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## Nata

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LumCAT: 12-0080-M3	
Luminaire: LM07126060EM	
Report No: 220510-B001	Voltage(V): 12.4700
Test No: 220510-C001	Current(A): 1.1180
LampCAT: LUMILEDS 5050	Power (W): 13.9410
Lamp flux(lm): 1696.5	PF: 0.0000
Number of Lamps: 1	Ballast type: DC
Length(mm): 570	Width(mm): 47
Phm Type: C	Height(mm): 20

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## Photometric Results

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Lumens(lm): 1475.47  
Efficiency(%): 86.97%  
Lumens(lm)/Power(W): 105.84  
Central intensity(cd): 1667.703  
Maximum intensity(cd): 1702.958  
Angle of maximum intensity: C=90.0  $\gamma=2.0$   
Beam Angle(50%Imax): [C0/180]Total=54.8  
                                  [C90/270]Total=56.9  
Field angle(10%Imax): [C0/180]Total=80.3  
                                  [C90/270]Total=85.0  
Maximum s/h(1/2): C0\_180=0.82 C90\_270=0.90  
Maximum s/h(1/4): C0\_180=0.78 C90\_270=0.84  
Up flux rate of lamp(%): 0.00%  
Down flux rate of lamp(%): 86.97%  
Up flux rate of LUM(%): - -  
Down flux rate of LUM(%): 100.00%  
CIE Type : Direct lighting  
Output flux ratio in  $\pi$  solid angle : 98.503%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	1678.608	0.000	0	.000%	.000%
1.0	1678.534	1.606	1.606	.095%	.109%
2.0	1678.011	4.818	6.424	.284%	.435%
3.0	1677.152	8.024	14.448	.473%	.979%
4.0	1675.770	11.223	25.672	.662%	1.740%
5.0	1673.529	14.409	40.08	.849%	2.716%
6.0	1670.504	17.574	57.654	1.036%	3.908%
7.0	1666.098	20.710	78.364	1.221%	5.311%
8.0	1660.384	23.807	102.171	1.403%	6.925%
9.0	1652.765	26.851	129.023	1.583%	8.745%
10.0	1642.495	29.821	158.843	1.758%	10.766%
11.0	1630.358	32.703	191.546	1.928%	12.982%
12.0	1616.129	35.489	227.035	2.092%	15.387%
13.0	1596.710	38.128	265.163	2.248%	17.971%
14.0	1573.705	40.581	305.744	2.392%	20.722%
15.0	1549.281	42.874	348.618	2.527%	23.628%
16.0	1519.068	44.960	393.578	2.650%	26.675%
17.0	1483.627	46.760	440.338	2.756%	29.844%
18.0	1444.788	48.283	488.621	2.846%	33.116%
19.0	1402.326	49.534	538.155	2.920%	36.473%
20.0	1352.477	50.421	588.575	2.972%	39.891%
21.0	1295.297	50.843	639.418	2.997%	43.337%
22.0	1240.485	50.958	690.376	3.004%	46.790%
23.0	1177.801	50.742	741.118	2.991%	50.229%
24.0	1116.729	50.167	791.284	2.957%	53.629%
25.0	1048.727	49.238	840.522	2.902%	56.966%
26.0	985.557	48.019	888.542	2.831%	60.221%
27.0	915.975	46.521	935.063	2.742%	63.374%
28.0	846.613	44.625	979.688	2.630%	66.398%
29.0	778.330	42.513	1022.201	2.506%	69.280%
30.0	712.426	40.250	1062.451	2.373%	72.008%
31.0	644.342	37.757	1100.208	2.226%	74.567%
32.0	581.810	35.128	1135.336	2.071%	76.948%
33.0	524.657	32.597	1167.933	1.921%	79.157%
34.0	469.079	30.073	1198.006	1.773%	81.195%
35.0	419.940	27.610	1225.616	1.627%	83.066%
36.0	374.498	25.295	1250.911	1.491%	84.781%
37.0	336.528	23.190	1274.101	1.367%	86.352%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	298.667	21.202	1295.303	1.250%	87.789%
39.0	265.056	19.241	1314.544	1.134%	89.093%
40.0	234.538	17.424	1331.968	1.027%	90.274%
41.0	204.911	15.649	1347.617	.922%	91.335%
42.0	178.164	13.918	1361.534	.820%	92.278%
43.0	154.043	12.306	1373.84	.725%	93.112%
44.0	133.835	10.865	1384.706	.640%	93.849%
45.0	115.618	9.587	1394.293	.565%	94.498%
46.0	99.429	8.410	1402.703	.496%	95.068%
47.0	85.801	7.367	1410.07	.434%	95.568%
48.0	74.878	6.495	1416.565	.383%	96.008%
49.0	64.585	5.727	1422.292	.338%	96.396%
50.0	55.544	5.009	1427.301	.295%	96.735%
51.0	48.430	4.399	1431.7	.259%	97.034%
52.0	42.077	3.884	1435.584	.229%	97.297%
53.0	36.382	3.413	1438.997	.201%	97.528%
54.0	31.292	2.983	1441.979	.176%	97.730%
55.0	27.154	2.609	1444.588	.154%	97.907%
56.0	23.412	2.285	1446.873	.135%	98.062%
57.0	20.152	1.992	1448.865	.117%	98.197%
58.0	17.261	1.730	1450.595	.102%	98.314%
59.0	14.763	1.497	1452.092	.088%	98.416%
60.0	12.462	1.286	1453.378	.076%	98.503%
61.0	10.386	1.090	1454.469	.064%	98.577%
62.0	9.011	0.935	1455.403	.055%	98.640%
63.0	8.134	0.834	1456.237	.049%	98.697%
64.0	7.633	0.774	1457.011	.046%	98.749%
65.0	7.327	0.740	1457.751	.044%	98.799%
66.0	7.189	0.724	1458.476	.043%	98.848%
67.0	7.103	0.719	1459.194	.042%	98.897%
68.0	7.073	0.718	1459.912	.042%	98.946%
69.0	7.043	0.720	1460.633	.042%	98.995%
70.0	7.025	0.723	1461.355	.043%	99.043%
71.0	7.002	0.725	1462.08	.043%	99.093%
72.0	6.969	0.726	1462.807	.043%	99.142%
73.0	6.935	0.727	1463.534	.043%	99.191%
74.0	6.905	0.728	1464.261	.043%	99.240%
75.0	6.860	0.727	1464.989	.043%	99.290%

