

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: P935996

Luminaire Tested: SQ4-FA-150U-075D-B2750-1D-UNV-STD-W-8-5000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935996
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-B2750-1D-UNV-STD-W-8-5000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

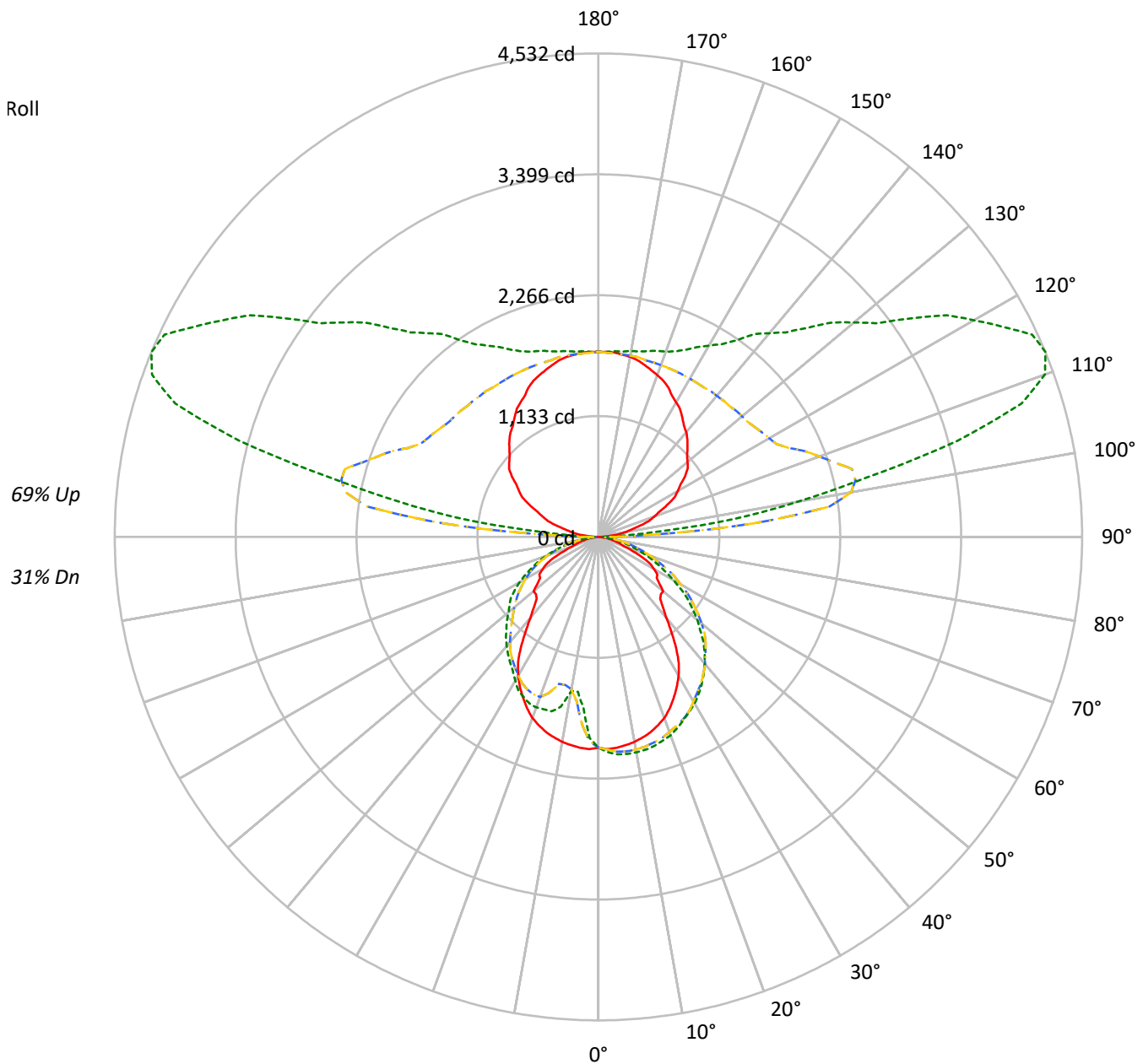
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16379.6 lumens
Efficiency: N/A
Efficacy: 128.8 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				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	50	30	10	0
RCR																					
0	103	103	103	103	92	92	92	92	73	73	73	55	55	55	39	39	39	39	39	39	31
1	94	89	86	82	84	81	77	75	64	62	60	49	47	46	34	34	33	34	34	33	26
2	85	78	72	67	76	70	65	61	56	52	49	43	40	38	30	29	28	30	29	28	22
3	78	69	61	56	70	62	56	51	49	45	42	38	35	32	27	25	24	27	25	24	19
4	71	61	53	47	64	55	48	43	44	39	35	33	30	28	24	22	20	24	22	20	16
5	65	54	46	40	58	49	42	37	39	34	30	30	27	24	22	19	18	22	19	18	14
6	60	48	40	35	54	44	37	32	35	30	26	27	23	21	19	17	15	19	17	15	12
7	55	43	36	30	49	39	33	28	32	27	23	24	21	18	18	15	14	18	15	14	11
8	51	39	32	27	46	36	29	24	29	24	20	22	19	16	16	14	12	16	14	12	10
9	47	36	28	23	43	32	26	22	26	21	18	20	17	14	15	13	11	15	13	11	9
10	44	33	26	21	40	30	23	19	24	19	16	19	15	13	14	12	10	14	12	10	8

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	9160	9160	9160	9160
5°	9229	9247	9229	7271
10°	9167	9109	9167	6512
15°	9068	8911	9068	7441
20°	8878	8678	8878	7457
25°	8489	8336	8489	7299
30°	7988	8053	7988	6952
35°	7121	7695	7121	6570
40°	5934	7274	5934	6282
45°	5302	6780	5302	5951
50°	5633	6192	5633	5619
55°	5300	5558	5300	5426
60°	5463	4721	5463	4970
65°	4953	3902	4953	4362
70°	3430	3110	3430	3656
75°	3008	2299	3008	2753
80°	2423	1520	2423	1655
85°	1393	805	1393	684

