

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: P936090

Luminaire Tested: SQ4-FA-150U-100D-B2750-1D-UNV-STD-W-6-4000K

Issue Date: 12/17/2024

**Test Information**

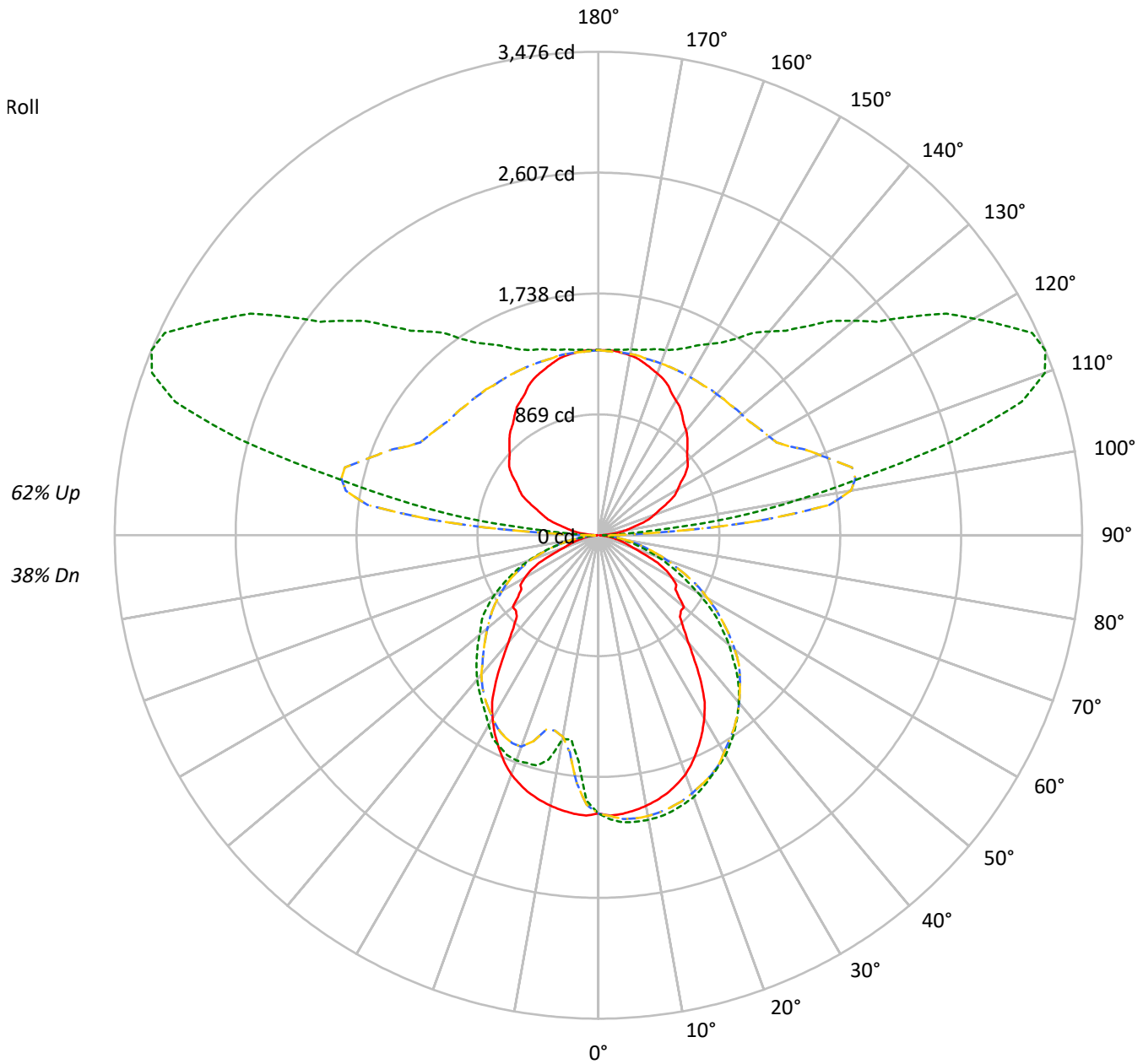
Test Method: LM-79-2019  
Report Number: P936090  
REPORT IS A COMBINATION OF REPORTS P933779 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-150U-100D-B2750-1D-UNV-STD-W-6-4000K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 13821.7 lumens  
Efficiency: N/A  
Efficacy: 127.3 lumens/watt  
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36  
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 6' x H: 0.1')  
CIE Type: Semi-Indirect  
  
Input Watts (W): 108.6  
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	104	104	104	104	94	94	94	94	76	76	76	60	60	60	45	45	45	38
1	95	91	87	84	86	83	79	76	67	65	63	53	51	50	40	39	38	32
2	87	79	73	68	78	72	67	63	59	55	52	46	44	42	35	33	32	27
3	79	70	62	57	71	63	57	52	52	47	44	41	38	35	31	29	27	23
4	72	62	54	48	65	56	49	44	46	41	37	36	33	30	28	25	23	19
5	66	55	47	41	60	50	43	38	41	36	32	33	29	26	25	22	20	17
6	61	49	41	35	55	45	38	33	37	32	28	29	26	23	22	20	18	15
7	56	44	36	31	51	40	34	29	33	28	24	27	23	20	20	18	16	13
8	52	40	32	27	47	37	30	25	30	25	21	24	21	18	19	16	14	12
9	48	36	29	24	44	33	27	22	28	23	19	22	19	16	17	15	13	10
10	45	33	26	21	41	31	24	20	25	21	17	21	17	14	16	13	11	9

