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Nata

LumCAT: 2-2321-M	
Luminaire: 92.70.131.00	
Report No: 210809-B001	Voltage(V): 34.2700
Test No: 210809-C001	Current(A): 0.5000
LampCAT: SAMSUNG LC033D LES14.5	Power (W): 17.1350
Lamp flux(lm): 2652.3	PF: 1.0000
Number of Lamps: 1	Ballast type: DC
Length(mm): 570	Width(mm): 45
Phm Type: C	Height(mm): 20

Photometric Results

Lumens(lm): 2565.06
Efficiency(%): 96.71%
Lumens(lm)/Power(W): 149.70
Central intensity(cd): 3498.532
Maximum intensity(cd): 3567.248
Angle of maximum intensity: C=202.5 γ =7.0
Beam Angle(50%Imax): [C0/180]Total=49.4
 [C90/270]Total=48.6
Field angle(10%Imax): [C0/180]Total=66.4
 [C90/270]Total=65.6
Maximum s/h(1/2): C0_180=0.80 C90_270=0.74
Maximum s/h(1/4): C0_180=0.69 C90_270=0.64
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 96.71%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 98.325%

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2021/8/09
Humidity(%): 65.0%

Operator: NT07
Distance(m): 7.73

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	3504.956	0.000	0	.000%	.000%
1.0	3506.188	3.355	3.355	.126%	.131%
2.0	3509.512	10.070	13.424	.380%	.523%
3.0	3513.209	16.796	30.22	.633%	1.178%
4.0	3516.234	23.530	53.75	.887%	2.095%
5.0	3517.765	30.260	84.01	1.141%	3.275%
6.0	3517.616	36.973	120.983	1.394%	4.717%
7.0	3513.620	43.643	164.626	1.645%	6.418%
8.0	3505.254	50.233	214.858	1.894%	8.376%
9.0	3488.822	56.683	271.542	2.137%	10.586%
10.0	3467.461	62.952	334.493	2.373%	13.040%
11.0	3440.348	69.023	403.517	2.602%	15.731%
12.0	3407.708	74.859	478.376	2.822%	18.650%
13.0	3365.507	80.381	558.757	3.031%	21.783%
14.0	3318.751	85.558	644.315	3.226%	25.119%
15.0	3268.334	90.430	734.745	3.409%	28.644%
16.0	3210.299	94.930	829.675	3.579%	32.345%
17.0	3136.019	98.829	928.504	3.726%	36.198%
18.0	3054.344	102.066	1030.57	3.848%	40.177%
19.0	2961.839	104.669	1135.239	3.946%	44.258%
20.0	2849.803	106.369	1241.608	4.010%	48.405%
21.0	2715.060	106.857	1348.465	4.029%	52.571%
22.0	2570.234	106.210	1454.675	4.004%	56.711%
23.0	2410.395	104.507	1559.182	3.940%	60.786%
24.0	2216.373	101.158	1660.34	3.814%	64.729%
25.0	2042.907	96.847	1757.187	3.651%	68.505%
26.0	1844.296	91.758	1848.945	3.460%	72.082%
27.0	1658.322	85.692	1934.637	3.231%	75.423%
28.0	1450.046	78.697	2013.334	2.967%	78.491%
29.0	1234.099	70.225	2083.559	2.648%	81.229%
30.0	1079.862	62.476	2146.036	2.356%	83.664%
31.0	911.553	55.418	2201.454	2.089%	85.825%
32.0	758.571	47.847	2249.301	1.804%	87.690%
33.0	629.908	40.905	2290.206	1.542%	89.285%
34.0	521.561	34.847	2325.053	1.314%	90.643%
35.0	420.216	29.248	2354.301	1.103%	91.784%
36.0	342.246	24.277	2378.578	.915%	92.730%
37.0	278.800	20.255	2398.833	.764%	93.520%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	228.667	16.939	2415.771	.639%	94.180%
39.0	185.230	14.127	2429.899	.533%	94.731%
40.0	157.651	11.958	2441.857	.451%	95.197%
41.0	128.573	10.192	2452.05	.384%	95.594%
42.0	106.883	8.555	2460.604	.323%	95.928%
43.0	90.503	7.312	2467.916	.276%	96.213%
44.0	78.183	6.367	2474.283	.240%	96.461%
45.0	68.137	5.623	2479.906	.212%	96.680%
46.0	59.013	4.973	2484.878	.187%	96.874%
47.0	51.847	4.409	2489.288	.166%	97.046%
48.0	46.114	3.960	2493.248	.149%	97.201%
49.0	40.987	3.577	2496.824	.135%	97.340%
50.0	36.531	3.232	2500.056	.122%	97.466%
51.0	33.062	2.944	2503.001	.111%	97.581%
52.0	30.171	2.713	2505.714	.102%	97.687%
53.0	27.516	2.509	2508.224	.095%	97.784%
54.0	25.302	2.328	2510.552	.088%	97.875%
55.0	23.554	2.181	2512.733	.082%	97.960%
56.0	22.011	2.059	2514.791	.078%	98.040%
57.0	20.615	1.949	2516.74	.073%	98.116%
58.0	19.528	1.856	2518.597	.070%	98.189%
59.0	18.587	1.782	2520.379	.067%	98.258%
60.0	17.758	1.717	2522.096	.065%	98.325%
61.0	17.063	1.662	2523.757	.063%	98.390%
62.0	16.481	1.616	2525.374	.061%	98.453%
63.0	15.984	1.579	2526.953	.060%	98.515%
64.0	15.547	1.547	2528.5	.058%	98.575%
65.0	15.166	1.520	2530.02	.057%	98.634%
66.0	14.849	1.498	2531.517	.056%	98.693%
67.0	14.583	1.480	2532.997	.056%	98.750%
68.0	14.333	1.465	2534.462	.055%	98.807%
69.0	14.154	1.453	2535.915	.055%	98.864%
70.0	14.012	1.447	2537.362	.055%	98.920%
71.0	13.907	1.443	2538.805	.054%	98.977%
72.0	13.814	1.441	2540.246	.054%	99.033%
73.0	13.762	1.442	2541.689	.054%	99.089%
74.0	13.728	1.445	2543.134	.054%	99.145%
75.0	13.724	1.450	2544.584	.055%	99.202%

