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

Nata

LumCAT: 6-0845-M
Luminaire: LM07126060EM

Report No: 220627-B009	Voltage(V): 40.2000
Test No: 220627-C009	Current(A): 0.3500
LampCAT: LUMILEDS 5050	Power (W): 14.0700
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): 1828.72
Efficiency(%): 82.29%
Lumens(lm)/Power(W): 129.97
Central intensity(cd): 2006.502
Maximum intensity(cd): 2051.915
Angle of maximum intensity: C=270.0 γ=1.0
Beam Angle(50%Imax): [C0/180]Total=55.5
[C90/270]Total=56.7
Field angle(10%Imax): [C0/180]Total=80.5
[C90/270]Total=82.9
Maximum s/h(1/2): C0_180=0.84 C90_270=0.88
Maximum s/h(1/4): C0_180=0.80 C90_270=0.82
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 82.29%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 97.525%

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

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	2028.312	0.000	0	.000%	.000%
1.0	2028.088	1.941	1.941	.087%	.106%
2.0	2027.192	5.821	7.761	.262%	.424%
3.0	2026.146	9.694	17.456	.436%	.955%
4.0	2025.138	13.561	31.017	.610%	1.696%
5.0	2024.316	17.421	48.437	.784%	2.649%
6.0	2023.233	21.271	69.708	.957%	3.812%
7.0	2021.254	25.104	94.812	1.130%	5.185%
8.0	2017.295	28.903	123.715	1.301%	6.765%
9.0	2010.424	32.642	156.358	1.469%	8.550%
10.0	1999.369	36.287	192.645	1.633%	10.534%
11.0	1984.842	39.810	232.455	1.792%	12.711%
12.0	1966.767	43.197	275.652	1.944%	15.074%
13.0	1943.015	46.399	322.051	2.088%	17.611%
14.0	1914.558	49.377	371.428	2.222%	20.311%
15.0	1882.328	52.125	423.553	2.346%	23.161%
16.0	1844.161	54.604	478.157	2.457%	26.147%
17.0	1801.849	56.778	534.935	2.555%	29.252%
18.0	1753.113	58.614	593.549	2.638%	32.457%
19.0	1703.107	60.131	653.68	2.706%	35.745%
20.0	1643.429	61.251	714.931	2.756%	39.095%
21.0	1578.410	61.866	776.796	2.784%	42.478%
22.0	1513.242	62.128	838.925	2.796%	45.875%
23.0	1438.028	61.926	900.85	2.787%	49.261%
24.0	1356.820	61.105	961.956	2.750%	52.603%
25.0	1274.414	59.829	1021.784	2.692%	55.874%
26.0	1195.562	58.304	1080.088	2.624%	59.063%
27.0	1112.898	56.477	1136.565	2.542%	62.151%
28.0	1029.255	54.235	1190.8	2.441%	65.117%
29.0	943.812	51.621	1242.421	2.323%	67.939%
30.0	863.945	48.809	1291.23	2.196%	70.608%
31.0	781.912	45.802	1337.032	2.061%	73.113%
32.0	706.742	42.648	1379.68	1.919%	75.445%
33.0	635.293	39.537	1419.217	1.779%	77.607%
34.0	567.141	36.389	1455.606	1.638%	79.597%
35.0	507.627	33.378	1488.984	1.502%	81.422%
36.0	450.234	30.498	1519.483	1.372%	83.090%
37.0	401.091	27.765	1547.248	1.249%	84.608%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	353.513	25.188	1572.436	1.133%	85.986%
39.0	313.975	22.783	1595.219	1.025%	87.232%
40.0	271.338	20.414	1615.633	.919%	88.348%
41.0	240.673	18.232	1633.865	.820%	89.345%
42.0	207.731	16.291	1650.157	.733%	90.236%
43.0	181.585	14.421	1664.578	.649%	91.024%
44.0	161.000	12.930	1677.508	.582%	91.731%
45.0	142.432	11.661	1689.169	.525%	92.369%
46.0	127.259	10.547	1699.716	.475%	92.946%
47.0	114.016	9.596	1709.313	.432%	93.471%
48.0	102.898	8.769	1718.081	.395%	93.950%
49.0	92.863	8.039	1726.12	.362%	94.390%
50.0	83.968	7.373	1733.493	.332%	94.793%
51.0	76.570	6.792	1740.285	.306%	95.164%
52.0	70.154	6.296	1746.581	.283%	95.509%
53.0	64.264	5.847	1752.428	.263%	95.828%
54.0	58.995	5.433	1757.861	.244%	96.125%
55.0	54.547	5.068	1762.93	.228%	96.402%
56.0	50.342	4.740	1767.669	.213%	96.662%
57.0	46.312	4.419	1772.088	.199%	96.903%
58.0	42.324	4.099	1776.187	.184%	97.127%
59.0	38.757	3.791	1779.978	.171%	97.335%
60.0	34.754	3.473	1783.451	.156%	97.525%
61.0	31.370	3.156	1786.606	.142%	97.697%
62.0	28.849	2.902	1789.508	.131%	97.856%
63.0	26.698	2.702	1792.21	.122%	98.004%
64.0	24.794	2.527	1794.736	.114%	98.142%
65.0	23.158	2.373	1797.109	.107%	98.272%
66.0	21.716	2.239	1799.348	.101%	98.394%
67.0	20.342	2.115	1801.463	.095%	98.510%
68.0	19.080	1.997	1803.46	.090%	98.619%
69.0	17.870	1.885	1805.345	.085%	98.722%
70.0	16.787	1.780	1807.125	.080%	98.819%
71.0	15.689	1.679	1808.804	.076%	98.911%
72.0	14.681	1.579	1810.383	.071%	98.997%
73.0	13.795	1.489	1811.872	.067%	99.079%
74.0	12.955	1.406	1813.278	.063%	99.156%
75.0	12.186	1.328	1814.606	.060%	99.228%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	11.510	1.258	1815.864	.057%	99.297%
77.0	10.920	1.196	1817.06	.054%	99.363%
78.0	10.322	1.137	1818.197	.051%	99.425%
79.0	9.788	1.081	1819.278	.049%	99.484%
80.0	9.269	1.027	1820.305	.046%	99.540%
81.0	8.821	0.978	1821.284	.044%	99.593%
82.0	8.410	0.934	1822.218	.042%	99.645%
83.0	8.040	0.894	1823.112	.040%	99.693%
84.0	7.701	0.858	1823.97	.039%	99.740%
85.0	7.387	0.823	1824.793	.037%	99.785%
86.0	7.223	0.799	1825.592	.036%	99.829%
87.0	7.137	0.786	1826.378	.035%	99.872%
88.0	7.092	0.779	1827.157	.035%	99.915%
89.0	7.107	0.778	1827.935	.035%	99.957%
90.0	7.163	0.782	1828.718	.035%	100.000%