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	12374	12374	12374	12374
5°	12462	12492	12462	9822
10°	12375	12305	12375	8797
15°	12235	12038	12235	10052
20°	11975	11723	11975	10073
25°	11446	11262	11446	9860
30°	10765	10879	10765	9391
35°	9592	10395	9592	8876
40°	7988	9826	7988	8487
45°	7133	9160	7133	8039
50°	7572	8364	7572	7590
55°	7118	7508	7118	7331
60°	7328	6376	7328	6714
65°	6634	5271	6634	5892
70°	4581	4201	4581	4938
75°	4003	3105	4003	3719
80°	3203	2054	3203	2236
85°	1806	1087	1806	925

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 10940 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	180.6	1.3
10°-20°	512.7	3.7
20°-30°	792.5	5.7
30°-40°	946.1	6.8
40°-50°	951.6	6.9
50°-60°	828.0	6.0
60°-70°	587.1	4.2
70°-80°	310.6	2.2
80°-90°	82.4	0.6
90°-100°	648.9	4.7
100°-110°	1706.1	12.3
110°-120°	1769.0	12.8
120°-130°	1418.9	10.3
130°-140°	1113.4	8.1
140°-150°	854.6	6.2
150°-160°	615.4	4.5
160°-170°	376.6	2.7
170°-180°	127.2	0.9
0°-30°	1485.8	10.7
0°-40°	2431.9	17.6
0°-60°	4211.6	30.5
0°-90°	5191.7	37.6
90°-120°	4124.0	29.8
90°-150°	7510.9	54.3
90°-180°	8630.0	62.4
0°-180°	13821.7	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	2000	2000	2000	2000	2000	
5°	2010	2072	2010	1629	2010	191
15°	1919	2053	1919	1715	1919	540
25°	1690	1915	1690	1677	1690	776
35°	1285	1709	1285	1459	1285	795
45°	829	1408	829	1236	829	664
55°	676	1039	676	1014	676	621
65°	469	626	469	700	469	449
75°	178	297	178	356	178	187
85°	30	76	30	64	30	41
90°	9	34	9	34	9	9
95°	86	392	86	392	86	95
105°	307	2671	307	2671	307	326
115°	546	3440	546	3440	546	539
125°	759	2739	759	2739	759	674
135°	905	2126	905	2126	905	700
145°	1050	1724	1050	1724	1050	658
155°	1186	1485	1186	1485	1186	545
165°	1280	1383	1280	1383	1280	361
175°	1331	1340	1331	1340	1331	126
180°	1331	1331	1331	1331	1331	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2000.3	2000.3	2000.3	2000.3	2000.3	2000.3	2000.3	2000.3	2000.3	2000.3	2000.3
2.5°	2017.4	2017.4	2028.8	2032.5	2032.5	2026.9	2021.2	2026.9	2043.9	2049.6	2047.7
5°	2009.8	2025.0	2045.8	2049.6	2053.3	2051.4	2047.7	2051.4	2070.3	2074.2	2076.1
7.5°	1994.7	2023.1	2049.6	2055.3	2060.9	2055.3	2053.3	2057.2	2076.1	2079.9	2079.9
10°	1975.8	2015.5	2045.8	2049.6	2055.3	2049.6	2049.6	2057.2	2076.1	2079.9	2081.7
12.5°	1949.3	2004.2	2032.5	2036.3	2043.9	2042.0	2040.1	2047.7	2066.6	2070.3	2070.3
15°	1919.0	1983.3	2009.8	2013.6	2026.9	2023.1	2023.1	2030.6	2051.4	2057.2	2055.3
17.5°	1877.3	1956.8	1987.2	1992.8	2002.3	2000.3	2002.3	2009.8	2028.8	2032.5	2034.4
20°	1830.1	1920.9	1956.8	1962.5	1972.0	1972.0	1972.0	1981.4	2000.3	2008.0	2008.0
22.5°	1765.7	1883.1	1920.9	1924.7	1936.1	1936.1	1939.8	1953.1	1970.1	1972.0	1972.0
