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Address:380JinOu Road,GaoXin Zone,Jiang Men City,Guangdong,Ching

Nata

LumCAT: 6-0845-M4
Luminaire: LM07126060EM
Report No: 220627-B008
Test No: 220627-C008
LampCAT: LUMILEDS 5050
Lamp flux(lm): 2222.2
Number of Lamps: 1
Length(mm): 43
Phm Type: C

Voltage(V): 40.3100
Current(A): 0.3500
Power (W): 14.1080
PF: 0.0000
Ballast type: DC
Width(mm): 43
Height(mm): 0

Photometric Results

Lumens(lm): 1659.78
Efficiency(%): 74.69%
Lumens(lm)/Power(W): 117.65
Central intensity(cd): 1894.764
Maximum intensity(cd): 1951.530
Angle of maximum intensity: C=270.0 γ=4.0
Beam Angle(50%Imax): [C0/180]Total=56.0
[C90/270]Total=57.0
Field angle(10%Imax): [C0/180]Total=79.3
[C90/270]Total=81.1
Maximum s/h(1/2): C0_180=0.87 C90_270=0.87
Maximum s/h(1/4): C0_180=0.82 C90_270=0.82
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 74.69%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 98.696%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	1921.205	0.000	0	.000%	.000%
1.0	1920.906	1.838	1.838	.083%	.111%
2.0	1921.280	5.515	7.353	.248%	.443%
3.0	1922.475	9.193	16.546	.414%	.997%
4.0	1923.633	12.874	29.42	.579%	1.773%
5.0	1923.110	16.548	45.969	.745%	2.770%
6.0	1920.533	20.199	66.168	.909%	3.987%
7.0	1916.388	23.816	89.984	1.072%	5.421%
8.0	1910.599	27.389	117.373	1.233%	7.072%
9.0	1902.122	30.900	148.273	1.391%	8.933%
10.0	1891.105	34.327	182.6	1.545%	11.001%
11.0	1878.594	37.667	220.267	1.695%	13.271%
12.0	1862.797	40.899	261.166	1.840%	15.735%
13.0	1840.389	43.947	305.113	1.978%	18.383%
14.0	1816.675	46.810	351.923	2.106%	21.203%
15.0	1789.450	49.506	401.43	2.228%	24.186%
16.0	1757.071	51.966	453.396	2.339%	27.317%
17.0	1717.000	54.101	507.497	2.435%	30.576%
18.0	1674.202	55.914	563.411	2.516%	33.945%
19.0	1627.632	57.445	620.856	2.585%	37.406%
20.0	1573.107	58.582	679.438	2.636%	40.936%
21.0	1512.906	59.258	738.696	2.667%	44.506%
22.0	1451.883	59.579	798.275	2.681%	48.095%
23.0	1386.043	59.547	857.822	2.680%	51.683%
24.0	1304.955	58.835	916.657	2.648%	55.228%
25.0	1232.333	57.692	974.349	2.596%	58.704%
26.0	1155.643	56.368	1030.718	2.537%	62.100%
27.0	1079.223	54.677	1085.394	2.460%	65.394%
28.0	992.850	52.461	1137.855	2.361%	68.555%
29.0	912.348	49.845	1187.7	2.243%	71.558%
30.0	833.516	47.138	1234.838	2.121%	74.398%
31.0	751.228	44.101	1278.939	1.985%	77.055%
32.0	674.345	40.841	1319.78	1.838%	79.516%
33.0	602.664	37.621	1357.401	1.693%	81.782%
34.0	534.774	34.422	1391.824	1.549%	83.856%
35.0	468.747	31.166	1422.989	1.402%	85.734%
36.0	412.112	28.047	1451.036	1.262%	87.424%
37.0	360.512	25.199	1476.234	1.134%	88.942%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	317.430	22.629	1498.863	1.018%	90.305%
39.0	269.508	20.034	1518.897	.902%	91.512%
40.0	233.679	17.549	1536.446	.790%	92.569%
41.0	195.396	15.279	1551.726	.688%	93.490%
42.0	164.354	13.070	1564.796	.588%	94.277%
43.0	137.159	11.169	1575.965	.503%	94.950%
44.0	115.973	9.554	1585.519	.430%	95.526%
45.0	98.107	8.227	1593.746	.370%	96.022%
46.0	81.622	7.029	1600.775	.316%	96.445%
47.0	69.250	6.001	1606.775	.270%	96.807%
48.0	58.786	5.176	1611.951	.233%	97.119%
49.0	49.599	4.451	1616.402	.200%	97.387%
50.0	41.371	3.793	1620.195	.171%	97.615%
51.0	34.787	3.222	1623.417	.145%	97.809%
52.0	29.395	2.754	1626.171	.124%	97.975%
53.0	24.708	2.353	1628.525	.106%	98.117%
54.0	20.977	2.014	1630.538	.091%	98.238%
55.0	17.959	1.738	1632.276	.078%	98.343%
56.0	15.450	1.510	1633.786	.068%	98.434%
57.0	13.157	1.308	1635.094	.059%	98.513%
58.0	11.431	1.137	1636.231	.051%	98.581%
59.0	10.091	1.006	1637.237	.045%	98.642%
60.0	8.997	0.902	1638.139	.041%	98.696%
61.0	8.257	0.823	1638.962	.037%	98.746%
62.0	7.783	0.773	1639.735	.035%	98.793%
63.0	7.454	0.741	1640.476	.033%	98.837%
64.0	7.223	0.720	1641.197	.032%	98.881%
65.0	7.096	0.709	1641.905	.032%	98.923%
66.0	7.021	0.704	1642.609	.032%	98.966%
67.0	6.972	0.704	1643.313	.032%	99.008%
68.0	6.939	0.705	1644.018	.032%	99.051%
69.0	6.898	0.706	1644.724	.032%	99.093%
70.0	6.860	0.707	1645.43	.032%	99.136%
71.0	6.831	0.708	1646.138	.032%	99.178%
72.0	6.789	0.708	1646.846	.032%	99.221%
73.0	6.771	0.709	1647.555	.032%	99.264%
74.0	6.752	0.711	1648.266	.032%	99.306%
75.0	6.737	0.713	1648.979	.032%	99.349%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	6.730	0.715	1649.694	.032%	99.392%
77.0	6.715	0.717	1650.411	.032%	99.436%
78.0	6.707	0.718	1651.129	.032%	99.479%
79.0	6.681	0.719	1651.848	.032%	99.522%
80.0	6.674	0.720	1652.568	.032%	99.566%
81.0	6.651	0.721	1653.289	.032%	99.609%
82.0	6.640	0.721	1654.01	.032%	99.653%
83.0	6.629	0.721	1654.731	.032%	99.696%
84.0	6.618	0.722	1655.453	.032%	99.739%
85.0	6.595	0.721	1656.174	.032%	99.783%
86.0	6.584	0.720	1656.894	.032%	99.826%
87.0	6.580	0.720	1657.615	.032%	99.870%
88.0	6.573	0.721	1658.335	.032%	99.913%
89.0	6.577	0.721	1659.056	.032%	99.957%
90.0	6.577	0.721	1659.777	.032%	100.000%

