

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: CORELITE

Report Number: P935947

Luminaire Tested: SQ4-FA-150U-075D-92765-1D-UNV-STD-W-8-5000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935947
REPORT IS A COMBINATION OF REPORTS P933776 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-150U-075D-92765-1D-UNV-STD-W-8-5000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

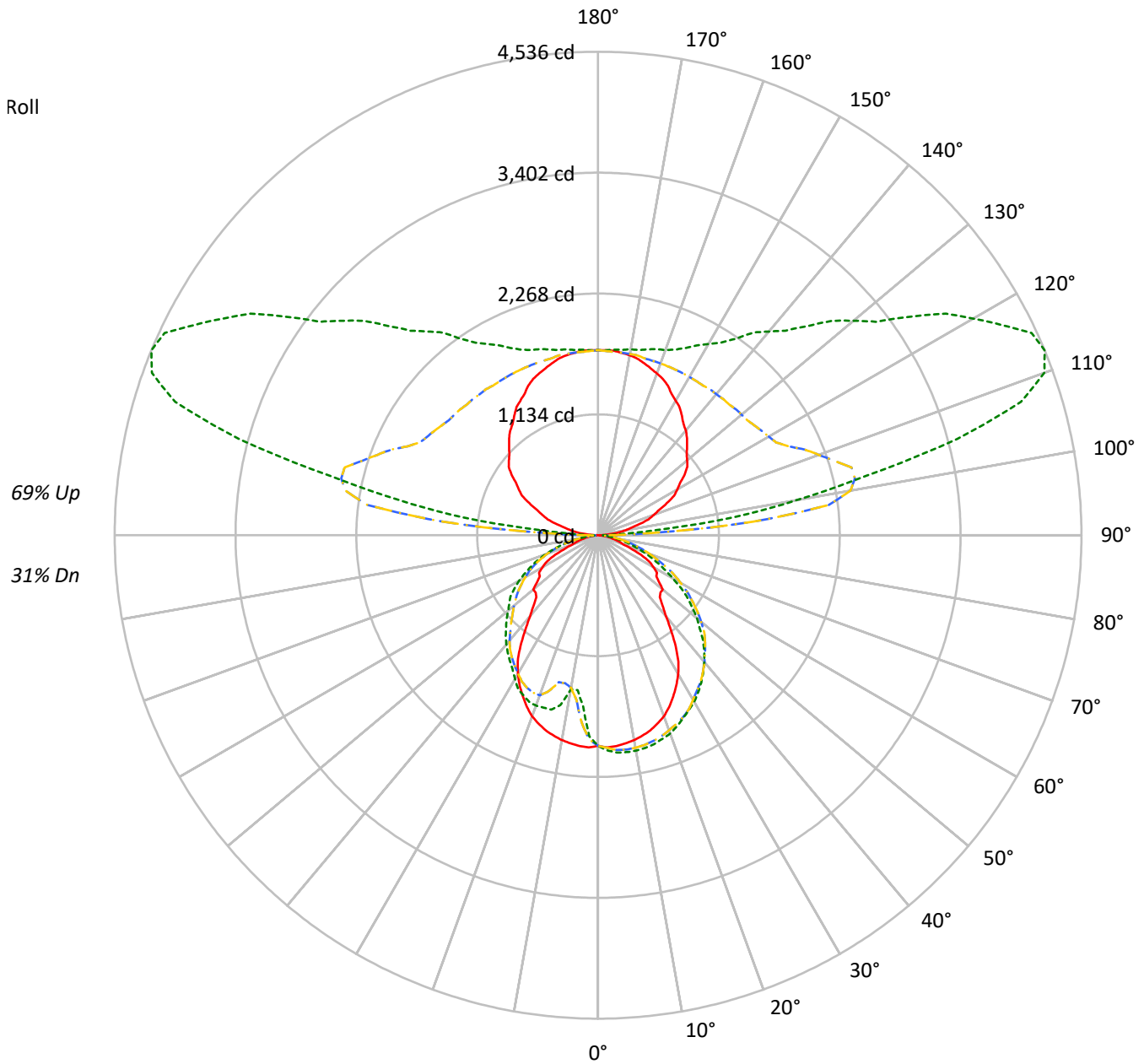
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16392.0 lumens
Efficiency: N/A
Efficacy: 128.9 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 8' x H: 0.1')
CIE Type: Semi-Indirect

Input Watts (W): 127.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P935947
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Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° - - - 90°-270° - - - 135°-315°