25°	1690.0	1841.4	1873.6	1884.9	1896.2	1902.0	1907.6	1915.3	1920.9	1919.0	1920.9
27.5°	1610.5	1788.4	1830.1	1837.6	1852.8	1858.4	1866.0	1867.9	1869.8	1875.4	1871.7
30°	1521.6	1714.6	1777.1	1784.6	1809.2	1813.0	1805.4	1809.2	1818.7	1822.5	1826.2
32.5°	1421.2	1604.9	1722.2	1739.2	1761.9	1750.5	1748.7	1754.3	1769.5	1769.5	1773.2
35°	1285.0	1519.7	1671.1	1686.2	1703.2	1690.0	1697.6	1699.4	1708.9	1714.6	1712.7
37.5°	1135.5	1445.9	1618.1	1629.4	1642.7	1625.7	1637.0	1642.7	1650.2	1646.5	1646.5
40°	1003.0	1330.4	1555.6	1563.2	1574.6	1561.3	1572.7	1576.4	1580.2	1576.4	1574.6
42.5°	904.6	1203.6	1489.4	1498.9	1491.3	1500.8	1504.5	1512.1	1506.4	1498.9	1498.9
45°	828.9	1169.6	1417.5	1428.9	1417.5	1432.6	1438.3	1438.3	1421.2	1417.5	1415.6
47.5°	804.3	1101.4	1345.6	1345.6	1339.9	1358.8	1368.2	1355.0	1338.0	1332.3	1332.3
50°	802.4	1025.8	1247.1	1239.6	1266.0	1288.8	1279.3	1266.0	1252.9	1232.0	1232.0
52.5°	728.6	933.0	1120.3	1148.8	1190.4	1203.6	1188.5	1175.2	1152.5	1143.0	1135.5
55°	675.7	836.5	1004.9	1061.7	1105.2	1122.2	1093.9	1080.6	1046.6	1040.9	1037.1
57.5°	664.3	696.5	898.9	970.9	1023.9	1021.9	1004.9	980.3	951.9	946.2	944.4
60°	609.4	503.4	785.4	870.6	925.4	919.8	904.6	881.9	855.4	851.7	847.8
62.5°	552.6	365.3	656.7	753.2	830.8	828.9	815.7	781.6	762.7	753.2	745.7
65°	469.4	306.6	467.5	626.4	738.1	741.8	713.5	688.8	668.0	656.7	654.8
67.5°	357.6	249.8	316.0	522.3	649.1	645.4	609.4	598.0	571.6	565.8	554.5
70°	264.9	166.6	219.6	423.9	562.1	552.6	524.2	511.0	486.4	473.1	465.6
72.5°	219.6	134.4	160.8	329.3	473.1	461.7	437.2	422.0	401.2	389.8	382.3
75°	177.9	141.9	123.0	244.1	384.2	376.7	353.9	338.7	321.7	306.6	308.5
77.5°	130.5	132.5	98.4	179.8	304.6	293.4	280.1	261.2	253.6	238.5	238.5
80°	98.4	104.1	73.8	123.0	219.6	219.6	208.2	194.9	181.6	174.1	174.1
82.5°	66.3	66.3	54.9	77.5	149.6	143.8	136.3	132.5	124.9	121.1	121.1
85°	30.3	37.8	34.1	47.3	81.4	85.2	85.2	81.4	79.5	75.7	77.5
87.5°	9.5	17.0	20.8	26.5	41.6	43.5	45.5	45.5	45.5	47.3	47.3
90°	9.0	16.1	23.2	25.0	39.3	58.4	67.9	60.4	45.3	34.0	34.0
92.5°	35.7	96.5	157.3	172.5	242.5	335.8	382.4	335.1	240.7	169.8	163.0
95°	85.8	196.9	308.2	336.0	596.6	944.0	1117.7	997.4	756.7	576.2	555.8
97.5°	148.3	246.4	344.5	369.0	803.5	1382.9	1672.6	1596.6	1444.4	1330.4	1291.4
100°	196.5	285.5	374.5	396.7	878.9	1521.8	1843.2	1848.8	1860.0	1868.3	1821.9
102.5°	237.7	320.7	403.7	424.4	913.5	1565.4	1891.5	1988.3	2182.1	2327.4	2287.7
105°	307.3	377.6	447.9	465.5	939.1	1570.4	1886.1	2103.3	2537.7	2863.6	2842.2
107.5°	378.8	444.4	509.9	526.2	943.7	1500.5	1778.9	2081.9	2687.8	3142.3	3147.5
110°	427.1	486.3	545.4	560.2	936.7	1438.5	1689.5	2028.2	2705.7	3213.8	3236.0



