

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: P935968

Luminaire Tested: SQ4-FA-150U-075D-93050-1D-UNV-STD-W-8-5000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935968
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-93050-1D-UNV-STD-W-8-5000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

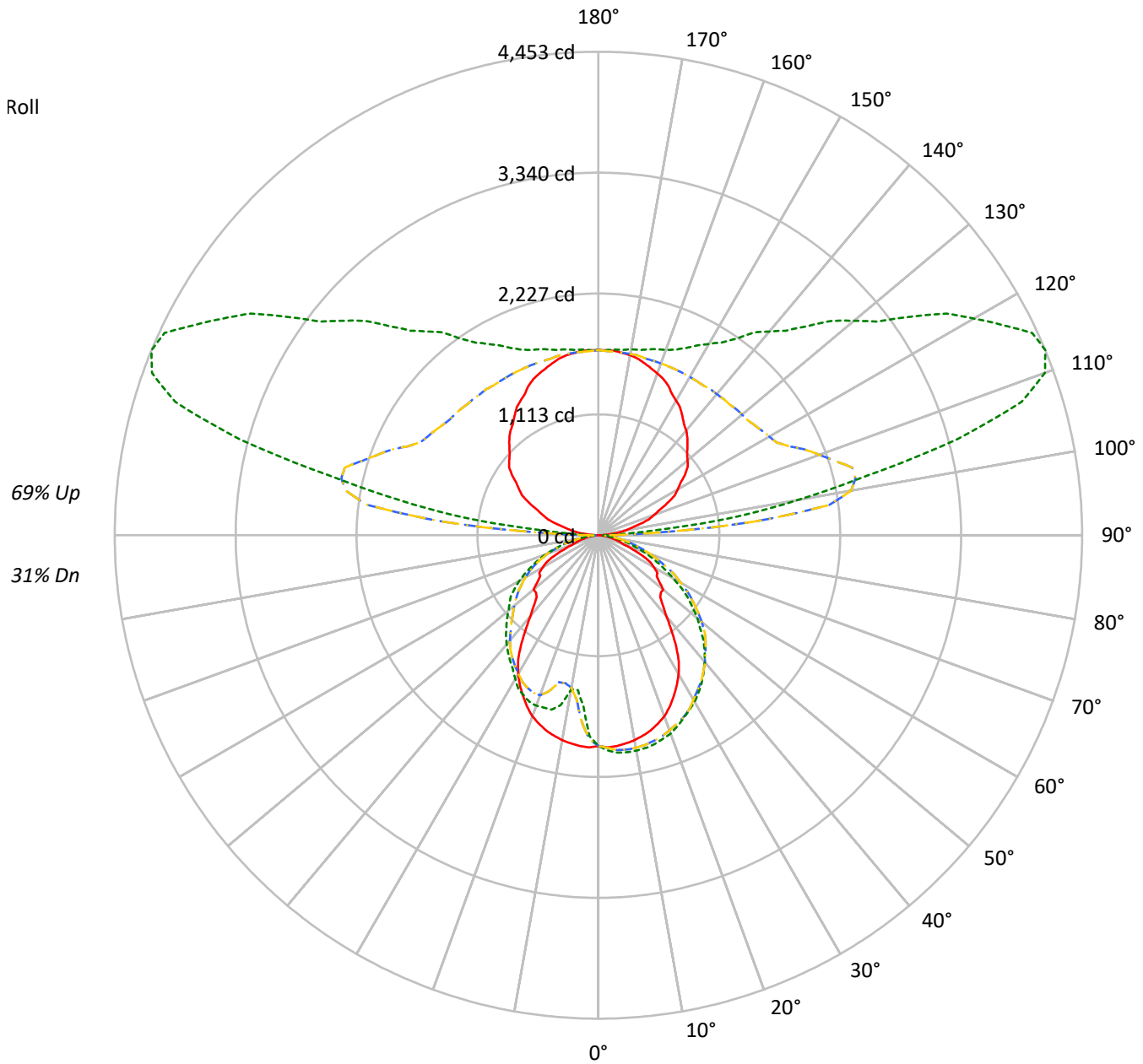
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16093.6 lumens
Efficiency: N/A
Efficacy: 126.5 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

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Luminous Intensity Polar Plot



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



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	103	103	103	103	92	92	92	92	73	73	73	55	55	55	39	39	39	31
1	94	89	86	82	84	81	77	75	64	62	60	49	47	46	34	34	33	26
2	85	78	72	67	76	70	65	61	56	52	49	43	40	38	30	29	28	22
3	78	69	61	56	70	62	56	51	49	45	42	38	35	32	27	25	24	19
4	71	61	53	47	64	55	48	43	44	39	35	33	30	28	24	22	20	16
5	65	54	46	40	58	49	42	37	39	34	30	30	27	24	22	19	18	14
6	60	48	40	35	54	44	37	32	35	30	26	27	23	21	19	17	15	12
7	55	43	36	30	49	39	33	28	32	27	23	24	21	18	18	15	14	11
8	51	39	32	27	46	36	29	24	29	24	20	22	19	16	16	14	12	10
9	47	36	28	23	43	32	26	22	26	21	18	20	17	14	15	13	11	9
10	44	33	26	21	40	30	23	19	24	19	16	19	15	13	14	12	10	8

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	9000	9000	9000	9000
5°	9068	9086	9068	7144
10°	9007	8950	9007	6398
15°	8909	8756	8909	7311
20°	8723	8526	8723	7326
25°	8341	8191	8341	7171
30°	7849	7913	7849	6830
35°	6997	7561	6997	6456
40°	5831	7147	5831	6172
45°	5210	6662	5210	5847
50°	5535	6084	5535	5521
55°	5207	5461	5207	5332
60°	5368	4638	5368	4883
65°	4867	3834	4867	4286
70°	3371	3056	3371	3592
75°	2954	2259	2954	2705
80°	2380	1493	2380	1626
85°	1369	791	1369	672

