



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

NATA

LumCAT: 1534-E	
Luminaire: 92.70.043.00	
Report No: NATA0100	Voltage(V): 9.4000
Test No: GC2019010204	Current(A): 0.3000
LampCAT: CREE CXA1304	Power (W): 2.8200
Lamp flux(lm): 322.0	PF: 0.0000
Number of Lamps: 1	Ballast type: DC
Length(mm): 26	Width(mm): 26
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 274.95
Efficiency(%): 85.39%
Lumens(lm)/Power(W): 97.58
Central intensity(cd): 953.016
Maximum intensity(cd): 953.016
Angle of maximum intensity: C=0.0 γ =0.0
Beam Angle(50%Imax): [C0/180]Total=20.7
 [C90/270]Total=20.7
Field angle(10%Imax): [C0/180]Total=66.9
 [C90/270]Total=66.9
Maximum s/h(1/2): C0_180=0.35 C90_270=0.35
Maximum s/h(1/4): C0_180=0.39 C90_270=0.39
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 85.45%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 97.977%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	953.016	0.228	0.228	.071%	.083%
1.0	947.496	1.813	2.041	.563%	.742%
2.0	925.755	3.543	5.584	1.100%	2.031%
3.0	889.362	5.104	10.689	1.585%	3.888%
4.0	845.888	6.471	17.159	2.010%	6.241%
5.0	789.553	7.546	24.705	2.344%	8.986%
6.0	733.036	8.403	33.108	2.609%	12.042%
7.0	671.449	8.973	42.081	2.787%	15.305%
8.0	612.464	9.347	51.429	2.903%	18.705%
9.0	551.222	9.456	60.885	2.937%	22.144%
10.0	493.784	9.403	70.288	2.920%	25.564%
11.0	441.907	9.247	79.534	2.872%	28.927%
12.0	394.474	8.994	88.528	2.793%	32.198%
13.0	349.179	8.614	97.142	2.675%	35.331%
14.0	309.291	8.205	105.347	2.548%	38.315%
15.0	274.950	7.804	113.151	2.424%	41.154%
16.0	244.174	7.381	120.531	2.292%	43.838%
17.0	219.776	7.046	127.578	2.188%	46.401%
18.0	196.826	6.670	134.248	2.071%	48.827%
19.0	179.409	6.405	140.653	1.989%	51.156%
20.0	164.510	6.170	146.823	1.916%	53.401%
21.0	151.355	5.948	152.771	1.847%	55.564%
22.0	141.089	5.796	158.567	1.800%	57.672%
23.0	132.715	5.687	164.254	1.766%	59.740%
24.0	125.283	5.588	169.842	1.735%	61.773%
25.0	119.208	5.525	175.366	1.716%	63.782%
26.0	114.455	5.502	180.868	1.709%	65.783%
27.0	110.257	5.489	186.358	1.705%	67.780%
28.0	107.100	5.514	191.871	1.712%	69.785%
29.0	104.520	5.557	197.428	1.726%	71.806%
30.0	102.333	5.611	203.039	1.743%	73.847%
31.0	100.266	5.663	208.702	1.759%	75.906%
32.0	98.494	5.724	214.426	1.778%	77.988%
33.0	96.539	5.766	220.191	1.791%	80.085%
34.0	93.698	5.746	225.937	1.784%	82.175%
35.0	89.494	5.629	231.566	1.748%	84.222%
36.0	83.370	5.374	236.94	1.669%	86.177%
37.0	76.331	5.038	241.978	1.564%	88.009%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	67.971	4.589	246.567	1.425%	89.678%
39.0	58.887	4.064	250.63	1.262%	91.156%
40.0	50.351	3.549	254.18	1.102%	92.447%
41.0	41.766	3.005	257.184	.933%	93.540%
42.0	32.808	2.407	259.592	.748%	94.415%
43.0	24.532	1.835	261.426	.570%	95.083%
44.0	17.916	1.365	262.791	.424%	95.579%
45.0	12.354	0.958	263.749	.297%	95.927%
46.0	9.091	0.717	264.466	.223%	96.188%
47.0	7.453	0.598	265.064	.186%	96.406%
48.0	6.750	0.550	265.614	.171%	96.606%
49.0	6.342	0.525	266.139	.163%	96.797%
50.0	5.970	0.501	266.64	.156%	96.979%
51.0	5.484	0.467	267.108	.145%	97.149%
52.0	4.830	0.417	267.525	.130%	97.301%
53.0	4.071	0.357	267.882	.111%	97.431%
54.0	3.480	0.309	268.191	.096%	97.543%
55.0	3.115	0.280	268.47	.087%	97.645%
56.0	2.749	0.250	268.72	.078%	97.735%
57.0	2.573	0.237	268.957	.074%	97.822%
58.0	2.405	0.224	269.181	.069%	97.903%
59.0	2.264	0.213	269.393	.066%	97.980%
60.0	2.152	0.204	269.598	.063%	98.055%
61.0	2.039	0.196	269.793	.061%	98.126%
62.0	1.962	0.190	269.983	.059%	98.195%
63.0	1.898	0.185	270.169	.058%	98.262%
64.0	1.849	0.182	270.351	.057%	98.329%
65.0	1.793	0.178	270.529	.055%	98.393%
66.0	1.772	0.178	270.707	.055%	98.458%
67.0	1.737	0.175	270.882	.054%	98.522%
68.0	1.744	0.177	271.059	.055%	98.586%
69.0	1.772	0.181	271.241	.056%	98.652%
70.0	1.807	0.186	271.427	.058%	98.720%
71.0	1.863	0.193	271.62	.060%	98.790%
72.0	1.927	0.201	271.821	.062%	98.863%
73.0	1.962	0.206	272.027	.064%	98.938%
74.0	2.011	0.212	272.239	.066%	99.015%
75.0	2.060	0.218	272.457	.068%	99.095%

