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Nata

LumCAT: 6-0845-M5
Luminaire: LM07126060EM
Report No: 220627-B006
Test No: 220627-C006
LampCAT: LUMILEDS 5050
Lamp flux(lm): 2222.2
Number of Lamps: 1
Length(mm): 43
Phm Type: C

Voltage(V): 40.3900
Current(A): 0.3500
Power (W): 14.1360
PF: 0.0000
Ballast type: DC
Width(mm): 43
Height(mm): 0

Photometric Results

Lumens(lm): 1857.07
Efficiency(%): 83.57%
Lumens(lm)/Power(W): 131.37
Central intensity(cd): 2036.379
Maximum intensity(cd): 2085.376
Angle of maximum intensity: C=270.0 γ=1.0
Beam Angle(50%Imax): [C0/180]Total=56.2
[C90/270]Total=57.8
Field angle(10%Imax): [C0/180]Total=80.5
[C90/270]Total=84.2
Maximum s/h(1/2): C0_180=0.88 C90_270=0.94
Maximum s/h(1/4): C0_180=0.83 C90_270=0.88
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 83.57%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 98.539%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	2060.205	0.000	0	.000%	.000%
1.0	2059.570	1.971	1.971	.089%	.106%
2.0	2058.562	5.911	7.882	.266%	.424%
3.0	2056.620	9.842	17.724	.443%	.954%
4.0	2055.014	13.763	31.487	.619%	1.696%
5.0	2052.774	17.671	49.159	.795%	2.647%
6.0	2050.757	21.565	70.724	.970%	3.808%
7.0	2047.657	25.439	96.163	1.145%	5.178%
8.0	2043.213	29.278	125.44	1.318%	6.755%
9.0	2035.968	33.060	158.5	1.488%	8.535%
10.0	2024.951	36.750	195.249	1.654%	10.514%
11.0	2011.245	40.330	235.579	1.815%	12.686%
12.0	1994.365	43.787	279.366	1.970%	15.043%
13.0	1971.472	47.064	326.431	2.118%	17.578%
14.0	1945.592	50.138	376.569	2.256%	20.278%
15.0	1916.500	53.021	429.59	2.386%	23.133%
16.0	1881.581	55.653	485.242	2.504%	26.129%
17.0	1839.381	57.945	543.187	2.608%	29.250%
18.0	1795.089	59.925	603.112	2.697%	32.477%
19.0	1747.025	61.626	664.737	2.773%	35.795%
20.0	1690.372	62.914	727.651	2.831%	39.183%
21.0	1629.163	63.742	791.393	2.868%	42.615%
22.0	1565.078	64.190	855.583	2.889%	46.072%
23.0	1495.578	64.221	919.804	2.890%	49.530%
24.0	1416.816	63.675	983.479	2.865%	52.959%
25.0	1334.010	62.548	1046.027	2.815%	56.327%
26.0	1250.919	61.018	1107.044	2.746%	59.612%
27.0	1169.667	59.220	1166.264	2.665%	62.801%
28.0	1085.019	57.084	1223.348	2.569%	65.875%
29.0	999.886	54.547	1277.895	2.455%	68.813%
30.0	919.283	51.817	1329.713	2.332%	71.603%
31.0	835.842	48.843	1378.555	2.198%	74.233%
32.0	755.699	45.596	1424.151	2.052%	76.688%
33.0	683.681	42.405	1466.556	1.908%	78.972%
34.0	614.667	39.292	1505.847	1.768%	81.087%
35.0	545.316	36.025	1541.872	1.621%	83.027%
36.0	487.666	32.890	1574.763	1.480%	84.798%
37.0	435.274	30.101	1604.864	1.355%	86.419%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	384.566	27.365	1632.229	1.231%	87.893%
39.0	335.931	24.593	1656.821	1.107%	89.217%
40.0	299.549	22.163	1678.985	.997%	90.411%
41.0	256.023	19.784	1698.768	.890%	91.476%
42.0	223.039	17.405	1716.173	.783%	92.413%
43.0	187.594	15.211	1731.385	.685%	93.232%
44.0	161.811	13.188	1744.572	.593%	93.942%
45.0	139.613	11.584	1756.156	.521%	94.566%
46.0	120.544	10.174	1766.33	.458%	95.114%
47.0	104.807	8.963	1775.293	.403%	95.597%
48.0	91.874	7.951	1783.244	.358%	96.025%
49.0	80.465	7.077	1790.321	.318%	96.406%
50.0	69.407	6.249	1796.57	.281%	96.742%
51.0	60.608	5.501	1802.07	.248%	97.038%
52.0	52.792	4.866	1806.937	.219%	97.301%
53.0	45.924	4.294	1811.231	.193%	97.532%
54.0	39.870	3.781	1815.012	.170%	97.735%
55.0	34.881	3.337	1818.349	.150%	97.915%
56.0	30.575	2.958	1821.307	.133%	98.074%
57.0	26.598	2.614	1823.921	.118%	98.215%
58.0	23.031	2.295	1826.216	.103%	98.339%
59.0	19.920	2.008	1828.224	.090%	98.447%
60.0	16.484	1.720	1829.943	.077%	98.539%
61.0	13.164	1.415	1831.358	.064%	98.616%
62.0	11.473	1.187	1832.546	.053%	98.680%
63.0	10.558	1.071	1833.617	.048%	98.737%
64.0	9.900	1.004	1834.621	.045%	98.791%
65.0	9.538	0.962	1835.583	.043%	98.843%
66.0	9.277	0.939	1836.522	.042%	98.894%
67.0	9.101	0.924	1837.446	.042%	98.943%
68.0	8.959	0.915	1838.361	.041%	98.993%
69.0	8.873	0.910	1839.27	.041%	99.042%
70.0	8.784	0.907	1840.177	.041%	99.090%
71.0	8.705	0.904	1841.081	.041%	99.139%
72.0	8.631	0.901	1841.982	.041%	99.188%
73.0	8.571	0.900	1842.882	.040%	99.236%
74.0	8.507	0.898	1843.78	.040%	99.284%
75.0	8.444	0.896	1844.675	.040%	99.333%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	8.380	0.893	1845.568	.040%	99.381%
77.0	8.317	0.890	1846.459	.040%	99.429%
78.0	8.216	0.885	1847.344	.040%	99.476%
79.0	8.063	0.875	1848.218	.039%	99.523%
80.0	7.872	0.859	1849.077	.039%	99.570%
81.0	7.671	0.841	1849.918	.038%	99.615%
82.0	7.495	0.822	1850.74	.037%	99.659%
83.0	7.376	0.808	1851.549	.036%	99.703%
84.0	7.297	0.799	1852.348	.036%	99.746%
85.0	7.223	0.792	1853.141	.036%	99.789%
86.0	7.185	0.788	1853.928	.035%	99.831%
87.0	7.167	0.785	1854.714	.035%	99.873%
88.0	7.152	0.784	1855.498	.035%	99.915%
89.0	7.155	0.784	1856.282	.035%	99.958%
90.0	7.174	0.786	1857.068	.035%	100.000%

