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Nata

LumCAT: 6-0845-M2
Luminaire: LM07126060EM

Report No: 220627-B007	Voltage(V): 40.3100
Test No: 220627-C007	Current(A): 0.3500
LampCAT: LUMILEDS 5050	Power (W): 14.1080
Lamp flux(lm): 2222.2	PF: 0.0000
Number of Lamps: 1	Ballast type: DC
Length(mm): 43	Width(mm): 43
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 1944.60
Efficiency(%): 87.51%
Lumens(lm)/Power(W): 137.84
Central intensity(cd): 2099.717
Maximum intensity(cd): 2148.714
Angle of maximum intensity: C=270.0 γ=1.0
Beam Angle(50%Imax): [C0/180]Total=56.5
[C90/270]Total=58.2
Field angle(10%Imax): [C0/180]Total=80.6
[C90/270]Total=85.3
Maximum s/h(1/2): C0_180=0.88 C90_270=0.90
Maximum s/h(1/4): C0_180=0.82 C90_270=0.84
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 87.51%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 98.475%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	2123.842	0.000	0	.000%	.000%
1.0	2123.469	2.032	2.032	.091%	.105%
2.0	2121.975	6.093	8.126	.274%	.418%
3.0	2120.444	10.146	18.272	.457%	.940%
4.0	2118.987	14.191	32.463	.639%	1.669%
5.0	2117.456	18.225	50.688	.820%	2.607%
6.0	2116.112	22.249	72.936	1.001%	3.751%
7.0	2113.759	26.255	99.191	1.181%	5.101%
8.0	2110.174	30.230	129.421	1.360%	6.655%
9.0	2103.265	34.148	163.569	1.537%	8.411%
10.0	2092.920	37.974	201.543	1.709%	10.364%
11.0	2080.148	41.698	243.24	1.876%	12.508%
12.0	2062.483	45.285	288.525	2.038%	14.837%
13.0	2040.599	48.693	337.218	2.191%	17.341%
14.0	2015.204	51.914	389.132	2.336%	20.011%
15.0	1984.842	54.914	444.047	2.471%	22.835%
16.0	1950.036	57.657	501.704	2.595%	25.800%
17.0	1909.703	60.107	561.81	2.705%	28.891%
18.0	1862.685	62.198	624.009	2.799%	32.089%
19.0	1814.434	63.974	687.983	2.879%	35.379%
20.0	1758.864	65.401	753.384	2.943%	38.742%
21.0	1693.920	66.300	819.685	2.984%	42.152%
22.0	1629.536	66.786	886.471	3.005%	45.586%
23.0	1559.401	66.913	953.383	3.011%	49.027%
24.0	1478.660	66.423	1019.806	2.989%	52.443%
25.0	1393.695	65.311	1085.117	2.939%	55.801%
26.0	1304.858	63.700	1148.817	2.867%	59.077%
27.0	1219.277	61.754	1210.571	2.779%	62.253%
28.0	1135.843	59.627	1270.197	2.683%	65.319%
29.0	1049.758	57.181	1327.379	2.573%	68.260%
30.0	964.367	54.381	1381.76	2.447%	71.056%
31.0	879.327	51.307	1433.067	2.309%	73.695%
32.0	795.879	47.993	1481.06	2.160%	76.163%
33.0	718.077	44.602	1525.661	2.007%	78.456%
34.0	646.257	41.289	1566.95	1.858%	80.579%
35.0	576.070	37.961	1604.911	1.708%	82.532%
36.0	512.579	34.663	1639.574	1.560%	84.314%
37.0	457.924	31.652	1671.226	1.424%	85.942%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	404.101	28.773	1700	1.295%	87.421%
39.0	352.979	25.841	1725.841	1.163%	88.750%
40.0	314.909	23.294	1749.134	1.048%	89.948%
41.0	273.523	20.954	1770.088	.943%	91.026%
42.0	235.770	18.503	1788.592	.833%	91.977%
43.0	203.119	16.258	1804.849	.732%	92.813%
44.0	177.104	14.351	1819.2	.646%	93.551%
45.0	153.864	12.719	1831.919	.572%	94.205%
46.0	134.537	11.279	1843.198	.508%	94.785%
47.0	117.149	10.010	1853.208	.450%	95.300%
48.0	102.816	8.892	1862.101	.400%	95.757%
49.0	90.406	7.935	1870.035	.357%	96.165%
50.0	78.314	7.035	1877.07	.317%	96.527%
51.0	68.548	6.213	1883.283	.280%	96.847%
52.0	60.350	5.531	1888.814	.249%	97.131%
53.0	52.317	4.901	1893.715	.221%	97.383%
54.0	45.610	4.316	1898.032	.194%	97.605%
55.0	40.109	3.826	1901.858	.172%	97.802%
56.0	34.728	3.382	1905.24	.152%	97.976%
57.0	29.992	2.959	1908.199	.133%	98.128%
58.0	25.933	2.586	1910.785	.116%	98.261%
59.0	22.109	2.246	1913.031	.101%	98.376%
60.0	18.314	1.910	1914.941	.086%	98.475%
61.0	15.174	1.598	1916.539	.072%	98.557%
62.0	12.750	1.346	1917.884	.061%	98.626%
63.0	11.510	1.180	1919.064	.053%	98.687%
64.0	10.778	1.094	1920.158	.049%	98.743%
65.0	10.356	1.046	1921.204	.047%	98.797%
66.0	10.113	1.021	1922.225	.046%	98.849%
67.0	9.956	1.009	1923.234	.045%	98.901%
68.0	9.848	1.003	1924.237	.045%	98.953%
69.0	9.788	1.002	1925.239	.045%	99.004%
70.0	9.725	1.002	1926.241	.045%	99.056%
71.0	9.669	1.002	1927.244	.045%	99.107%
72.0	9.587	1.001	1928.245	.045%	99.159%
73.0	9.523	0.999	1929.244	.045%	99.210%
74.0	9.437	0.997	1930.241	.045%	99.261%
75.0	9.325	0.991	1931.232	.045%	99.312%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	9.202	0.983	1932.216	.044%	99.363%
77.0	9.090	0.975	1933.191	.044%	99.413%
78.0	8.937	0.965	1934.156	.043%	99.463%
79.0	8.761	0.951	1935.107	.043%	99.512%
80.0	8.571	0.934	1936.041	.042%	99.560%
81.0	8.373	0.916	1936.958	.041%	99.607%
82.0	8.160	0.897	1937.854	.040%	99.653%
83.0	7.906	0.873	1938.728	.039%	99.698%
84.0	7.693	0.850	1939.577	.038%	99.742%
85.0	7.604	0.835	1940.412	.038%	99.784%
86.0	7.641	0.833	1941.246	.037%	99.827%
87.0	7.641	0.836	1942.082	.038%	99.870%
88.0	7.630	0.836	1942.918	.038%	99.913%
89.0	7.675	0.839	1943.757	.038%	99.957%
90.0	7.749	0.846	1944.603	.038%	100.000%

