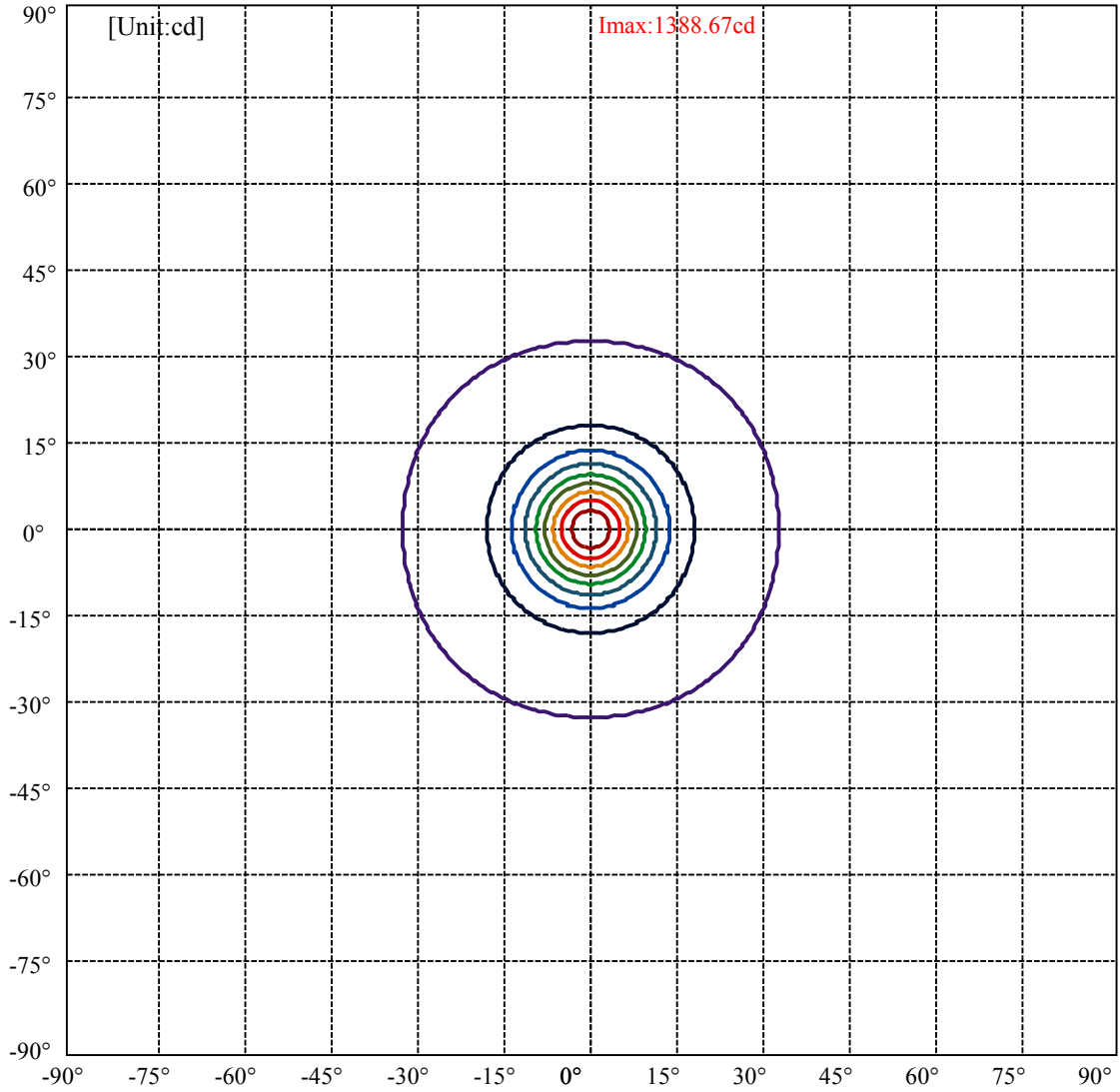


C0(Max): —————
C0/C180: —————
C90/C270: —————

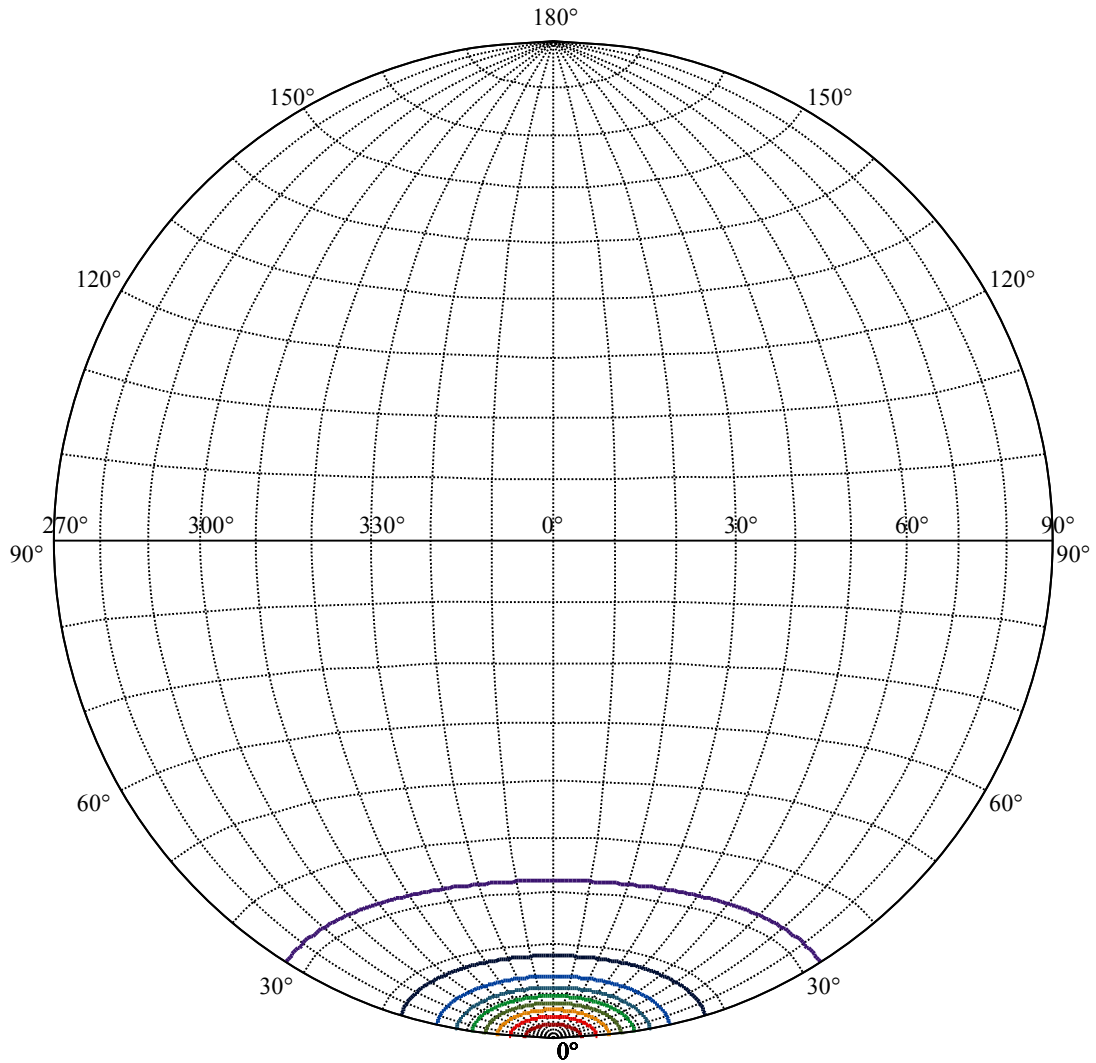
Field angle(10%Imax):C0/180Left:32.3 Right:32.3
:C90/270Left:32.3 Right:32.3

Beam Angle(50%Imax):C0/180Left:9.4 Right:9.4
:C90/270Left:9.4 Right:9.4





(10%Imax) 138.867	—
(20%Imax) 277.734	—
(30%Imax) 416.602	—
(40%Imax) 555.469	—
(50%Imax) 694.336	—
(60%Imax) 833.203	—
(70%Imax) 972.07	—
(80%Imax) 1110.94	—
(90%Imax) 1249.8	—