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 7984 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	175.1	1.1
10°-20°	497.2	3.1
20°-30°	768.6	4.8
30°-40°	917.5	5.7
40°-50°	922.9	5.7
50°-60°	803.0	5.0
60°-70°	569.4	3.5
70°-80°	301.2	1.9
80°-90°	81.5	0.5
90°-100°	831.4	5.2
100°-110°	2185.9	13.6
110°-120°	2266.5	14.1
120°-130°	1818.0	11.3
130°-140°	1426.5	8.9
140°-150°	1094.9	6.8
150°-160°	788.5	4.9
160°-170°	482.5	3.0
170°-180°	163.0	1.0
0°-30°	1440.9	9.0
0°-40°	2358.3	14.7
0°-60°	4084.3	25.4
0°-90°	5036.4	31.3
90°-120°	5283.8	32.8
90°-150°	9623.2	59.8
90°-180°	11057.0	68.7
0°-180°	16093.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1940	1940	1940	1940	1940	
5°	1949	2010	1949	1580	1949	185
15°	1861	1991	1861	1663	1861	524
25°	1639	1857	1639	1626	1639	753
35°	1246	1657	1246	1415	1246	771
45°	804	1365	804	1198	804	644
55°	655	1008	655	984	655	602
65°	455	608	455	679	455	435
75°	172	288	172	345	172	181
85°	29	73	29	62	29	40
90°	12	44	12	44	12	11
95°	110	502	110	502	110	122
105°	394	3423	394	3423	394	417
115°	700	4407	700	4407	700	691
125°	973	3510	973	3510	973	864
135°	1160	2723	1160	2723	1160	897
145°	1345	2209	1345	2209	1345	843
155°	1520	1903	1520	1903	1520	699
165°	1640	1772	1640	1772	1640	463
175°	1706	1717	1706	1717	1706	162
180°	1706	1706	1706	1706	1706	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9
2.5°	1956.4	1956.4	1967.4	1971.1	1971.1	1965.6	1960.1	1965.6	1982.1	1987.6	1985.8
5°	1949.1	1963.8	1984.0	1987.6	1991.3	1989.5	1985.8	1989.5	2007.8	2011.5	2013.3
7.5°	1934.4	1961.9	1987.6	1993.1	1998.6	1993.1	1991.3	1995.0	2013.3	2017.0	2017.0
10°	1916.1	1954.6	1984.0	1987.6	1993.1	1987.6	1987.6	1995.0	2013.3	2017.0	2018.8
12.5°	1890.4	1943.6	1971.1	1974.8	1982.1	1980.3	1978.5	1985.8	2004.2	2007.8	2007.8
15°	1861.0	1923.4	1949.1	1952.8	1965.6	1961.9	1961.9	1969.3	1989.5	1995.0	1993.1
17.5°	1820.6	1897.7	1927.1	1932.6	1941.8	1939.9	1941.8	1949.1	1967.4	1971.1	1973.0
20°	1774.7	1862.8	1897.7	1903.2	1912.4	1912.4	1912.4	1921.6	1939.9	1947.3	1947.3
22.5°	1712.3	1826.1	1862.8	1866.5	1877.5	1877.5	1881.2	1894.0	1910.5	1912.4	1912.4
25°	1638.9	1785.7	1816.9	1828.0	1839.0	1844.5	1850.0	1857.3	1862.8	1861.0	1862.8
27.5°	1561.8	1734.4	1774.7	1782.1	1796.8	1802.3	1809.6	1811.4	1813.3	1818.8	1815.1
30°	1475.6	1662.8	1723.3	1730.7	1754.5	1758.2	1750.9	1754.5	1763.7	1767.4	1771.1
32.5°	1378.3	1556.3	1670.1	1686.6	1708.7	1697.6	1695.8	1701.3	1716.0	1716.0	1719.7
35°	1246.1	1473.7	1620.6	1635.2	1651.8	1638.9	1646.3	1648.1	1657.3	1662.8	1660.9
37.5°	1101.1	1402.1	1569.2	1580.2	1593.0	1576.5	1587.5	1593.0	1600.4	1596.7	1596.7
40°	972.8	1290.2	1508.6	1515.9	1527.0	1514.1	1525.1	1528.8	1532.5	1528.8	1527.0
42.5°	877.3	1167.2	1444.4	1453.5	1446.2	1455.4	1459.0	1466.4	1460.9	1453.5	1453.5
45°	803.9	1134.2	1374.6	1385.6	1374.6	1389.3	1394.8	1394.8	1378.3	1374.6	1372.8
47.5°	780.0	1068.2	1304.9	1304.9	1299.4	1317.7	1326.9	1314.0	1297.5	1292.0	1292.0
50°	778.2	994.8	1209.4	1202.1	1227.8	1249.8	1240.6	1227.8	1214.9	1194.7	1194.7
52.5°	706.6	904.8	1086.6	1114.0	1154.4	1167.2	1152.5	1139.7	1117.7	1108.5	1101.1
55°	655.2	811.2	974.6	1029.7	1071.9	1088.4	1060.9	1048.0	1015.0	1009.5	1005.8
57.5°	644.2	675.4	871.8	941.6	992.9	991.1	974.6	950.7	923.2	917.7	915.9
60°	591.0	488.2	761.7	844.3	897.5	892.0	877.3	855.3	829.6	825.9	822.3
62.5°	535.9	354.2	636.9	730.5	805.7	803.9	791.1	758.0	739.7	730.5	723.1
65°	455.2	297.3	453.3	607.5	715.8	719.5	691.9	668.1	647.9	636.9	635.0
67.5°	346.9	242.3	306.5	506.6	629.5	625.9	591.0	580.0	554.3	548.8	537.8
70°	257.0	161.5	212.9	411.1	545.1	535.9	508.4	495.6	471.7	458.8	451.5
72.5°	212.9	130.3	156.0	319.4	458.8	447.8	424.0	409.3	389.1	378.1	370.7
75°	172.5	137.7	119.3	236.8	372.6	365.2	343.2	328.5	312.0	297.3	299.2
77.5°	126.6	128.5	95.4	174.4	295.5	284.5	271.6	253.3	245.9	231.3	231.3
80°	95.4	100.9	71.6	119.3	212.9	212.9	201.9	189.0	176.2	168.9	168.9
82.5°	64.2	64.2	53.2	75.3	145.0	139.5	132.1	128.5	121.1	117.5	117.5
85°	29.4	36.7	33.0	45.9	78.9	82.6	82.6	78.9	77.1	73.4	75.3
87.5°	9.2	16.5	20.2	25.7	40.4	42.2	44.0	44.0	44.0	45.9	45.9
90°	11.5	20.6	29.7	32.0	50.4	74.8	87.0	77.4	58.0	43.5	43.5
92.5°	45.8	123.6	201.5	221.0	310.6	430.2	490.0	429.4	308.3	217.5	208.9
95°	109.9	252.4	394.8	430.4	764.3	1209.4	1432.1	1277.9	969.6	738.4	712.1
97.5°	190.1	315.7	441.4	472.8	1029.6	1771.9	2143.0	2045.5	1850.7	1704.5	1654.7
100°	251.8	365.8	479.8	508.3	1126.1	1949.7	2361.6	2368.8	2383.0	2393.6	2334.2
102.5°	304.5	410.9	517.1	543.7	1170.3	2005.7	2423.4	2547.6	2795.8	2982.0	2931.2
105°	393.8	483.8	573.9	596.4	1203.1	2012.0	2416.6	2694.9	3251.5	3668.9	3641.6
107.5°	485.4	569.3	653.2	674.2	1209.2	1922.6	2279.2	2667.4	3443.8	4026.1	4032.7
110°	547.2	623.0	698.8	717.7	1200.1	1843.2	2164.8	2598.7	3466.7	4117.7	4146.1