Zonal flux distribution table

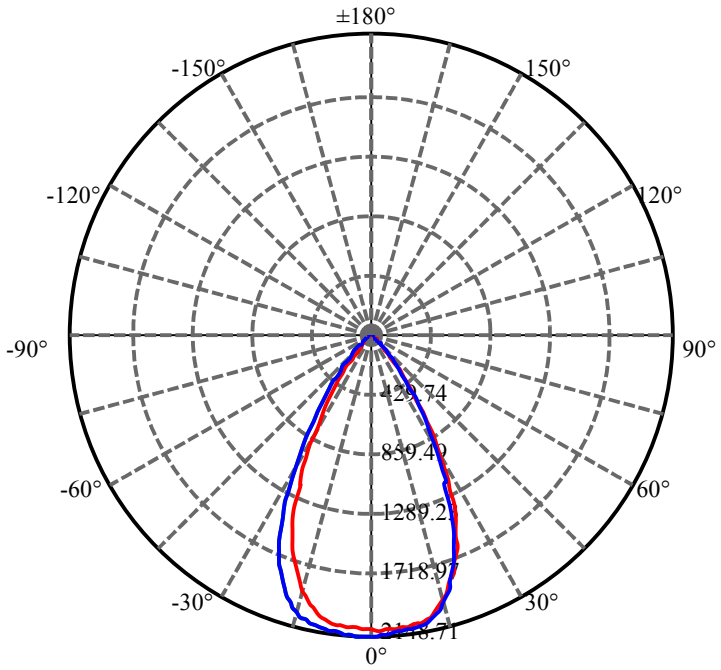
ZONAL LUMEN SUMMARY

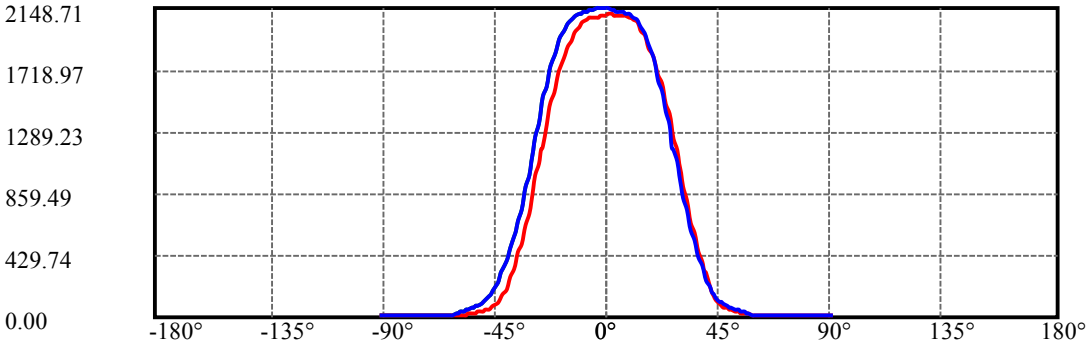
Zone	Lumens	%Lamp	%Fixt
0-30	1381.76	62.18%	71.06%
0-40	1749.13	78.71%	89.95%
0-60	1914.94	86.17%	98.47%
0-90	1943.76	87.47%	99.96%
0-120	1943.76	87.47%	99.96%
0-180	1944.60	87.51%	100.00%
60-90	30.73	1.38%	1.58%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-33.73	1555.68	70.01%	80.00%

ZONAL LUMEN SUMMARY

0-10	201.54
10-20	551.84
20-30	628.38
30-40	367.37
40-50	127.94
50-60	37.87
60-70	11.30
70-80	9.80
80-90	7.72
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):

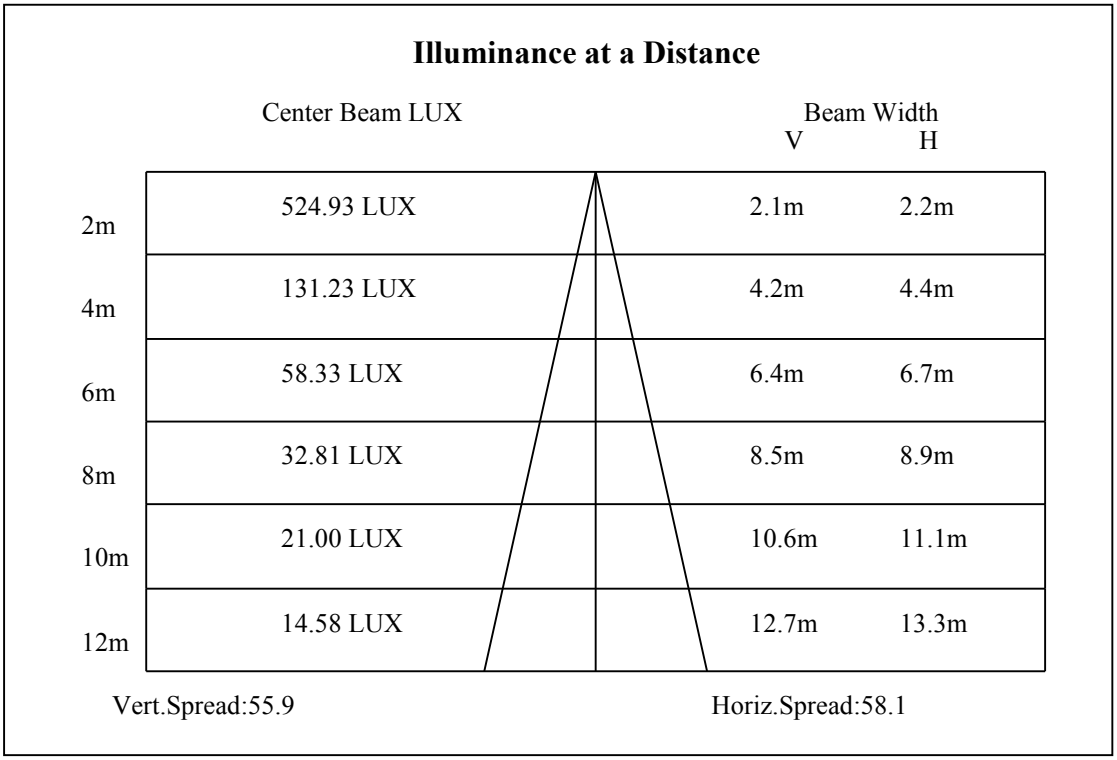
C0/C180:

C90/C270:

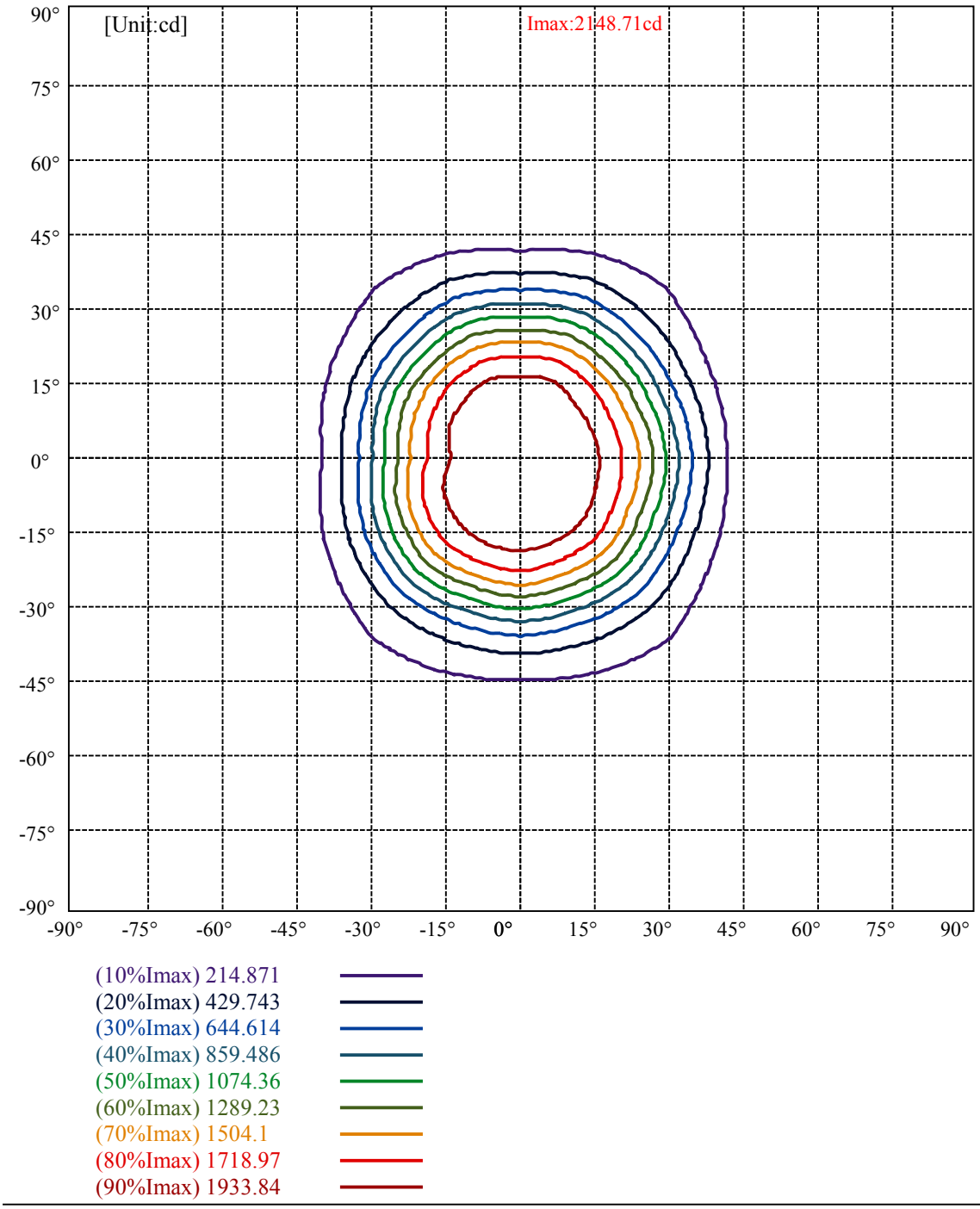
Field angle(10%Imax):C0/180Left:41.4 Right:39.2
:C90/270Left:43.2 Right:42.1

Beam Angle(50%Imax):C0/180Left:29.3 Right:27.3
:C90/270Left:29.1 Right:29.1

Lux distance Curve



ISO-Intensity(V-H)

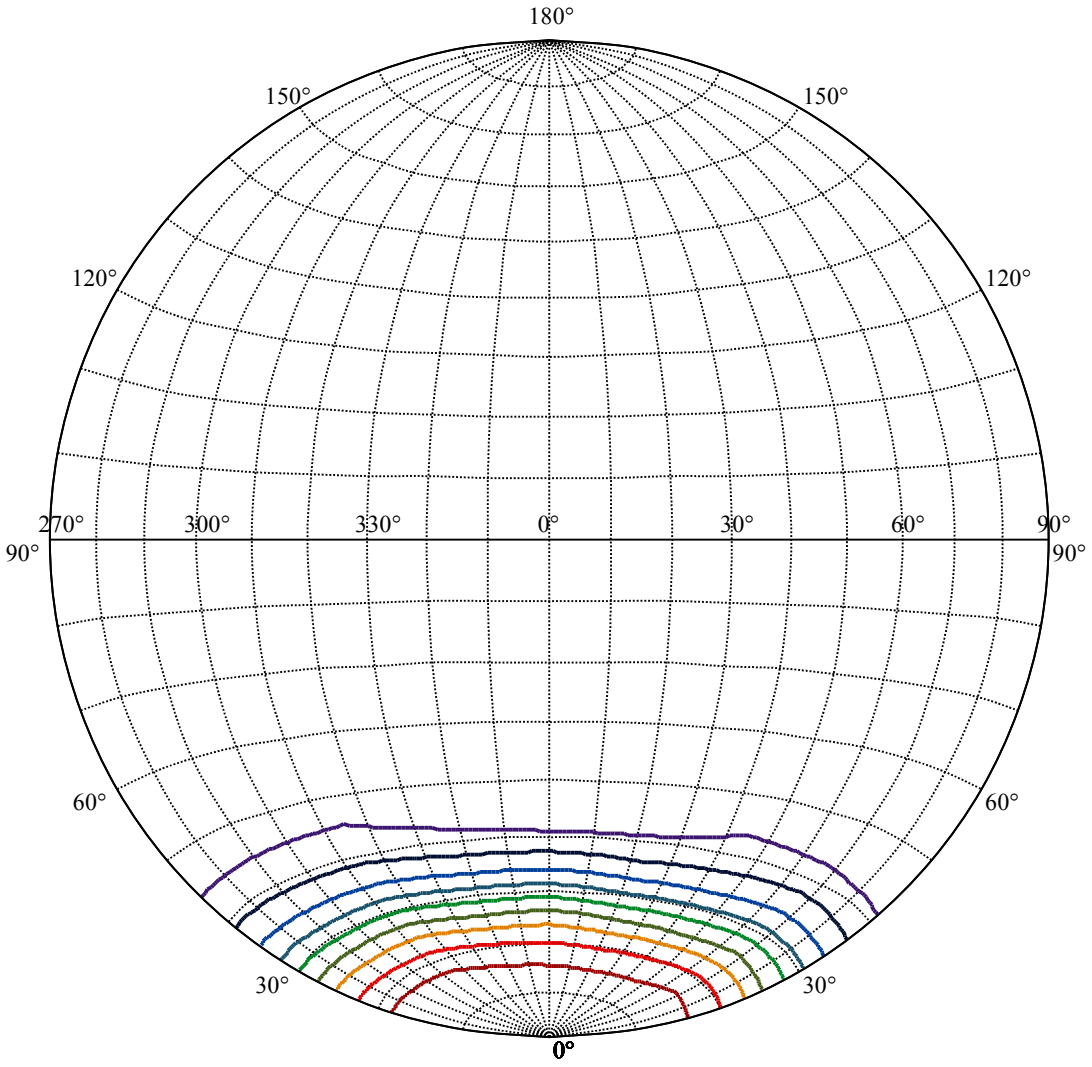


Equipment: GMS1980
Temperature(°C): 25.0

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

Operator: NT07
Distance(m): 7.73

ISO candela diagram on circular web



House [Unit:cd] Road

Imax:2148.71

(10%Imax) 214.871
(20%Imax) 429.743
(30%Imax) 644.614
(40%Imax) 859.486
(50%Imax) 1074.36
(60%Imax) 1289.23
(70%Imax) 1504.1
(80%Imax) 1718.97
(90%Imax) 1933.84

