



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: 3-1942-M	
Luminaire: BJB 47.319.2030	
Report No: NATA0100	Voltage(V): 50.6000
Test No: GC2019021909	Current(A): 0.9000
LampCAT: BRIDGELUX V22B	Power (W): 50.6090
Lamp flux(lm): 6677.9	PF: 0.0000
Number of Lamps: 1	Ballast type: DC
Length(mm): 86	Width(mm): 86
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 5653.17
Efficiency(%): 84.66%
Lumens(lm)/Power(W): 111.78
Central intensity(cd): 16278.750
Maximum intensity(cd): 16278.750
Angle of maximum intensity: C=0.0 γ =0.0
Beam Angle(50%Imax): [C0/180]Total=23.4
[C90/270]Total=23.4
Field angle(10%Imax): [C0/180]Total=66.9
[C90/270]Total=66.9
Maximum s/h(1/2): C0_180=0.39 C90_270=0.39
Maximum s/h(1/4): C0_180=0.51 C90_270=0.51
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 84.71%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 98.656%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	16278.750	3.895	3.895	.058%	.069%
1.0	16248.516	31.097	34.992	.466%	.619%
2.0	16134.609	61.749	96.741	.925%	1.711%
3.0	15898.359	91.244	187.985	1.366%	3.325%
4.0	15544.688	118.910	306.895	1.781%	5.429%
5.0	14960.391	142.985	449.88	2.141%	7.958%
6.0	14227.734	163.088	612.968	2.442%	10.843%
7.0	13182.188	176.171	789.138	2.638%	13.959%
8.0	11944.547	182.296	971.434	2.730%	17.184%
9.0	10853.578	186.190	1157.625	2.788%	20.477%
10.0	9715.711	185.011	1342.635	2.770%	23.750%
11.0	8729.297	182.654	1525.289	2.735%	26.981%
12.0	7903.758	180.204	1705.493	2.699%	30.169%
13.0	7258.852	179.064	1884.557	2.681%	33.336%
14.0	6734.320	178.657	2063.214	2.675%	36.497%
15.0	6325.172	179.523	2242.737	2.688%	39.672%
16.0	5964.750	180.294	2423.032	2.700%	42.861%
17.0	5657.836	181.400	2604.432	2.716%	46.070%
18.0	5342.133	181.029	2785.461	2.711%	49.273%
19.0	5077.406	181.274	2966.735	2.715%	52.479%
20.0	4796.438	179.896	3146.631	2.694%	55.661%
21.0	4520.813	177.663	3324.294	2.660%	58.804%
22.0	4289.555	176.214	3500.508	2.639%	61.921%
23.0	4048.453	173.468	3673.976	2.598%	64.990%
24.0	3815.930	170.202	3844.178	2.549%	68.000%
25.0	3600.281	166.854	4011.032	2.499%	70.952%
26.0	3399.258	163.410	4174.442	2.447%	73.842%
27.0	3191.273	158.878	4333.319	2.379%	76.653%
28.0	3015.000	155.220	4488.539	2.324%	79.399%
29.0	2807.859	149.279	4637.818	2.235%	82.039%
30.0	2592.703	142.159	4779.977	2.129%	84.554%
31.0	2306.602	130.276	4910.253	1.951%	86.858%
32.0	2019.797	117.373	5027.626	1.758%	88.935%
33.0	1751.906	104.634	5132.26	1.567%	90.785%
34.0	1470.234	90.157	5222.417	1.350%	92.380%
35.0	1216.090	76.491	5298.908	1.145%	93.733%
36.0	1006.791	64.895	5363.803	.972%	94.881%
37.0	800.430	52.825	5416.627	.791%	95.816%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	583.819	39.416	5456.043	.590%	96.513%
39.0	400.697	27.653	5483.696	.414%	97.002%
40.0	273.663	19.290	5502.986	.289%	97.343%
41.0	170.508	12.267	5515.253	.184%	97.560%
42.0	97.235	7.135	5522.388	.107%	97.686%
43.0	80.205	5.998	5528.387	.090%	97.793%
44.0	70.221	5.349	5533.736	.080%	97.887%
45.0	60.497	4.691	5538.427	.070%	97.970%
46.0	52.355	4.130	5542.557	.062%	98.043%
47.0	45.246	3.629	5546.186	.054%	98.107%
48.0	40.676	3.315	5549.501	.050%	98.166%
49.0	37.048	3.066	5552.567	.046%	98.220%
50.0	34.383	2.888	5555.455	.043%	98.271%
51.0	32.548	2.774	5558.229	.042%	98.320%
52.0	31.282	2.703	5560.932	.040%	98.368%
53.0	30.171	2.642	5563.574	.040%	98.415%
54.0	29.088	2.581	5566.155	.039%	98.461%
55.0	28.188	2.532	5568.687	.038%	98.505%
56.0	27.260	2.478	5571.165	.037%	98.549%
57.0	26.578	2.444	5573.61	.037%	98.593%
58.0	26.002	2.418	5576.028	.036%	98.635%
59.0	25.566	2.403	5578.431	.036%	98.678%
60.0	25.179	2.391	5580.822	.036%	98.720%
61.0	24.841	2.383	5583.205	.036%	98.762%
62.0	24.588	2.381	5585.586	.036%	98.804%
63.0	24.356	2.380	5587.965	.036%	98.846%
64.0	24.145	2.380	5590.345	.036%	98.889%
65.0	23.955	2.381	5592.726	.036%	98.931%
66.0	23.815	2.386	5595.112	.036%	98.973%
67.0	23.653	2.388	5597.499	.036%	99.015%
68.0	23.520	2.391	5599.891	.036%	99.057%
69.0	23.421	2.398	5602.289	.036%	99.100%
70.0	23.323	2.403	5604.692	.036%	99.142%
71.0	23.224	2.408	5607.1	.036%	99.185%
72.0	23.154	2.415	5609.515	.036%	99.228%
73.0	23.098	2.422	5611.937	.036%	99.271%
74.0	23.041	2.429	5614.366	.036%	99.313%
75.0	22.999	2.436	5616.802	.036%	99.357%