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	178.4	1.1
10°-20°	506.4	3.1
20°-30°	782.8	4.8
30°-40°	934.5	5.7
40°-50°	940.0	5.7
50°-60°	817.9	5.0
60°-70°	579.9	3.5
70°-80°	306.8	1.9
80°-90°	83.0	0.5
90°-100°	846.9	5.2
100°-110°	2226.4	13.6
110°-120°	2308.5	14.1
120°-130°	1851.7	11.3
130°-140°	1452.9	8.9
140°-150°	1115.2	6.8
150°-160°	803.1	4.9
160°-170°	491.4	3.0
170°-180°	166.0	1.0
0°-30°	1467.6	9.0
0°-40°	2402.1	14.7
0°-60°	4160.0	25.4
0°-90°	5129.8	31.3
90°-120°	5381.8	32.8
90°-150°	9801.7	59.8
90°-180°	11262.0	68.7
0°-180°	16392.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1976	1976	1976	1976	1976	
5°	1985	2047	1985	1610	1985	188
15°	1896	2028	1896	1694	1896	533
25°	1669	1892	1669	1656	1669	766
35°	1269	1688	1269	1441	1269	785
45°	819	1391	819	1221	819	656
55°	667	1026	667	1002	667	613
65°	464	619	464	692	464	443
75°	176	294	176	351	176	185
85°	30	75	30	64	30	40
90°	12	44	12	44	12	11
95°	112	512	112	512	112	124
105°	401	3486	401	3486	401	425
115°	712	4489	712	4489	712	704
125°	991	3575	991	3575	991	880
135°	1181	2774	1181	2774	1181	914
145°	1370	2250	1370	2250	1370	858
155°	1548	1938	1548	1938	1548	711
165°	1671	1805	1671	1805	1671	472
175°	1737	1749	1737	1749	1737	165
180°	1737	1737	1737	1737	1737	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1975.9	1975.9	1975.9	1975.9	1975.9	1975.9	1975.9	1975.9	1975.9	1975.9	1975.9
2.5°	1992.7	1992.7	2003.9	2007.7	2007.7	2002.0	1996.4	2002.0	2018.9	2024.5	2022.6
5°	1985.2	2000.2	2020.7	2024.5	2028.2	2026.3	2022.6	2026.3	2045.0	2048.8	2050.7
7.5°	1970.3	1998.3	2024.5	2030.1	2035.7	2030.1	2028.2	2032.0	2050.7	2054.4	2054.4
10°	1951.6	1990.8	2020.7	2024.5	2030.1	2024.5	2024.5	2032.0	2050.7	2054.4	2056.3
12.5°	1925.4	1979.6	2007.7	2011.4	2018.9	2017.0	2015.1	2022.6	2041.3	2045.0	2045.0
15°	1895.5	1959.1	1985.2	1989.0	2002.0	1998.3	1998.3	2005.8	2026.3	2032.0	2030.1
17.5°	1854.4	1932.9	1962.8	1968.4	1977.7	1975.9	1977.7	1985.2	2003.9	2007.7	2009.5
20°	1807.6	1897.4	1932.9	1938.5	1947.8	1947.8	1947.8	1957.2	1975.9	1983.4	1983.4
22.5°	1744.1	1860.0	1897.4	1901.1	1912.3	1912.3	1916.1	1929.1	1946.0	1947.8	1947.8
25°	1669.3	1818.8	1850.6	1861.8	1873.1	1878.7	1884.3	1891.8	1897.4	1895.5	1897.4
27.5°	1590.8	1766.5	1807.6	1815.1	1830.1	1835.7	1843.1	1845.0	1846.9	1852.5	1848.8
30°	1502.9	1693.6	1755.3	1762.8	1787.1	1790.8	1783.3	1787.1	1796.4	1800.2	1803.9
32.5°	1403.8	1585.2	1701.1	1717.9	1740.3	1729.1	1727.2	1732.9	1747.8	1747.8	1751.5
35°	1269.2	1501.0	1650.6	1665.6	1682.4	1669.3	1676.8	1678.6	1688.0	1693.6	1691.7
37.5°	1121.6	1428.1	1598.3	1609.5	1622.6	1605.7	1616.9	1622.6	1630.0	1626.3	1626.3
40°	990.8	1314.1	1536.6	1544.0	1555.3	1542.2	1553.4	1557.1	1560.9	1557.1	1555.3
42.5°	893.6	1188.9	1471.1	1480.5	1473.0	1482.4	1486.1	1493.6	1488.0	1480.5	1480.5
45°	818.8	1155.2	1400.1	1411.3	1400.1	1415.1	1420.7	1420.7	1403.8	1400.1	1398.2
47.5°	794.5	1088.0	1329.1	1329.1	1323.5	1342.1	1351.5	1338.4	1321.6	1316.0	1316.0
50°	792.6	1013.2	1231.8	1224.4	1250.5	1273.0	1263.6	1250.5	1237.5	1216.9	1216.9
52.5°	719.7	921.6	1106.7	1134.6	1175.8	1188.9	1173.9	1160.8	1138.4	1129.0	1121.6
55°	667.4	826.3	992.7	1048.7	1091.7	1108.6	1080.5	1067.4	1033.8	1028.2	1024.4
57.5°	656.2	687.9	888.0	959.0	1011.4	1009.5	992.7	968.4	940.3	934.7	932.8
60°	602.0	497.3	775.8	859.9	914.1	908.5	893.6	871.1	845.0	841.2	837.5
62.5°	545.9	360.8	648.7	744.0	820.7	818.8	805.7	772.1	753.4	744.0	736.5
65°	463.6	302.8	461.7	618.8	729.1	732.8	704.8	680.5	659.9	648.7	646.8
67.5°	353.3	246.8	312.2	516.0	641.2	637.5	602.0	590.7	564.6	559.0	547.7
70°	261.7	164.5	216.9	418.7	555.2	545.9	517.8	504.7	480.4	467.4	459.9
72.5°	216.9	132.7	158.9	325.3	467.4	456.1	431.8	416.9	396.3	385.1	377.6
75°	175.7	140.2	121.5	241.2	379.5	372.0	349.6	334.6	317.8	302.8	304.7
77.5°	129.0	130.9	97.2	177.6	301.0	289.8	276.7	258.0	250.5	235.5	235.5
80°	97.2	102.8	72.9	121.5	216.9	216.9	205.6	192.5	179.5	172.0	172.0
82.5°	65.4	65.4	54.2	76.6	147.7	142.1	134.6	130.9	123.4	119.6	119.6
85°	29.9	37.4	33.6	46.7	80.4	84.1	84.1	80.4	78.5	74.8	76.6
87.5°	9.3	16.8	20.6	26.2	41.1	43.0	44.9	44.9	44.9	46.7	46.7
90°	11.7	21.0	30.3	32.6	51.3	76.2	88.6	78.8	59.1	44.3	44.3
92.5°	46.6	125.9	205.3	225.1	316.4	438.2	499.0	437.3	314.1	221.5	212.7
95°	112.0	257.0	402.1	438.4	778.4	1231.8	1458.6	1301.6	987.6	752.1	725.3
97.5°	193.6	321.5	449.6	481.6	1048.6	1804.7	2182.7	2083.5	1885.0	1736.1	1685.4
100°	256.5	372.6	488.7	517.7	1147.0	1985.9	2405.4	2412.7	2427.2	2438.0	2377.5
102.5°	310.1	418.5	526.7	553.8	1192.0	2042.9	2468.4	2594.8	2847.7	3037.3	2985.5
105°	401.1	492.8	584.6	607.5	1225.4	2049.3	2461.4	2744.9	3311.8	3737.0	3709.1
107.5°	494.4	579.9	665.3	686.7	1231.7	1958.2	2321.4	2716.8	3507.7	4100.7	4107.5
110°	557.4	634.6	711.8	731.0	1222.3	1877.4	2204.9	2646.9	3530.9	4194.0	4223.0