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

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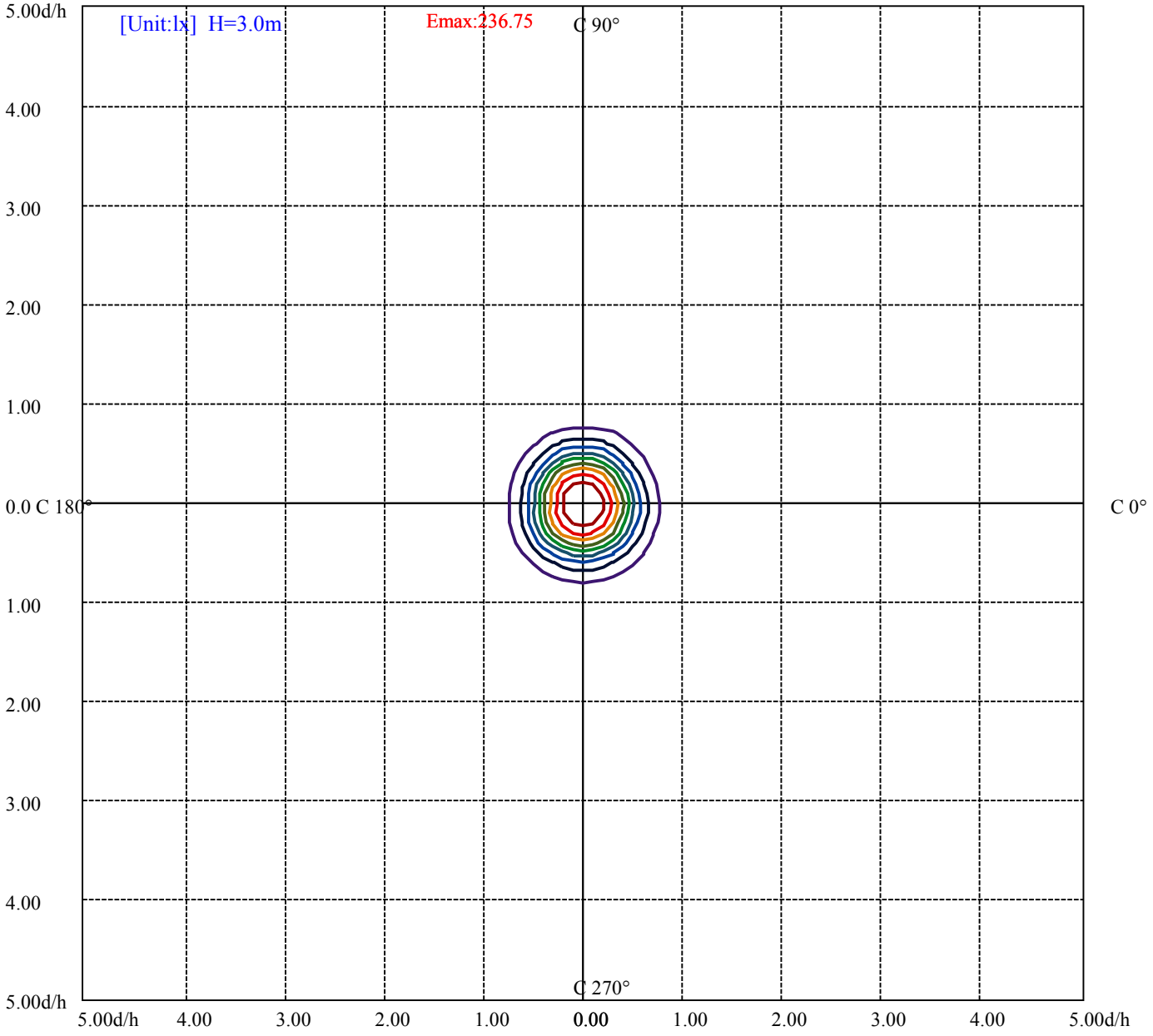
ISO illuminance diagram



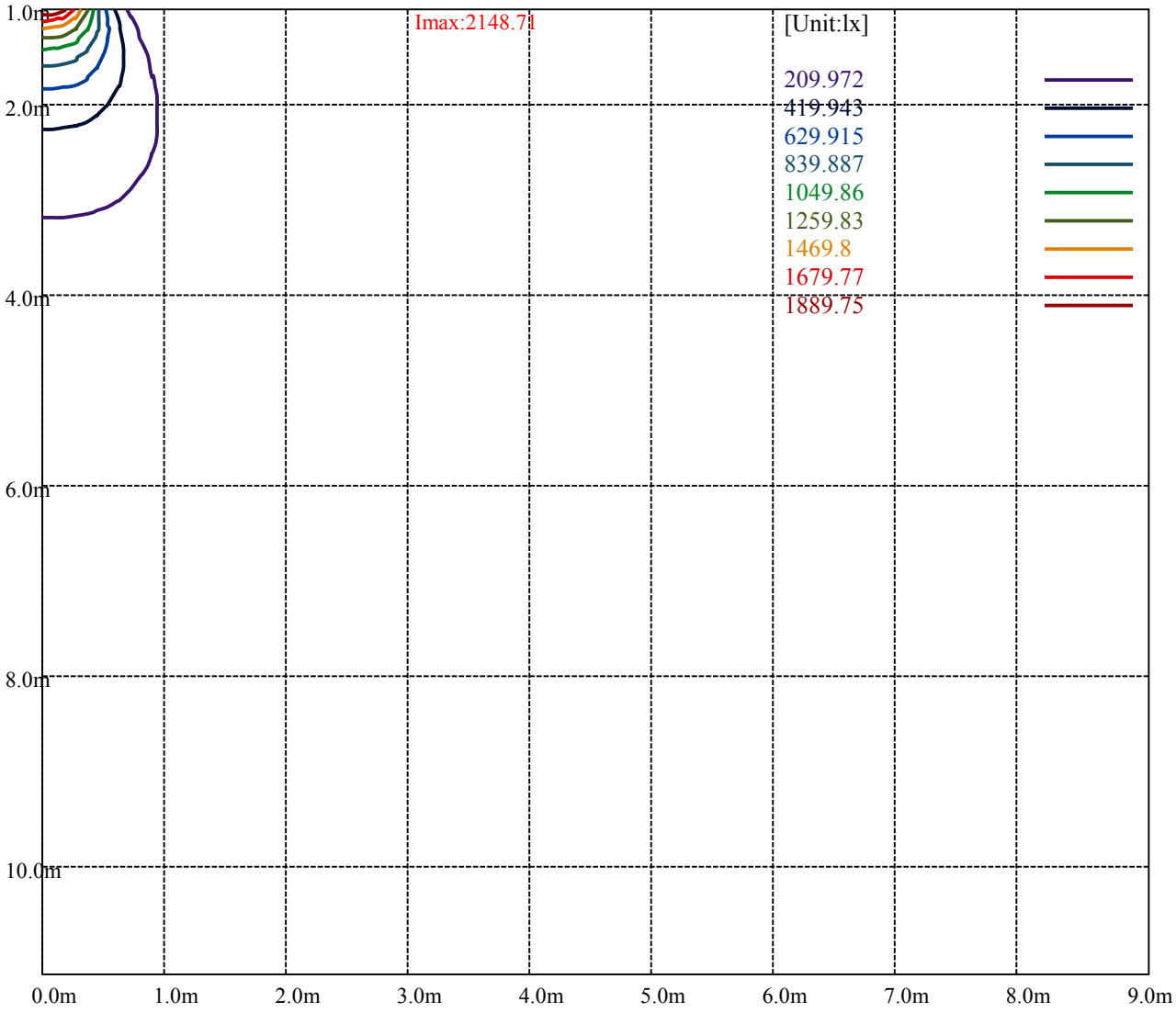
(10%Emax) 23.67544
(20%Emax) 47.35089
(30%Emax) 71.02634
(40%Emax) 94.70177
(50%Emax) 118.3767
(60%Emax) 142.0522
(70%Emax) 165.7278
(80%Emax) 189.4033
(90%Emax) 213.0789