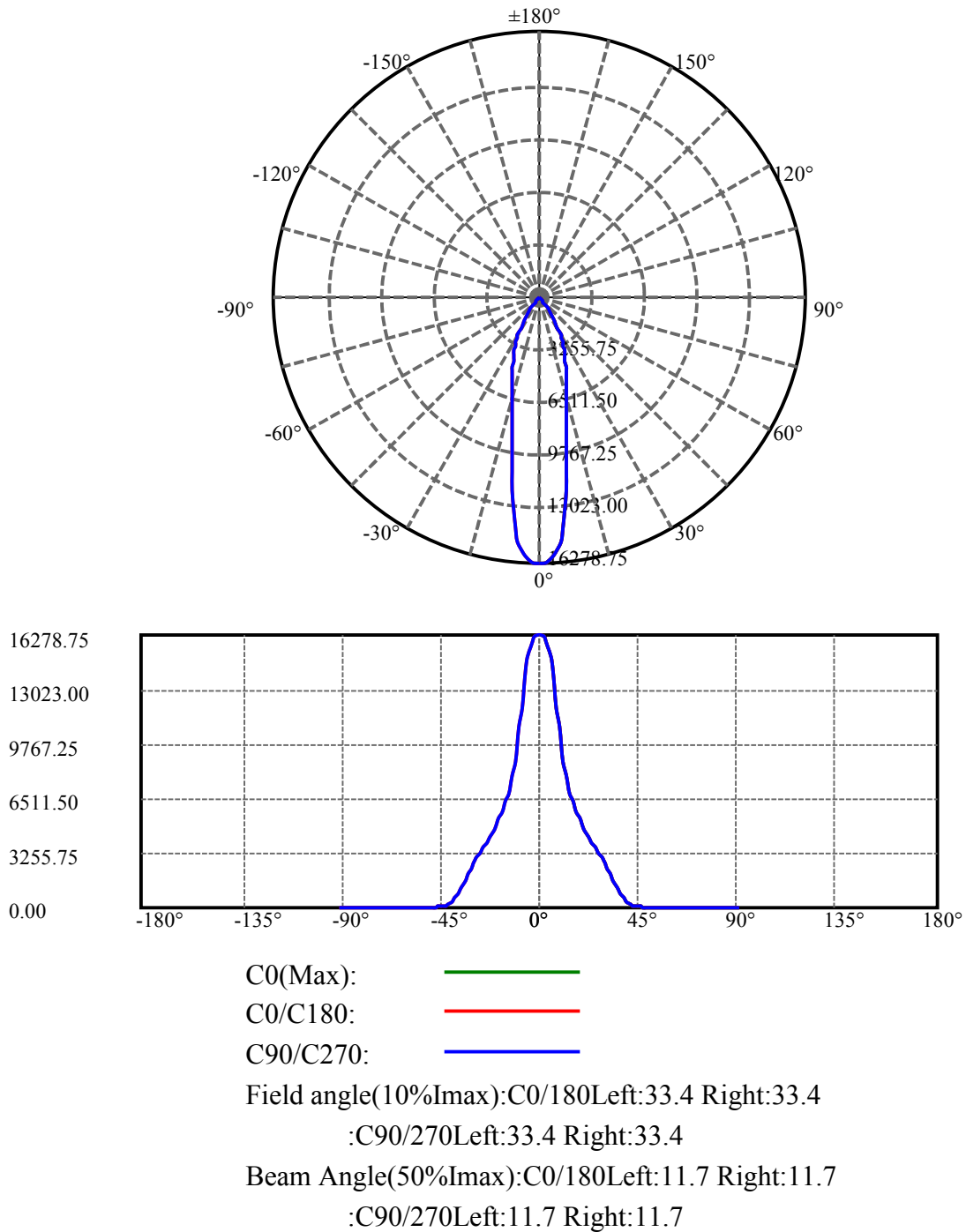
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	22.964	2.443	5619.245	.037%	99.400%
77.0	22.943	2.451	5621.697	.037%	99.443%
78.0	22.929	2.459	5624.156	.037%	99.487%
79.0	22.943	2.470	5626.626	.037%	99.530%
80.0	23.013	2.485	5629.111	.037%	99.574%
81.0	23.077	2.499	5631.611	.037%	99.619%
82.0	23.091	2.507	5634.118	.038%	99.663%
83.0	23.013	2.505	5636.623	.038%	99.707%
84.0	23.041	2.513	5639.136	.038%	99.752%
85.0	23.119	2.526	5641.662	.038%	99.796%
86.0	23.154	2.533	5644.195	.038%	99.841%
87.0	23.266	2.548	5646.743	.038%	99.886%
88.0	23.541	2.580	5649.322	.039%	99.932%
89.0	23.688	2.597	5651.92	.039%	99.978%
90.0	22.894	1.255	5653.175	.019%	100.000%