Zonal flux distribution table

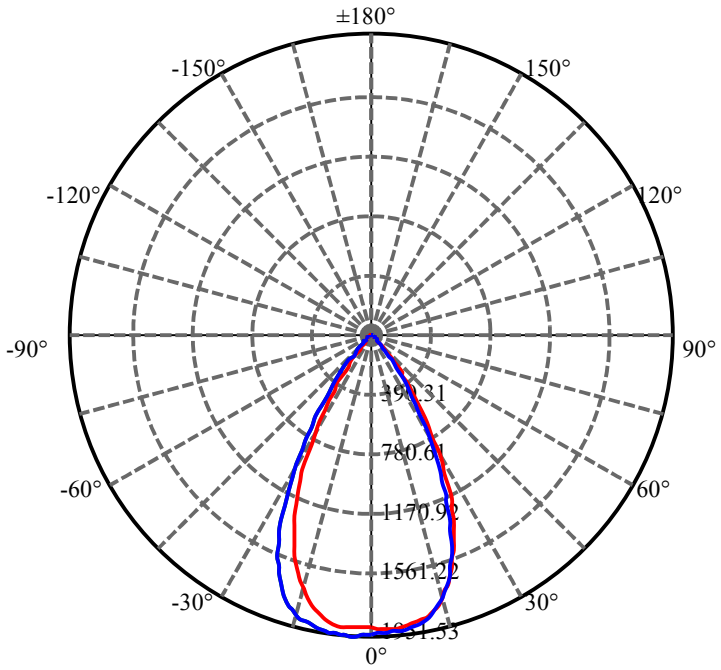
ZONAL LUMEN SUMMARY

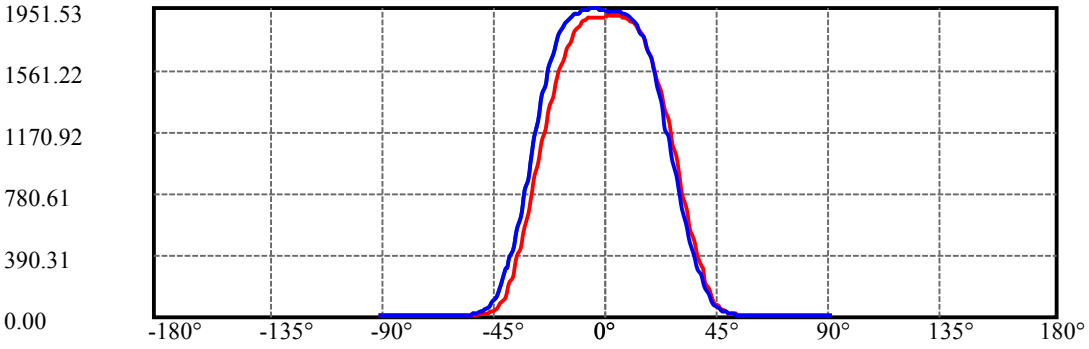
Zone	Lumens	%Lamp	%Fixt
0-30	1234.84	55.57%	74.40%
0-40	1536.45	69.14%	92.57%
0-60	1638.14	73.72%	98.70%
0-90	1659.06	74.66%	99.96%
0-120	1659.06	74.66%	99.96%
0-180	1659.78	74.69%	100.00%
60-90	21.82	0.98%	1.31%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-32.21	1327.82	59.75%	80.00%

ZONAL LUMEN SUMMARY

0-10	182.60
10-20	496.84
20-30	555.40
30-40	301.61
40-50	83.75
50-60	17.94
60-70	7.29
70-80	7.14
80-90	6.49
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):

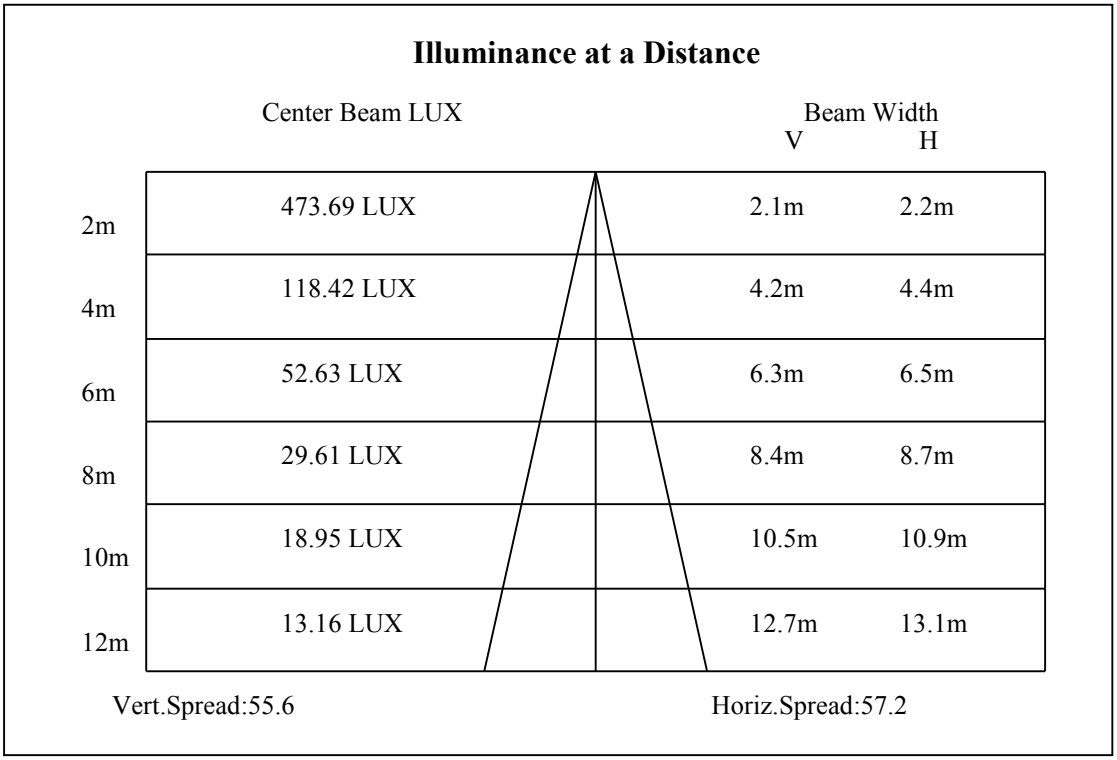
C0/C180:

C90/C270:

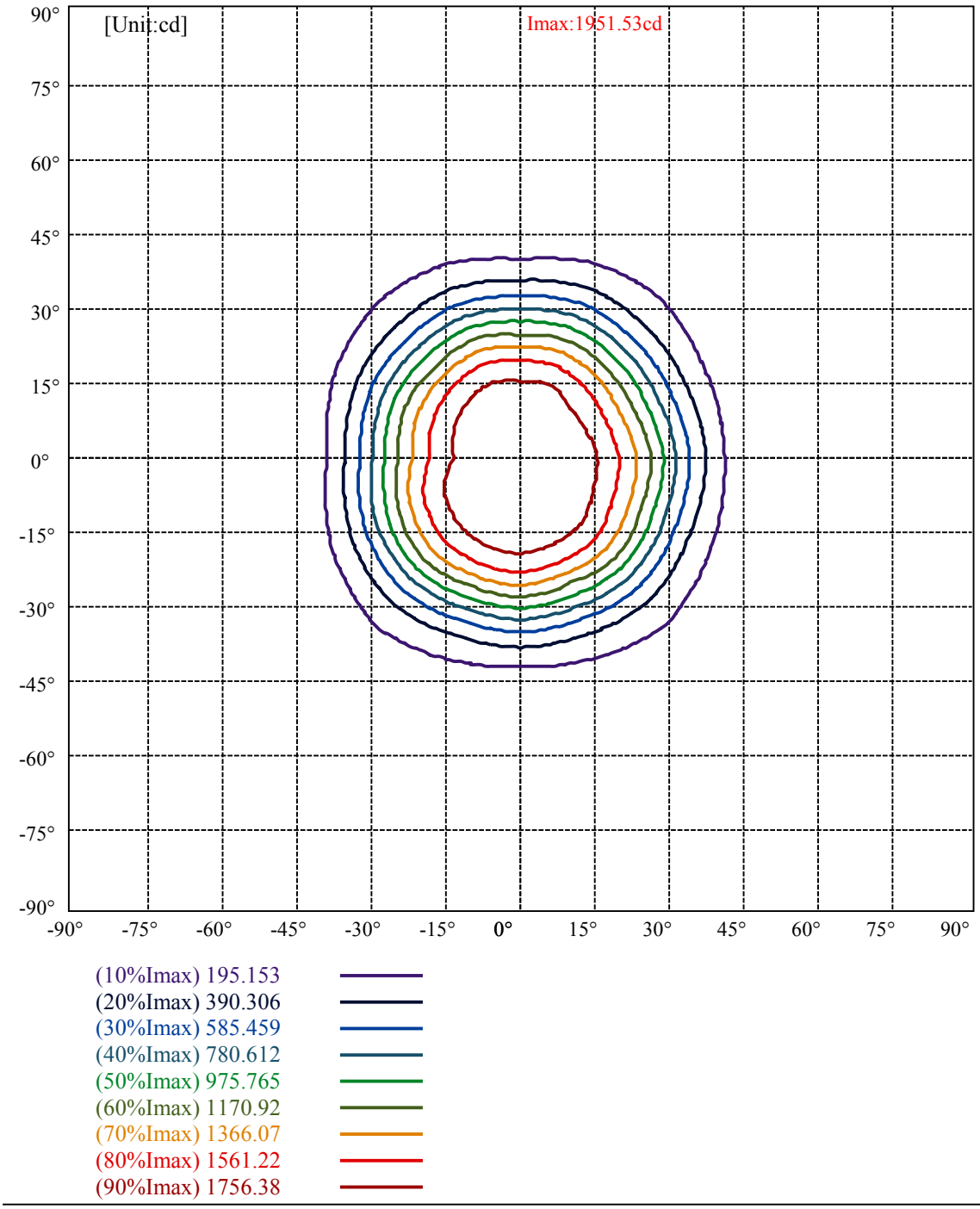
Field angle(10%Imax):C0/180Left:42.5 Right:36.8
:C90/270Left:37.6 Right:43.5

Beam Angle(50%Imax):C0/180Left:31.2 Right:24.8
:C90/270Left:25.9 Right:31.1

Lux distance Curve



ISO-Intensity(V-H)

