

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: P935995

Luminaire Tested: SQ4-FA-150U-075D-B2750-1D-UNV-STD-W-8-4000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935995
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-8-4000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

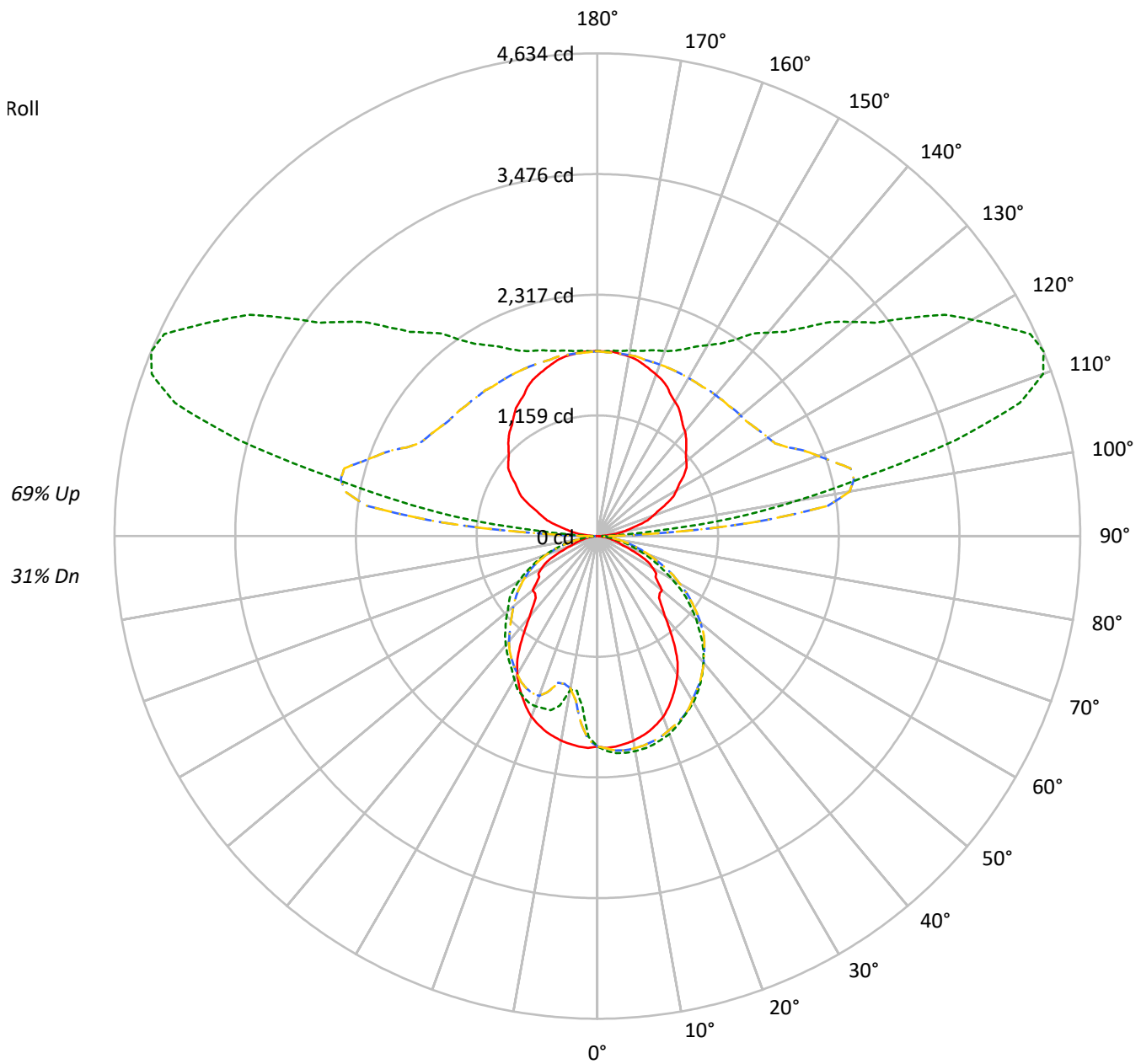
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16747.8 lumens
Efficiency: N/A
Efficacy: 131.7 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°	9366	9366	9366	9366
5°	9436	9455	9436	7434
10°	9373	9314	9373	6659
15°	9271	9112	9271	7609
20°	9078	8873	9078	7624
25°	8680	8524	8680	7463
30°	8167	8235	8167	7108
35°	7281	7868	7281	6718
40°	6067	7437	6067	6424
45°	5422	6933	5422	6085
50°	5759	6331	5759	5745
55°	5419	5683	5419	5549
60°	5586	4827	5586	5082
65°	5065	3990	5065	4460
70°	3507	3180	3507	3739
75°	3074	2351	3074	2815
80°	2478	1554	2478	1692
85°	1425	823	1425	699