Zonal flux distribution table

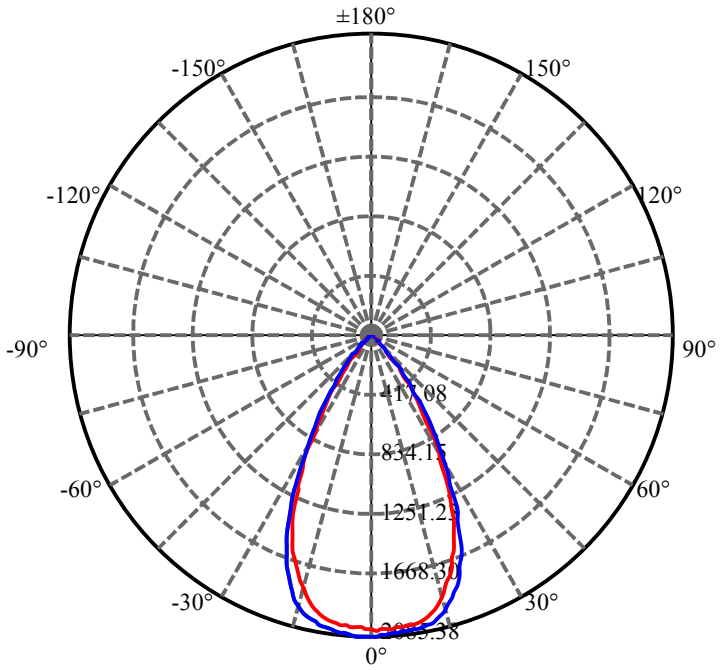
ZONAL LUMEN SUMMARY

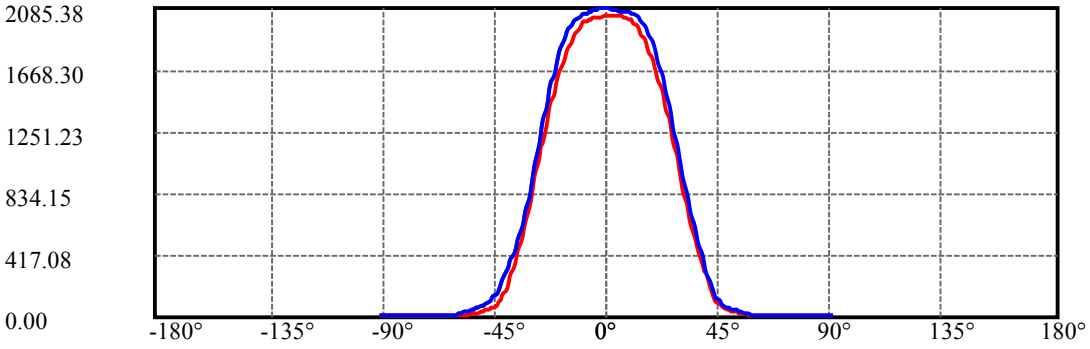
Zone	Lumens	%Lamp	%Fixt
0-30	1329.71	59.84%	71.60%
0-40	1678.98	75.56%	90.41%
0-60	1829.94	82.35%	98.54%
0-90	1856.28	83.53%	99.96%
0-120	1856.28	83.53%	99.96%
0-180	1857.07	83.57%	100.00%
60-90	28.06	1.26%	1.51%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-33.49	1485.65	66.86%	80.00%

ZONAL LUMEN SUMMARY

0-10	195.25
10-20	532.40
20-30	602.06
30-40	349.27
40-50	117.59
50-60	33.37
60-70	10.23
70-80	8.90
80-90	7.20
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

Light Distribution Curve [Unit:cd]





C270(Max):

C0/C180:

C90/C270:

Field angle(10%Imax):C0/180Left:41.5 Right:39.0
:C90/270Left:41.3 Right:42.9

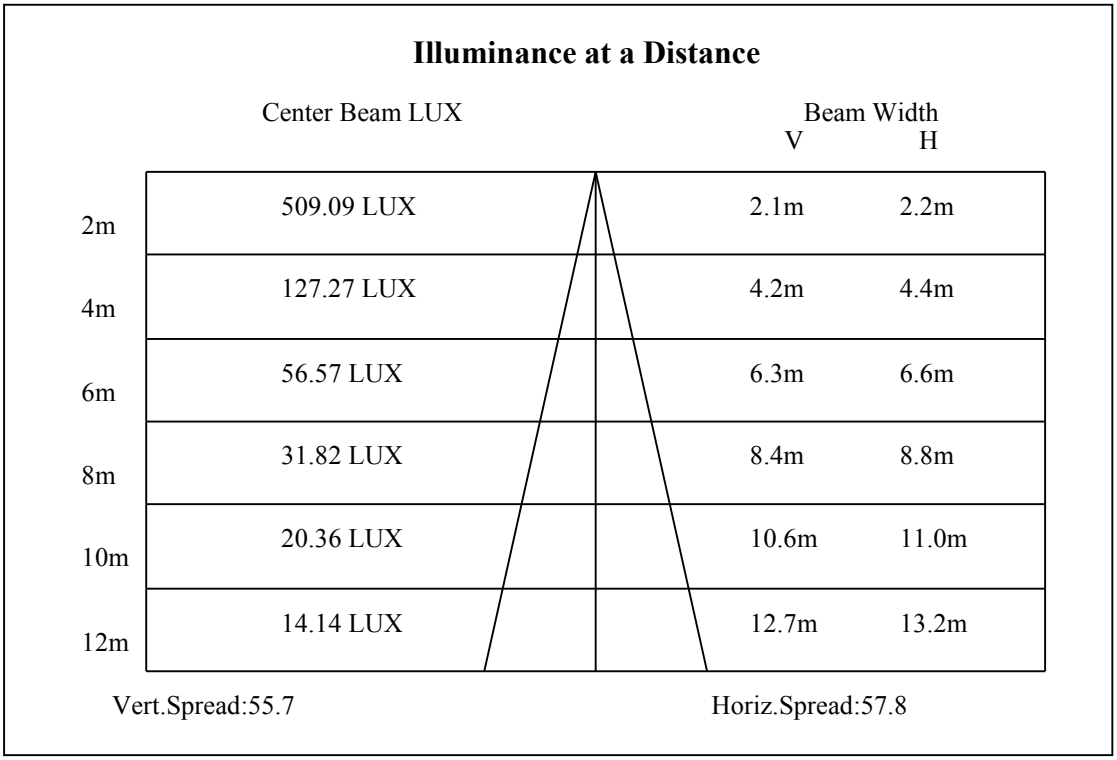
Beam Angle(50%Imax):C0/180Left:29.5 Right:26.7
:C90/270Left:27.1 Right:30.6