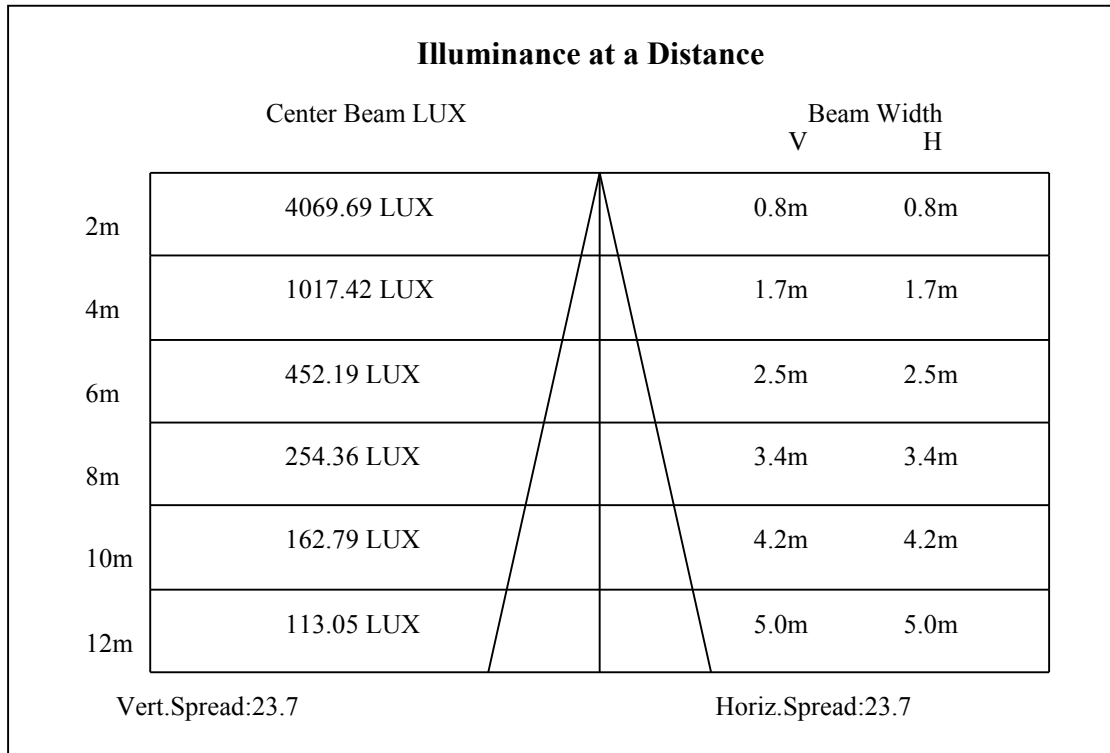
ZONAL LUMEN SUMMARY

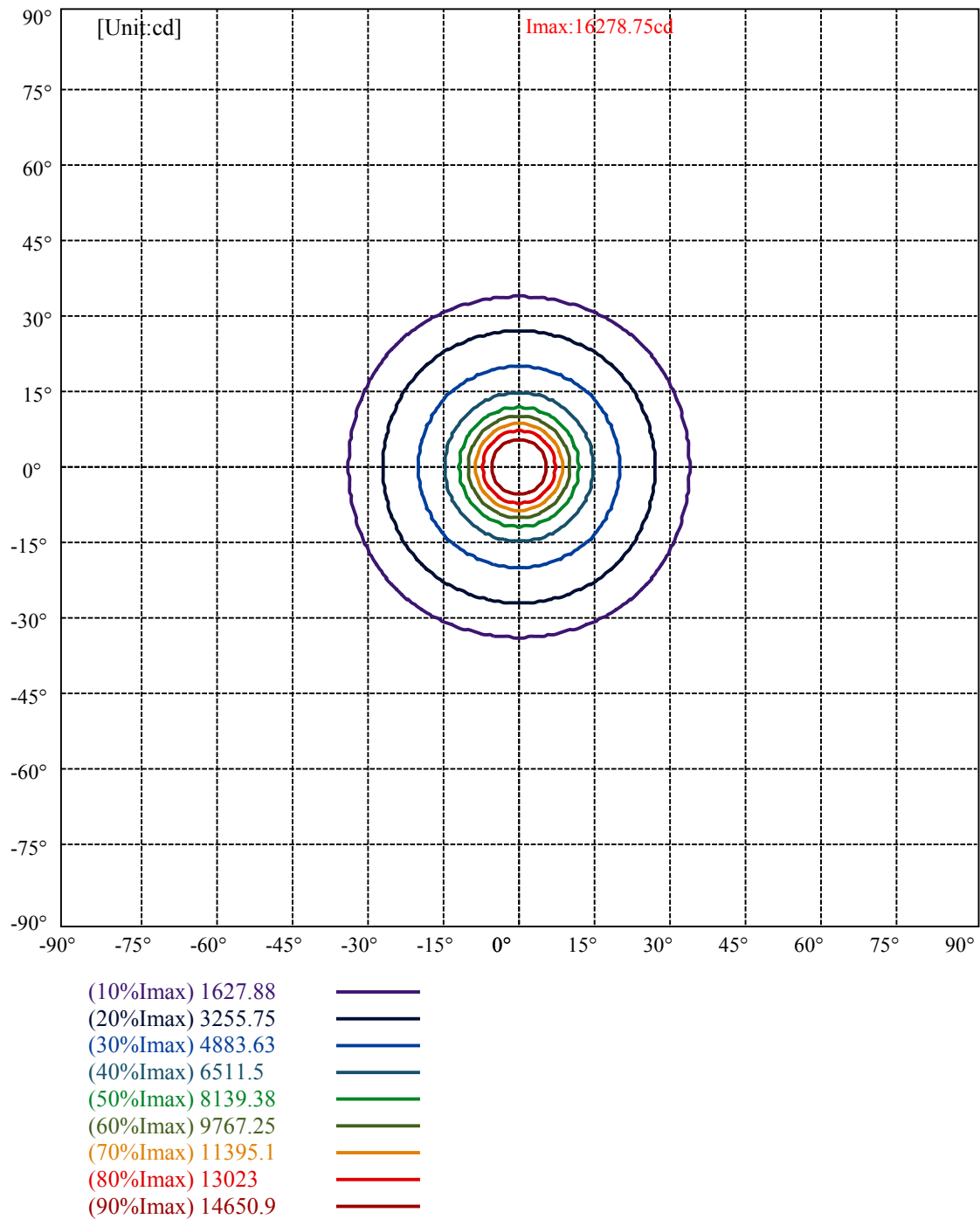
Zone	Lumens	%Lamp	%Fixt
0-30	4779.98	71.58%	84.55%
0-40	5502.99	82.41%	97.34%
0-60	5580.82	83.57%	98.72%
0-90	5651.92	84.64%	99.98%
0-120	5651.92	84.64%	99.98%
0-180	5653.17	84.66%	100.00%
60-90	73.49	1.10%	1.30%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-28.23	4522.54	67.72%	80.00%

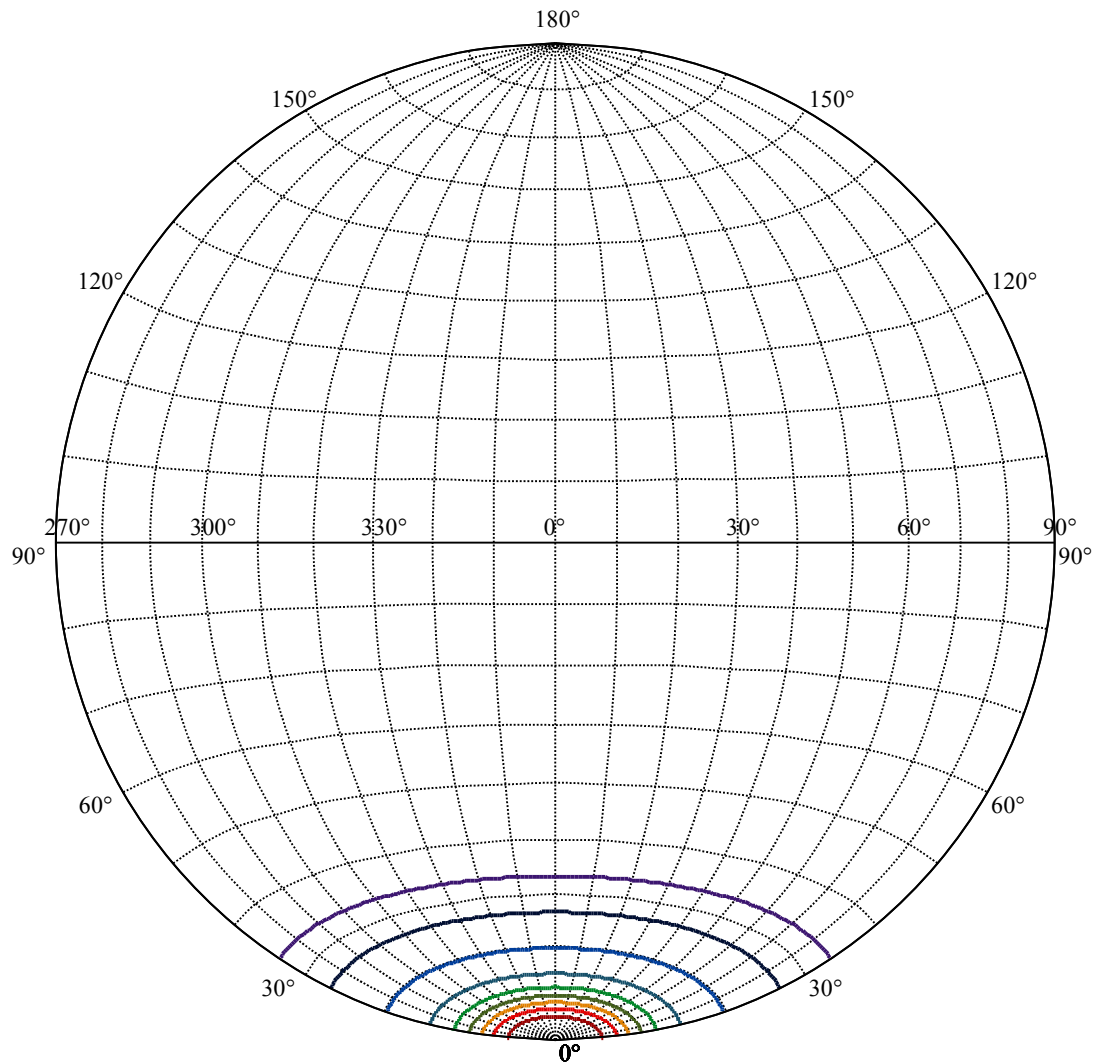
ZONAL LUMEN SUMMARY

0-10	1342.64
10-20	1804.00
20-30	1633.35
30-40	723.01
40-50	52.47
50-60	25.37
60-70	23.87
70-80	24.42
80-90	22.81
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