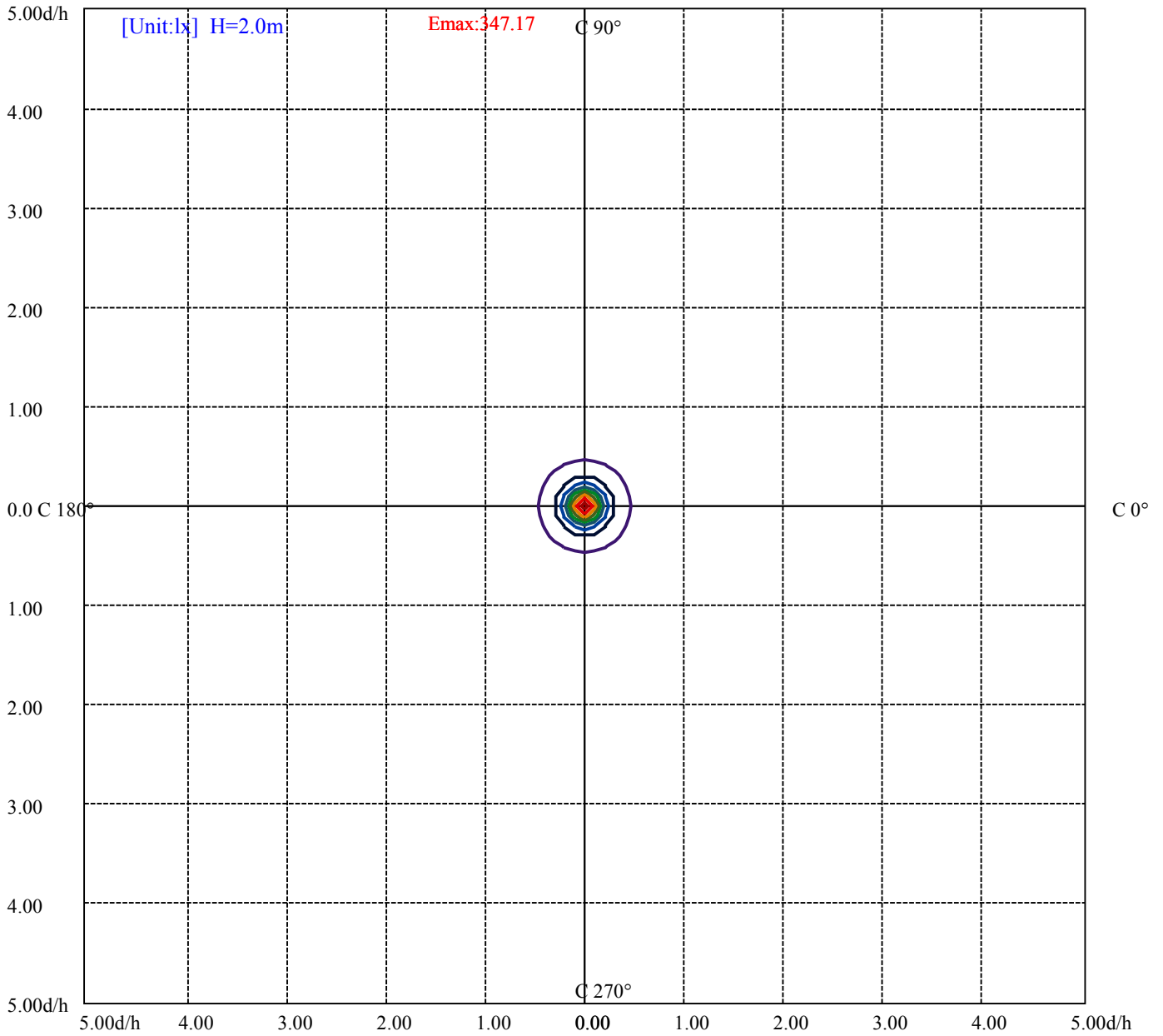
House

[Unit:cd]