Equipment: GMS1980
Temperature(°C): 25.0

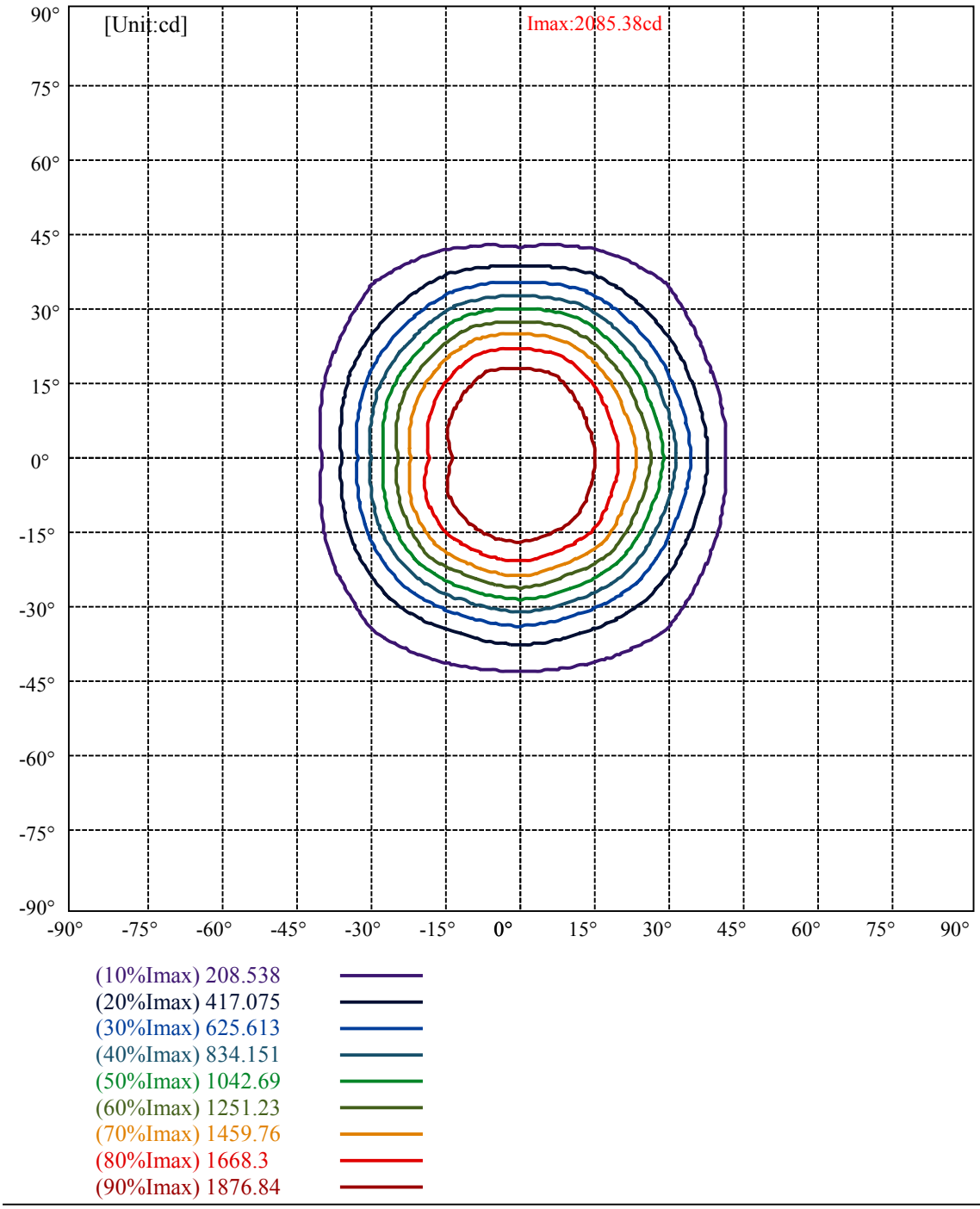
Date: 2022/6/27
Humidity(%): 65.0%

Operator: NT07
Distance(m): 7.73

Lux distance Curve



ISO-Intensity(V-H)

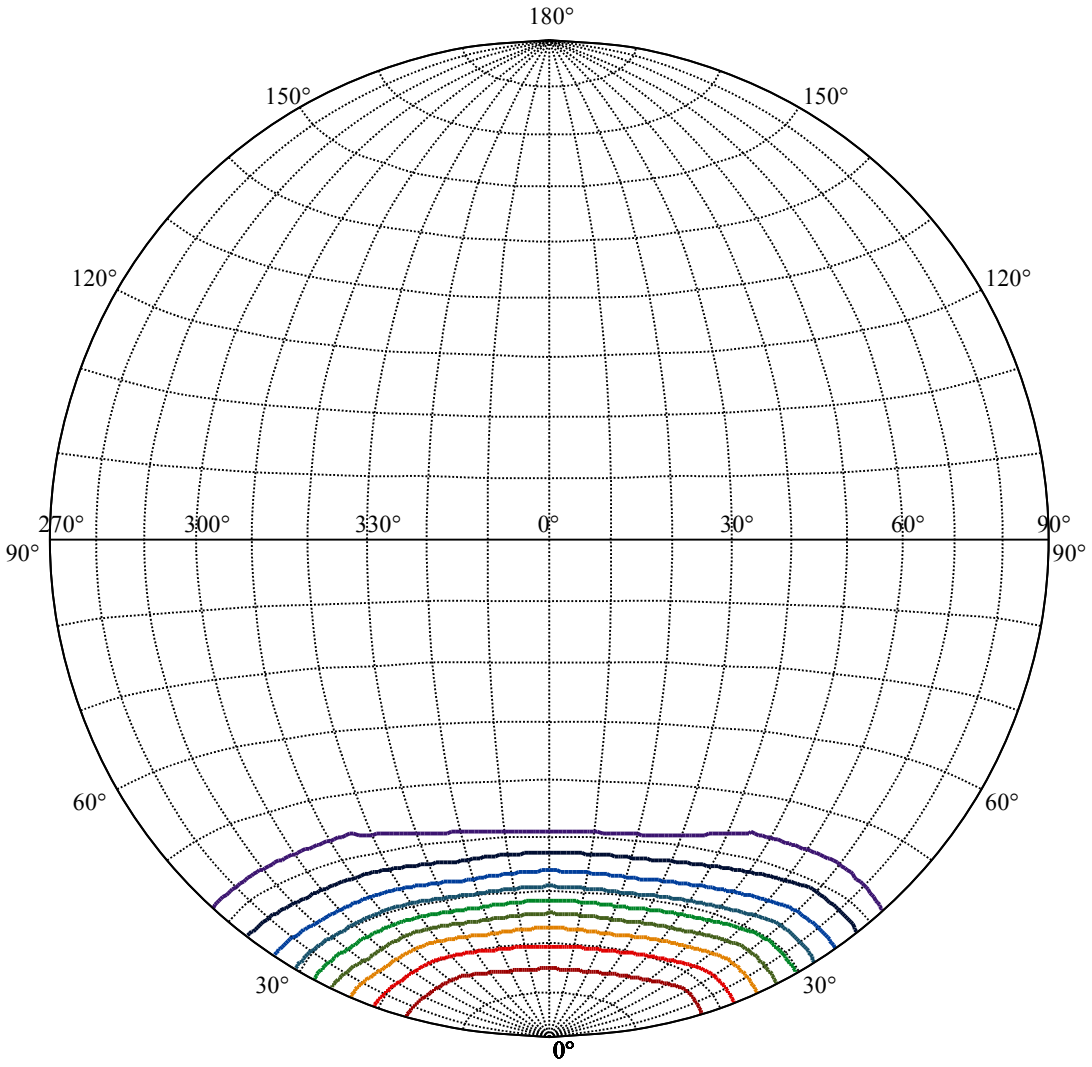


Equipment: GMS1980
Temperature(°C): 25.0

Date: 2022/6/27
Humidity(%): 65.0%

Operator: NT07
Distance(m): 7.73

ISO candela diagram on circular web



House [Unit:cd] Road

Imax:2085.38

(10%Imax) 208.538
(20%Imax) 417.075
(30%Imax) 625.613
(40%Imax) 834.151
(50%Imax) 1042.69
(60%Imax) 1251.23
(70%Imax) 1459.76
(80%Imax) 1668.3
(90%Imax) 1876.84

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2022/6/27
Humidity(%): 65.0%