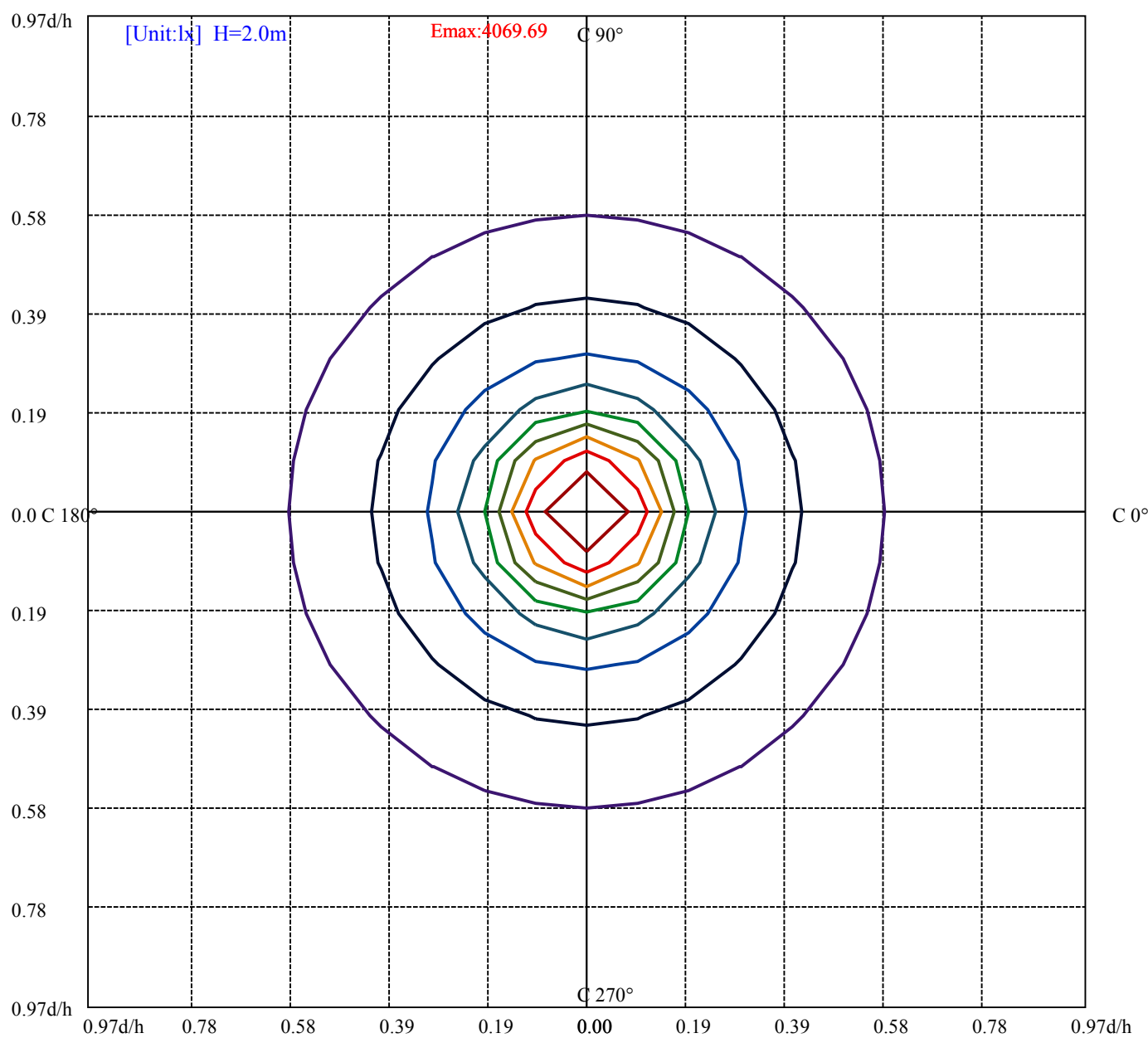
House

[Unit:cd]