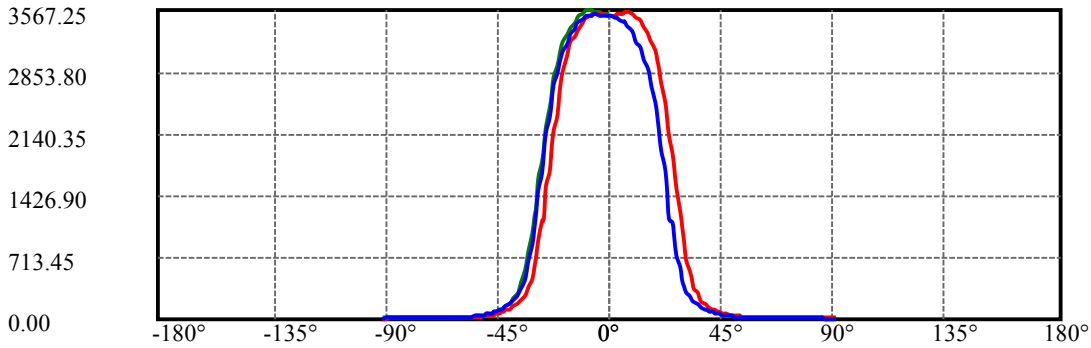
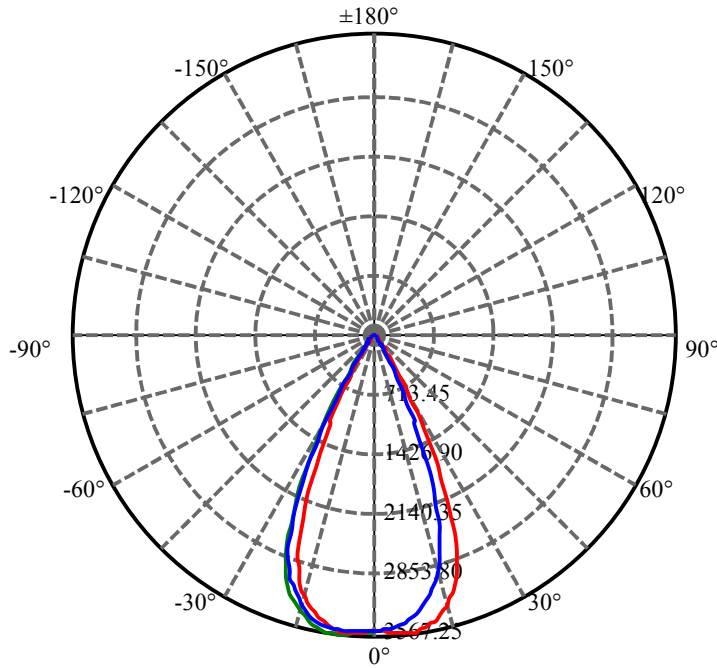
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	13.736	1.458	2546.042	.055%	99.259%
77.0	13.739	1.465	2547.507	.055%	99.316%
78.0	13.612	1.464	2548.971	.055%	99.373%
79.0	13.527	1.458	2550.429	.055%	99.430%
80.0	13.377	1.450	2551.88	.055%	99.486%
81.0	13.179	1.436	2553.316	.054%	99.542%
82.0	12.978	1.418	2554.734	.053%	99.598%
83.0	12.638	1.392	2556.127	.053%	99.652%
84.0	12.317	1.359	2557.486	.051%	99.705%
85.0	11.883	1.321	2558.807	.050%	99.756%
86.0	11.577	1.282	2560.089	.048%	99.806%
87.0	11.424	1.259	2561.348	.047%	99.855%
88.0	11.316	1.246	2562.594	.047%	99.904%
89.0	11.215	1.235	2563.829	.047%	99.952%
90.0	11.159	1.227	2565.055	.046%	100.000%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	2146.04	80.91%	83.66%
0-40	2441.86	92.06%	95.20%
0-60	2522.10	95.09%	98.33%
0-90	2563.83	96.66%	99.95%
0-120	2563.83	96.66%	99.95%
0-180	2565.06	96.71%	100.00%
60-90	43.45	1.64%	1.69%
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%
0-28.55	2052.04	77.37%	80.00%

ZONAL LUMEN SUMMARY

0-10	334.49
10-20	907.12
20-30	904.43
30-40	295.82
40-50	58.20
50-60	22.04
60-70	15.27
70-80	14.52
80-90	11.95
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