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 8309 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	182.2	1.1
10°-20°	517.4	3.1
20°-30°	799.8	4.8
30°-40°	954.8	5.7
40°-50°	960.4	5.7
50°-60°	835.7	5.0
60°-70°	592.5	3.5
70°-80°	313.5	1.9
80°-90°	84.8	0.5
90°-100°	865.2	5.2
100°-110°	2274.7	13.6
110°-120°	2358.7	14.1
120°-130°	1891.9	11.3
130°-140°	1484.5	8.9
140°-150°	1139.4	6.8
150°-160°	820.6	4.9
160°-170°	502.1	3.0
170°-180°	169.6	1.0
0°-30°	1499.4	9.0
0°-40°	2454.2	14.7
0°-60°	4250.3	25.4
0°-90°	5241.1	31.3
90°-120°	5498.6	32.8
90°-150°	10014.5	59.8
90°-180°	11507.0	68.7
0°-180°	16747.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2019	2019	2019	2019	2019	
5°	2028	2091	2028	1644	2028	192
15°	1937	2072	1937	1730	1937	545
25°	1706	1933	1706	1692	1706	783
35°	1297	1725	1297	1472	1297	802
45°	837	1421	837	1247	837	670
55°	682	1049	682	1024	682	627
65°	474	632	474	707	474	453
75°	180	300	180	359	180	189
85°	31	76	31	65	31	41
90°	12	45	12	45	12	11
95°	114	523	114	523	114	127
105°	410	3562	410	3562	410	434
115°	728	4586	728	4586	728	719
125°	1013	3652	1013	3652	1013	899
135°	1207	2834	1207	2834	1207	934
145°	1400	2299	1400	2299	1400	877
155°	1582	1980	1582	1980	1582	727
165°	1707	1844	1707	1844	1707	482
175°	1775	1787	1775	1787	1775	168
180°	1775	1775	1775	1775	1775	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2018.8	2018.8	2018.8	2018.8	2018.8	2018.8	2018.8	2018.8	2018.8	2018.8	2018.8
2.5°	2036.0	2036.0	2047.4	2051.2	2051.2	2045.5	2039.8	2045.5	2062.7	2068.4	2066.5
5°	2028.3	2043.6	2064.6	2068.4	2072.3	2070.3	2066.5	2070.3	2089.4	2093.3	2095.2
7.5°	2013.0	2041.7	2068.4	2074.2	2079.9	2074.2	2072.3	2076.1	2095.2	2099.0	2099.0
10°	1993.9	2034.1	2064.6	2068.4	2074.2	2068.4	2068.4	2076.1	2095.2	2099.0	2100.9
12.5°	1967.2	2022.6	2051.2	2055.1	2062.7	2060.8	2058.9	2066.5	2085.6	2089.4	2089.4
15°	1936.6	2001.6	2028.3	2032.1	2045.5	2041.7	2041.7	2049.3	2070.3	2076.1	2074.2
17.5°	1894.6	1974.8	2005.4	2011.1	2020.7	2018.8	2020.7	2028.3	2047.4	2051.2	2053.2
20°	1846.9	1938.6	1974.8	1980.6	1990.1	1990.1	1990.1	1999.7	2018.8	2026.4	2026.4
22.5°	1781.9	1900.4	1938.6	1942.4	1953.8	1953.8	1957.7	1971.0	1988.2	1990.1	1990.1
25°	1705.5	1858.3	1890.8	1902.3	1913.7	1919.5	1925.2	1932.8	1938.6	1936.6	1938.6
27.5°	1625.3	1804.9	1846.9	1854.5	1869.8	1875.5	1883.2	1885.1	1887.0	1892.7	1888.9
30°	1535.5	1730.4	1793.4	1801.0	1825.9	1829.7	1822.0	1825.9	1835.4	1839.2	1843.1
32.5°	1434.3	1619.6	1738.0	1755.2	1778.1	1766.7	1764.7	1770.5	1785.8	1785.8	1789.6
35°	1296.8	1533.6	1686.4	1701.7	1718.9	1705.5	1713.2	1715.1	1724.6	1730.4	1728.5
37.5°	1145.9	1459.1	1633.0	1644.4	1657.8	1640.6	1652.1	1657.8	1665.4	1661.6	1661.6
40°	1012.3	1342.6	1569.9	1577.6	1589.0	1575.7	1587.1	1590.9	1594.8	1590.9	1589.0
42.5°	913.0	1214.7	1503.1	1512.6	1505.0	1514.5	1518.4	1526.0	1520.3	1512.6	1512.6
45°	836.6	1180.3	1430.5	1442.0	1430.5	1445.8	1451.5	1451.5	1434.3	1430.5	1428.6
47.5°	811.8	1111.6	1357.9	1357.9	1352.2	1371.3	1380.8	1367.5	1350.3	1344.5	1344.5
50°	809.8	1035.2	1258.6	1251.0	1277.7	1300.6	1291.1	1277.7	1264.3	1243.3	1243.3
52.5°	735.4	941.6	1130.7	1159.3	1201.3	1214.7	1199.4	1186.0	1163.1	1153.5	1145.9
55°	681.9	844.2	1014.2	1071.5	1115.4	1132.6	1104.0	1090.6	1056.2	1050.5	1046.7
57.5°	670.4	702.9	907.2	979.8	1033.3	1031.4	1014.2	989.4	960.7	955.0	953.1
60°	615.0	508.1	792.6	878.6	934.0	928.3	913.0	890.1	863.3	859.5	855.7
62.5°	557.7	368.6	662.8	760.2	838.5	836.6	823.2	788.8	769.7	760.2	752.5
65°	473.7	309.4	471.8	632.2	744.9	748.7	720.1	695.2	674.2	662.8	660.9
67.5°	361.0	252.1	319.0	527.2	655.1	651.3	615.0	603.6	576.8	571.1	559.6
70°	267.4	168.1	221.6	427.8	567.3	557.7	529.1	515.7	490.9	477.5	469.9
72.5°	221.6	135.6	162.4	332.3	477.5	466.0	441.2	425.9	404.9	393.5	385.8
75°	179.5	143.2	124.2	246.4	387.7	380.1	357.2	341.9	324.7	309.4	311.3
77.5°	131.8	133.7	99.3	181.4	307.5	296.0	282.7	263.6	255.9	240.7	240.7
80°	99.3	105.0	74.5	124.2	221.6	221.6	210.1	196.7	183.4	175.7	175.7
82.5°	66.8	66.8	55.4	78.3	150.9	145.2	137.5	133.7	126.1	122.2	122.2
85°	30.6	38.2	34.4	47.8	82.1	86.0	86.0	82.1	80.2	76.4	78.3
87.5°	9.5	17.2	21.0	26.7	42.0	43.9	45.8	45.8	45.8	47.8	47.8
90°	11.9	21.5	30.9	33.3	52.4	77.8	90.5	80.5	60.4	45.3	45.3
92.5°	47.7	128.6	209.7	230.0	323.3	447.7	509.9	446.8	320.9	226.3	217.4
95°	114.4	262.6	410.8	447.9	795.3	1258.6	1490.3	1329.8	1009.1	768.4	741.1
97.5°	197.8	328.5	459.4	492.0	1071.4	1843.9	2230.1	2128.7	1925.9	1773.8	1722.0
100°	262.1	380.7	499.3	529.0	1171.9	2029.0	2457.6	2465.0	2479.8	2490.9	2429.1
102.5°	316.9	427.6	538.1	565.8	1217.9	2087.2	2522.0	2651.2	2909.5	3103.3	3050.4
105°	409.8	503.5	597.3	620.7	1252.0	2093.8	2514.8	2804.5	3383.7	3818.1	3789.6
107.5°	505.1	592.5	679.8	701.6	1258.4	2000.7	2371.8	2775.8	3583.8	4189.8	4196.7
110°	569.5	648.3	727.2	746.9	1248.9	1918.1	2252.7	2704.4	3607.6	4285.1	4314.7