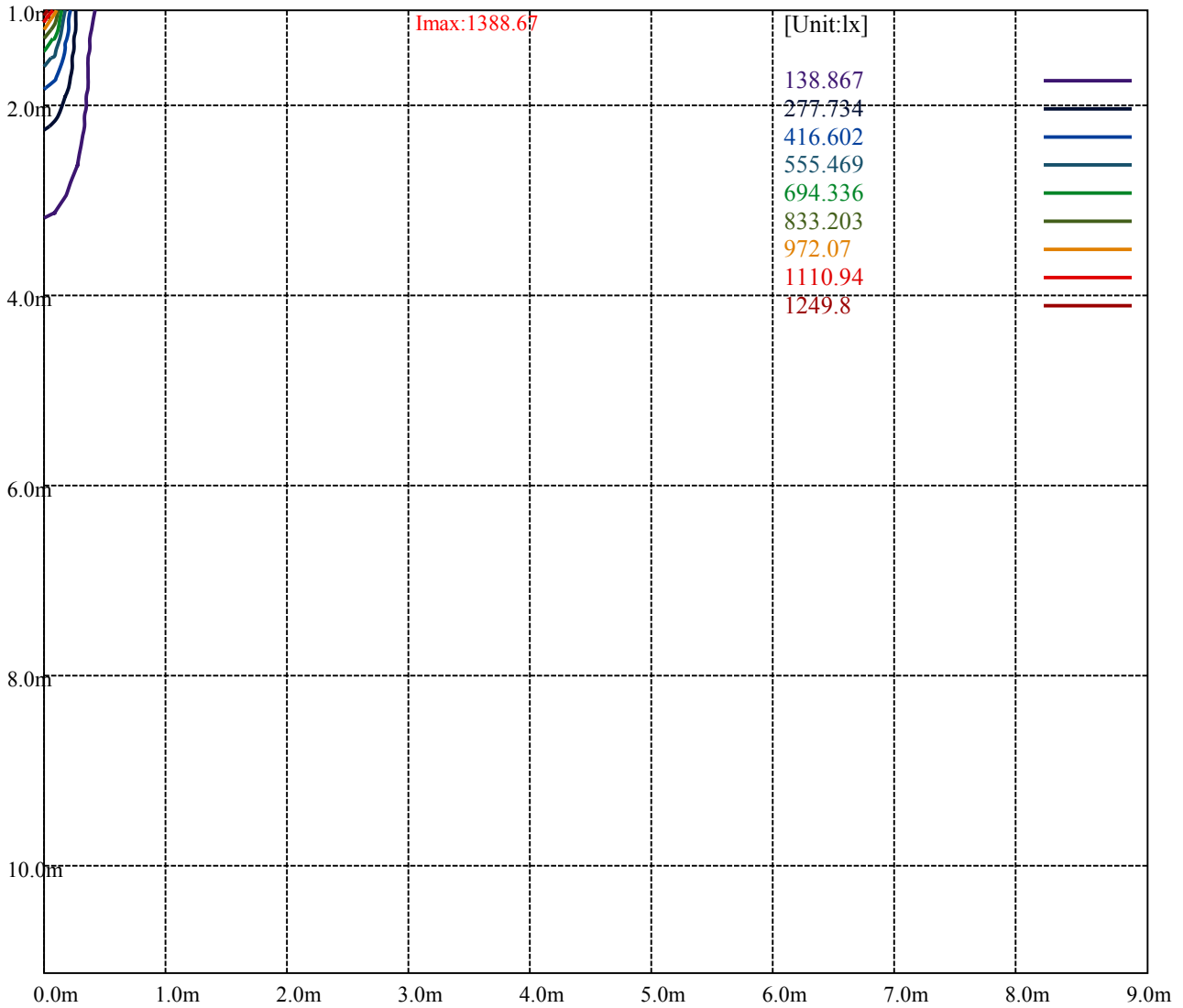
Road

Imax:1388.67

(10%Imax) 138.867	—
(20%Imax) 277.734	—
(30%Imax) 416.602	—
(40%Imax) 555.469	—
(50%Imax) 694.336	—
(60%Imax) 833.203	—
(70%Imax) 972.07	—
(80%Imax) 1110.94	—
(90%Imax) 1249.8	—



- (10%Emax) 34.71675
- (20%Emax) 69.4335
- (30%Emax) 104.1503
- (40%Emax) 138.867
- (50%Emax) 173.5838
- (60%Emax) 208.3005
- (70%Emax) 243.0172
- (80%Emax) 277.735
- (90%Emax) 312.45



Luminance Table

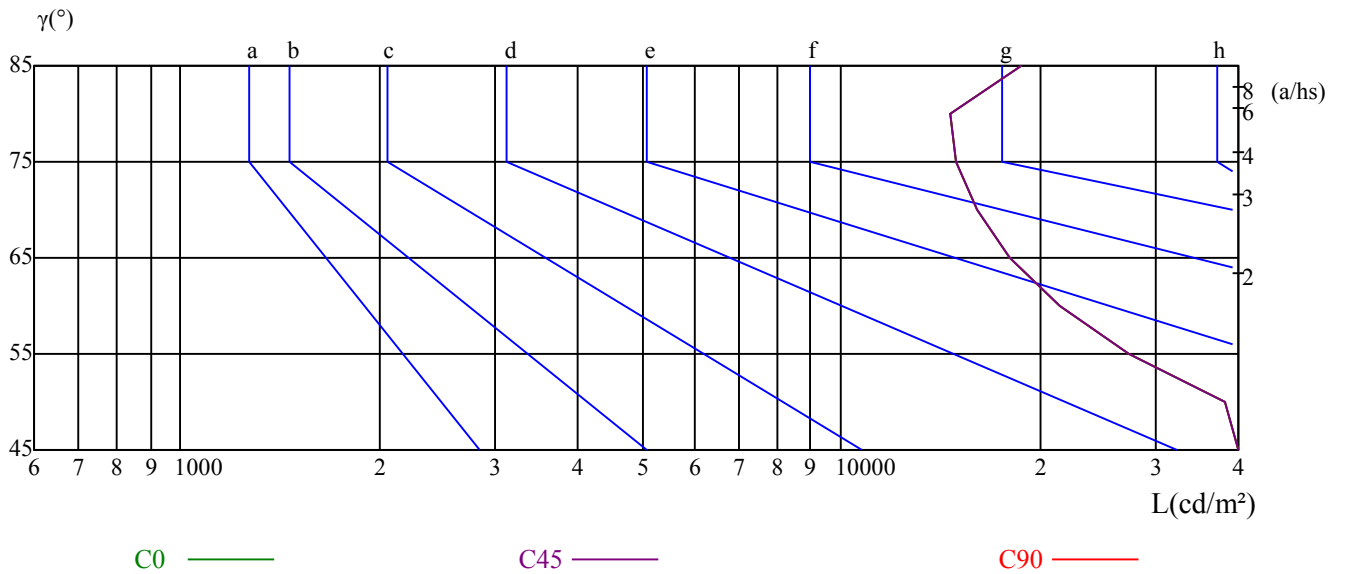
γ	45	50	55	60	65	70	75	80	85
C0	56648	38217	27322	21450	17994	16044	14896	14695	18723
C45	56648	38217	27322	21450	17994	16044	14896	14695	18723
C90	56648	38217	27322	21450	17994	16044	14896	14695	18723

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
17994	17994	17994	14896	14896	14896	18723	18723	18723