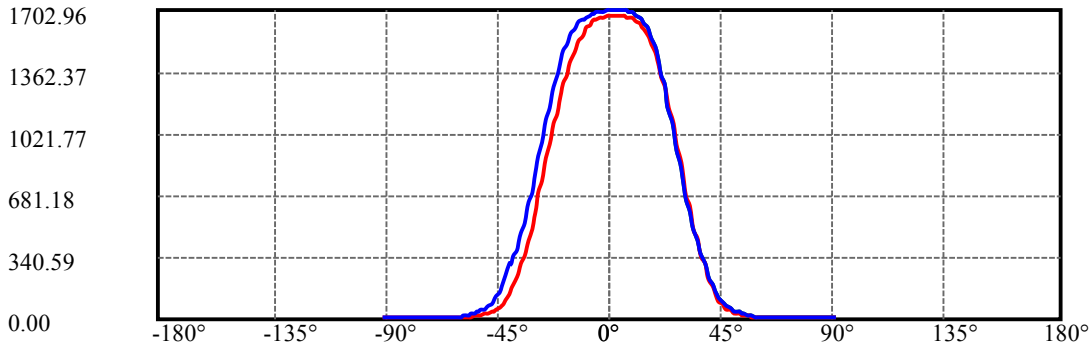
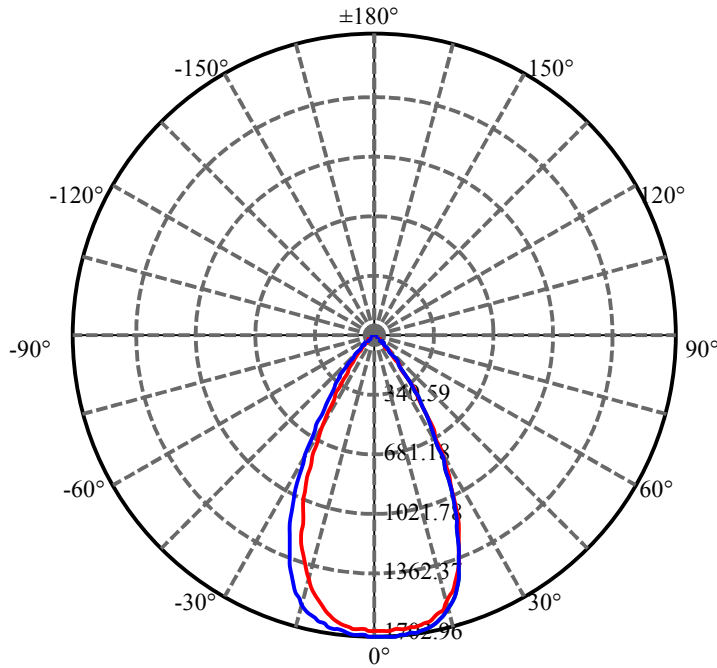
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	6.797	0.725	1465.714	.043%	99.339%
77.0	6.756	0.723	1466.436	.043%	99.388%
78.0	6.685	0.719	1467.156	.042%	99.437%
79.0	6.648	0.716	1467.872	.042%	99.485%
80.0	6.584	0.713	1468.585	.042%	99.534%
81.0	6.547	0.710	1469.295	.042%	99.582%
82.0	6.502	0.708	1470.003	.042%	99.630%
83.0	6.468	0.705	1470.708	.042%	99.677%
84.0	6.423	0.702	1471.41	.041%	99.725%
85.0	6.349	0.697	1472.107	.041%	99.772%
86.0	6.259	0.689	1472.797	.041%	99.819%
87.0	6.155	0.679	1473.476	.040%	99.865%
88.0	6.076	0.670	1474.146	.039%	99.910%
89.0	6.020	0.663	1474.809	.039%	99.955%
90.0	6.001	0.659	1475.468	.039%	100.000%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1062.45	62.63%	72.01%
0-40	1331.97	78.51%	90.27%
0-60	1453.38	85.67%	98.50%
0-90	1474.81	86.93%	99.96%
0-120	1474.81	86.93%	99.96%
0-180	1475.47	86.97%	100.00%
60-90	22.72	1.34%	1.54%
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%
0-33.41	1180.38	69.58%	80.00%

ZONAL LUMEN SUMMARY

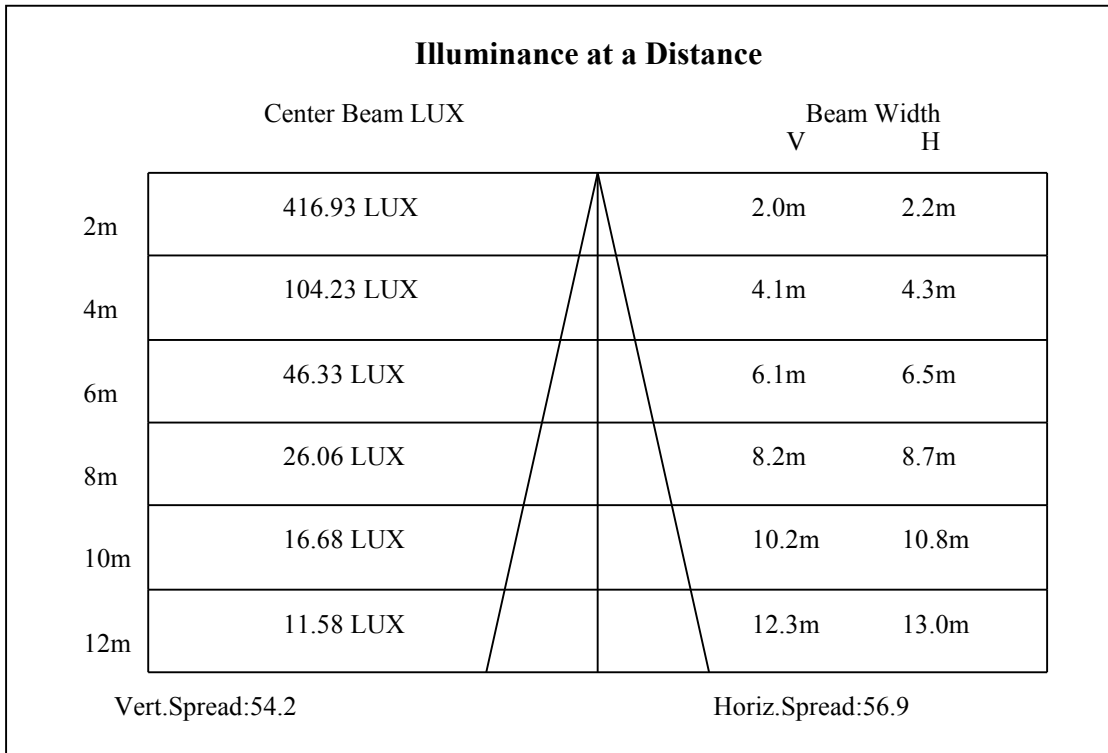
0-10	158.84
10-20	429.73
20-30	473.88
30-40	269.52
40-50	95.33
50-60	26.08
60-70	7.98
70-80	7.23
80-90	6.22
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