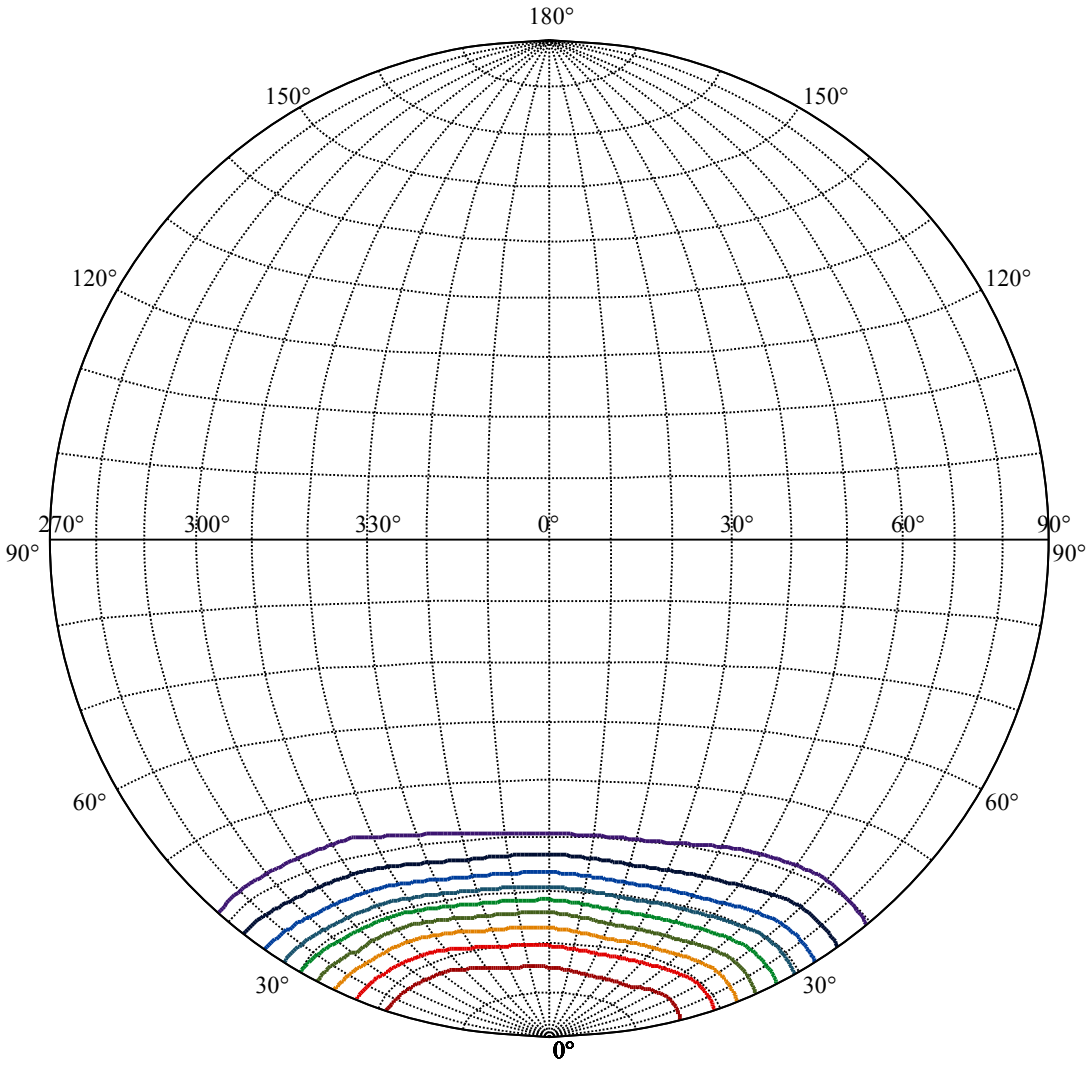


Equipment: GMS1980
Temperature(°C): 25.0

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

Operator: NT07
Distance(m): 7.73

ISO candela diagram on circular web

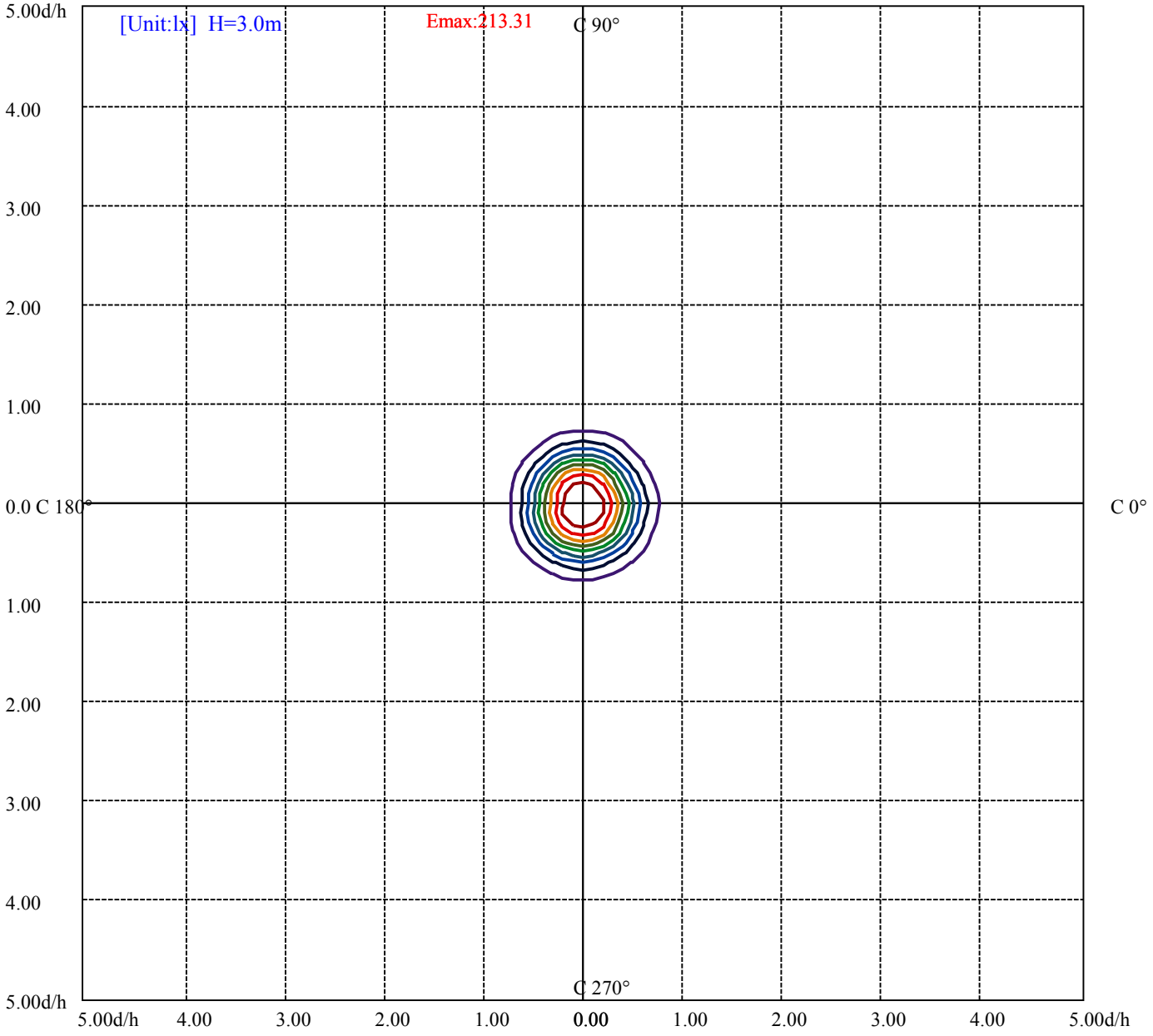


House [Unit:cd] Road

Imax:1951.53

(10%Imax) 195.153
(20%Imax) 390.306
(30%Imax) 585.459
(40%Imax) 780.612
(50%Imax) 975.765
(60%Imax) 1170.92
(70%Imax) 1366.07
(80%Imax) 1561.22
(90%Imax) 1756.38

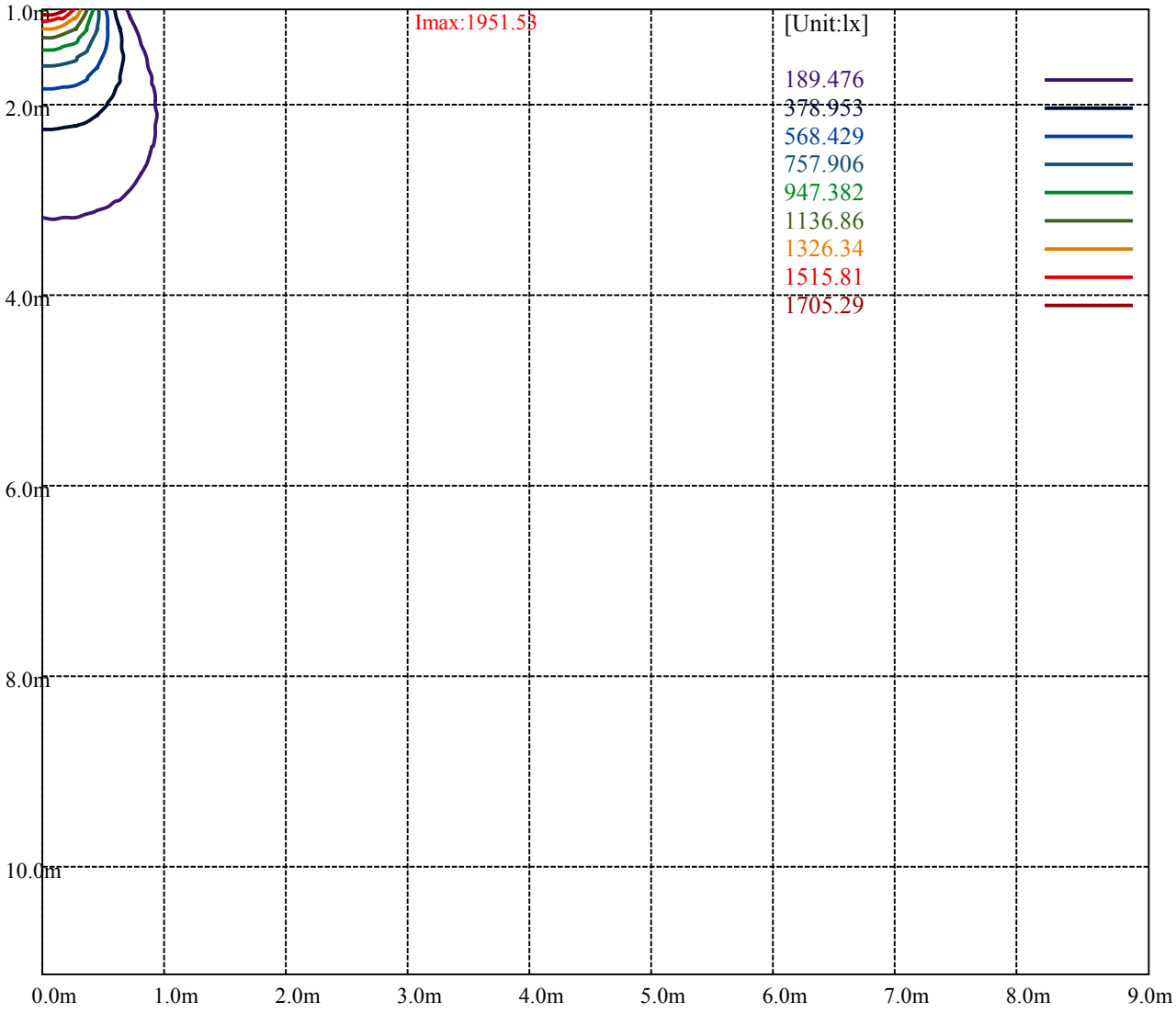
ISO illuminance diagram



(10%Emax) 21.33067
(20%Emax) 42.66145
(30%Emax) 63.99211
(40%Emax) 85.32278
(50%Emax) 106.6536
(60%Emax) 127.9844
(70%Emax) 149.3144
(80%Emax) 170.6456
(90%Emax) 191.9767