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	607.9	680.1	752.3	770.4	1200.4	1773.8	2060.5	2504.7	3393.0	4059.2	4103.0
115°	699.5	766.1	832.7	849.4	1211.5	1694.3	1935.8	2363.6	3219.4	3861.2	3921.9
117.5°	789.9	850.4	911.0	926.1	1234.0	1644.6	1849.9	2236.1	3008.4	3587.6	3654.9
120°	842.5	899.5	956.5	970.7	1252.4	1627.8	1815.6	2168.4	2874.1	3403.4	3468.7
122.5°	894.0	951.6	1009.0	1023.4	1278.7	1619.1	1789.2	2106.9	2742.4	3219.0	3283.5
125°	973.0	1025.4	1077.8	1091.0	1314.1	1611.7	1760.6	2030.5	2570.3	2975.2	3034.5
127.5°	1037.2	1090.0	1143.0	1156.2	1349.7	1607.6	1736.6	1968.3	2431.8	2779.4	2829.5
130°	1071.5	1128.5	1185.5	1199.7	1375.6	1610.1	1727.4	1933.7	2346.4	2655.8	2702.2
132.5°	1107.0	1164.0	1221.0	1235.2	1396.6	1611.8	1719.4	1904.0	2273.4	2550.5	2591.9
135°	1159.6	1211.5	1263.5	1276.4	1419.5	1610.3	1705.6	1860.4	2169.7	2401.7	2437.4
137.5°	1213.5	1264.9	1316.2	1329.0	1453.8	1620.2	1703.4	1834.2	2095.6	2291.8	2321.0
140°	1258.1	1305.4	1352.7	1364.5	1474.8	1621.8	1695.3	1808.3	2034.3	2203.7	2231.0
142.5°	1292.4	1336.2	1379.9	1390.9	1492.4	1627.7	1695.3	1794.6	1993.0	2141.8	2165.3
145°	1345.1	1383.2	1421.4	1431.0	1515.3	1627.7	1683.9	1765.0	1927.3	2049.1	2066.9
147.5°	1397.7	1434.9	1472.1	1481.3	1548.9	1638.9	1683.9	1747.8	1875.4	1971.2	1986.0
150°	1432.1	1465.7	1499.2	1507.6	1566.3	1644.7	1683.9	1737.8	1845.7	1926.6	1938.5
152.5°	1467.6	1493.0	1518.5	1524.8	1577.9	1648.5	1683.9	1729.9	1822.0	1891.1	1900.1
155°	1520.3	1539.1	1557.9	1562.6	1603.0	1656.9	1683.9	1720.5	1793.8	1848.8	1854.8
157.5°	1559.2	1577.5	1595.8	1600.4	1628.2	1665.3	1683.9	1712.4	1769.4	1812.2	1816.4
160°	1585.5	1599.7	1614.0	1617.5	1639.6	1669.1	1683.9	1708.3	1757.2	1793.8	1796.2
162.5°	1611.8	1622.5	1633.2	1635.9	1651.9	1673.2	1683.9	1704.5	1745.7	1776.7	1779.0
165°	1640.4	1650.0	1659.7	1662.1	1669.4	1679.0	1683.9	1698.7	1728.2	1750.3	1752.7
167.5°	1666.7	1671.3	1675.9	1677.1	1683.1	1691.3	1695.3	1705.0	1724.3	1738.8	1739.9
170°	1683.9	1688.5	1693.1	1694.2	1694.6	1695.1	1695.3	1705.0	1724.3	1738.8	1738.8
172.5°	1693.1	1694.1	1695.1	1695.3	1695.3	1695.3	1695.3	1703.0	1718.2	1729.7	1728.8
175°	1705.6	1705.6	1705.6	1705.6	1702.2	1697.6	1695.3	1700.2	1709.8	1717.1	1717.1
177.5°	1705.6	1705.6	1705.6	1705.6	1703.0	1699.4	1697.6	1701.5	1709.1	1714.8	1713.8
180°	1705.6	1705.6	1705.6	1705.6	1705.6	1705.6	1705.6	1705.6	1705.6	1705.6	1705.6