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 8126 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	178.2	1.1
10°-20°	506.0	3.1
20°-30°	782.2	4.8
30°-40°	933.8	5.7
40°-50°	939.3	5.7
50°-60°	817.3	5.0
60°-70°	579.5	3.5
70°-80°	306.6	1.9
80°-90°	83.0	0.5
90°-100°	846.2	5.2
100°-110°	2224.7	13.6
110°-120°	2306.8	14.1
120°-130°	1850.3	11.3
130°-140°	1451.9	8.9
140°-150°	1114.3	6.8
150°-160°	802.5	4.9
160°-170°	491.0	3.0
170°-180°	165.9	1.0
0°-30°	1466.5	9.0
0°-40°	2400.3	14.7
0°-60°	4156.8	25.4
0°-90°	5125.9	31.3
90°-120°	5377.7	32.8
90°-150°	9794.2	59.8
90°-180°	11254.0	68.7
0°-180°	16379.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1974	1974	1974	1974	1974	
5°	1984	2045	1984	1608	1984	188
15°	1894	2027	1894	1692	1894	533
25°	1668	1890	1668	1655	1668	766
35°	1268	1687	1268	1440	1268	785
45°	818	1390	818	1220	818	655
55°	667	1026	667	1001	667	613
65°	463	618	463	691	463	443
75°	176	293	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	3484	401	3484	401	425
115°	712	4486	712	4486	712	703
125°	990	3572	990	3572	990	879
135°	1180	2772	1180	2772	1180	913
145°	1369	2249	1369	2249	1369	858
155°	1547	1936	1547	1936	1547	711
165°	1670	1804	1670	1804	1670	471
175°	1736	1748	1736	1748	1736	165
180°	1736	1736	1736	1736	1736	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1974.4	1974.4	1974.4	1974.4	1974.4	1974.4	1974.4	1974.4	1974.4	1974.4	1974.4
2.5°	1991.2	1991.2	2002.4	2006.1	2006.1	2000.5	1994.9	2000.5	2017.3	2023.0	2021.1
5°	1983.7	1998.7	2019.2	2023.0	2026.7	2024.8	2021.1	2024.8	2043.5	2047.2	2049.1
7.5°	1968.8	1996.8	2023.0	2028.6	2034.2	2028.6	2026.7	2030.4	2049.1	2052.8	2052.8
10°	1950.1	1989.3	2019.2	2023.0	2028.6	2023.0	2023.0	2030.4	2049.1	2052.8	2054.7
12.5°	1923.9	1978.1	2006.1	2009.9	2017.3	2015.5	2013.6	2021.1	2039.8	2043.5	2043.5
15°	1894.1	1957.6	1983.7	1987.5	2000.5	1996.8	1996.8	2004.3	2024.8	2030.4	2028.6
17.5°	1853.0	1931.4	1961.3	1966.9	1976.3	1974.4	1976.3	1983.7	2002.4	2006.1	2008.0
20°	1806.3	1895.9	1931.4	1937.0	1946.4	1946.4	1946.4	1955.7	1974.4	1981.9	1981.9
22.5°	1742.8	1858.6	1895.9	1899.7	1910.9	1910.9	1914.6	1927.7	1944.5	1946.4	1946.4
25°	1668.0	1817.5	1849.2	1860.4	1871.6	1877.2	1882.9	1890.3	1895.9	1894.1	1895.9
27.5°	1589.6	1765.2	1806.3	1813.7	1828.7	1834.3	1841.8	1843.6	1845.5	1851.1	1847.4
30°	1501.8	1692.3	1754.0	1761.4	1785.7	1789.5	1782.0	1785.7	1795.1	1798.8	1802.5
32.5°	1402.8	1584.0	1699.8	1716.6	1739.0	1727.8	1725.9	1731.5	1746.5	1746.5	1750.2
35°	1268.3	1499.9	1649.4	1664.3	1681.1	1668.0	1675.5	1677.4	1686.7	1692.3	1690.4
37.5°	1120.7	1427.1	1597.0	1608.3	1621.3	1604.5	1615.7	1621.3	1628.8	1625.1	1625.1
40°	990.0	1313.1	1535.4	1542.9	1554.1	1541.0	1552.2	1556.0	1559.7	1556.0	1554.1
42.5°	892.9	1188.0	1470.0	1479.4	1471.9	1481.2	1485.0	1492.4	1486.8	1479.4	1479.4
45°	818.2	1154.3	1399.0	1410.2	1399.0	1414.0	1419.6	1419.6	1402.8	1399.0	1397.2
47.5°	793.9	1087.2	1328.1	1328.1	1322.5	1341.1	1350.5	1337.4	1320.6	1315.0	1315.0
50°	792.0	1012.5	1230.9	1223.4	1249.6	1272.0	1262.7	1249.6	1236.5	1216.0	1216.0
52.5°	719.2	920.9	1105.9	1133.8	1174.9	1188.0	1173.0	1159.9	1137.5	1128.2	1120.7
55°	666.9	825.7	991.9	1047.9	1090.9	1107.7	1079.7	1066.6	1033.0	1027.4	1023.7
57.5°	655.7	687.4	887.3	958.3	1010.6	1008.7	991.9	967.6	939.6	934.0	932.1
60°	601.5	496.9	775.2	859.3	913.5	907.8	892.9	870.5	844.3	840.6	836.9
62.5°	545.5	360.5	648.2	743.5	820.1	818.2	805.1	771.5	752.8	743.5	736.0
65°	463.3	302.6	461.4	618.3	728.5	732.3	704.2	680.0	659.4	648.2	646.3
67.5°	353.1	246.6	312.0	515.6	640.7	637.0	601.5	590.3	564.1	558.5	547.3
70°	261.5	164.4	216.7	418.4	554.8	545.5	517.4	504.4	480.1	467.0	459.5
72.5°	216.7	132.6	158.8	325.0	467.0	455.8	431.5	416.6	396.0	384.8	377.3
75°	175.6	140.1	121.4	241.0	379.2	371.7	349.3	334.4	317.6	302.6	304.5
77.5°	128.9	130.8	97.1	177.5	300.7	289.5	276.5	257.8	250.3	235.4	235.4
80°	97.1	102.7	72.9	121.4	216.7	216.7	205.5	192.4	179.3	171.9	171.9
82.5°	65.4	65.4	54.2	76.6	147.6	142.0	134.5	130.8	123.3	119.6	119.6
85°	29.9	37.4	33.6	46.7	80.3	84.1	84.1	80.3	78.5	74.7	76.6
87.5°	9.3	16.8	20.5	26.2	41.1	43.0	44.8	44.8	44.8	46.7	46.7
90°	11.7	21.0	30.3	32.6	51.3	76.1	88.5	78.7	59.0	44.3	44.3
92.5°	46.6	125.8	205.1	224.9	316.2	437.9	498.7	437.0	313.8	221.4	212.6
95°	111.9	256.8	401.8	438.0	777.8	1230.9	1457.5	1300.6	986.9	751.5	724.8
97.5°	193.4	321.3	449.3	481.2	1047.9	1803.4	2181.1	2081.9	1883.6	1734.8	1684.1
100°	256.3	372.3	488.3	517.3	1146.1	1984.4	2403.6	2410.8	2425.3	2436.2	2375.7
102.5°	309.9	418.2	526.3	553.4	1191.1	2041.4	2466.5	2592.9	2845.5	3035.0	2983.3
105°	400.8	492.4	584.1	607.0	1224.5	2047.8	2459.5	2742.8	3309.3	3734.1	3706.3
107.5°	494.0	579.5	664.8	686.2	1230.7	1956.7	2319.7	2714.8	3505.0	4097.6	4104.4
110°	556.9	634.1	711.2	730.5	1221.4	1875.9	2203.2	2644.9	3528.3	4190.9	4219.8