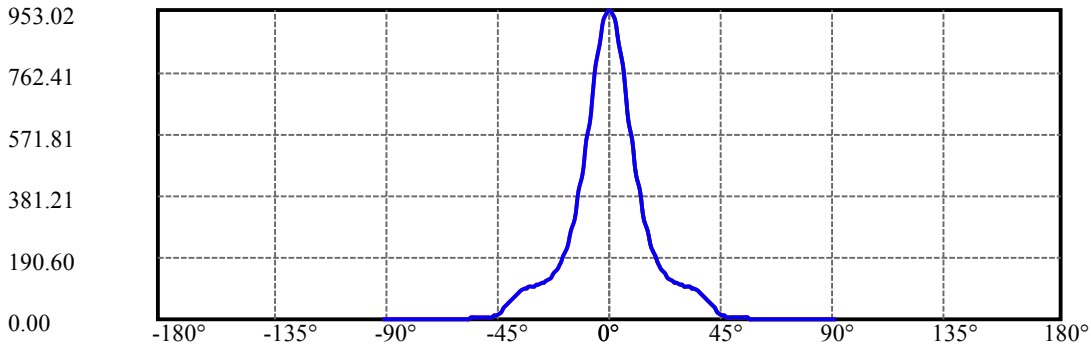
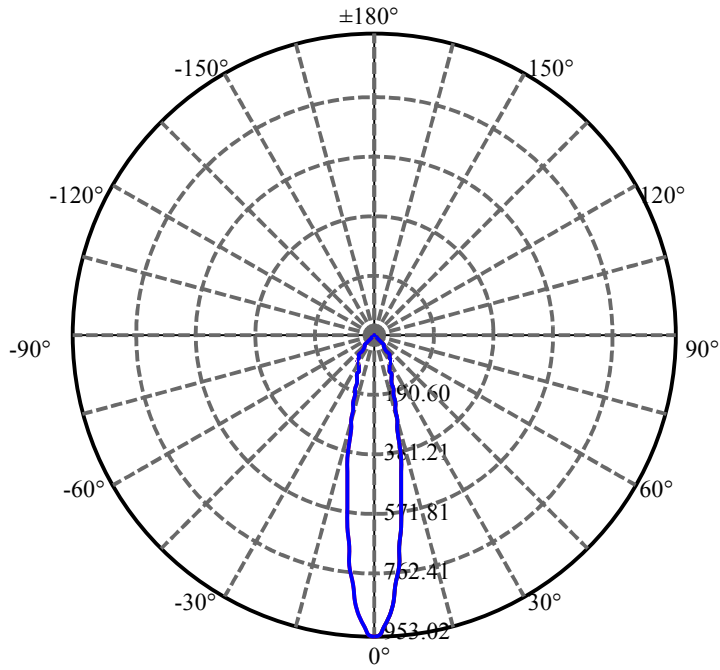
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	2.081	0.221	272.678	.069%	99.175%
77.0	2.109	0.225	272.904	.070%	99.257%
78.0	2.109	0.226	273.13	.070%	99.339%
79.0	2.060	0.222	273.352	.069%	99.420%
80.0	1.948	0.210	273.562	.065%	99.497%
81.0	1.673	0.181	273.743	.056%	99.562%
82.0	1.455	0.158	273.902	.049%	99.620%
83.0	1.420	0.155	274.056	.048%	99.676%
84.0	1.406	0.153	274.209	.048%	99.732%
85.0	1.413	0.154	274.364	.048%	99.788%
86.0	1.343	0.147	274.511	.046%	99.842%
87.0	1.216	0.133	274.644	.041%	99.890%
88.0	1.111	0.122	274.766	.038%	99.934%
89.0	1.111	0.122	274.888	.038%	99.979%
90.0	1.076	0.059	274.947	.018%	100.000%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	203.04	63.06%	73.85%
0-40	254.18	78.94%	92.45%
0-60	269.60	83.73%	98.05%
0-90	274.89	85.37%	99.98%
0-120	274.89	85.37%	99.98%
0-180	274.95	85.39%	100.00%
60-90	5.49	1.71%	2.00%
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%
0-32.96	219.96	68.31%	80.00%

ZONAL LUMEN SUMMARY

0-10	70.29
10-20	76.54
20-30	56.22
30-40	51.14
40-50	12.46
50-60	2.96
60-70	1.83
70-80	2.14
80-90	1.33
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: —————