Zonal flux distribution table

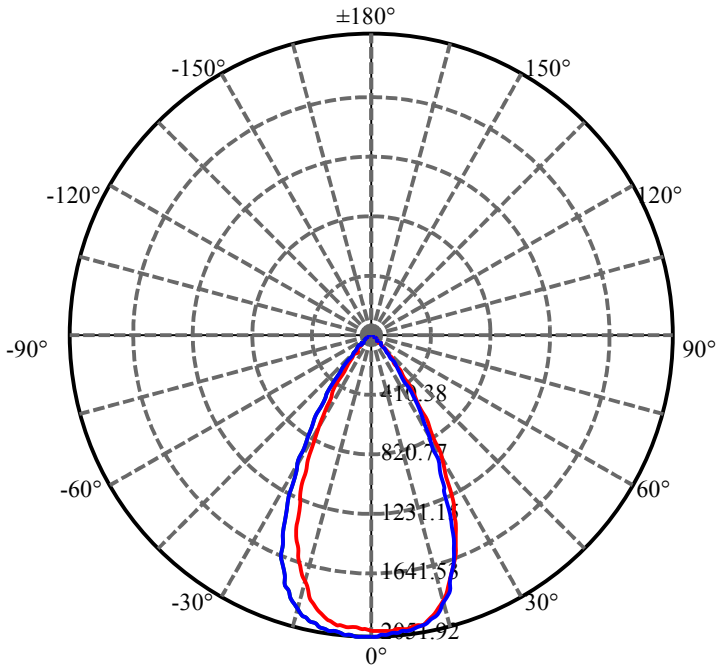
ZONAL LUMEN SUMMARY

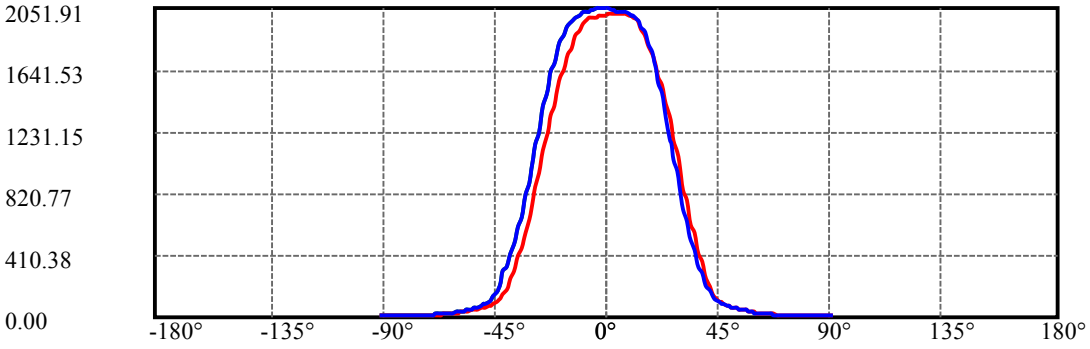
Zone	Lumens	%Lamp	%Fixt
0-30	1291.23	58.11%	70.61%
0-40	1615.63	72.70%	88.35%
0-60	1783.45	80.26%	97.52%
0-90	1827.94	82.26%	99.96%
0-120	1827.94	82.26%	99.96%
0-180	1828.72	82.29%	100.00%
60-90	47.96	2.16%	2.62%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-34.22	1462.97	65.84%	80.00%

ZONAL LUMEN SUMMARY

0-10	192.64
10-20	522.29
20-30	576.30
30-40	324.40
40-50	117.86
50-60	49.96
60-70	23.67
70-80	13.18
80-90	7.63
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):

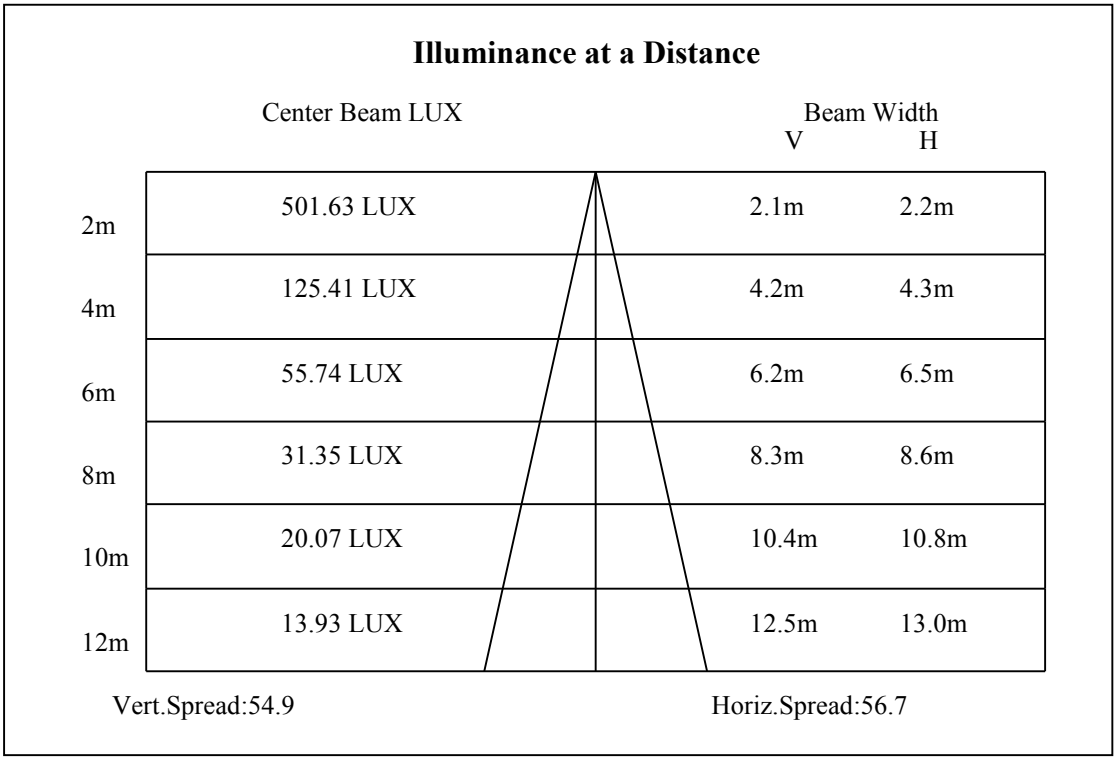
C0/C180:

C90/C270:

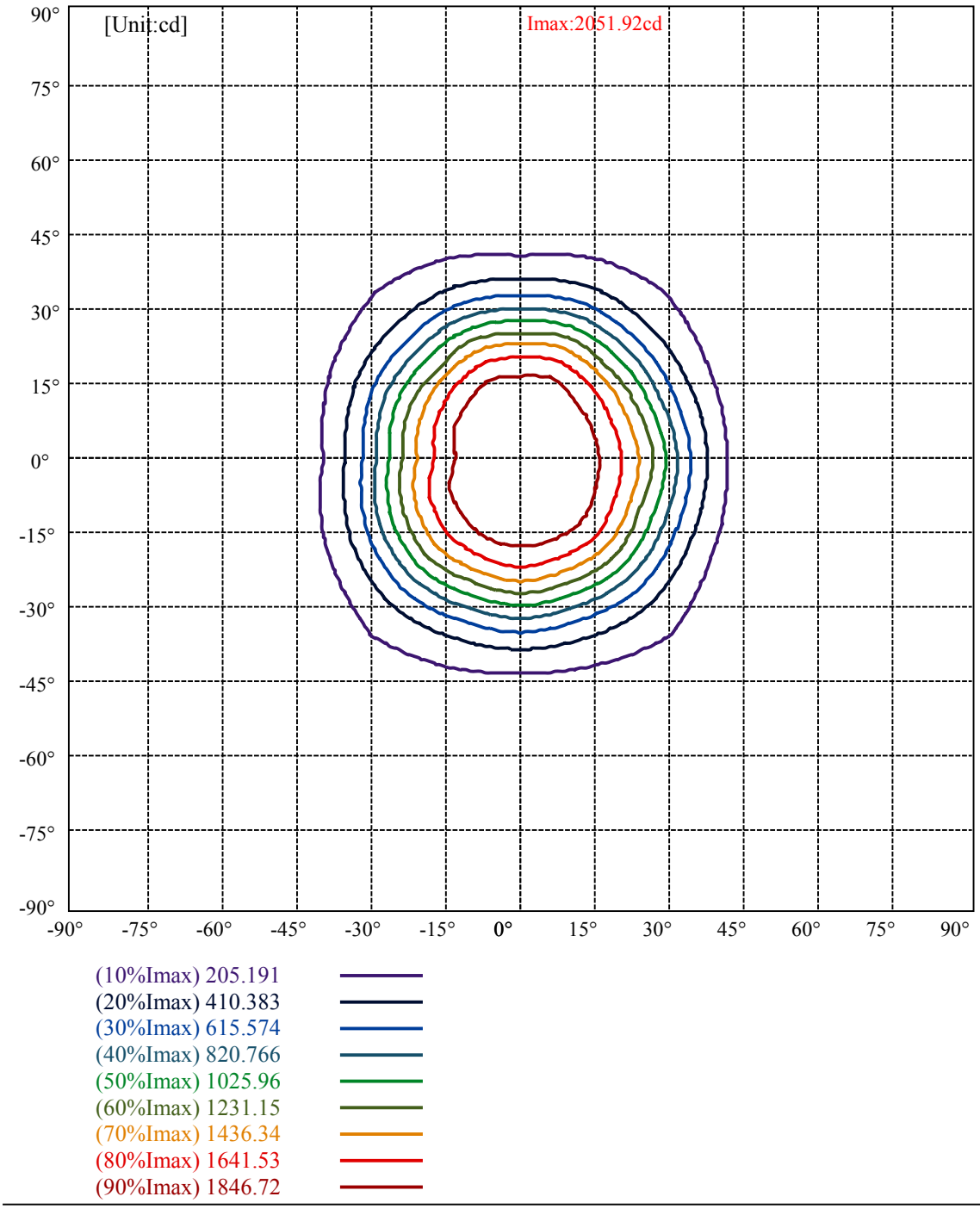
Field angle(10%Imax):C0/180Left:42.3 Right:38.2
:C90/270Left:41.8 Right:41.1

Beam Angle(50%Imax):C0/180Left:29.3 Right:26.2
:C90/270Left:28.4 Right:28.3

Lux distance Curve



ISO-Intensity(V-H)