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

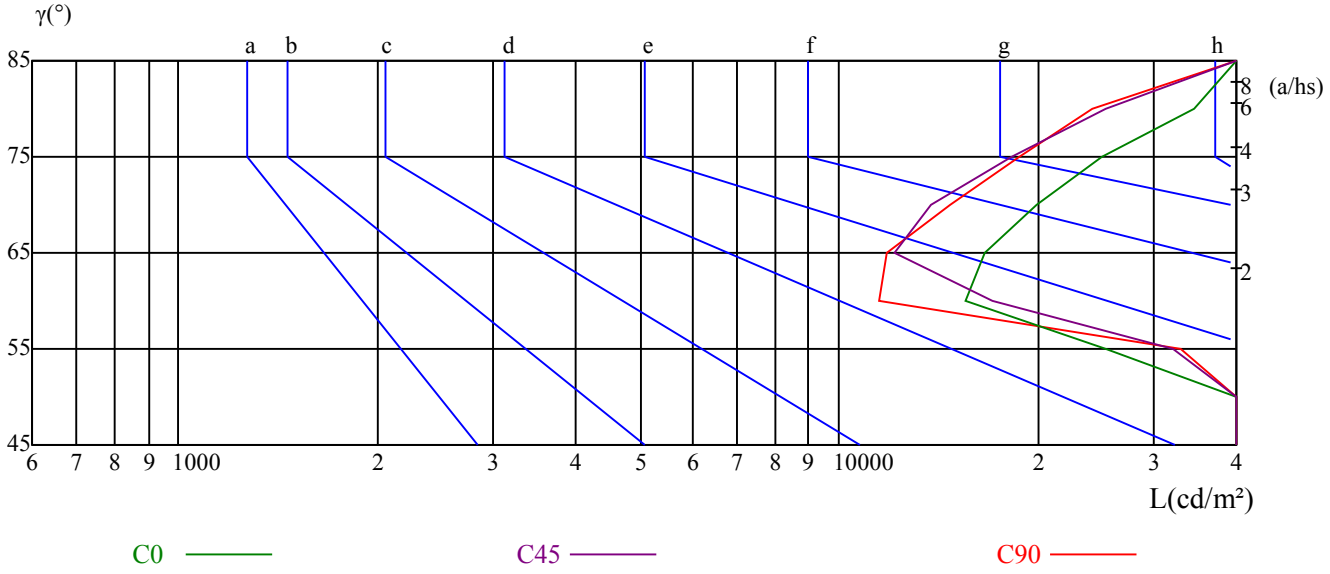
γ	45	50	55	60	65	70	75	80	85
C0	75454	40371	25354	15512	16670	19937	25097	34429	47832
C45	139483	70385	32058	17128	12158	13795	18230	25310	47461
C90	86194	55253	32904	11505	11852	14740	18729	24193	46349

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
14338	11967	13095	22163	18979	18355	47646	46534	47183