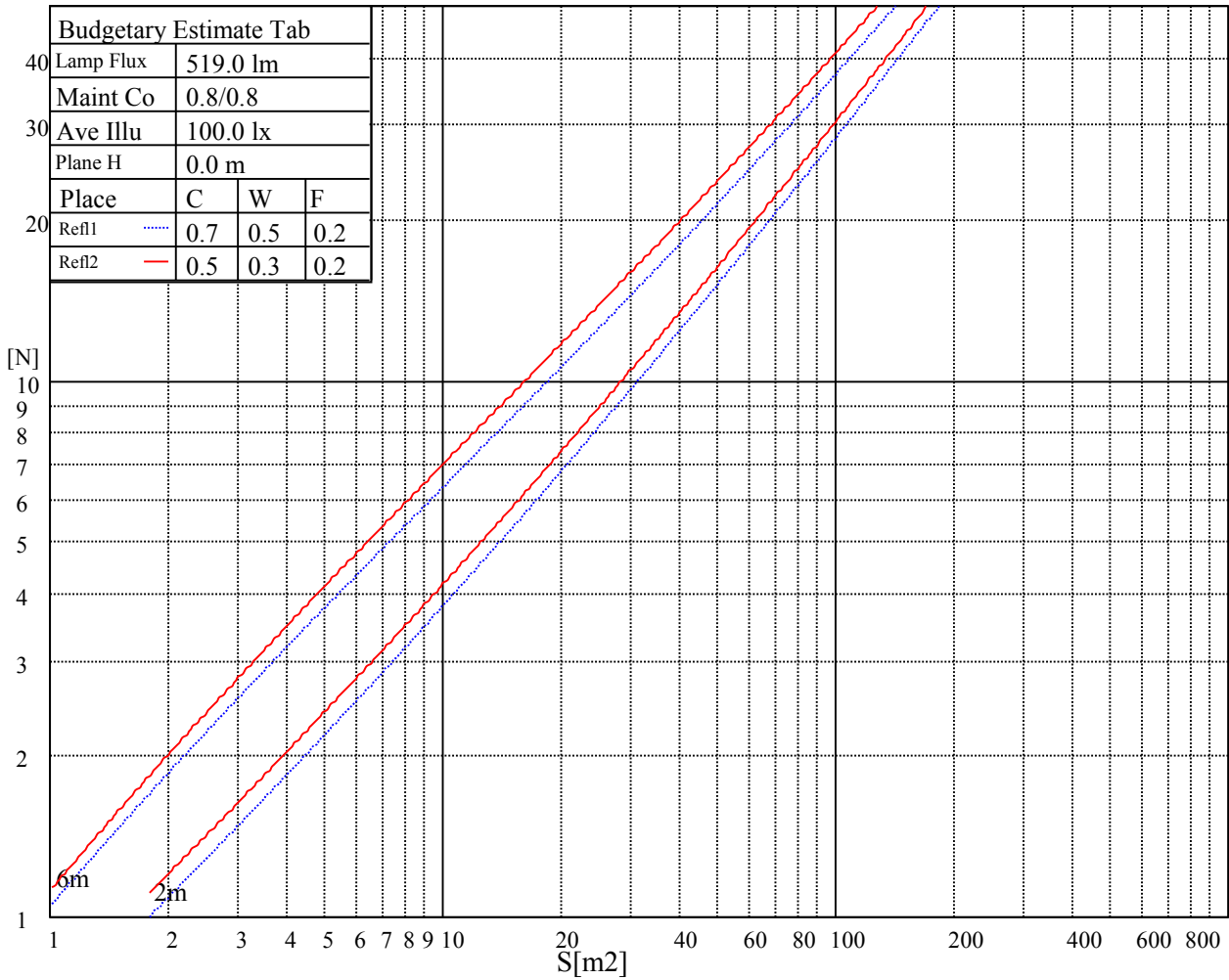
Glare Table

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

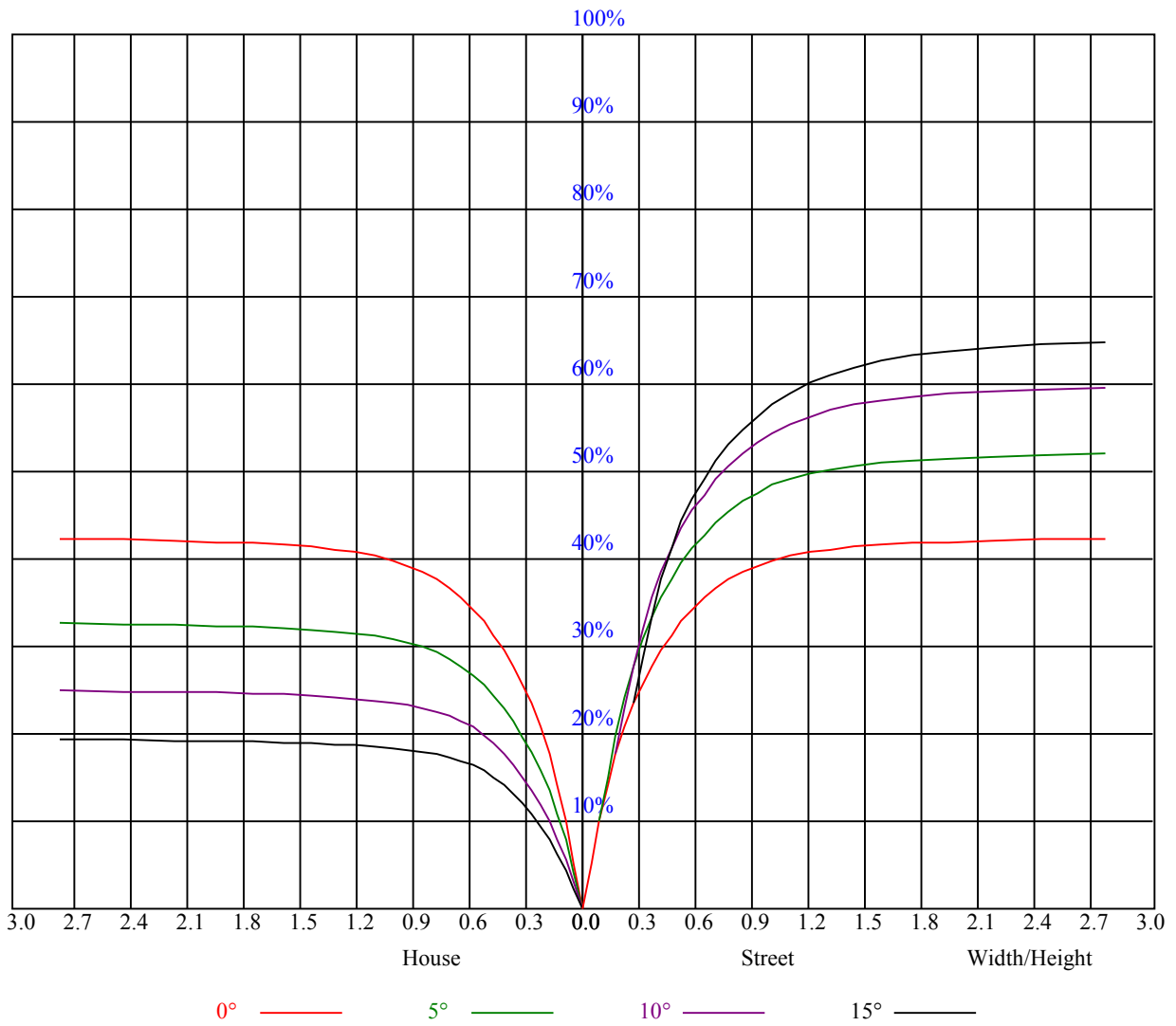
Luminance Limiting Curve



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	22.00	23.16	22.36	23.47	23.79	22.27	23.43	22.64	23.74	24.06
	3H	23.04	24.07	23.42	24.40	24.77	23.32	24.34	23.70	24.67	25.04
	4H	23.45	24.41	23.86	24.76	25.15	23.75	24.70	24.15	25.05	25.44
	6H	23.80	24.67	24.21	25.04	25.44	24.12	24.99	24.54	25.37	25.76
	8H	23.95	24.77	24.38	25.16	25.57	24.29	25.11	24.72	25.50	25.91
	12H	24.21	24.99	24.64	25.38	25.81	24.58	25.37	25.02	25.75	26.18
4H	2H	22.30	23.25	22.70	23.60	23.99	22.53	23.48	22.93	23.83	24.22
	3H	23.56	24.34	23.98	24.75	25.15	23.80	24.57	24.21	24.98	25.39
	4H	24.10	24.80	24.54	25.22	25.66	24.35	25.05	24.79	25.47	25.92
	6H	24.51	25.11	24.98	25.56	26.03	24.79	25.39	25.26	25.84	26.31