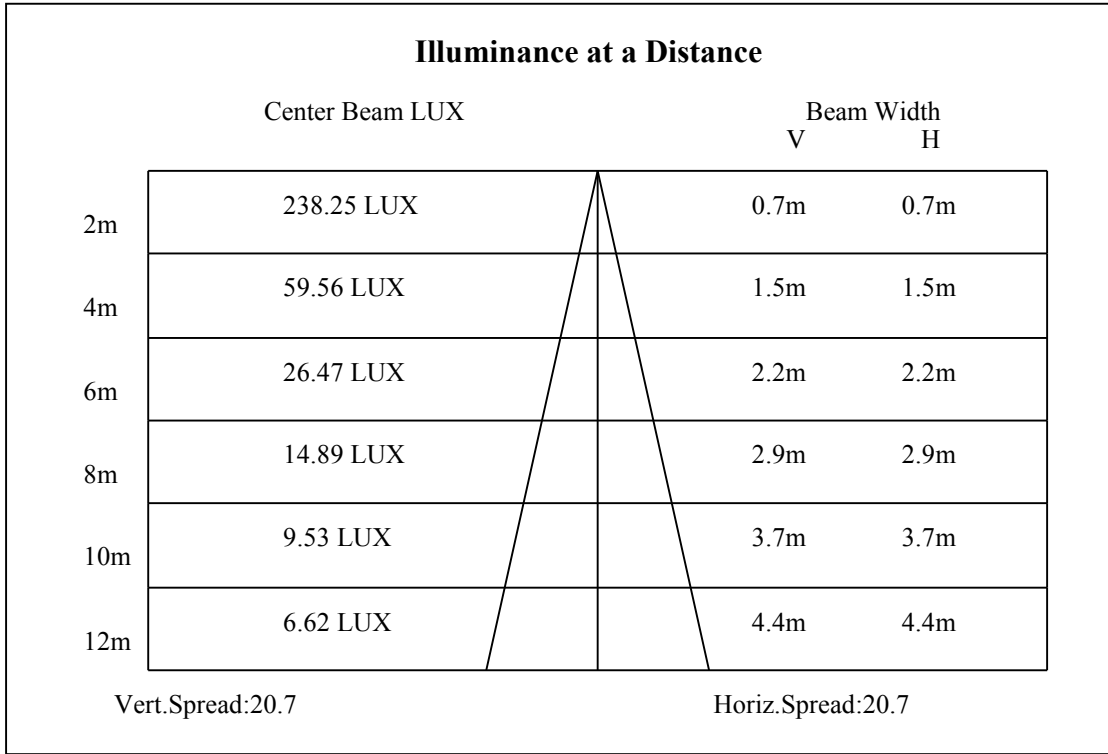
C90/C270: —————

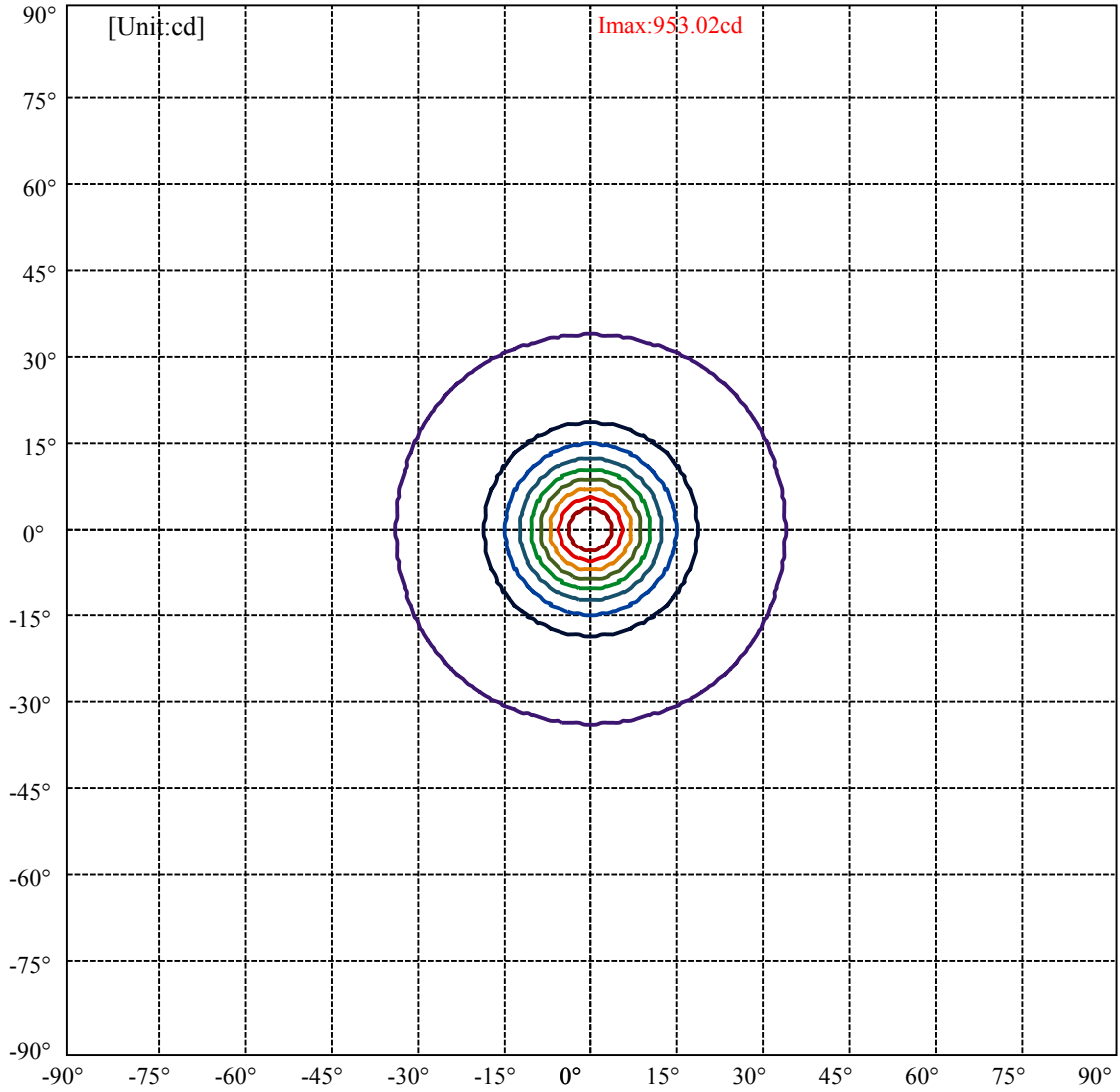
Field angle(10%Imax):C0/180Left:33.4 Right:33.4

:C90/270Left:33.4 Right:33.4

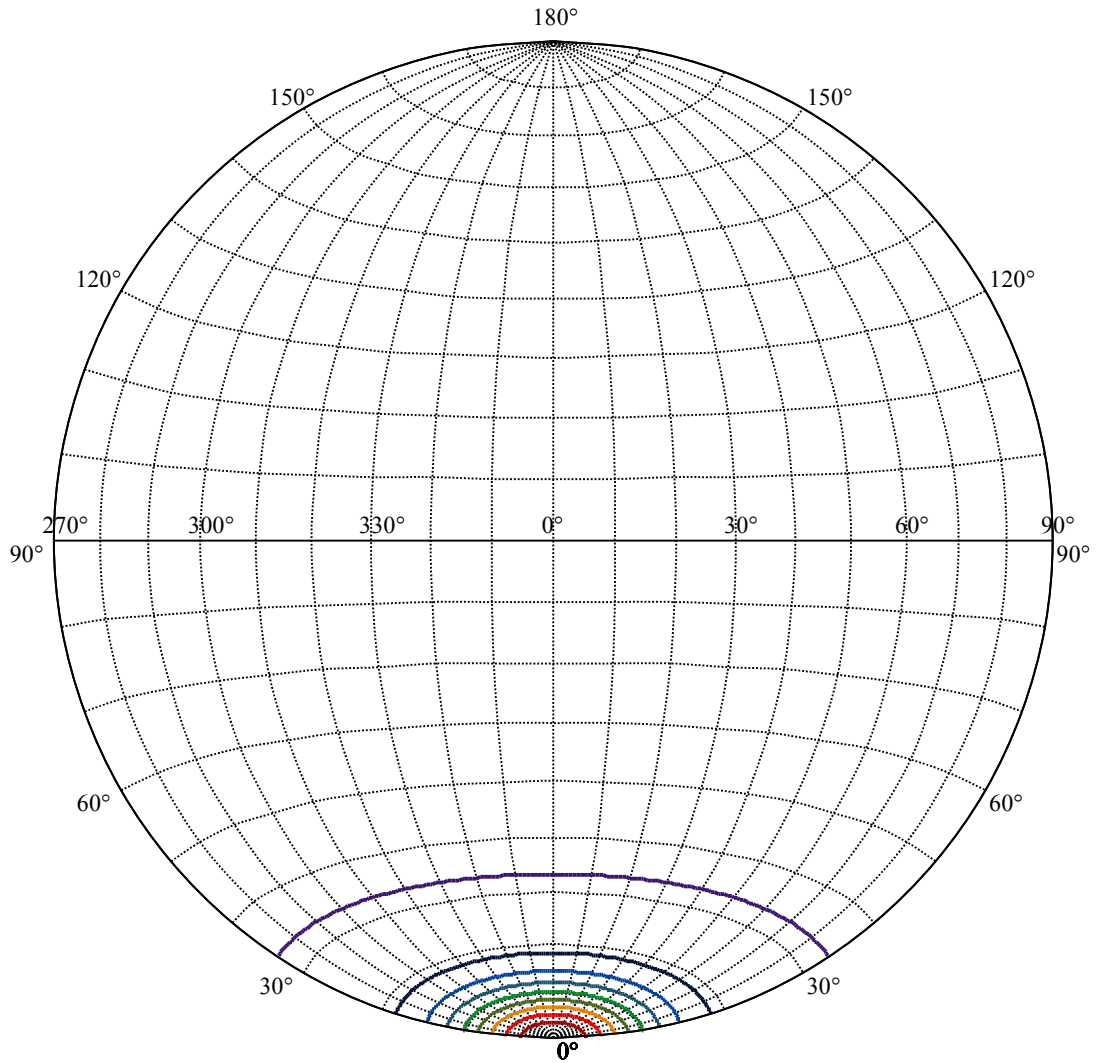
Beam Angle(50%Imax):C0/180Left:10.3 Right:10.3