Operator: NT07
Distance(m): 7.73

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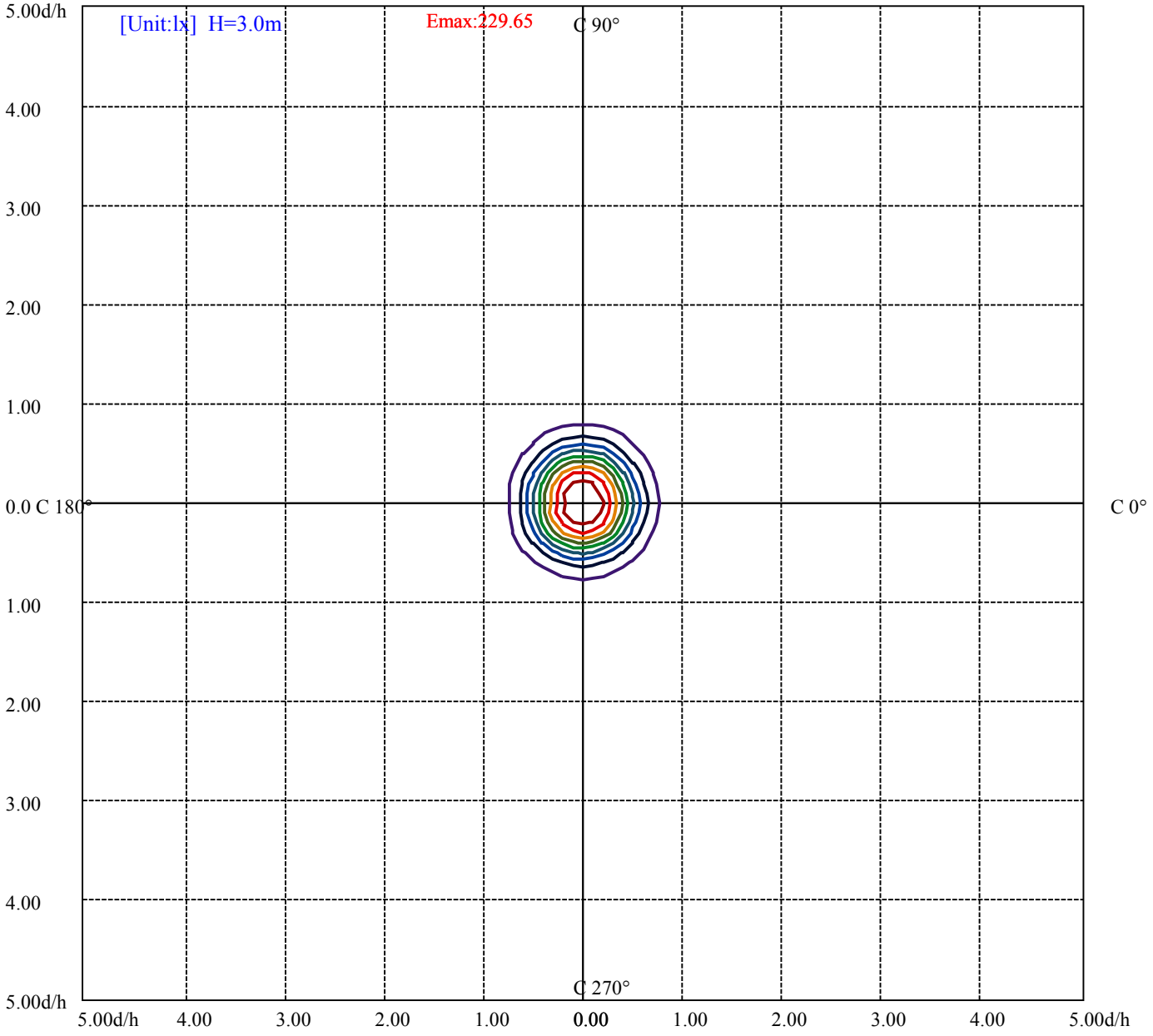
ISO illuminance diagram

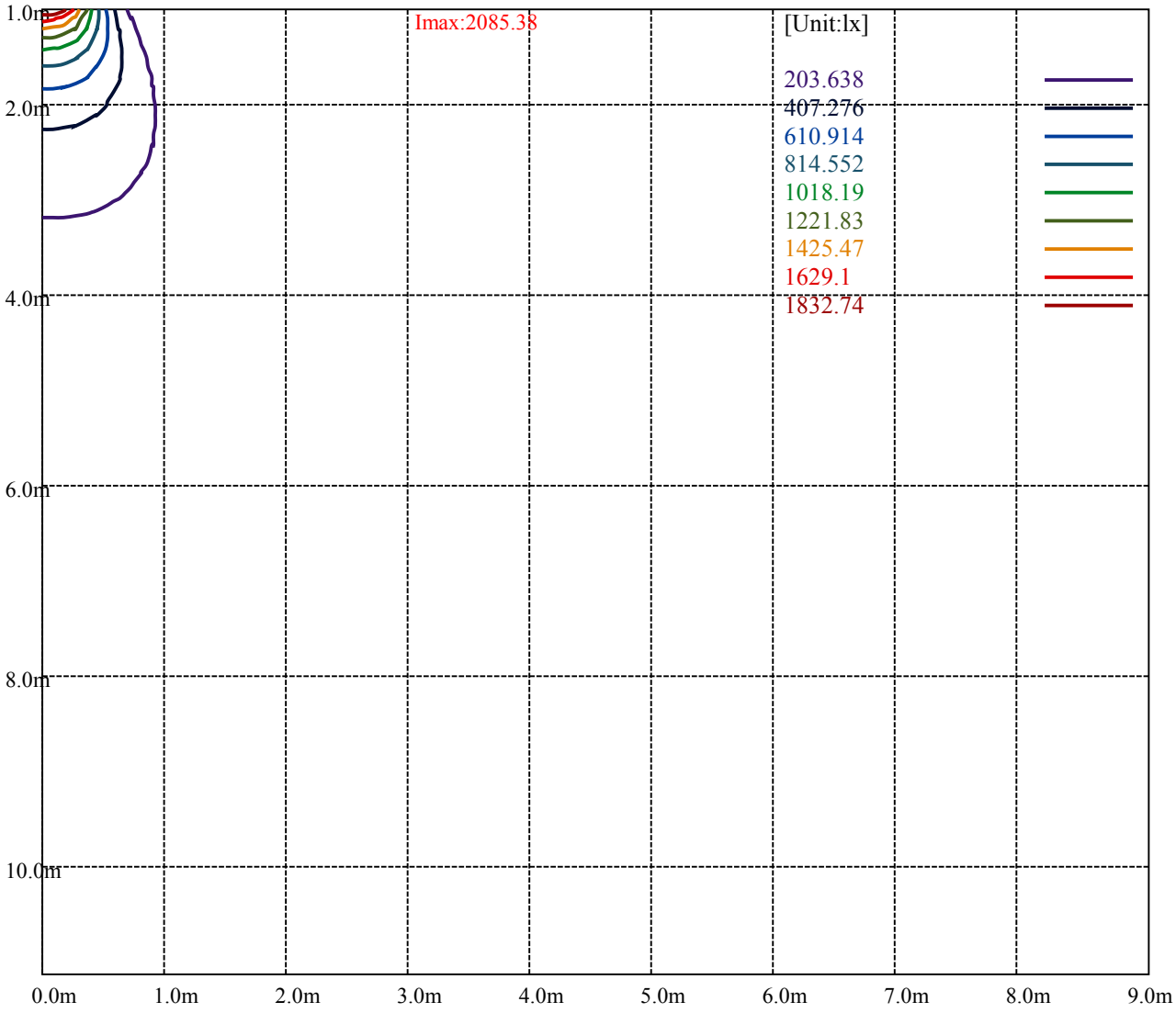


Equipment: GMS1980
Temperature(°C): 25.0

Date: 2022/6/27
Humidity(%): 65.0%

Operator: NT07
Distance(m): 7.73

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 25.0

Date: 2022/6/27
Humidity(%): 65.0%

Operator: NT07
Distance(m): 7.73

Luminance Limitting Curve(no luminous side)