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	618.7	692.2	765.7	784.1	1221.8	1805.3	2097.1	2549.2	3453.3	4131.4	4175.9
115°	711.9	779.7	847.5	864.5	1233.1	1724.4	1970.2	2405.6	3276.6	3929.8	3991.5
117.5°	803.9	865.5	927.2	942.6	1255.9	1673.8	1882.8	2275.8	3061.8	3651.4	3719.8
120°	857.5	915.5	973.5	988.0	1274.6	1656.7	1847.8	2206.9	2925.2	3463.8	3530.3
122.5°	909.9	968.5	1026.9	1041.6	1301.4	1647.9	1821.0	2144.4	2791.2	3276.2	3341.9
125°	990.3	1043.7	1097.0	1110.3	1337.5	1640.4	1791.9	2066.6	2615.9	3028.0	3088.5
127.5°	1055.6	1109.4	1163.3	1176.7	1373.6	1636.2	1767.4	2003.2	2475.0	2828.8	2879.8
130°	1090.5	1148.5	1206.5	1221.0	1400.1	1638.7	1758.1	1968.0	2388.1	2703.0	2750.2
132.5°	1126.7	1184.7	1242.7	1257.2	1421.5	1640.5	1749.9	1937.9	2313.8	2595.8	2638.0
135°	1180.2	1233.1	1285.9	1299.1	1444.7	1638.9	1735.9	1893.4	2208.3	2444.4	2480.7
137.5°	1235.0	1287.3	1339.5	1352.6	1479.6	1649.0	1733.7	1866.8	2132.9	2332.5	2362.3
140°	1280.4	1328.6	1376.7	1388.8	1501.0	1650.7	1725.5	1840.4	2070.4	2242.8	2270.6
142.5°	1315.4	1359.9	1404.5	1415.6	1518.9	1656.6	1725.5	1826.4	2028.4	2179.9	2203.8
145°	1369.0	1407.8	1446.7	1456.4	1542.2	1656.6	1713.8	1796.4	1961.6	2085.5	2103.6
147.5°	1422.6	1460.4	1498.2	1507.7	1576.4	1668.0	1713.8	1778.8	1908.7	2006.2	2021.3
150°	1457.5	1491.7	1525.9	1534.4	1594.2	1673.9	1713.8	1768.7	1878.5	1960.8	1973.0
152.5°	1493.7	1519.5	1545.5	1551.9	1605.9	1677.8	1713.8	1760.7	1854.4	1924.7	1933.8
155°	1547.3	1566.4	1585.6	1590.3	1631.5	1686.3	1713.8	1751.1	1825.7	1881.6	1887.7
157.5°	1586.9	1605.5	1624.1	1628.8	1657.1	1694.9	1713.8	1742.8	1800.8	1844.4	1848.7
160°	1613.7	1628.1	1642.6	1646.3	1668.8	1698.8	1713.8	1738.6	1788.4	1825.7	1828.1
162.5°	1640.5	1651.3	1662.2	1664.9	1681.2	1703.0	1713.8	1734.8	1776.7	1808.2	1810.6
165°	1669.5	1679.3	1689.2	1691.7	1699.0	1708.8	1713.8	1728.8	1758.9	1781.4	1783.8
167.5°	1696.3	1701.0	1705.7	1706.9	1713.0	1721.4	1725.5	1735.3	1755.0	1769.7	1770.8
170°	1713.8	1718.5	1723.1	1724.4	1724.7	1725.2	1725.5	1735.3	1755.0	1769.7	1769.7
172.5°	1723.1	1724.2	1725.2	1725.5	1725.5	1725.5	1725.5	1733.2	1748.7	1760.4	1759.5
175°	1735.9	1735.9	1735.9	1735.9	1732.5	1727.8	1725.5	1730.4	1740.2	1747.6	1747.6
177.5°	1735.9	1735.9	1735.9	1735.9	1733.2	1729.6	1727.8	1731.7	1739.5	1745.3	1744.2
180°	1735.9	1735.9	1735.9	1735.9	1735.9	1735.9	1735.9	1735.9	1735.9	1735.9	1735.9