:C90/270Left:10.3 Right:10.3





(10%Imax) 95.3016	—
(20%Imax) 190.603	—
(30%Imax) 285.905	—
(40%Imax) 381.206	—
(50%Imax) 476.508	—
(60%Imax) 571.809	—
(70%Imax) 667.111	—
(80%Imax) 762.413	—
(90%Imax) 857.714	—



House

[Unit:cd]

Road

Imax:953.02

(10%Imax) 95.3016

(20%Imax) 190.603

(30%Imax) 285.905

(40%Imax) 381.206

(50%Imax) 476.508

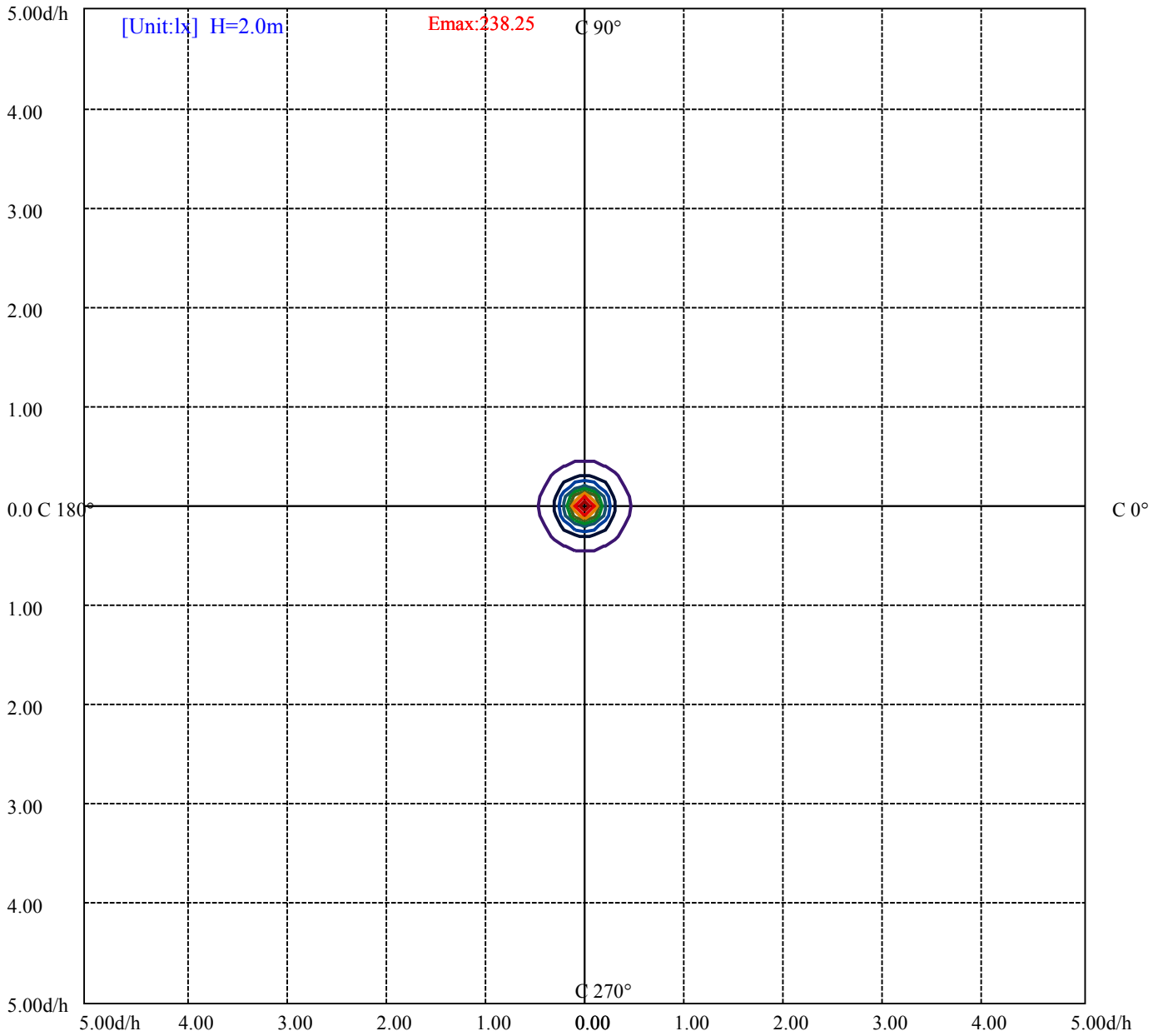
(60%Imax) 571.809

(70%Imax) 667.111

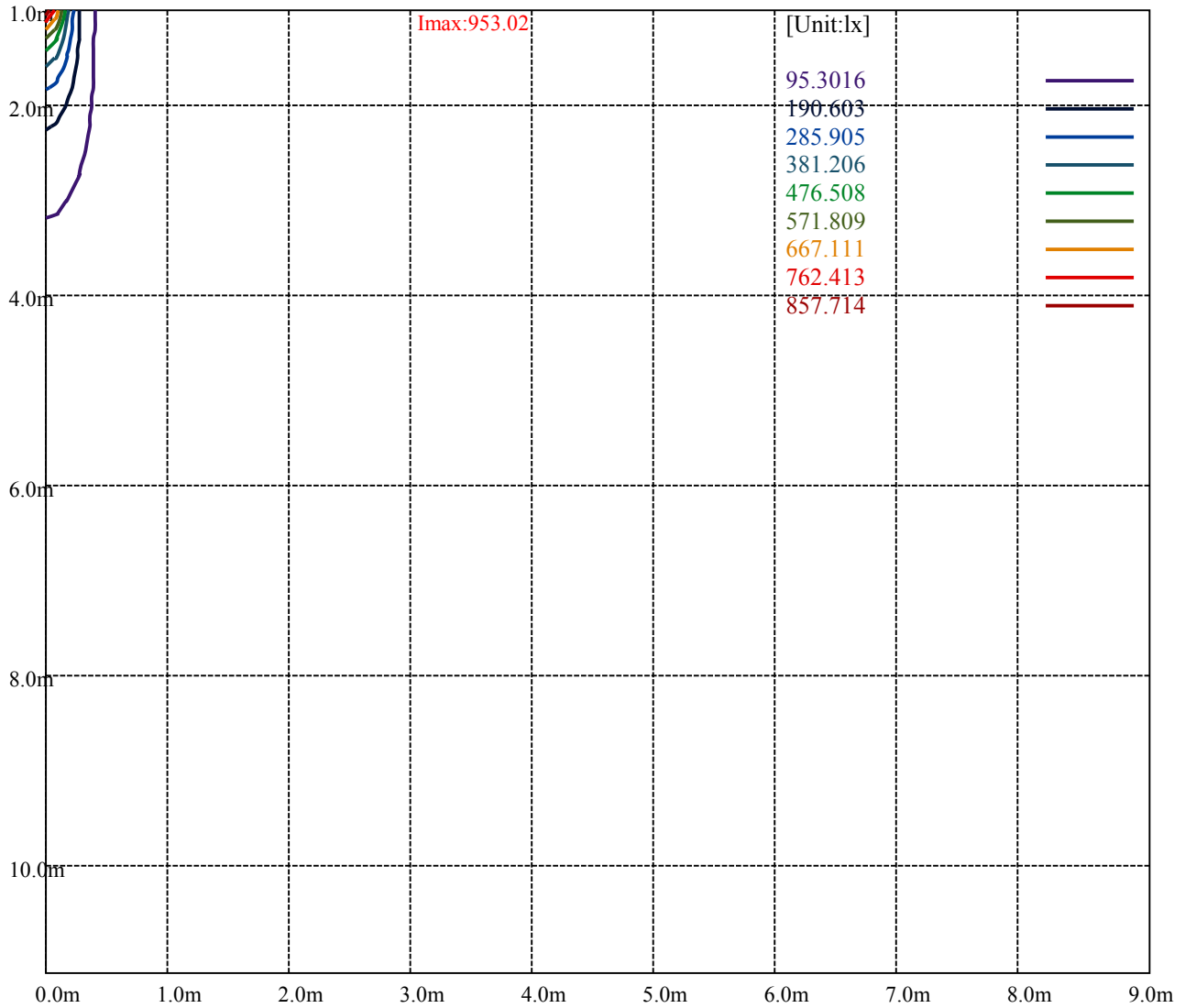
(80%Imax) 762.413

(90%Imax) 857.714





- (10%Emax) 23.82537