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	632.6	707.8	782.9	801.7	1249.2	1845.9	2144.3	2606.5	3530.9	4224.3	4269.8
115°	727.9	797.2	866.6	883.9	1260.8	1763.2	2014.5	2459.7	3350.2	4018.2	4081.3
117.5°	822.0	885.0	948.0	963.8	1284.2	1711.5	1925.1	2327.0	3130.7	3733.5	3803.5
120°	876.8	936.1	995.4	1010.2	1303.3	1694.0	1889.4	2256.6	2991.0	3541.7	3609.7
122.5°	930.4	990.2	1050.0	1065.0	1330.7	1684.9	1862.0	2192.6	2853.9	3349.9	3417.0
125°	1012.6	1067.1	1121.6	1135.3	1367.6	1677.3	1832.2	2113.0	2674.8	3096.1	3157.9
127.5°	1079.3	1134.3	1189.5	1203.2	1404.5	1673.0	1807.1	2048.3	2530.7	2892.4	2944.6
130°	1115.1	1174.4	1233.7	1248.5	1431.5	1675.5	1797.6	2012.3	2441.7	2763.8	2812.0
132.5°	1152.0	1211.3	1270.6	1285.4	1453.4	1677.4	1789.3	1981.4	2365.8	2654.1	2697.3
135°	1206.7	1260.8	1314.8	1328.3	1477.2	1675.7	1775.0	1936.0	2257.9	2499.3	2536.5
137.5°	1262.8	1316.3	1369.7	1383.0	1512.9	1686.1	1772.7	1908.8	2180.8	2384.9	2415.4
140°	1309.2	1358.5	1407.7	1420.0	1534.8	1687.8	1764.3	1881.8	2116.9	2293.2	2321.7
142.5°	1344.9	1390.5	1436.0	1447.4	1553.0	1693.9	1764.3	1867.5	2074.0	2228.9	2253.3
145°	1399.7	1439.5	1479.2	1489.1	1576.9	1693.9	1752.3	1836.8	2005.7	2132.4	2150.9
147.5°	1454.6	1493.2	1531.9	1541.6	1611.8	1705.5	1752.3	1818.8	1951.6	2051.3	2066.7
150°	1490.3	1525.2	1560.2	1568.9	1630.0	1711.6	1752.3	1808.5	1920.7	2004.9	2017.3
152.5°	1527.2	1553.7	1580.2	1586.8	1642.0	1715.6	1752.3	1800.3	1896.1	1968.0	1977.3
155°	1582.1	1601.6	1621.2	1626.1	1668.2	1724.3	1752.3	1790.4	1866.7	1923.9	1930.2
157.5°	1622.5	1641.6	1660.6	1665.4	1694.4	1733.0	1752.3	1782.0	1841.3	1885.8	1890.2
160°	1650.0	1664.8	1679.6	1683.3	1706.3	1737.0	1752.3	1777.7	1828.6	1866.7	1869.2
162.5°	1677.4	1688.4	1699.6	1702.4	1719.0	1741.3	1752.3	1773.8	1816.7	1848.9	1851.3
165°	1707.1	1717.1	1727.2	1729.7	1737.2	1747.3	1752.3	1767.7	1798.5	1821.5	1824.0
167.5°	1734.5	1739.2	1744.0	1745.3	1751.6	1760.1	1764.3	1774.3	1794.4	1809.5	1810.6
170°	1752.3	1757.1	1761.9	1763.1	1763.5	1764.0	1764.3	1774.3	1794.4	1809.5	1809.5
172.5°	1761.9	1762.9	1764.0	1764.3	1764.3	1764.3	1764.3	1772.2	1788.0	1800.0	1799.0
175°	1775.0	1775.0	1775.0	1775.0	1771.4	1766.7	1764.3	1769.3	1779.4	1786.9	1786.9
177.5°	1775.0	1775.0	1775.0	1775.0	1772.2	1768.5	1766.7	1770.7	1778.6	1784.5	1783.5
180°	1775.0	1775.0	1775.0	1775.0	1775.0	1775.0	1775.0	1775.0	1775.0	1775.0	1775.0



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2018.8	2018.8	2018.8	2018.8	2018.8	2018.8	2018.8	2018.8	2018.8	2018.8	2018.8
2.5°	2070.3	2064.6	2070.3	2066.5	2068.4	2062.7	2045.5	2039.8	2045.5	2051.2	2051.2
5°	2095.2	2091.4	2095.2	2095.2	2093.3	2089.4	2070.3	2066.5	2070.3	2072.3	2068.4
7.5°	2102.8	2097.1	2102.8	2099.0	2099.0	2095.2	2076.1	2072.3	2074.2	2079.9	2074.2
10°	2102.8	2097.1	2102.8	2100.9	2099.0	2095.2	2076.1	2068.4	2068.4	2074.2	2068.4
12.5°	2093.3	2089.4	2093.3	2089.4	2089.4	2085.6	2066.5	2058.9	2060.8	2062.7	2055.1
15°	2078.0	2072.3	2078.0	2074.2	2076.1	2070.3	2049.3	2041.7	2041.7	2045.5	2032.1
17.5°	2055.1	2047.4	2055.1	2053.2	2051.2	2047.4	2028.3	2020.7	2018.8	2020.7	2011.1
20°	2028.3	2022.6	2028.3	2026.4	2026.4	2018.8	1999.7	1990.1	1990.1	1990.1	1980.6
22.5°	1986.3	1980.6	1986.3	1990.1	1990.1	1988.2	1971.0	1957.7	1953.8	1953.8	1942.4
25°	1938.6	1932.8	1938.6	1938.6	1936.6	1938.6	1932.8	1925.2	1919.5	1913.7	1902.3
27.5°	1892.7	1888.9	1892.7	1888.9	1892.7	1887.0	1885.1	1883.2	1875.5	1869.8	1854.5
30°	1846.9	1843.1	1846.9	1843.1	1839.2	1835.4	1825.9	1822.0	1829.7	1825.9	1801.0
32.5°	1789.6	1785.8	1789.6	1789.6	1785.8	1785.8	1770.5	1764.7	1766.7	1778.1	1755.2
35°	1730.4	1724.6	1730.4	1728.5	1730.4	1724.6	1715.1	1713.2	1705.5	1718.9	1701.7
37.5°	1661.6	1655.9	1661.6	1661.6	1661.6	1665.4	1657.8	1652.1	1640.6	1657.8	1644.4
40°	1590.9	1583.3	1590.9	1589.0	1590.9	1594.8	1590.9	1587.1	1575.7	1589.0	1577.6
42.5°	1510.7	1508.8	1510.7	1512.6	1512.6	1520.3	1526.0	1518.4	1514.5	1505.0	1512.6
45°	1424.8	1420.9	1424.8	1428.6	1430.5	1434.3	1451.5	1451.5	1445.8	1430.5	1442.0
47.5°	1333.1	1323.5	1333.1	1344.5	1344.5	1350.3	1367.5	1380.8	1371.3	1352.2	1357.9
50°	1235.7	1237.6	1235.7	1243.3	1243.3	1264.3	1277.7	1291.1	1300.6	1277.7	1251.0
52.5°	1140.2	1138.4	1140.2	1145.9	1153.5	1163.1	1186.0	1199.4	1214.7	1201.3	1159.3
55°	1044.8	1048.6	1044.8	1046.7	1050.5	1056.2	1090.6	1104.0	1132.6	1115.4	1071.5
57.5°	949.3	943.5	949.3	953.1	955.0	960.7	989.4	1014.2	1031.4	1033.3	979.8
60°	838.5	830.8	838.5	855.7	859.5	863.3	890.1	913.0	928.3	934.0	878.6
62.5°	741.1	727.7	741.1	752.5	760.2	769.7	788.8	823.2	836.6	838.5	760.2
65°	637.9	632.2	637.9	660.9	662.8	674.2	695.2	720.1	748.7	744.9	632.2
67.5°	544.4	544.4	544.4	559.6	571.1	576.8	603.6	615.0	651.3	655.1	527.2
70°	458.4	456.5	458.4	469.9	477.5	490.9	515.7	529.1	557.7	567.3	427.8
72.5°	376.3	374.4	376.3	385.8	393.5	404.9	425.9	441.2	466.0	477.5	332.3
75°	303.7	299.9	303.7	311.3	309.4	324.7	341.9	357.2	380.1	387.7	246.4
77.5°	233.0	233.0	233.0	240.7	240.7	255.9	263.6	282.7	296.0	307.5	181.4
80°	173.8	171.9	173.8	175.7	175.7	183.4	196.7	210.1	221.6	221.6	124.2
82.5°	122.2	118.4	122.2	122.2	122.2	126.1	133.7	137.5	145.2	150.9	78.3
85°	76.4	76.4	76.4	78.3	76.4	80.2	82.1	86.0	86.0	82.1	47.8
87.5°	49.7	47.8	49.7	47.8	47.8	45.8	45.8	45.8	43.9	42.0	26.7
90°	45.3	45.3	45.3	45.3	45.3	60.4	80.5	90.5	77.8	52.4	33.3
92.5°	181.4	145.4	181.4	217.4	226.3	320.9	446.8	509.9	447.7	323.3	230.0
95°	632.0	523.0	632.0	741.1	768.4	1009.1	1329.8	1490.3	1258.6	795.3	447.9
97.5°	1514.3	1306.8	1514.3	1722.0	1773.8	1925.9	2128.7	2230.1	1843.9	1071.4	492.0
100°	2181.9	1934.6	2181.9	2429.1	2490.9	2479.8	2465.0	2457.6	2029.0	1171.9	529.0
102.5°	2838.5	2626.8	2838.5	3050.4	3103.3	2909.5	2651.2	2522.0	2087.2	1217.9	565.8
105°	3675.8	3562.0	3675.8	3789.6	3818.1	3383.7	2804.5	2514.8	2093.8	1252.0	620.7
107.5°	4224.2	4251.7	4224.2	4196.7	4189.8	3583.8	2775.8	2371.8	2000.7	1258.4	701.6
110°	4433.3	4551.9	4433.3	4314.7	4285.1	3607.6	2704.4	2252.7	1918.1	1248.9	746.9