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1974.4	1974.4	1974.4	1974.4	1974.4	1974.4	1974.4	1974.4	1974.4	1974.4	1974.4
2.5°	2024.8	2019.2	2024.8	2021.1	2023.0	2017.3	2000.5	1994.9	2000.5	2006.1	2006.1
5°	2049.1	2045.4	2049.1	2049.1	2047.2	2043.5	2024.8	2021.1	2024.8	2026.7	2023.0
7.5°	2056.6	2051.0	2056.6	2052.8	2052.8	2049.1	2030.4	2026.7	2028.6	2034.2	2028.6
10°	2056.6	2051.0	2056.6	2054.7	2052.8	2049.1	2030.4	2023.0	2023.0	2028.6	2023.0
12.5°	2047.2	2043.5	2047.2	2043.5	2043.5	2039.8	2021.1	2013.6	2015.5	2017.3	2009.9
15°	2032.3	2026.7	2032.3	2028.6	2030.4	2024.8	2004.3	1996.8	1996.8	2000.5	1987.5
17.5°	2009.9	2002.4	2009.9	2008.0	2006.1	2002.4	1983.7	1976.3	1974.4	1976.3	1966.9
20°	1983.7	1978.1	1983.7	1981.9	1981.9	1974.4	1955.7	1946.4	1946.4	1946.4	1937.0
22.5°	1942.6	1937.0	1942.6	1946.4	1946.4	1944.5	1927.7	1914.6	1910.9	1910.9	1899.7
25°	1895.9	1890.3	1895.9	1895.9	1894.1	1895.9	1890.3	1882.9	1877.2	1871.6	1860.4
27.5°	1851.1	1847.4	1851.1	1847.4	1851.1	1845.5	1843.6	1841.8	1834.3	1828.7	1813.7
30°	1806.3	1802.5	1806.3	1802.5	1798.8	1795.1	1785.7	1782.0	1789.5	1785.7	1761.4
32.5°	1750.2	1746.5	1750.2	1750.2	1746.5	1746.5	1731.5	1725.9	1727.8	1739.0	1716.6
35°	1692.3	1686.7	1692.3	1690.4	1692.3	1686.7	1677.4	1675.5	1668.0	1681.1	1664.3
37.5°	1625.1	1619.5	1625.1	1625.1	1625.1	1628.8	1621.3	1615.7	1604.5	1621.3	1608.3
40°	1556.0	1548.5	1556.0	1554.1	1556.0	1559.7	1556.0	1552.2	1541.0	1554.1	1542.9
42.5°	1477.5	1475.6	1477.5	1479.4	1479.4	1486.8	1492.4	1485.0	1481.2	1471.9	1479.4
45°	1393.4	1389.7	1393.4	1397.2	1399.0	1402.8	1419.6	1419.6	1414.0	1399.0	1410.2
47.5°	1303.8	1294.4	1303.8	1315.0	1315.0	1320.6	1337.4	1350.5	1341.1	1322.5	1328.1
50°	1208.5	1210.4	1208.5	1216.0	1216.0	1236.5	1249.6	1262.7	1272.0	1249.6	1223.4
52.5°	1115.1	1113.3	1115.1	1120.7	1128.2	1137.5	1159.9	1173.0	1188.0	1174.9	1133.8
55°	1021.8	1025.5	1021.8	1023.7	1027.4	1033.0	1066.6	1079.7	1107.7	1090.9	1047.9
57.5°	928.4	922.8	928.4	932.1	934.0	939.6	967.6	991.9	1008.7	1010.6	958.3
60°	820.1	812.6	820.1	836.9	840.6	844.3	870.5	892.9	907.8	913.5	859.3
62.5°	724.8	711.7	724.8	736.0	743.5	752.8	771.5	805.1	818.2	820.1	743.5
65°	623.9	618.3	623.9	646.3	648.2	659.4	680.0	704.2	732.3	728.5	618.3
67.5°	532.4	532.4	532.4	547.3	558.5	564.1	590.3	601.5	637.0	640.7	515.6
70°	448.3	446.5	448.3	459.5	467.0	480.1	504.4	517.4	545.5	554.8	418.4
72.5°	368.0	366.1	368.0	377.3	384.8	396.0	416.6	431.5	455.8	467.0	325.0
75°	297.0	293.3	297.0	304.5	302.6	317.6	334.4	349.3	371.7	379.2	241.0
77.5°	227.9	227.9	227.9	235.4	235.4	250.3	257.8	276.5	289.5	300.7	177.5
80°	170.0	168.1	170.0	171.9	171.9	179.3	192.4	205.5	216.7	216.7	121.4
82.5°	119.6	115.8	119.6	119.6	119.6	123.3	130.8	134.5	142.0	147.6	76.6
85°	74.7	74.7	74.7	76.6	74.7	78.5	80.3	84.1	84.1	80.3	46.7
87.5°	48.6	46.7	48.6	46.7	46.7	44.8	44.8	44.8	43.0	41.1	26.2
90°	44.3	44.3	44.3	44.3	44.3	59.0	78.7	88.5	76.1	51.3	32.6
92.5°	177.4	142.2	177.4	212.6	221.4	313.8	437.0	498.7	437.9	316.2	224.9
95°	618.1	511.5	618.1	724.8	751.5	986.9	1300.6	1457.5	1230.9	777.8	438.0
97.5°	1481.0	1278.1	1481.0	1684.1	1734.8	1883.6	2081.9	2181.1	1803.4	1047.9	481.2
100°	2133.9	1892.1	2133.9	2375.7	2436.2	2425.3	2410.8	2403.6	1984.4	1146.1	517.3
102.5°	2776.1	2569.1	2776.1	2983.3	3035.0	2845.5	2592.9	2466.5	2041.4	1191.1	553.4
105°	3595.0	3483.6	3595.0	3706.3	3734.1	3309.3	2742.8	2459.5	2047.8	1224.5	607.0
107.5°	4131.3	4158.2	4131.3	4104.4	4097.6	3505.0	2714.8	2319.7	1956.7	1230.7	686.2
110°	4335.8	4451.8	4335.8	4219.8	4190.9	3528.3	2644.9	2203.2	1875.9	1221.4	730.5



TEST NUMBER: P935996

CATALOG NUMBER: SQ4-FA-150U-075D-B2750-1D-UNV-STD-W-8-5000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	4354.0	4532.1	4354.0	4175.9	4131.4	3453.3	2549.2	2097.1	1805.3	1221.8	784.1
115°	4238.6	4485.5	4238.6	3991.5	3929.8	3276.6	2405.6	1970.2	1724.4	1233.1	864.5
117.5°	3993.8	4267.7	3993.8	3719.8	3651.4	3061.8	2275.8	1882.8	1673.8	1255.9	942.6
120°	3796.5	4062.6	3796.5	3530.3	3463.8	2925.2	2206.9	1847.8	1656.7	1274.6	988.0
122.5°	3604.4	3866.9	3604.4	3341.9	3276.2	2791.2	2144.4	1821.0	1647.9	1301.4	1041.6
125°	3330.4	3572.2	3330.4	3088.5	3028.0	2615.9	2066.6	1791.9	1640.4	1337.5	1110.3
127.5°	3083.9	3287.9	3083.9	2879.8	2828.8	2475.0	2003.2	1767.4	1636.2	1373.6	1176.7
130°	2938.6	3127.1	2938.6	2750.2	2703.0	2388.1	1968.0	1758.1	1638.7	1400.1	1221.0
132.5°	2806.8	2975.6	2806.8	2638.0	2595.8	2313.8	1937.9	1749.9	1640.5	1421.5	1257.2
135°	2626.2	2771.7	2626.2	2480.7	2444.4	2208.3	1893.4	1735.9	1638.9	1444.7	1299.1
137.5°	2481.4	2600.4	2481.4	2362.3	2332.5	2132.9	1866.8	1733.7	1649.0	1479.6	1352.6
140°	2382.0	2493.3	2382.0	2270.6	2242.8	2070.4	1840.4	1725.5	1650.7	1501.0	1388.8
142.5°	2299.6	2395.4	2299.6	2203.8	2179.9	2028.4	1826.4	1725.5	1656.6	1518.9	1415.6
145°	2176.1	2248.6	2176.1	2103.6	2085.5	1961.6	1796.4	1713.8	1656.6	1542.2	1456.4
147.5°	2081.3	2141.4	2081.3	2021.3	2006.2	1908.7	1778.8	1713.8	1668.0	1576.4	1507.7
150°	2021.7	2070.4	2021.7	1973.0	1960.8	1878.5	1768.7	1713.8	1673.9	1594.2	1534.4
152.5°	1970.6	2007.4	1970.6	1933.8	1924.7	1854.4	1760.7	1713.8	1677.8	1605.9	1551.9
155°	1912.1	1936.4	1912.1	1887.7	1881.6	1825.7	1751.1	1713.8	1686.3	1631.5	1590.3
157.5°	1865.7	1882.8	1865.7	1848.7	1844.4	1800.8	1742.8	1713.8	1694.9	1657.1	1628.8
160°	1838.0	1847.8	1838.0	1828.1	1825.7	1788.4	1738.6	1713.8	1698.8	1668.8	1646.3
162.5°	1819.8	1829.1	1819.8	1810.6	1808.2	1776.7	1734.8	1713.8	1703.0	1681.2	1664.9
165°	1793.7	1803.6	1793.7	1783.8	1781.4	1758.9	1728.8	1713.8	1708.8	1699.0	1691.7
167.5°	1775.0	1779.1	1775.0	1770.8	1769.7	1755.0	1735.3	1725.5	1721.4	1713.0	1706.9
170°	1769.7	1769.7	1769.7	1769.7	1769.7	1755.0	1735.3	1725.5	1725.2	1724.7	1724.4
172.5°	1755.9	1752.3	1755.9	1759.5	1760.4	1748.7	1733.2	1725.5	1725.5	1725.5	1725.5
175°	1747.6	1747.6	1747.6	1747.6	1747.6	1740.2	1730.4	1725.5	1727.8	1732.5	1735.9
177.5°	1740.0	1735.9	1740.0	1744.2	1745.3	1739.5	1731.7	1727.8	1729.6	1733.2	1735.9
180°	1735.9	1735.9	1735.9	1735.9	1735.9	1735.9	1735.9	1735.9	1735.9	1735.9	1735.9