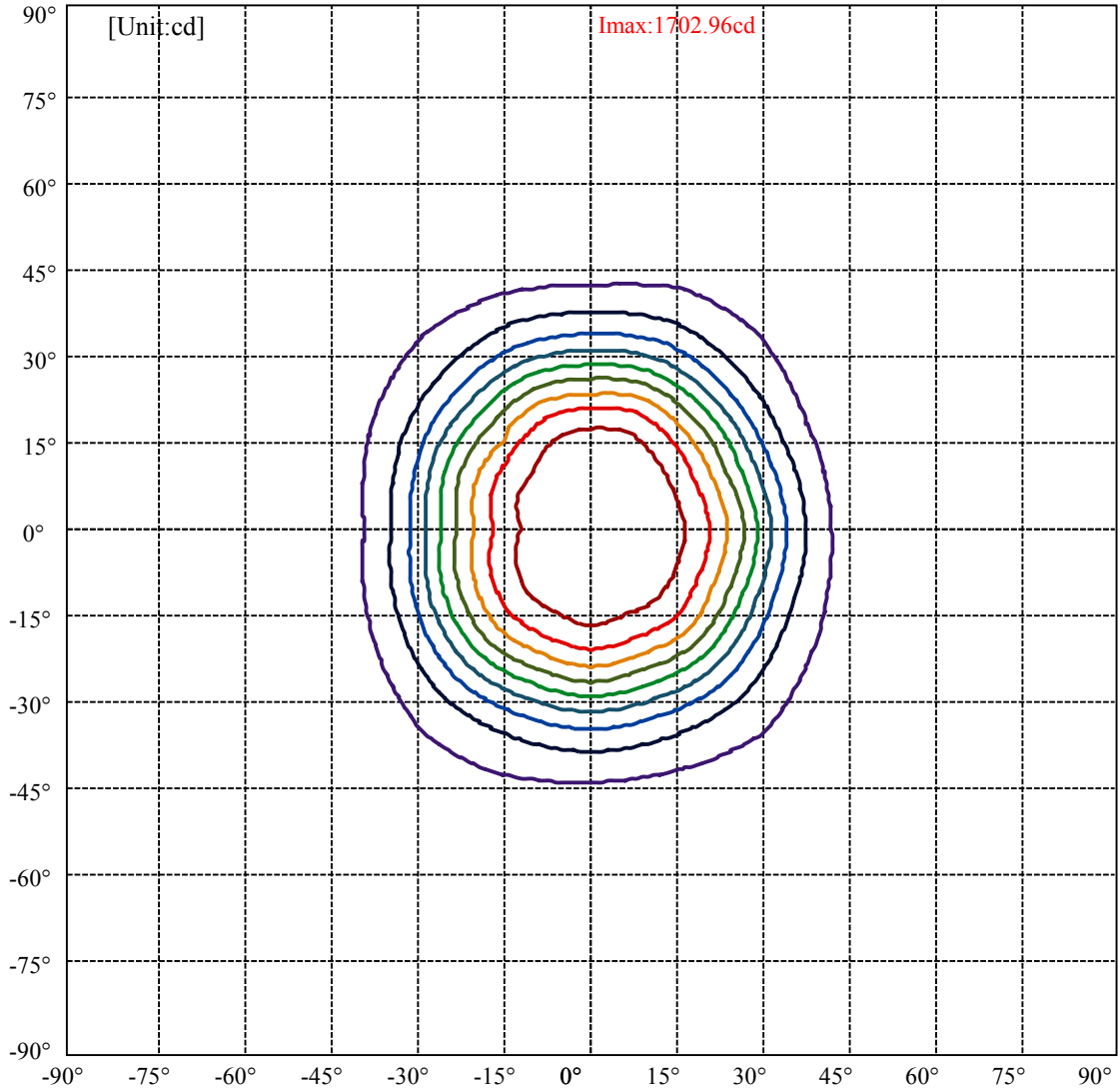


C90(Max): ———  
 C0/C180: ———  
 C90/C270: ———

Field angle(10%Imax):C0/180Left:42.9 Right:37.4  
 :C90/270Left:47.3 Right:37.7

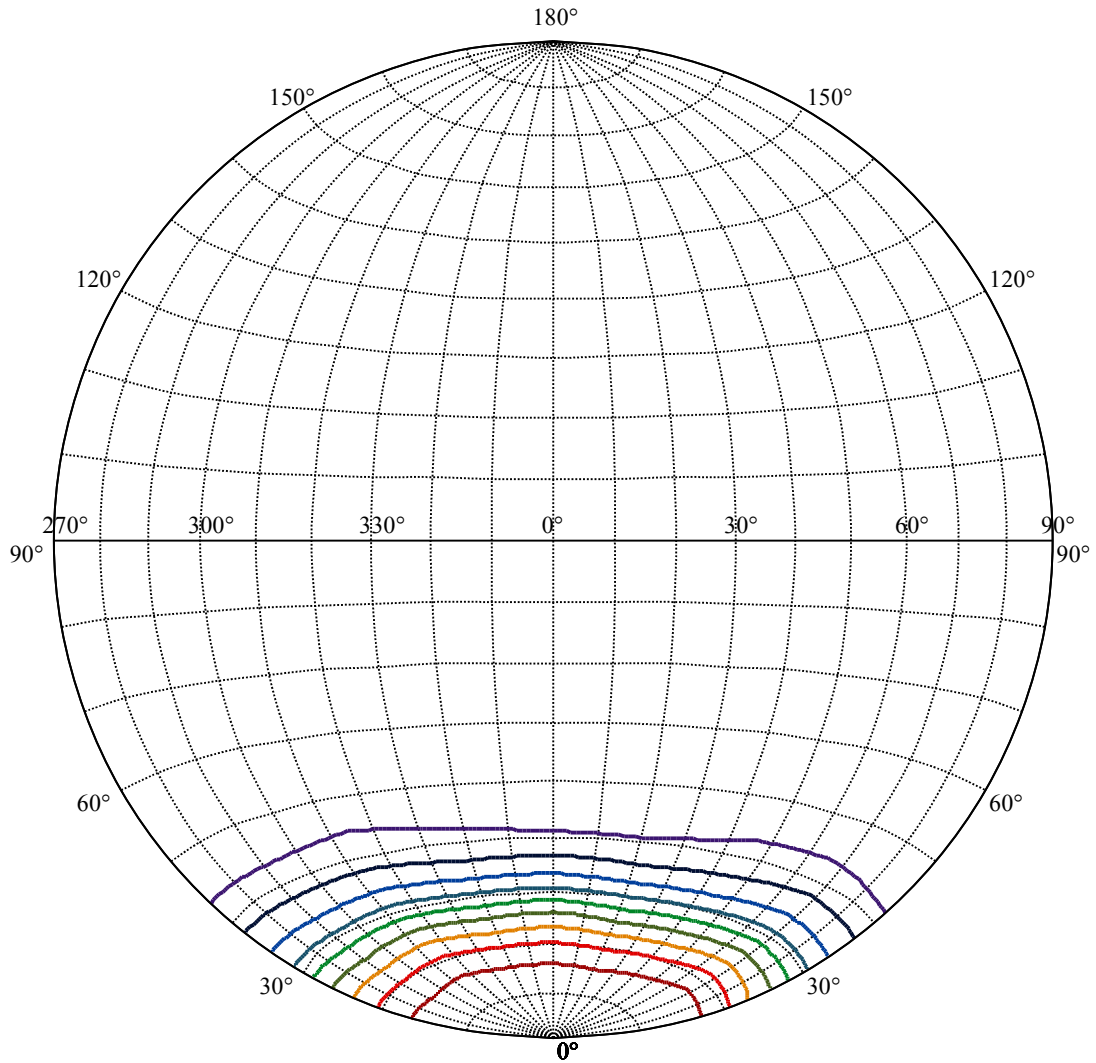
Beam Angle(50%Imax):C0/180Left:29.8 Right:25.0  
 :C90/270Left:32.7 Right:24.1





(10%Imax) 170.296	—
(20%Imax) 340.592	—
(30%Imax) 510.887	—
(40%Imax) 681.183	—
(50%Imax) 851.479	—
(60%Imax) 1021.77	—
(70%Imax) 1192.07	—
(80%Imax) 1362.37	—
(90%Imax) 1532.66	—