	8H	24.72	25.28	25.20	25.73	26.20	25.03	25.59	25.51	26.04	26.51
	12H	25.03	25.52	25.52	26.00	26.48	25.38	25.87	25.87	26.35	26.83
8H	4H	24.28	24.84	24.75	25.29	25.76	24.51	25.07	24.98	25.52	25.99
	6H	24.84	25.29	25.35	25.79	26.27	25.10	25.55	25.61	26.05	26.53
	8H	25.16	25.56	25.69	26.08	26.58	25.45	25.85	25.97	26.37	26.86
	12H	25.97	26.32	26.49	26.82	27.40	26.29	26.64	26.81	27.14	27.71
12H	4H	24.28	24.77	24.77	25.26	25.74	24.51	25.00	25.00	25.48	25.96
	6H	25.34	25.30	25.43	25.77	26.32	25.59	25.55	25.68	26.02	26.57
	8H	25.29	25.64	25.80	26.14	26.71	25.56	25.91	26.08	26.41	26.99
Variation with the observer position at spacings:											
S = 1.0H	1.1/-1.9					1.1/-1.9					
S = 1.5H	2.1/-2.4					2.1/-2.4					
S = 2.0H	3.9/-2.5					3.9/-2.5					
Standard tables:	BK2					BK2					
Uncorrected UGR	5.7					5.7					