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

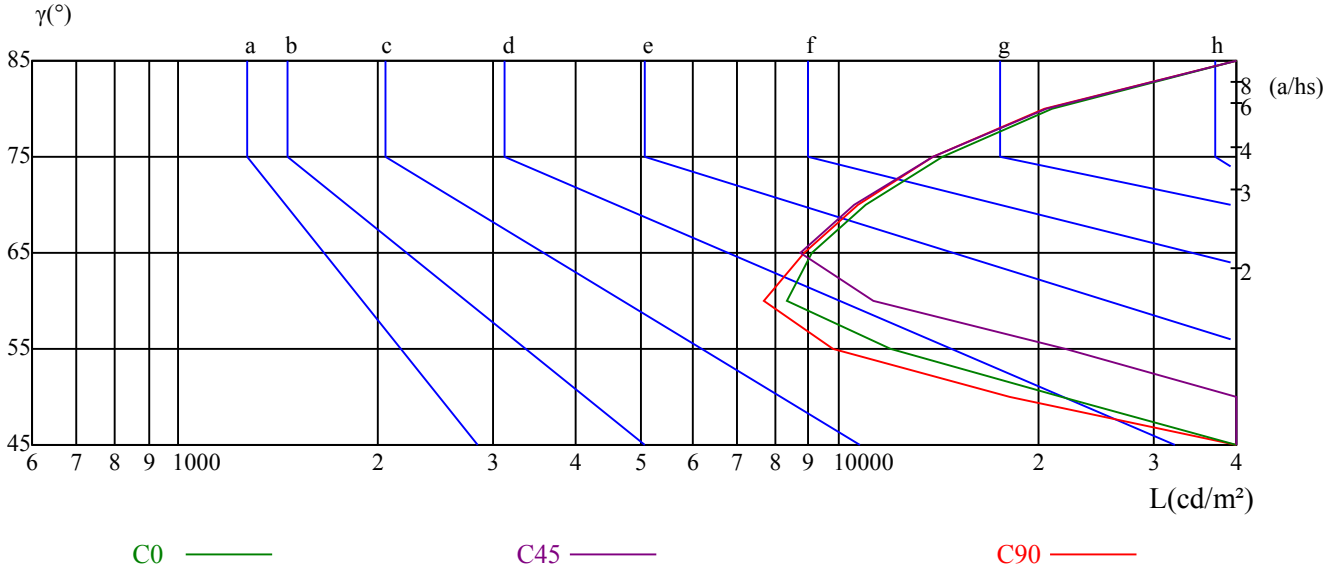
γ	45	50	55	60	65	70	75	80	85
C0	52877	21769	12001	8338	9100	10960	14359	21030	41528
C45	97574	49169	22086	11311	8717	10583	13860	20657	40416
C90	42229	18149	9803	7691	8870	10677	13860	20471	40416

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
8985	8908	9195	14234	13922	14047	41343	40787	40787