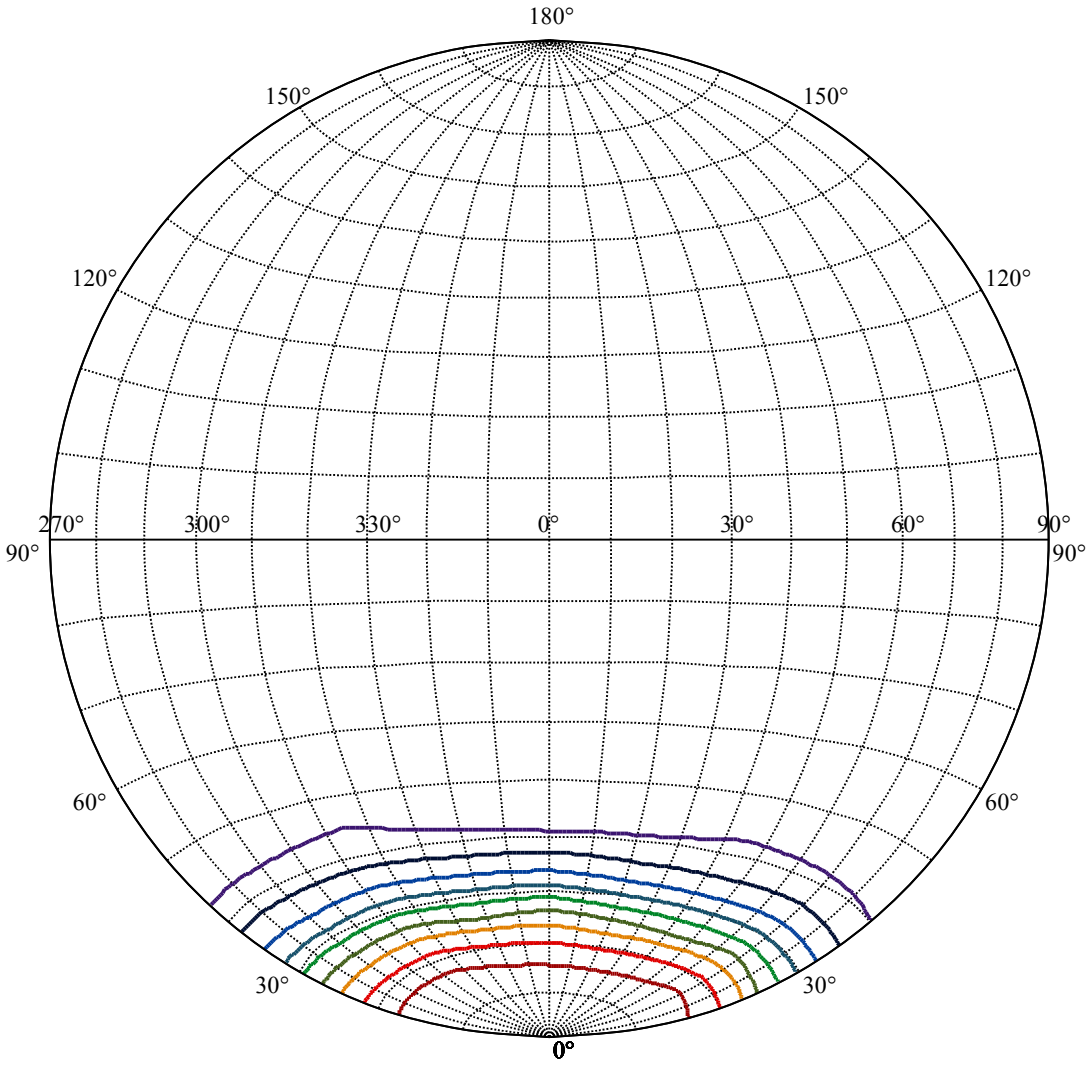


Equipment: GMS1980
Temperature(°C): 25.0

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

Operator: NT07
Distance(m): 7.73

ISO candela diagram on circular web



House [Unit:cd] Road

Imax:2051.92

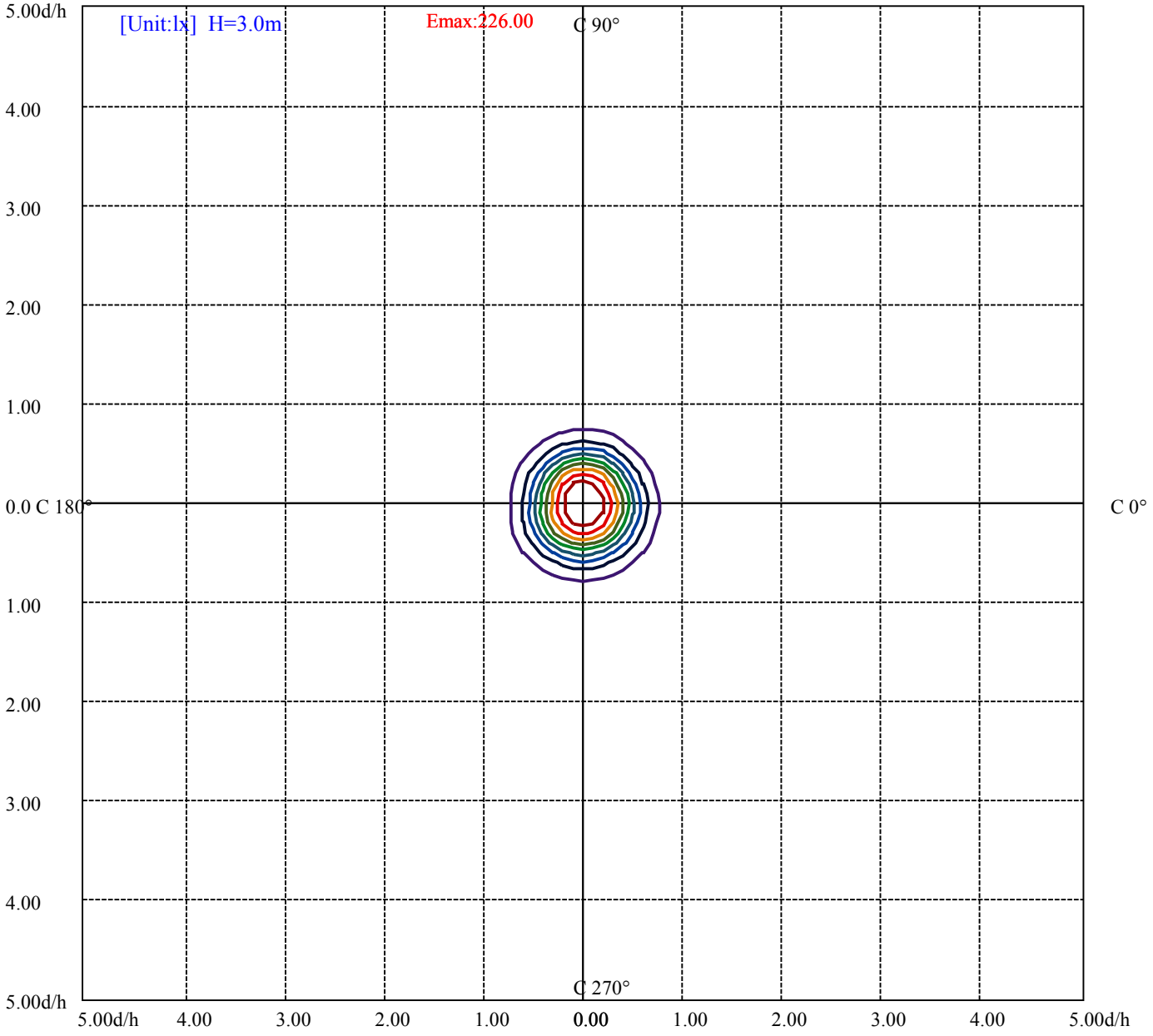
(10%Imax) 205.191
(20%Imax) 410.383
(30%Imax) 615.574
(40%Imax) 820.766
(50%Imax) 1025.96
(60%Imax) 1231.15
(70%Imax) 1436.34
(80%Imax) 1641.53
(90%Imax) 1846.72