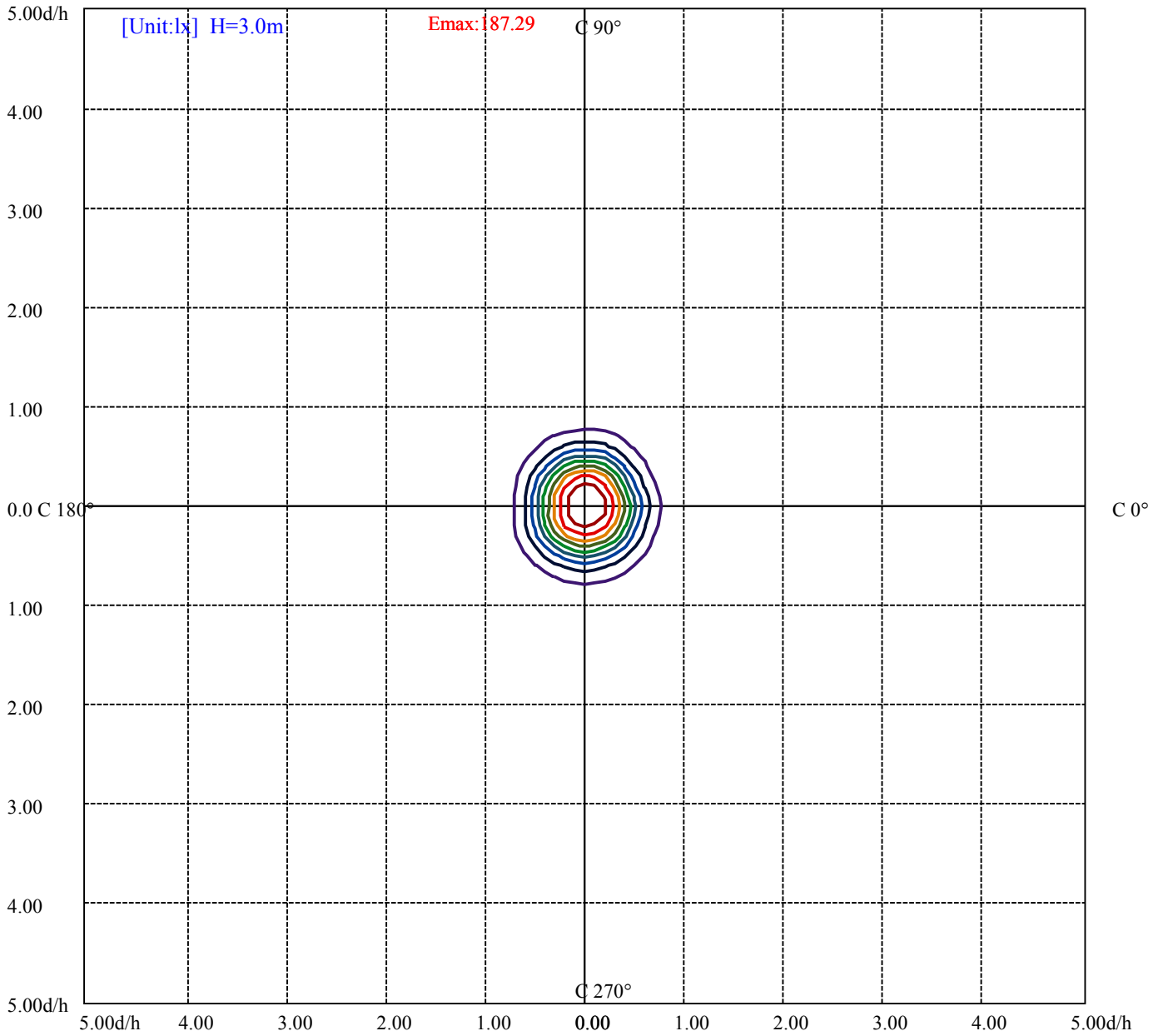
House

[Unit:cd]

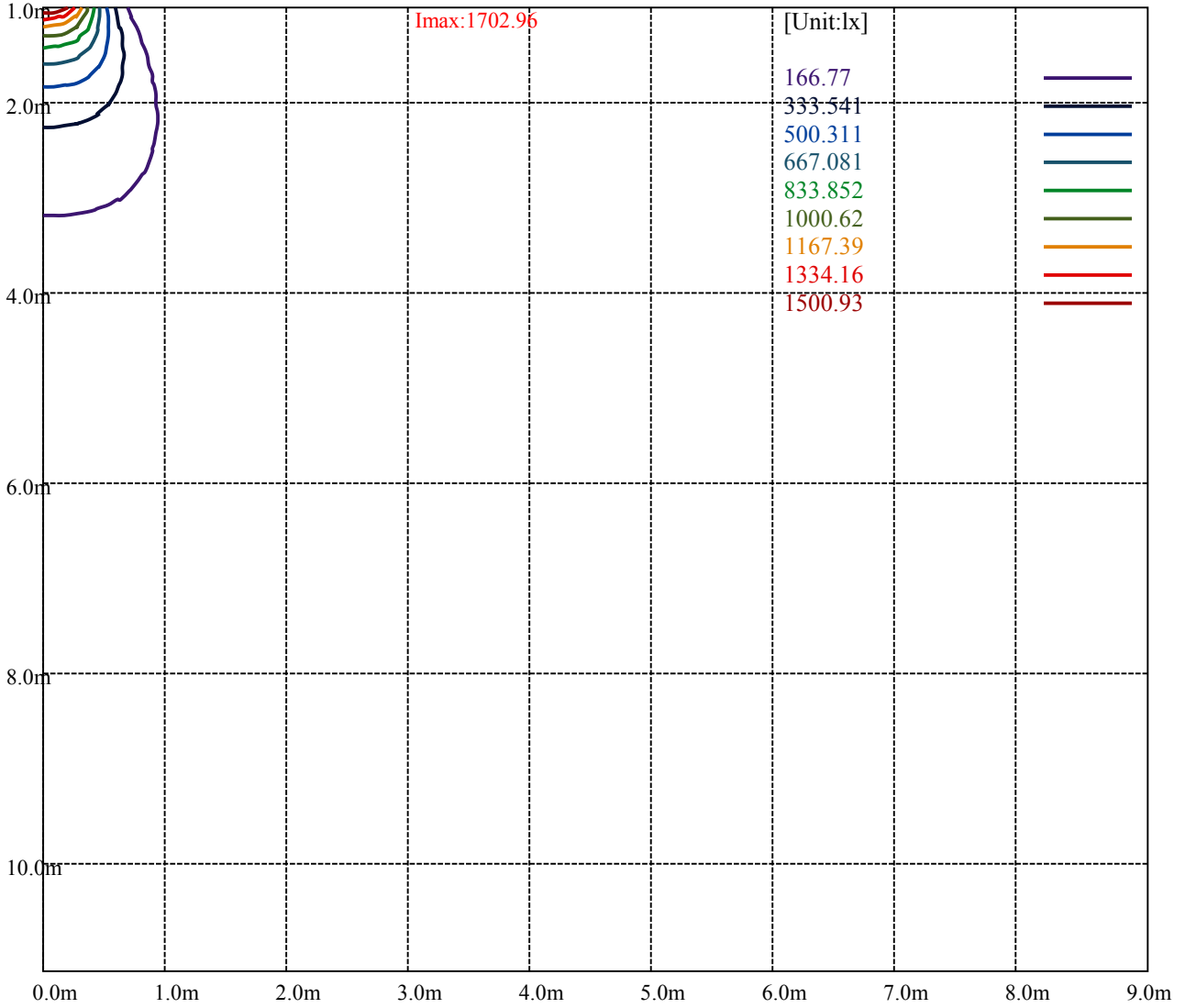
Road

**Imax:1702.96**

(10%Imax)	170.296	
(20%Imax)	340.592	
(30%Imax)	510.887	
(40%Imax)	681.183	
(50%Imax)	851.479	
(60%Imax)	1021.77	
(70%Imax)	1192.07	
(80%Imax)	1362.37	
(90%Imax)	1532.66	



- (10%Emax) 18.72922
- (20%Emax) 37.45845
- (30%Emax) 56.18767
- (40%Emax) 74.91689
- (50%Emax) 93.64611
- (60%Emax) 112.3756
- (70%Emax) 131.1044
- (80%Emax) 149.8333
- (90%Emax) 168.5633