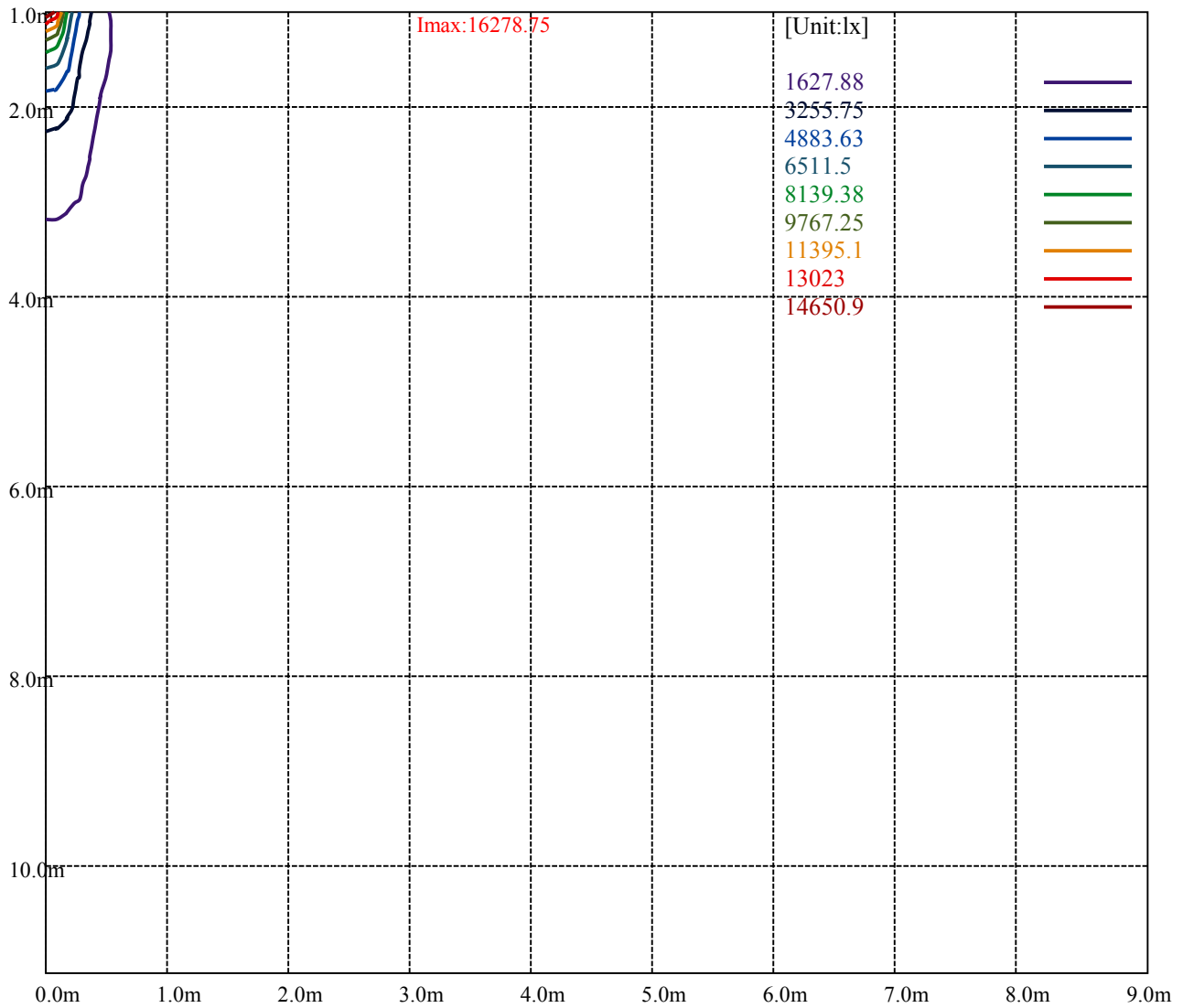
Road

Imax:16278.75

(10%Imax)	1627.88	—
(20%Imax)	3255.75	—
(30%Imax)	4883.63	—
(40%Imax)	6511.5	—
(50%Imax)	8139.38	—
(60%Imax)	9767.25	—
(70%Imax)	11395.1	—
(80%Imax)	13023	—
(90%Imax)	14650.9	—



(10%Emax) 406.9675	—
(20%Emax) 813.9375	—
(30%Emax) 1220.905	—
(40%Emax) 1627.875	—
(50%Emax) 2034.843	—
(60%Emax) 2441.813	—
(70%Emax) 2848.775	—
(80%Emax) 3255.75	—
(90%Emax) 3662.725	—



Luminance Table

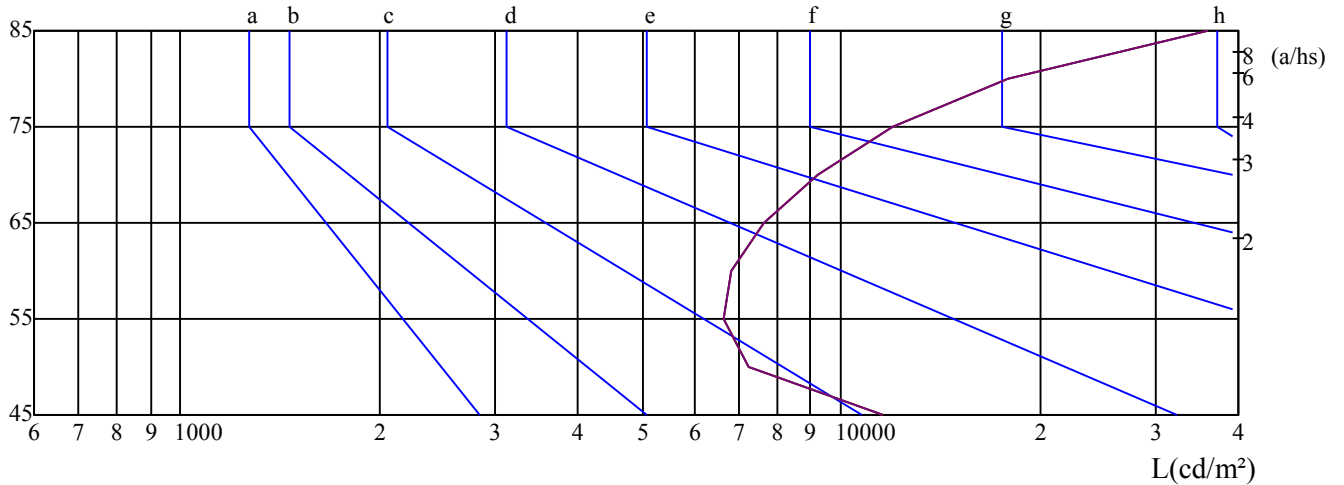
γ	45	50	55	60	65	70	75	80	85
C0	11568	7232	6645	6809	7664	9220	12015	17919	35865
C45	11568	7232	6645	6809	7664	9220	12015	17919	35865
C90	11568	7232	6645	6809	7664	9220	12015	17919	35865

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
7664	7664	7664	12015	12015	12015	35865	35865	35865