Equipment: GMS1980
Temperature(°C): 25.0

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

Operator: NT07
Distance(m): 7.73

ISO illuminance diagram

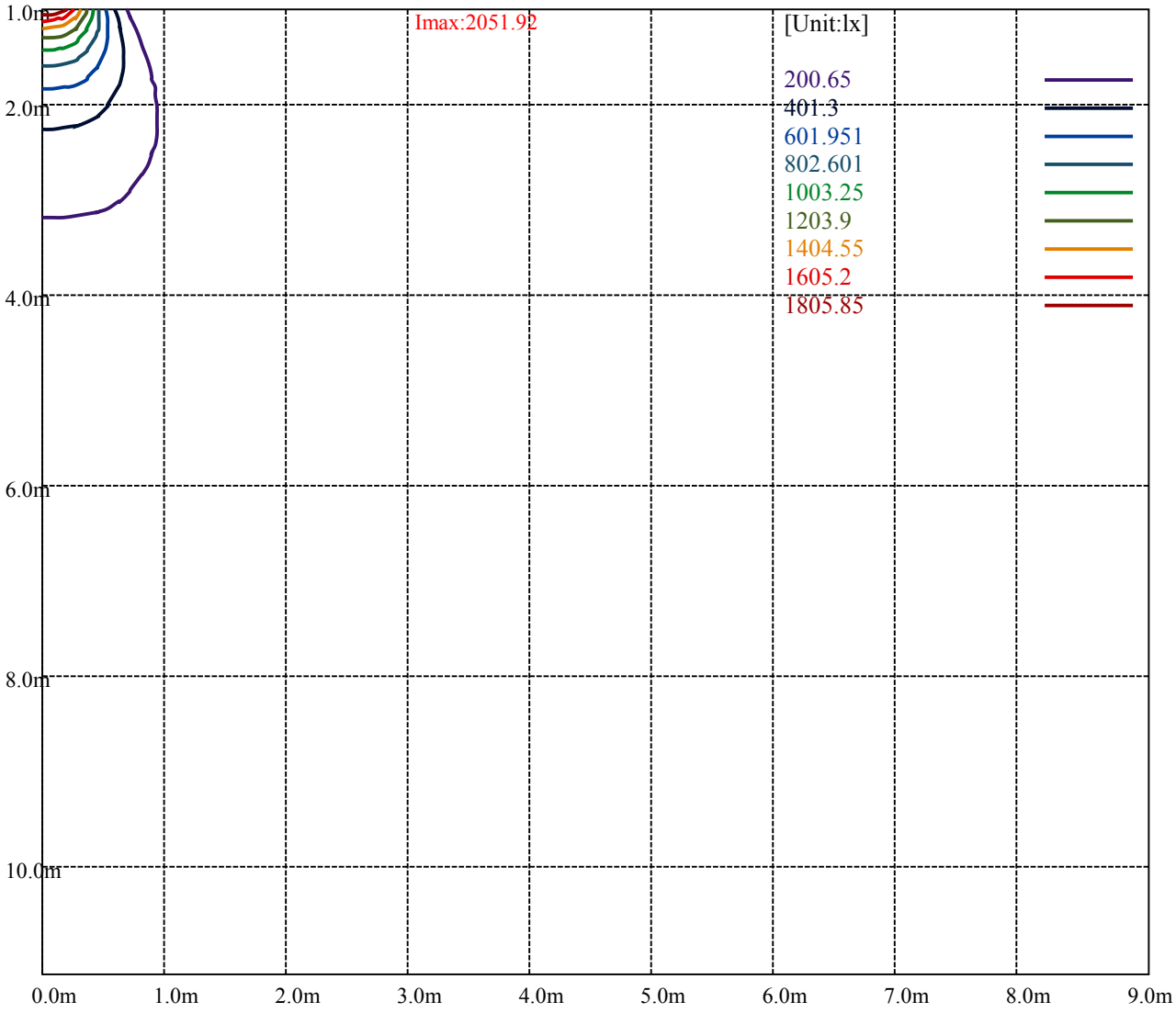


Equipment: GMS1980
Temperature(°C): 25.0

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

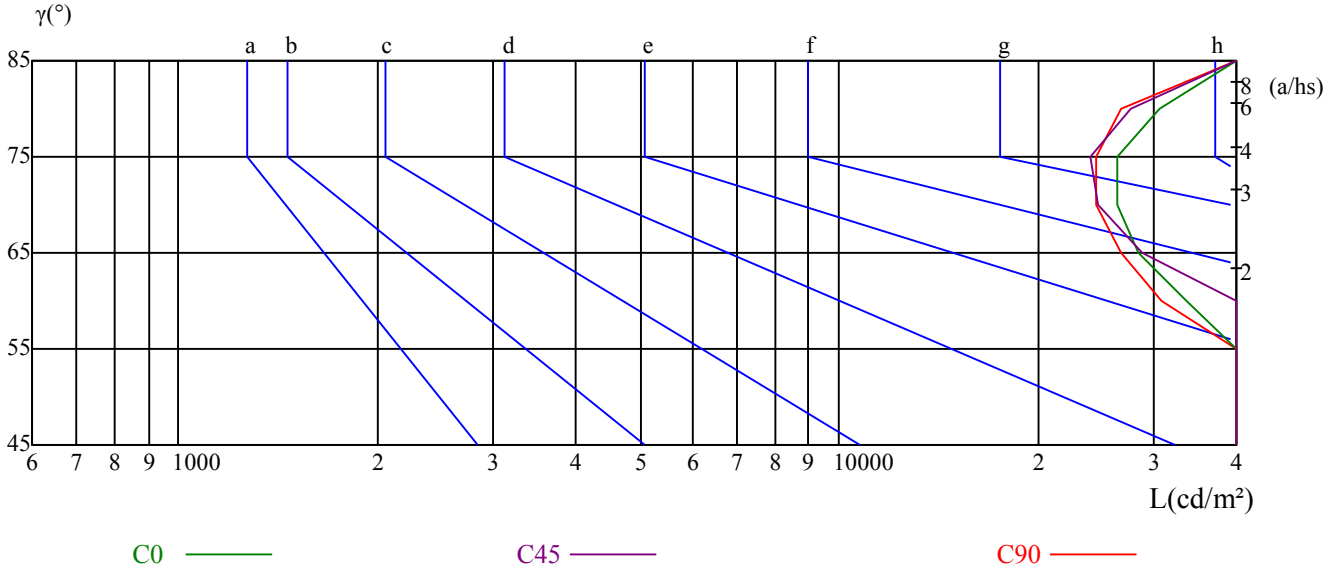
γ	45	50	55	60	65	70	75	80	85
C0	82721	57666	46369	33609	28446	26456	26346	30521	48944
C45	129794	84312	57525	40202	28828	24755	24098	27729	44495
C90	78562	56912	45186	30830	26687	24472	24473	26799	43753

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
27031	28255	31351	25284	25409	25222	47461	44495	45885