TEST NUMBER: P935995

CATALOG NUMBER: SQ4-FA-150U-075D-B2750-1D-UNV-STD-W-8-4000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	4451.9	4634.0	4451.9	4269.8	4224.3	3530.9	2606.5	2144.3	1845.9	1249.2	801.7
115°	4333.9	4586.4	4333.9	4081.3	4018.2	3350.2	2459.7	2014.5	1763.2	1260.8	883.9
117.5°	4083.6	4363.7	4083.6	3803.5	3733.5	3130.7	2327.0	1925.1	1711.5	1284.2	963.8
120°	3881.9	4154.0	3881.9	3609.7	3541.7	2991.0	2256.6	1889.4	1694.0	1303.3	1010.2
122.5°	3685.4	3953.9	3685.4	3417.0	3349.9	2853.9	2192.6	1862.0	1684.9	1330.7	1065.0
125°	3405.2	3652.5	3405.2	3157.9	3096.1	2674.8	2113.0	1832.2	1677.3	1367.6	1135.3
127.5°	3153.2	3361.8	3153.2	2944.6	2892.4	2530.7	2048.3	1807.1	1673.0	1404.5	1203.2
130°	3004.7	3197.4	3004.7	2812.0	2763.8	2441.7	2012.3	1797.6	1675.5	1431.5	1248.5
132.5°	2869.9	3042.5	2869.9	2697.3	2654.1	2365.8	1981.4	1789.3	1677.4	1453.4	1285.4
135°	2685.3	2834.1	2685.3	2536.5	2499.3	2257.9	1936.0	1775.0	1675.7	1477.2	1328.3
137.5°	2537.1	2658.9	2537.1	2415.4	2384.9	2180.8	1908.8	1772.7	1686.1	1512.9	1383.0
140°	2435.5	2549.4	2435.5	2321.7	2293.2	2116.9	1881.8	1764.3	1687.8	1534.8	1420.0
142.5°	2351.3	2449.3	2351.3	2253.3	2228.9	2074.0	1867.5	1764.3	1693.9	1553.0	1447.4
145°	2225.1	2299.2	2225.1	2150.9	2132.4	2005.7	1836.8	1752.3	1693.9	1576.9	1489.1
147.5°	2128.1	2189.5	2128.1	2066.7	2051.3	1951.6	1818.8	1752.3	1705.5	1611.8	1541.6
150°	2067.2	2116.9	2067.2	2017.3	2004.9	1920.7	1808.5	1752.3	1711.6	1630.0	1568.9
152.5°	2015.0	2052.6	2015.0	1977.3	1968.0	1896.1	1800.3	1752.3	1715.6	1642.0	1586.8
155°	1955.1	1979.9	1955.1	1930.2	1923.9	1866.7	1790.4	1752.3	1724.3	1668.2	1626.1
157.5°	1907.6	1925.1	1907.6	1890.2	1885.8	1841.3	1782.0	1752.3	1733.0	1694.4	1665.4
160°	1879.3	1889.4	1879.3	1869.2	1866.7	1828.6	1777.7	1752.3	1737.0	1706.3	1683.3
162.5°	1860.7	1870.3	1860.7	1851.3	1848.9	1816.7	1773.8	1752.3	1741.3	1719.0	1702.4
165°	1834.1	1844.1	1834.1	1824.0	1821.5	1798.5	1767.7	1752.3	1747.3	1737.2	1729.7
167.5°	1814.9	1819.1	1814.9	1810.6	1809.5	1794.4	1774.3	1764.3	1760.1	1751.6	1745.3
170°	1809.5	1809.5	1809.5	1809.5	1809.5	1794.4	1774.3	1764.3	1764.0	1763.5	1763.1
172.5°	1795.4	1791.7	1795.4	1799.0	1800.0	1788.0	1772.2	1764.3	1764.3	1764.3	1764.3
175°	1786.9	1786.9	1786.9	1786.9	1786.9	1779.4	1769.3	1764.3	1766.7	1771.4	1775.0
177.5°	1779.2	1775.0	1779.2	1783.5	1784.5	1778.6	1770.7	1766.7	1768.5	1772.2	1775.0
180°	1775.0	1775.0	1775.0	1775.0	1775.0	1775.0	1775.0	1775.0	1775.0	1775.0	1775.0