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	474.4	530.8	587.1	601.3	937.0	1384.5	1608.2	1954.9	2648.2	3168.2	3202.4
115°	545.9	597.9	650.0	663.0	945.5	1322.4	1510.8	1844.8	2512.7	3013.6	3061.0
117.5°	616.5	663.7	711.0	722.8	963.2	1283.6	1443.9	1745.3	2348.0	2800.1	2852.6
120°	657.6	702.1	746.6	757.7	977.4	1270.5	1417.0	1692.5	2243.2	2656.2	2707.2
122.5°	697.8	742.7	787.6	798.8	998.0	1263.7	1396.5	1644.5	2140.4	2512.4	2562.7
125°	759.4	800.3	841.3	851.5	1025.7	1258.0	1374.1	1584.8	2006.1	2322.1	2368.4
127.5°	809.5	850.7	892.1	902.4	1053.4	1254.7	1355.3	1536.2	1898.0	2169.3	2208.4
130°	836.3	880.8	925.3	936.4	1073.7	1256.8	1348.3	1509.3	1831.3	2072.8	2108.9
132.5°	864.0	908.5	953.0	964.1	1090.0	1258.0	1342.0	1486.1	1774.4	1990.6	2023.0
135°	905.1	945.5	986.1	996.3	1107.9	1256.8	1331.3	1452.0	1693.4	1874.5	1902.4
137.5°	947.1	987.2	1027.3	1037.3	1134.7	1264.5	1329.5	1431.5	1635.6	1788.7	1811.5
140°	981.9	1018.9	1055.8	1065.0	1151.1	1265.9	1323.2	1411.4	1587.7	1720.0	1741.3
142.5°	1008.7	1042.9	1077.0	1085.5	1164.8	1270.4	1323.2	1400.7	1555.5	1671.6	1690.0
145°	1049.8	1079.6	1109.4	1116.9	1182.7	1270.4	1314.3	1377.6	1504.3	1599.3	1613.2
147.5°	1090.9	1119.9	1148.9	1156.1	1208.8	1279.1	1314.3	1364.1	1463.7	1538.5	1550.1
150°	1117.7	1143.9	1170.1	1176.7	1222.5	1283.7	1314.3	1356.4	1440.5	1503.6	1513.0
152.5°	1145.4	1165.3	1185.2	1190.1	1231.5	1286.7	1314.3	1350.2	1422.1	1476.0	1483.0
155°	1186.5	1201.2	1215.9	1219.5	1251.1	1293.3	1314.3	1342.8	1400.0	1442.9	1447.6
157.5°	1216.9	1231.2	1245.5	1249.0	1270.8	1299.8	1314.3	1336.5	1381.0	1414.4	1417.6
160°	1237.5	1248.6	1259.6	1262.4	1279.7	1302.7	1314.3	1333.4	1371.5	1400.0	1401.9
162.5°	1258.0	1266.3	1274.6	1276.7	1289.2	1306.0	1314.3	1330.3	1362.5	1386.7	1388.5
165°	1280.4	1287.9	1295.4	1297.3	1302.9	1310.5	1314.3	1325.8	1348.8	1366.1	1368.0
167.5°	1300.9	1304.4	1308.1	1308.9	1313.7	1320.1	1323.2	1330.8	1345.9	1357.2	1357.9
170°	1314.3	1317.8	1321.4	1322.3	1322.6	1323.1	1323.2	1330.8	1345.9	1357.2	1357.2
172.5°	1321.4	1322.2	1323.1	1323.2	1323.2	1323.2	1323.2	1329.2	1341.1	1350.0	1349.3
175°	1331.3	1331.3	1331.3	1331.3	1328.6	1325.1	1323.2	1327.0	1334.5	1340.2	1340.2
177.5°	1331.3	1331.3	1331.3	1331.3	1329.2	1326.4	1325.0	1327.9	1333.9	1338.4	1337.7
180°	1331.3	1331.3	1331.3	1331.3	1331.3	1331.3	1331.3	1331.3	1331.3	1331.3	1331.3