C202.5(Max): ———

C0/C180: ———

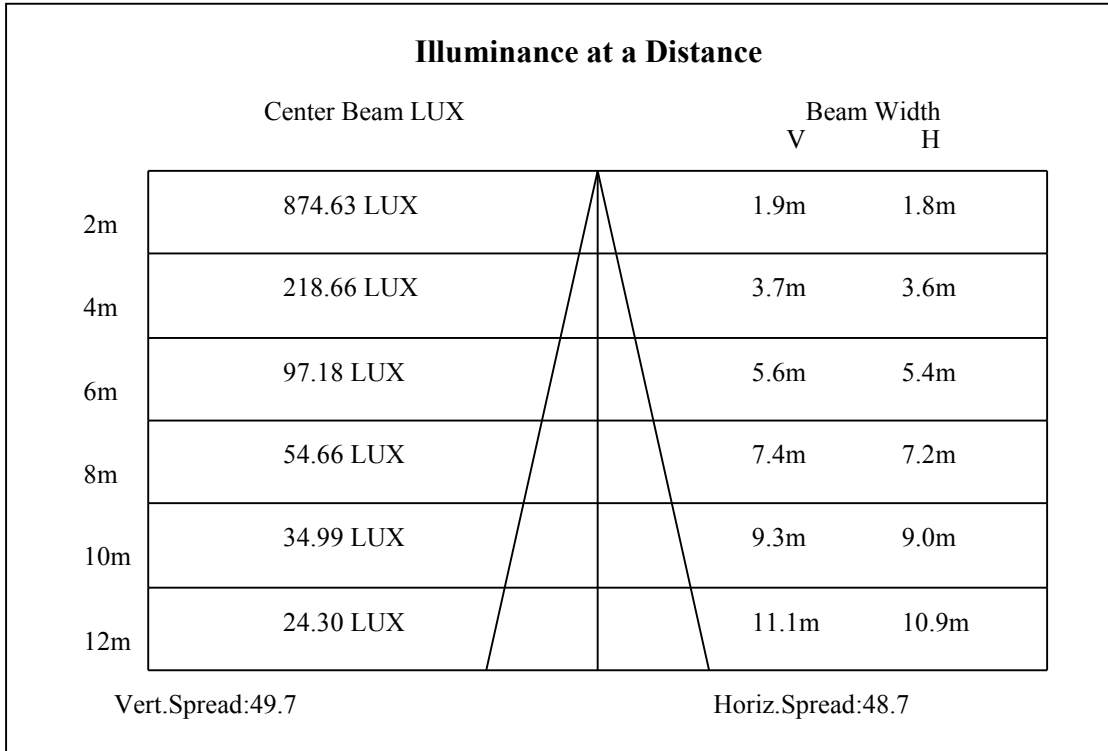
C90/C270: ———

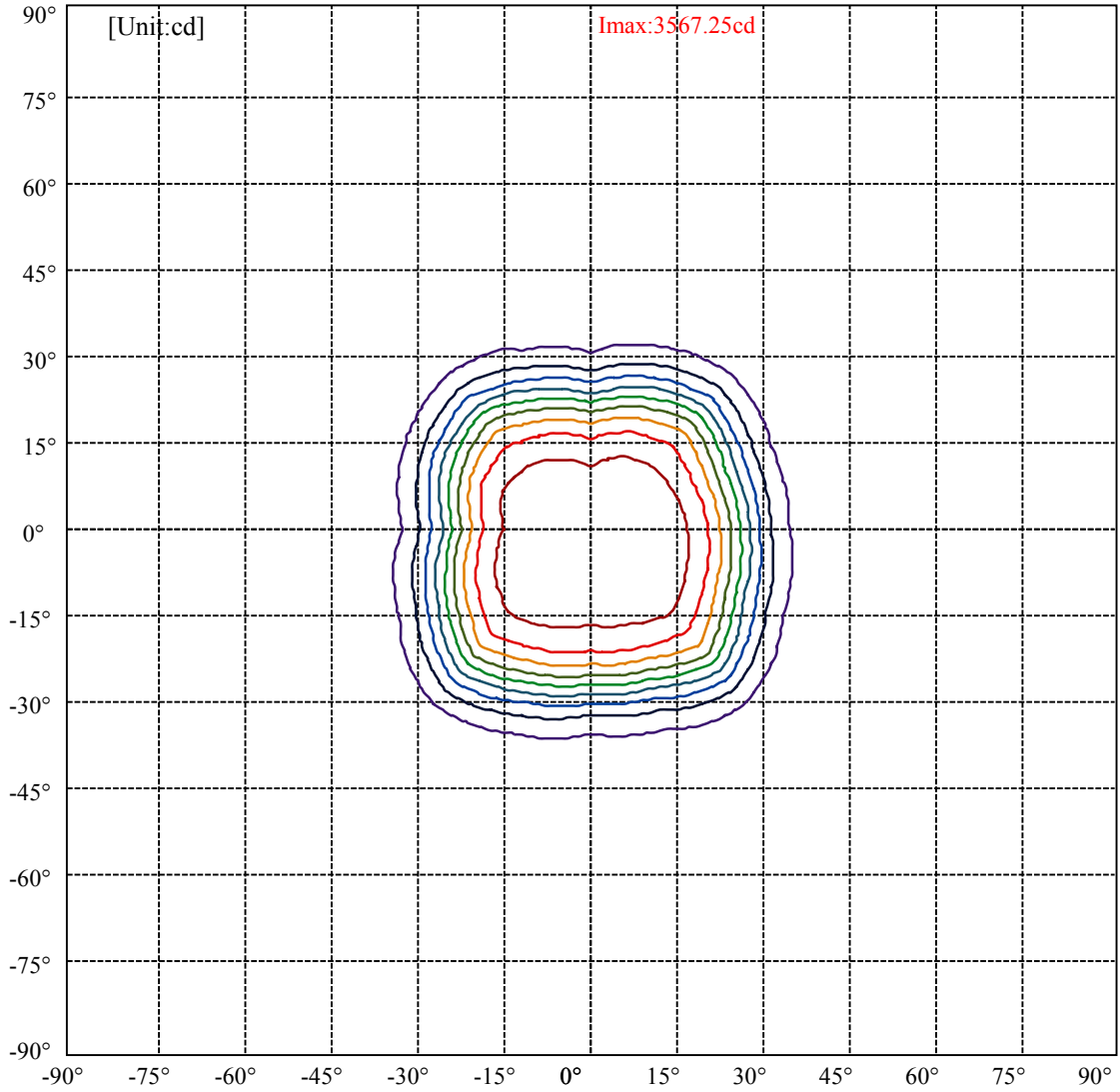
Field angle(10%Imax):C0/180Left:40.3 Right:26.1

:C90/270Left:30.2 Right:35.4

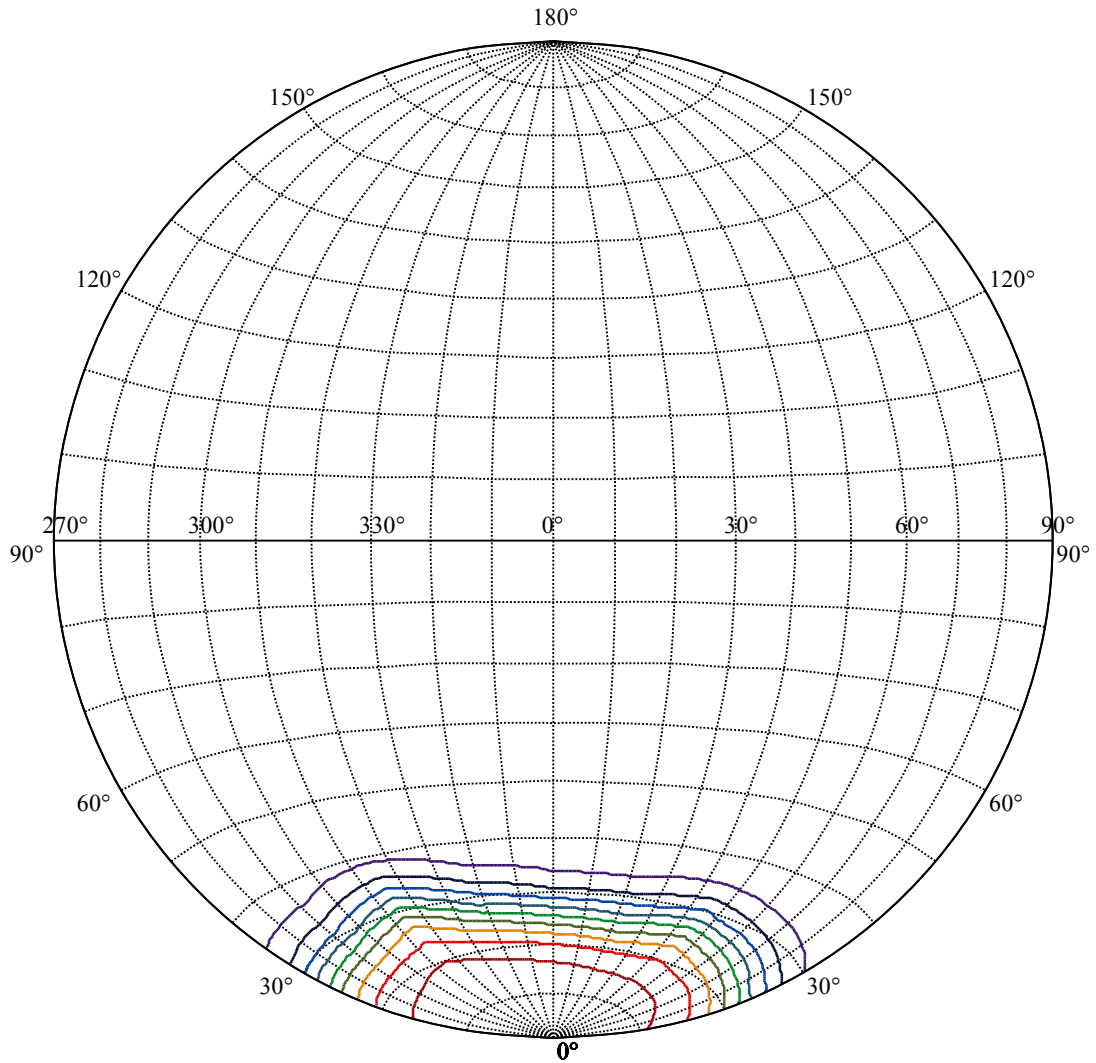
Beam Angle(50%Imax):C0/180Left:31.7 Right:17.7