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

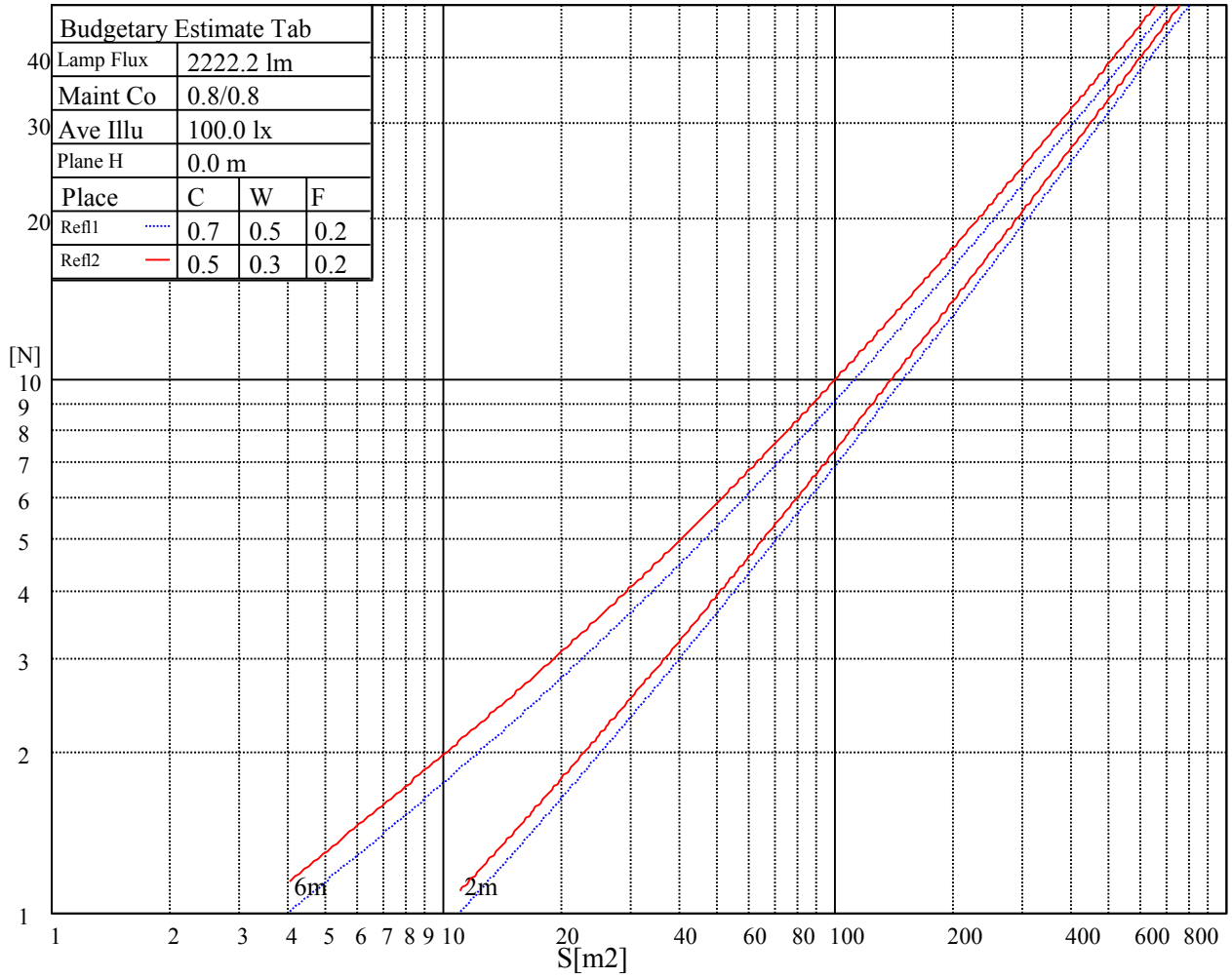


Equipment: GMS1980
Temperature(°C): 25.0

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

Operator: NT07
Distance(m): 7.73

Budgetary Estimate Table

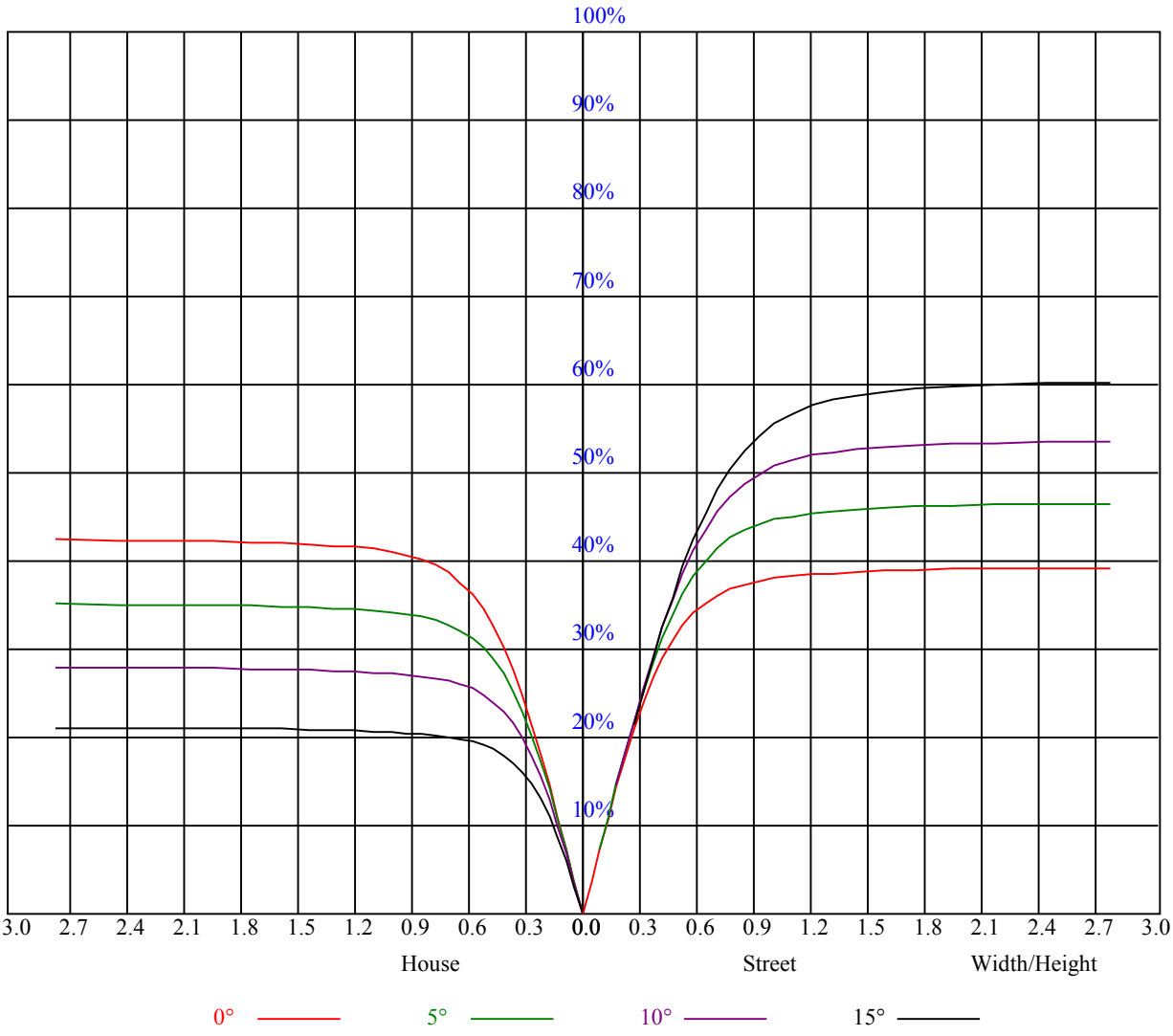


Equipment: GMS1980 Date: 2022/6/27 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 65.0% Distance(m): 7.73

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	0.98	0.98	0.98	0.96	0.96	0.96	0.91	0.91	0.91	0.88	0.88	0.88	0.84	0.84	0.84	0.82
1	0.91	0.88	0.87	0.89	0.87	0.85	0.86	0.84	0.83	0.82	0.81	0.80	0.80	0.79	0.78	0.76
2	0.84	0.81	0.78	0.83	0.79	0.77	0.80	0.77	0.75	0.77	0.75	0.73	0.75	0.73	0.72	0.71
3	0.78	0.74	0.70	0.77	0.73	0.70	0.75	0.72	0.69	0.73	0.70	0.68	0.71	0.69	0.67	0.65
4	0.73	0.68	0.65	0.72	0.68	0.64	0.70	0.66	0.63	0.68	0.65	0.63	0.67	0.64	0.62	0.61
5	0.68	0.63	0.60	0.67	0.63	0.59	0.66	0.62	0.59	0.65	0.61	0.58	0.63	0.60	0.58	0.56
6	0.64	0.59	0.55	0.63	0.59	0.55	0.62	0.58	0.55	0.61	0.57	0.54	0.60	0.57	0.54	0.53
7	0.60	0.55	0.52	0.60	0.55	0.51	0.58	0.54	0.51	0.58	0.54	0.51	0.57	0.53	0.51	0.49
8	0.57	0.52	0.48	0.56	0.51	0.48	0.55	0.51	0.48	0.54	0.51	0.48	0.54	0.50	0.47	0.46
9	0.54	0.49	0.45	0.53	0.48	0.45	0.52	0.48	0.45	0.52	0.48	0.45	0.51	0.47	0.45	0.44
10	0.51	0.46	0.43	0.50	0.46	0.43	0.50	0.45	0.42	0.49	0.45	0.42	0.48	0.45	0.42	0.41

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	2006.50	2009.49	2012.48	2012.48	2011.88	2010.09	2010.69	2008.89	2008.29
22.5	2001.72	1999.33	1998.73	2003.51	2006.50	2012.48	2019.65	2023.23	2019.65
45.0	2033.99	2031.60	2026.22	2017.26	2017.86	2016.66	2013.67	2013.08	2009.49
67.5	2044.15	2042.35	2039.37	2036.98	2034.59	2032.79	2029.21	2027.42	2022.64
90.0	2050.72	2047.13	2041.76	2036.38	2032.20	2029.21	2026.82	2024.43	2020.25
112.5	2036.38	2037.57	2038.17	2039.37	2038.77	2039.37	2036.98	2034.59	2031.00
135.0	2030.40	2032.20	2033.99	2035.18	2033.99	2036.38	2037.57	2038.17	2032.79
157.5	2022.64	2021.44	2020.25	2021.44	2021.44	2020.84	2020.84	2019.05	2014.87
180.0	2006.50	2003.51	1998.14	1995.75	1993.95	1991.56	1988.58	1982.00	1970.65
202.5	2001.72	2004.71	2007.70	2010.69	2010.69	2009.49	2009.49	2009.49	2007.10
225.0	2033.99	2033.39	2035.18	2033.39	2030.40	2025.03	2020.84	2016.06	2010.09
247.5	2044.15	2044.74	2044.74	2042.95	2039.96	2034.59	2029.81	2025.03	2021.44
270.0	2050.72	2051.91	2051.91	2050.12	2046.54	2041.16	2036.98	2031.00	2026.22
292.5	2036.38	2036.38	2038.17	2037.57	2038.17	2036.98	2033.99	2030.40	2025.62
315.0	2030.40	2030.40	2024.43	2016.06	2010.09	2013.08	2014.87	2014.27	2016.66
337.5	2022.64	2023.23	2023.83	2029.21	2035.18	2039.37	2041.76	2042.95	2039.96
360.0	2006.50	2009.49	2012.48	2012.48	2011.88	2010.09	2010.69	2008.89	2008.29

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	2002.92	1998.14	1987.38	1970.65	1945.55	1917.47	1876.84	1832.02	1791.99
22.5	2005.31	1986.78	1965.27	1943.76	1916.28	1887.00	1857.72	1819.48	1772.27
45.0	2001.72	1987.98	1971.85	1951.53	1927.63	1903.73	1871.46	1835.61	1790.20
67.5	2015.47	2008.29	2000.53	1985.59	1965.87	1947.94	1918.07	1884.01	1852.94
90.0	2015.47	2007.10	1995.75	1979.61	1958.10	1929.42	1893.57	1856.52	1815.29
112.5	2024.43	2016.66	2008.29	1991.56	1970.65	1946.15	1913.29	1873.85	1832.62
135.0	2023.83	2007.70	1986.19	1961.09	1931.81	1889.39	1849.95	1808.12	1753.75
157.5	2006.50	1989.77	1969.46	1942.57	1898.35	1861.90	1819.48	1762.11	1711.32
180.0	1954.52	1930.62	1900.74	1870.86	1835.61	1784.22	1740.00	1693.40	1641.41
202.5	2001.72	1990.37	1973.64	1953.92	1929.42	1892.97	1858.91	1820.67	1770.48
225.0	2004.11	1992.76	1979.02	1961.69	1937.19	1913.89	1886.40	1854.13	1818.88
247.5	2017.86	2011.88	2004.11	1993.95	1979.61	1955.71	1931.21	1901.34	1860.71
270.0	2020.84	2013.08	2002.92	1992.76	1978.42	1960.49	1938.98	1907.31	1869.07
292.5	2020.25	2011.88	2003.51	1993.36	1977.22	1958.10	1934.80	1901.34	1867.28
315.0	2019.05	2016.06	2006.50	1996.94	1983.80	1962.88	1939.58	1905.52	1866.08
337.5	2032.79	2020.84	2002.32	1978.42	1952.72	1921.65	1887.00	1851.14	1815.29
360.0	2002.92	1998.14	1987.38	1970.65	1945.55	1917.47	1876.84	1832.02	1791.99