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9
2.5°	1989.5	1984.0	1989.5	1985.8	1987.6	1982.1	1965.6	1960.1	1965.6	1971.1	1971.1
5°	2013.3	2009.7	2013.3	2013.3	2011.5	2007.8	1989.5	1985.8	1989.5	1991.3	1987.6
7.5°	2020.7	2015.2	2020.7	2017.0	2017.0	2013.3	1995.0	1991.3	1993.1	1998.6	1993.1
10°	2020.7	2015.2	2020.7	2018.8	2017.0	2013.3	1995.0	1987.6	1987.6	1993.1	1987.6
12.5°	2011.5	2007.8	2011.5	2007.8	2007.8	2004.2	1985.8	1978.5	1980.3	1982.1	1974.8
15°	1996.8	1991.3	1996.8	1993.1	1995.0	1989.5	1969.3	1961.9	1961.9	1965.6	1952.8
17.5°	1974.8	1967.4	1974.8	1973.0	1971.1	1967.4	1949.1	1941.8	1939.9	1941.8	1932.6
20°	1949.1	1943.6	1949.1	1947.3	1947.3	1939.9	1921.6	1912.4	1912.4	1912.4	1903.2
22.5°	1908.7	1903.2	1908.7	1912.4	1912.4	1910.5	1894.0	1881.2	1877.5	1877.5	1866.5
25°	1862.8	1857.3	1862.8	1862.8	1861.0	1862.8	1857.3	1850.0	1844.5	1839.0	1828.0
27.5°	1818.8	1815.1	1818.8	1815.1	1818.8	1813.3	1811.4	1809.6	1802.3	1796.8	1782.1
30°	1774.7	1771.1	1774.7	1771.1	1767.4	1763.7	1754.5	1750.9	1758.2	1754.5	1730.7
32.5°	1719.7	1716.0	1719.7	1719.7	1716.0	1716.0	1701.3	1695.8	1697.6	1708.7	1686.6
35°	1662.8	1657.3	1662.8	1660.9	1662.8	1657.3	1648.1	1646.3	1638.9	1651.8	1635.2
37.5°	1596.7	1591.2	1596.7	1596.7	1596.7	1600.4	1593.0	1587.5	1576.5	1593.0	1580.2
40°	1528.8	1521.4	1528.8	1527.0	1528.8	1532.5	1528.8	1525.1	1514.1	1527.0	1515.9
42.5°	1451.7	1449.9	1451.7	1453.5	1453.5	1460.9	1466.4	1459.0	1455.4	1446.2	1453.5
45°	1369.1	1365.4	1369.1	1372.8	1374.6	1378.3	1394.8	1394.8	1389.3	1374.6	1385.6
47.5°	1281.0	1271.8	1281.0	1292.0	1292.0	1297.5	1314.0	1326.9	1317.7	1299.4	1304.9
50°	1187.4	1189.2	1187.4	1194.7	1194.7	1214.9	1227.8	1240.6	1249.8	1227.8	1202.1
52.5°	1095.6	1093.9	1095.6	1101.1	1108.5	1117.7	1139.7	1152.5	1167.2	1154.4	1114.0
55°	1004.0	1007.6	1004.0	1005.8	1009.5	1015.0	1048.0	1060.9	1088.4	1071.9	1029.7
57.5°	912.2	906.7	912.2	915.9	917.7	923.2	950.7	974.6	991.1	992.9	941.6
60°	805.7	798.4	805.7	822.3	825.9	829.6	855.3	877.3	892.0	897.5	844.3
62.5°	712.1	699.3	712.1	723.1	730.5	739.7	758.0	791.1	803.9	805.7	730.5
65°	613.0	607.5	613.0	635.0	636.9	647.9	668.1	691.9	719.5	715.8	607.5
67.5°	523.1	523.1	523.1	537.8	548.8	554.3	580.0	591.0	625.9	629.5	506.6
70°	440.5	438.7	440.5	451.5	458.8	471.7	495.6	508.4	535.9	545.1	411.1
72.5°	361.6	359.7	361.6	370.7	378.1	389.1	409.3	424.0	447.8	458.8	319.4
75°	291.8	288.2	291.8	299.2	297.3	312.0	328.5	343.2	365.2	372.6	236.8
77.5°	223.9	223.9	223.9	231.3	231.3	245.9	253.3	271.6	284.5	295.5	174.4
80°	167.0	165.2	167.0	168.9	168.9	176.2	189.0	201.9	212.9	212.9	119.3
82.5°	117.5	113.8	117.5	117.5	117.5	121.1	128.5	132.1	139.5	145.0	75.3
85°	73.4	73.4	73.4	75.3	73.4	77.1	78.9	82.6	82.6	78.9	45.9
87.5°	47.7	45.9	47.7	45.9	45.9	44.0	44.0	44.0	42.2	40.4	25.7
90°	43.5	43.5	43.5	43.5	43.5	58.0	77.4	87.0	74.8	50.4	32.0
92.5°	174.3	139.7	174.3	208.9	217.5	308.3	429.4	490.0	430.2	310.6	221.0
95°	607.3	502.5	607.3	712.1	738.4	969.6	1277.9	1432.1	1209.4	764.3	430.4
97.5°	1455.2	1255.8	1455.2	1654.7	1704.5	1850.7	2045.5	2143.0	1771.9	1029.6	472.8
100°	2096.7	1859.1	2096.7	2334.2	2393.6	2383.0	2368.8	2361.6	1949.7	1126.1	508.3
102.5°	2727.7	2524.2	2727.7	2931.2	2982.0	2795.8	2547.6	2423.4	2005.7	1170.3	543.7
105°	3532.2	3422.8	3532.2	3641.6	3668.9	3251.5	2694.9	2416.6	2012.0	1203.1	596.4
107.5°	4059.1	4085.6	4059.1	4032.7	4026.1	3443.8	2667.4	2279.2	1922.6	1209.2	674.2
110°	4260.1	4374.1	4260.1	4146.1	4117.7	3466.7	2598.7	2164.8	1843.2	1200.1	717.7



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	4278.0	4453.0	4278.0	4103.0	4059.2	3393.0	2504.7	2060.5	1773.8	1200.4	770.4
115°	4164.6	4407.2	4164.6	3921.9	3861.2	3219.4	2363.6	1935.8	1694.3	1211.5	849.4
117.5°	3924.1	4193.2	3924.1	3654.9	3587.6	3008.4	2236.1	1849.9	1644.6	1234.0	926.1
120°	3730.2	3991.7	3730.2	3468.7	3403.4	2874.1	2168.4	1815.6	1627.8	1252.4	970.7
122.5°	3541.5	3799.4	3541.5	3283.5	3219.0	2742.4	2106.9	1789.2	1619.1	1278.7	1023.4
125°	3272.2	3509.8	3272.2	3034.5	2975.2	2570.3	2030.5	1760.6	1611.7	1314.1	1091.0
127.5°	3030.0	3230.5	3030.0	2829.5	2779.4	2431.8	1968.3	1736.6	1607.6	1349.7	1156.2
130°	2887.3	3072.5	2887.3	2702.2	2655.8	2346.4	1933.7	1727.4	1610.1	1375.6	1199.7
132.5°	2757.8	2923.7	2757.8	2591.9	2550.5	2273.4	1904.0	1719.4	1611.8	1396.6	1235.2
135°	2580.4	2723.4	2580.4	2437.4	2401.7	2169.7	1860.4	1705.6	1610.3	1419.5	1276.4
137.5°	2438.0	2555.0	2438.0	2321.0	2291.8	2095.6	1834.2	1703.4	1620.2	1453.8	1329.0
140°	2340.4	2449.8	2340.4	2231.0	2203.7	2034.3	1808.3	1695.3	1621.8	1474.8	1364.5
142.5°	2259.5	2353.6	2259.5	2165.3	2141.8	1993.0	1794.6	1695.3	1627.7	1492.4	1390.9
145°	2138.1	2209.4	2138.1	2066.9	2049.1	1927.3	1765.0	1683.9	1627.7	1515.3	1431.0
147.5°	2045.0	2104.0	2045.0	1986.0	1971.2	1875.4	1747.8	1683.9	1638.9	1548.9	1481.3
150°	1986.4	2034.3	1986.4	1938.5	1926.6	1845.7	1737.8	1683.9	1644.7	1566.3	1507.6
152.5°	1936.2	1972.4	1936.2	1900.1	1891.1	1822.0	1729.9	1683.9	1648.5	1577.9	1524.8
155°	1878.7	1902.6	1878.7	1854.8	1848.8	1793.8	1720.5	1683.9	1656.9	1603.0	1562.6
157.5°	1833.1	1849.9	1833.1	1816.4	1812.2	1769.4	1712.4	1683.9	1665.3	1628.2	1600.4
160°	1805.9	1815.6	1805.9	1796.2	1793.8	1757.2	1708.3	1683.9	1669.1	1639.6	1617.5
162.5°	1788.0	1797.2	1788.0	1779.0	1776.7	1745.7	1704.5	1683.9	1673.2	1651.9	1635.9
165°	1762.4	1772.1	1762.4	1752.7	1750.3	1728.2	1698.7	1683.9	1679.0	1669.4	1662.1
167.5°	1744.0	1748.0	1744.0	1739.9	1738.8	1724.3	1705.0	1695.3	1691.3	1683.1	1677.1
170°	1738.8	1738.8	1738.8	1738.8	1738.8	1724.3	1705.0	1695.3	1695.1	1694.6	1694.2
172.5°	1725.3	1721.7	1725.3	1728.8	1729.7	1718.2	1703.0	1695.3	1695.3	1695.3	1695.3
175°	1717.1	1717.1	1717.1	1717.1	1717.1	1709.8	1700.2	1695.3	1697.6	1702.2	1705.6
177.5°	1709.7	1705.6	1709.7	1713.8	1714.8	1709.1	1701.5	1697.6	1699.4	1703.0	1705.6
180°	1705.6	1705.6	1705.6	1705.6	1705.6	1705.6	1705.6	1705.6	1705.6	1705.6	1705.6