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

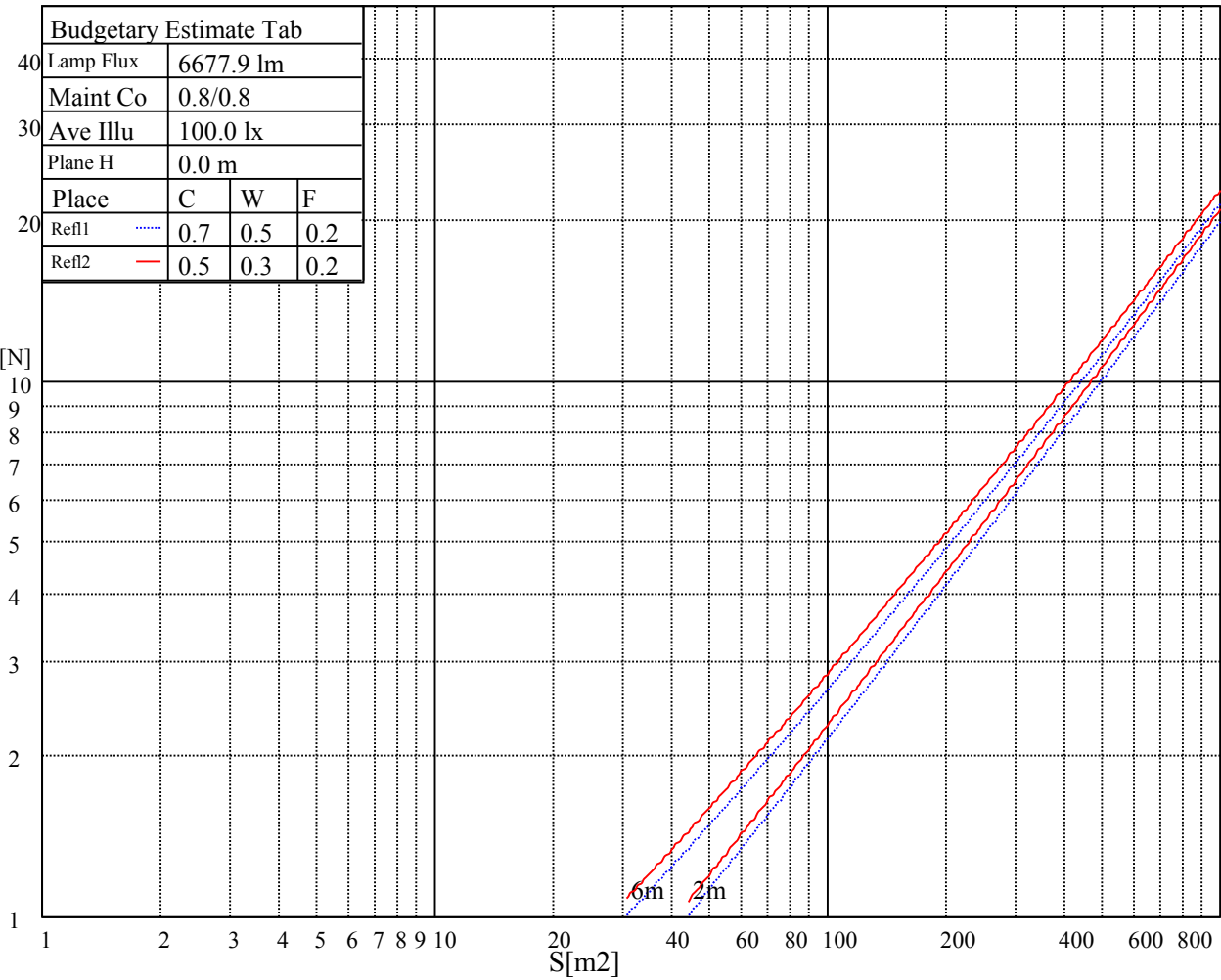
 $\gamma(^{\circ})$ 

C0 ———

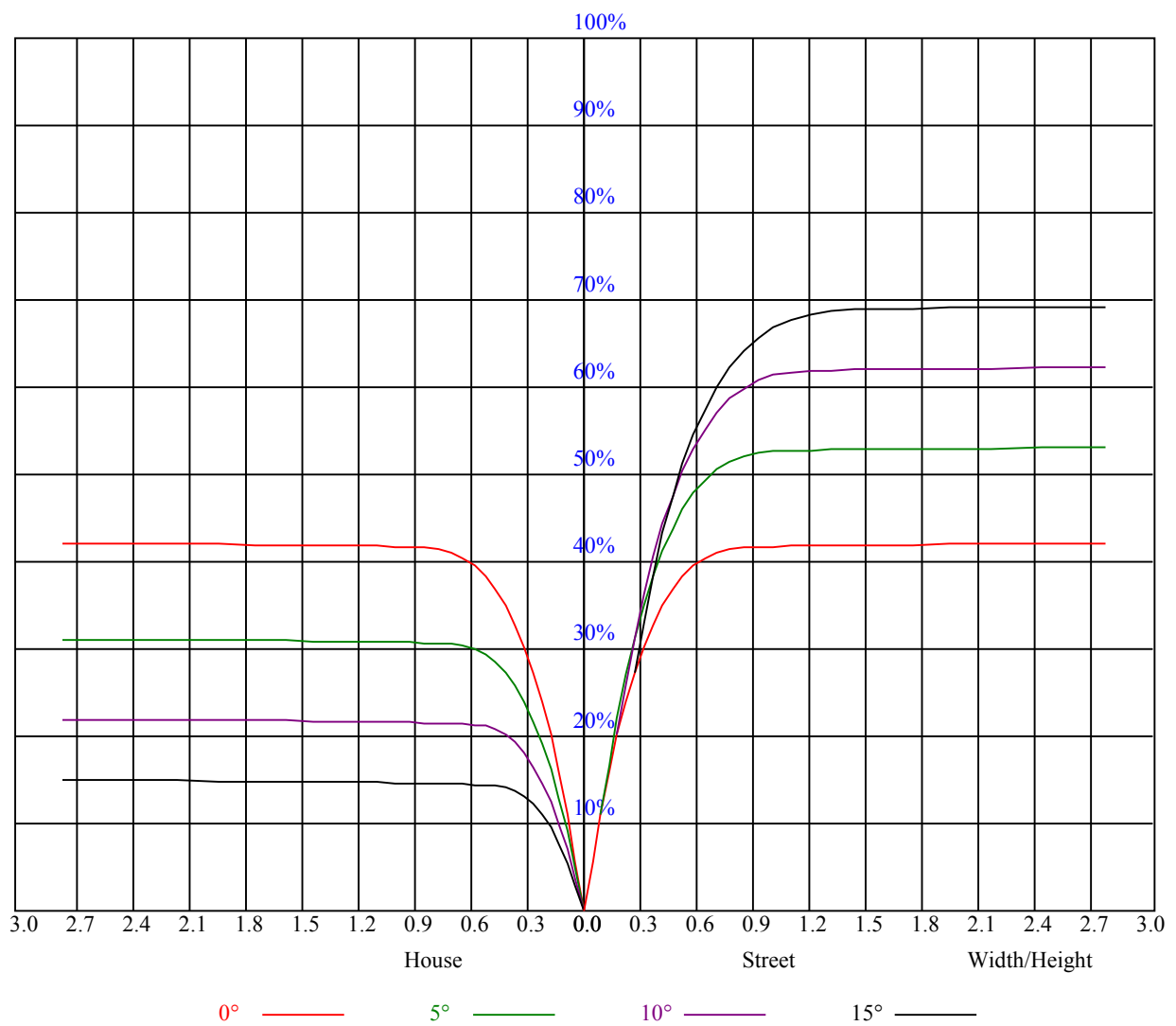
C45 ———

C90 ———

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	1.30	2.21	1.66	2.52	2.84	1.38	2.29	1.74	2.60	2.92
	3H	4.28	5.08	4.66	5.42	5.79	4.34	5.14	4.72	5.48	5.85
	4H	5.97	6.72	6.38	7.07	7.47	6.01	6.75	6.41	7.11	7.50
	6H	7.91	8.60	8.33	8.97	9.37	7.97	8.65	8.39	9.03	9.43
	8H	9.01	9.65	9.44	10.04	10.45	9.07	9.71	9.50	10.10	10.51
	12H	10.79	11.40	11.22	11.78	12.22	10.84	11.45	11.27	11.83	12.26
4H	2H	2.12	2.87	2.53	3.22	3.61	2.18	2.92	2.59	3.28	3.67
	3H	5.39	6.00	5.81	6.42	6.82	5.43	6.05	5.85	6.46	6.86
	4H	7.27	7.82	7.71	8.24	8.69	7.29	7.84	7.73	8.26	8.71
	6H	9.39	9.86	9.86	10.31	10.78	9.45	9.92	9.93	10.37	10.85
	8H	10.58	11.02	11.06	11.47	11.95	10.65	11.08	11.13	11.53	12.01
	12H	12.26	12.64	12.76	13.13	13.61	12.31	12.68	12.80	13.17	13.65
8H	4H	8.00	8.44	8.48	8.89	9.36	8.02	8.45	8.49	8.90	9.38
	6H	10.40	10.74	10.91	11.24	11.73	10.45	10.80	10.96	11.30	11.79
	8H	11.78	12.09	12.32	12.61	13.11	11.84	12.14	12.37	12.67	13.16
	12H	13.60	13.86	14.13	14.36	14.95	13.64	13.90	14.16	14.40	14.98
12H	4H	8.21	8.59	8.71	9.08	9.56	8.22	8.60	8.72	9.09	9.57
	6H	10.93	11.03	11.26	11.50	12.05	10.98	11.08	11.31	11.55	12.10
	8H	12.25	12.51	12.77	13.01	13.59	12.29	12.55	12.82	13.05	13.63
Variation with the observer position at spacings:											
S = 1.0H		5.8/-7.7					5.8/-7.7				
S = 1.5H		8.1/-5.8					8.1/-5.8				
S = 2.0H		9.5/-4.4					9.5/-4.4				
Standard tables:		BK2					BK2				
Uncorrected UGR		3.2					3.2				



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	1.01	1.01	1.01	0.99	0.99	0.99	0.94	0.94	0.94	0.90	0.90	0.90	0.86	0.86	0.86	0.85
1	0.94	0.92	0.91	0.93	0.91	0.89	0.89	0.88	0.87	0.86	0.85	0.84	0.83	0.82	0.82	0.80
2	0.89	0.86	0.83	0.87	0.85	0.82	0.85	0.83	0.81	0.82	0.80	0.79	0.80	0.79	0.77	0.76
3	0.84	0.80	0.77	0.83	0.80	0.77	0.81	0.78	0.76	0.79	0.76	0.74	0.77	0.75	0.73	0.72
4	0.80	0.76	0.73	0.79	0.75	0.72	0.77	0.74	0.71	0.75	0.73	0.70	0.74	0.72	0.70	0.69
5	0.76	0.72	0.68	0.75	0.71	0.68	0.74	0.70	0.68	0.72	0.69	0.67	0.71	0.68	0.66	0.65
6	0.72	0.68	0.65	0.72	0.68	0.65	0.70	0.67	0.64	0.69	0.66	0.64	0.68	0.65	0.63	0.62
7	0.69	0.65	0.62	0.68	0.64	0.61	0.67	0.64	0.61	0.67	0.63	0.61	0.66	0.63	0.61	0.60
8	0.66	0.62	0.59	0.66	0.62	0.59	0.65	0.61	0.58	0.64	0.61	0.58	0.63	0.60	0.58	0.57
9	0.63	0.59	0.56	0.63	0.59	0.56	0.62	0.59	0.56	0.62	0.58	0.56	0.61	0.58	0.56	0.55
10	0.61	0.57	0.54	0.60	0.57	0.54	0.60	0.56	0.54	0.59	0.56	0.54	0.59	0.56	0.53	0.52



NATA 3-1942-M

Intensity data(cd)										Appendix Page: 17 Total:19	
C/ γ (°)	0.0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0		
0.0	16290.00	16267.50	16143.75	15980.63	15755.63	15210.00	14647.50	14000.63	12802.50		
45.0	16267.50	16261.88	16188.75	16042.50	15778.13	15350.63	14793.75	13938.75	12960.00		
90.0	16284.38	16273.13	16194.38	15969.38	15660.00	15114.38	14422.50	13404.38	11947.50		
135.0	16273.13	16301.25	16239.38	16093.13	15828.75	15277.50	14636.25	13651.88	12600.00		
180.0	16290.00	16250.63	16104.38	15817.50	15384.38	14675.63	13837.50	12673.13	11128.50		
225.0	16267.50	16200.00	16048.13	15671.25	15159.38	14456.25	13460.63	11930.63	11122.88		