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2000.3	2000.3	2000.3	2000.3	2000.3	2000.3	2000.3	2000.3	2000.3	2000.3	2000.3
2.5°	2051.4	2045.8	2051.4	2047.7	2049.6	2043.9	2026.9	2021.2	2026.9	2032.5	2032.5
5°	2076.1	2072.3	2076.1	2076.1	2074.2	2070.3	2051.4	2047.7	2051.4	2053.3	2049.6
7.5°	2083.6	2078.0	2083.6	2079.9	2079.9	2076.1	2057.2	2053.3	2055.3	2060.9	2055.3
10°	2083.6	2078.0	2083.6	2081.7	2079.9	2076.1	2057.2	2049.6	2049.6	2055.3	2049.6
12.5°	2074.2	2070.3	2074.2	2070.3	2070.3	2066.6	2047.7	2040.1	2042.0	2043.9	2036.3
15°	2059.1	2053.3	2059.1	2055.3	2057.2	2051.4	2030.6	2023.1	2023.1	2026.9	2013.6
17.5°	2036.3	2028.8	2036.3	2034.4	2032.5	2028.8	2009.8	2002.3	2000.3	2002.3	1992.8
20°	2009.8	2004.2	2009.8	2008.0	2008.0	2000.3	1981.4	1972.0	1972.0	1972.0	1962.5
22.5°	1968.2	1962.5	1968.2	1972.0	1972.0	1970.1	1953.1	1939.8	1936.1	1936.1	1924.7
25°	1920.9	1915.3	1920.9	1920.9	1919.0	1920.9	1915.3	1907.6	1902.0	1896.2	1884.9
27.5°	1875.4	1871.7	1875.4	1871.7	1875.4	1869.8	1867.9	1866.0	1858.4	1852.8	1837.6
30°	1830.1	1826.2	1830.1	1826.2	1822.5	1818.7	1809.2	1805.4	1813.0	1809.2	1784.6
32.5°	1773.2	1769.5	1773.2	1773.2	1769.5	1769.5	1754.3	1748.7	1750.5	1761.9	1739.2
35°	1714.6	1708.9	1714.6	1712.7	1714.6	1708.9	1699.4	1697.6	1690.0	1703.2	1686.2
37.5°	1646.5	1640.8	1646.5	1646.5	1646.5	1650.2	1642.7	1637.0	1625.7	1642.7	1629.4
40°	1576.4	1568.9	1576.4	1574.6	1576.4	1580.2	1576.4	1572.7	1561.3	1574.6	1563.2
42.5°	1497.0	1495.1	1497.0	1498.9	1498.9	1506.4	1512.1	1504.5	1500.8	1491.3	1498.9
45°	1411.8	1408.1	1411.8	1415.6	1417.5	1421.2	1438.3	1438.3	1432.6	1417.5	1428.9
47.5°	1321.0	1311.5	1321.0	1332.3	1332.3	1338.0	1355.0	1368.2	1358.8	1339.9	1345.6
50°	1224.4	1226.3	1224.4	1232.0	1232.0	1252.9	1266.0	1279.3	1288.8	1266.0	1239.6
52.5°	1129.9	1128.0	1129.9	1135.5	1143.0	1152.5	1175.2	1188.5	1203.6	1190.4	1148.8
55°	1035.2	1038.9	1035.2	1037.1	1040.9	1046.6	1080.6	1093.9	1122.2	1105.2	1061.7
57.5°	940.6	934.8	940.6	944.4	946.2	951.9	980.3	1004.9	1021.9	1023.9	970.9
60°	830.8	823.2	830.8	847.8	851.7	855.4	881.9	904.6	919.8	925.4	870.6
62.5°	734.3	721.0	734.3	745.7	753.2	762.7	781.6	815.7	828.9	830.8	753.2
65°	632.1	626.4	632.1	654.8	656.7	668.0	688.8	713.5	741.8	738.1	626.4
67.5°	539.4	539.4	539.4	554.5	565.8	571.6	598.0	609.4	645.4	649.1	522.3
70°	454.2	452.3	454.2	465.6	473.1	486.4	511.0	524.2	552.6	562.1	423.9
72.5°	372.8	370.9	372.8	382.3	389.8	401.2	422.0	437.2	461.7	473.1	329.3
75°	300.9	297.1	300.9	308.5	306.6	321.7	338.7	353.9	376.7	384.2	244.1
77.5°	230.9	230.9	230.9	238.5	238.5	253.6	261.2	280.1	293.4	304.6	179.8
80°	172.2	170.4	172.2	174.1	174.1	181.6	194.9	208.2	219.6	219.6	123.0
82.5°	121.1	117.4	121.1	121.1	121.1	124.9	132.5	136.3	143.8	149.6	77.5
85°	75.7	75.7	75.7	77.5	75.7	79.5	81.4	85.2	85.2	81.4	47.3
87.5°	49.2	47.3	49.2	47.3	47.3	45.5	45.5	45.5	43.5	41.6	26.5
90°	34.0	34.0	34.0	34.0	34.0	45.3	60.4	67.9	58.4	39.3	25.0
92.5°	136.0	109.0	136.0	163.0	169.8	240.7	335.1	382.4	335.8	242.5	172.5
95°	474.0	392.2	474.0	555.8	576.2	756.7	997.4	1117.7	944.0	596.6	336.0
97.5°	1135.8	980.1	1135.8	1291.4	1330.4	1444.4	1596.6	1672.6	1382.9	803.5	369.0
100°	1636.5	1451.0	1636.5	1821.9	1868.3	1860.0	1848.8	1843.2	1521.8	878.9	396.7
102.5°	2128.9	1970.1	2128.9	2287.7	2327.4	2182.1	1988.3	1891.5	1565.4	913.5	424.4
105°	2756.8	2671.4	2756.8	2842.2	2863.6	2537.7	2103.3	1886.1	1570.4	939.1	465.5
107.5°	3168.1	3188.7	3168.1	3147.5	3142.3	2687.8	2081.9	1778.9	1500.5	943.7	526.2
110°	3324.9	3413.9	3324.9	3236.0	3213.8	2705.7	2028.2	1689.5	1438.5	936.7	560.2