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	619.1	692.7	766.3	784.7	1222.7	1806.7	2098.7	2551.1	3455.9	4134.5	4179.1
115°	712.4	780.3	848.2	865.2	1234.0	1725.7	1971.7	2407.4	3279.0	3932.8	3994.6
117.5°	804.5	866.2	927.9	943.3	1256.9	1675.1	1884.2	2277.5	3064.2	3654.1	3722.7
120°	858.2	916.2	974.2	988.7	1275.6	1658.0	1849.2	2208.6	2927.4	3466.5	3533.0
122.5°	910.6	969.2	1027.7	1042.4	1302.4	1649.1	1822.4	2146.0	2793.3	3278.7	3344.4
125°	991.1	1044.4	1097.8	1111.2	1338.5	1641.6	1793.2	2068.1	2617.9	3030.3	3090.8
127.5°	1056.4	1110.2	1164.2	1177.6	1374.7	1637.4	1768.7	2004.8	2476.9	2830.9	2882.0
130°	1091.4	1149.4	1207.5	1221.9	1401.1	1639.9	1759.4	1969.5	2389.9	2705.0	2752.2
132.5°	1127.5	1185.6	1243.6	1258.1	1422.5	1641.7	1751.3	1939.3	2315.5	2597.7	2640.0
135°	1181.1	1234.0	1286.9	1300.1	1445.8	1640.1	1737.2	1894.8	2209.9	2446.2	2482.6
137.5°	1236.0	1288.3	1340.6	1353.6	1480.8	1650.2	1735.0	1868.2	2134.5	2334.2	2364.1
140°	1281.4	1329.6	1377.8	1389.8	1502.2	1651.9	1726.8	1841.8	2072.0	2244.5	2272.4
142.5°	1316.3	1360.9	1405.5	1416.6	1520.0	1657.9	1726.8	1827.8	2029.9	2181.5	2205.4
145°	1370.0	1408.9	1447.8	1457.5	1543.4	1657.9	1715.1	1797.7	1963.1	2087.1	2105.2
147.5°	1423.7	1461.5	1499.4	1508.8	1577.6	1669.3	1715.1	1780.1	1910.2	2007.7	2022.8
150°	1458.6	1492.8	1527.0	1535.5	1595.4	1675.2	1715.1	1770.1	1879.9	1962.3	1974.5
152.5°	1494.8	1520.7	1546.7	1553.1	1607.1	1679.1	1715.1	1762.0	1855.8	1926.1	1935.3
155°	1548.4	1567.6	1586.8	1591.5	1632.7	1687.6	1715.1	1752.4	1827.1	1883.1	1889.1
157.5°	1588.1	1606.8	1625.4	1630.0	1658.4	1696.2	1715.1	1744.2	1802.2	1845.8	1850.1
160°	1614.9	1629.4	1643.9	1647.5	1670.0	1700.0	1715.1	1740.0	1789.8	1827.1	1829.5
162.5°	1641.7	1652.6	1663.5	1666.2	1682.5	1704.2	1715.1	1736.1	1778.1	1809.6	1811.9
165°	1670.8	1680.6	1690.5	1692.9	1700.3	1710.1	1715.1	1730.1	1760.2	1782.8	1785.2
167.5°	1697.6	1702.3	1707.0	1708.2	1714.3	1722.7	1726.8	1736.6	1756.3	1771.1	1772.1
170°	1715.1	1719.8	1724.4	1725.7	1726.0	1726.5	1726.8	1736.6	1756.3	1771.1	1771.1
172.5°	1724.4	1725.5	1726.5	1726.8	1726.8	1726.8	1726.8	1734.5	1750.1	1761.7	1760.8
175°	1737.2	1737.2	1737.2	1737.2	1733.8	1729.1	1726.8	1731.7	1741.5	1748.9	1748.9
177.5°	1737.2	1737.2	1737.2	1737.2	1734.5	1730.9	1729.1	1733.0	1740.8	1746.6	1745.6
180°	1737.2	1737.2	1737.2	1737.2	1737.2	1737.2	1737.2	1737.2	1737.2	1737.2	1737.2



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1975.9	1975.9	1975.9	1975.9	1975.9	1975.9	1975.9	1975.9	1975.9	1975.9	1975.9
2.5°	2026.3	2020.7	2026.3	2022.6	2024.5	2018.9	2002.0	1996.4	2002.0	2007.7	2007.7
5°	2050.7	2046.9	2050.7	2050.7	2048.8	2045.0	2026.3	2022.6	2026.3	2028.2	2024.5
7.5°	2058.1	2052.5	2058.1	2054.4	2054.4	2050.7	2032.0	2028.2	2030.1	2035.7	2030.1
10°	2058.1	2052.5	2058.1	2056.3	2054.4	2050.7	2032.0	2024.5	2024.5	2030.1	2024.5
12.5°	2048.8	2045.0	2048.8	2045.0	2045.0	2041.3	2022.6	2015.1	2017.0	2018.9	2011.4
15°	2033.8	2028.2	2033.8	2030.1	2032.0	2026.3	2005.8	1998.3	1998.3	2002.0	1989.0
17.5°	2011.4	2003.9	2011.4	2009.5	2007.7	2003.9	1985.2	1977.7	1975.9	1977.7	1968.4
20°	1985.2	1979.6	1985.2	1983.4	1983.4	1975.9	1957.2	1947.8	1947.8	1947.8	1938.5
22.5°	1944.1	1938.5	1944.1	1947.8	1947.8	1946.0	1929.1	1916.1	1912.3	1912.3	1901.1
25°	1897.4	1891.8	1897.4	1897.4	1895.5	1897.4	1891.8	1884.3	1878.7	1873.1	1861.8
27.5°	1852.5	1848.8	1852.5	1848.8	1852.5	1846.9	1845.0	1843.1	1835.7	1830.1	1815.1
30°	1807.6	1803.9	1807.6	1803.9	1800.2	1796.4	1787.1	1783.3	1790.8	1787.1	1762.8
32.5°	1751.5	1747.8	1751.5	1751.5	1747.8	1747.8	1732.9	1727.2	1729.1	1740.3	1717.9
35°	1693.6	1688.0	1693.6	1691.7	1693.6	1688.0	1678.6	1676.8	1669.3	1682.4	1665.6
37.5°	1626.3	1620.7	1626.3	1626.3	1626.3	1630.0	1622.6	1616.9	1605.7	1622.6	1609.5
40°	1557.1	1549.6	1557.1	1555.3	1557.1	1560.9	1557.1	1553.4	1542.2	1555.3	1544.0
42.5°	1478.6	1476.7	1478.6	1480.5	1480.5	1488.0	1493.6	1486.1	1482.4	1473.0	1480.5
45°	1394.5	1390.7	1394.5	1398.2	1400.1	1403.8	1420.7	1420.7	1415.1	1400.1	1411.3
47.5°	1304.8	1295.4	1304.8	1316.0	1316.0	1321.6	1338.4	1351.5	1342.1	1323.5	1329.1
50°	1209.4	1211.3	1209.4	1216.9	1216.9	1237.5	1250.5	1263.6	1273.0	1250.5	1224.4
52.5°	1115.9	1114.2	1115.9	1121.6	1129.0	1138.4	1160.8	1173.9	1188.9	1175.8	1134.6
55°	1022.6	1026.3	1022.6	1024.4	1028.2	1033.8	1067.4	1080.5	1108.6	1091.7	1048.7
57.5°	929.1	923.5	929.1	932.8	934.7	940.3	968.4	992.7	1009.5	1011.4	959.0
60°	820.7	813.2	820.7	837.5	841.2	845.0	871.1	893.6	908.5	914.1	859.9
62.5°	725.3	712.2	725.3	736.5	744.0	753.4	772.1	805.7	818.8	820.7	744.0
65°	624.4	618.8	624.4	646.8	648.7	659.9	680.5	704.8	732.8	729.1	618.8
67.5°	532.8	532.8	532.8	547.7	559.0	564.6	590.7	602.0	637.5	641.2	516.0
70°	448.7	446.8	448.7	459.9	467.4	480.4	504.7	517.8	545.9	555.2	418.7
72.5°	368.3	366.4	368.3	377.6	385.1	396.3	416.9	431.8	456.1	467.4	325.3
75°	297.2	293.5	297.2	304.7	302.8	317.8	334.6	349.6	372.0	379.5	241.2
77.5°	228.1	228.1	228.1	235.5	235.5	250.5	258.0	276.7	289.8	301.0	177.6
80°	170.1	168.2	170.1	172.0	172.0	179.5	192.5	205.6	216.9	216.9	121.5
82.5°	119.6	115.9	119.6	119.6	119.6	123.4	130.9	134.6	142.1	147.7	76.6
85°	74.8	74.8	74.8	76.6	74.8	78.5	80.4	84.1	84.1	80.4	46.7
87.5°	48.6	46.7	48.6	46.7	46.7	44.9	44.9	44.9	43.0	41.1	26.2
90°	44.3	44.3	44.3	44.3	44.3	59.1	78.8	88.6	76.2	51.3	32.6
92.5°	177.5	142.3	177.5	212.7	221.5	314.1	437.3	499.0	438.2	316.4	225.1
95°	618.6	511.8	618.6	725.3	752.1	987.6	1301.6	1458.6	1231.8	778.4	438.4
97.5°	1482.2	1279.1	1482.2	1685.4	1736.1	1885.0	2083.5	2182.7	1804.7	1048.6	481.6
100°	2135.5	1893.5	2135.5	2377.5	2438.0	2427.2	2412.7	2405.4	1985.9	1147.0	517.7
102.5°	2778.2	2571.0	2778.2	2985.5	3037.3	2847.7	2594.8	2468.4	2042.9	1192.0	553.8
105°	3597.7	3486.3	3597.7	3709.1	3737.0	3311.8	2744.9	2461.4	2049.3	1225.4	607.5
107.5°	4134.4	4161.3	4134.4	4107.5	4100.7	3507.7	2716.8	2321.4	1958.2	1231.7	686.7
110°	4339.1	4455.2	4339.1	4223.0	4194.0	3530.9	2646.9	2204.9	1877.4	1222.3	731.0