TEST NUMBER: P935996

CATALOG NUMBER: SQ4-FA-150U-075D-B2750-1D-UNV-STD-W-8-5000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1974.4	1974.4	1974.4	1974.4	1974.4	1974.4	1974.4	1974.4	1974.4	1974.4	1974.4
2.5°	2002.4	1991.2	1991.2	1972.5	1965.0	1959.4	1950.1	1922.1	1914.6	1907.1	1918.3
5°	2019.2	1998.7	1983.7	1950.1	1922.1	1910.9	1875.4	1808.1	1763.3	1729.7	1711.0
7.5°	2023.0	1996.8	1968.8	1916.5	1849.2	1819.3	1711.0	1587.7	1554.1	1524.2	1505.5
10°	2019.2	1989.3	1950.1	1871.6	1712.9	1660.6	1552.2	1471.9	1451.3	1445.7	1451.3
12.5°	2006.1	1978.1	1923.9	1793.2	1570.9	1535.4	1471.9	1425.2	1421.5	1430.8	1481.2
15°	1983.7	1957.6	1894.1	1688.6	1492.4	1466.3	1421.5	1404.6	1425.2	1490.6	1641.9
17.5°	1961.3	1931.4	1853.0	1585.8	1432.7	1414.0	1382.2	1415.9	1531.7	1619.5	1669.9
20°	1931.4	1895.9	1806.3	1511.1	1389.7	1372.9	1357.9	1509.3	1597.0	1628.8	1656.8
22.5°	1895.9	1858.6	1742.8	1458.8	1344.9	1331.8	1341.1	1561.6	1597.0	1619.5	1643.7
25°	1849.2	1817.5	1668.0	1417.7	1309.4	1294.4	1329.9	1556.0	1576.5	1582.1	1630.7
27.5°	1806.3	1765.2	1589.6	1380.4	1266.4	1260.8	1339.3	1531.7	1546.6	1552.2	1604.5
30°	1754.0	1692.3	1501.8	1341.1	1221.6	1219.7	1341.1	1501.8	1498.0	1513.0	1565.3
32.5°	1699.8	1584.0	1402.8	1292.6	1178.6	1176.7	1328.1	1456.9	1453.2	1473.8	1513.0
35°	1649.4	1499.9	1268.3	1236.5	1124.4	1126.3	1296.3	1404.6	1406.5	1425.2	1449.5
37.5°	1597.0	1427.1	1120.7	1174.9	1072.2	1072.2	1253.3	1356.1	1352.3	1357.9	1391.6
40°	1535.4	1313.1	990.0	1094.6	1023.7	1018.1	1201.0	1303.8	1290.7	1288.8	1335.5
42.5°	1470.0	1188.0	892.9	988.2	967.6	960.2	1137.5	1240.3	1216.0	1221.6	1281.4
45°	1399.0	1154.3	818.2	835.0	909.7	904.1	1068.5	1167.4	1150.6	1165.5	1227.2
47.5°	1328.1	1087.2	793.9	693.0	848.1	846.2	991.9	1096.5	1087.2	1102.1	1167.4
50°	1230.9	1012.5	792.0	594.0	779.0	786.4	900.4	1027.4	1027.4	1040.5	1109.6
52.5°	1105.9	920.9	719.2	538.0	698.6	721.0	820.1	967.6	971.4	984.4	1046.1
55°	991.9	825.7	666.9	495.0	603.4	651.9	741.6	906.0	913.5	926.5	982.6
57.5°	887.3	687.4	655.7	444.6	515.6	562.3	672.5	846.2	849.9	861.1	915.3
60°	775.2	496.9	601.5	390.4	439.0	474.5	609.0	775.2	788.3	795.8	842.5
62.5°	648.2	360.5	545.5	353.1	401.6	409.1	556.7	708.0	724.8	730.4	758.4
65°	461.4	302.6	463.3	321.3	362.4	364.3	500.6	638.9	653.8	663.1	683.7
67.5°	312.0	246.6	353.1	291.4	332.5	334.4	446.5	558.5	579.1	586.6	599.6
70°	216.7	164.4	261.5	259.7	298.9	302.6	388.5	485.7	504.4	510.0	517.4
72.5°	158.8	132.6	216.7	233.5	263.4	267.1	328.8	403.5	422.2	427.8	431.5
75°	121.4	140.1	175.6	203.6	224.2	226.0	269.0	328.8	341.8	345.6	347.4
77.5°	97.1	130.8	128.9	164.4	183.1	179.3	211.1	254.0	265.3	265.3	265.3
80°	72.9	102.7	97.1	117.7	134.5	130.8	151.3	181.2	184.9	188.7	186.8
82.5°	54.2	65.4	65.4	74.7	89.7	85.9	100.9	117.7	117.7	117.7	121.4
85°	33.6	37.4	29.9	39.2	50.4	48.6	56.0	63.5	65.4	65.4	61.6
87.5°	20.5	16.8	9.3	14.9	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	76.1	88.5	78.7	59.0
92.5°	205.1	125.8	46.6	125.8	205.1	224.9	316.2	437.9	498.7	437.0	313.8
95°	401.8	256.8	111.9	256.8	401.8	438.0	777.8	1230.9	1457.5	1300.6	986.9
97.5°	449.3	321.3	193.4	321.3	449.3	481.2	1047.9	1803.4	2181.1	2081.9	1883.6
100°	488.3	372.3	256.3	372.3	488.3	517.3	1146.1	1984.4	2403.6	2410.8	2425.3
102.5°	526.3	418.2	309.9	418.2	526.3	553.4	1191.1	2041.4	2466.5	2592.9	2845.5
105°	584.1	492.4	400.8	492.4	584.1	607.0	1224.5	2047.8	2459.5	2742.8	3309.3
107.5°	664.8	579.5	494.0	579.5	664.8	686.2	1230.7	1956.7	2319.7	2714.8	3505.0
110°	711.2	634.1	556.9	634.1	711.2	730.5	1221.4	1875.9	2203.2	2644.9	3528.3