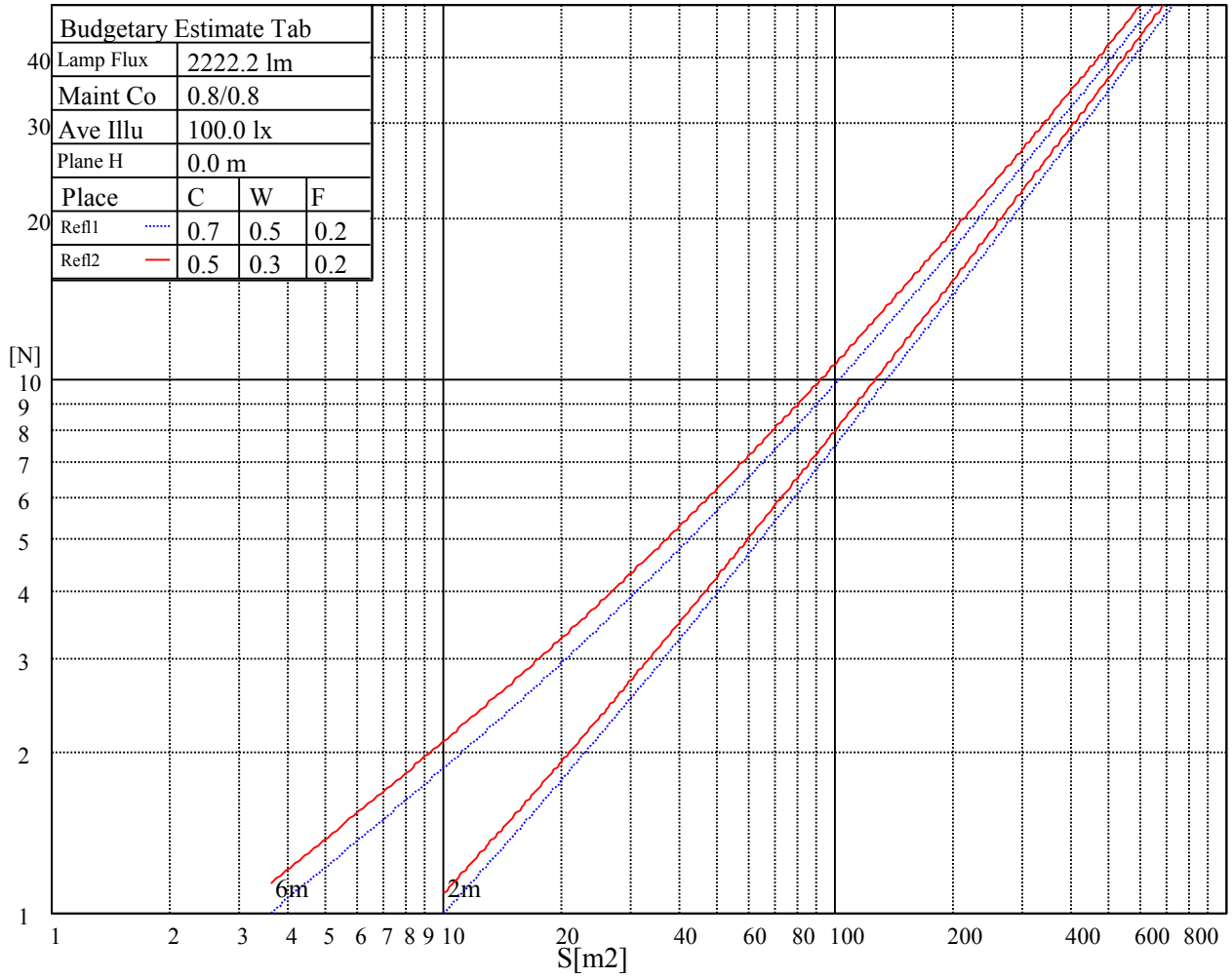
Glare Table

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

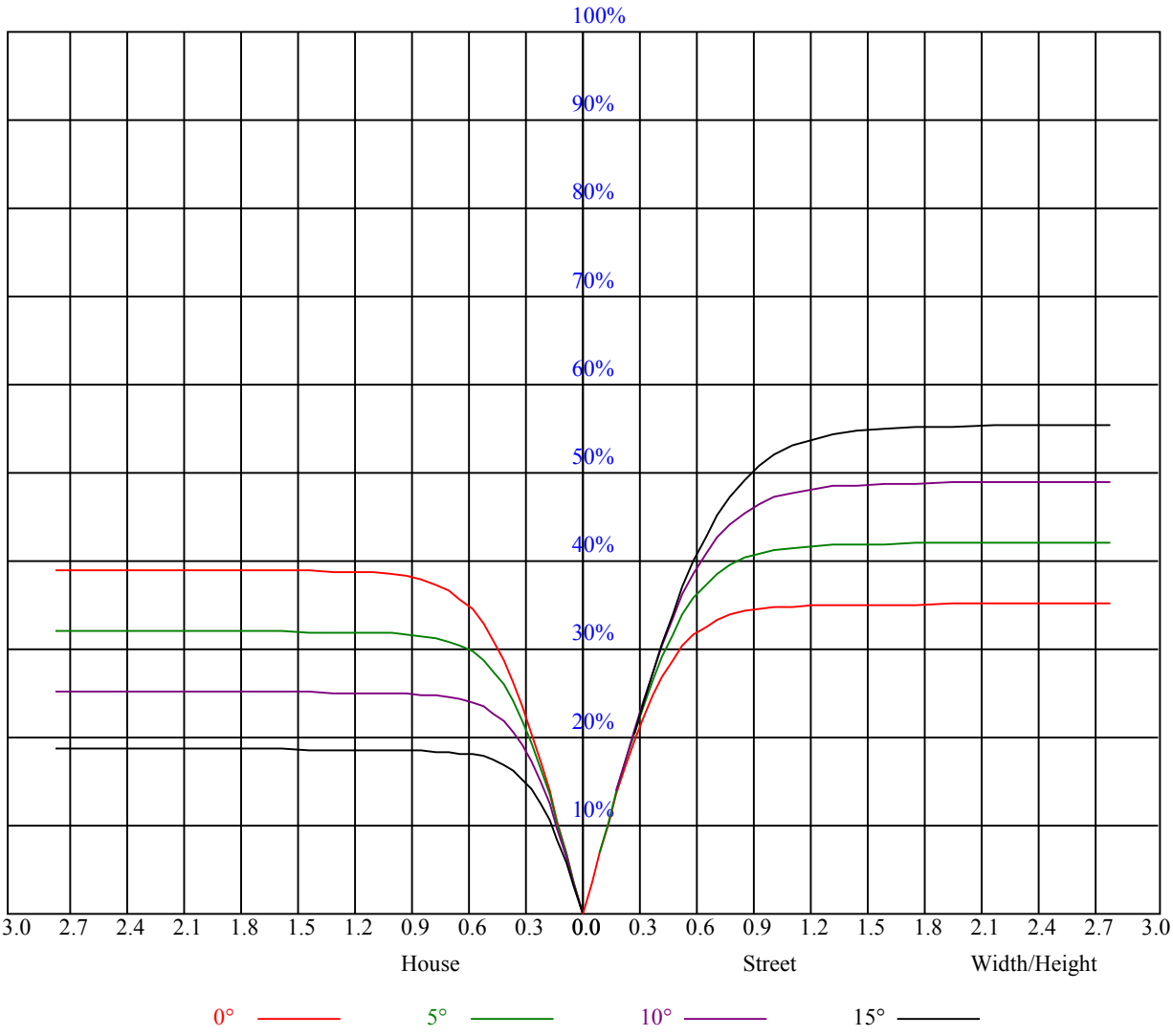


Equipment: GMS1980 Date: 2022/6/27 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 65.0% Distance(m): 7.73

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	0.89	0.89	0.89	0.87	0.87	0.87	0.83	0.83	0.83	0.79	0.79	0.79	0.76	0.76	0.76	0.75
1	0.83	0.81	0.79	0.81	0.79	0.78	0.78	0.77	0.75	0.75	0.74	0.73	0.73	0.72	0.71	0.70
2	0.77	0.74	0.71	0.76	0.73	0.71	0.73	0.71	0.69	0.71	0.69	0.68	0.69	0.67	0.66	0.65
3	0.72	0.68	0.65	0.71	0.67	0.65	0.69	0.66	0.64	0.67	0.65	0.63	0.65	0.63	0.62	0.61
4	0.67	0.63	0.60	0.66	0.63	0.60	0.65	0.62	0.59	0.63	0.61	0.58	0.62	0.60	0.58	0.57
5	0.63	0.59	0.56	0.62	0.58	0.55	0.61	0.58	0.55	0.60	0.57	0.54	0.59	0.56	0.54	0.53
6	0.59	0.55	0.52	0.59	0.55	0.52	0.58	0.54	0.51	0.57	0.53	0.51	0.56	0.53	0.51	0.50
7	0.56	0.52	0.48	0.55	0.51	0.48	0.54	0.51	0.48	0.54	0.50	0.48	0.53	0.50	0.48	0.46
8	0.53	0.48	0.45	0.52	0.48	0.45	0.52	0.48	0.45	0.51	0.47	0.45	0.50	0.47	0.45	0.44
9	0.50	0.46	0.43	0.50	0.45	0.43	0.49	0.45	0.42	0.48	0.45	0.42	0.48	0.44	0.42	0.41
10	0.47	0.43	0.40	0.47	0.43	0.40	0.46	0.43	0.40	0.46	0.42	0.40	0.45	0.42	0.40	0.39

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	1894.76	1899.54	1903.73	1906.12	1907.31	1904.32	1899.54	1894.17	1888.79
22.5	1913.29	1912.09	1905.52	1900.14	1898.35	1899.54	1897.75	1892.97	1884.61
45.0	1919.26	1915.08	1906.12	1902.53	1905.52	1903.73	1892.97	1881.62	1870.27
67.5	1936.59	1932.41	1928.82	1927.03	1924.04	1921.06	1915.68	1910.90	1906.72
90.0	1933.60	1927.63	1926.43	1924.64	1924.04	1924.04	1923.45	1918.07	1913.29
112.5	1933.60	1933.60	1932.41	1930.62	1932.41	1931.21	1929.42	1928.82	1924.64
135.0	1925.84	1925.84	1926.43	1933.60	1938.98	1943.16	1942.57	1939.58	1929.42
157.5	1912.69	1912.69	1915.68	1920.46	1925.24	1925.84	1921.65	1912.09	1899.54
180.0	1894.76	1892.37	1891.18	1892.97	1894.76	1896.56	1894.76	1888.19	1880.42
202.5	1913.29	1911.50	1915.08	1916.87	1917.47	1917.47	1919.86	1918.67	1913.89
225.0	1919.26	1922.25	1928.23	1931.81	1931.21	1927.63	1925.84	1923.45	1920.46
247.5	1936.59	1937.79	1941.97	1943.16	1943.16	1942.57	1938.98	1932.41	1928.82
270.0	1933.60	1938.98	1943.76	1949.14	1951.53	1950.33	1947.94	1944.36	1940.77
292.5	1933.60	1934.20	1935.40	1935.99	1937.19	1936.59	1935.99	1934.80	1931.81
315.0	1925.84	1924.04	1923.45	1925.24	1924.64	1919.86	1912.09	1912.09	1912.09
337.5	1912.69	1914.48	1916.28	1919.26	1922.25	1925.84	1930.02	1930.02	1924.04
360.0	1894.76	1899.54	1903.73	1906.12	1907.31	1904.32	1899.54	1894.17	1888.79

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	1879.23	1871.46	1860.71	1845.77	1824.26	1800.35	1768.09	1724.47	1683.84
22.5	1867.88	1849.95	1832.02	1810.51	1784.82	1760.32	1725.07	1689.21	1640.81
45.0	1858.91	1843.38	1824.85	1805.73	1782.43	1757.33	1730.44	1696.38	1645.59
67.5	1899.54	1887.59	1873.85	1857.72	1831.43	1807.53	1780.04	1742.99	1698.77
90.0	1904.32	1887.59	1873.85	1854.73	1826.05	1799.16	1766.89	1728.05	1682.04
112.5	1918.07	1908.51	1892.97	1875.05	1850.55	1822.46	1793.78	1759.72	1713.71
135.0	1918.67	1898.95	1881.02	1859.51	1828.44	1799.16	1767.49	1728.05	1682.04
157.5	1888.79	1872.66	1853.53	1831.43	1799.16	1766.30	1735.22	1695.79	1650.38
180.0	1867.88	1847.56	1828.44	1802.74	1767.49	1729.85	1692.80	1652.17	1612.13
202.5	1908.51	1900.74	1895.36	1884.01	1861.90	1835.61	1809.92	1775.86	1739.41
225.0	1914.48	1908.51	1899.54	1889.98	1873.85	1855.33	1837.40	1815.29	1782.43
247.5	1923.45	1919.86	1915.08	1909.11	1901.34	1891.18	1870.86	1852.34	1820.67
270.0	1934.20	1928.23	1920.46	1911.50	1900.74	1889.98	1872.66	1854.13	1827.84
292.5	1927.63	1920.46	1912.69	1903.13	1891.18	1876.24	1858.91	1836.80	1802.74
315.0	1907.31	1905.52	1900.74	1892.37	1875.05	1858.32	1838.00	1813.50	1780.04
337.5	1915.08	1906.72	1892.37	1871.46	1847.56	1817.68	1783.62	1748.37	1709.53
360.0	1879.23	1871.46	1860.71	1845.77	1824.26	1800.35	1768.09	1724.47	1683.84