270.0	16284.38	16233.75	16104.38	15868.13	15435.00	14788.13	14028.75	12943.13	11812.50		
315.0	16273.13	16200.00	16053.75	15744.38	15356.25	14810.63	13995.00	12915.00	11182.50		
360.0	16290.00	16267.50	16143.75	15980.63	15755.63	15210.00	14647.50	14000.63	12802.50		
C/ γ (°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0		
0.0	11536.88	10575.00	9292.50	8403.75	7700.63	7025.63	6598.13	6238.13	5838.75		
45.0	11694.38	10445.63	9416.25	8510.63	7627.50	7087.50	6665.63	6215.63	5906.25		
90.0	10962.00	9736.88	8780.06	7918.31	7336.13	6815.81	6392.81	6062.63	5753.25		
135.0	11340.00	10209.38	9050.63	8190.00	7436.25	6856.88	6446.25	6007.50	5709.38		
180.0	10312.88	9176.06	8329.50	7572.94	7032.38	6542.44	6136.88	5808.38	5509.69		
225.0	9941.06	8882.44	8091.00	7324.88	6893.44	6441.75	6019.31	5748.19	5458.50		
270.0	10563.75	9405.00	8505.00	7756.88	7042.50	6586.88	6215.63	5816.25	5540.63		
315.0	10477.69	9295.31	8369.44	7552.69	7002.00	6517.69	6126.75	5821.31	5546.25		
360.0	11536.88	10575.00	9292.50	8403.75	7700.63	7025.63	6598.13	6238.13	5838.75		
C/ γ (°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0		
0.0	5568.75	5304.38	4989.38	4741.88	4511.25	4230.00	4010.63	3802.50	3571.88		
45.0	5619.38	5310.00	5017.50	4764.38	4488.75	4230.00	3999.38	3751.88	3555.00		
90.0	5393.25	5114.81	4846.50	4527.00	4287.94	4064.63	3801.38	3601.13	3406.50		
135.0	5411.25	5175.00	4820.63	4573.13	4359.38	4083.75	3841.88	3628.13	3414.38		
180.0	5157.56	4893.75	4642.88	4344.19	4116.94	3900.94	3669.19	3445.88	3258.56		
225.0	5084.44	4853.81	4601.25	4276.13	4078.69	3860.44	3626.44	3408.75	3230.44		
270.0	5276.25	4989.38	4713.75	4483.13	4235.63	3993.75	3785.63	3588.75	3369.38		
315.0	5226.19	4978.13	4739.63	4456.69	4237.88	4024.13	3792.94	3575.25	3387.94		
360.0	5568.75	5304.38	4989.38	4741.88	4511.25	4230.00	4010.63	3802.50	3571.88		
C/ γ (°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0		
0.0	3352.50	3166.88	2964.38	2857.50	2482.31	2206.69	1962.56	1692.00	1427.63		
45.0	3341.25	3144.38	2964.38	2851.88	2478.38	2183.06	1923.75	1649.81	1407.38		
90.0	3178.69	3027.38	2815.88	2532.94	2325.94	2045.81	1739.25	1531.69	1101.38		
135.0	3206.25	3065.63	2846.25	2721.94	2372.63	2087.44	1832.06	1559.25	1311.19		
180.0	3065.06	2887.88	2644.31	2380.50	2137.50	1854.56	1577.81	1254.38	1110.09		
225.0	3044.25	2859.75	2615.63	2348.44	2098.13	1816.31	1538.44	1117.69	1061.27		
270.0	3161.25	2964.38	2840.63	2540.81	2298.38	1987.31	1742.06	1497.94	1196.44		
315.0	3180.94	3003.75	2771.44	2507.63	2259.56	1977.19	1699.31	1459.13	1113.36		
360.0	3352.50	3166.88	2964.38	2857.50	2482.31	2206.69	1962.56	1692.00	1427.63		
C/ γ (°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0		
0.0	1199.81	982.13	721.13	536.06	375.19	289.13	122.12	90.90	80.27		
45.0	1169.44	983.81	716.63	533.25	394.31	288.00	117.68	86.01	74.08		
90.0	1047.49	813.38	620.61	407.31	264.60	154.46	96.36	80.04	70.37		
135.0	1082.81	865.69	617.06	436.50	289.13	160.65	97.48	84.99	73.74		
180.0	841.84	646.14	473.51	294.58	181.35	106.88	84.49	75.26	66.66		
225.0	816.41	601.88	436.56	279.68	161.44	98.21	80.78	68.51	59.96		
270.0	968.06	757.69	522.56	363.94	295.88	129.43	86.74	77.06	67.61		
315.0	928.46	752.74	562.50	354.26	227.42	137.31	92.25	78.86	69.08		
360.0	1199.81	982.13	721.13	536.06	375.19	289.13	122.12	90.90	80.27		