TEST NUMBER: P935996

CATALOG NUMBER: SQ4-FA-150U-075D-B2750-1D-UNV-STD-W-8-5000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	765.7	692.2	618.7	692.2	765.7	784.1	1221.8	1805.3	2097.1	2549.2	3453.3
115°	847.5	779.7	711.9	779.7	847.5	864.5	1233.1	1724.4	1970.2	2405.6	3276.6
117.5°	927.2	865.5	803.9	865.5	927.2	942.6	1255.9	1673.8	1882.8	2275.8	3061.8
120°	973.5	915.5	857.5	915.5	973.5	988.0	1274.6	1656.7	1847.8	2206.9	2925.2
122.5°	1026.9	968.5	909.9	968.5	1026.9	1041.6	1301.4	1647.9	1821.0	2144.4	2791.2
125°	1097.0	1043.7	990.3	1043.7	1097.0	1110.3	1337.5	1640.4	1791.9	2066.6	2615.9
127.5°	1163.3	1109.4	1055.6	1109.4	1163.3	1176.7	1373.6	1636.2	1767.4	2003.2	2475.0
130°	1206.5	1148.5	1090.5	1148.5	1206.5	1221.0	1400.1	1638.7	1758.1	1968.0	2388.1
132.5°	1242.7	1184.7	1126.7	1184.7	1242.7	1257.2	1421.5	1640.5	1749.9	1937.9	2313.8
135°	1285.9	1233.1	1180.2	1233.1	1285.9	1299.1	1444.7	1638.9	1735.9	1893.4	2208.3
137.5°	1339.5	1287.3	1235.0	1287.3	1339.5	1352.6	1479.6	1649.0	1733.7	1866.8	2132.9
140°	1376.7	1328.6	1280.4	1328.6	1376.7	1388.8	1501.0	1650.7	1725.5	1840.4	2070.4
142.5°	1404.5	1359.9	1315.4	1359.9	1404.5	1415.6	1518.9	1656.6	1725.5	1826.4	2028.4
145°	1446.7	1407.8	1369.0	1407.8	1446.7	1456.4	1542.2	1656.6	1713.8	1796.4	1961.6
147.5°	1498.2	1460.4	1422.6	1460.4	1498.2	1507.7	1576.4	1668.0	1713.8	1778.8	1908.7
150°	1525.9	1491.7	1457.5	1491.7	1525.9	1534.4	1594.2	1673.9	1713.8	1768.7	1878.5
152.5°	1545.5	1519.5	1493.7	1519.5	1545.5	1551.9	1605.9	1677.8	1713.8	1760.7	1854.4
155°	1585.6	1566.4	1547.3	1566.4	1585.6	1590.3	1631.5	1686.3	1713.8	1751.1	1825.7
157.5°	1624.1	1605.5	1586.9	1605.5	1624.1	1628.8	1657.1	1694.9	1713.8	1742.8	1800.8
160°	1642.6	1628.1	1613.7	1628.1	1642.6	1646.3	1668.8	1698.8	1713.8	1738.6	1788.4
162.5°	1662.2	1651.3	1640.5	1651.3	1662.2	1664.9	1681.2	1703.0	1713.8	1734.8	1776.7
165°	1689.2	1679.3	1669.5	1679.3	1689.2	1691.7	1699.0	1708.8	1713.8	1728.8	1758.9
167.5°	1705.7	1701.0	1696.3	1701.0	1705.7	1706.9	1713.0	1721.4	1725.5	1735.3	1755.0
170°	1723.1	1718.5	1713.8	1718.5	1723.1	1724.4	1724.7	1725.2	1725.5	1735.3	1755.0
172.5°	1725.2	1724.2	1723.1	1724.2	1725.2	1725.5	1725.5	1725.5	1725.5	1733.2	1748.7
175°	1735.9	1735.9	1735.9	1735.9	1735.9	1735.9	1732.5	1727.8	1725.5	1730.4	1740.2
177.5°	1735.9	1735.9	1735.9	1735.9	1735.9	1735.9	1733.2	1729.6	1727.8	1731.7	1739.5
180°	1735.9	1735.9	1735.9	1735.9	1735.9	1735.9	1735.9	1735.9	1735.9	1735.9	1735.9



TEST NUMBER: P935996

CATALOG NUMBER: SQ4-FA-150U-075D-B2750-1D-UNV-STD-W-8-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1974.4	1974.4	1974.4	1974.4	1974.4	1974.4	1974.4	1974.4	1974.4	1974.4	1974.4
2.5°	1905.3	1899.7	1907.1	1886.6	1907.1	1899.7	1905.3	1918.3	1907.1	1914.6	1922.1
5°	1671.8	1662.4	1632.5	1608.3	1632.5	1662.4	1671.8	1711.0	1729.7	1763.3	1808.1
7.5°	1494.3	1486.8	1479.4	1464.4	1479.4	1486.8	1494.3	1505.5	1524.2	1554.1	1587.7
10°	1455.1	1456.9	1468.2	1466.3	1468.2	1456.9	1455.1	1451.3	1445.7	1451.3	1471.9
12.5°	1556.0	1572.8	1634.4	1630.7	1634.4	1572.8	1556.0	1481.2	1430.8	1421.5	1425.2
15°	1671.8	1677.4	1690.4	1692.3	1690.4	1677.4	1671.8	1641.9	1490.6	1425.2	1404.6
17.5°	1683.0	1684.8	1694.2	1694.2	1694.2	1684.8	1683.0	1669.9	1619.5	1531.7	1415.9
20°	1673.6	1677.4	1696.1	1699.8	1696.1	1677.4	1673.6	1656.8	1628.8	1597.0	1509.3
22.5°	1669.9	1677.4	1692.3	1690.4	1692.3	1677.4	1669.9	1643.7	1619.5	1597.0	1561.6
25°	1651.2	1651.2	1653.1	1655.0	1653.1	1651.2	1651.2	1630.7	1582.1	1576.5	1556.0
27.5°	1612.0	1615.7	1626.9	1625.1	1626.9	1615.7	1612.0	1604.5	1552.2	1546.6	1531.7
30°	1576.5	1572.8	1563.4	1556.0	1563.4	1572.8	1576.5	1565.3	1513.0	1498.0	1501.8
32.5°	1516.7	1507.4	1498.0	1492.4	1498.0	1507.4	1516.7	1513.0	1473.8	1453.2	1456.9
35°	1445.7	1447.6	1445.7	1440.1	1445.7	1447.6	1445.7	1449.5	1425.2	1406.5	1404.6
37.5°	1395.3	1399.0	1397.2	1389.7	1397.2	1399.0	1395.3	1391.6	1357.9	1352.3	1356.1
40°	1343.0	1344.9	1343.0	1337.4	1343.0	1344.9	1343.0	1335.5	1288.8	1290.7	1303.8
42.5°	1292.6	1290.7	1285.1	1281.4	1285.1	1290.7	1292.6	1281.4	1221.6	1216.0	1240.3
45°	1234.7	1236.5	1225.3	1219.7	1225.3	1236.5	1234.7	1227.2	1165.5	1150.6	1167.4
47.5°	1176.7	1176.7	1167.4	1161.8	1167.4	1176.7	1176.7	1167.4	1102.1	1087.2	1096.5
50°	1115.1	1113.3	1100.3	1098.4	1100.3	1113.3	1115.1	1109.6	1040.5	1027.4	1027.4
52.5°	1044.2	1044.2	1046.1	1049.8	1046.1	1044.2	1044.2	1046.1	984.4	971.4	967.6
55°	982.6	984.4	997.5	1001.2	997.5	984.4	982.6	982.6	926.5	913.5	906.0
57.5°	919.1	919.1	928.4	928.4	928.4	919.1	919.1	915.3	861.1	849.9	846.2
60°	846.2	849.9	857.4	855.5	857.4	849.9	846.2	842.5	795.8	788.3	775.2
62.5°	769.6	773.4	775.2	771.5	775.2	773.4	769.6	758.4	730.4	724.8	708.0
65°	689.3	693.0	694.9	691.2	694.9	693.0	689.3	683.7	663.1	653.8	638.9
67.5°	607.1	605.2	603.4	610.8	603.4	605.2	607.1	599.6	586.6	579.1	558.5
70°	523.0	523.0	521.2	524.9	521.2	523.0	523.0	517.4	510.0	504.4	485.7
72.5°	433.4	431.5	439.0	433.4	439.0	431.5	433.4	431.5	427.8	422.2	403.5
75°	345.6	349.3	345.6	351.2	345.6	349.3	345.6	347.4	345.6	341.8	328.8
77.5°	263.4	267.1	263.4	263.4	263.4	267.1	263.4	265.3	265.3	265.3	254.0
80°	186.8	184.9	184.9	183.1	184.9	184.9	186.8	186.8	188.7	184.9	181.2
82.5°	119.6	117.7	117.7	121.4	117.7	117.7	119.6	121.4	117.7	117.7	117.7
85°	65.4	67.2	63.5	63.5	63.5	67.2	65.4	61.6	65.4	65.4	63.5
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	59.0	78.7	88.5	76.1
92.5°	221.4	212.6	177.4	142.2	177.4	212.6	221.4	313.8	437.0	498.7	437.9
95°	751.5	724.8	618.1	511.5	618.1	724.8	751.5	986.9	1300.6	1457.5	1230.9
97.5°	1734.8	1684.1	1481.0	1278.1	1481.0	1684.1	1734.8	1883.6	2081.9	2181.1	1803.4
100°	2436.2	2375.7	2133.9	1892.1	2133.9	2375.7	2436.2	2425.3	2410.8	2403.6	1984.4
102.5°	3035.0	2983.3	2776.1	2569.1	2776.1	2983.3	3035.0	2845.5	2592.9	2466.5	2041.4
105°	3734.1	3706.3	3595.0	3483.6	3595.0	3706.3	3734.1	3309.3	2742.8	2459.5	2047.8
107.5°	4097.6	4104.4	4131.3	4158.2	4131.3	4104.4	4097.6	3505.0	2714.8	2319.7	1956.7
110°	4190.9	4219.8	4335.8	4451.8	4335.8	4219.8	4190.9	3528.3	2644.9	2203.2	1875.9