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1634.84	1591.22	1540.43	1486.65	1435.26	1374.91	1309.78	1246.45	1178.92
22.5	1586.44	1535.05	1472.31	1405.99	1343.84	1280.50	1198.05	1127.54	1060.02
45.0	1597.79	1547.00	1477.09	1416.74	1353.40	1270.35	1188.96	1127.54	1056.19
67.5	1654.56	1600.78	1539.23	1479.48	1405.99	1338.46	1257.80	1177.13	1105.43
90.0	1637.23	1579.27	1521.91	1449.61	1373.72	1302.61	1187.89	1141.88	1058.82
112.5	1670.09	1622.89	1557.16	1496.81	1430.48	1352.21	1268.55	1202.83	1109.01
135.0	1636.03	1578.07	1520.11	1450.20	1373.72	1302.02	1187.89	1132.44	1059.18
157.5	1608.55	1561.34	1496.21	1438.85	1380.89	1305.00	1244.06	1174.14	1094.67
180.0	1564.93	1512.35	1460.96	1396.43	1331.29	1269.15	1192.01	1116.84	1046.81
202.5	1704.15	1656.95	1609.15	1551.19	1488.44	1426.30	1348.03	1267.36	1185.98
225.0	1750.76	1715.51	1664.72	1619.30	1570.31	1511.75	1445.42	1382.08	1301.42
247.5	1779.44	1745.38	1701.76	1635.44	1588.23	1527.88	1434.67	1370.73	1292.46
270.0	1793.18	1757.93	1709.53	1655.75	1603.77	1546.41	1468.73	1400.61	1325.92
292.5	1768.09	1727.46	1682.64	1619.30	1561.94	1498.01	1409.57	1333.68	1180.66
315.0	1744.19	1698.77	1650.38	1601.38	1539.23	1479.48	1414.95	1330.10	1257.80
337.5	1656.95	1612.13	1566.12	1503.38	1449.61	1391.65	1322.93	1185.98	1177.01
360.0	1634.84	1591.22	1540.43	1486.65	1435.26	1374.91	1309.78	1246.45	1178.92

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	1088.70	1014.01	939.91	866.42	777.39	706.28	638.76	559.29	499.53
22.5	978.15	899.88	824.59	744.52	668.04	608.88	531.80	475.63	417.08
45.0	975.41	892.53	817.96	737.23	659.79	586.36	525.47	469.84	412.95
67.5	1031.34	942.90	865.22	792.32	704.49	645.33	574.23	509.69	447.55
90.0	985.74	902.33	818.67	746.91	677.18	594.18	532.52	473.90	405.48
112.5	1033.13	951.86	864.03	787.54	706.88	638.76	567.06	509.09	438.59
135.0	985.74	893.54	819.45	746.13	666.19	590.90	528.87	465.24	408.29
157.5	1009.82	936.33	849.09	773.20	694.93	620.83	549.73	485.19	418.87
180.0	975.23	879.74	803.20	729.22	648.68	569.92	504.85	431.65	385.23
202.5	1124.91	1032.89	958.97	883.03	805.77	711.78	639.24	561.80	489.79
225.0	1223.74	1132.91	1040.90	959.03	868.81	780.97	706.28	635.17	553.31
247.5	1184.84	1100.17	1016.28	933.16	842.04	753.78	679.03	599.26	525.23
270.0	1235.09	1141.28	1057.03	964.41	872.99	794.12	708.07	636.37	561.08
292.5	1160.94	1068.26	988.55	900.54	823.39	738.73	656.86	587.73	515.67
315.0	1180.72	1080.33	1001.46	923.78	828.18	754.68	682.98	606.49	534.19
337.5	1094.08	1016.64	932.26	848.79	774.94	694.03	616.89	550.03	487.11
360.0	1088.70	1014.01	939.91	866.42	777.39	706.28	638.76	559.29	499.53

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	443.96	387.80	332.23	306.53	222.82	180.15	143.83	107.91	85.86
22.5	367.48	324.46	304.74	241.76	199.22	164.44	130.92	103.61	84.13
45.0	362.70	323.44	288.55	250.25	223.71	200.17	177.53	158.05	143.17
67.5	397.95	347.16	305.93	262.67	226.16	196.35	165.22	136.77	114.43
90.0	355.11	308.68	261.00	214.63	176.63	139.88	112.75	87.66	68.24
112.5	390.19	343.58	302.95	255.14	223.00	187.98	156.25	130.86	106.18
135.0	363.00	317.41	282.03	247.68	217.92	195.33	175.49	154.22	139.16
157.5	369.87	331.63	301.75	238.35	202.26	165.69	134.15	110.48	88.43
180.0	323.56	257.12	215.05	168.03	125.30	102.24	81.32	62.14	50.97
202.5	431.77	374.53	329.54	279.52	236.74	194.08	160.68	128.11	102.18
225.0	491.77	435.00	377.04	328.04	303.54	255.50	221.26	197.72	175.14
247.5	465.42	405.78	357.74	308.56	266.38	233.10	202.38	168.20	143.71
270.0	488.78	429.03	374.05	310.72	304.14	221.26	176.39	145.38	119.09
292.5	450.66	398.91	352.42	300.08	263.45	229.99	195.27	163.90	138.87
315.0	475.04	415.28	368.08	321.47	303.54	249.83	221.15	196.59	177.59
337.5	416.54	368.38	325.77	278.69	244.03	210.33	175.08	142.93	118.43
360.0	443.96	387.80	332.23	306.53	222.82	180.15	143.83	107.91	85.86

C/γ(°)	45.0	46.0	47.0	48.0	49.0	50.0	51.0	52.0	53.0
0.0	69.13	53.48	44.16	36.93	30.12	25.87	22.35	19.18	16.61
22.5	68.84	54.20	45.23	38.12	31.37	26.77	23.18	19.60	16.85
45.0	127.57	111.98	98.23	83.47	71.11	58.44	47.38	39.91	33.58
67.5	95.07	74.81	61.55	50.91	41.65	34.24	28.80	24.02	20.08
90.0	55.21	44.10	35.97	30.35	25.93	21.57	18.58	16.19	13.80
112.5	87.36	69.85	56.05	46.37	38.78	31.37	26.71	22.83	18.94
135.0	125.72	110.36	98.11	85.75	72.00	59.39	49.83	41.17	34.06
157.5	70.81	58.68	47.74	40.15	33.40	27.90	24.02	20.73	17.39
180.0	42.31	35.02	29.46	25.45	21.87	18.82	16.49	14.52	12.55
202.5	83.47	66.62	53.78	45.05	38.12	31.25	26.89	23.30	19.96
225.0	157.81	140.66	125.96	110.18	95.07	81.98	68.00	57.66	47.03
247.5	122.02	98.53	82.40	68.78	56.11	45.59	38.06	31.43	26.71
270.0	94.53	74.81	60.95	48.76	40.27	32.86	27.13	23.24	19.84
292.5	114.19	92.80	76.72	62.02	51.57	41.89	34.24	29.10	24.80
315.0	160.50	141.85	128.89	117.12	103.19	88.31	75.17	61.78	50.97
337.5	95.19	78.22	62.80	51.15	43.02	35.67	29.76	25.63	22.17
360.0	69.13	53.48	44.16	36.93	30.12	25.87	22.35	19.18	16.61