TEST NUMBER: P935947

CATALOG NUMBER: SQ4-FA-150U-075D-92765-1D-UNV-STD-W-8-5000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	4357.3	4535.6	4357.3	4179.1	4134.5	3455.9	2551.1	2098.7	1806.7	1222.7	784.7
115°	4241.8	4488.9	4241.8	3994.6	3932.8	3279.0	2407.4	1971.7	1725.7	1234.0	865.2
117.5°	3996.8	4271.0	3996.8	3722.7	3654.1	3064.2	2277.5	1884.2	1675.1	1256.9	943.3
120°	3799.4	4065.7	3799.4	3533.0	3466.5	2927.4	2208.6	1849.2	1658.0	1275.6	988.7
122.5°	3607.1	3869.9	3607.1	3344.4	3278.7	2793.3	2146.0	1822.4	1649.1	1302.4	1042.4
125°	3332.9	3574.9	3332.9	3090.8	3030.3	2617.9	2068.1	1793.2	1641.6	1338.5	1111.2
127.5°	3086.2	3290.4	3086.2	2882.0	2830.9	2476.9	2004.8	1768.7	1637.4	1374.7	1177.6
130°	2940.9	3129.5	2940.9	2752.2	2705.0	2389.9	1969.5	1759.4	1639.9	1401.1	1221.9
132.5°	2808.9	2977.9	2808.9	2640.0	2597.7	2315.5	1939.3	1751.3	1641.7	1422.5	1258.1
135°	2628.2	2773.8	2628.2	2482.6	2446.2	2209.9	1894.8	1737.2	1640.1	1445.8	1300.1
137.5°	2483.2	2602.4	2483.2	2364.1	2334.2	2134.5	1868.2	1735.0	1650.2	1480.8	1353.6
140°	2383.8	2495.2	2383.8	2272.4	2244.5	2072.0	1841.8	1726.8	1651.9	1502.2	1389.8
142.5°	2301.3	2397.2	2301.3	2205.4	2181.5	2029.9	1827.8	1726.8	1657.9	1520.0	1416.6
145°	2177.8	2250.3	2177.8	2105.2	2087.1	1963.1	1797.7	1715.1	1657.9	1543.4	1457.5
147.5°	2082.9	2143.0	2082.9	2022.8	2007.7	1910.2	1780.1	1715.1	1669.3	1577.6	1508.8
150°	2023.3	2072.0	2023.3	1974.5	1962.3	1879.9	1770.1	1715.1	1675.2	1595.4	1535.5
152.5°	1972.1	2009.0	1972.1	1935.3	1926.1	1855.8	1762.0	1715.1	1679.1	1607.1	1553.1
155°	1913.5	1937.8	1913.5	1889.1	1883.1	1827.1	1752.4	1715.1	1687.6	1632.7	1591.5
157.5°	1867.1	1884.2	1867.1	1850.1	1845.8	1802.2	1744.2	1715.1	1696.2	1658.4	1630.0
160°	1839.4	1849.2	1839.4	1829.5	1827.1	1789.8	1740.0	1715.1	1700.0	1670.0	1647.5
162.5°	1821.2	1830.5	1821.2	1811.9	1809.6	1778.1	1736.1	1715.1	1704.2	1682.5	1666.2
165°	1795.1	1804.9	1795.1	1785.2	1782.8	1760.2	1730.1	1715.1	1710.1	1700.3	1692.9
167.5°	1776.3	1780.4	1776.3	1772.1	1771.1	1756.3	1736.6	1726.8	1722.7	1714.3	1708.2
170°	1771.1	1771.1	1771.1	1771.1	1771.1	1756.3	1736.6	1726.8	1726.5	1726.0	1725.7
172.5°	1757.2	1753.6	1757.2	1760.8	1761.7	1750.1	1734.5	1726.8	1726.8	1726.8	1726.8
175°	1748.9	1748.9	1748.9	1748.9	1748.9	1741.5	1731.7	1726.8	1729.1	1733.8	1737.2
177.5°	1741.4	1737.2	1741.4	1745.6	1746.6	1740.8	1733.0	1729.1	1730.9	1734.5	1737.2
180°	1737.2	1737.2	1737.2	1737.2	1737.2	1737.2	1737.2	1737.2	1737.2	1737.2	1737.2