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	4131.4	4175.9	4354.0	4532.1	4354.0	4175.9	4131.4	3453.3	2549.2	2097.1	1805.3
115°	3929.8	3991.5	4238.6	4485.5	4238.6	3991.5	3929.8	3276.6	2405.6	1970.2	1724.4
117.5°	3651.4	3719.8	3993.8	4267.7	3993.8	3719.8	3651.4	3061.8	2275.8	1882.8	1673.8
120°	3463.8	3530.3	3796.5	4062.6	3796.5	3530.3	3463.8	2925.2	2206.9	1847.8	1656.7
122.5°	3276.2	3341.9	3604.4	3866.9	3604.4	3341.9	3276.2	2791.2	2144.4	1821.0	1647.9
125°	3028.0	3088.5	3330.4	3572.2	3330.4	3088.5	3028.0	2615.9	2066.6	1791.9	1640.4
127.5°	2828.8	2879.8	3083.9	3287.9	3083.9	2879.8	2828.8	2475.0	2003.2	1767.4	1636.2
130°	2703.0	2750.2	2938.6	3127.1	2938.6	2750.2	2703.0	2388.1	1968.0	1758.1	1638.7
132.5°	2595.8	2638.0	2806.8	2975.6	2806.8	2638.0	2595.8	2313.8	1937.9	1749.9	1640.5
135°	2444.4	2480.7	2626.2	2771.7	2626.2	2480.7	2444.4	2208.3	1893.4	1735.9	1638.9
137.5°	2332.5	2362.3	2481.4	2600.4	2481.4	2362.3	2332.5	2132.9	1866.8	1733.7	1649.0
140°	2242.8	2270.6	2382.0	2493.3	2382.0	2270.6	2242.8	2070.4	1840.4	1725.5	1650.7
142.5°	2179.9	2203.8	2299.6	2395.4	2299.6	2203.8	2179.9	2028.4	1826.4	1725.5	1656.6
145°	2085.5	2103.6	2176.1	2248.6	2176.1	2103.6	2085.5	1961.6	1796.4	1713.8	1656.6
147.5°	2006.2	2021.3	2081.3	2141.4	2081.3	2021.3	2006.2	1908.7	1778.8	1713.8	1668.0
150°	1960.8	1973.0	2021.7	2070.4	2021.7	1973.0	1960.8	1878.5	1768.7	1713.8	1673.9
152.5°	1924.7	1933.8	1970.6	2007.4	1970.6	1933.8	1924.7	1854.4	1760.7	1713.8	1677.8
155°	1881.6	1887.7	1912.1	1936.4	1912.1	1887.7	1881.6	1825.7	1751.1	1713.8	1686.3
157.5°	1844.4	1848.7	1865.7	1882.8	1865.7	1848.7	1844.4	1800.8	1742.8	1713.8	1694.9
160°	1825.7	1828.1	1838.0	1847.8	1838.0	1828.1	1825.7	1788.4	1738.6	1713.8	1698.8
162.5°	1808.2	1810.6	1819.8	1829.1	1819.8	1810.6	1808.2	1776.7	1734.8	1713.8	1703.0
165°	1781.4	1783.8	1793.7	1803.6	1793.7	1783.8	1781.4	1758.9	1728.8	1713.8	1708.8
167.5°	1769.7	1770.8	1775.0	1779.1	1775.0	1770.8	1769.7	1755.0	1735.3	1725.5	1721.4
170°	1769.7	1769.7	1769.7	1769.7	1769.7	1769.7	1769.7	1755.0	1735.3	1725.5	1725.2
172.5°	1760.4	1759.5	1755.9	1752.3	1755.9	1759.5	1760.4	1748.7	1733.2	1725.5	1725.5
175°	1747.6	1747.6	1747.6	1747.6	1747.6	1747.6	1747.6	1740.2	1730.4	1725.5	1727.8
177.5°	1745.3	1744.2	1740.0	1735.9	1740.0	1744.2	1745.3	1739.5	1731.7	1727.8	1729.6
180°	1735.9	1735.9	1735.9	1735.9	1735.9	1735.9	1735.9	1735.9	1735.9	1735.9	1735.9