Luminance Table

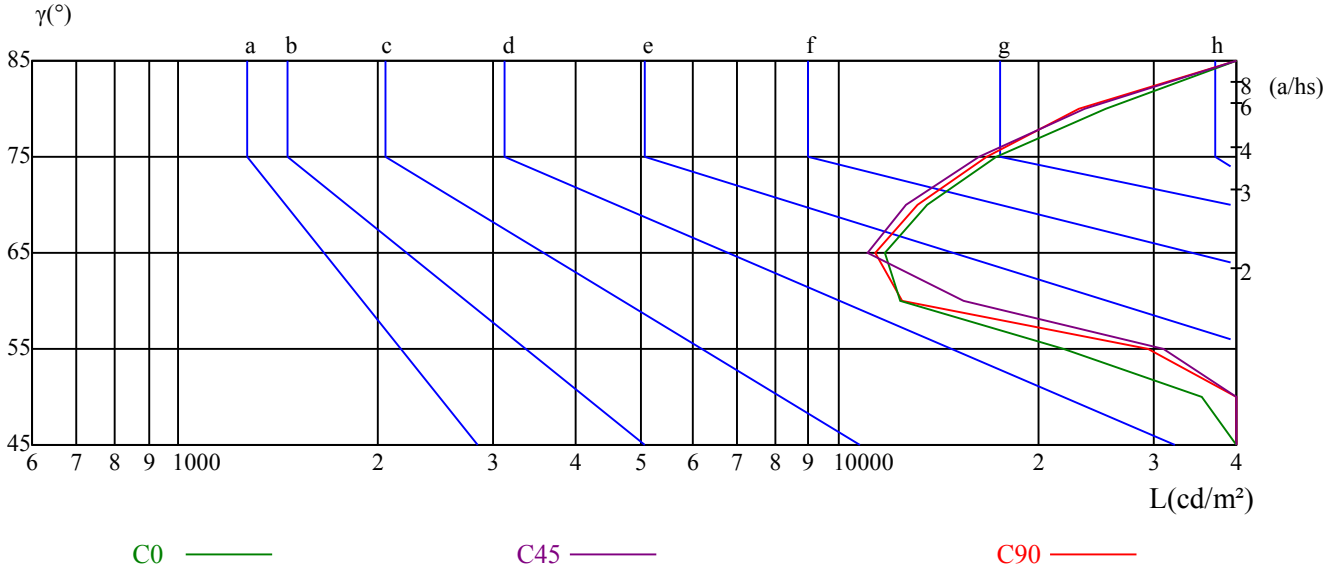
γ	45	50	55	60	65	70	75	80	85
C0	69650	35394	21917	12409	11776	13606	17356	25310	45978
C45	145836	72849	31101	15447	11088	12661	16357	23635	44495
C90	84503	46655	29467	12474	11317	13134	16731	23077	44124

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
13229	11470	11795	20040	17106	16606	45607	44309	44587