TEST NUMBER: P935947

CATALOG NUMBER: SQ4-FA-150U-075D-92765-1D-UNV-STD-W-8-5000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1975.9	1975.9	1975.9	1975.9	1975.9	1975.9	1975.9	1975.9	1975.9	1975.9	1975.9
2.5°	2003.9	1992.7	1992.7	1974.0	1966.5	1960.9	1951.6	1923.5	1916.1	1908.6	1919.8
5°	2020.7	2000.2	1985.2	1951.6	1923.5	1912.3	1876.8	1809.5	1764.6	1731.0	1712.3
7.5°	2024.5	1998.3	1970.3	1917.9	1850.6	1820.7	1712.3	1588.9	1555.3	1525.3	1506.7
10°	2020.7	1990.8	1951.6	1873.1	1714.2	1661.8	1553.4	1473.0	1452.4	1446.8	1452.4
12.5°	2007.7	1979.6	1925.4	1794.5	1572.1	1536.6	1473.0	1426.3	1422.5	1431.9	1482.4
15°	1985.2	1959.1	1895.5	1689.9	1493.6	1467.4	1422.5	1405.7	1426.3	1491.7	1643.1
17.5°	1962.8	1932.9	1854.4	1587.0	1433.7	1415.1	1383.3	1416.9	1532.8	1620.7	1671.2
20°	1932.9	1897.4	1807.6	1512.3	1390.7	1373.9	1359.0	1510.4	1598.3	1630.0	1658.1
22.5°	1897.4	1860.0	1744.1	1459.9	1345.9	1332.8	1342.1	1562.7	1598.3	1620.7	1645.0
25°	1850.6	1818.8	1669.3	1418.8	1310.4	1295.4	1330.9	1557.1	1577.7	1583.3	1631.9
27.5°	1807.6	1766.5	1590.8	1381.4	1267.4	1261.8	1340.3	1532.8	1547.8	1553.4	1605.7
30°	1755.3	1693.6	1502.9	1342.1	1222.5	1220.6	1342.1	1502.9	1499.2	1514.1	1566.5
32.5°	1701.1	1585.2	1403.8	1293.5	1179.5	1177.6	1329.1	1458.0	1454.3	1474.9	1514.1
35°	1650.6	1501.0	1269.2	1237.5	1125.3	1127.2	1297.3	1405.7	1407.6	1426.3	1450.6
37.5°	1598.3	1428.1	1121.6	1175.8	1073.0	1073.0	1254.3	1357.1	1353.4	1359.0	1392.6
40°	1536.6	1314.1	990.8	1095.5	1024.4	1018.8	1201.9	1304.8	1291.7	1289.8	1336.5
42.5°	1471.1	1188.9	893.6	988.9	968.4	960.9	1138.4	1241.2	1216.9	1222.5	1282.3
45°	1400.1	1155.2	818.8	835.6	910.4	904.8	1069.3	1168.3	1151.5	1166.4	1228.1
47.5°	1329.1	1088.0	794.5	693.6	848.7	846.8	992.7	1097.3	1088.0	1103.0	1168.3
50°	1231.8	1013.2	792.6	594.5	779.5	787.0	901.1	1028.2	1028.2	1041.3	1110.4
52.5°	1106.7	921.6	719.7	538.4	699.2	721.6	820.7	968.4	972.1	985.2	1046.9
55°	992.7	826.3	667.4	495.4	603.8	652.4	742.2	906.7	914.1	927.2	983.3
57.5°	888.0	687.9	656.2	444.9	516.0	562.7	673.0	846.8	850.6	861.8	916.0
60°	775.8	497.3	602.0	390.7	439.3	474.8	609.4	775.8	788.9	796.4	843.1
62.5°	648.7	360.8	545.9	353.3	401.9	409.4	557.1	708.5	725.3	730.9	759.0
65°	461.7	302.8	463.6	321.5	362.7	364.5	501.0	639.3	654.3	663.6	684.2
67.5°	312.2	246.8	353.3	291.6	332.8	334.6	446.8	559.0	579.5	587.0	600.1
70°	216.9	164.5	261.7	259.8	299.1	302.8	388.8	486.0	504.7	510.3	517.8
72.5°	158.9	132.7	216.9	233.7	263.6	267.3	329.0	403.8	422.5	428.1	431.8
75°	121.5	140.2	175.7	203.8	224.3	226.2	269.2	329.0	342.1	345.8	347.7
77.5°	97.2	130.9	129.0	164.5	183.2	179.5	211.2	254.2	265.5	265.5	265.5
80°	72.9	102.8	97.2	117.8	134.6	130.9	151.4	181.3	185.1	188.8	186.9
82.5°	54.2	65.4	65.4	74.8	89.7	86.0	100.9	117.8	117.8	117.8	121.5
85°	33.6	37.4	29.9	39.3	50.5	48.6	56.1	63.6	65.4	65.4	61.7
87.5°	20.6	16.8	9.3	15.0	22.4	22.4	26.2	28.0	26.2	26.2	26.2
90°	30.3	21.0	11.7	21.0	30.3	32.6	51.3	76.2	88.6	78.8	59.1
92.5°	205.3	125.9	46.6	125.9	205.3	225.1	316.4	438.2	499.0	437.3	314.1
95°	402.1	257.0	112.0	257.0	402.1	438.4	778.4	1231.8	1458.6	1301.6	987.6
97.5°	449.6	321.5	193.6	321.5	449.6	481.6	1048.6	1804.7	2182.7	2083.5	1885.0
100°	488.7	372.6	256.5	372.6	488.7	517.7	1147.0	1985.9	2405.4	2412.7	2427.2
102.5°	526.7	418.5	310.1	418.5	526.7	553.8	1192.0	2042.9	2468.4	2594.8	2847.7
105°	584.6	492.8	401.1	492.8	584.6	607.5	1225.4	2049.3	2461.4	2744.9	3311.8
107.5°	665.3	579.9	494.4	579.9	665.3	686.7	1231.7	1958.2	2321.4	2716.8	3507.7
110°	711.8	634.6	557.4	634.6	711.8	731.0	1222.3	1877.4	2204.9	2646.9	3530.9