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2018.8	2018.8	2018.8	2018.8	2018.8	2018.8	2018.8	2018.8	2018.8	2018.8	2018.8
2.5°	2047.4	2036.0	2036.0	2016.9	2009.2	2003.5	1993.9	1965.3	1957.7	1950.0	1961.5
5°	2064.6	2043.6	2028.3	1993.9	1965.3	1953.8	1917.5	1848.8	1802.9	1768.6	1749.5
7.5°	2068.4	2041.7	2013.0	1959.6	1890.8	1860.2	1749.5	1623.4	1589.0	1558.5	1539.4
10°	2064.6	2034.1	1993.9	1913.7	1751.4	1697.9	1587.1	1505.0	1484.0	1478.2	1484.0
12.5°	2051.2	2022.6	1967.2	1833.5	1606.2	1569.9	1505.0	1457.2	1453.4	1463.0	1514.5
15°	2028.3	2001.6	1936.6	1726.5	1526.0	1499.3	1453.4	1436.2	1457.2	1524.1	1678.8
17.5°	2005.4	1974.8	1894.6	1621.5	1464.9	1445.8	1413.3	1447.7	1566.1	1655.9	1707.4
20°	1974.8	1938.6	1846.9	1545.1	1420.9	1403.8	1388.5	1543.2	1633.0	1665.4	1694.1
22.5°	1938.6	1900.4	1781.9	1491.6	1375.1	1361.7	1371.3	1596.7	1633.0	1655.9	1680.7
25°	1890.8	1858.3	1705.5	1449.6	1338.8	1323.5	1359.8	1590.9	1611.9	1617.7	1667.3
27.5°	1846.9	1804.9	1625.3	1411.4	1294.9	1289.2	1369.4	1566.1	1581.4	1587.1	1640.6
30°	1793.4	1730.4	1535.5	1371.3	1249.0	1247.1	1371.3	1535.5	1531.7	1547.0	1600.5
32.5°	1738.0	1619.6	1434.3	1321.6	1205.1	1203.2	1357.9	1489.7	1485.9	1506.9	1547.0
35°	1686.4	1533.6	1296.8	1264.3	1149.7	1151.6	1325.4	1436.2	1438.1	1457.2	1482.1
37.5°	1633.0	1459.1	1145.9	1201.3	1096.3	1096.3	1281.5	1386.6	1382.7	1388.5	1422.9
40°	1569.9	1342.6	1012.3	1119.3	1046.7	1041.0	1228.0	1333.1	1319.7	1317.8	1365.6
42.5°	1503.1	1214.7	913.0	1010.4	989.4	981.7	1163.1	1268.1	1243.3	1249.0	1310.2
45°	1430.5	1180.3	836.6	853.8	930.2	924.4	1092.5	1193.7	1176.5	1191.7	1254.8
47.5°	1357.9	1111.6	811.8	708.6	867.1	865.2	1014.2	1121.2	1111.6	1126.9	1193.7
50°	1258.6	1035.2	809.8	607.4	796.5	804.1	920.6	1050.5	1050.5	1063.9	1134.5
52.5°	1130.7	941.6	735.4	550.1	714.3	737.3	838.5	989.4	993.2	1006.6	1069.6
55°	1014.2	844.2	681.9	506.2	616.9	666.6	758.3	926.4	934.0	947.4	1004.7
57.5°	907.2	702.9	670.4	454.6	527.2	574.9	687.6	865.2	869.0	880.5	935.9
60°	792.6	508.1	615.0	399.2	448.8	485.1	622.7	792.6	806.0	813.7	861.4
62.5°	662.8	368.6	557.7	361.0	410.6	418.3	569.2	723.9	741.1	746.8	775.5
65°	471.8	309.4	473.7	328.5	370.5	372.4	511.9	653.2	668.5	678.0	699.1
67.5°	319.0	252.1	361.0	298.0	340.0	341.9	456.5	571.1	592.1	599.7	613.1
70°	221.6	168.1	267.4	265.5	305.6	309.4	397.3	496.6	515.7	521.4	529.1
72.5°	162.4	135.6	221.6	238.8	269.3	273.1	336.2	412.6	431.7	437.4	441.2
75°	124.2	143.2	179.5	208.2	229.2	231.1	275.0	336.2	349.5	353.3	355.3
77.5°	99.3	133.7	131.8	168.1	187.2	183.4	215.8	259.8	271.2	271.2	271.2
80°	74.5	105.0	99.3	120.3	137.5	133.7	154.7	185.3	189.1	192.9	191.0
82.5°	55.4	66.8	66.8	76.4	91.7	87.9	103.1	120.3	120.3	120.3	124.2
85°	34.4	38.2	30.6	40.1	51.6	49.7	57.3	64.9	66.8	66.8	63.0
87.5°	21.0	17.2	9.5	15.3	22.9	22.9	26.7	28.6	26.7	26.7	26.7
90°	30.9	21.5	11.9	21.5	30.9	33.3	52.4	77.8	90.5	80.5	60.4
92.5°	209.7	128.6	47.7	128.6	209.7	230.0	323.3	447.7	509.9	446.8	320.9
95°	410.8	262.6	114.4	262.6	410.8	447.9	795.3	1258.6	1490.3	1329.8	1009.1
97.5°	459.4	328.5	197.8	328.5	459.4	492.0	1071.4	1843.9	2230.1	2128.7	1925.9
100°	499.3	380.7	262.1	380.7	499.3	529.0	1171.9	2029.0	2457.6	2465.0	2479.8
102.5°	538.1	427.6	316.9	427.6	538.1	565.8	1217.9	2087.2	2522.0	2651.2	2909.5
105°	597.3	503.5	409.8	503.5	597.3	620.7	1252.0	2093.8	2514.8	2804.5	3383.7
107.5°	679.8	592.5	505.1	592.5	679.8	701.6	1258.4	2000.7	2371.8	2775.8	3583.8
110°	727.2	648.3	569.5	648.3	727.2	746.9	1248.9	1918.1	2252.7	2704.4	3607.6