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9
2.5°	1967.4	1956.4	1956.4	1938.1	1930.7	1925.2	1916.1	1888.5	1881.2	1873.8	1884.9
5°	1984.0	1963.8	1949.1	1916.1	1888.5	1877.5	1842.6	1776.6	1732.5	1699.5	1681.1
7.5°	1987.6	1961.9	1934.4	1883.0	1816.9	1787.6	1681.1	1560.0	1527.0	1497.6	1479.2
10°	1984.0	1954.6	1916.1	1839.0	1683.0	1631.6	1525.1	1446.2	1426.0	1420.5	1426.0
12.5°	1971.1	1943.6	1890.4	1761.9	1543.5	1508.6	1446.2	1400.3	1396.6	1405.8	1455.4
15°	1949.1	1923.4	1861.0	1659.1	1466.4	1440.7	1396.6	1380.1	1400.3	1464.5	1613.2
17.5°	1927.1	1897.7	1820.6	1558.2	1407.7	1389.3	1358.1	1391.1	1504.9	1591.2	1640.7
20°	1897.7	1862.8	1774.7	1484.7	1365.4	1348.9	1334.2	1482.9	1569.2	1600.4	1627.9
22.5°	1862.8	1826.1	1712.3	1433.3	1321.4	1308.5	1317.7	1534.3	1569.2	1591.2	1615.1
25°	1816.9	1785.7	1638.9	1393.0	1286.5	1271.8	1306.7	1528.8	1549.0	1554.5	1602.2
27.5°	1774.7	1734.4	1561.8	1356.3	1244.3	1238.8	1315.9	1504.9	1519.6	1525.1	1576.5
30°	1723.3	1662.8	1475.6	1317.7	1200.3	1198.4	1317.7	1475.6	1471.9	1486.6	1538.0
32.5°	1670.1	1556.3	1378.3	1270.0	1158.0	1156.2	1304.9	1431.5	1427.8	1448.0	1486.6
35°	1620.6	1473.7	1246.1	1214.9	1104.8	1106.6	1273.7	1380.1	1382.0	1400.3	1424.2
37.5°	1569.2	1402.1	1101.1	1154.4	1053.5	1053.5	1231.5	1332.4	1328.7	1334.2	1367.3
40°	1508.6	1290.2	972.8	1075.5	1005.8	1000.3	1180.1	1281.0	1268.2	1266.3	1312.2
42.5°	1444.4	1167.2	877.3	970.9	950.7	943.4	1117.7	1218.6	1194.7	1200.3	1259.0
45°	1374.6	1134.2	803.9	820.4	893.8	888.3	1049.8	1147.0	1130.5	1145.2	1205.8
47.5°	1304.9	1068.2	780.0	680.9	833.3	831.4	974.6	1077.4	1068.2	1082.9	1147.0
50°	1209.4	994.8	778.2	583.7	765.4	772.7	884.7	1009.5	1009.5	1022.3	1090.2
52.5°	1086.6	904.8	706.6	528.6	686.4	708.5	805.7	950.7	954.4	967.3	1027.8
55°	974.6	811.2	655.2	486.4	592.8	640.6	728.6	890.2	897.5	910.4	965.4
57.5°	871.8	675.4	644.2	436.8	506.6	552.5	660.7	831.4	835.1	846.1	899.3
60°	761.7	488.2	591.0	383.6	431.3	466.2	598.3	761.7	774.5	781.9	827.8
62.5°	636.9	354.2	535.9	346.9	394.6	402.0	546.9	695.6	712.1	717.6	745.2
65°	453.3	297.3	455.2	315.7	356.1	357.9	491.9	627.7	642.4	651.6	671.8
67.5°	306.5	242.3	346.9	286.3	326.7	328.5	438.7	548.8	569.0	576.3	589.2
70°	212.9	161.5	257.0	255.1	293.7	297.3	381.8	477.2	495.6	501.1	508.4
72.5°	156.0	130.3	212.9	229.4	258.8	262.5	323.0	396.4	414.8	420.3	424.0
75°	119.3	137.7	172.5	200.1	220.2	222.1	264.3	323.0	335.9	339.5	341.4
77.5°	95.4	128.5	126.6	161.5	179.9	176.2	207.4	249.6	260.6	260.6	260.6
80°	71.6	100.9	95.4	115.6	132.1	128.5	148.7	178.0	181.7	185.4	183.5
82.5°	53.2	64.2	64.2	73.4	88.1	84.4	99.1	115.6	115.6	115.6	119.3
85°	33.0	36.7	29.4	38.5	49.6	47.7	55.1	62.4	64.2	64.2	60.6
87.5°	20.2	16.5	9.2	14.7	22.0	22.0	25.7	27.5	25.7	25.7	25.7
90°	29.7	20.6	11.5	20.6	29.7	32.0	50.4	74.8	87.0	77.4	58.0
92.5°	201.5	123.6	45.8	123.6	201.5	221.0	310.6	430.2	490.0	429.4	308.3
95°	394.8	252.4	109.9	252.4	394.8	430.4	764.3	1209.4	1432.1	1277.9	969.6
97.5°	441.4	315.7	190.1	315.7	441.4	472.8	1029.6	1771.9	2143.0	2045.5	1850.7
100°	479.8	365.8	251.8	365.8	479.8	508.3	1126.1	1949.7	2361.6	2368.8	2383.0
102.5°	517.1	410.9	304.5	410.9	517.1	543.7	1170.3	2005.7	2423.4	2547.6	2795.8
105°	573.9	483.8	393.8	483.8	573.9	596.4	1203.1	2012.0	2416.6	2694.9	3251.5
107.5°	653.2	569.3	485.4	569.3	653.2	674.2	1209.2	1922.6	2279.2	2667.4	3443.8
110°	698.8	623.0	547.2	623.0	698.8	717.7	1200.1	1843.2	2164.8	2598.7	3466.7