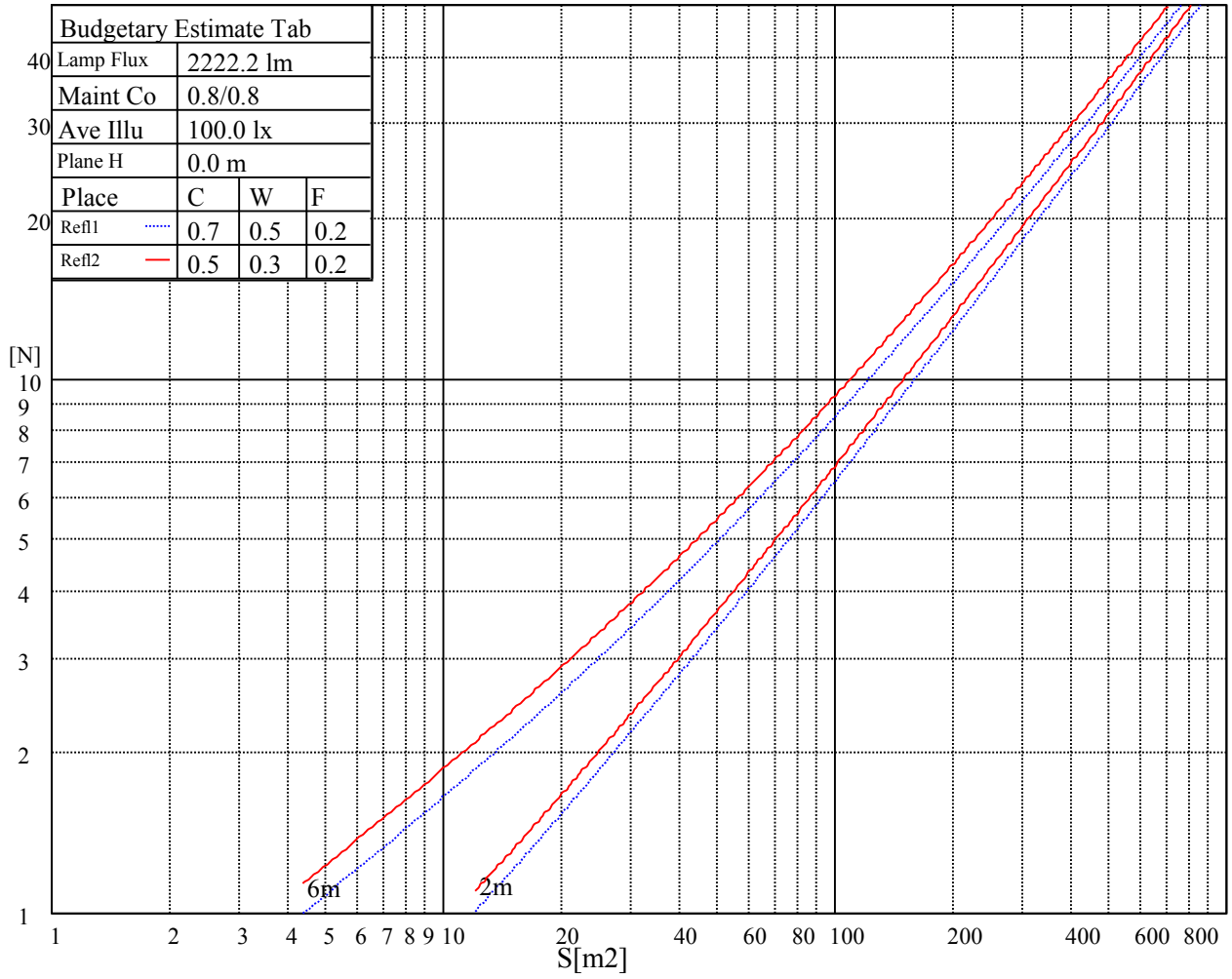
Glare Table

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

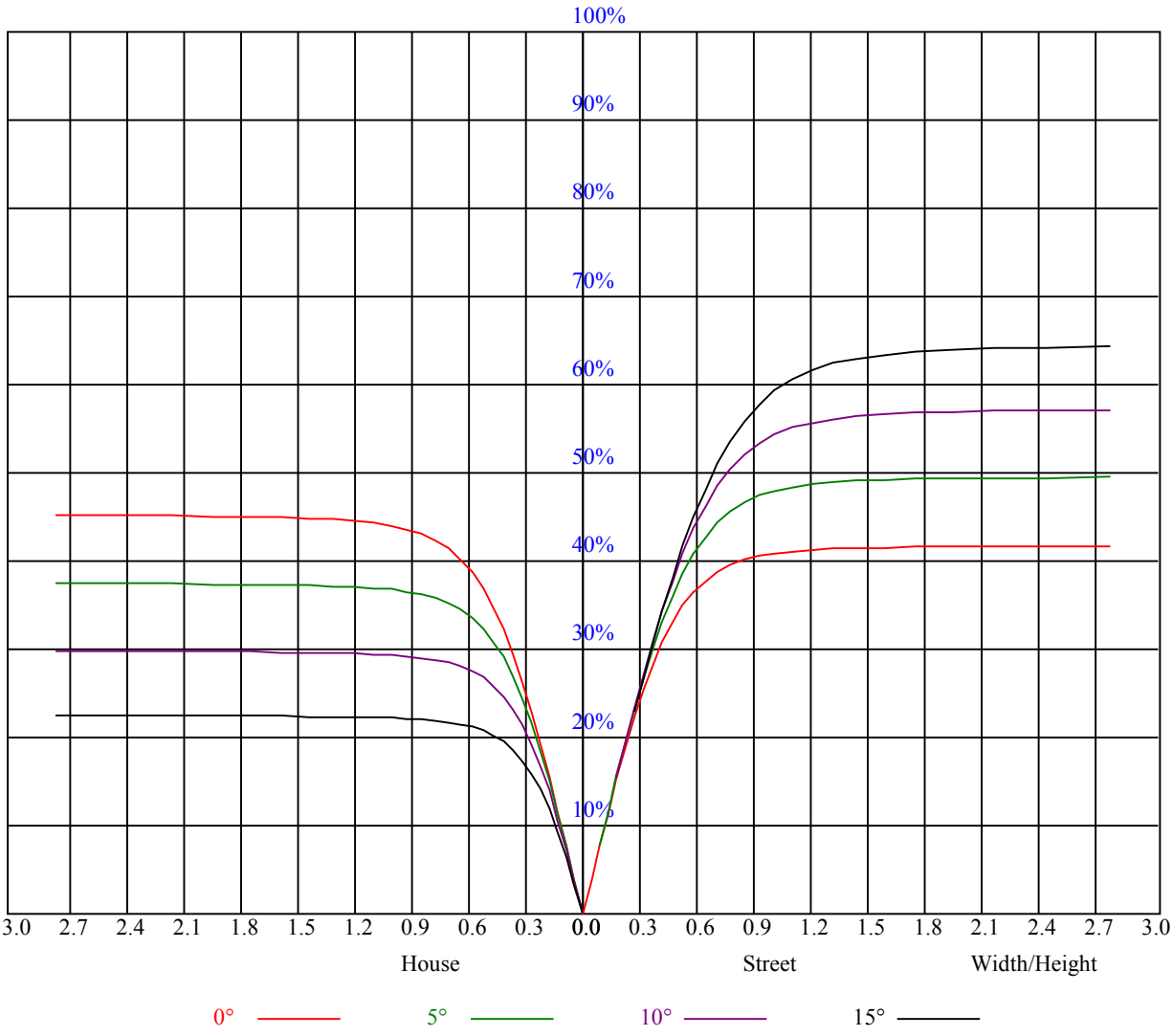


Equipment: GMS1980 Date: 2022/6/27 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 65.0% Distance(m): 7.73

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	1.04	1.04	1.04	1.02	1.02	1.02	0.97	0.97	0.97	0.93	0.93	0.93	0.89	0.89	0.89	0.88
1	0.97	0.94	0.92	0.95	0.93	0.91	0.91	0.89	0.88	0.88	0.87	0.85	0.85	0.84	0.83	0.81
2	0.90	0.86	0.83	0.88	0.85	0.82	0.85	0.83	0.80	0.83	0.80	0.79	0.80	0.78	0.77	0.75
3	0.83	0.79	0.75	0.82	0.78	0.75	0.80	0.77	0.74	0.78	0.75	0.73	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	0.72	0.69	0.66	0.65
5	0.73	0.68	0.64	0.72	0.67	0.64	0.71	0.66	0.63	0.69	0.65	0.63	0.68	0.65	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	0.51	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	0.48	0.56	0.51	0.48	0.55	0.51	0.48	0.54	0.51	0.48	0.47
10	0.54	0.49	0.46	0.54	0.49	0.46	0.53	0.49	0.45	0.52	0.48	0.45	0.52	0.48	0.45	0.44

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	2099.72	2102.11	2103.30	2100.91	2098.52	2096.73	2094.34	2093.74	2091.35
22.5	2100.31	2097.92	2096.73	2100.31	2102.11	2103.90	2111.07	2111.67	2107.48
45.0	2130.79	2127.80	2121.83	2112.86	2109.87	2107.48	2103.90	2100.31	2095.53
67.5	2142.14	2140.35	2136.17	2133.78	2129.59	2127.80	2123.62	2120.03	2115.85
90.0	2147.52	2143.93	2138.56	2131.39	2126.61	2122.42	2118.84	2115.85	2112.27
112.5	2131.98	2131.39	2131.39	2131.98	2130.79	2130.79	2128.40	2124.81	2120.63
135.0	2123.62	2124.22	2125.41	2127.80	2126.61	2126.61	2129.00	2128.40	2125.41
157.5	2114.66	2114.06	2112.86	2112.27	2112.27	2112.86	2111.67	2111.07	2108.68
180.0	2099.72	2095.53	2090.16	2086.57	2084.78	2081.79	2080.60	2076.41	2069.24
202.5	2100.31	2104.50	2106.89	2108.68	2109.87	2109.28	2109.28	2110.47	2109.87
225.0	2130.79	2131.39	2133.18	2131.39	2127.80	2122.42	2118.84	2115.85	2109.87
247.5	2142.14	2143.93	2142.74	2140.95	2137.96	2134.97	2130.19	2125.41	2121.83
270.0	2147.52	2148.71	2148.12	2146.92	2144.53	2137.96	2134.37	2129.00	2123.62
292.5	2131.98	2131.98	2131.98	2133.18	2133.78	2131.39	2129.59	2124.22	2118.24
315.0	2123.62	2123.02	2117.05	2107.48	2102.70	2105.09	2105.69	2106.29	2108.08
337.5	2114.66	2114.66	2115.25	2120.63	2126.01	2127.80	2128.40	2126.61	2124.81
360.0	2099.72	2102.11	2103.30	2100.91	2098.52	2096.73	2094.34	2093.74	2091.35

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	2085.38	2082.39	2067.45	2050.12	2027.42	1992.76	1957.51	1920.46	1871.46
22.5	2087.77	2068.65	2049.52	2022.04	1994.55	1973.04	1936.59	1901.93	1860.71
45.0	2084.78	2068.65	2050.72	2028.61	2006.50	1978.42	1944.96	1908.51	1868.47
67.5	2106.29	2097.92	2087.17	2068.65	2047.13	2028.01	1994.55	1958.70	1925.84
90.0	2108.08	2097.92	2084.78	2065.66	2043.55	2014.27	1977.22	1939.58	1895.96
112.5	2114.06	2106.89	2096.73	2083.58	2060.88	2038.17	2010.09	1967.07	1927.03
135.0	2117.64	2104.50	2088.36	2065.66	2038.77	2008.29	1971.25	1933.01	1883.41
157.5	2100.91	2091.95	2076.41	2051.91	2021.44	1988.58	1947.35	1907.91	1857.12
180.0	2057.29	2038.77	2019.05	1991.56	1962.29	1919.86	1880.42	1838.00	1795.57
202.5	2107.48	2099.12	2087.77	2072.23	2050.12	2025.03	1997.54	1965.27	1921.06
225.0	2105.09	2099.72	2087.17	2071.04	2056.10	2033.99	2013.67	1989.77	1955.71
247.5	2119.44	2115.25	2108.68	2100.31	2088.96	2067.45	2045.94	2020.84	1986.19
270.0	2118.24	2109.87	2102.70	2094.94	2081.19	2066.85	2047.13	2015.47	1984.99
292.5	2113.46	2105.09	2097.92	2087.17	2072.83	2053.11	2031.00	2001.72	1970.05
315.0	2109.87	2102.11	2094.94	2084.18	2068.65	2050.12	2026.22	1993.95	1954.52
337.5	2116.45	2097.92	2082.99	2062.07	2029.21	2005.31	1976.03	1938.38	1897.15
360.0	2085.38	2082.39	2067.45	2050.12	2027.42	1992.76	1957.51	1920.46	1871.46