Luminance Table

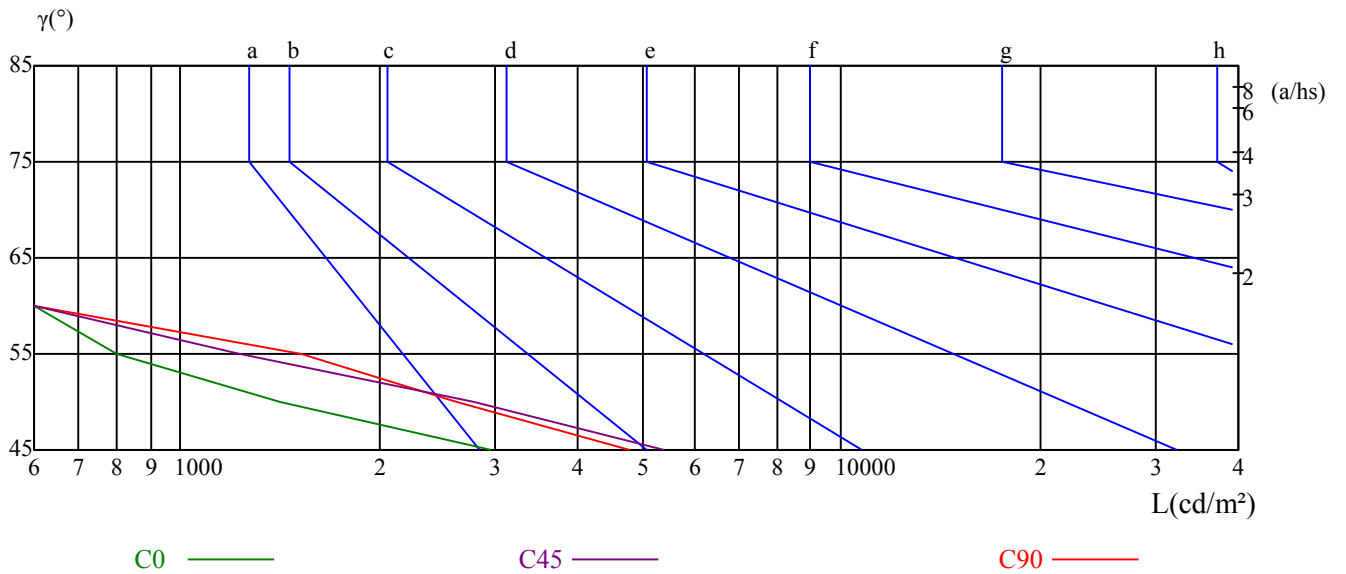
$\gamma$	45	50	55	60	65	70	75	80	85
C0	2956	1418	801	426	370	379	410	455	524
C45	5403	2790	1229	573	364	382	428	483	564
C90	4781	2611	1526	593	535	678	853	1125	1900

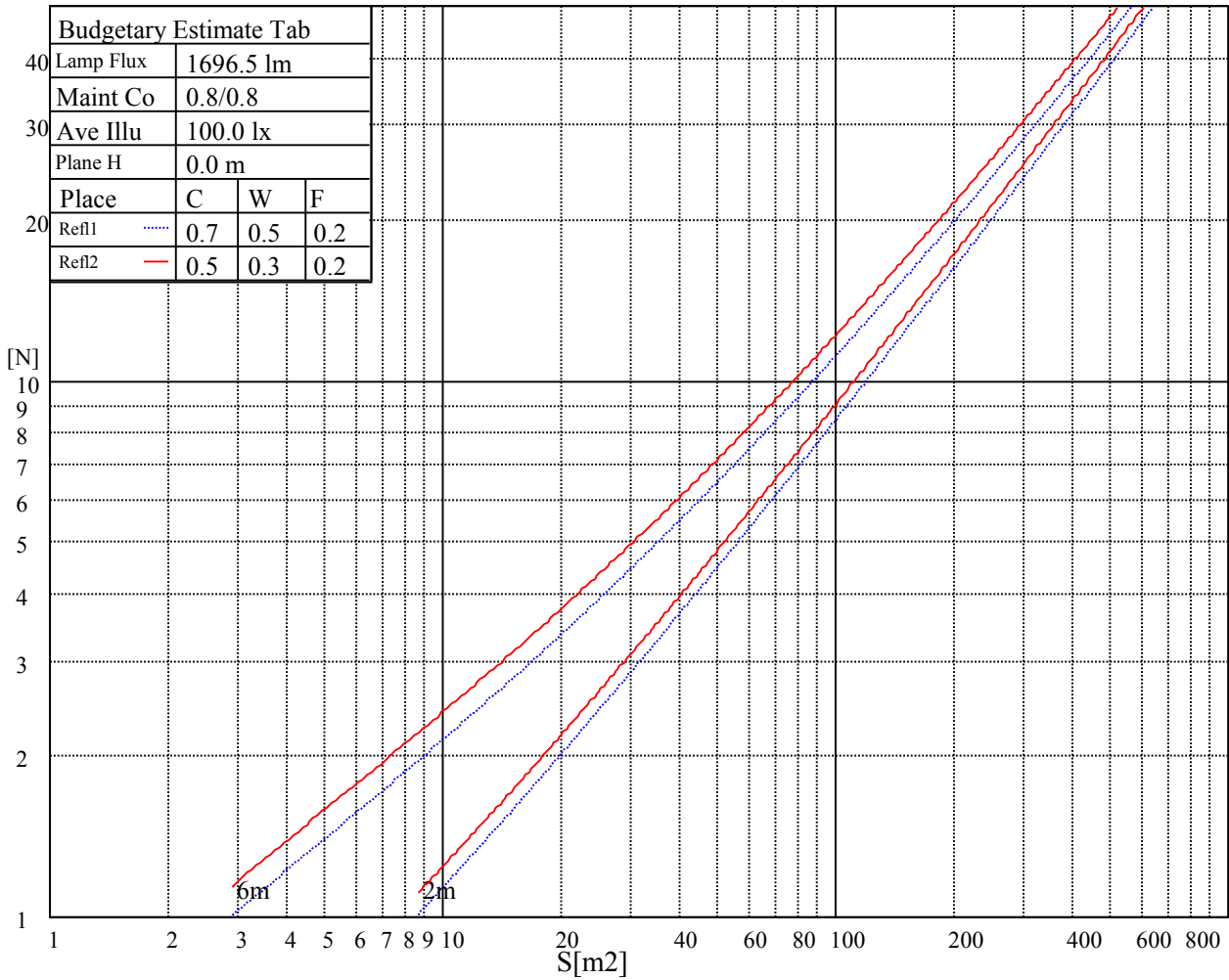
L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
678	581	664	1056	948	965	2905	2649	2693