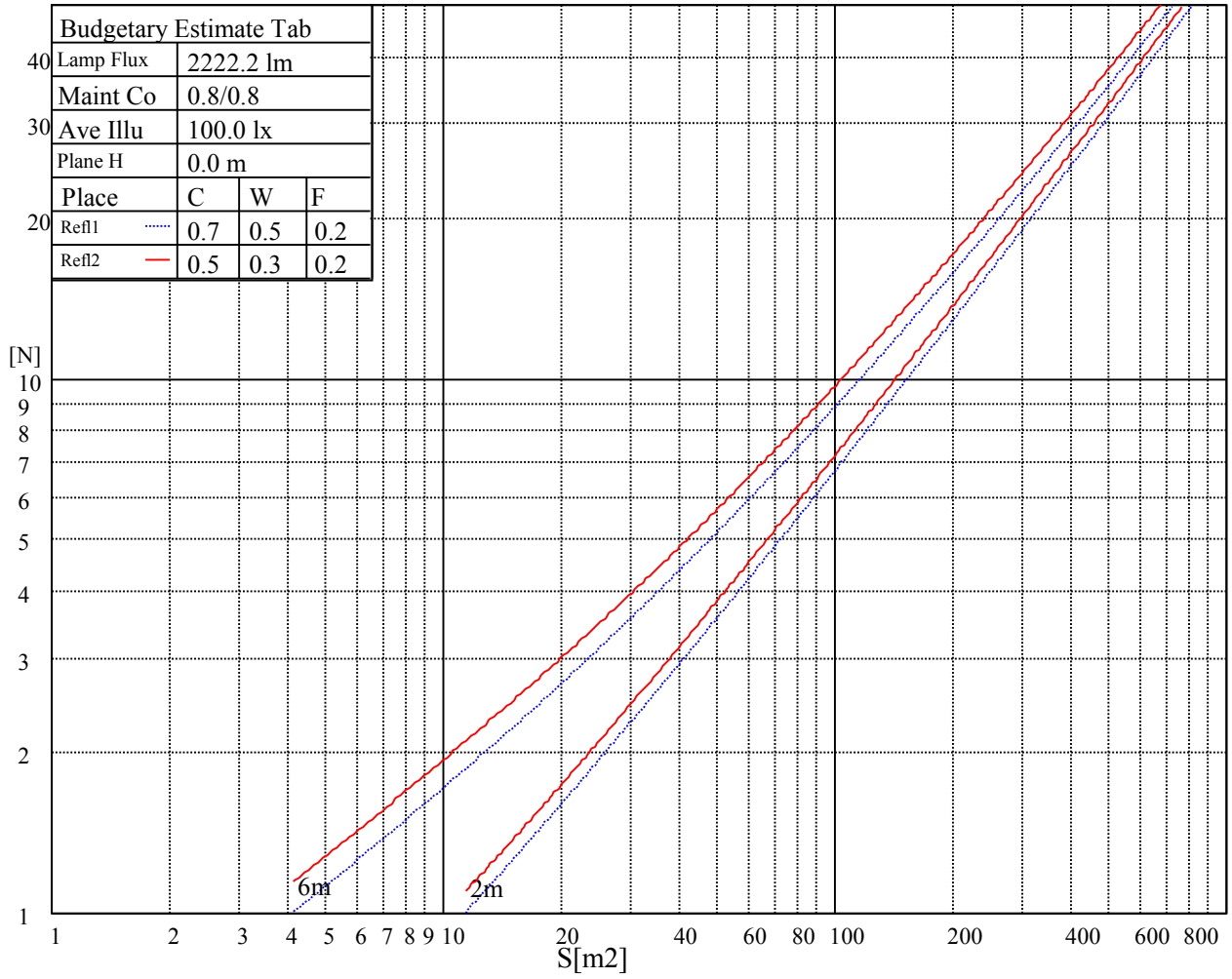
Glare Table

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 Limitting Curve



Budgetary Estimate Table

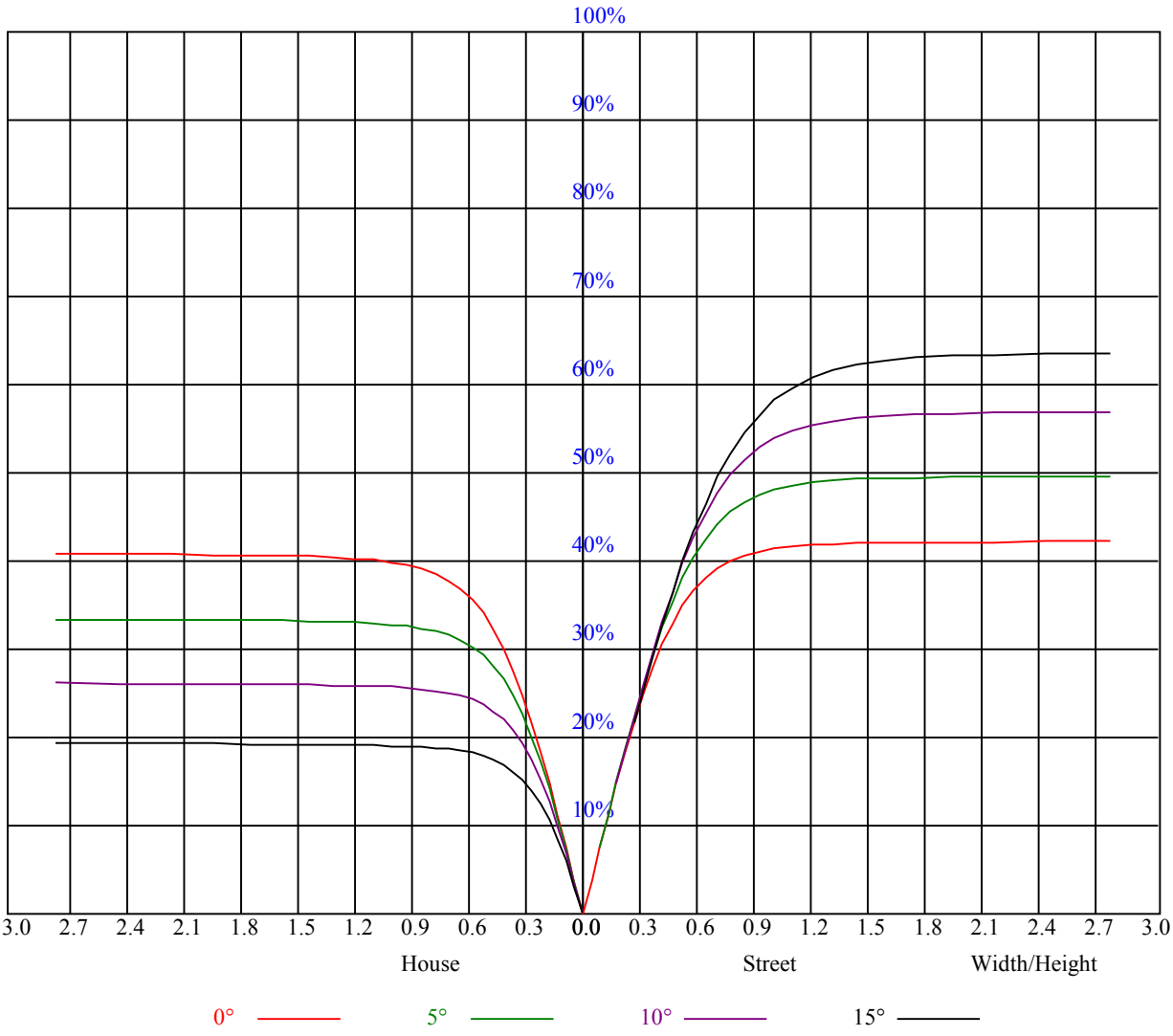


Equipment: GMS1980 Date: 2022/6/27 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 65.0% Distance(m): 7.73

Utilization factor table for indoor luminaire

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	COEFFCIENTS OF UTILIZATION RHOFC=20 CU															
0	0.99	0.99	0.99	0.97	0.97	0.97	0.93	0.93	0.93	0.89	0.89	0.89	0.85	0.85	0.85	0.84
1	0.92	0.90	0.88	0.90	0.89	0.87	0.87	0.86	0.84	0.84	0.83	0.82	0.81	0.80	0.79	0.78
2	0.86	0.82	0.79	0.84	0.81	0.78	0.82	0.79	0.77	0.79	0.77	0.75	0.77	0.75	0.74	0.72
3	0.80	0.76	0.72	0.79	0.75	0.72	0.76	0.73	0.71	0.74	0.72	0.69	0.73	0.70	0.68	0.67
4	0.75	0.70	0.66	0.74	0.69	0.66	0.72	0.68	0.65	0.70	0.67	0.64	0.69	0.66	0.64	0.62
5	0.70	0.65	0.61	0.69	0.64	0.61	0.68	0.64	0.60	0.66	0.63	0.60	0.65	0.62	0.59	0.58
6	0.66	0.61	0.57	0.65	0.60	0.57	0.64	0.59	0.56	0.62	0.59	0.56	0.61	0.58	0.56	0.54
7	0.62	0.57	0.53	0.61	0.56	0.53	0.60	0.56	0.53	0.59	0.55	0.52	0.58	0.55	0.52	0.51
8	0.58	0.53	0.50	0.58	0.53	0.50	0.57	0.52	0.49	0.56	0.52	0.49	0.55	0.52	0.49	0.48
9	0.55	0.50	0.47	0.54	0.50	0.47	0.54	0.49	0.46	0.53	0.49	0.46	0.52	0.49	0.46	0.45
10	0.52	0.47	0.44	0.52	0.47	0.44	0.51	0.47	0.44	0.50	0.46	0.44	0.50	0.46	0.43	0.42

Coefficient Utilization Curve



Equipment: GMS1980	Date: 2022/6/27	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 65.0%	Distance(m): 7.73

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	2036.38	2039.37	2039.96	2038.77	2036.38	2032.20	2029.21	2025.62	2020.84
22.5	2035.78	2033.39	2035.18	2036.38	2038.17	2042.35	2046.54	2045.94	2038.17
45.0	2066.85	2064.46	2057.29	2050.72	2047.13	2044.15	2042.95	2039.37	2033.99
67.5	2077.61	2074.62	2072.23	2071.04	2069.24	2066.85	2064.46	2059.68	2056.10
90.0	2083.58	2080.00	2076.41	2071.04	2066.26	2063.87	2060.28	2059.68	2058.49
112.5	2068.65	2068.65	2070.44	2069.84	2070.44	2069.84	2068.05	2067.45	2064.46
135.0	2060.28	2061.48	2063.27	2064.46	2063.87	2063.87	2068.65	2070.44	2068.65
157.5	2052.51	2050.12	2049.52	2047.73	2047.73	2047.13	2047.73	2047.13	2045.94
180.0	2036.38	2032.79	2026.82	2022.64	2019.05	2015.47	2013.67	2009.49	2001.12
202.5	2035.78	2038.17	2041.16	2042.95	2044.15	2041.76	2039.96	2039.37	2036.98
225.0	2066.85	2066.26	2066.26	2066.26	2062.07	2056.69	2049.52	2044.74	2037.57
247.5	2077.61	2077.61	2078.21	2074.62	2071.63	2065.06	2060.88	2053.71	2048.33
270.0	2083.58	2085.38	2085.38	2081.79	2078.21	2071.63	2064.46	2058.49	2051.32
292.5	2068.65	2068.65	2068.65	2067.45	2066.85	2063.87	2059.68	2053.11	2044.74
315.0	2060.28	2060.88	2053.71	2044.74	2038.77	2038.77	2036.98	2033.39	2034.59
337.5	2052.51	2051.32	2052.51	2055.50	2060.28	2060.88	2059.08	2054.90	2050.12
360.0	2036.38	2039.37	2039.96	2038.77	2036.38	2032.20	2029.21	2025.62	2020.84

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	2013.08	2005.90	1987.98	1971.25	1947.35	1909.70	1874.45	1841.58	1786.61
22.5	2019.05	1998.14	1977.82	1953.92	1925.84	1901.34	1873.25	1832.02	1793.18
45.0	2025.62	2011.28	1993.95	1976.03	1953.92	1929.42	1904.32	1873.85	1829.63
67.5	2051.32	2043.55	2035.18	2023.83	2007.10	1989.17	1971.85	1939.58	1909.70
90.0	2056.69	2050.12	2042.95	2033.39	2014.87	1996.34	1974.24	1941.37	1906.12
112.5	2061.48	2057.89	2051.32	2042.95	2028.01	2011.28	1990.37	1962.88	1928.23
135.0	2063.87	2053.71	2040.56	2022.64	1996.94	1971.85	1940.77	1906.12	1864.89
157.5	2041.76	2032.20	2017.86	1995.75	1966.47	1937.79	1898.95	1860.11	1814.10
180.0	1988.58	1971.25	1947.94	1923.45	1895.96	1852.94	1814.10	1772.87	1720.88
202.5	2032.20	2022.04	2010.09	1992.76	1970.65	1941.97	1910.90	1872.06	1833.82
225.0	2030.40	2020.84	2006.50	1989.77	1966.47	1942.57	1916.87	1889.39	1849.35
247.5	2042.35	2035.78	2027.42	2011.88	1993.95	1970.65	1939.58	1906.12	1866.08
270.0	2042.95	2032.79	2022.64	2008.29	1990.37	1968.26	1938.38	1904.92	1866.08
292.5	2035.18	2023.83	2010.69	1995.75	1976.03	1947.94	1917.47	1882.22	1830.83
315.0	2031.60	2020.84	2008.89	1995.15	1973.04	1949.74	1922.25	1884.01	1839.19
337.5	2039.37	2019.05	1998.14	1973.04	1936.59	1908.51	1876.24	1836.21	1791.39
360.0	2013.08	2005.90	1987.98	1971.25	1947.35	1909.70	1874.45	1841.58	1786.61