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1745.98	1701.76	1650.97	1597.20	1546.41	1481.27	1408.97	1341.45	1278.71
22.5	1723.27	1672.48	1602.57	1544.01	1478.88	1395.83	1327.11	1250.03	1166.97
45.0	1737.61	1686.23	1630.06	1553.58	1485.46	1411.96	1314.56	1190.46	1150.42
67.5	1799.16	1750.76	1695.19	1614.52	1543.42	1469.92	1370.73	1290.66	1208.80
90.0	1754.35	1699.97	1640.81	1560.75	1491.43	1417.34	1325.92	1186.10	1144.51
112.5	1778.25	1723.87	1656.95	1582.85	1509.96	1436.46	1334.28	1254.81	1174.74
135.0	1694.59	1638.42	1570.31	1496.81	1424.51	1339.66	1188.13	1168.41	1079.14
157.5	1656.35	1589.43	1525.49	1467.53	1397.62	1320.54	1247.64	1167.57	1097.06
180.0	1587.63	1536.25	1472.31	1404.19	1340.86	1252.42	1192.13	1110.93	1028.47
202.5	1728.65	1682.04	1615.12	1557.16	1493.82	1409.57	1349.82	1271.54	1186.51
225.0	1779.44	1729.85	1675.47	1622.29	1560.15	1500.99	1429.89	1353.40	1281.70
247.5	1815.29	1768.69	1710.73	1646.19	1583.45	1508.76	1436.46	1351.61	1249.43
270.0	1832.02	1790.79	1734.03	1683.24	1625.88	1548.20	1478.29	1404.79	1318.15
292.5	1824.85	1775.86	1725.07	1660.53	1587.04	1518.32	1444.23	1351.61	1275.72
315.0	1827.84	1784.82	1721.48	1665.91	1606.16	1526.09	1457.37	1384.47	1299.63
337.5	1764.50	1718.49	1668.30	1597.79	1536.84	1471.12	1403.60	1312.77	1189.02
360.0	1745.98	1701.76	1650.97	1597.20	1546.41	1481.27	1408.97	1341.45	1278.71

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	1177.13	1098.26	1027.15	927.96	841.32	775.00	684.17	608.88	554.51
22.5	1077.34	1000.26	905.85	823.99	737.35	663.85	590.36	528.81	466.07
45.0	1070.00	968.30	887.51	809.29	726.18	646.53	581.40	515.01	454.90
67.5	1101.84	1021.77	934.54	843.71	758.86	696.12	612.47	546.74	487.58
90.0	1049.86	966.56	875.08	787.96	715.06	637.15	564.19	503.72	447.55
112.5	1070.77	991.90	905.26	817.42	733.77	672.82	599.32	528.22	472.65
135.0	999.96	921.81	826.86	755.46	686.98	606.55	546.92	493.20	444.56
157.5	1012.81	930.95	850.88	774.40	685.96	628.60	559.29	489.38	441.57
180.0	954.37	869.17	784.91	713.27	645.57	566.16	509.03	456.63	403.93
202.5	1112.84	1037.61	944.63	870.30	797.34	716.98	640.55	576.73	517.28
225.0	1208.20	1112.60	1036.71	960.83	870.00	798.30	728.99	653.70	583.79
247.5	1185.80	1107.46	1010.60	933.70	858.05	767.82	699.05	633.08	564.01
270.0	1228.52	1148.45	1059.42	981.74	896.89	812.64	741.53	666.84	596.93
292.5	1184.12	1094.91	1016.04	938.84	843.29	770.27	700.12	617.61	564.07
315.0	1212.39	1132.91	1045.68	970.39	885.54	801.88	730.18	654.29	584.38
337.5	1160.40	1065.16	989.87	913.86	828.41	747.21	677.12	601.41	538.25
360.0	1177.13	1098.26	1027.15	927.96	841.32	775.00	684.17	608.88	554.51

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	482.80	426.04	368.68	305.93	249.41	209.79	170.36	145.62	126.20
22.5	417.08	372.26	319.08	303.54	238.95	205.49	170.18	147.35	128.95
45.0	408.11	361.45	325.41	290.88	261.12	238.77	219.35	198.56	183.68
67.5	432.61	386.60	341.19	303.54	263.39	233.75	200.95	178.24	158.17
90.0	382.00	333.54	290.94	242.54	209.14	180.87	151.95	133.19	117.89
112.5	419.47	375.25	331.63	308.92	256.34	227.18	200.65	171.85	152.07
135.0	391.80	354.45	322.13	286.52	261.36	239.67	218.93	201.13	186.79
157.5	397.95	350.75	311.31	302.95	237.82	207.34	177.17	151.65	132.77
180.0	351.11	303.72	253.53	209.73	176.75	147.29	126.97	109.59	96.32
202.5	452.51	407.51	366.76	323.38	279.76	243.73	206.33	173.82	149.86
225.0	525.23	464.88	415.88	369.27	328.64	304.14	265.00	240.03	220.31
247.5	501.57	452.57	402.97	357.02	321.17	284.96	255.74	223.83	194.08
270.0	538.37	488.78	415.88	366.88	328.04	301.75	230.17	197.12	165.34
292.5	501.27	446.23	401.00	354.33	313.28	281.08	250.90	213.92	187.62
315.0	526.42	473.24	415.28	373.46	337.60	302.35	270.02	246.12	225.93
337.5	475.45	420.18	374.53	324.70	278.63	242.60	209.02	173.34	150.04
360.0	482.80	426.04	368.68	305.93	249.41	209.79	170.36	145.62	126.20

C/γ(°)	45.0	46.0	47.0	48.0	49.0	50.0	51.0	52.0	53.0
0.0	108.15	96.92	88.02	80.07	73.50	68.54	63.64	59.93	55.93
22.5	110.84	99.37	89.93	81.38	74.63	69.25	64.06	59.69	55.15
45.0	169.70	152.67	139.34	126.08	112.40	100.21	90.88	81.68	74.51
67.5	136.71	122.13	109.59	97.58	87.90	80.37	73.44	67.76	62.32
90.0	102.72	94.29	85.45	78.28	72.84	67.64	62.86	58.92	55.27
112.5	135.04	117.35	105.52	95.43	85.39	78.40	72.48	66.68	61.49
135.0	171.91	158.76	143.88	128.83	115.74	102.30	91.00	82.46	74.99
157.5	115.44	101.82	91.96	83.89	75.71	70.03	65.13	60.71	55.63
180.0	87.30	80.07	72.78	67.94	63.64	58.56	54.97	51.69	48.34
202.5	128.11	112.87	99.07	88.49	80.97	73.79	67.82	63.10	58.80
225.0	203.28	184.88	170.59	156.25	140.18	123.87	110.90	98.11	86.94
247.5	170.42	149.20	126.26	111.50	99.37	86.70	78.46	71.70	65.19
270.0	139.46	121.00	104.69	93.27	83.24	75.05	69.07	64.06	58.74
292.5	164.08	140.66	121.00	106.78	94.05	83.59	75.95	69.01	63.70
315.0	204.65	189.89	175.61	159.36	143.71	129.84	114.67	102.30	90.65
337.5	131.10	114.25	100.56	91.24	82.58	75.35	69.79	64.65	60.59
360.0	108.15	96.92	88.02	80.07	73.50	68.54	63.64	59.93	55.93