Glare Table

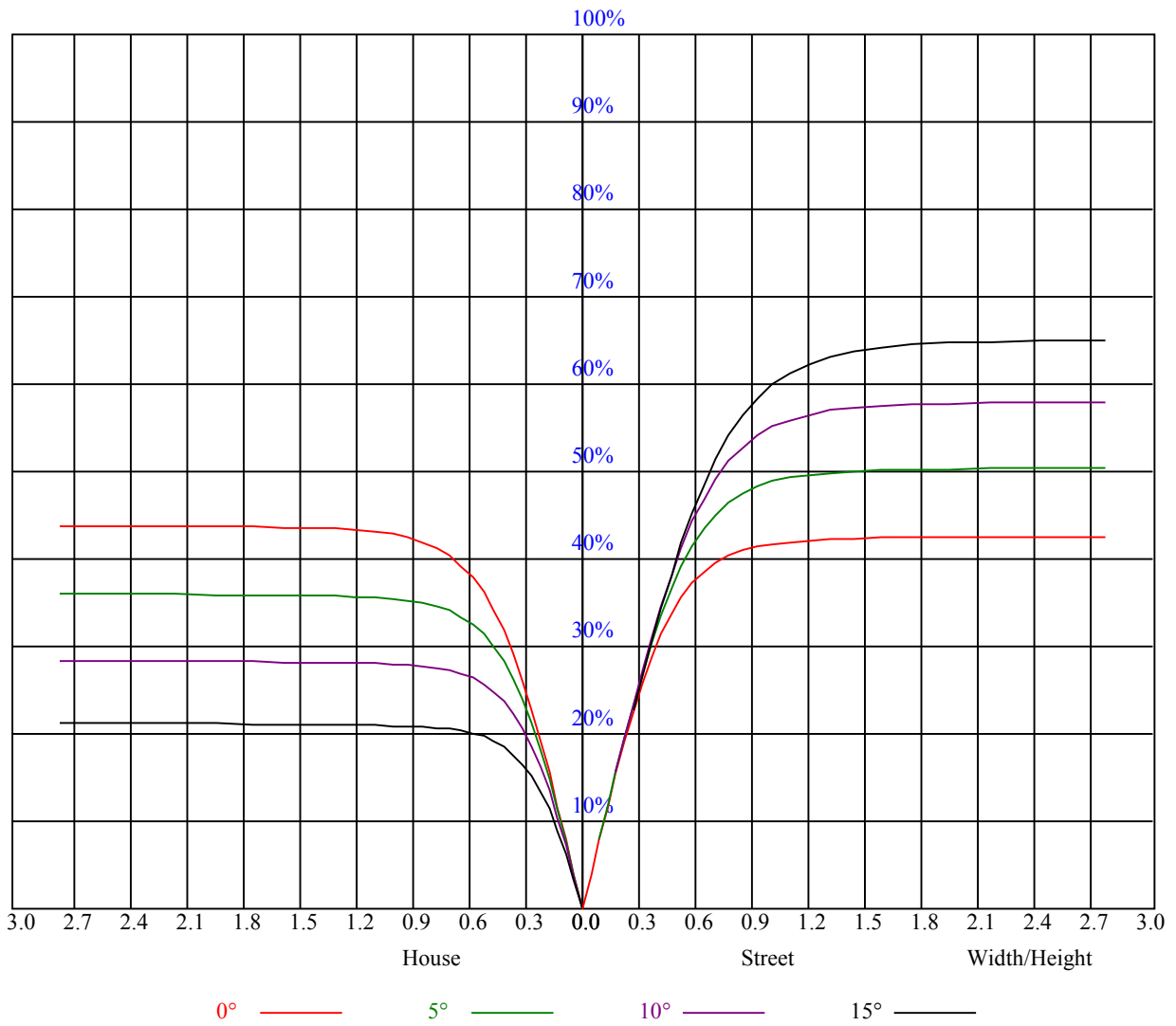
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

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	1.04	1.04	1.04	1.01	1.01	1.01	0.97	0.97	0.97	0.93	0.93	0.93	0.89	0.89	0.89	0.87
1	0.96	0.94	0.92	0.94	0.92	0.90	0.91	0.89	0.88	0.87	0.86	0.85	0.84	0.83	0.82	0.81
2	0.89	0.86	0.83	0.88	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	0.83	0.79	0.75	0.82	0.78	0.75	0.80	0.76	0.73	0.78	0.75	0.72	0.76	0.73	0.71	0.70
4	0.78	0.73	0.69	0.77	0.72	0.69	0.75	0.71	0.68	0.73	0.70	0.67	0.71	0.69	0.66	0.65
5	0.73	0.68	0.64	0.72	0.67	0.64	0.70	0.66	0.63	0.69	0.65	0.62	0.68	0.64	0.62	0.61
6	0.68	0.63	0.59	0.68	0.63	0.59	0.66	0.62	0.59	0.65	0.61	0.58	0.64	0.61	0.58	0.57
7	0.64	0.59	0.55	0.64	0.59	0.55	0.63	0.58	0.55	0.62	0.58	0.55	0.61	0.57	0.54	0.53
8	0.61	0.55	0.52	0.60	0.55	0.52	0.59	0.55	0.52	0.58	0.54	0.51	0.57	0.54	0.51	0.50
9	0.57	0.52	0.49	0.57	0.52	0.49	0.56	0.52	0.48	0.55	0.51	0.48	0.55	0.51	0.48	0.47
10	0.54	0.49	0.46	0.54	0.49	0.46	0.53	0.49	0.46	0.53	0.48	0.46	0.52	0.48	0.45	0.44



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	1667.70	1667.70	1667.70	1667.70	1667.70	1667.11	1666.51	1664.72	1662.33
22.5	1667.70	1667.70	1667.11	1667.11	1667.11	1666.51	1664.72	1662.92	1659.34
45.0	1685.63	1685.63	1685.63	1685.03	1683.84	1682.64	1680.85	1677.86	1673.08
67.5	1684.43	1685.63	1686.82	1687.42	1687.42	1686.82	1686.82	1685.03	1682.64
90.0	1701.17	1702.36	1702.96	1702.96	1702.96	1702.36	1700.57	1698.77	1695.79
112.5	1676.07	1676.67	1676.67	1676.67	1675.47	1674.28	1671.29	1668.30	1664.12
135.0	1664.12	1661.73	1658.74	1655.75	1653.36	1649.18	1646.19	1640.22	1632.45
157.5	1682.04	1682.04	1681.45	1680.85	1678.46	1674.28	1668.30	1660.53	1651.57
180.0	1667.70	1666.51	1665.31	1662.92	1658.74	1652.77	1645.59	1634.84	1619.90
202.5	1667.70	1668.30	1668.90	1668.90	1668.30	1667.11	1664.72	1659.34	1652.17
225.0	1685.63	1685.63	1684.43	1683.24	1682.04	1678.46	1674.87	1669.50	1662.33
247.5	1684.43	1682.64	1679.65	1676.67	1673.08	1669.50	1662.92	1656.95	1650.38
270.0	1701.17	1699.97	1697.58	1695.19	1691.60	1687.42	1682.64	1677.26	1671.29
292.5	1676.07	1675.47	1674.28	1671.89	1669.50	1665.91	1662.33	1655.75	1650.38
315.0	1664.12	1666.51	1668.90	1670.09	1670.69	1670.69	1669.50	1667.70	1664.12
337.5	1682.04	1682.04	1682.04	1682.04	1682.04	1681.45	1680.25	1677.86	1674.28
360.0	1667.70	1667.70	1667.70	1667.70	1667.70	1667.11	1666.51	1664.72	1662.33
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	1656.95	1650.97	1642.01	1629.46	1612.73	1593.61	1568.51	1539.23	1508.16
22.5	1653.36	1645.59	1635.44	1620.50	1600.18	1578.67	1549.99	1516.53	1481.27
45.0	1667.11	1658.14	1646.79	1634.24	1618.11	1594.21	1569.11	1546.41	1507.57
67.5	1678.46	1673.08	1667.11	1658.14	1644.40	1630.06	1615.12	1590.02	1561.34
90.0	1690.41	1683.84	1675.47	1664.12	1648.58	1631.25	1606.16	1579.87	1543.42
112.5	1656.95	1649.78	1640.81	1628.86	1613.93	1597.20	1575.09	1548.80	1520.71
135.0	1625.28	1613.33	1596.00	1581.06	1562.54	1530.87	1506.37	1475.30	1436.46
157.5	1639.02	1622.89	1604.96	1586.44	1552.38	1523.70	1497.41	1455.58	1412.56
180.0	1603.77	1581.06	1555.97	1531.47	1504.58	1465.74	1431.68	1394.04	1346.83
202.5	1641.41	1625.88	1609.74	1590.02	1564.33	1533.86	1505.77	1469.92	1434.67
225.0	1652.77	1642.61	1628.86	1614.52	1594.80	1570.90	1547.00	1514.74	1478.29
247.5	1643.20	1631.85	1621.10	1604.96	1588.23	1566.12	1541.62	1517.13	1483.07
270.0	1664.12	1655.16	1645.59	1634.24	1616.32	1598.39	1576.88	1548.80	1514.74
292.5	1643.20	1633.05	1623.49	1611.54	1595.40	1575.09	1554.17	1525.49	1495.02
315.0	1659.34	1652.77	1642.61	1631.25	1615.12	1596.00	1575.68	1549.99	1518.92
337.5	1668.90	1659.94	1649.78	1637.23	1615.72	1593.61	1567.92	1533.26	1495.02
360.0	1656.95	1650.97	1642.01	1629.46	1612.73	1593.61	1568.51	1539.23	1508.16
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1469.92	1431.68	1384.47	1332.49	1281.70	1223.14	1162.19	1103.64	1049.26
22.5	1434.07	1392.84	1342.05	1285.28	1228.52	1162.19	1093.48	1027.75	963.22
45.0	1471.12	1430.48	1373.12	1321.73	1265.57	1186.93	1132.62	1060.37	994.05
67.5	1529.08	1491.43	1443.63	1395.83	1328.90	1273.33	1199.84	1126.34	1059.42
90.0	1500.40	1457.97	1409.57	1343.25	1285.88	1189.08	1141.28	1075.97	1009.64
112.5	1482.47	1443.63	1394.63	1337.87	1281.10	1219.56	1143.67	1079.73	1015.80
135.0	1392.84	1349.82	1297.24	1186.33	1179.28	1121.68	1054.88	986.64	925.75
157.5	1374.91	1321.73	1266.16	1222.54	1156.82	1100.65	1045.08	971.58	908.84
180.0	1296.64	1250.63	1190.99	1133.33	1079.68	1016.58	957.72	890.62	821.60
202.5	1391.65	1344.44	1299.03	1236.29	1175.28	1127.78	1071.31	990.52	938.00
225.0	1442.44	1403.60	1351.01	1304.41	1254.21	1187.29	1131.72	1073.16	1006.24
247.5	1449.01	1404.79	1361.77	1301.42	1240.47	1187.41	1121.92	1054.34	994.05
270.0	1480.68	1437.65	1389.85	1342.65	1284.09	1229.71	1165.78	1098.26	1036.71
292.5	1456.18	1411.36	1366.55	1311.58	1244.06	1189.56	1130.70	1055.06	994.89
315.0	1486.65	1450.80	1399.41	1353.40	1302.61	1241.67	1177.73	1116.78	1045.08
337.5	1458.57	1414.35	1370.13	1316.36	1259.59	1188.25	1137.75	1068.86	1006.36
360.0	1469.92	1431.68	1384.47	1332.49	1281.70	1223.14	1162.19	1103.64	1049.26