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	14.64	12.73	11.11	9.92	8.84	8.13	7.71	7.53	7.41
22.5	14.70	12.73	11.23	9.86	8.66	7.83	7.53	7.41	7.29
45.0	27.43	23.42	20.02	16.61	14.28	12.31	10.46	8.96	7.95
67.5	17.27	14.64	12.73	10.88	9.44	8.43	7.59	7.17	6.99
90.0	11.89	10.40	9.02	8.01	7.47	7.23	7.11	7.05	7.05
112.5	16.37	14.22	12.13	10.40	9.14	8.13	7.35	7.17	7.05
135.0	28.92	24.26	20.73	17.39	14.58	12.49	10.64	8.84	7.83
157.5	15.18	13.32	11.29	10.10	8.96	8.13	7.71	7.53	7.41
180.0	10.99	9.80	8.66	8.07	7.65	7.29	7.11	7.05	6.99
202.5	17.09	14.94	12.85	11.17	9.86	8.60	8.01	7.53	7.35
225.0	39.86	33.94	28.92	23.78	20.26	17.27	14.22	12.25	10.58
247.5	22.29	18.70	16.07	13.56	11.47	9.98	8.78	7.89	7.29
270.0	16.91	14.70	12.73	10.70	9.38	8.43	7.65	7.35	7.17
292.5	20.50	17.69	15.30	12.73	11.05	9.62	8.54	7.77	7.35
315.0	42.96	35.55	30.12	25.22	21.09	17.99	15.06	12.61	10.93
337.5	18.64	16.31	14.28	12.13	10.76	9.62	8.48	8.01	7.89
360.0	14.64	12.73	11.11	9.92	8.84	8.13	7.71	7.53	7.41

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	7.29	7.17	7.11	7.05	7.05	6.99	6.99	6.93	6.93
22.5	7.17	7.17	7.17	7.11	7.05	7.05	6.99	6.99	6.93
45.0	7.23	6.93	6.81	6.75	6.69	6.69	6.69	6.69	6.63
67.5	6.93	6.87	6.87	6.81	6.81	6.81	6.75	6.75	6.75
90.0	6.99	6.99	6.93	6.93	6.93	6.87	6.81	6.75	6.75
112.5	6.99	6.93	6.87	6.87	6.81	6.81	6.81	6.75	6.81
135.0	7.23	6.93	6.81	6.81	6.81	6.75	6.75	6.75	6.75
157.5	7.35	7.29	7.29	7.29	7.23	7.17	7.05	6.99	6.87
180.0	6.99	6.93	6.93	6.87	6.87	6.87	6.81	6.81	6.81
202.5	7.29	7.29	7.23	7.23	7.17	7.11	7.05	6.99	6.93
225.0	9.14	8.07	7.47	7.11	6.99	6.99	6.93	6.87	6.81
247.5	7.11	6.99	6.93	6.87	6.81	6.81	6.81	6.75	6.75
270.0	7.11	7.05	6.99	6.99	6.93	6.93	6.93	6.93	6.87
292.5	7.17	7.05	6.99	6.93	6.87	6.87	6.87	6.87	6.81
315.0	9.56	8.31	7.65	7.29	7.17	7.05	7.05	6.93	6.93
337.5	7.71	7.59	7.47	7.41	7.35	7.23	7.05	6.99	6.93
360.0	7.29	7.17	7.11	7.05	7.05	6.99	6.99	6.93	6.93

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	6.87	6.87	6.87	6.87	6.87	6.87	6.81	6.75	6.75
22.5	6.87	6.75	6.75	6.75	6.69	6.69	6.69	6.69	6.69
45.0	6.69	6.69	6.63	6.63	6.63	6.63	6.63	6.63	6.63
67.5	6.69	6.69	6.69	6.69	6.69	6.63	6.63	6.63	6.63
90.0	6.69	6.69	6.69	6.63	6.63	6.63	6.63	6.57	6.57
112.5	6.75	6.75	6.69	6.69	6.69	6.69	6.63	6.63	6.63
135.0	6.69	6.69	6.69	6.69	6.69	6.69	6.69	6.63	6.63
157.5	6.81	6.81	6.75	6.75	6.75	6.75	6.75	6.75	6.75
180.0	6.81	6.81	6.75	6.75	6.75	6.75	6.75	6.69	6.69
202.5	6.81	6.81	6.75	6.75	6.75	6.75	6.75	6.69	6.69
225.0	6.81	6.81	6.81	6.75	6.75	6.69	6.69	6.63	6.69
247.5	6.75	6.69	6.69	6.69	6.69	6.63	6.63	6.63	6.63
270.0	6.81	6.75	6.75	6.69	6.69	6.69	6.69	6.69	6.63
292.5	6.81	6.75	6.75	6.75	6.75	6.69	6.69	6.69	6.63
315.0	6.87	6.87	6.87	6.81	6.81	6.81	6.81	6.75	6.75
337.5	6.87	6.87	6.87	6.87	6.81	6.81	6.81	6.81	6.75
360.0	6.87	6.87	6.87	6.87	6.87	6.87	6.81	6.75	6.75

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	6.75	6.75	6.75	6.75	6.69	6.63	6.63	6.63	6.63
22.5	6.69	6.63	6.63	6.57	6.57	6.57	6.57	6.57	6.57
45.0	6.57	6.57	6.51	6.51	6.51	6.51	6.51	6.51	6.57
67.5	6.57	6.57	6.57	6.57	6.57	6.57	6.57	6.51	6.57
90.0	6.57	6.57	6.57	6.57	6.51	6.57	6.57	6.57	6.57
112.5	6.63	6.57	6.63	6.57	6.57	6.57	6.57	6.57	6.57
135.0	6.63	6.57	6.57	6.57	6.57	6.57	6.57	6.57	6.57
157.5	6.69	6.69	6.69	6.63	6.63	6.57	6.63	6.63	6.63
180.0	6.69	6.69	6.69	6.69	6.63	6.63	6.57	6.63	6.63
202.5	6.69	6.69	6.63	6.63	6.63	6.57	6.57	6.57	6.57
225.0	6.63	6.63	6.63	6.63	6.57	6.57	6.57	6.51	6.51
247.5	6.57	6.57	6.57	6.57	6.57	6.57	6.57	6.51	6.51
270.0	6.63	6.63	6.63	6.57	6.63	6.57	6.57	6.57	6.57
292.5	6.63	6.63	6.57	6.63	6.57	6.57	6.57	6.57	6.57
315.0	6.69	6.69	6.69	6.69	6.63	6.63	6.57	6.57	6.57
337.5	6.75	6.75	6.69	6.69	6.63	6.63	6.63	6.63	6.57
360.0	6.75	6.75	6.75	6.75	6.69	6.63	6.63	6.63	6.63

C/γ(°)	90.0
0.0	6.63
22.5	6.57
45.0	6.57
67.5	6.57
90.0	6.57
112.5	6.57
135.0	6.63
157.5	6.63
180.0	6.57
202.5	6.57
225.0	6.51
247.5	6.51
270.0	6.57
292.5	6.57
315.0	6.57
337.5	6.57
360.0	6.63