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	52.28	49.18	46.07	42.78	38.90	34.84	31.07	28.68	26.83
22.5	51.09	47.86	44.52	41.35	38.00	34.18	30.53	28.32	26.53
45.0	67.40	61.01	55.87	50.43	45.35	41.17	37.17	32.80	29.88
67.5	57.60	53.66	49.59	45.83	42.66	39.91	34.48	30.59	27.84
90.0	50.61	47.92	45.05	40.75	35.25	31.61	28.50	26.59	24.98
112.5	57.54	53.30	49.42	46.25	42.96	39.80	34.48	30.29	27.73
135.0	66.92	61.25	56.05	50.67	45.71	41.59	37.29	33.46	30.47
157.5	52.16	48.82	44.93	42.07	39.20	36.33	32.74	30.35	28.08
180.0	45.11	42.48	39.44	35.73	32.33	29.46	27.43	25.63	24.02
202.5	54.14	50.73	47.56	44.28	41.23	38.42	34.36	31.13	28.68
225.0	78.81	70.81	64.65	58.56	52.82	48.10	43.20	38.84	35.31
247.5	59.51	55.03	50.37	46.55	42.84	39.50	36.93	32.86	29.34
270.0	54.79	51.09	47.03	44.10	41.35	37.23	32.80	30.23	28.08
292.5	58.50	53.60	49.71	46.13	42.19	39.26	36.27	31.43	28.86
315.0	80.97	73.44	66.03	59.57	54.26	49.83	43.62	39.44	36.03
337.5	56.47	52.58	49.18	45.95	42.13	38.90	35.19	31.25	28.92
360.0	52.28	49.18	46.07	42.78	38.90	34.84	31.07	28.68	26.83

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	25.04	23.48	22.23	20.91	19.72	18.70	17.69	16.73	15.77
22.5	24.86	23.54	22.53	21.45	20.26	19.12	18.05	16.97	15.83
45.0	27.31	24.74	22.53	20.91	19.30	17.87	16.79	15.66	14.70
67.5	25.81	23.78	22.41	21.03	19.78	18.64	17.51	16.49	15.36
90.0	23.24	22.17	20.85	19.66	18.58	17.63	16.43	15.48	14.64
112.5	25.75	23.78	22.41	21.15	19.78	18.64	17.69	16.55	15.42
135.0	27.49	25.16	22.89	20.97	19.48	18.16	16.67	15.66	14.70
157.5	26.71	25.22	23.72	22.41	21.15	19.78	18.70	17.57	16.19
180.0	22.65	21.39	20.02	19.00	18.05	16.91	16.01	15.18	14.22
202.5	26.71	25.34	23.90	22.65	21.39	20.14	18.70	17.63	16.67
225.0	32.03	28.56	26.29	24.26	22.41	20.50	19.18	17.99	16.55
247.5	27.37	25.69	23.84	22.47	21.15	19.78	18.46	17.39	16.19
270.0	26.41	24.80	23.30	22.11	20.79	19.48	18.40	17.39	16.07
292.5	27.01	25.28	23.60	22.29	20.85	19.66	18.34	17.15	16.13
315.0	31.67	28.44	26.29	23.78	21.75	20.44	18.70	17.51	16.37
337.5	27.13	25.34	23.72	22.41	21.03	19.84	18.58	17.27	16.19
360.0	25.04	23.48	22.23	20.91	19.72	18.70	17.69	16.73	15.77

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	14.82	14.10	13.38	12.61	12.07	11.53	10.76	10.28	9.80
22.5	14.70	13.80	12.79	12.01	11.47	10.88	10.16	9.62	9.38
45.0	13.80	12.91	12.25	11.53	10.88	10.40	9.92	9.26	8.90
67.5	14.34	13.56	12.67	11.83	11.17	10.64	9.98	9.50	8.96
90.0	13.68	12.97	12.31	11.71	11.11	10.58	9.92	9.32	8.60
112.5	14.58	13.62	12.73	11.95	11.23	10.64	10.04	9.44	8.90
135.0	13.68	12.91	12.25	11.47	10.82	10.34	9.80	9.32	8.84
157.5	15.18	14.22	13.21	12.25	11.59	10.88	10.22	9.68	9.26
180.0	13.50	12.85	12.07	11.59	10.93	10.28	9.80	9.38	8.90
202.5	15.48	14.46	13.56	12.79	12.07	11.47	10.82	10.28	9.68
225.0	15.54	14.58	13.62	12.79	12.13	11.41	10.88	10.34	9.74
247.5	15.12	14.22	13.21	12.43	11.59	10.93	10.40	9.86	9.20
270.0	15.18	14.22	13.38	12.61	11.95	11.35	10.82	10.28	9.62
292.5	15.06	13.98	13.15	12.37	11.47	10.88	10.34	9.86	9.26
315.0	15.18	14.28	13.44	12.49	11.83	11.29	10.64	10.16	9.68
337.5	15.06	14.04	13.27	12.55	11.83	11.23	10.70	10.04	9.56
360.0	14.82	14.10	13.38	12.61	12.07	11.53	10.76	10.28	9.80

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	9.32	9.02	8.54	8.19	7.89	7.65	7.41	7.17	7.17
22.5	8.84	8.43	8.01	7.71	7.47	7.23	7.17	7.11	7.11
45.0	8.54	8.07	7.71	7.41	7.17	7.05	7.05	7.05	7.17
67.5	8.48	8.07	7.77	7.35	7.05	7.11	7.11	7.05	7.11
90.0	8.13	7.83	7.47	7.11	7.05	7.05	7.05	7.05	7.17
112.5	8.43	8.01	7.71	7.35	7.05	7.05	7.05	7.05	7.05
135.0	8.43	8.01	7.71	7.41	7.11	7.05	7.05	7.05	7.11
157.5	8.84	8.43	8.13	7.77	7.41	7.23	7.17	7.11	7.11
180.0	8.66	8.31	8.07	7.71	7.41	7.17	7.17	7.11	7.11
202.5	9.26	8.90	8.48	8.19	7.83	7.47	7.29	7.17	7.11
225.0	9.32	8.90	8.43	8.07	7.71	7.41	7.11	7.05	7.05
247.5	8.84	8.37	8.01	7.71	7.29	7.11	7.05	7.11	7.05
270.0	8.96	8.43	8.01	7.71	7.29	7.11	7.11	7.11	7.11
292.5	8.72	8.31	7.95	7.65	7.23	7.05	7.05	7.05	7.05
315.0	9.14	8.72	8.31	7.89	7.59	7.35	7.11	7.11	7.11
337.5	9.20	8.78	8.37	8.01	7.65	7.47	7.23	7.11	7.11
360.0	9.32	9.02	8.54	8.19	7.89	7.65	7.41	7.17	7.17

C/γ(°)	90.0
0.0	7.11
22.5	7.17
45.0	7.29
67.5	7.29
90.0	7.29
112.5	7.23
135.0	7.29
157.5	7.23
180.0	7.11
202.5	7.11
225.0	7.05
247.5	7.05
270.0	7.11
292.5	7.05
315.0	7.11
337.5	7.11
360.0	7.11