- (20%Emax) 47.65075
- (30%Emax) 71.476
- (40%Emax) 95.3015
- (50%Emax) 119.1267
- (60%Emax) 142.9523
- (70%Emax) 166.7775
- (80%Emax) 190.603
- (90%Emax) 214.4283



Luminance Table

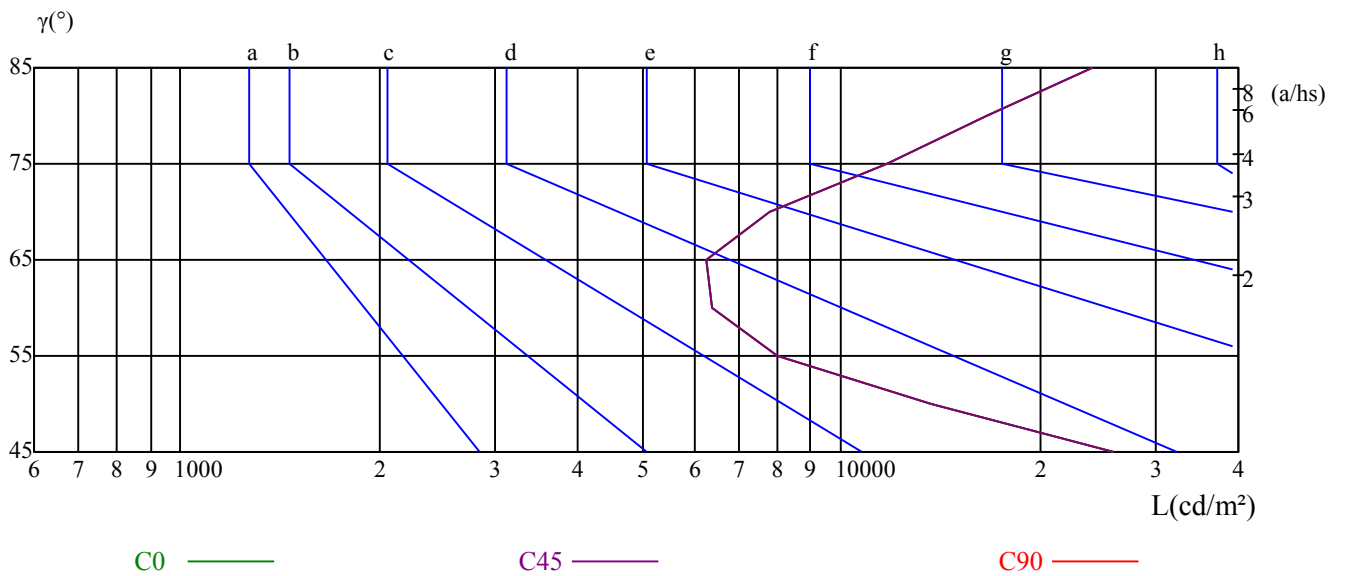
γ	45	50	55	60	65	70	75	80	85
C0	25845	13738	8033	6366	6276	7816	11775	16592	23988
C45	25845	13738	8033	6366	6276	7816	11775	16592	23988
C90	25845	13738	8033	6366	6276	7816	11775	16592	23988

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
6276	6276	6276	11775	11775	11775	23988	23988	23988