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	752.3	680.1	607.9	680.1	752.3	770.4	1200.4	1773.8	2060.5	2504.7	3393.0
115°	832.7	766.1	699.5	766.1	832.7	849.4	1211.5	1694.3	1935.8	2363.6	3219.4
117.5°	911.0	850.4	789.9	850.4	911.0	926.1	1234.0	1644.6	1849.9	2236.1	3008.4
120°	956.5	899.5	842.5	899.5	956.5	970.7	1252.4	1627.8	1815.6	2168.4	2874.1
122.5°	1009.0	951.6	894.0	951.6	1009.0	1023.4	1278.7	1619.1	1789.2	2106.9	2742.4
125°	1077.8	1025.4	973.0	1025.4	1077.8	1091.0	1314.1	1611.7	1760.6	2030.5	2570.3
127.5°	1143.0	1090.0	1037.2	1090.0	1143.0	1156.2	1349.7	1607.6	1736.6	1968.3	2431.8
130°	1185.5	1128.5	1071.5	1128.5	1185.5	1199.7	1375.6	1610.1	1727.4	1933.7	2346.4
132.5°	1221.0	1164.0	1107.0	1164.0	1221.0	1235.2	1396.6	1611.8	1719.4	1904.0	2273.4
135°	1263.5	1211.5	1159.6	1211.5	1263.5	1276.4	1419.5	1610.3	1705.6	1860.4	2169.7
137.5°	1316.2	1264.9	1213.5	1264.9	1316.2	1329.0	1453.8	1620.2	1703.4	1834.2	2095.6
140°	1352.7	1305.4	1258.1	1305.4	1352.7	1364.5	1474.8	1621.8	1695.3	1808.3	2034.3
142.5°	1379.9	1336.2	1292.4	1336.2	1379.9	1390.9	1492.4	1627.7	1695.3	1794.6	1993.0
145°	1421.4	1383.2	1345.1	1383.2	1421.4	1431.0	1515.3	1627.7	1683.9	1765.0	1927.3
147.5°	1472.1	1434.9	1397.7	1434.9	1472.1	1481.3	1548.9	1638.9	1683.9	1747.8	1875.4
150°	1499.2	1465.7	1432.1	1465.7	1499.2	1507.6	1566.3	1644.7	1683.9	1737.8	1845.7
152.5°	1518.5	1493.0	1467.6	1493.0	1518.5	1524.8	1577.9	1648.5	1683.9	1729.9	1822.0
155°	1557.9	1539.1	1520.3	1539.1	1557.9	1562.6	1603.0	1656.9	1683.9	1720.5	1793.8
157.5°	1595.8	1577.5	1559.2	1577.5	1595.8	1600.4	1628.2	1665.3	1683.9	1712.4	1769.4
160°	1614.0	1599.7	1585.5	1599.7	1614.0	1617.5	1639.6	1669.1	1683.9	1708.3	1757.2
162.5°	1633.2	1622.5	1611.8	1622.5	1633.2	1635.9	1651.9	1673.2	1683.9	1704.5	1745.7
165°	1659.7	1650.0	1640.4	1650.0	1659.7	1662.1	1669.4	1679.0	1683.9	1698.7	1728.2
167.5°	1675.9	1671.3	1666.7	1671.3	1675.9	1677.1	1683.1	1691.3	1695.3	1705.0	1724.3
170°	1693.1	1688.5	1683.9	1688.5	1693.1	1694.2	1694.6	1695.1	1695.3	1705.0	1724.3
172.5°	1695.1	1694.1	1693.1	1694.1	1695.1	1695.3	1695.3	1695.3	1695.3	1703.0	1718.2
175°	1705.6	1705.6	1705.6	1705.6	1705.6	1705.6	1702.2	1697.6	1695.3	1700.2	1709.8
177.5°	1705.6	1705.6	1705.6	1705.6	1705.6	1705.6	1703.0	1699.4	1697.6	1701.5	1709.1
180°	1705.6	1705.6	1705.6	1705.6	1705.6	1705.6	1705.6	1705.6	1705.6	1705.6	1705.6



TEST NUMBER: P935968
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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9
2.5°	1872.0	1866.5	1873.8	1853.7	1873.8	1866.5	1872.0	1884.9	1873.8	1881.2	1888.5
5°	1642.6	1633.4	1604.0	1580.2	1604.0	1633.4	1642.6	1681.1	1699.5	1732.5	1776.6
7.5°	1468.2	1460.9	1453.5	1438.9	1453.5	1460.9	1468.2	1479.2	1497.6	1527.0	1560.0
10°	1429.7	1431.5	1442.5	1440.7	1442.5	1431.5	1429.7	1426.0	1420.5	1426.0	1446.2
12.5°	1528.8	1545.3	1605.9	1602.2	1605.9	1545.3	1528.8	1455.4	1405.8	1396.6	1400.3
15°	1642.6	1648.1	1660.9	1662.8	1660.9	1648.1	1642.6	1613.2	1464.5	1400.3	1380.1
17.5°	1653.6	1655.4	1664.6	1664.6	1664.6	1655.4	1653.6	1640.7	1591.2	1504.9	1391.1
20°	1644.4	1648.1	1666.4	1670.1	1666.4	1648.1	1644.4	1627.9	1600.4	1569.2	1482.9
22.5°	1640.7	1648.1	1662.8	1660.9	1662.8	1648.1	1640.7	1615.1	1591.2	1569.2	1534.3
25°	1622.4	1622.4	1624.2	1626.1	1624.2	1622.4	1622.4	1602.2	1554.5	1549.0	1528.8
27.5°	1583.8	1587.5	1598.5	1596.7	1598.5	1587.5	1583.8	1576.5	1525.1	1519.6	1504.9
30°	1549.0	1545.3	1536.1	1528.8	1536.1	1545.3	1549.0	1538.0	1486.6	1471.9	1475.6
32.5°	1490.2	1481.1	1471.9	1466.4	1471.9	1481.1	1490.2	1486.6	1448.0	1427.8	1431.5
35°	1420.5	1422.3	1420.5	1415.0	1420.5	1422.3	1420.5	1424.2	1400.3	1382.0	1380.1
37.5°	1370.9	1374.6	1372.8	1365.4	1372.8	1374.6	1370.9	1367.3	1334.2	1328.7	1332.4
40°	1319.6	1321.4	1319.6	1314.0	1319.6	1321.4	1319.6	1312.2	1266.3	1268.2	1281.0
42.5°	1270.0	1268.2	1262.7	1259.0	1262.7	1268.2	1270.0	1259.0	1200.3	1194.7	1218.6
45°	1213.1	1214.9	1203.9	1198.4	1203.9	1214.9	1213.1	1205.8	1145.2	1130.5	1147.0
47.5°	1156.2	1156.2	1147.0	1141.5	1147.0	1156.2	1156.2	1147.0	1082.9	1068.2	1077.4
50°	1095.6	1093.9	1081.0	1079.2	1081.0	1093.9	1095.6	1090.2	1022.3	1009.5	1009.5
52.5°	1026.0	1026.0	1027.8	1031.5	1027.8	1026.0	1026.0	1027.8	967.3	954.4	950.7
55°	965.4	967.3	980.1	983.8	980.1	967.3	965.4	965.4	910.4	897.5	890.2
57.5°	903.0	903.0	912.2	912.2	912.2	903.0	903.0	899.3	846.1	835.1	831.4
60°	831.4	835.1	842.4	840.6	842.4	835.1	831.4	827.8	781.9	774.5	761.7
62.5°	756.2	759.9	761.7	758.0	761.7	759.9	756.2	745.2	717.6	712.1	695.6
65°	677.3	680.9	682.8	679.1	682.8	680.9	677.3	671.8	651.6	642.4	627.7
67.5°	596.5	594.7	592.8	600.2	592.8	594.7	596.5	589.2	576.3	569.0	548.8
70°	513.9	513.9	512.1	515.7	512.1	513.9	513.9	508.4	501.1	495.6	477.2
72.5°	425.8	424.0	431.3	425.8	431.3	424.0	425.8	424.0	420.3	414.8	396.4
75°	339.5	343.2	339.5	345.1	339.5	343.2	339.5	341.4	339.5	335.9	323.0
77.5°	258.8	262.5	258.8	258.8	258.8	262.5	258.8	260.6	260.6	260.6	249.6
80°	183.5	181.7	181.7	179.9	181.7	181.7	183.5	183.5	185.4	181.7	178.0
82.5°	117.5	115.6	115.6	119.3	115.6	115.6	117.5	119.3	115.6	115.6	115.6
85°	64.2	66.1	62.4	62.4	62.4	66.1	64.2	60.6	64.2	64.2	62.4
87.5°	23.9	22.0	22.0	22.0	22.0	22.0	23.9	25.7	25.7	25.7	27.5
90°	43.5	43.5	43.5	43.5	43.5	43.5	43.5	58.0	77.4	87.0	74.8
92.5°	217.5	208.9	174.3	139.7	174.3	208.9	217.5	308.3	429.4	490.0	430.2
95°	738.4	712.1	607.3	502.5	607.3	712.1	738.4	969.6	1277.9	1432.1	1209.4
97.5°	1704.5	1654.7	1455.2	1255.8	1455.2	1654.7	1704.5	1850.7	2045.5	2143.0	1771.9
100°	2393.6	2334.2	2096.7	1859.1	2096.7	2334.2	2393.6	2383.0	2368.8	2361.6	1949.7
102.5°	2982.0	2931.2	2727.7	2524.2	2727.7	2931.2	2982.0	2795.8	2547.6	2423.4	2005.7
105°	3668.9	3641.6	3532.2	3422.8	3532.2	3641.6	3668.9	3251.5	2694.9	2416.6	2012.0
107.5°	4026.1	4032.7	4059.1	4085.6	4059.1	4032.7	4026.1	3443.8	2667.4	2279.2	1922.6
110°	4117.7	4146.1	4260.1	4374.1	4260.1	4146.1	4117.7	3466.7	2598.7	2164.8	1843.2