TEST NUMBER: P935995

CATALOG NUMBER: SQ4-FA-150U-075D-B2750-1D-UNV-STD-W-8-4000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	782.9	707.8	632.6	707.8	782.9	801.7	1249.2	1845.9	2144.3	2606.5	3530.9
115°	866.6	797.2	727.9	797.2	866.6	883.9	1260.8	1763.2	2014.5	2459.7	3350.2
117.5°	948.0	885.0	822.0	885.0	948.0	963.8	1284.2	1711.5	1925.1	2327.0	3130.7
120°	995.4	936.1	876.8	936.1	995.4	1010.2	1303.3	1694.0	1889.4	2256.6	2991.0
122.5°	1050.0	990.2	930.4	990.2	1050.0	1065.0	1330.7	1684.9	1862.0	2192.6	2853.9
125°	1121.6	1067.1	1012.6	1067.1	1121.6	1135.3	1367.6	1677.3	1832.2	2113.0	2674.8
127.5°	1189.5	1134.3	1079.3	1134.3	1189.5	1203.2	1404.5	1673.0	1807.1	2048.3	2530.7
130°	1233.7	1174.4	1115.1	1174.4	1233.7	1248.5	1431.5	1675.5	1797.6	2012.3	2441.7
132.5°	1270.6	1211.3	1152.0	1211.3	1270.6	1285.4	1453.4	1677.4	1789.3	1981.4	2365.8
135°	1314.8	1260.8	1206.7	1260.8	1314.8	1328.3	1477.2	1675.7	1775.0	1936.0	2257.9
137.5°	1369.7	1316.3	1262.8	1316.3	1369.7	1383.0	1512.9	1686.1	1772.7	1908.8	2180.8
140°	1407.7	1358.5	1309.2	1358.5	1407.7	1420.0	1534.8	1687.8	1764.3	1881.8	2116.9
142.5°	1436.0	1390.5	1344.9	1390.5	1436.0	1447.4	1553.0	1693.9	1764.3	1867.5	2074.0
145°	1479.2	1439.5	1399.7	1439.5	1479.2	1489.1	1576.9	1693.9	1752.3	1836.8	2005.7
147.5°	1531.9	1493.2	1454.6	1493.2	1531.9	1541.6	1611.8	1705.5	1752.3	1818.8	1951.6
150°	1560.2	1525.2	1490.3	1525.2	1560.2	1568.9	1630.0	1711.6	1752.3	1808.5	1920.7
152.5°	1580.2	1553.7	1527.2	1553.7	1580.2	1586.8	1642.0	1715.6	1752.3	1800.3	1896.1
155°	1621.2	1601.6	1582.1	1601.6	1621.2	1626.1	1668.2	1724.3	1752.3	1790.4	1866.7
157.5°	1660.6	1641.6	1622.5	1641.6	1660.6	1665.4	1694.4	1733.0	1752.3	1782.0	1841.3
160°	1679.6	1664.8	1650.0	1664.8	1679.6	1683.3	1706.3	1737.0	1752.3	1777.7	1828.6
162.5°	1699.6	1688.4	1677.4	1688.4	1699.6	1702.4	1719.0	1741.3	1752.3	1773.8	1816.7
165°	1727.2	1717.1	1707.1	1717.1	1727.2	1729.7	1737.2	1747.3	1752.3	1767.7	1798.5
167.5°	1744.0	1739.2	1734.5	1739.2	1744.0	1745.3	1751.6	1760.1	1764.3	1774.3	1794.4
170°	1761.9	1757.1	1752.3	1757.1	1761.9	1763.1	1763.5	1764.0	1764.3	1774.3	1794.4
172.5°	1764.0	1762.9	1761.9	1762.9	1764.0	1764.3	1764.3	1764.3	1764.3	1772.2	1788.0
175°	1775.0	1775.0	1775.0	1775.0	1775.0	1775.0	1771.4	1766.7	1764.3	1769.3	1779.4
177.5°	1775.0	1775.0	1775.0	1775.0	1775.0	1775.0	1772.2	1768.5	1766.7	1770.7	1778.6
180°	1775.0	1775.0	1775.0	1775.0	1775.0	1775.0	1775.0	1775.0	1775.0	1775.0	1775.0



TEST NUMBER: P935995

CATALOG NUMBER: SQ4-FA-150U-075D-B2750-1D-UNV-STD-W-8-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2018.8	2018.8	2018.8	2018.8	2018.8	2018.8	2018.8	2018.8	2018.8	2018.8	2018.8
2.5°	1948.1	1942.4	1950.0	1929.0	1950.0	1942.4	1948.1	1961.5	1950.0	1957.7	1965.3
5°	1709.4	1699.8	1669.2	1644.4	1669.2	1699.8	1709.4	1749.5	1768.6	1802.9	1848.8
7.5°	1527.9	1520.3	1512.6	1497.3	1512.6	1520.3	1527.9	1539.4	1558.5	1589.0	1623.4
10°	1487.8	1489.7	1501.2	1499.3	1501.2	1489.7	1487.8	1484.0	1478.2	1484.0	1505.0
12.5°	1590.9	1608.1	1671.2	1667.3	1671.2	1608.1	1590.9	1514.5	1463.0	1453.4	1457.2
15°	1709.4	1715.1	1728.5	1730.4	1728.5	1715.1	1709.4	1678.8	1524.1	1457.2	1436.2
17.5°	1720.8	1722.7	1732.3	1732.3	1732.3	1722.7	1720.8	1707.4	1655.9	1566.1	1447.7
20°	1711.3	1715.1	1734.2	1738.0	1734.2	1715.1	1711.3	1694.1	1665.4	1633.0	1543.2
22.5°	1707.4	1715.1	1730.4	1728.5	1730.4	1715.1	1707.4	1680.7	1655.9	1633.0	1596.7
25°	1688.3	1688.3	1690.3	1692.2	1690.3	1688.3	1688.3	1667.3	1617.7	1611.9	1590.9
27.5°	1648.2	1652.1	1663.5	1661.6	1663.5	1652.1	1648.2	1640.6	1587.1	1581.4	1566.1
30°	1611.9	1608.1	1598.6	1590.9	1598.6	1608.1	1611.9	1600.5	1547.0	1531.7	1535.5
32.5°	1550.8	1541.3	1531.7	1526.0	1531.7	1541.3	1550.8	1547.0	1506.9	1485.9	1489.7
35°	1478.2	1480.2	1478.2	1472.5	1478.2	1480.2	1478.2	1482.1	1457.2	1438.1	1436.2
37.5°	1426.7	1430.5	1428.6	1420.9	1428.6	1430.5	1426.7	1422.9	1388.5	1382.7	1386.6
40°	1373.2	1375.1	1373.2	1367.5	1373.2	1375.1	1373.2	1365.6	1317.8	1319.7	1333.1
42.5°	1321.6	1319.7	1314.0	1310.2	1314.0	1319.7	1321.6	1310.2	1249.0	1243.3	1268.1
45°	1262.4	1264.3	1252.9	1247.1	1252.9	1264.3	1262.4	1254.8	1191.7	1176.5	1193.7
47.5°	1203.2	1203.2	1193.7	1187.9	1193.7	1203.2	1203.2	1193.7	1126.9	1111.6	1121.2
50°	1140.2	1138.4	1125.0	1123.1	1125.0	1138.4	1140.2	1134.5	1063.9	1050.5	1050.5
52.5°	1067.7	1067.7	1069.6	1073.4	1069.6	1067.7	1067.7	1069.6	1006.6	993.2	989.4
55°	1004.7	1006.6	1019.9	1023.8	1019.9	1006.6	1004.7	1004.7	947.4	934.0	926.4
57.5°	939.7	939.7	949.3	949.3	949.3	939.7	939.7	935.9	880.5	869.0	865.2
60°	865.2	869.0	876.7	874.8	876.7	869.0	865.2	861.4	813.7	806.0	792.6
62.5°	786.9	790.7	792.6	788.8	792.6	790.7	786.9	775.5	746.8	741.1	723.9
65°	704.8	708.6	710.5	706.7	710.5	708.6	704.8	699.1	678.0	668.5	653.2
67.5°	620.8	618.8	616.9	624.6	616.9	618.8	620.8	613.1	599.7	592.1	571.1
70°	534.8	534.8	532.9	536.7	532.9	534.8	534.8	529.1	521.4	515.7	496.6
72.5°	443.1	441.2	448.8	443.1	448.8	441.2	443.1	441.2	437.4	431.7	412.6
75°	353.3	357.2	353.3	359.1	353.3	357.2	353.3	355.3	353.3	349.5	336.2
77.5°	269.3	273.1	269.3	269.3	269.3	273.1	269.3	271.2	271.2	271.2	259.8
80°	191.0	189.1	189.1	187.2	189.1	189.1	191.0	191.0	192.9	189.1	185.3
82.5°	122.2	120.3	120.3	124.2	120.3	120.3	122.2	124.2	120.3	120.3	120.3
85°	66.8	68.8	64.9	64.9	64.9	68.8	66.8	63.0	66.8	66.8	64.9
87.5°	24.8	22.9	22.9	22.9	22.9	22.9	24.8	26.7	26.7	26.7	28.6
90°	45.3	45.3	45.3	45.3	45.3	45.3	45.3	60.4	80.5	90.5	77.8
92.5°	226.3	217.4	181.4	145.4	181.4	217.4	226.3	320.9	446.8	509.9	447.7
95°	768.4	741.1	632.0	523.0	632.0	741.1	768.4	1009.1	1329.8	1490.3	1258.6
97.5°	1773.8	1722.0	1514.3	1306.8	1514.3	1722.0	1773.8	1925.9	2128.7	2230.1	1843.9
100°	2490.9	2429.1	2181.9	1934.6	2181.9	2429.1	2490.9	2479.8	2465.0	2457.6	2029.0
102.5°	3103.3	3050.4	2838.5	2626.8	2838.5	3050.4	3103.3	2909.5	2651.2	2522.0	2087.2
105°	3818.1	3789.6	3675.8	3562.0	3675.8	3789.6	3818.1	3383.7	2804.5	2514.8	2093.8
107.5°	4189.8	4196.7	4224.2	4251.7	4224.2	4196.7	4189.8	3583.8	2775.8	2371.8	2000.7
110°	4285.1	4314.7	4433.3	4551.9	4433.3	4314.7	4285.1	3607.6	2704.4	2252.7	1918.1