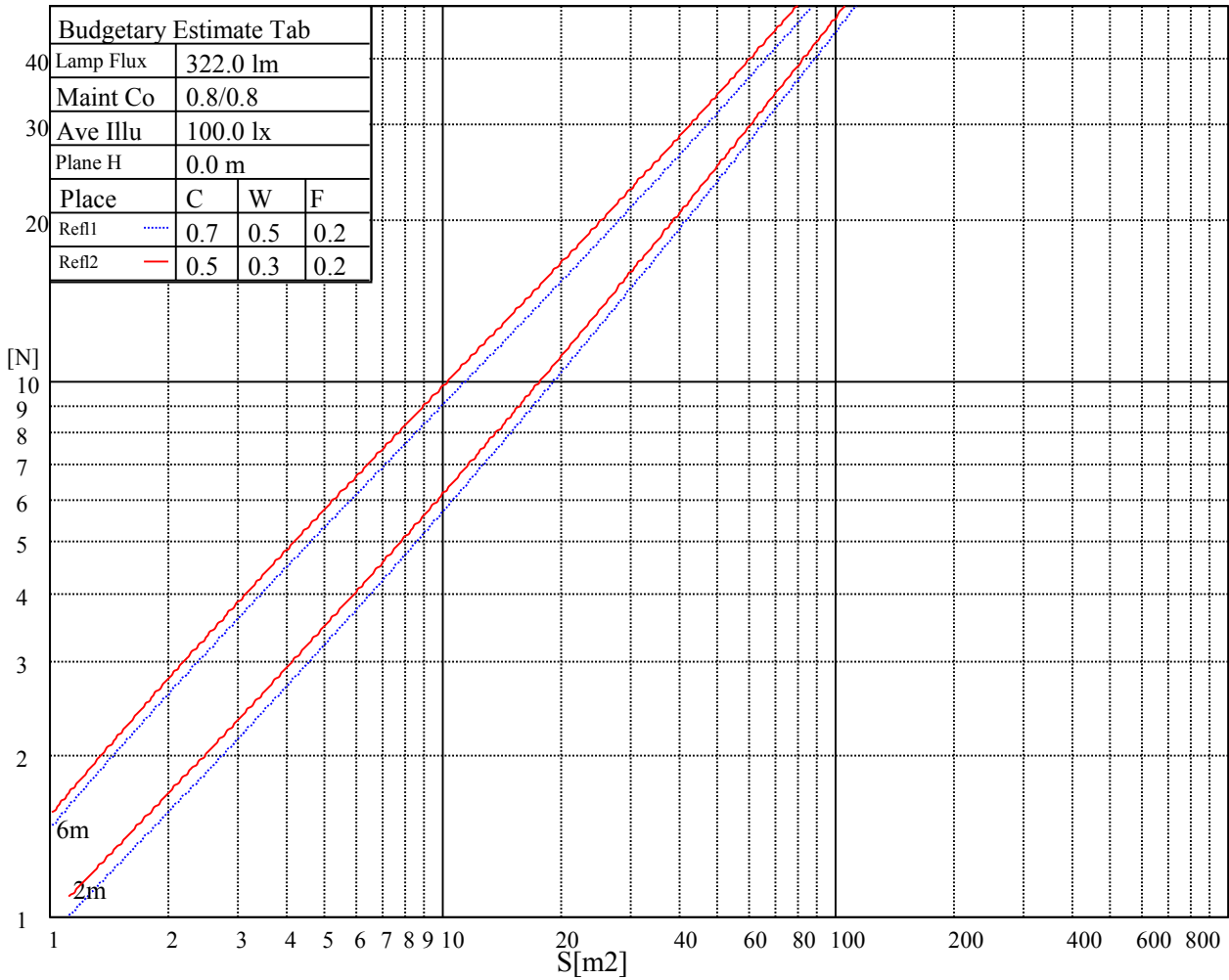
Glare Table

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

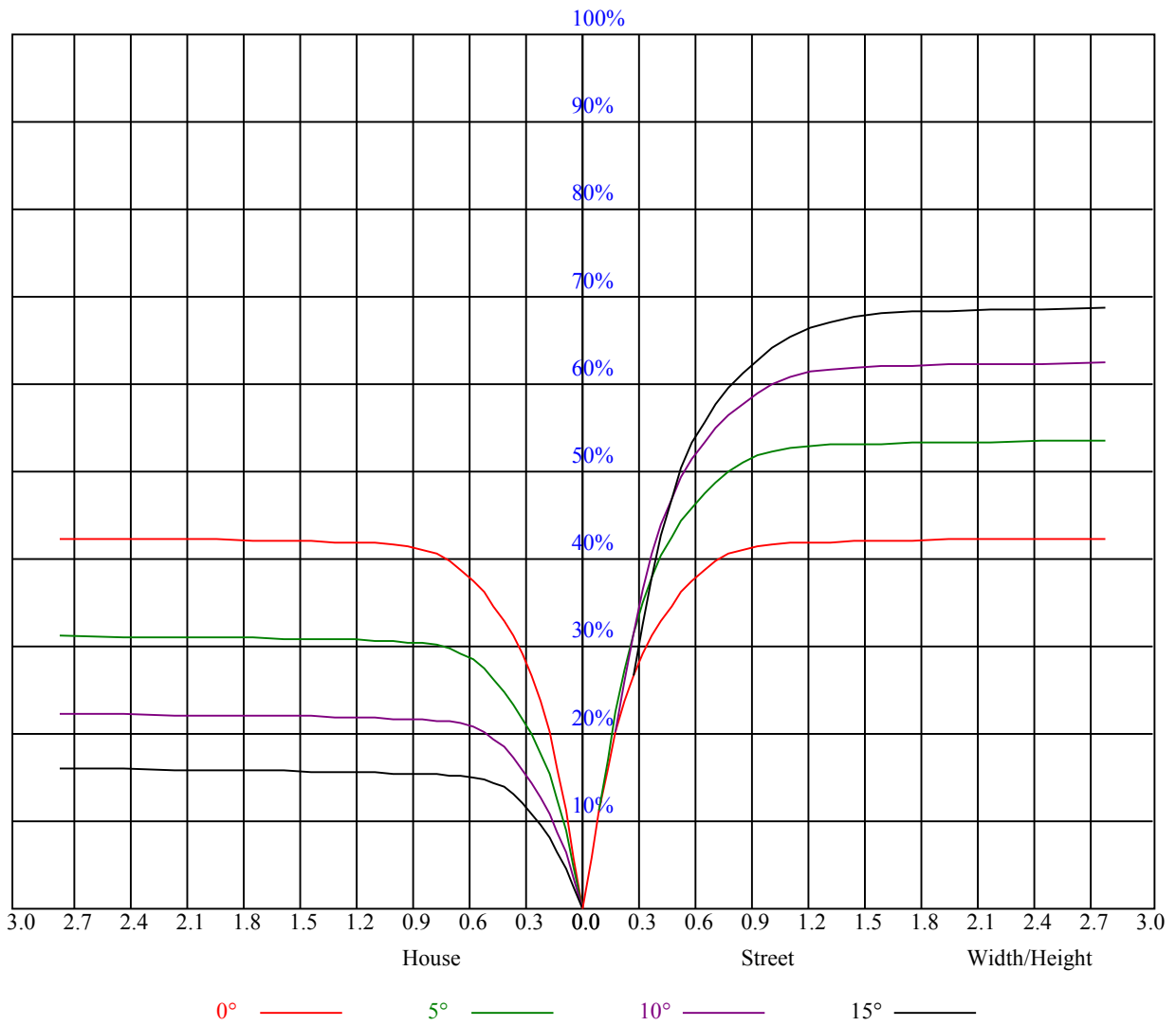
Luminance Limiting Curve



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	14.47	15.44	14.83	15.75	16.06	14.36	15.33	14.73	15.64	15.96
	3H	16.69	17.55	17.08	17.88	18.25	16.29	17.15	16.68	17.48	17.85
	4H	18.66	19.45	19.06	19.80	20.19	17.72	18.52	18.13	18.87	19.26
	6H	20.59	21.31	21.01	21.69	22.09	19.72	20.45	20.14	20.82	21.22
	8H	21.40	22.08	21.84	22.48	22.89	20.70	21.38	21.14	21.77	22.18
	12H	22.52	23.17	22.95	23.55	23.98	22.05	22.71	22.49	23.09	23.52
4H	2H	14.85	15.64	15.26	16.00	16.39	14.76	15.56	15.17	15.91	16.30
	3H	17.62	18.27	18.03	18.68	19.08	17.23	17.88	17.65	18.29	18.70
	4H	19.87	20.46	20.31	20.88	21.33	19.02	19.60	19.46	20.02	20.47
	6H	21.74	22.24	22.21	22.69	23.17	20.96	21.46	21.44	21.91	22.39
	8H	22.70	23.17	23.18	23.62	24.09	22.10	22.56	22.57	23.01	23.49
8H	12H	23.80	24.20	24.29	24.69	25.17	23.41	23.81	23.90	24.30	24.78
	4H	20.56	21.02	21.04	21.47	21.95	19.91	20.38	20.39	20.83	21.30
	6H	22.71	23.08	23.22	23.58	24.06	22.13	22.50	22.64	23.01	23.49
	8H	23.80	24.13	24.34	24.65	25.15	23.37	23.69	23.90	24.22	24.71
12H	12H	25.03	25.31	25.55	25.81	26.39	24.76	25.04	25.28	25.54	26.12
	4H	20.73	21.13	21.22	21.61	22.09	20.14	20.54	20.63	21.03	21.51
	6H	23.21	23.28	23.49	23.76	24.31	22.70	22.77	22.98	23.25	23.80
	8H	24.15	24.44	24.68	24.94	25.52	23.77	24.05	24.29	24.55	25.13
Variation with the observer position at spacings:											
S = 1.0H	3.6/-6.3					3.6/-6.3					
S = 1.5H	5.6/-4.4					5.6/-4.4					
S = 2.0H	7.1/-3.5					7.1/-3.5					
Standard tables:	BK2					BK2					
Uncorrected UGR	3.7					3.7					



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	0.99	0.99	0.99	0.95	0.95	0.95	0.91	0.91	0.91	0.87	0.87	0.87	0.85
1	0.95	0.93	0.91	0.93	0.91	0.89	0.90	0.88	0.87	0.86	0.85	0.84	0.83	0.83	0.82	0.80
2	0.89	0.86	0.83	0.87	0.84	0.82	0.85	0.82	0.80	0.82	0.80	0.78	0.80	0.78	0.77	0.75
3	0.84	0.80	0.76	0.82	0.79	0.76	0.80	0.77	0.75	0.78	0.76	0.74	0.76	0.74	0.72	0.71
4	0.79	0.75	0.71	0.78	0.74	0.71	0.76	0.73	0.70	0.75	0.72	0.69	0.73	0.71	0.68	0.67
5	0.75	0.70	0.67	0.74	0.70	0.67	0.73	0.69	0.66	0.71	0.68	0.65	0.70	0.67	0.65	0.64
6	0.71	0.66	0.63	0.70	0.66	0.63	0.69	0.65	0.63	0.68	0.65	0.62	0.67	0.64	0.62	0.61