TEST NUMBER: P936090

CATALOG NUMBER: SQ4-FA-150U-100D-B2750-1D-UNV-STD-W-6-4000K

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3339.0	3475.5	3339.0	3202.4	3168.2	2648.2	1954.9	1608.2	1384.5	937.0	601.3
115°	3250.3	3439.8	3250.3	3061.0	3013.6	2512.7	1844.8	1510.8	1322.4	945.5	663.0
117.5°	3062.7	3272.8	3062.7	2852.6	2800.1	2348.0	1745.3	1443.9	1283.6	963.2	722.8
120°	2911.4	3115.5	2911.4	2707.2	2656.2	2243.2	1692.5	1417.0	1270.5	977.4	757.7
122.5°	2764.1	2965.4	2764.1	2562.7	2512.4	2140.4	1644.5	1396.5	1263.7	998.0	798.8
125°	2553.9	2739.3	2553.9	2368.4	2322.1	2006.1	1584.8	1374.1	1258.0	1025.7	851.5
127.5°	2364.9	2521.4	2364.9	2208.4	2169.3	1898.0	1536.2	1355.3	1254.7	1053.4	902.4
130°	2253.5	2398.0	2253.5	2108.9	2072.8	1831.3	1509.3	1348.3	1256.8	1073.7	936.4
132.5°	2152.4	2281.9	2152.4	2023.0	1990.6	1774.4	1486.1	1342.0	1258.0	1090.0	964.1
135°	2014.0	2125.5	2014.0	1902.4	1874.5	1693.4	1452.0	1331.3	1256.8	1107.9	996.3
137.5°	1902.9	1994.2	1902.9	1811.5	1788.7	1635.6	1431.5	1329.5	1264.5	1134.7	1037.3
140°	1826.6	1912.0	1826.6	1741.3	1720.0	1587.7	1411.4	1323.2	1265.9	1151.1	1065.0
142.5°	1763.5	1836.9	1763.5	1690.0	1671.6	1555.5	1400.7	1323.2	1270.4	1164.8	1085.5
145°	1668.8	1724.3	1668.8	1613.2	1599.3	1504.3	1377.6	1314.3	1270.4	1182.7	1116.9
147.5°	1596.1	1642.2	1596.1	1550.1	1538.5	1463.7	1364.1	1314.3	1279.1	1208.8	1156.1
150°	1550.3	1587.7	1550.3	1513.0	1503.6	1440.5	1356.4	1314.3	1283.7	1222.5	1176.7
152.5°	1511.2	1539.5	1511.2	1483.0	1476.0	1422.1	1350.2	1314.3	1286.7	1231.5	1190.1
155°	1466.2	1484.9	1466.2	1447.6	1442.9	1400.0	1342.8	1314.3	1293.3	1251.1	1219.5
157.5°	1430.8	1443.9	1430.8	1417.6	1414.4	1381.0	1336.5	1314.3	1299.8	1270.8	1249.0
160°	1409.5	1417.0	1409.5	1401.9	1400.0	1371.5	1333.4	1314.3	1302.7	1279.7	1262.4
162.5°	1395.5	1402.7	1395.5	1388.5	1386.7	1362.5	1330.3	1314.3	1306.0	1289.2	1276.7
165°	1375.5	1383.0	1375.5	1368.0	1366.1	1348.8	1325.8	1314.3	1310.5	1302.9	1297.3
167.5°	1361.2	1364.3	1361.2	1357.9	1357.2	1345.9	1330.8	1323.2	1320.1	1313.7	1308.9
170°	1357.2	1357.2	1357.2	1357.2	1357.2	1345.9	1330.8	1323.2	1323.1	1322.6	1322.3
172.5°	1346.6	1343.8	1346.6	1349.3	1350.0	1341.1	1329.2	1323.2	1323.2	1323.2	1323.2
175°	1340.2	1340.2	1340.2	1340.2	1340.2	1334.5	1327.0	1323.2	1325.1	1328.6	1331.3
177.5°	1334.4	1331.3	1334.4	1337.7	1338.4	1333.9	1327.9	1325.0	1326.4	1329.2	1331.3
180°	1331.3	1331.3	1331.3	1331.3	1331.3	1331.3	1331.3	1331.3	1331.3	1331.3	1331.3