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	1.02	1.02	1.02	1.00	1.00	1.00	0.95	0.95	0.95	0.91	0.91	0.91	0.88	0.88	0.88	0.86
1	0.94	0.92	0.90	0.92	0.90	0.88	0.89	0.87	0.85	0.86	0.84	0.83	0.83	0.82	0.81	0.79
2	0.87	0.83	0.80	0.86	0.82	0.79	0.83	0.80	0.77	0.80	0.78	0.76	0.78	0.76	0.74	0.73
3	0.81	0.76	0.73	0.80	0.75	0.72	0.77	0.74	0.71	0.75	0.72	0.70	0.73	0.71	0.69	0.67
4	0.75	0.70	0.67	0.74	0.70	0.66	0.73	0.69	0.65	0.71	0.67	0.65	0.69	0.66	0.64	0.63
5	0.71	0.66	0.62	0.70	0.65	0.61	0.68	0.64	0.61	0.67	0.63	0.60	0.66	0.62	0.60	0.58
6	0.67	0.61	0.58	0.66	0.61	0.57	0.65	0.60	0.57	0.63	0.59	0.57	0.62	0.59	0.56	0.55
7	0.63	0.58	0.54	0.62	0.57	0.54	0.61	0.57	0.54	0.60	0.56	0.53	0.59	0.56	0.53	0.52
8	0.60	0.54	0.51	0.59	0.54	0.51	0.58	0.54	0.51	0.57	0.53	0.50	0.56	0.53	0.50	0.49
9	0.57	0.52	0.48	0.56	0.51	0.48	0.55	0.51	0.48	0.55	0.51	0.48	0.54	0.50	0.48	0.47
10	0.54	0.49	0.46	0.54	0.49	0.46	0.53	0.49	0.46	0.52	0.48	0.46	0.52	0.48	0.45	0.44



NATA 1405-N

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	1381.50	1400.06	1393.88	1358.44	1303.88	1223.44	1126.69	1032.75	937.69
45.0	1391.06	1396.69	1371.94	1329.75	1277.44	1175.06	1086.75	1004.06	886.50
90.0	1388.25	1362.94	1317.38	1238.06	1114.48	1070.49	966.94	862.59	774.00
135.0	1393.88	1364.63	1308.38	1242.00	1152.00	1054.13	963.00	859.50	774.00
180.0	1381.50	1334.81	1275.75	1116.17	1094.57	1005.98	915.02	803.81	721.69
225.0	1391.06	1364.06	1311.19	1237.50	1114.37	1070.61	969.19	868.78	783.00
270.0	1388.25	1391.06	1365.75	1320.75	1247.63	1157.06	1067.06	961.88	868.50
315.0	1393.88	1395.00	1373.63	1315.69	1248.75	1118.31	1060.43	953.33	859.16
360.0	1381.50	1400.06	1393.88	1358.44	1303.88	1223.44	1126.69	1032.75	937.69
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	821.81	734.06	652.50	579.94	501.75	448.31	397.69	356.06	325.69
45.0	784.13	707.63	608.63	539.44	478.69	414.00	371.81	335.81	302.06
90.0	680.29	596.08	530.04	465.53	415.74	368.27	329.06	300.26	275.79
135.0	684.56	603.00	538.88	482.63	422.44	381.38	346.50	309.38	286.31
180.0	645.81	561.83	503.49	452.98	403.76	362.25	331.31	302.18	280.29
225.0	692.10	608.91	542.42	477.23	427.16	379.46	340.14	310.33	285.36
270.0	768.38	674.44	597.94	531.56	458.44	408.38	366.19	322.31	294.19
315.0	768.26	662.74	586.74	520.09	455.91	402.53	363.32	326.08	298.69
360.0	821.81	734.06	652.50	579.94	501.75	448.31	397.69	356.06	325.69
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	299.81	286.31	255.04	240.24	226.01	215.16	204.36	194.85	187.20
45.0	284.06	257.18	238.05	225.73	214.43	203.51	194.79	188.04	180.90
90.0	250.48	233.94	220.11	205.48	195.53	186.98	177.41	170.61	164.03
135.0	272.03	244.52	228.77	217.29	205.43	196.14	187.43	180.06	173.53
180.0	259.31	241.88	229.05	216.39	205.54	197.16	189.73	181.24	175.05
225.0	260.21	243.62	229.61	215.10	204.92	196.14	187.48	179.89	173.76
270.0	284.63	249.30	229.50	216.28	204.86	194.01	184.50	177.08	169.54
315.0	273.94	253.41	238.22	223.71	211.28	201.77	193.33	184.28	177.69
360.0	299.81	286.31	255.04	240.24	226.01	215.16	204.36	194.85	187.20
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	179.21	172.07	166.05	160.48	153.68	148.22	142.88	136.07	130.56
45.0	174.09	168.69	162.68	157.61	152.10	146.25	140.85	135.06	128.98
90.0	156.60	151.65	145.41	138.66	134.04	128.14	121.33	116.61	111.26
135.0	166.95	160.93	155.70	150.86	145.01	139.61	135.06	128.87	123.53
180.0	169.37	163.18	157.05	151.82	145.97	140.12	134.94	128.87	123.36
225.0	167.34	161.89	156.15	150.41	145.41	139.84	134.10	128.81	123.36
270.0	162.62	157.11	151.26	146.36	141.08	135.79	131.18	125.94	120.32
315.0	171.79	165.66	159.98	154.91	149.46	144.00	138.94	132.98	127.46
360.0	179.21	172.07	166.05	160.48	153.68	148.22	142.88	136.07	130.56
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	124.88	118.29	111.54	105.36	98.44	92.31	85.44	78.69	72.84
45.0	123.30	117.51	110.14	104.12	97.88	90.68	83.48	77.40	70.71
90.0	103.78	99.06	93.38	87.13	80.72	75.21	69.19	63.51	58.67
135.0	118.29	112.11	105.36	99.45	92.53	86.29	79.43	73.52	66.99
180.0	116.83	110.31	104.06	97.09	89.89	83.48	77.18	69.58	63.84
225.0	116.33	110.76	104.85	97.31	91.29	85.16	78.30	71.78	66.15
270.0	115.43	110.31	103.44	97.88	92.93	85.78	79.14	73.97	66.71
315.0	121.22	114.75	108.84	101.76	94.84	88.65	82.41	74.81	68.96
360.0	124.88	118.29	111.54	105.36	98.44	92.31	85.44	78.69	72.84