:C90/270Left:21.7 Right:26.9





(10%Imax) 356.489	—
(20%Imax) 712.978	—
(30%Imax) 1069.47	—
(40%Imax) 1425.96	—
(50%Imax) 1782.45	—
(60%Imax) 2138.94	—
(70%Imax) 2495.42	—
(80%Imax) 2851.91	—
(90%Imax) 3208.4	—



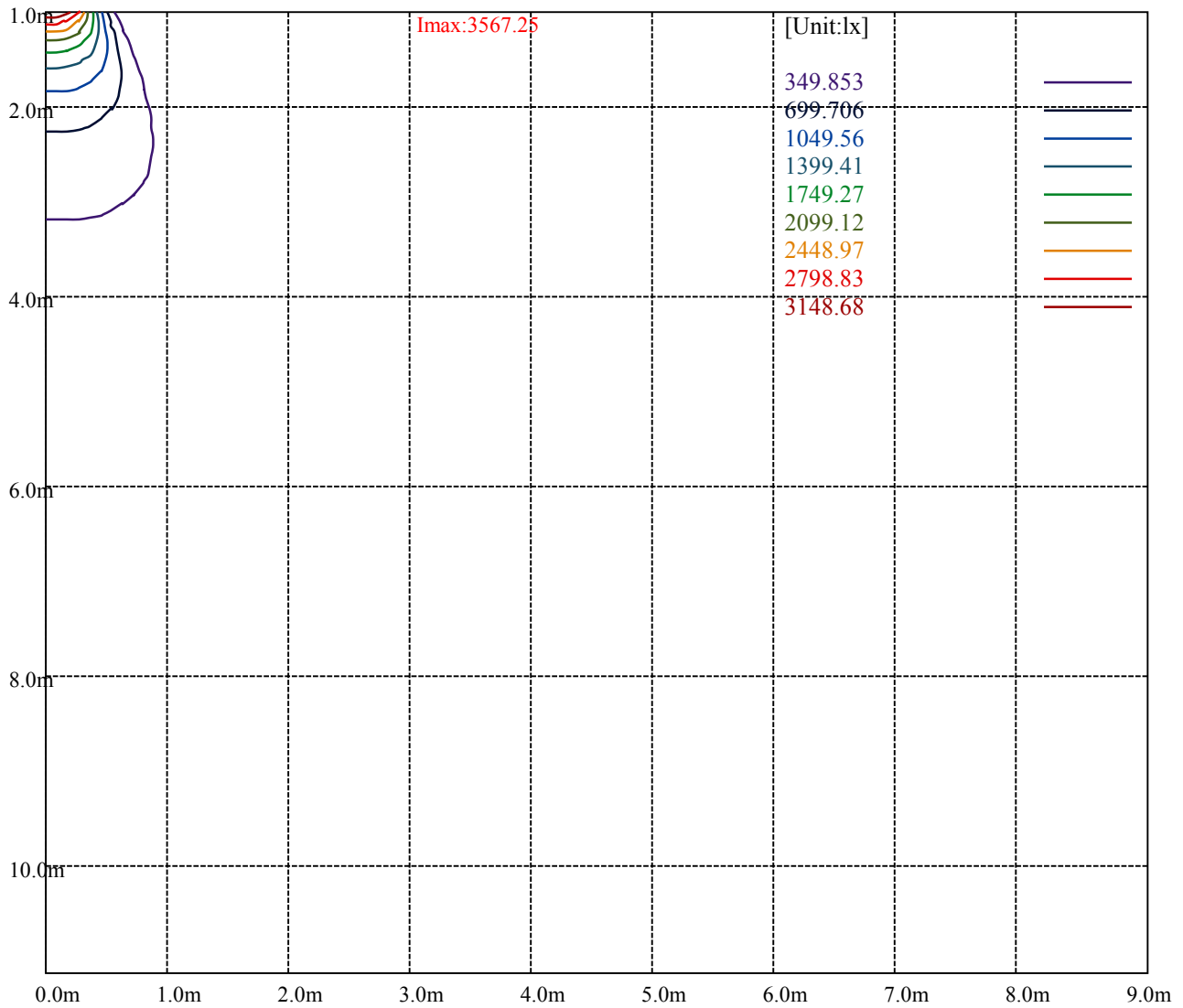
House

[Unit:cd]

Road

I_{max}:3567.25

(10%I _{max})	356.678	—
(20%I _{max})	713.357	—
(30%I _{max})	1070.03	—
(40%I _{max})	1426.71	—
(50%I _{max})	1783.39	—
(60%I _{max})	2140.07	—
(70%I _{max})	2496.75	—
(80%I _{max})	2853.43	—
(90%I _{max})	3210.1	—



Luminance Table

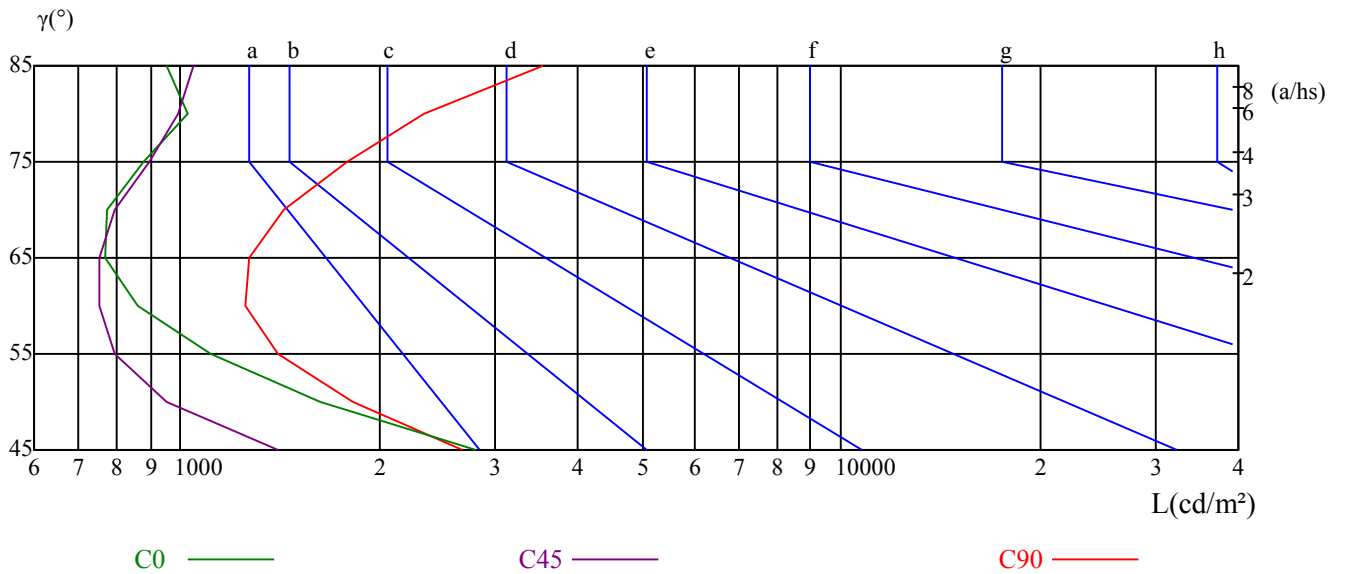
γ	45	50	55	60	65	70	75	80	85
C0	2794	1628	1108	861	768	776	880	1025	950
C45	1405	952	796	751	753	793	894	991	1047
C90	2664	1819	1404	1252	1271	1429	1783	2338	3548