TEST NUMBER: P935947

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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	766.3	692.7	619.1	692.7	766.3	784.7	1222.7	1806.7	2098.7	2551.1	3455.9
115°	848.2	780.3	712.4	780.3	848.2	865.2	1234.0	1725.7	1971.7	2407.4	3279.0
117.5°	927.9	866.2	804.5	866.2	927.9	943.3	1256.9	1675.1	1884.2	2277.5	3064.2
120°	974.2	916.2	858.2	916.2	974.2	988.7	1275.6	1658.0	1849.2	2208.6	2927.4
122.5°	1027.7	969.2	910.6	969.2	1027.7	1042.4	1302.4	1649.1	1822.4	2146.0	2793.3
125°	1097.8	1044.4	991.1	1044.4	1097.8	1111.2	1338.5	1641.6	1793.2	2068.1	2617.9
127.5°	1164.2	1110.2	1056.4	1110.2	1164.2	1177.6	1374.7	1637.4	1768.7	2004.8	2476.9
130°	1207.5	1149.4	1091.4	1149.4	1207.5	1221.9	1401.1	1639.9	1759.4	1969.5	2389.9
132.5°	1243.6	1185.6	1127.5	1185.6	1243.6	1258.1	1422.5	1641.7	1751.3	1939.3	2315.5
135°	1286.9	1234.0	1181.1	1234.0	1286.9	1300.1	1445.8	1640.1	1737.2	1894.8	2209.9
137.5°	1340.6	1288.3	1236.0	1288.3	1340.6	1353.6	1480.8	1650.2	1735.0	1868.2	2134.5
140°	1377.8	1329.6	1281.4	1329.6	1377.8	1389.8	1502.2	1651.9	1726.8	1841.8	2072.0
142.5°	1405.5	1360.9	1316.3	1360.9	1405.5	1416.6	1520.0	1657.9	1726.8	1827.8	2029.9
145°	1447.8	1408.9	1370.0	1408.9	1447.8	1457.5	1543.4	1657.9	1715.1	1797.7	1963.1
147.5°	1499.4	1461.5	1423.7	1461.5	1499.4	1508.8	1577.6	1669.3	1715.1	1780.1	1910.2
150°	1527.0	1492.8	1458.6	1492.8	1527.0	1535.5	1595.4	1675.2	1715.1	1770.1	1879.9
152.5°	1546.7	1520.7	1494.8	1520.7	1546.7	1553.1	1607.1	1679.1	1715.1	1762.0	1855.8
155°	1586.8	1567.6	1548.4	1567.6	1586.8	1591.5	1632.7	1687.6	1715.1	1752.4	1827.1
157.5°	1625.4	1606.8	1588.1	1606.8	1625.4	1630.0	1658.4	1696.2	1715.1	1744.2	1802.2
160°	1643.9	1629.4	1614.9	1629.4	1643.9	1647.5	1670.0	1700.0	1715.1	1740.0	1789.8
162.5°	1663.5	1652.6	1641.7	1652.6	1663.5	1666.2	1682.5	1704.2	1715.1	1736.1	1778.1
165°	1690.5	1680.6	1670.8	1680.6	1690.5	1692.9	1700.3	1710.1	1715.1	1730.1	1760.2
167.5°	1707.0	1702.3	1697.6	1702.3	1707.0	1708.2	1714.3	1722.7	1726.8	1736.6	1756.3
170°	1724.4	1719.8	1715.1	1719.8	1724.4	1725.7	1726.0	1726.5	1726.8	1736.6	1756.3
172.5°	1726.5	1725.5	1724.4	1725.5	1726.5	1726.8	1726.8	1726.8	1726.8	1734.5	1750.1
175°	1737.2	1737.2	1737.2	1737.2	1737.2	1737.2	1733.8	1729.1	1726.8	1731.7	1741.5
177.5°	1737.2	1737.2	1737.2	1737.2	1737.2	1737.2	1734.5	1730.9	1729.1	1733.0	1740.8
180°	1737.2	1737.2	1737.2	1737.2	1737.2	1737.2	1737.2	1737.2	1737.2	1737.2	1737.2



TEST NUMBER: P935947

CATALOG NUMBER: SQ4-FA-150U-075D-92765-1D-UNV-STD-W-8-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1975.9	1975.9	1975.9	1975.9	1975.9	1975.9	1975.9	1975.9	1975.9	1975.9	1975.9
2.5°	1906.7	1901.1	1908.6	1888.0	1908.6	1901.1	1906.7	1919.8	1908.6	1916.1	1923.5
5°	1673.0	1663.7	1633.8	1609.5	1633.8	1663.7	1673.0	1712.3	1731.0	1764.6	1809.5
7.5°	1495.4	1488.0	1480.5	1465.5	1480.5	1488.0	1495.4	1506.7	1525.3	1555.3	1588.9
10°	1456.2	1458.0	1469.3	1467.4	1469.3	1458.0	1456.2	1452.4	1446.8	1452.4	1473.0
12.5°	1557.1	1574.0	1635.6	1631.9	1635.6	1574.0	1557.1	1482.4	1431.9	1422.5	1426.3
15°	1673.0	1678.6	1691.7	1693.6	1691.7	1678.6	1673.0	1643.1	1491.7	1426.3	1405.7
17.5°	1684.2	1686.1	1695.5	1695.5	1695.5	1686.1	1684.2	1671.2	1620.7	1532.8	1416.9
20°	1674.9	1678.6	1697.3	1701.1	1697.3	1678.6	1674.9	1658.1	1630.0	1598.3	1510.4
22.5°	1671.2	1678.6	1693.6	1691.7	1693.6	1678.6	1671.2	1645.0	1620.7	1598.3	1562.7
25°	1652.5	1652.5	1654.3	1656.2	1654.3	1652.5	1652.5	1631.9	1583.3	1577.7	1557.1
27.5°	1613.2	1616.9	1628.2	1626.3	1628.2	1616.9	1613.2	1605.7	1553.4	1547.8	1532.8
30°	1577.7	1574.0	1564.6	1557.1	1564.6	1574.0	1577.7	1566.5	1514.1	1499.2	1502.9
32.5°	1517.9	1508.5	1499.2	1493.6	1499.2	1508.5	1517.9	1514.1	1474.9	1454.3	1458.0
35°	1446.8	1448.7	1446.8	1441.2	1446.8	1448.7	1446.8	1450.6	1426.3	1407.6	1405.7
37.5°	1396.4	1400.1	1398.2	1390.7	1398.2	1400.1	1396.4	1392.6	1359.0	1353.4	1357.1
40°	1344.0	1345.9	1344.0	1338.4	1344.0	1345.9	1344.0	1336.5	1289.8	1291.7	1304.8
42.5°	1293.5	1291.7	1286.1	1282.3	1286.1	1291.7	1293.5	1282.3	1222.5	1216.9	1241.2
45°	1235.6	1237.5	1226.2	1220.6	1226.2	1237.5	1235.6	1228.1	1166.4	1151.5	1168.3
47.5°	1177.6	1177.6	1168.3	1162.7	1168.3	1177.6	1177.6	1168.3	1103.0	1088.0	1097.3
50°	1115.9	1114.2	1101.1	1099.2	1101.1	1114.2	1115.9	1110.4	1041.3	1028.2	1028.2
52.5°	1045.0	1045.0	1046.9	1050.6	1046.9	1045.0	1045.0	1046.9	985.2	972.1	968.4
55°	983.3	985.2	998.3	1002.0	998.3	985.2	983.3	983.3	927.2	914.1	906.7
57.5°	919.8	919.8	929.1	929.1	929.1	919.8	919.8	916.0	861.8	850.6	846.8
60°	846.8	850.6	858.1	856.2	858.1	850.6	846.8	843.1	796.4	788.9	775.8
62.5°	770.2	773.9	775.8	772.1	775.8	773.9	770.2	759.0	730.9	725.3	708.5
65°	689.8	693.6	695.4	691.7	695.4	693.6	689.8	684.2	663.6	654.3	639.3
67.5°	607.6	605.7	603.8	611.3	603.8	605.7	607.6	600.1	587.0	579.5	559.0
70°	523.4	523.4	521.6	525.3	521.6	523.4	523.4	517.8	510.3	504.7	486.0
72.5°	433.7	431.8	439.3	433.7	439.3	431.8	433.7	431.8	428.1	422.5	403.8
75°	345.8	349.6	345.8	351.4	345.8	349.6	345.8	347.7	345.8	342.1	329.0
77.5°	263.6	267.3	263.6	263.6	263.6	267.3	263.6	265.5	265.5	265.5	254.2
80°	186.9	185.1	185.1	183.2	185.1	185.1	186.9	186.9	188.8	185.1	181.3
82.5°	119.6	117.8	117.8	121.5	117.8	117.8	119.6	121.5	117.8	117.8	117.8
85°	65.4	67.3	63.6	63.6	63.6	67.3	65.4	61.7	65.4	65.4	63.6
87.5°	24.3	22.4	22.4	22.4	22.4	22.4	24.3	26.2	26.2	26.2	28.0
90°	44.3	44.3	44.3	44.3	44.3	44.3	44.3	59.1	78.8	88.6	76.2
92.5°	221.5	212.7	177.5	142.3	177.5	212.7	221.5	314.1	437.3	499.0	438.2
95°	752.1	725.3	618.6	511.8	618.6	725.3	752.1	987.6	1301.6	1458.6	1231.8
97.5°	1736.1	1685.4	1482.2	1279.1	1482.2	1685.4	1736.1	1885.0	2083.5	2182.7	1804.7
100°	2438.0	2377.5	2135.5	1893.5	2135.5	2377.5	2438.0	2427.2	2412.7	2405.4	1985.9
102.5°	3037.3	2985.5	2778.2	2571.0	2778.2	2985.5	3037.3	2847.7	2594.8	2468.4	2042.9
105°	3737.0	3709.1	3597.7	3486.3	3597.7	3709.1	3737.0	3311.8	2744.9	2461.4	2049.3
107.5°	4100.7	4107.5	4134.4	4161.3	4134.4	4107.5	4100.7	3507.7	2716.8	2321.4	1958.2
110°	4194.0	4223.0	4339.1	4455.2	4339.1	4223.0	4194.0	3530.9	2646.9	2204.9	1877.4