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	4059.2	4103.0	4278.0	4453.0	4278.0	4103.0	4059.2	3393.0	2504.7	2060.5	1773.8
115°	3861.2	3921.9	4164.6	4407.2	4164.6	3921.9	3861.2	3219.4	2363.6	1935.8	1694.3
117.5°	3587.6	3654.9	3924.1	4193.2	3924.1	3654.9	3587.6	3008.4	2236.1	1849.9	1644.6
120°	3403.4	3468.7	3730.2	3991.7	3730.2	3468.7	3403.4	2874.1	2168.4	1815.6	1627.8
122.5°	3219.0	3283.5	3541.5	3799.4	3541.5	3283.5	3219.0	2742.4	2106.9	1789.2	1619.1
125°	2975.2	3034.5	3272.2	3509.8	3272.2	3034.5	2975.2	2570.3	2030.5	1760.6	1611.7
127.5°	2779.4	2829.5	3030.0	3230.5	3030.0	2829.5	2779.4	2431.8	1968.3	1736.6	1607.6
130°	2655.8	2702.2	2887.3	3072.5	2887.3	2702.2	2655.8	2346.4	1933.7	1727.4	1610.1
132.5°	2550.5	2591.9	2757.8	2923.7	2757.8	2591.9	2550.5	2273.4	1904.0	1719.4	1611.8
135°	2401.7	2437.4	2580.4	2723.4	2580.4	2437.4	2401.7	2169.7	1860.4	1705.6	1610.3
137.5°	2291.8	2321.0	2438.0	2555.0	2438.0	2321.0	2291.8	2095.6	1834.2	1703.4	1620.2
140°	2203.7	2231.0	2340.4	2449.8	2340.4	2231.0	2203.7	2034.3	1808.3	1695.3	1621.8
142.5°	2141.8	2165.3	2259.5	2353.6	2259.5	2165.3	2141.8	1993.0	1794.6	1695.3	1627.7
145°	2049.1	2066.9	2138.1	2209.4	2138.1	2066.9	2049.1	1927.3	1765.0	1683.9	1627.7
147.5°	1971.2	1986.0	2045.0	2104.0	2045.0	1986.0	1971.2	1875.4	1747.8	1683.9	1638.9
150°	1926.6	1938.5	1986.4	2034.3	1986.4	1938.5	1926.6	1845.7	1737.8	1683.9	1644.7
152.5°	1891.1	1900.1	1936.2	1972.4	1936.2	1900.1	1891.1	1822.0	1729.9	1683.9	1648.5
155°	1848.8	1854.8	1878.7	1902.6	1878.7	1854.8	1848.8	1793.8	1720.5	1683.9	1656.9
157.5°	1812.2	1816.4	1833.1	1849.9	1833.1	1816.4	1812.2	1769.4	1712.4	1683.9	1665.3
160°	1793.8	1796.2	1805.9	1815.6	1805.9	1796.2	1793.8	1757.2	1708.3	1683.9	1669.1
162.5°	1776.7	1779.0	1788.0	1797.2	1788.0	1779.0	1776.7	1745.7	1704.5	1683.9	1673.2
165°	1750.3	1752.7	1762.4	1772.1	1762.4	1752.7	1750.3	1728.2	1698.7	1683.9	1679.0
167.5°	1738.8	1739.9	1744.0	1748.0	1744.0	1739.9	1738.8	1724.3	1705.0	1695.3	1691.3
170°	1738.8	1738.8	1738.8	1738.8	1738.8	1738.8	1738.8	1724.3	1705.0	1695.3	1695.1
172.5°	1729.7	1728.8	1725.3	1721.7	1725.3	1728.8	1729.7	1718.2	1703.0	1695.3	1695.3
175°	1717.1	1717.1	1717.1	1717.1	1717.1	1717.1	1717.1	1709.8	1700.2	1695.3	1697.6
177.5°	1714.8	1713.8	1709.7	1705.6	1709.7	1713.8	1714.8	1709.1	1701.5	1697.6	1699.4
180°	1705.6	1705.6	1705.6	1705.6	1705.6	1705.6	1705.6	1705.6	1705.6	1705.6	1705.6