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1742.99	1699.37	1640.81	1591.22	1538.04	1470.52	1397.62	1328.90	1247.64
22.5	1747.17	1691.60	1631.25	1573.89	1503.98	1431.68	1361.17	1277.52	1204.62
45.0	1788.40	1744.19	1689.21	1627.67	1567.32	1495.62	1417.94	1346.23	1246.45
67.5	1874.45	1830.23	1777.65	1723.87	1655.16	1591.82	1517.13	1437.06	1364.76
90.0	1867.28	1821.27	1771.67	1714.31	1649.18	1587.04	1509.96	1426.90	1351.61
112.5	1892.37	1851.14	1795.57	1743.59	1686.82	1612.13	1544.61	1475.30	1391.05
135.0	1820.67	1777.65	1729.85	1664.72	1606.16	1542.22	1456.78	1381.49	1305.00
157.5	1759.13	1706.54	1649.78	1592.41	1537.44	1476.49	1395.83	1325.92	1260.79
180.0	1675.47	1629.46	1576.28	1505.77	1444.83	1382.08	1296.04	1183.53	1147.38
202.5	1789.60	1739.41	1689.21	1625.88	1554.17	1486.65	1414.95	1324.72	1184.90
225.0	1811.71	1768.09	1706.54	1652.17	1594.80	1525.49	1448.41	1374.32	1295.44
247.5	1810.51	1760.32	1704.15	1626.47	1558.36	1484.86	1394.63	1303.21	1183.94
270.0	1810.51	1762.11	1702.96	1637.23	1573.89	1503.98	1408.38	1327.71	1243.46
292.5	1786.01	1734.63	1659.94	1594.80	1524.30	1428.69	1359.38	1248.24	1175.64
315.0	1796.17	1741.80	1680.25	1620.50	1547.60	1479.48	1397.62	1309.78	1229.12
337.5	1748.97	1694.59	1640.81	1572.10	1499.20	1430.48	1348.62	1273.33	1182.93
360.0	1742.99	1699.37	1640.81	1591.22	1538.04	1470.52	1397.62	1328.90	1247.64

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	1171.16	1082.72	996.68	920.79	838.93	758.26	688.95	623.22	547.93
22.5	1116.18	1034.92	956.05	887.33	788.14	718.23	654.29	576.62	518.06
45.0	1183.82	1097.90	1010.24	932.68	857.10	755.64	695.05	629.92	547.99
67.5	1283.49	1201.03	1117.38	1040.30	947.68	877.17	801.88	724.80	646.53
90.0	1254.21	1169.84	1090.37	1012.81	937.10	842.64	771.05	701.68	619.64
112.5	1306.80	1230.91	1137.10	1055.24	968.00	890.32	808.46	730.18	650.11
135.0	1182.87	1122.88	1041.85	964.41	880.04	796.03	724.44	648.26	578.41
157.5	1178.92	1095.27	1012.21	921.39	835.94	772.01	682.38	616.05	544.95
180.0	1063.36	976.54	897.73	809.23	734.48	654.06	579.36	518.12	455.32
202.5	1164.94	1075.19	987.06	909.08	821.78	737.17	664.93	588.69	525.71
225.0	1201.63	1105.43	1011.62	930.95	841.92	757.07	685.96	617.84	541.96
247.5	1110.63	1037.73	947.26	858.65	782.58	702.51	635.65	566.28	509.75
270.0	1148.45	1054.04	972.18	884.34	799.49	728.39	653.10	592.75	528.81
292.5	1095.75	1014.72	926.23	840.42	766.75	688.65	616.05	556.66	502.46
315.0	1147.85	1045.08	966.20	889.12	795.91	723.01	654.29	583.79	519.25
337.5	1104.59	1016.10	928.02	851.78	777.62	690.03	623.04	559.82	488.18
360.0	1171.16	1082.72	996.68	920.79	838.93	758.26	688.95	623.22	547.93

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	490.57	436.79	367.48	309.52	302.95	204.59	164.02	134.44	108.63
22.5	470.26	411.10	359.11	317.89	276.24	214.69	173.34	139.22	115.38
45.0	500.31	450.18	400.52	356.19	320.99	286.46	259.51	233.45	209.97
67.5	585.58	528.81	464.28	415.28	363.30	319.68	304.14	237.34	193.54
90.0	555.22	492.42	425.44	359.59	302.41	245.17	202.20	162.47	131.34
112.5	588.57	530.61	463.68	414.09	366.88	317.29	305.93	227.72	192.70
135.0	520.75	462.01	415.04	368.20	326.07	293.63	265.78	236.02	215.17
157.5	482.21	430.82	382.42	326.85	304.14	237.40	191.51	160.26	133.73
180.0	393.89	338.50	284.84	224.91	183.80	150.34	120.88	98.35	82.88
202.5	462.55	407.69	364.67	318.90	274.92	237.28	202.38	163.96	138.39
225.0	486.39	436.79	391.38	342.98	310.72	303.54	249.77	228.44	209.43
247.5	447.43	404.17	365.81	326.91	293.39	265.48	235.37	206.27	181.71
270.0	471.45	426.04	384.21	334.02	305.34	257.83	219.77	185.77	159.90
292.5	442.41	400.70	363.54	321.71	291.77	263.45	232.32	201.73	176.33
315.0	467.27	415.28	374.65	334.02	302.35	270.68	245.05	222.10	203.82
337.5	437.81	392.46	345.97	303.84	267.51	228.85	196.65	163.96	136.06
360.0	490.57	436.79	367.48	309.52	302.95	204.59	164.02	134.44	108.63

C/γ(°)	45.0	46.0	47.0	48.0	49.0	50.0	51.0	52.0	53.0
0.0	91.06	75.71	63.88	55.69	48.94	42.07	37.52	33.52	29.16
22.5	94.53	78.28	66.92	58.08	49.24	43.62	38.84	34.18	30.12
45.0	190.67	168.56	146.39	127.21	108.51	86.58	71.76	59.57	49.42
67.5	160.20	138.81	112.10	96.26	82.40	68.78	60.47	53.36	46.19
90.0	110.48	92.62	79.35	70.15	62.80	55.45	50.25	45.53	39.62
112.5	155.54	131.10	110.78	92.80	79.35	67.76	60.11	53.48	47.26
135.0	196.11	173.58	156.07	138.15	118.07	98.17	81.62	65.79	54.32
157.5	109.65	90.88	77.44	65.67	57.54	49.71	43.50	38.66	34.12
180.0	69.67	59.63	52.58	46.13	41.29	36.39	32.09	28.62	25.39
202.5	117.06	95.37	81.56	70.57	59.81	52.64	46.67	40.51	36.75
225.0	190.43	173.76	159.78	144.24	130.32	114.25	97.28	82.70	69.31
247.5	156.37	136.54	117.06	101.22	89.87	80.01	70.69	63.16	57.72
270.0	138.21	116.88	103.43	92.50	82.52	74.45	68.48	62.62	56.88
292.5	150.88	131.10	112.34	97.46	86.70	76.24	67.76	61.61	56.47
315.0	187.86	170.18	157.03	144.48	129.54	113.11	97.70	81.32	66.86
337.5	115.08	95.72	80.19	69.37	60.53	51.27	44.99	40.03	35.19
360.0	91.06	75.71	63.88	55.69	48.94	42.07	37.52	33.52	29.16