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	4224.3	4269.8	4451.9	4634.0	4451.9	4269.8	4224.3	3530.9	2606.5	2144.3	1845.9
115°	4018.2	4081.3	4333.9	4586.4	4333.9	4081.3	4018.2	3350.2	2459.7	2014.5	1763.2
117.5°	3733.5	3803.5	4083.6	4363.7	4083.6	3803.5	3733.5	3130.7	2327.0	1925.1	1711.5
120°	3541.7	3609.7	3881.9	4154.0	3881.9	3609.7	3541.7	2991.0	2256.6	1889.4	1694.0
122.5°	3349.9	3417.0	3685.4	3953.9	3685.4	3417.0	3349.9	2853.9	2192.6	1862.0	1684.9
125°	3096.1	3157.9	3405.2	3652.5	3405.2	3157.9	3096.1	2674.8	2113.0	1832.2	1677.3
127.5°	2892.4	2944.6	3153.2	3361.8	3153.2	2944.6	2892.4	2530.7	2048.3	1807.1	1673.0
130°	2763.8	2812.0	3004.7	3197.4	3004.7	2812.0	2763.8	2441.7	2012.3	1797.6	1675.5
132.5°	2654.1	2697.3	2869.9	3042.5	2869.9	2697.3	2654.1	2365.8	1981.4	1789.3	1677.4
135°	2499.3	2536.5	2685.3	2834.1	2685.3	2536.5	2499.3	2257.9	1936.0	1775.0	1675.7
137.5°	2384.9	2415.4	2537.1	2658.9	2537.1	2415.4	2384.9	2180.8	1908.8	1772.7	1686.1
140°	2293.2	2321.7	2435.5	2549.4	2435.5	2321.7	2293.2	2116.9	1881.8	1764.3	1687.8
142.5°	2228.9	2253.3	2351.3	2449.3	2351.3	2253.3	2228.9	2074.0	1867.5	1764.3	1693.9
145°	2132.4	2150.9	2225.1	2299.2	2225.1	2150.9	2132.4	2005.7	1836.8	1752.3	1693.9
147.5°	2051.3	2066.7	2128.1	2189.5	2128.1	2066.7	2051.3	1951.6	1818.8	1752.3	1705.5
150°	2004.9	2017.3	2067.2	2116.9	2067.2	2017.3	2004.9	1920.7	1808.5	1752.3	1711.6
152.5°	1968.0	1977.3	2015.0	2052.6	2015.0	1977.3	1968.0	1896.1	1800.3	1752.3	1715.6
155°	1923.9	1930.2	1955.1	1979.9	1955.1	1930.2	1923.9	1866.7	1790.4	1752.3	1724.3
157.5°	1885.8	1890.2	1907.6	1925.1	1907.6	1890.2	1885.8	1841.3	1782.0	1752.3	1733.0
160°	1866.7	1869.2	1879.3	1889.4	1879.3	1869.2	1866.7	1828.6	1777.7	1752.3	1737.0
162.5°	1848.9	1851.3	1860.7	1870.3	1860.7	1851.3	1848.9	1816.7	1773.8	1752.3	1741.3
165°	1821.5	1824.0	1834.1	1844.1	1834.1	1824.0	1821.5	1798.5	1767.7	1752.3	1747.3
167.5°	1809.5	1810.6	1814.9	1819.1	1814.9	1810.6	1809.5	1794.4	1774.3	1764.3	1760.1
170°	1809.5	1809.5	1809.5	1809.5	1809.5	1809.5	1809.5	1794.4	1774.3	1764.3	1764.0
172.5°	1800.0	1799.0	1795.4	1791.7	1795.4	1799.0	1800.0	1788.0	1772.2	1764.3	1764.3
175°	1786.9	1786.9	1786.9	1786.9	1786.9	1786.9	1786.9	1779.4	1769.3	1764.3	1766.7
177.5°	1784.5	1783.5	1779.2	1775.0	1779.2	1783.5	1784.5	1778.6	1770.7	1766.7	1768.5
180°	1775.0	1775.0	1775.0	1775.0	1775.0	1775.0	1775.0	1775.0	1775.0	1775.0	1775.0