7	0.68	0.63	0.60	0.67	0.63	0.60	0.66	0.62	0.59	0.65	0.62	0.59	0.64	0.61	0.59	0.58
8	0.65	0.60	0.57	0.64	0.60	0.57	0.63	0.59	0.57	0.62	0.59	0.56	0.62	0.59	0.56	0.55
9	0.62	0.57	0.54	0.61	0.57	0.54	0.61	0.57	0.54	0.60	0.56	0.54	0.59	0.56	0.54	0.53
10	0.59	0.55	0.52	0.59	0.55	0.52	0.58	0.55	0.52	0.58	0.54	0.52	0.57	0.54	0.52	0.51



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	948.32	964.74	965.19	948.88	917.89	862.54	807.81	756.68	682.65
45.0	949.22	968.74	970.43	955.69	923.12	875.03	823.89	759.49	699.58
90.0	959.79	959.18	944.33	910.97	863.72	813.88	757.91	683.61	625.78
135.0	954.73	945.73	918.56	884.42	841.33	785.36	724.44	668.19	619.88
180.0	948.32	921.66	880.03	830.25	781.65	716.18	668.19	605.48	545.46
225.0	949.22	921.21	882.11	824.06	773.27	718.76	657.90	597.71	545.57
270.0	959.79	947.19	916.65	870.92	821.53	761.34	698.68	640.52	584.83
315.0	954.73	951.53	928.74	889.71	844.59	783.34	725.46	659.93	595.97
360.0	948.32	964.74	965.19	948.88	917.89	862.54	807.81	756.68	682.65

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	617.85	561.04	499.61	448.99	396.34	349.20	311.79	273.21	240.98
45.0	633.38	567.62	511.65	459.62	401.34	359.04	320.23	278.89	249.64
90.0	569.19	501.98	452.25	406.52	358.99	316.80	282.94	249.81	224.04
135.0	547.03	495.17	445.11	394.88	348.98	316.80	274.95	244.58	224.04
180.0	493.93	440.16	390.60	350.61	314.49	274.78	247.67	224.16	203.91
225.0	487.91	433.01	388.18	342.51	305.66	269.72	239.40	216.34	196.82
270.0	518.51	468.23	420.41	370.63	326.19	291.32	256.67	227.36	205.48
315.0	541.97	483.08	427.44	382.05	341.44	296.66	265.95	239.06	213.30
360.0	617.85	561.04	499.61	448.99	396.34	349.20	311.79	273.21	240.98

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	216.79	196.82	175.33	161.49	149.74	138.88	130.28	123.92	118.24
45.0	222.69	197.44	178.88	163.58	148.84	138.49	128.53	120.21	114.02
90.0	199.69	180.17	166.44	152.16	140.12	130.95	123.47	115.71	110.53
135.0	198.23	181.13	167.06	152.78	143.21	135.06	127.18	122.01	117.39
180.0	182.93	168.98	157.44	145.63	137.81	131.63	125.83	120.94	117.23
225.0	176.85	163.91	152.94	141.75	134.16	128.14	122.63	117.84	114.47
270.0	185.40	170.78	156.88	145.35	136.74	129.54	122.18	117.11	112.84
315.0	192.04	176.06	161.10	148.11	138.09	129.04	122.18	115.93	110.93
360.0	216.79	196.82	175.33	161.49	149.74	138.88	130.28	123.92	118.24