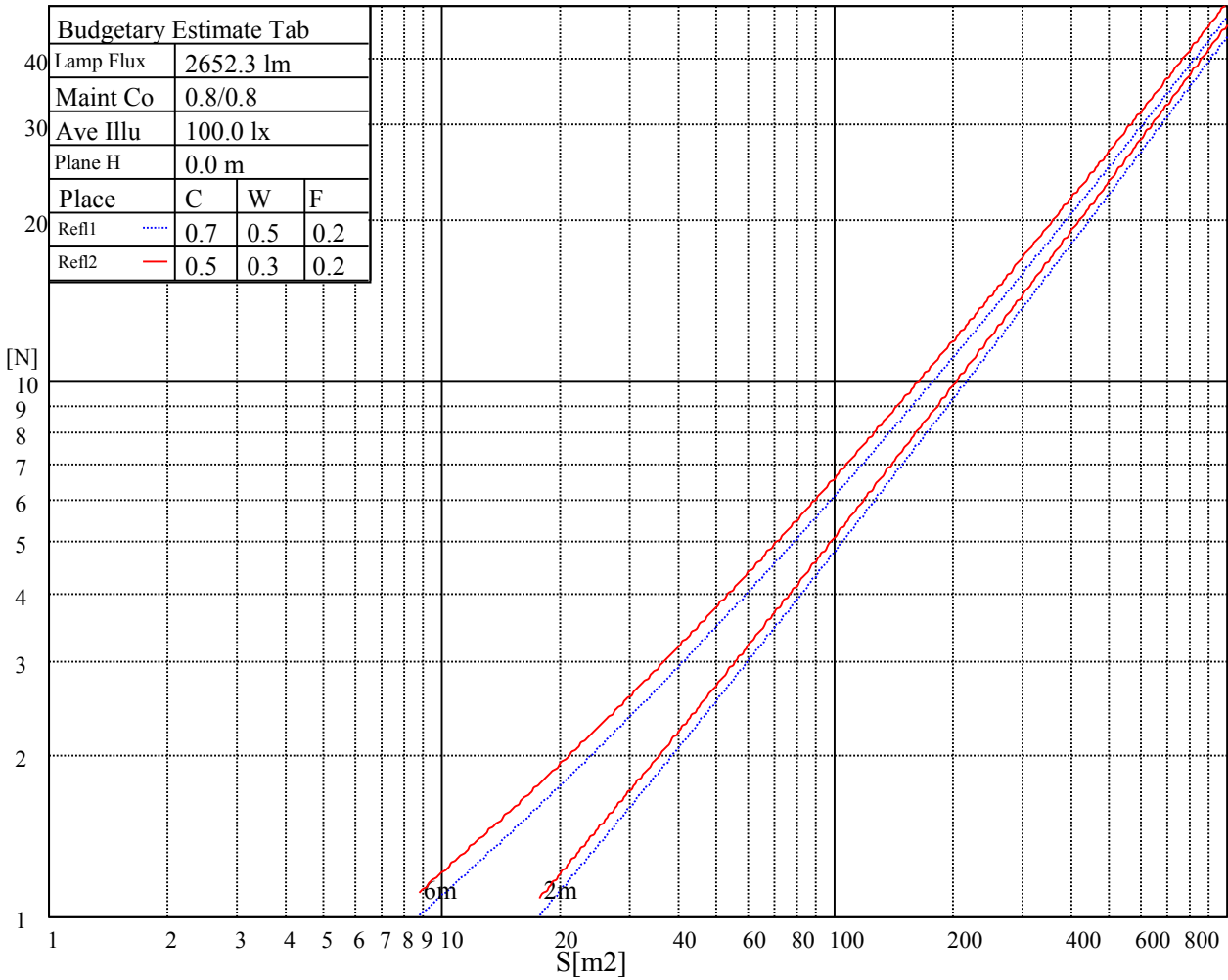
L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
1461	1450	1333	2255	2003	1996	5506	5132	5292

Glare Table

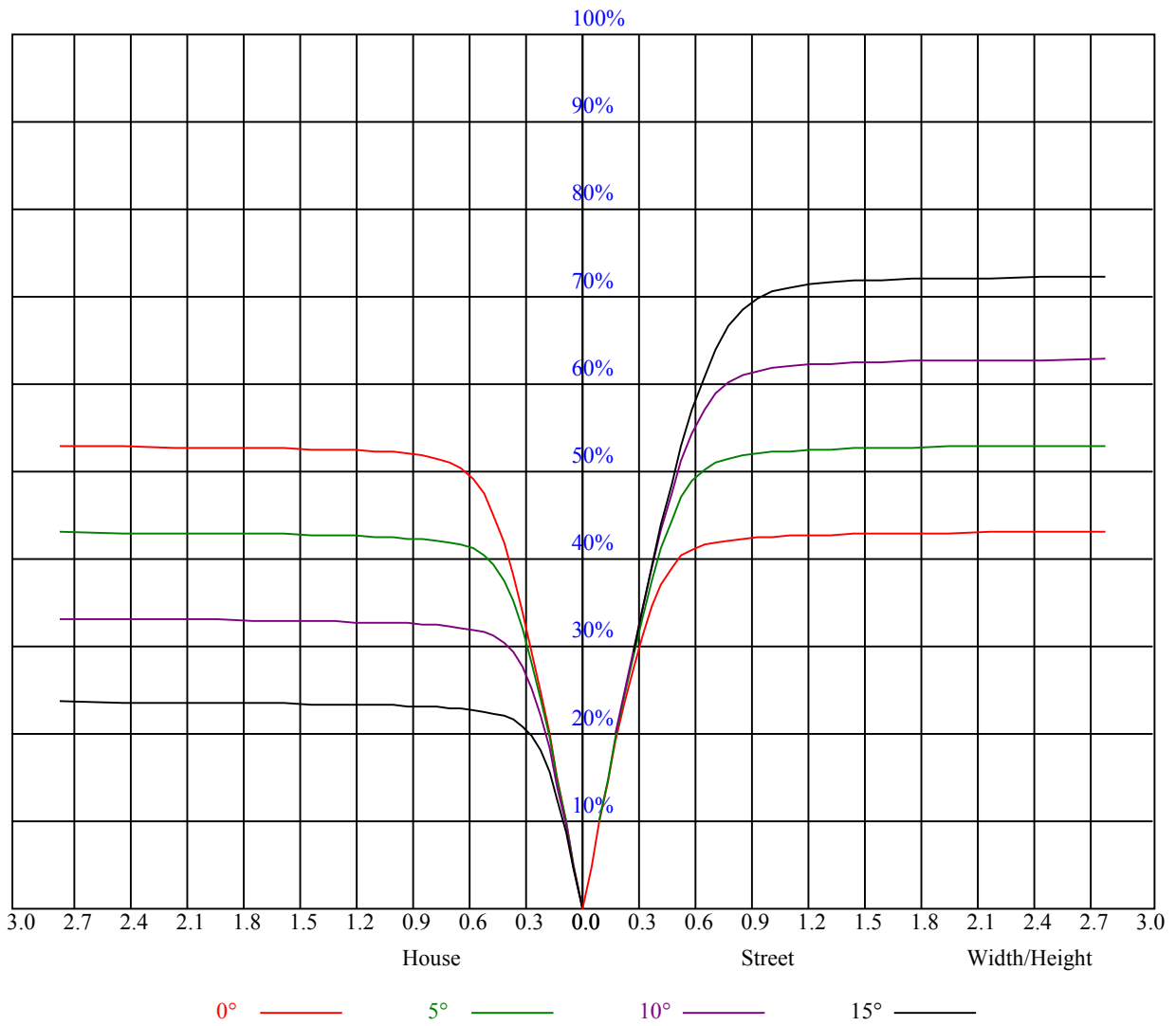
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve





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	1.15	1.15	1.15	1.12	1.12	1.12	1.07	1.07	1.07	1.03	1.03	1.03	0.99	0.99	0.99	0.97
1	1.07	1.05	1.03	1.05	1.03	1.01	1.01	1.00	0.98	0.98	0.96	0.95	0.94	0.93	0.92	0.91
2	1.00	0.97	0.94	0.99	0.95	0.93	0.96	0.93	0.91	0.93	0.91	0.89	0.90	0.88	0.87	0.85
3	0.94	0.90	0.86	0.93	0.89	0.86	0.90	0.87	0.84	0.88	0.85	0.83	0.86	0.84	0.82	0.80
4	0.89	0.84	0.80	0.88	0.83	0.80	0.86	0.82	0.79	0.84	0.80	0.78	0.82	0.79	0.77	0.75
5	0.84	0.79	0.75	0.83	0.78	0.75	0.81	0.77	0.74	0.80	0.76	0.73	0.78	0.75	0.73	0.71
6	0.79	0.74	0.70	0.79	0.74	0.70	0.77	0.73	0.70	0.76	0.72	0.69	0.75	0.71	0.69	0.67
7	0.75	0.70	0.66	0.75	0.70	0.66	0.74	0.69	0.66	0.72	0.68	0.65	0.71	0.68	0.65	0.64
8	0.72	0.66	0.63	0.71	0.66	0.62	0.70	0.65	0.62	0.69	0.65	0.62	0.68	0.64	0.62	0.60
9	0.68	0.63	0.59	0.68	0.63	0.59	0.67	0.62	0.59	0.66	0.62	0.59	0.65	0.61	0.59	0.57
10	0.65	0.60	0.56	0.64	0.60	0.56	0.64	0.59	0.56	0.63	0.59	0.56	0.62	0.59	0.56	0.55



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	3498.53	3498.53	3505.11	3515.86	3527.81	3533.19	3538.57	3544.54	3545.74
22.5	3515.86	3526.02	3534.98	3537.97	3537.97	3544.54	3542.15	3537.37	3511.68
45.0	3515.26	3518.25	3523.03	3520.04	3521.24	3514.07	3512.87	3505.70	3497.34
67.5	3503.31	3503.91	3499.73	3499.13	3497.34	3491.36	3477.62	3465.07	3445.35
90.0	3498.53	3491.96	3482.40	3471.64	3463.28	3444.75	3423.24	3393.37	3358.71
112.5	3506.90	3502.71	3495.54	3492.56	3485.98	3482.40	3472.84	3453.72	3432.80
135.0	3502.12	3498.53	3504.51	3506.30	3506.90	3508.69	3503.91	3503.31	3494.35
157.5	3499.13	3500.32	3509.89	3515.26	3523.63	3521.24	3530.80	3531.40	3524.23
180.0	3498.53	3508.09	3512.87	3521.24	3525.42	3531.40	3532.59	3520.64	3508.09
202.5	3515.86	3518.85	3520.64	3533.79	3539.16	3552.31	3553.50	3567.25	3564.26
225.0	3515.26	3515.86	3517.65	3521.84	3530.80	3534.38	3542.15	3546.33	3544.54
247.5	3503.31	3508.69	3510.48	3512.28	3514.67	3517.65	3519.45	3520.64	3515.26
270.0	3498.53	3500.32	3505.70	3511.08	3509.89	3512.87	3512.28	3508.69	3508.09
292.5	3506.90	3508.09	3512.28	3514.67	3517.06	3524.82	3533.19	3526.02	3531.40
315.0	3502.12	3500.32	3506.90	3514.07	3528.41	3531.40	3542.15	3543.35	3549.32
337.5	3499.13	3498.53	3510.48	3523.63	3530.20	3539.16	3544.54	3550.52	3552.91
360.0	3498.53	3498.53	3505.11	3515.86	3527.81	3533.19	3538.57	3544.54	3545.74
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	3522.43	3507.50	3481.80	3454.91	3401.73	3358.71	3309.12	3245.78	3182.44
22.5	3496.14	3466.86	3434.60	3390.38	3346.16	3294.18	3242.19	3181.84	3106.55
45.0	3472.84	3441.17	3412.49	3372.45	3327.04	3273.86	3212.32	3153.76	3074.88
67.5	3413.09	3375.44	3333.61	3284.62	3231.44	3178.26	3117.91	3056.36	2963.74
90.0	3312.70	3256.53	3196.78	3137.62	3077.87	2996.01	2908.77	2807.79	2675.73
112.5	3401.14	3362.30	3318.68	3270.28	3197.98	3143.60	3086.24	3016.92	2923.11
135.0	3483.00	3463.28	3429.22	3393.96	3339.59	3287.60	3233.83	3150.77	3082.05
157.5	3509.89	3490.76	3457.30	3429.22	3386.20	3336.00	3291.19	3242.79	3177.66
180.0	3475.83	3447.14	3405.92	3352.74	3309.71	3258.33	3202.16	3138.22	3036.04
202.5	3559.48	3542.15	3524.23	3497.93	3465.07	3416.67	3376.04	3332.42	3272.07
225.0	3551.11	3547.53	3543.94	3530.80	3509.29	3489.57	3462.08	3428.62	3378.43
247.5	3515.26	3503.91	3488.97	3472.24	3445.35	3412.49	3370.06	3320.47	3264.90
270.0	3494.35	3488.37	3463.88	3445.35	3405.32	3350.94	3300.15	3235.02	3163.32
292.5	3526.02	3514.67	3504.51	3480.01	3453.12	3413.09	3364.09	3317.48	3245.78
315.0	3550.52	3552.31	3546.93	3533.19	3511.08	3492.56	3460.89	3426.83	3381.42
337.5	3537.37	3519.45	3502.71	3477.62	3441.17	3398.15	3356.32	3309.71	3248.17
360.0	3522.43	3507.50	3481.80	3454.91	3401.73	3358.71	3309.12	3245.78	3182.44
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	3107.75	3000.19	2869.93	2722.34	2531.73	2348.89	2133.78	1907.91	1704.15
22.5	3013.94	2899.21	2742.66	2579.53	2399.08	2202.49	1986.78	1797.96	1600.18
45.0	2996.01	2916.54	2849.02	2734.29	2622.55	2497.07	2316.62	2147.52	1959.90
67.5	2852.01	2726.52	2586.70	2408.64	2228.19	2065.06	1834.41	1647.98	1452.00
90.0	2512.01	2353.67	2154.69	1942.57	1746.58	1524.30	1180.54	1110.09	905.14
112.5	2823.92	2676.33	2525.16	2361.43	2149.91	1977.22	1766.30	1550.59	1361.77
135.0	3010.95	2920.72	2849.02	2742.66	2617.77	2512.01	2351.87	2148.12	1990.37
157.5	3111.93	3013.34	2887.86	2746.24	2580.73	2385.34	2182.77	1998.14	1770.48
180.0	2891.44	2759.39	2594.47	2342.91	2173.81	1976.03	1700.57	1525.49	1179.40
202.5	3216.50	3144.80	3045.61	2919.53	2782.10	2599.85	2426.57	2215.64	1999.33
225.0	3334.21	3270.28	3208.13	3147.19	3068.91	2999.60	2902.20	2790.46	2676.93
247.5	3209.33	3145.99	3082.05	2991.83	2883.67	2757.60	2592.68	2407.44	2229.98
270.0	3104.76	3040.83	2938.65	2835.28	2702.62	2510.22	2336.34	2145.73	1919.86
292.5	3174.67	3131.65	3061.74	2952.99	2836.47	2692.47	2497.07	2317.22	2130.79
315.0	3319.87	3261.31	3190.21	3110.14	3032.46	2949.40	2857.98	2764.77	2654.22
337.5	3190.21	3128.66	3010.95	2903.39	2767.16	2568.78	2395.49	2211.45	1974.24
360.0	3107.75	3000.19	2869.93	2722.34	2531.73	2348.89	2133.78	1907.91	1704.15