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1974.4	1974.4	1974.4	1974.4	1974.4
2.5°	1950.1	1959.4	1965.0	1972.5	1991.2
5°	1875.4	1910.9	1922.1	1950.1	1983.7
7.5°	1711.0	1819.3	1849.2	1916.5	1968.8
10°	1552.2	1660.6	1712.9	1871.6	1950.1
12.5°	1471.9	1535.4	1570.9	1793.2	1923.9
15°	1421.5	1466.3	1492.4	1688.6	1894.1
17.5°	1382.2	1414.0	1432.7	1585.8	1853.0
20°	1357.9	1372.9	1389.7	1511.1	1806.3
22.5°	1341.1	1331.8	1344.9	1458.8	1742.8
25°	1329.9	1294.4	1309.4	1417.7	1668.0
27.5°	1339.3	1260.8	1266.4	1380.4	1589.6
30°	1341.1	1219.7	1221.6	1341.1	1501.8
32.5°	1328.1	1176.7	1178.6	1292.6	1402.8
35°	1296.3	1126.3	1124.4	1236.5	1268.3
37.5°	1253.3	1072.2	1072.2	1174.9	1120.7
40°	1201.0	1018.1	1023.7	1094.6	990.0
42.5°	1137.5	960.2	967.6	988.2	892.9
45°	1068.5	904.1	909.7	835.0	818.2
47.5°	991.9	846.2	848.1	693.0	793.9
50°	900.4	786.4	779.0	594.0	792.0
52.5°	820.1	721.0	698.6	538.0	719.2
55°	741.6	651.9	603.4	495.0	666.9
57.5°	672.5	562.3	515.6	444.6	655.7
60°	609.0	474.5	439.0	390.4	601.5
62.5°	556.7	409.1	401.6	353.1	545.5
65°	500.6	364.3	362.4	321.3	463.3
67.5°	446.5	334.4	332.5	291.4	353.1
70°	388.5	302.6	298.9	259.7	261.5
72.5°	328.8	267.1	263.4	233.5	216.7
75°	269.0	226.0	224.2	203.6	175.6
77.5°	211.1	179.3	183.1	164.4	128.9
80°	151.3	130.8	134.5	117.7	97.1
82.5°	100.9	85.9	89.7	74.7	65.4
85°	56.0	48.6	50.4	39.2	29.9
87.5°	26.2	22.4	22.4	14.9	9.3
90°	51.3	32.6	30.3	21.0	11.7
92.5°	316.2	224.9	205.1	125.8	46.6
95°	777.8	438.0	401.8	256.8	111.9
97.5°	1047.9	481.2	449.3	321.3	193.4
100°	1146.1	517.3	488.3	372.3	256.3
102.5°	1191.1	553.4	526.3	418.2	309.9
105°	1224.5	607.0	584.1	492.4	400.8
107.5°	1230.7	686.2	664.8	579.5	494.0
110°	1221.4	730.5	711.2	634.1	556.9



TEST NUMBER: P935996

CATALOG NUMBER: SQ4-FA-150U-075D-B2750-1D-UNV-STD-W-8-5000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1221.8	784.1	765.7	692.2	618.7
115°	1233.1	864.5	847.5	779.7	711.9
117.5°	1255.9	942.6	927.2	865.5	803.9
120°	1274.6	988.0	973.5	915.5	857.5
122.5°	1301.4	1041.6	1026.9	968.5	909.9
125°	1337.5	1110.3	1097.0	1043.7	990.3
127.5°	1373.6	1176.7	1163.3	1109.4	1055.6
130°	1400.1	1221.0	1206.5	1148.5	1090.5
132.5°	1421.5	1257.2	1242.7	1184.7	1126.7
135°	1444.7	1299.1	1285.9	1233.1	1180.2
137.5°	1479.6	1352.6	1339.5	1287.3	1235.0
140°	1501.0	1388.8	1376.7	1328.6	1280.4
142.5°	1518.9	1415.6	1404.5	1359.9	1315.4
145°	1542.2	1456.4	1446.7	1407.8	1369.0
147.5°	1576.4	1507.7	1498.2	1460.4	1422.6
150°	1594.2	1534.4	1525.9	1491.7	1457.5
152.5°	1605.9	1551.9	1545.5	1519.5	1493.7
155°	1631.5	1590.3	1585.6	1566.4	1547.3
157.5°	1657.1	1628.8	1624.1	1605.5	1586.9
160°	1668.8	1646.3	1642.6	1628.1	1613.7
162.5°	1681.2	1664.9	1662.2	1651.3	1640.5
165°	1699.0	1691.7	1689.2	1679.3	1669.5
167.5°	1713.0	1706.9	1705.7	1701.0	1696.3
170°	1724.7	1724.4	1723.1	1718.5	1713.8
172.5°	1725.5	1725.5	1725.2	1724.2	1723.1
175°	1732.5	1735.9	1735.9	1735.9	1735.9
177.5°	1733.2	1735.9	1735.9	1735.9	1735.9
180°	1735.9	1735.9	1735.9	1735.9	1735.9



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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	10.46	11.18	11.57	12.28	13.79	13.30	14.02	14.40	15.11	16.63
	3H	10.93	11.57	12.04	12.68	14.21	14.64	15.28	15.75	16.38	17.92
	4H	11.11	11.72	12.23	12.83	14.37	15.08	15.68	16.20	16.79	18.33
	6H	11.22	11.78	12.35	12.89	14.44	15.35	15.91	16.49	17.03	18.58
	8H	11.22	11.75	12.35	12.88	14.42	15.43	15.96	16.56	17.08	18.63
	12H	11.19	11.69	12.32	12.81	14.38	15.46	15.97	16.60	17.09	18.65
4H	2H	11.48	12.09	12.61	13.20	14.73	13.69	14.30	14.82	15.41	16.95
	3H	12.49	13.00	13.63	14.13	15.68	15.19	15.69	16.32	16.83	18.38
	4H	12.76	13.23	13.90	14.35	15.92	15.71	16.17	16.85	17.30	18.87
	6H	12.88	13.28	14.02	14.42	15.99	16.07	16.47	17.21	17.61	19.17
	8H	12.88	13.25	14.03	14.39	15.97	16.17	16.54	17.32	17.68	19.26
	12H	12.84	13.18	14.00	14.33	15.91	16.22	16.56	17.38	17.71	19.29
8H	4H	13.21	13.58	14.35	14.72	16.29	15.82	16.19	16.97	17.33	18.91
	6H	13.46	13.77	14.63	14.95	16.52	16.25	16.56	17.42	17.74	19.32
	8H	13.50	13.77	14.67	14.93	16.52	16.41	16.67	17.58	17.83	19.43
	12H	13.48	13.71	14.65	14.87	16.50	16.50	16.73	17.67	17.89	19.52
12H	4H	13.20	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	16.54	16.25	16.52	17.42	17.68	19.27
	8H	13.58	13.82	14.75	14.97	16.60	16.41	16.64	17.58	17.80	19.43