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	960.23	893.31	835.35	752.89	679.99	624.42	549.73	486.39	440.38
22.5	883.15	818.61	748.11	678.79	605.30	544.35	481.61	423.05	379.43
45.0	919.24	852.61	776.85	701.74	637.38	562.51	507.42	457.05	411.22
67.5	993.09	912.43	841.32	778.58	697.32	633.38	577.21	516.86	461.89
90.0	926.83	860.56	794.41	721.93	660.03	594.12	532.52	482.09	430.16
112.5	936.33	874.78	807.86	734.36	665.05	607.69	547.34	489.97	443.37
135.0	857.99	797.70	729.58	662.96	606.13	545.48	488.42	441.33	398.25
157.5	847.89	770.81	704.49	644.73	567.65	507.90	455.32	403.33	356.72
180.0	759.64	697.14	618.44	557.73	501.09	436.61	390.72	348.84	305.34
202.5	876.75	806.48	735.62	672.76	605.24	541.60	487.52	429.98	383.43
225.0	936.93	874.78	804.27	743.33	677.60	620.83	561.08	503.72	449.94
247.5	933.52	856.50	795.37	735.80	671.03	608.70	555.52	499.06	447.43
270.0	974.57	896.29	834.75	773.80	700.30	642.94	588.57	530.01	475.04
292.5	935.07	866.84	799.02	739.62	674.55	611.45	557.55	500.25	453.76
315.0	971.58	907.05	834.15	771.41	703.89	638.76	583.19	523.44	467.87
337.5	942.78	859.90	793.70	728.39	656.92	588.21	530.79	469.90	414.80
360.0	960.23	893.31	835.35	752.89	679.99	624.42	549.73	486.39	440.38
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	380.63	337.60	306.53	246.18	212.48	180.21	144.12	119.98	99.79
22.5	334.02	304.74	252.99	221.38	189.48	160.02	130.98	107.56	90.17
45.0	360.73	325.12	293.39	258.25	233.63	211.88	189.66	169.82	153.39
67.5	418.87	373.46	338.20	302.35	267.57	240.86	211.23	183.26	160.32
90.0	384.03	345.91	308.15	261.00	225.51	192.88	160.26	132.47	112.16
112.5	397.95	359.71	321.47	301.75	252.87	222.52	186.31	160.20	136.89
135.0	350.99	317.11	287.05	256.76	230.11	208.90	187.68	169.10	154.52
157.5	320.87	303.54	253.47	224.67	196.95	174.48	150.28	126.44	107.67
180.0	264.59	230.11	194.44	164.32	133.61	108.03	89.75	73.62	61.37
202.5	337.25	296.61	264.29	229.03	200.41	171.67	147.17	119.57	100.74
225.0	405.72	365.09	320.28	304.14	258.55	231.42	208.00	188.52	169.58
247.5	405.78	363.90	330.79	297.09	267.33	243.85	222.46	196.23	175.02
270.0	430.82	384.81	347.76	310.72	303.54	242.06	207.16	181.47	148.37
292.5	406.26	368.32	330.49	300.14	266.32	240.09	212.78	179.38	154.28
315.0	423.05	381.82	336.41	304.14	285.08	244.57	220.07	200.77	181.35
337.5	370.41	326.61	292.97	258.97	229.15	205.13	182.72	156.31	135.76
360.0	380.63	337.60	306.53	246.18	212.48	180.21	144.12	119.98	99.79
C/γ(°)	45.0	46.0	47.0	48.0	49.0	50.0	51.0	52.0	53.0
0.0	79.83	67.40	57.54	48.76	41.77	36.81	32.21	28.68	25.28
22.5	74.45	61.84	53.12	46.91	39.08	34.42	30.95	26.59	23.48
45.0	135.70	121.30	105.34	90.70	78.87	66.68	55.75	47.15	39.86
67.5	139.16	116.10	100.21	86.64	72.42	63.04	55.03	47.38	41.77
90.0	93.75	79.35	69.25	60.95	53.30	46.85	41.35	37.05	32.98
112.5	114.31	95.96	82.70	73.14	60.83	53.66	48.22	41.59	36.81
135.0	139.76	126.97	112.57	98.41	86.28	72.72	60.29	50.61	42.31
157.5	91.36	74.45	63.58	54.85	46.79	40.27	35.43	30.83	27.01
180.0	53.00	46.25	39.56	35.19	31.49	27.31	24.26	21.69	18.70
202.5	84.79	71.70	58.92	50.91	44.46	38.00	33.70	30.18	26.65
225.0	152.07	137.07	121.42	108.45	94.17	80.43	69.61	60.05	50.43
247.5	154.16	129.54	111.92	96.50	81.86	69.67	60.77	52.58	46.19
270.0	125.48	106.24	87.42	75.65	65.97	56.17	49.77	44.22	38.06
292.5	131.52	111.56	91.36	78.81	68.66	58.38	51.51	45.77	40.03
315.0	163.84	149.92	137.43	123.81	110.12	95.96	84.13	72.72	60.77
337.5	116.70	95.19	80.49	68.36	57.30	48.34	41.89	36.15	31.79
360.0	79.83	67.40	57.54	48.76	41.77	36.81	32.21	28.68	25.28