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	26.11	23.24	20.32	17.75	15.42	13.09	11.47	10.76	10.16
22.5	26.89	23.66	20.67	18.28	15.48	12.91	11.29	10.46	9.98
45.0	39.26	32.98	27.25	22.77	19.60	16.61	14.28	12.25	10.70
67.5	41.41	37.29	32.57	29.16	26.05	23.06	18.58	13.44	10.99
90.0	35.19	31.25	27.37	23.36	18.22	13.68	11.53	10.10	9.50
112.5	41.95	37.82	33.46	29.58	26.47	23.54	17.03	12.85	10.99
135.0	44.10	36.39	30.95	25.99	21.87	18.76	16.25	13.62	11.95
157.5	30.12	26.83	23.90	20.73	18.52	15.24	12.85	11.95	11.41
180.0	21.87	19.36	16.97	14.34	12.97	12.25	11.83	11.59	11.53
202.5	32.51	28.02	25.39	22.53	18.94	16.49	13.80	11.95	11.35
225.0	57.78	48.94	41.53	34.54	28.74	24.44	20.02	17.09	14.70
247.5	51.75	47.68	44.04	40.45	36.15	33.10	30.23	19.36	12.43
270.0	51.03	43.98	38.54	33.64	29.28	24.50	14.70	11.83	10.58
292.5	50.79	46.67	42.60	38.18	34.24	31.13	26.05	14.58	11.89
315.0	56.23	46.43	39.50	33.16	27.90	23.90	20.08	16.85	14.46
337.5	30.95	27.55	24.14	21.09	18.64	16.01	13.74	11.95	10.93
360.0	26.11	23.24	20.32	17.75	15.42	13.09	11.47	10.76	10.16

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	9.80	9.44	9.20	9.02	8.90	8.72	8.66	8.60	8.48
22.5	9.68	9.44	9.38	9.20	8.90	8.72	8.48	8.25	8.19
45.0	9.74	9.02	8.66	8.37	8.25	8.13	8.07	8.01	7.95
67.5	9.92	9.32	8.96	8.78	8.66	8.48	8.43	8.37	8.31
90.0	9.20	8.96	8.84	8.72	8.66	8.60	8.48	8.31	8.25
112.5	9.80	9.26	8.96	8.72	8.66	8.54	8.48	8.43	8.37
135.0	10.64	9.38	8.78	8.48	8.31	8.19	8.13	8.07	8.07
157.5	11.17	10.88	10.70	10.40	10.22	10.04	9.98	9.98	9.92
180.0	11.41	11.41	11.47	11.53	11.59	11.65	11.71	11.65	11.53
202.5	10.99	10.76	10.64	10.64	10.52	10.40	10.22	10.10	9.98
225.0	12.37	10.64	9.62	8.96	8.60	8.37	8.25	8.19	8.13
247.5	10.64	9.74	9.20	8.84	8.66	8.54	8.48	8.43	8.37
270.0	9.92	9.32	9.08	8.90	8.78	8.66	8.66	8.54	8.48
292.5	10.58	9.92	9.44	9.20	8.96	8.84	8.78	8.72	8.72
315.0	12.49	10.76	9.80	9.08	8.60	8.37	8.25	8.19	8.07
337.5	10.58	10.16	9.86	9.56	9.32	9.08	8.90	8.72	8.48
360.0	9.80	9.44	9.20	9.02	8.90	8.72	8.66	8.60	8.48

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	8.43	8.37	8.31	8.31	8.25	8.25	8.19	8.19	8.13
22.5	8.19	8.13	8.13	8.13	8.07	8.07	8.01	8.01	7.77
45.0	7.95	7.95	7.89	7.83	7.83	7.77	7.71	7.65	7.59
67.5	8.25	8.19	8.13	8.01	7.95	7.89	7.77	7.71	7.65
90.0	8.19	8.13	8.07	8.01	7.95	7.89	7.83	7.65	7.41
112.5	8.31	8.25	8.19	8.07	8.01	7.95	7.83	7.77	7.65
135.0	8.01	8.01	7.95	7.95	7.89	7.83	7.77	7.71	7.59
157.5	9.92	9.92	9.86	9.80	9.74	9.62	9.44	9.14	8.48
180.0	11.35	11.23	11.05	10.88	10.64	10.52	10.04	8.90	8.54
202.5	9.80	9.56	9.38	9.14	8.96	8.84	8.72	8.60	8.19
225.0	8.07	8.07	8.07	8.01	8.01	7.95	7.95	7.83	7.83
247.5	8.31	8.31	8.25	8.25	8.19	8.07	8.01	7.89	7.71
270.0	8.48	8.37	8.37	8.37	8.31	8.31	8.19	8.13	7.89
292.5	8.60	8.54	8.48	8.43	8.37	8.25	8.19	8.13	7.89
315.0	8.01	8.01	8.01	8.01	8.01	8.01	7.95	7.89	7.83
337.5	8.25	8.13	8.01	7.95	7.95	7.89	7.89	7.83	7.83
360.0	8.43	8.37	8.31	8.31	8.25	8.25	8.19	8.19	8.13

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	8.01	7.59	7.47	7.41	7.41	7.35	7.29	7.23	7.23
22.5	7.53	7.47	7.41	7.35	7.29	7.23	7.23	7.23	7.23
45.0	7.47	7.29	7.23	7.17	7.17	7.17	7.17	7.11	7.17
67.5	7.47	7.29	7.23	7.17	7.11	7.11	7.17	7.17	7.11
90.0	7.23	7.23	7.17	7.17	7.11	7.11	7.11	7.11	7.11
112.5	7.41	7.23	7.17	7.17	7.11	7.11	7.11	7.11	7.11
135.0	7.41	7.23	7.17	7.17	7.11	7.11	7.11	7.11	7.11
157.5	8.19	7.89	7.65	7.47	7.29	7.23	7.17	7.23	7.17
180.0	8.31	8.25	8.07	7.77	7.29	7.23	7.23	7.23	7.23
202.5	7.89	7.71	7.59	7.47	7.41	7.29	7.23	7.17	7.23
225.0	7.71	7.59	7.41	7.29	7.23	7.23	7.11	7.17	7.17
247.5	7.53	7.35	7.23	7.17	7.17	7.17	7.17	7.11	7.11
270.0	7.59	7.35	7.23	7.23	7.17	7.11	7.11	7.11	7.11
292.5	7.59	7.35	7.23	7.17	7.17	7.11	7.11	7.05	7.11
315.0	7.77	7.65	7.41	7.23	7.23	7.17	7.17	7.11	7.11
337.5	7.65	7.47	7.35	7.35	7.29	7.23	7.17	7.17	7.17
360.0	8.01	7.59	7.47	7.41	7.41	7.35	7.29	7.23	7.23

C/γ(°)	90.0
0.0	7.23
22.5	7.23
45.0	7.17
67.5	7.17
90.0	7.17
112.5	7.11
135.0	7.11
157.5	7.23
180.0	7.23
202.5	7.23
225.0	7.17
247.5	7.17
270.0	7.17
292.5	7.11
315.0	7.11
337.5	7.17
360.0	7.23