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	113.96	111.04	108.84	107.38	105.58	104.01	102.60	100.13	95.63
45.0	108.34	104.18	101.31	99.06	96.92	95.40	94.22	92.76	90.00
90.0	106.26	102.66	99.56	96.64	93.94	91.91	90.23	88.54	86.18
135.0	112.89	109.97	107.66	105.30	102.99	101.36	99.73	97.82	94.95
180.0	113.74	110.64	108.11	105.47	103.39	101.19	98.55	95.18	90.28
225.0	111.43	109.07	106.88	105.02	103.56	101.76	98.66	94.28	88.20
270.0	108.23	105.24	102.54	100.35	97.88	96.02	93.77	89.55	84.60
315.0	107.21	104.01	101.25	99.45	97.88	96.30	94.56	91.35	86.12
360.0	113.96	111.04	108.84	107.38	105.58	104.01	102.60	100.13	95.63

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	90.00	83.08	73.13	64.69	55.86	45.84	36.34	28.18	20.25
45.0	86.01	79.99	72.90	66.21	57.77	50.12	41.12	32.40	24.98
90.0	82.01	76.11	69.92	61.82	53.04	45.34	37.41	27.84	21.15
135.0	90.11	84.26	75.66	66.43	57.77	48.49	37.01	28.35	20.59
180.0	82.29	74.59	66.09	55.13	46.13	37.35	27.79	19.35	13.22
225.0	78.92	70.76	61.88	49.95	42.58	34.14	25.59	17.72	12.21
270.0	78.53	70.26	61.20	53.16	44.55	36.73	28.52	21.26	16.09
315.0	79.09	71.61	63.00	53.72	45.11	36.11	28.69	21.15	14.85
360.0	90.00	83.08	73.13	64.69	55.86	45.84	36.34	28.18	20.25

NATA 1534-E

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	13.56	9.56	6.98	6.13	5.85	5.51	5.29	4.95	4.61
45.0	17.38	12.15	9.34	7.82	7.31	7.14	6.75	6.19	5.57
90.0	15.53	11.03	8.55	7.59	6.92	6.30	5.68	4.95	4.39
135.0	12.83	8.78	6.41	5.34	5.01	4.73	4.33	3.83	3.32
180.0	8.44	6.08	5.29	5.06	4.89	4.61	4.11	3.43	2.19
225.0	8.16	6.86	6.58	6.30	6.08	5.68	4.95	3.66	2.81
270.0	11.87	9.39	8.49	8.04	7.31	6.81	6.19	5.40	4.05
315.0	11.08	8.89	7.99	7.71	7.37	6.98	6.58	6.24	5.63
360.0	13.56	9.56	6.98	6.13	5.85	5.51	5.29	4.95	4.61
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	4.39	3.77	3.04	2.87	2.76	2.59	2.48	2.31	2.25
45.0	5.06	4.44	3.43	3.15	2.87	2.59	2.42	2.25	2.03
90.0	3.66	3.09	2.81	2.59	2.42	2.25	2.14	2.03	1.97
135.0	2.64	2.48	2.36	2.25	2.14	2.03	1.91	1.86	1.86
180.0	2.14	2.08	2.03	2.03	1.97	1.97	1.91	1.86	1.80
225.0	2.59	2.48	2.36	2.19	2.08	2.03	1.97	1.91	1.86
270.0	3.49	3.09	2.81	2.64	2.36	2.25	2.19	2.03	1.97
315.0	3.88	3.49	3.15	2.87	2.64	2.42	2.19	2.08	1.97
360.0	4.39	3.77	3.04	2.87	2.76	2.59	2.48	2.31	2.25
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	2.14	2.03	1.91	1.86	1.74	1.69	1.69	1.63	1.63
45.0	1.97	1.86	1.80	1.74	1.69	1.63	1.63	1.63	1.58
90.0	1.91	1.86	1.80	1.80	1.74	1.69	1.63	1.63	1.63
135.0	1.74	1.69	1.69	1.69	1.63	1.63	1.58	1.52	1.52
180.0	1.74	1.74	1.69	1.74	1.69	1.69	1.69	1.63	1.63
225.0	1.86	1.86	1.80	1.74	1.80	1.91	2.14	2.42	2.70
270.0	1.91	1.91	1.86	1.86	1.91	2.03	2.14	2.31	2.53
315.0	1.91	1.86	1.80	1.74	1.69	1.69	1.69	1.69	1.69
360.0	2.14	2.03	1.91	1.86	1.74	1.69	1.69	1.63	1.63
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	1.58	1.58	1.52	1.46	1.52	1.52	1.41	1.46	1.46
45.0	1.58	1.46	1.46	1.41	1.41	1.41	1.35	1.35	1.35
90.0	1.58	1.58	1.52	1.52	1.46	1.46	1.41	1.41	1.35
135.0	1.52	1.52	1.46	1.46	1.41	1.41	1.41	1.41	1.35
180.0	1.63	1.58	1.74	1.86	1.97	2.14	2.31	2.42	2.36
225.0	3.04	3.32	3.66	3.88	4.05	4.16	4.16	3.88	3.43
270.0	2.76	2.93	2.98	3.09	3.09	3.04	3.15	2.93	2.70
315.0	1.74	1.74	1.74	1.80	1.74	1.74	1.69	1.63	1.58
360.0	1.58	1.58	1.52	1.46	1.52	1.52	1.41	1.46	1.46
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	1.46	1.41	1.35	1.35	1.35	1.35	1.35	1.13	1.13
45.0	1.29	1.29	1.29	1.29	1.24	1.29	1.13	1.13	1.13
90.0	1.35	1.35	1.29	1.29	1.24	1.18	1.13	1.07	1.07
135.0	1.35	1.35	1.35	1.29	1.35	1.18	1.13	1.13	1.13
180.0	1.86	1.46	1.46	1.46	1.52	1.18	1.13	1.13	1.13
225.0	2.48	1.69	1.63	1.63	1.69	1.69	1.13	1.13	1.13
270.0	2.14	1.63	1.52	1.52	1.52	1.46	1.41	1.07	1.07
315.0	1.46	1.46	1.46	1.41	1.41	1.41	1.35	1.13	1.13
360.0	1.46	1.41	1.35	1.35	1.35	1.35	1.35	1.13	1.13

Intensity data(cd)

C/γ(°)	90.0
0.0	1.07
45.0	1.07
90.0	1.07
135.0	1.07
180.0	1.13
225.0	1.07
270.0	1.07
315.0	1.07
360.0	1.07