TEST NUMBER: P936090

CATALOG NUMBER: SQ4-FA-150U-100D-B2750-1D-UNV-STD-W-6-4000K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2000.3	2000.3	2000.3	2000.3	2000.3	2000.3	2000.3	2000.3	2000.3	2000.3	2000.3
2.5°	2028.8	2017.4	2017.4	1998.4	1990.9	1985.3	1975.8	1947.3	1939.8	1932.3	1943.6
5°	2045.8	2025.0	2009.8	1975.8	1947.3	1936.1	1900.1	1832.0	1786.5	1752.4	1733.5
7.5°	2049.6	2023.1	1994.7	1941.7	1873.6	1843.2	1733.5	1608.6	1574.6	1544.2	1525.3
10°	2045.8	2015.5	1975.8	1896.2	1735.4	1682.4	1572.7	1491.3	1470.5	1464.8	1470.5
12.5°	2032.5	2004.2	1949.3	1816.8	1591.6	1555.6	1491.3	1444.0	1440.2	1449.7	1500.8
15°	2009.8	1983.3	1919.0	1710.8	1512.1	1485.6	1440.2	1423.1	1444.0	1510.2	1663.5
17.5°	1987.2	1956.8	1877.3	1606.7	1451.5	1432.6	1400.4	1434.5	1551.9	1640.8	1691.9
20°	1956.8	1920.9	1830.1	1531.1	1408.1	1391.0	1375.9	1529.1	1618.1	1650.2	1678.6
22.5°	1920.9	1883.1	1765.7	1478.1	1362.6	1349.3	1358.8	1582.1	1618.1	1640.8	1665.4
25°	1873.6	1841.4	1690.0	1436.4	1326.7	1311.5	1347.5	1576.4	1597.2	1603.0	1652.2
27.5°	1830.1	1788.4	1610.5	1398.6	1283.1	1277.4	1357.0	1551.9	1567.0	1572.7	1625.7
30°	1777.1	1714.6	1521.6	1358.8	1237.7	1235.8	1358.8	1521.6	1517.8	1533.0	1585.9
32.5°	1722.2	1604.9	1421.2	1309.6	1194.1	1192.3	1345.6	1476.1	1472.3	1493.1	1533.0
35°	1671.1	1519.7	1285.0	1252.9	1139.3	1141.1	1313.4	1423.1	1425.1	1444.0	1468.6
37.5°	1618.1	1445.9	1135.5	1190.4	1086.3	1086.3	1269.9	1374.0	1370.1	1375.9	1409.9
40°	1555.6	1330.4	1003.0	1109.0	1037.1	1031.4	1216.9	1321.0	1307.7	1305.9	1353.1
42.5°	1489.4	1203.6	904.6	1001.1	980.3	972.8	1152.5	1256.6	1232.0	1237.7	1298.2
45°	1417.5	1169.6	828.9	845.9	921.7	915.9	1082.5	1182.8	1165.8	1181.0	1243.4
47.5°	1345.6	1101.4	804.3	702.1	859.2	857.3	1004.9	1110.9	1101.4	1116.6	1182.8
50°	1247.1	1025.8	802.4	601.8	789.2	796.8	912.2	1040.9	1040.9	1054.1	1124.1
52.5°	1120.3	933.0	728.6	545.0	707.8	730.5	830.8	980.3	984.1	997.3	1059.8
55°	1004.9	836.5	675.7	501.5	611.3	660.5	751.3	917.9	925.4	938.7	995.5
57.5°	898.9	696.5	664.3	450.4	522.3	569.7	681.3	857.3	861.1	872.5	927.3
60°	785.4	503.4	609.4	395.6	444.7	480.7	616.9	785.4	798.7	806.2	853.5
62.5°	656.7	365.3	552.6	357.6	406.9	414.5	563.9	717.3	734.3	739.9	768.4
65°	467.5	306.6	469.4	325.5	367.1	369.0	507.2	647.2	662.4	671.8	692.7
67.5°	316.0	249.8	357.6	295.2	336.8	338.7	452.3	565.8	586.7	594.2	607.5
70°	219.6	166.6	264.9	263.1	302.8	306.6	393.7	492.0	511.0	516.7	524.2
72.5°	160.8	134.4	219.6	236.6	266.8	270.6	333.1	408.7	427.7	433.4	437.2
75°	123.0	141.9	177.9	206.3	227.1	229.0	272.6	333.1	346.3	350.1	352.0
77.5°	98.4	132.5	130.5	166.6	185.5	181.6	213.8	257.4	268.7	268.7	268.7
80°	73.8	104.1	98.4	119.2	136.3	132.5	153.3	183.6	187.4	191.1	189.3
82.5°	54.9	66.3	66.3	75.7	90.8	87.1	102.2	119.2	119.2	119.2	123.0
85°	34.1	37.8	30.3	39.7	51.1	49.2	56.8	64.4	66.3	66.3	62.5
87.5°	20.8	17.0	9.5	15.2	22.7	22.7	26.5	28.4	26.5	26.5	26.5
90°	23.2	16.1	9.0	16.1	23.2	25.0	39.3	58.4	67.9	60.4	45.3
92.5°	157.3	96.5	35.7	96.5	157.3	172.5	242.5	335.8	382.4	335.1	240.7
95°	308.2	196.9	85.8	196.9	308.2	336.0	596.6	944.0	1117.7	997.4	756.7
97.5°	344.5	246.4	148.3	246.4	344.5	369.0	803.5	1382.9	1672.6	1596.6	1444.4
100°	374.5	285.5	196.5	285.5	374.5	396.7	878.9	1521.8	1843.2	1848.8	1860.0
102.5°	403.7	320.7	237.7	320.7	403.7	424.4	913.5	1565.4	1891.5	1988.3	2182.1
105°	447.9	377.6	307.3	377.6	447.9	465.5	939.1	1570.4	1886.1	2103.3	2537.7
107.5°	509.9	444.4	378.8	444.4	509.9	526.2	943.7	1500.5	1778.9	2081.9	2687.8
110°	545.4	486.3	427.1	486.3	545.4	560.2	936.7	1438.5	1689.5	2028.2	2705.7