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1830.83	1788.40	1729.25	1679.06	1625.88	1557.76	1483.07	1413.75	1331.29
22.5	1800.95	1747.77	1691.01	1615.72	1550.59	1483.66	1393.44	1317.55	1241.07
45.0	1811.11	1760.32	1704.75	1628.86	1561.34	1491.43	1407.78	1321.14	1191.05
67.5	1868.47	1820.67	1763.91	1684.43	1615.72	1546.41	1454.98	1379.69	1304.41
90.0	1835.01	1784.22	1724.47	1647.39	1579.87	1509.36	1425.11	1337.27	1183.59
112.5	1881.02	1823.06	1760.32	1698.18	1620.50	1542.82	1469.32	1382.68	1309.19
135.0	1829.63	1778.84	1723.87	1646.19	1578.67	1506.97	1411.36	1330.70	1183.88
157.5	1800.35	1742.39	1679.06	1616.32	1554.17	1486.05	1394.63	1318.15	1245.25
180.0	1739.41	1689.21	1634.24	1558.36	1492.03	1422.72	1339.06	1186.63	1166.79
202.5	1882.81	1840.39	1786.01	1722.68	1659.34	1581.66	1500.40	1425.11	1335.48
225.0	1922.85	1883.41	1830.23	1782.43	1731.64	1667.70	1596.00	1526.69	1441.24
247.5	1946.15	1903.73	1851.74	1791.39	1732.24	1656.95	1584.05	1496.21	1404.79
270.0	1950.93	1909.70	1857.12	1808.72	1753.15	1676.67	1606.76	1531.47	1439.45
292.5	1929.42	1884.01	1835.61	1772.87	1702.96	1633.64	1559.55	1464.54	1385.67
315.0	1917.47	1869.67	1815.89	1760.92	1696.38	1635.44	1560.15	1478.29	1401.21
337.5	1856.52	1805.14	1754.35	1689.21	1618.11	1551.19	1472.91	1389.25	1313.37
360.0	1830.83	1788.40	1729.25	1679.06	1625.88	1557.76	1483.07	1413.75	1331.29

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	1244.65	1165.18	1074.36	994.89	906.45	816.82	739.74	657.28	580.80
22.5	1152.04	1067.78	982.34	893.31	804.87	734.36	651.31	587.97	516.27
45.0	1152.57	1073.58	984.25	896.17	820.47	738.67	662.84	600.28	542.62
67.5	1207.01	1131.72	1046.87	959.63	877.77	810.25	727.79	656.68	592.15
90.0	1162.97	1082.72	993.03	905.14	830.57	748.46	669.77	603.38	540.11
112.5	1217.17	1131.72	1048.07	977.56	876.58	803.08	734.96	648.32	586.77
135.0	1142.36	1060.61	979.23	881.53	815.63	731.73	645.75	590.30	524.57
157.5	1150.24	1061.81	972.78	875.38	794.71	721.22	632.78	574.23	507.90
180.0	1073.40	990.11	894.74	803.32	727.19	646.88	572.43	512.74	458.90
202.5	1184.48	1152.69	1058.88	973.79	890.20	788.86	711.96	639.12	555.52
225.0	1349.22	1263.18	1167.57	1082.72	987.72	895.10	815.63	729.58	650.11
247.5	1321.14	1189.08	1126.88	1043.64	962.02	864.09	789.16	716.98	641.21
270.0	1343.84	1257.20	1162.79	1080.33	989.51	901.07	825.19	744.52	668.63
292.5	1303.81	1184.84	1113.56	1032.83	933.58	856.74	783.90	696.84	639.18
315.0	1320.54	1217.76	1136.50	1055.83	956.64	877.77	801.29	729.58	644.73
337.5	1182.99	1143.49	1054.28	973.79	895.34	798.96	724.74	652.32	567.65
360.0	1244.65	1165.18	1074.36	994.89	906.45	816.82	739.74	657.28	580.80

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	517.46	458.90	386.00	325.06	303.54	216.90	175.32	145.32	118.85
22.5	452.93	404.53	359.71	301.75	272.59	213.02	170.00	141.61	118.79
45.0	477.66	431.30	389.29	343.04	310.06	280.60	251.44	225.57	204.53
67.5	531.80	474.44	418.87	368.08	325.65	304.74	238.47	206.75	178.36
90.0	466.25	410.86	359.83	300.56	257.71	219.53	179.92	154.04	133.01
112.5	534.79	467.87	414.09	375.85	323.86	304.14	242.42	205.91	177.23
135.0	459.74	418.87	378.36	329.00	301.87	273.67	246.96	222.52	202.86
157.5	446.35	397.95	356.13	305.34	279.64	224.91	183.68	155.36	131.46
180.0	392.88	337.07	285.62	227.90	188.46	156.31	127.81	106.06	90.82
202.5	495.65	443.25	390.66	342.50	299.36	254.73	218.34	182.13	151.29
225.0	585.58	524.63	455.32	408.71	368.08	328.04	304.74	265.18	238.95
247.5	572.49	518.18	463.38	413.31	373.69	333.18	300.38	265.48	233.10
270.0	605.89	554.51	478.62	427.83	387.80	335.81	302.95	256.82	220.55
292.5	571.95	506.17	464.46	414.74	365.87	335.03	302.59	260.58	235.78
315.0	582.59	524.63	466.67	414.69	373.46	334.02	302.95	269.84	243.31
337.5	507.24	453.64	398.61	349.32	306.89	261.72	224.37	186.73	154.76
360.0	517.46	458.90	386.00	325.06	303.54	216.90	175.32	145.32	118.85

C/γ(°)	45.0	46.0	47.0	48.0	49.0	50.0	51.0	52.0	53.0
0.0	98.65	84.43	71.82	62.98	54.85	47.98	42.72	38.42	33.58
22.5	98.65	82.94	71.34	61.25	54.32	47.38	41.65	37.29	32.80
45.0	182.37	162.53	140.24	119.15	101.46	83.65	68.60	57.60	48.64
67.5	148.49	128.95	112.22	96.80	84.67	75.47	66.68	59.81	53.36
90.0	112.69	101.46	89.75	79.17	72.90	65.67	58.08	52.70	46.85
112.5	150.04	127.87	111.38	97.99	84.97	75.65	68.30	60.53	53.90
135.0	182.49	163.01	145.44	125.78	108.69	90.65	74.51	62.56	52.70
157.5	109.77	92.50	79.95	68.48	60.17	52.10	45.65	40.39	35.31
180.0	77.50	67.88	59.33	51.99	46.49	40.75	35.73	31.61	27.79
202.5	128.65	107.79	91.12	79.35	69.67	59.69	53.00	47.15	40.81
225.0	216.19	198.32	180.15	163.66	144.90	126.26	110.06	94.83	78.34
247.5	206.15	181.11	153.03	134.32	118.43	101.22	89.57	80.01	69.91
270.0	188.46	163.96	140.84	123.93	108.57	95.96	86.64	78.81	70.27
292.5	208.06	178.60	152.55	133.01	114.90	99.61	88.37	78.16	70.51
315.0	222.82	202.56	184.10	168.56	152.85	132.65	115.86	100.15	82.28
337.5	130.86	108.69	91.12	78.63	68.66	58.32	51.33	45.59	40.03
360.0	98.65	84.43	71.82	62.98	54.85	47.98	42.72	38.42	33.58