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	4134.5	4179.1	4357.3	4535.6	4357.3	4179.1	4134.5	3455.9	2551.1	2098.7	1806.7
115°	3932.8	3994.6	4241.8	4488.9	4241.8	3994.6	3932.8	3279.0	2407.4	1971.7	1725.7
117.5°	3654.1	3722.7	3996.8	4271.0	3996.8	3722.7	3654.1	3064.2	2277.5	1884.2	1675.1
120°	3466.5	3533.0	3799.4	4065.7	3799.4	3533.0	3466.5	2927.4	2208.6	1849.2	1658.0
122.5°	3278.7	3344.4	3607.1	3869.9	3607.1	3344.4	3278.7	2793.3	2146.0	1822.4	1649.1
125°	3030.3	3090.8	3332.9	3574.9	3332.9	3090.8	3030.3	2617.9	2068.1	1793.2	1641.6
127.5°	2830.9	2882.0	3086.2	3290.4	3086.2	2882.0	2830.9	2476.9	2004.8	1768.7	1637.4
130°	2705.0	2752.2	2940.9	3129.5	2940.9	2752.2	2705.0	2389.9	1969.5	1759.4	1639.9
132.5°	2597.7	2640.0	2808.9	2977.9	2808.9	2640.0	2597.7	2315.5	1939.3	1751.3	1641.7
135°	2446.2	2482.6	2628.2	2773.8	2628.2	2482.6	2446.2	2209.9	1894.8	1737.2	1640.1
137.5°	2334.2	2364.1	2483.2	2602.4	2483.2	2364.1	2334.2	2134.5	1868.2	1735.0	1650.2
140°	2244.5	2272.4	2383.8	2495.2	2383.8	2272.4	2244.5	2072.0	1841.8	1726.8	1651.9
142.5°	2181.5	2205.4	2301.3	2397.2	2301.3	2205.4	2181.5	2029.9	1827.8	1726.8	1657.9
145°	2087.1	2105.2	2177.8	2250.3	2177.8	2105.2	2087.1	1963.1	1797.7	1715.1	1657.9
147.5°	2007.7	2022.8	2082.9	2143.0	2082.9	2022.8	2007.7	1910.2	1780.1	1715.1	1669.3
150°	1962.3	1974.5	2023.3	2072.0	2023.3	1974.5	1962.3	1879.9	1770.1	1715.1	1675.2
152.5°	1926.1	1935.3	1972.1	2009.0	1972.1	1935.3	1926.1	1855.8	1762.0	1715.1	1679.1
155°	1883.1	1889.1	1913.5	1937.8	1913.5	1889.1	1883.1	1827.1	1752.4	1715.1	1687.6
157.5°	1845.8	1850.1	1867.1	1884.2	1867.1	1850.1	1845.8	1802.2	1744.2	1715.1	1696.2
160°	1827.1	1829.5	1839.4	1849.2	1839.4	1829.5	1827.1	1789.8	1740.0	1715.1	1700.0
162.5°	1809.6	1811.9	1821.2	1830.5	1821.2	1811.9	1809.6	1778.1	1736.1	1715.1	1704.2
165°	1782.8	1785.2	1795.1	1804.9	1795.1	1785.2	1782.8	1760.2	1730.1	1715.1	1710.1
167.5°	1771.1	1772.1	1776.3	1780.4	1776.3	1772.1	1771.1	1756.3	1736.6	1726.8	1722.7
170°	1771.1	1771.1	1771.1	1771.1	1771.1	1771.1	1771.1	1756.3	1736.6	1726.8	1726.5
172.5°	1761.7	1760.8	1757.2	1753.6	1757.2	1760.8	1761.7	1750.1	1734.5	1726.8	1726.8
175°	1748.9	1748.9	1748.9	1748.9	1748.9	1748.9	1748.9	1741.5	1731.7	1726.8	1729.1
177.5°	1746.6	1745.6	1741.4	1737.2	1741.4	1745.6	1746.6	1740.8	1733.0	1729.1	1730.9
180°	1737.2	1737.2	1737.2	1737.2	1737.2	1737.2	1737.2	1737.2	1737.2	1737.2	1737.2