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	2018.8	2018.8	2018.8	2018.8	2018.8
2.5°	1993.9	2003.5	2009.2	2016.9	2036.0
5°	1917.5	1953.8	1965.3	1993.9	2028.3
7.5°	1749.5	1860.2	1890.8	1959.6	2013.0
10°	1587.1	1697.9	1751.4	1913.7	1993.9
12.5°	1505.0	1569.9	1606.2	1833.5	1967.2
15°	1453.4	1499.3	1526.0	1726.5	1936.6
17.5°	1413.3	1445.8	1464.9	1621.5	1894.6
20°	1388.5	1403.8	1420.9	1545.1	1846.9
22.5°	1371.3	1361.7	1375.1	1491.6	1781.9
25°	1359.8	1323.5	1338.8	1449.6	1705.5
27.5°	1369.4	1289.2	1294.9	1411.4	1625.3
30°	1371.3	1247.1	1249.0	1371.3	1535.5
32.5°	1357.9	1203.2	1205.1	1321.6	1434.3
35°	1325.4	1151.6	1149.7	1264.3	1296.8
37.5°	1281.5	1096.3	1096.3	1201.3	1145.9
40°	1228.0	1041.0	1046.7	1119.3	1012.3
42.5°	1163.1	981.7	989.4	1010.4	913.0
45°	1092.5	924.4	930.2	853.8	836.6
47.5°	1014.2	865.2	867.1	708.6	811.8
50°	920.6	804.1	796.5	607.4	809.8
52.5°	838.5	737.3	714.3	550.1	735.4
55°	758.3	666.6	616.9	506.2	681.9
57.5°	687.6	574.9	527.2	454.6	670.4
60°	622.7	485.1	448.8	399.2	615.0
62.5°	569.2	418.3	410.6	361.0	557.7
65°	511.9	372.4	370.5	328.5	473.7
67.5°	456.5	341.9	340.0	298.0	361.0
70°	397.3	309.4	305.6	265.5	267.4
72.5°	336.2	273.1	269.3	238.8	221.6
75°	275.0	231.1	229.2	208.2	179.5
77.5°	215.8	183.4	187.2	168.1	131.8
80°	154.7	133.7	137.5	120.3	99.3
82.5°	103.1	87.9	91.7	76.4	66.8
85°	57.3	49.7	51.6	40.1	30.6
87.5°	26.7	22.9	22.9	15.3	9.5
90°	52.4	33.3	30.9	21.5	11.9
92.5°	323.3	230.0	209.7	128.6	47.7
95°	795.3	447.9	410.8	262.6	114.4
97.5°	1071.4	492.0	459.4	328.5	197.8
100°	1171.9	529.0	499.3	380.7	262.1
102.5°	1217.9	565.8	538.1	427.6	316.9
105°	1252.0	620.7	597.3	503.5	409.8
107.5°	1258.4	701.6	679.8	592.5	505.1
110°	1248.9	746.9	727.2	648.3	569.5



TEST NUMBER: P935995

CATALOG NUMBER: SQ4-FA-150U-075D-B2750-1D-UNV-STD-W-8-4000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1249.2	801.7	782.9	707.8	632.6
115°	1260.8	883.9	866.6	797.2	727.9
117.5°	1284.2	963.8	948.0	885.0	822.0
120°	1303.3	1010.2	995.4	936.1	876.8
122.5°	1330.7	1065.0	1050.0	990.2	930.4
125°	1367.6	1135.3	1121.6	1067.1	1012.6
127.5°	1404.5	1203.2	1189.5	1134.3	1079.3
130°	1431.5	1248.5	1233.7	1174.4	1115.1
132.5°	1453.4	1285.4	1270.6	1211.3	1152.0
135°	1477.2	1328.3	1314.8	1260.8	1206.7
137.5°	1512.9	1383.0	1369.7	1316.3	1262.8
140°	1534.8	1420.0	1407.7	1358.5	1309.2
142.5°	1553.0	1447.4	1436.0	1390.5	1344.9
145°	1576.9	1489.1	1479.2	1439.5	1399.7
147.5°	1611.8	1541.6	1531.9	1493.2	1454.6
150°	1630.0	1568.9	1560.2	1525.2	1490.3
152.5°	1642.0	1586.8	1580.2	1553.7	1527.2
155°	1668.2	1626.1	1621.2	1601.6	1582.1
157.5°	1694.4	1665.4	1660.6	1641.6	1622.5
160°	1706.3	1683.3	1679.6	1664.8	1650.0
162.5°	1719.0	1702.4	1699.6	1688.4	1677.4
165°	1737.2	1729.7	1727.2	1717.1	1707.1
167.5°	1751.6	1745.3	1744.0	1739.2	1734.5
170°	1763.5	1763.1	1761.9	1757.1	1752.3
172.5°	1764.3	1764.3	1764.0	1762.9	1761.9
175°	1771.4	1775.0	1775.0	1775.0	1775.0
177.5°	1772.2	1775.0	1775.0	1775.0	1775.0
180°	1775.0	1775.0	1775.0	1775.0	1775.0



TEST NUMBER: P935995
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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	10.54	11.26	11.64	12.35	13.87	13.38	14.09	14.48	15.19	16.71
	3H	11.01	11.65	12.12	12.75	14.29	14.71	15.35	15.83	16.46	17.99
	4H	11.19	11.80	12.31	12.91	14.44	15.15	15.76	16.28	16.87	18.41
	6H	11.30	11.86	12.43	12.97	14.52	15.43	15.99	16.56	17.10	18.65
	8H	11.30	11.83	12.43	12.96	14.50	15.50	16.04	16.64	17.16	18.71
	12H	11.26	11.77	12.40	12.89	14.46	15.54	16.04	16.68	17.16	18.73
4H	2H	11.56	12.16	12.69	13.27	14.81	13.77	14.38	14.90	15.48	17.02
	3H	12.57	13.08	13.70	14.21	15.76	15.26	15.77	16.40	16.90	18.45
	4H	12.84	13.30	13.98	14.43	16.00	15.79	16.25	16.92	17.38	18.95
	6H	12.96	13.35	14.10	14.50	16.06	16.15	16.54	17.29	17.69	19.25
	8H	12.96	13.33	14.10	14.47	16.05	16.25	16.62	17.39	17.76	19.34
	12H	12.92	13.26	14.08	14.41	15.99	16.30	16.64	17.46	17.79	19.37
8H	4H	13.28	13.65	14.43	14.79	16.37	15.90	16.27	17.04	17.41	18.99
	6H	13.54	13.84	14.70	15.03	16.60	16.33	16.64	17.50	17.82	19.39
	8H	13.58	13.85	14.75	15.01	16.60	16.48	16.75	17.65	17.91	19.51
	12H	13.56	13.79	14.73	14.95	16.58	16.58	16.81	17.75	17.97	19.60
12H	4H	13.28	13.62	14.44	14.77	16.35	15.86	16.19	17.02	17.34	18.93
	6H	13.60	13.87	14.77	15.03	16.62	16.33	16.60	17.50	17.76	19.35
	8H	13.66	13.89	14.83	15.05	16.68	16.48	16.72	17.66	17.88	19.50