Intensity data(cd)

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1501.59	1251.23	1060.61	884.34	687.16	558.69	455.32	359.71	305.93
22.5	1359.38	1178.33	1004.45	828.18	665.65	519.85	421.86	335.21	307.73
45.0	1719.09	1517.72	1180.72	1113.32	942.36	768.36	612.77	492.18	373.93
67.5	1248.24	1051.05	892.11	730.18	587.37	470.85	380.03	301.75	238.95
90.0	737.83	591.67	449.76	372.92	312.81	256.04	222.16	194.67	171.19
112.5	1170.56	958.44	792.32	657.88	507.90	411.10	336.41	307.73	218.99
135.0	1799.16	1526.69	1189.14	1166.26	990.58	792.50	648.92	522.24	399.75
157.5	1581.06	1370.73	1166.97	997.87	815.63	657.88	535.98	432.61	328.04
180.0	1131.72	904.42	737.11	596.39	473.06	375.13	304.20	255.44	221.56
202.5	1806.33	1609.74	1302.61	1182.03	1006.06	806.01	664.87	544.59	421.56
225.0	2545.47	2356.06	2185.76	1999.93	1759.13	1567.32	1372.52	1166.38	972.18
247.5	2046.54	1800.95	1606.16	1413.16	1179.64	1008.75	849.87	706.88	554.03
270.0	1683.24	1475.30	1244.06	1051.05	855.66	682.38	558.09	449.94	363.90
292.5	1887.59	1686.23	1487.25	1174.56	1061.57	897.37	726.83	597.29	475.87
315.0	2504.24	2327.97	2148.12	1930.02	1710.13	1512.35	1297.24	1114.99	924.97
337.5	1811.11	1594.21	1298.43	1179.70	1030.14	852.55	691.46	563.35	444.86
360.0	1501.59	1251.23	1060.61	884.34	687.16	558.69	455.32	359.71	305.93
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	240.51	207.82	182.49	157.57	135.88	120.52	105.40	92.38	82.10
22.5	221.50	193.12	168.38	141.85	122.31	107.20	91.18	80.13	70.69
45.0	277.19	207.40	151.77	102.89	78.93	64.35	53.60	43.80	38.18
67.5	202.74	174.06	150.76	127.57	109.11	94.71	81.44	70.33	62.02
90.0	146.33	129.84	115.32	101.28	89.15	79.59	70.27	62.14	56.11
112.5	192.28	168.50	144.78	124.23	110.42	95.19	83.12	73.62	64.53
135.0	299.06	223.83	160.02	113.65	88.61	70.87	59.04	48.76	41.23
157.5	308.92	221.50	191.45	158.46	137.55	115.80	98.71	86.34	75.59
180.0	195.15	169.52	149.20	130.26	113.89	101.04	89.87	77.80	69.43
202.5	340.89	278.27	232.74	207.52	179.02	152.91	136.24	118.91	102.24
225.0	812.04	649.51	519.25	392.58	310.12	212.84	150.82	112.04	85.45
247.5	451.91	366.64	290.22	240.33	208.36	177.59	153.51	130.98	111.80
270.0	301.75	272.83	222.76	192.28	169.16	152.01	128.83	114.55	103.67
292.5	387.32	308.74	261.96	225.87	193.18	169.04	147.95	125.42	110.36
315.0	749.90	610.67	485.79	353.14	307.73	196.11	134.21	102.12	82.22
337.5	348.42	278.51	231.78	194.20	168.98	147.41	125.96	108.75	95.31
360.0	240.51	207.82	182.49	157.57	135.88	120.52	105.40	92.38	82.10
C/γ(°)	45.0	46.0	47.0	48.0	49.0	50.0	51.0	52.0	53.0
0.0	73.20	63.58	57.12	51.39	46.43	41.05	37.41	34.24	30.95
22.5	60.83	54.02	48.10	42.54	37.88	34.36	30.95	28.38	25.93
45.0	34.12	30.18	27.61	25.63	23.66	22.05	20.85	19.72	18.88
67.5	55.87	47.15	41.95	38.00	32.92	29.82	27.55	24.74	22.71
90.0	50.01	45.53	40.57	37.17	34.24	31.25	28.62	26.71	24.86
112.5	57.60	50.67	44.81	40.33	35.97	32.39	29.58	27.49	24.62
135.0	36.39	32.03	28.80	26.41	24.50	22.47	21.21	20.08	19.00
157.5	65.19	56.53	50.01	43.80	38.66	34.78	31.07	28.32	25.75
180.0	62.08	54.38	49.06	44.46	39.91	35.91	32.86	29.88	27.67
202.5	91.90	81.32	68.95	62.20	55.51	47.56	43.32	39.20	35.07
225.0	70.09	58.50	47.68	41.35	36.03	31.85	28.86	26.71	24.02
247.5	97.22	83.30	71.52	62.68	55.27	47.32	41.95	37.52	33.34
270.0	88.55	79.23	72.00	62.92	55.69	50.91	44.87	40.87	37.35
292.5	97.04	82.76	72.96	64.53	56.47	49.42	44.10	39.14	35.37
315.0	67.70	53.84	45.71	39.74	34.00	30.53	27.84	25.39	23.42
337.5	82.40	71.23	62.68	54.67	48.64	42.84	37.94	34.36	31.31
360.0	73.20	63.58	57.12	51.39	46.43	41.05	37.41	34.24	30.95

Intensity data(cd)