NATA 1405-N

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	66.60	60.64	55.69	50.79	45.11	40.95	37.29	33.64	30.43
45.0	64.29	59.01	53.38	48.77	43.99	39.66	36.28	33.24	29.64
90.0	53.44	48.99	44.55	40.50	37.13	33.75	30.77	28.29	26.16
135.0	60.92	55.41	50.74	46.46	42.02	38.14	35.10	32.29	28.91
180.0	58.39	52.31	47.81	43.71	39.49	35.78	32.85	29.81	27.45
225.0	60.02	54.84	49.33	44.44	40.44	36.28	32.68	29.87	27.34
270.0	60.47	55.35	49.73	45.17	40.44	36.28	33.13	30.26	27.28
315.0	63.28	57.21	51.58	47.03	42.30	38.08	34.82	31.67	29.08
360.0	66.60	60.64	55.69	50.79	45.11	40.95	37.29	33.64	30.43
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	27.96	25.48	23.46	21.77	20.14	18.79	17.44	16.14	15.13
45.0	27.23	25.09	22.67	21.04	19.46	18.00	16.65	15.53	14.40
90.0	23.74	22.11	20.59	19.18	17.55	16.48	15.41	14.29	13.39
135.0	26.66	24.53	22.28	20.81	19.24	17.94	16.65	15.64	14.51
180.0	25.14	23.06	21.43	19.97	18.28	17.10	16.03	14.79	13.89
225.0	24.69	22.84	21.15	19.52	18.00	16.82	15.58	14.51	13.61
270.0	25.14	23.23	21.15	19.74	18.39	17.10	15.92	14.91	13.89
315.0	26.61	24.36	22.61	21.04	19.24	17.94	16.82	15.47	14.51
360.0	27.96	25.48	23.46	21.77	20.14	18.79	17.44	16.14	15.13
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	14.23	13.16	12.43	11.70	10.91	10.29	9.68	9.06	8.44
45.0	13.50	12.54	11.70	11.03	10.29	9.56	9.00	8.49	7.93
90.0	12.60	11.76	10.97	10.35	9.68	9.11	8.44	7.88	7.43
135.0	13.67	12.60	11.81	11.14	10.35	9.68	9.11	8.61	7.93
180.0	13.05	12.04	11.31	10.63	9.90	9.28	8.72	7.99	7.54
225.0	12.66	11.93	11.08	10.35	9.73	9.17	8.44	7.93	7.48
270.0	13.05	12.21	11.42	10.74	10.01	9.39	8.83	8.33	7.65
315.0	13.56	12.71	11.81	11.08	10.35	9.73	9.06	8.49	7.93
360.0	14.23	13.16	12.43	11.70	10.91	10.29	9.68	9.06	8.44
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	7.93	7.43	6.98	6.53	6.08	5.68	5.23	4.84	4.56
45.0	7.48	6.92	6.47	6.02	5.68	5.18	4.78	4.44	4.05
90.0	6.86	6.36	5.91	5.51	5.01	4.61	4.28	3.88	3.54
135.0	7.43	6.92	6.36	5.91	5.46	4.95	4.56	4.16	3.83
180.0	7.03	6.53	6.02	5.63	5.06	4.73	4.28	3.88	3.54
225.0	6.86	6.41	6.02	5.51	5.12	4.78	4.33	4.05	3.66
270.0	7.14	6.69	6.24	5.74	5.34	4.95	4.56	4.22	3.83
315.0	7.37	6.92	6.47	6.08	5.57	5.18	4.84	4.39	4.05
360.0	7.93	7.43	6.98	6.53	6.08	5.68	5.23	4.84	4.56
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	4.16	3.83	3.54	3.26	2.98	2.70	2.48	2.25	2.19
45.0	3.77	3.43	3.09	2.87	2.64	2.42	2.31	2.08	1.97
90.0	3.21	2.93	2.64	2.42	2.19	2.03	1.86	1.80	1.74
135.0	3.38	3.09	2.87	2.59	2.36	2.14	2.03	1.91	1.80
180.0	3.26	2.93	2.64	2.48	2.25	2.08	1.91	1.86	1.74
225.0	3.32	3.04	2.81	2.53	2.36	2.19	2.03	1.91	1.80
270.0	3.49	3.21	2.93	2.64	2.42	2.14	2.03	1.91	1.80
315.0	3.77	3.43	3.15	2.93	2.64	2.53	2.25	2.14	1.97
360.0	4.16	3.83	3.54	3.26	2.98	2.70	2.48	2.25	2.19

Intensity data(cd)

C/ γ (°)	90.0
0.0	2.08
45.0	1.91
90.0	1.69
135.0	1.74
180.0	1.74
225.0	1.80
270.0	1.69
315.0	1.91
360.0	2.08