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1939.9	1939.9	1939.9	1939.9	1939.9
2.5°	1916.1	1925.2	1930.7	1938.1	1956.4
5°	1842.6	1877.5	1888.5	1916.1	1949.1
7.5°	1681.1	1787.6	1816.9	1883.0	1934.4
10°	1525.1	1631.6	1683.0	1839.0	1916.1
12.5°	1446.2	1508.6	1543.5	1761.9	1890.4
15°	1396.6	1440.7	1466.4	1659.1	1861.0
17.5°	1358.1	1389.3	1407.7	1558.2	1820.6
20°	1334.2	1348.9	1365.4	1484.7	1774.7
22.5°	1317.7	1308.5	1321.4	1433.3	1712.3
25°	1306.7	1271.8	1286.5	1393.0	1638.9
27.5°	1315.9	1238.8	1244.3	1356.3	1561.8
30°	1317.7	1198.4	1200.3	1317.7	1475.6
32.5°	1304.9	1156.2	1158.0	1270.0	1378.3
35°	1273.7	1106.6	1104.8	1214.9	1246.1
37.5°	1231.5	1053.5	1053.5	1154.4	1101.1
40°	1180.1	1000.3	1005.8	1075.5	972.8
42.5°	1117.7	943.4	950.7	970.9	877.3
45°	1049.8	888.3	893.8	820.4	803.9
47.5°	974.6	831.4	833.3	680.9	780.0
50°	884.7	772.7	765.4	583.7	778.2
52.5°	805.7	708.5	686.4	528.6	706.6
55°	728.6	640.6	592.8	486.4	655.2
57.5°	660.7	552.5	506.6	436.8	644.2
60°	598.3	466.2	431.3	383.6	591.0
62.5°	546.9	402.0	394.6	346.9	535.9
65°	491.9	357.9	356.1	315.7	455.2
67.5°	438.7	328.5	326.7	286.3	346.9
70°	381.8	297.3	293.7	255.1	257.0
72.5°	323.0	262.5	258.8	229.4	212.9
75°	264.3	222.1	220.2	200.1	172.5
77.5°	207.4	176.2	179.9	161.5	126.6
80°	148.7	128.5	132.1	115.6	95.4
82.5°	99.1	84.4	88.1	73.4	64.2
85°	55.1	47.7	49.6	38.5	29.4
87.5°	25.7	22.0	22.0	14.7	9.2
90°	50.4	32.0	29.7	20.6	11.5
92.5°	310.6	221.0	201.5	123.6	45.8
95°	764.3	430.4	394.8	252.4	109.9
97.5°	1029.6	472.8	441.4	315.7	190.1
100°	1126.1	508.3	479.8	365.8	251.8
102.5°	1170.3	543.7	517.1	410.9	304.5
105°	1203.1	596.4	573.9	483.8	393.8
107.5°	1209.2	674.2	653.2	569.3	485.4
110°	1200.1	717.7	698.8	623.0	547.2



TEST NUMBER: P935968

CATALOG NUMBER: SQ4-FA-150U-075D-93050-1D-UNV-STD-W-8-5000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1200.4	770.4	752.3	680.1	607.9
115°	1211.5	849.4	832.7	766.1	699.5
117.5°	1234.0	926.1	911.0	850.4	789.9
120°	1252.4	970.7	956.5	899.5	842.5
122.5°	1278.7	1023.4	1009.0	951.6	894.0
125°	1314.1	1091.0	1077.8	1025.4	973.0
127.5°	1349.7	1156.2	1143.0	1090.0	1037.2
130°	1375.6	1199.7	1185.5	1128.5	1071.5
132.5°	1396.6	1235.2	1221.0	1164.0	1107.0
135°	1419.5	1276.4	1263.5	1211.5	1159.6
137.5°	1453.8	1329.0	1316.2	1264.9	1213.5
140°	1474.8	1364.5	1352.7	1305.4	1258.1
142.5°	1492.4	1390.9	1379.9	1336.2	1292.4
145°	1515.3	1431.0	1421.4	1383.2	1345.1
147.5°	1548.9	1481.3	1472.1	1434.9	1397.7
150°	1566.3	1507.6	1499.2	1465.7	1432.1
152.5°	1577.9	1524.8	1518.5	1493.0	1467.6
155°	1603.0	1562.6	1557.9	1539.1	1520.3
157.5°	1628.2	1600.4	1595.8	1577.5	1559.2
160°	1639.6	1617.5	1614.0	1599.7	1585.5
162.5°	1651.9	1635.9	1633.2	1622.5	1611.8
165°	1669.4	1662.1	1659.7	1650.0	1640.4
167.5°	1683.1	1677.1	1675.9	1671.3	1666.7
170°	1694.6	1694.2	1693.1	1688.5	1683.9
172.5°	1695.3	1695.3	1695.1	1694.1	1693.1
175°	1702.2	1705.6	1705.6	1705.6	1705.6
177.5°	1703.0	1705.6	1705.6	1705.6	1705.6
180°	1705.6	1705.6	1705.6	1705.6	1705.6



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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	10.40	11.12	11.50	12.22	13.73	13.24	13.95	14.34	15.05	16.57
	3H	10.87	11.51	11.98	12.62	14.15	14.58	15.22	15.69	16.32	17.86
	4H	11.05	11.66	12.17	12.77	14.31	15.01	15.62	16.14	16.73	18.27
	6H	11.16	11.72	12.29	12.83	14.38	15.29	15.85	16.42	16.96	18.51
	8H	11.16	11.69	12.29	12.82	14.36	15.37	15.90	16.50	17.02	18.57
	12H	11.13	11.63	12.26	12.75	14.32	15.40	15.90	16.54	17.03	18.59
4H	2H	11.42	12.03	12.55	13.13	14.67	13.63	14.24	14.76	15.35	16.88
	3H	12.43	12.94	13.57	14.07	15.62	15.12	15.63	16.26	16.77	18.32
	4H	12.70	13.17	13.84	14.29	15.86	15.65	16.11	16.79	17.24	18.81
	6H	12.82	13.22	13.96	14.36	15.92	16.01	16.41	17.15	17.55	19.11
	8H	12.82	13.19	13.96	14.33	15.91	16.11	16.48	17.26	17.62	19.20
	12H	12.78	13.12	13.94	14.27	15.85	16.16	16.50	17.32	17.65	19.23
8H	4H	13.14	13.52	14.29	14.65	16.23	15.76	16.13	16.90	17.27	18.85
	6H	13.40	13.71	14.56	14.89	16.46	16.19	16.50	17.36	17.68	19.26
	8H	13.44	13.71	14.61	14.87	16.46	16.34	16.61	17.51	17.77	19.37
	12H	13.42	13.65	14.59	14.81	16.44	16.44	16.67	17.61	17.83	19.46
12H	4H	13.14	13.48	14.30	14.63	16.21	15.72	16.05	16.88	17.21	18.79
	6H	13.46	13.73	14.63	14.89	16.48	16.19	16.46	17.36	17.62	19.21
	8H	13.52	13.75	14.69	14.91	16.54	16.34	16.58	17.52	17.74	19.37