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1975.9	1975.9	1975.9	1975.9	1975.9
2.5°	1951.6	1960.9	1966.5	1974.0	1992.7
5°	1876.8	1912.3	1923.5	1951.6	1985.2
7.5°	1712.3	1820.7	1850.6	1917.9	1970.3
10°	1553.4	1661.8	1714.2	1873.1	1951.6
12.5°	1473.0	1536.6	1572.1	1794.5	1925.4
15°	1422.5	1467.4	1493.6	1689.9	1895.5
17.5°	1383.3	1415.1	1433.7	1587.0	1854.4
20°	1359.0	1373.9	1390.7	1512.3	1807.6
22.5°	1342.1	1332.8	1345.9	1459.9	1744.1
25°	1330.9	1295.4	1310.4	1418.8	1669.3
27.5°	1340.3	1261.8	1267.4	1381.4	1590.8
30°	1342.1	1220.6	1222.5	1342.1	1502.9
32.5°	1329.1	1177.6	1179.5	1293.5	1403.8
35°	1297.3	1127.2	1125.3	1237.5	1269.2
37.5°	1254.3	1073.0	1073.0	1175.8	1121.6
40°	1201.9	1018.8	1024.4	1095.5	990.8
42.5°	1138.4	960.9	968.4	988.9	893.6
45°	1069.3	904.8	910.4	835.6	818.8
47.5°	992.7	846.8	848.7	693.6	794.5
50°	901.1	787.0	779.5	594.5	792.6
52.5°	820.7	721.6	699.2	538.4	719.7
55°	742.2	652.4	603.8	495.4	667.4
57.5°	673.0	562.7	516.0	444.9	656.2
60°	609.4	474.8	439.3	390.7	602.0
62.5°	557.1	409.4	401.9	353.3	545.9
65°	501.0	364.5	362.7	321.5	463.6
67.5°	446.8	334.6	332.8	291.6	353.3
70°	388.8	302.8	299.1	259.8	261.7
72.5°	329.0	267.3	263.6	233.7	216.9
75°	269.2	226.2	224.3	203.8	175.7
77.5°	211.2	179.5	183.2	164.5	129.0
80°	151.4	130.9	134.6	117.8	97.2
82.5°	100.9	86.0	89.7	74.8	65.4
85°	56.1	48.6	50.5	39.3	29.9
87.5°	26.2	22.4	22.4	15.0	9.3
90°	51.3	32.6	30.3	21.0	11.7
92.5°	316.4	225.1	205.3	125.9	46.6
95°	778.4	438.4	402.1	257.0	112.0
97.5°	1048.6	481.6	449.6	321.5	193.6
100°	1147.0	517.7	488.7	372.6	256.5
102.5°	1192.0	553.8	526.7	418.5	310.1
105°	1225.4	607.5	584.6	492.8	401.1
107.5°	1231.7	686.7	665.3	579.9	494.4
110°	1222.3	731.0	711.8	634.6	557.4



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1222.7	784.7	766.3	692.7	619.1
115°	1234.0	865.2	848.2	780.3	712.4
117.5°	1256.9	943.3	927.9	866.2	804.5
120°	1275.6	988.7	974.2	916.2	858.2
122.5°	1302.4	1042.4	1027.7	969.2	910.6
125°	1338.5	1111.2	1097.8	1044.4	991.1
127.5°	1374.7	1177.6	1164.2	1110.2	1056.4
130°	1401.1	1221.9	1207.5	1149.4	1091.4
132.5°	1422.5	1258.1	1243.6	1185.6	1127.5
135°	1445.8	1300.1	1286.9	1234.0	1181.1
137.5°	1480.8	1353.6	1340.6	1288.3	1236.0
140°	1502.2	1389.8	1377.8	1329.6	1281.4
142.5°	1520.0	1416.6	1405.5	1360.9	1316.3
145°	1543.4	1457.5	1447.8	1408.9	1370.0
147.5°	1577.6	1508.8	1499.4	1461.5	1423.7
150°	1595.4	1535.5	1527.0	1492.8	1458.6
152.5°	1607.1	1553.1	1546.7	1520.7	1494.8
155°	1632.7	1591.5	1586.8	1567.6	1548.4
157.5°	1658.4	1630.0	1625.4	1606.8	1588.1
160°	1670.0	1647.5	1643.9	1629.4	1614.9
162.5°	1682.5	1666.2	1663.5	1652.6	1641.7
165°	1700.3	1692.9	1690.5	1680.6	1670.8
167.5°	1714.3	1708.2	1707.0	1702.3	1697.6
170°	1726.0	1725.7	1724.4	1719.8	1715.1
172.5°	1726.8	1726.8	1726.5	1725.5	1724.4
175°	1733.8	1737.2	1737.2	1737.2	1737.2
177.5°	1734.5	1737.2	1737.2	1737.2	1737.2
180°	1737.2	1737.2	1737.2	1737.2	1737.2



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CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	10.47	11.18	11.57	12.28	13.80	13.30	14.02	14.41	15.12	16.63
	3H	10.93	11.57	12.04	12.68	14.21	14.64	15.28	15.75	16.39	17.92
	4H	11.12	11.72	12.24	12.83	14.37	15.08	15.69	16.20	16.79	18.33
	6H	11.23	11.79	12.36	12.90	14.45	15.36	15.92	16.49	17.03	18.58
	8H	11.22	11.76	12.36	12.88	14.42	15.43	15.96	16.56	17.09	18.63
	12H	11.19	11.69	12.33	12.81	14.38	15.46	15.97	16.60	17.09	18.66
4H	2H	11.48	12.09	12.61	13.20	14.74	13.69	14.30	14.82	15.41	16.95
	3H	12.50	13.00	13.63	14.14	15.69	15.19	15.69	16.32	16.83	18.38
	4H	12.76	13.23	13.90	14.35	15.92	15.71	16.18	16.85	17.30	18.87
	6H	12.88	13.28	14.03	14.43	15.99	16.07	16.47	17.21	17.62	19.18
	8H	12.88	13.26	14.03	14.39	15.97	16.17	16.55	17.32	17.69	19.26
	12H	12.84	13.18	14.00	14.33	15.91	16.23	16.56	17.39	17.71	19.30
8H	4H	13.21	13.58	14.35	14.72	16.30	15.82	16.20	16.97	17.33	18.91
	6H	13.46	13.77	14.63	14.95	16.53	16.26	16.56	17.42	17.74	19.32
	8H	13.50	13.77	14.67	14.93	16.53	16.41	16.68	17.58	17.84	19.43
	12H	13.48	13.72	14.66	14.87	16.50	16.50	16.74	17.68	17.89	19.52
12H	4H	13.21	13.54	14.37	14.69	16.28	15.78	16.12	16.94	17.27	18.85
	6H	13.52	13.79	14.69	14.95	16.55	16.25	16.52	17.42	17.68	19.28
	8H	13.58	13.82	14.76	14.98	16.60	16.41	16.64	17.58	17.80	19.43