NATA 3-1942-M

Intensity data(cd)										Appendix Page: 18 Total:19	
C/γ(°)	45.0	46.0	47.0	48.0	49.0	50.0	51.0	52.0	53.0		
0.0	69.08	59.06	50.06	43.99	39.71	36.39	34.26	32.29	30.99		
45.0	63.51	55.69	48.43	43.54	38.59	35.44	33.41	32.23	30.99		
90.0	60.86	51.69	45.00	41.18	37.58	34.54	32.68	31.22	30.26		
135.0	63.51	54.34	46.29	42.30	38.64	35.94	33.64	32.12	30.88		
180.0	56.64	50.12	43.43	38.64	36.17	34.09	32.34	31.44	30.38		
225.0	52.65	46.18	40.89	36.84	33.53	31.67	30.71	29.70	28.74		
270.0	58.56	51.19	43.82	39.21	35.49	32.85	31.39	30.49	29.31		
315.0	59.18	50.57	44.04	39.71	36.68	34.14	31.95	30.77	29.81		
360.0	69.08	59.06	50.06	43.99	39.71	36.39	34.26	32.29	30.99		
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0		
0.0	30.09	29.25	28.35	27.39	26.61	26.04	25.54	25.20	24.86		
45.0	29.98	29.03	27.84	27.23	26.55	26.04	25.65	25.26	25.03		
90.0	29.19	28.13	27.28	26.61	25.99	25.59	25.26	24.86	24.64		
135.0	29.81	28.86	27.68	26.89	26.33	25.82	25.26	24.98	24.69		
180.0	28.91	28.01	26.94	26.27	25.82	25.37	24.98	24.64	24.36		
225.0	27.73	26.89	26.27	25.76	25.26	24.92	24.69	24.36	24.13		
270.0	28.35	27.56	26.72	26.16	25.65	25.26	24.92	24.64	24.36		
315.0	28.63	27.79	27.00	26.33	25.82	25.48	25.14	24.81	24.64		
360.0	30.09	29.25	28.35	27.39	26.61	26.04	25.54	25.20	24.86		
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0		
0.0	24.64	24.41	24.19	24.08	23.91	23.74	23.63	23.51	23.34		
45.0	24.75	24.53	24.30	24.19	24.02	23.85	23.74	23.63	23.51		
90.0	24.41	24.19	23.96	23.85	23.63	23.51	23.40	23.29	23.18		
135.0	24.41	24.19	24.02	23.85	23.63	23.51	23.40	23.34	23.23		
180.0	24.13	23.85	23.68	23.51	23.34	23.23	23.18	23.06	23.01		
225.0	23.91	23.79	23.57	23.46	23.34	23.23	23.12	23.06	23.01		
270.0	24.19	23.96	23.79	23.63	23.51	23.34	23.29	23.18	23.06		
315.0	24.41	24.24	24.13	23.96	23.85	23.74	23.63	23.51	23.46		
360.0	24.64	24.41	24.19	24.08	23.91	23.74	23.63	23.51	23.34		
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0		
0.0	23.29	23.23	23.18	23.12	23.12	23.06	23.06	23.12	23.63		
45.0	23.46	23.40	23.34	23.34	23.29	23.29	23.29	23.34	23.40		
90.0	23.06	23.01	22.95	22.89	22.78	22.73	22.67	22.67	22.67		
135.0	23.18	23.12	23.06	23.01	22.95	22.95	22.89	22.89	22.89		
180.0	22.95	22.89	22.84	22.78	22.78	22.73	22.73	22.67	22.67		
225.0	22.89	22.84	22.78	22.73	22.73	22.73	22.67	22.67	22.61		
270.0	23.01	22.95	22.89	22.84	22.78	22.78	22.78	22.78	22.78		
315.0	23.40	23.34	23.29	23.29	23.29	23.29	23.34	23.40	23.46		
360.0	23.29	23.23	23.18	23.12	23.12	23.06	23.06	23.12	23.63		
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0		
0.0	23.63	23.06	23.06	23.06	23.18	23.57	23.85	24.19	25.20		
45.0	23.46	23.63	23.79	23.85	24.02	24.13	24.08	24.30	25.71		
90.0	22.61	22.61	22.67	22.73	22.78	22.89	23.18	23.63	22.33		
135.0	22.89	22.89	22.84	22.89	22.95	22.78	22.67	22.61	22.89		
180.0	22.61	22.61	22.61	22.61	22.61	22.67	23.01	23.57	22.28		
225.0	22.67	22.67	22.78	22.84	23.01	23.12	23.40	23.96	24.36		
270.0	22.78	22.78	22.84	22.84	22.89	22.89	22.84	22.95	23.40		
315.0	23.96	24.47	23.51	23.51	23.51	23.18	23.12	23.12	23.34		
360.0	23.63	23.06	23.06	23.06	23.18	23.57	23.85	24.19	25.20		

Intensity data(cd)

Appendix Page: 19 Total:19

C/γ(°)	90.0
0.0	25.88
45.0	22.28
90.0	22.28
135.0	22.22
180.0	22.28
225.0	22.33
270.0	23.01
315.0	22.89
360.0	25.88