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	22.23	19.78	17.39	15.18	13.27	11.47	9.92	9.14	8.72
22.5	21.21	18.16	15.83	14.16	11.71	10.22	9.14	8.25	7.89
45.0	32.51	27.67	23.54	19.66	16.55	14.16	12.01	10.16	8.90
67.5	36.39	31.79	28.32	24.80	21.51	18.82	16.43	12.67	9.38
90.0	28.26	24.62	21.33	17.69	14.40	10.93	8.43	7.23	6.81
112.5	32.92	28.98	25.28	22.41	19.42	16.91	12.85	8.96	7.77
135.0	34.00	28.62	24.14	20.02	16.73	14.34	12.25	10.46	9.08
157.5	24.08	20.97	18.64	16.43	14.52	12.91	11.11	9.62	8.60
180.0	16.55	14.70	12.49	10.93	9.68	8.66	8.25	7.89	7.65
202.5	23.48	20.85	18.28	16.19	14.22	12.13	10.64	9.32	8.48
225.0	42.19	36.03	30.29	25.51	21.93	18.82	15.60	13.44	11.59
247.5	39.97	34.60	30.47	26.23	22.41	19.42	16.73	13.68	10.93
270.0	33.52	29.40	25.04	21.15	18.11	14.76	11.11	8.84	7.59
292.5	35.02	31.07	27.01	23.54	20.08	16.97	14.10	10.28	8.25
315.0	50.49	42.72	34.72	29.40	24.80	20.61	17.21	14.70	12.43
337.5	27.84	24.50	21.81	19.12	16.85	15.06	13.62	11.53	10.10
360.0	22.23	19.78	17.39	15.18	13.27	11.47	9.92	9.14	8.72
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	8.37	8.19	8.01	7.89	7.77	7.65	7.59	7.53	7.47
22.5	7.65	7.53	7.41	7.35	7.41	7.47	7.53	7.41	7.29
45.0	7.89	7.29	6.99	6.87	6.81	6.69	6.69	6.63	6.63
67.5	7.71	7.11	6.81	6.75	6.69	6.69	6.69	6.75	6.81
90.0	6.63	6.57	6.51	6.51	6.57	6.63	6.75	6.81	6.87
112.5	7.23	6.87	6.75	6.75	6.69	6.75	6.75	6.87	6.93
135.0	8.01	7.35	6.93	6.75	6.69	6.69	6.63	6.63	6.57
157.5	8.07	7.65	7.41	7.23	7.11	6.99	6.93	6.87	6.87
180.0	7.53	7.47	7.35	7.29	7.29	7.29	7.29	7.23	7.23
202.5	8.13	7.95	7.83	7.77	7.77	7.77	7.83	7.83	7.83
225.0	9.98	8.84	8.07	7.59	7.29	7.17	7.05	6.99	6.87
247.5	8.48	7.47	6.99	6.81	6.75	6.69	6.63	6.69	6.69
270.0	6.99	6.75	6.63	6.63	6.57	6.63	6.63	6.69	6.63
292.5	7.47	7.11	6.87	6.87	6.81	6.81	6.81	6.81	6.81
315.0	10.70	9.14	8.07	7.53	7.23	7.17	6.99	6.93	6.93
337.5	9.32	8.84	8.60	8.43	8.19	8.07	7.89	7.71	7.59
360.0	8.37	8.19	8.01	7.89	7.77	7.65	7.59	7.53	7.47
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	7.41	7.41	7.35	7.35	7.35	7.29	7.23	7.23	7.23
22.5	7.11	7.11	6.99	6.93	6.87	6.87	6.81	6.81	6.81
45.0	6.57	6.51	6.51	6.57	6.57	6.57	6.57	6.51	6.39
67.5	6.87	6.87	6.93	6.87	6.81	6.75	6.63	6.51	6.45
90.0	6.87	6.81	6.81	6.69	6.57	6.51	6.39	6.33	6.27
112.5	6.93	6.93	6.93	6.87	6.75	6.63	6.51	6.45	6.39
135.0	6.63	6.63	6.69	6.69	6.69	6.63	6.57	6.51	6.39
157.5	6.81	6.81	6.75	6.75	6.69	6.69	6.69	6.69	6.63
180.0	7.23	7.23	7.29	7.29	7.29	7.29	7.29	7.29	7.23
202.5	7.77	7.77	7.65	7.59	7.53	7.41	7.29	7.23	7.05
225.0	6.81	6.75	6.75	6.69	6.63	6.63	6.51	6.45	6.39
247.5	6.69	6.63	6.57	6.51	6.45	6.45	6.39	6.39	6.33
270.0	6.63	6.57	6.51	6.45	6.39	6.33	6.27	6.27	6.21
292.5	6.81	6.75	6.69	6.57	6.51	6.45	6.39	6.33	6.33
315.0	6.87	6.87	6.81	6.81	6.69	6.69	6.57	6.51	6.45
337.5	7.47	7.29	7.23	7.11	6.93	6.87	6.81	6.81	6.75
360.0	7.41	7.41	7.35	7.35	7.35	7.29	7.23	7.23	7.23

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	7.23	7.23	7.17	7.23	7.17	6.87	6.57	6.15	5.98
22.5	6.75	6.69	6.63	6.51	6.39	6.21	6.04	5.92	5.86
45.0	6.33	6.27	6.27	6.27	6.21	6.21	6.09	6.09	6.04
67.5	6.39	6.33	6.33	6.33	6.27	6.21	6.15	6.15	6.09
90.0	6.27	6.27	6.33	6.27	6.21	6.21	6.15	6.15	6.09
112.5	6.33	6.33	6.33	6.33	6.27	6.21	6.21	6.15	6.09
135.0	6.39	6.33	6.33	6.33	6.27	6.21	6.15	6.09	6.09
157.5	6.57	6.51	6.39	6.33	6.21	6.15	6.09	6.04	5.98
180.0	7.23	7.17	7.05	6.75	6.39	6.04	5.86	5.74	5.68
202.5	6.99	6.87	6.81	6.69	6.51	6.33	6.09	5.98	5.86
225.0	6.33	6.33	6.27	6.27	6.27	6.21	6.15	6.09	6.09
247.5	6.33	6.27	6.27	6.21	6.21	6.21	6.15	6.09	6.04
270.0	6.15	6.15	6.15	6.15	6.15	6.15	6.09	6.04	6.04
292.5	6.27	6.27	6.21	6.21	6.21	6.21	6.15	6.15	6.09
315.0	6.45	6.45	6.39	6.39	6.39	6.33	6.27	6.21	6.21
337.5	6.69	6.51	6.51	6.45	6.39	6.33	6.21	6.15	6.09
360.0	7.23	7.23	7.17	7.23	7.17	6.87	6.57	6.15	5.98
C/γ(°)	90.0								
0.0	5.86								
22.5	5.86								
45.0	6.04								
67.5	6.09								
90.0	6.15								
112.5	6.09								
135.0	6.09								
157.5	5.92								
180.0	5.68								
202.5	5.80								
225.0	6.04								
247.5	6.09								
270.0	6.04								
292.5	6.04								
315.0	6.15								
337.5	6.09								
360.0	5.86								