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	28.68	26.65	24.74	23.12	21.87	20.61	19.54	18.70	17.93
22.5	23.96	22.41	20.97	19.78	18.88	18.16	17.39	16.91	16.43
45.0	18.11	17.39	16.91	16.37	15.95	15.60	15.30	15.00	14.76
67.5	21.39	19.84	18.82	17.93	16.97	16.37	15.89	15.36	15.00
90.0	22.95	21.69	20.50	19.36	18.46	17.75	17.03	16.43	15.95
112.5	22.95	21.57	20.08	18.88	18.16	17.21	16.49	16.01	15.48
135.0	18.16	17.51	16.97	16.43	16.01	15.60	15.30	15.00	14.76
157.5	23.72	22.23	20.91	19.60	18.76	18.05	17.21	16.67	16.25
180.0	25.45	23.66	22.23	20.91	19.78	18.88	18.16	17.33	16.73
202.5	31.73	29.04	26.53	24.62	22.77	21.21	20.02	18.94	18.05
225.0	22.47	21.33	19.90	18.88	18.16	17.39	16.73	16.25	15.72
247.5	29.88	27.31	24.86	22.77	21.21	19.78	18.76	17.81	16.91
270.0	33.58	30.95	28.68	26.17	24.44	22.89	21.21	20.08	19.06
292.5	31.73	28.74	26.41	24.20	22.29	20.85	19.66	18.40	17.63
315.0	21.99	20.61	19.60	18.64	17.87	17.27	16.67	16.19	15.77
337.5	28.08	25.93	24.08	22.17	20.85	19.78	18.76	17.93	17.27
360.0	28.68	26.65	24.74	23.12	21.87	20.61	19.54	18.70	17.93
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	17.33	16.73	16.25	15.83	15.60	15.24	15.12	15.12	15.18
22.5	15.95	15.54	15.24	14.94	14.70	14.52	14.46	14.52	14.64
45.0	14.52	14.34	14.10	13.98	13.80	13.62	13.56	13.44	13.38
67.5	14.70	14.34	14.16	13.92	13.74	13.56	13.44	13.32	13.21
90.0	15.48	15.18	14.82	14.58	14.28	14.16	13.86	13.74	13.68
112.5	15.12	14.82	14.46	14.22	13.98	13.80	13.62	13.50	13.32
135.0	14.52	14.34	14.16	14.04	13.92	13.80	13.68	13.62	13.50
157.5	15.77	15.42	15.12	14.76	14.58	14.34	14.16	13.98	13.98
180.0	16.25	15.77	15.42	15.06	14.76	14.52	14.46	14.34	14.28
202.5	17.39	16.79	16.19	15.77	15.42	15.06	14.70	14.46	14.28
225.0	15.30	15.00	14.70	14.40	14.22	14.04	13.86	13.74	13.56
247.5	16.31	15.83	15.24	14.82	14.52	14.16	13.98	13.74	13.56
270.0	18.05	17.27	16.61	16.01	15.54	15.12	14.76	14.40	14.10
292.5	16.91	16.13	15.66	15.24	14.82	14.46	14.22	13.98	13.80
315.0	15.48	15.06	14.82	14.64	14.40	14.16	14.04	13.86	13.68
337.5	16.67	16.19	15.72	15.36	15.06	14.76	14.52	14.40	14.34
360.0	17.33	16.73	16.25	15.83	15.60	15.24	15.12	15.12	15.18
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	15.24	15.18	15.12	15.54	15.89	15.95	15.77	16.25	16.07
22.5	14.70	14.82	14.94	15.12	15.24	15.42	15.36	15.48	15.36
45.0	13.38	13.38	13.38	13.44	13.44	13.44	13.32	13.27	12.91
67.5	13.09	13.09	13.09	13.09	13.09	13.21	12.49	12.19	12.07
90.0	13.56	13.56	13.50	13.38	13.56	13.44	13.03	12.73	12.49
112.5	13.27	13.27	13.27	13.27	13.32	13.32	13.38	13.32	12.97
135.0	13.38	13.32	13.32	13.27	13.21	13.21	13.21	13.03	12.91
157.5	13.98	13.92	13.92	13.98	14.04	14.10	14.10	14.16	13.98
180.0	14.22	14.22	14.34	14.40	14.28	14.34	14.46	14.28	14.22
202.5	14.04	13.98	13.92	13.92	13.86	13.86	13.56	13.32	13.15
225.0	13.38	13.27	13.21	13.09	13.03	12.97	12.85	12.73	12.55
247.5	13.38	13.21	13.09	12.97	12.85	12.73	12.61	12.49	12.37
270.0	13.86	13.62	13.38	13.21	13.03	12.91	12.73	12.55	12.49
292.5	13.56	13.38	13.27	13.09	12.97	12.85	12.79	12.61	12.49
315.0	13.56	13.44	13.32	13.21	13.21	13.21	13.09	13.03	12.97
337.5	14.40	14.52	14.58	14.64	14.76	14.88	15.06	15.00	15.06
360.0	15.24	15.18	15.12	15.54	15.89	15.95	15.77	16.25	16.07

Intensity data(cd)

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	16.25	16.07	16.13	15.66	12.91	11.71	11.53	11.41	11.23
22.5	14.88	14.34	13.03	11.83	11.47	11.35	11.17	11.23	11.05
45.0	12.67	12.31	12.25	11.53	11.41	11.29	11.23	11.11	11.11
67.5	11.95	11.83	11.71	11.59	11.29	11.17	11.05	10.99	10.99
90.0	12.01	11.95	11.77	11.47	11.11	10.99	10.88	10.88	10.88
112.5	12.37	12.07	11.95	11.89	11.89	11.29	11.17	11.11	11.05
135.0	12.67	12.49	12.43	12.37	11.65	11.53	11.35	11.17	11.17
157.5	13.86	13.62	12.79	12.25	12.19	11.59	11.41	11.23	11.11
180.0	14.10	13.92	12.55	12.19	11.71	11.47	11.29	11.17	10.88
202.5	13.03	12.79	12.43	12.31	12.19	12.07	11.77	11.59	11.47
225.0	12.43	12.37	12.25	12.19	12.01	11.95	11.77	11.65	11.53
247.5	12.25	12.13	12.07	11.89	11.83	11.71	11.59	11.41	11.35
270.0	12.31	12.19	12.07	12.01	11.83	11.59	11.47	11.29	11.23
292.5	12.43	12.31	12.19	12.07	11.95	11.83	11.65	11.53	11.41
315.0	12.85	12.61	12.43	12.37	12.25	11.89	11.77	11.71	11.59
337.5	14.82	14.64	14.16	13.44	12.43	11.77	11.65	11.53	11.35
360.0	16.25	16.07	16.13	15.66	12.91	11.71	11.53	11.41	11.23

C/γ(°)	90.0
0.0	11.29
22.5	10.93
45.0	11.05
67.5	10.99
90.0	10.88
112.5	11.05
135.0	11.17
157.5	11.05
180.0	10.88
202.5	11.29
225.0	11.47
247.5	11.29
270.0	11.05
292.5	11.35
315.0	11.47
337.5	11.29
360.0	11.29