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	30.18	26.89	23.24	20.73	18.34	16.13	14.34	13.68	13.32
22.5	28.80	25.45	22.47	19.42	17.33	14.94	12.79	12.25	12.07
45.0	39.74	34.00	29.16	24.74	21.15	18.46	15.83	13.68	12.01
67.5	47.74	43.08	38.24	33.82	30.00	24.44	16.13	12.37	10.64
90.0	39.38	34.90	29.28	21.51	15.18	12.37	10.64	9.68	9.26
112.5	48.52	42.90	38.06	33.88	29.22	23.18	16.01	12.49	11.05
135.0	43.02	36.93	31.91	26.71	23.18	20.08	17.51	14.76	12.79
157.5	31.07	27.61	24.38	20.97	18.64	15.36	12.31	11.47	11.05
180.0	23.78	20.85	18.11	14.58	12.31	11.29	10.52	9.98	9.74
202.5	36.45	32.33	28.44	24.86	22.05	18.94	15.77	12.31	11.11
225.0	66.86	56.94	46.85	40.09	34.00	28.20	23.36	19.96	16.91
247.5	63.04	57.00	50.13	45.71	40.51	35.97	32.80	27.13	16.55
270.0	63.58	56.88	48.76	42.72	37.11	31.01	21.75	15.00	12.01
292.5	62.92	56.41	51.15	46.31	40.69	36.63	32.86	24.14	16.13
315.0	69.49	58.38	48.34	40.33	34.42	28.74	24.32	20.20	16.85
337.5	35.19	31.19	27.13	23.48	20.79	17.99	16.07	13.68	12.49
360.0	30.18	26.89	23.24	20.73	18.34	16.13	14.34	13.68	13.32

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	13.15	13.09	13.03	12.91	12.85	12.73	12.67	12.61	12.49
22.5	12.13	12.31	12.49	12.43	12.31	12.19	12.13	11.95	11.77
45.0	10.64	9.92	9.50	9.20	9.08	8.96	8.84	8.72	8.78
67.5	9.62	9.20	9.02	9.02	9.08	9.14	9.14	9.20	9.20
90.0	9.14	9.20	9.26	9.38	9.44	9.32	9.38	9.32	9.32
112.5	10.28	9.80	9.62	9.62	9.62	9.62	9.62	9.62	9.56
135.0	11.23	9.92	9.44	9.14	8.90	8.72	8.66	8.66	8.72
157.5	10.93	10.88	10.64	10.46	10.40	10.28	10.16	9.98	9.80
180.0	9.62	9.44	9.38	9.32	9.32	9.38	9.32	9.32	9.32
202.5	10.46	10.10	10.04	10.04	10.16	10.04	9.86	9.74	9.56
225.0	14.58	12.55	10.99	10.10	9.32	9.02	8.90	8.84	8.78
247.5	12.79	11.11	10.04	9.68	9.38	9.32	9.32	9.32	9.32
270.0	10.70	9.86	9.44	9.26	9.26	9.32	9.38	9.44	9.44
292.5	12.19	10.64	9.80	9.38	9.14	9.14	9.14	9.14	9.20
315.0	14.64	12.49	10.99	10.04	9.44	9.08	8.96	8.90	8.84
337.5	12.07	11.95	12.01	11.83	11.59	11.29	11.11	10.82	10.58
360.0	13.15	13.09	13.03	12.91	12.85	12.73	12.67	12.61	12.49

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	12.43	12.25	12.19	12.01	11.83	11.71	11.47	11.29	11.05
22.5	11.47	11.11	10.82	10.40	10.22	10.04	9.92	9.68	9.44
45.0	8.78	8.84	8.78	8.72	8.66	8.54	8.37	8.25	8.13
67.5	9.14	9.14	9.02	8.96	8.84	8.72	8.54	8.31	8.07
90.0	9.20	9.14	9.08	8.96	8.90	8.72	8.43	8.07	7.77
112.5	9.50	9.44	9.32	9.14	8.84	8.72	8.60	8.37	8.01
135.0	8.72	8.78	8.84	8.84	8.78	8.66	8.54	8.37	8.07
157.5	9.56	9.38	9.26	9.08	8.90	8.78	8.66	8.60	8.48
180.0	9.32	9.32	9.26	9.20	9.20	9.08	9.02	8.90	8.84
202.5	9.38	9.20	9.14	9.02	8.96	8.84	8.78	8.72	8.66
225.0	8.72	8.72	8.72	8.72	8.72	8.66	8.54	8.43	8.31
247.5	9.26	9.20	9.14	9.02	8.84	8.72	8.48	8.31	8.13
270.0	9.38	9.38	9.26	9.20	9.02	8.90	8.66	8.43	8.13
292.5	9.20	9.26	9.20	9.08	8.90	8.84	8.66	8.48	8.31
315.0	8.84	8.84	8.84	8.84	8.78	8.78	8.72	8.60	8.48
337.5	10.46	10.34	10.10	9.98	9.80	9.68	9.56	9.38	9.26
360.0	12.43	12.25	12.19	12.01	11.83	11.71	11.47	11.29	11.05

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	10.82	10.52	8.84	8.07	7.71	7.71	7.65	7.59	7.59
22.5	9.08	8.25	7.83	7.65	7.65	7.65	7.59	7.59	7.59
45.0	7.95	7.77	7.59	7.53	7.65	7.71	7.71	7.77	7.95
67.5	7.77	7.59	7.59	7.53	7.65	8.48	8.48	8.48	8.54
90.0	7.53	7.53	7.53	7.47	7.47	7.71	7.71	7.65	7.83
112.5	7.77	7.59	7.59	7.53	7.47	7.47	7.59	7.71	7.71
135.0	7.89	7.71	7.65	7.53	7.47	7.47	7.53	7.59	7.77
157.5	8.37	8.25	8.13	7.77	7.65	7.59	7.59	7.53	7.59
180.0	8.78	8.66	8.54	7.77	7.65	7.59	7.59	7.53	7.59
202.5	8.60	8.43	8.31	8.19	7.83	7.65	7.59	7.59	7.59
225.0	8.19	8.13	7.89	7.77	7.71	7.59	7.59	7.53	7.53
247.5	7.89	7.71	7.65	7.65	7.53	7.53	7.53	7.47	7.53
270.0	7.89	7.65	7.65	7.59	7.53	7.53	7.53	7.53	7.53
292.5	7.95	7.71	7.65	7.59	7.47	7.47	7.47	7.47	7.47
315.0	8.43	8.25	7.95	7.71	7.59	7.53	7.53	7.53	7.47
337.5	9.08	8.84	8.13	7.77	7.65	7.59	7.59	7.53	7.53
360.0	10.82	10.52	8.84	8.07	7.71	7.71	7.65	7.59	7.59

C/γ(°)	90.0
0.0	7.59
22.5	7.77
45.0	8.19
67.5	8.72
90.0	8.07
112.5	7.95
135.0	8.01
157.5	7.65
180.0	7.53
202.5	7.59
225.0	7.53
247.5	7.47
270.0	7.47
292.5	7.47
315.0	7.47
337.5	7.53
360.0	7.59