TEST NUMBER: P936090

CATALOG NUMBER: SQ4-FA-150U-100D-B2750-1D-UNV-STD-W-6-4000K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	587.1	530.8	474.4	530.8	587.1	601.3	937.0	1384.5	1608.2	1954.9	2648.2
115°	650.0	597.9	545.9	597.9	650.0	663.0	945.5	1322.4	1510.8	1844.8	2512.7
117.5°	711.0	663.7	616.5	663.7	711.0	722.8	963.2	1283.6	1443.9	1745.3	2348.0
120°	746.6	702.1	657.6	702.1	746.6	757.7	977.4	1270.5	1417.0	1692.5	2243.2
122.5°	787.6	742.7	697.8	742.7	787.6	798.8	998.0	1263.7	1396.5	1644.5	2140.4
125°	841.3	800.3	759.4	800.3	841.3	851.5	1025.7	1258.0	1374.1	1584.8	2006.1
127.5°	892.1	850.7	809.5	850.7	892.1	902.4	1053.4	1254.7	1355.3	1536.2	1898.0
130°	925.3	880.8	836.3	880.8	925.3	936.4	1073.7	1256.8	1348.3	1509.3	1831.3
132.5°	953.0	908.5	864.0	908.5	953.0	964.1	1090.0	1258.0	1342.0	1486.1	1774.4
135°	986.1	945.5	905.1	945.5	986.1	996.3	1107.9	1256.8	1331.3	1452.0	1693.4
137.5°	1027.3	987.2	947.1	987.2	1027.3	1037.3	1134.7	1264.5	1329.5	1431.5	1635.6
140°	1055.8	1018.9	981.9	1018.9	1055.8	1065.0	1151.1	1265.9	1323.2	1411.4	1587.7
142.5°	1077.0	1042.9	1008.7	1042.9	1077.0	1085.5	1164.8	1270.4	1323.2	1400.7	1555.5
145°	1109.4	1079.6	1049.8	1079.6	1109.4	1116.9	1182.7	1270.4	1314.3	1377.6	1504.3
147.5°	1148.9	1119.9	1090.9	1119.9	1148.9	1156.1	1208.8	1279.1	1314.3	1364.1	1463.7
150°	1170.1	1143.9	1117.7	1143.9	1170.1	1176.7	1222.5	1283.7	1314.3	1356.4	1440.5
152.5°	1185.2	1165.3	1145.4	1165.3	1185.2	1190.1	1231.5	1286.7	1314.3	1350.2	1422.1
155°	1215.9	1201.2	1186.5	1201.2	1215.9	1219.5	1251.1	1293.3	1314.3	1342.8	1400.0
157.5°	1245.5	1231.2	1216.9	1231.2	1245.5	1249.0	1270.8	1299.8	1314.3	1336.5	1381.0
160°	1259.6	1248.6	1237.5	1248.6	1259.6	1262.4	1279.7	1302.7	1314.3	1333.4	1371.5
162.5°	1274.6	1266.3	1258.0	1266.3	1274.6	1276.7	1289.2	1306.0	1314.3	1330.3	1362.5
165°	1295.4	1287.9	1280.4	1287.9	1295.4	1297.3	1302.9	1310.5	1314.3	1325.8	1348.8
167.5°	1308.1	1304.4	1300.9	1304.4	1308.1	1308.9	1313.7	1320.1	1323.2	1330.8	1345.9
170°	1321.4	1317.8	1314.3	1317.8	1321.4	1322.3	1322.6	1323.1	1323.2	1330.8	1345.9
172.5°	1323.1	1322.2	1321.4	1322.2	1323.1	1323.2	1323.2	1323.2	1323.2	1329.2	1341.1
175°	1331.3	1331.3	1331.3	1331.3	1331.3	1331.3	1328.6	1325.1	1323.2	1327.0	1334.5
177.5°	1331.3	1331.3	1331.3	1331.3	1331.3	1331.3	1329.2	1326.4	1325.0	1327.9	1333.9
180°	1331.3	1331.3	1331.3	1331.3	1331.3	1331.3	1331.3	1331.3	1331.3	1331.3	1331.3



TEST NUMBER: P936090

CATALOG NUMBER: SQ4-FA-150U-100D-B2750-1D-UNV-STD-W-6-4000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2000.3	2000.3	2000.3	2000.3	2000.3	2000.3	2000.3	2000.3	2000.3	2000.3	2000.3
2.5°	1930.3	1924.7	1932.3	1911.4	1932.3	1924.7	1930.3	1943.6	1932.3	1939.8	1947.3
5°	1693.8	1684.3	1654.1	1629.4	1654.1	1684.3	1693.8	1733.5	1752.4	1786.5	1832.0
7.5°	1514.0	1506.4	1498.9	1483.7	1498.9	1506.4	1514.0	1525.3	1544.2	1574.6	1608.6
10°	1474.2	1476.1	1487.5	1485.6	1487.5	1476.1	1474.2	1470.5	1464.8	1470.5	1491.3
12.5°	1576.4	1593.5	1656.0	1652.2	1656.0	1593.5	1576.4	1500.8	1449.7	1440.2	1444.0
15°	1693.8	1699.4	1712.7	1714.6	1712.7	1699.4	1693.8	1663.5	1510.2	1444.0	1423.1
17.5°	1705.2	1707.1	1716.5	1716.5	1716.5	1707.1	1705.2	1691.9	1640.8	1551.9	1434.5
20°	1695.7	1699.4	1718.4	1722.2	1718.4	1699.4	1695.7	1678.6	1650.2	1618.1	1529.1
22.5°	1691.9	1699.4	1714.6	1712.7	1714.6	1699.4	1691.9	1665.4	1640.8	1618.1	1582.1
25°	1673.0	1673.0	1674.9	1676.8	1674.9	1673.0	1673.0	1652.2	1603.0	1597.2	1576.4
27.5°	1633.2	1637.0	1648.3	1646.5	1648.3	1637.0	1633.2	1625.7	1572.7	1567.0	1551.9
30°	1597.2	1593.5	1584.1	1576.4	1584.1	1593.5	1597.2	1585.9	1533.0	1517.8	1521.6
32.5°	1536.7	1527.2	1517.8	1512.1	1517.8	1527.2	1536.7	1533.0	1493.1	1472.3	1476.1
35°	1464.8	1466.7	1464.8	1459.1	1464.8	1466.7	1464.8	1468.6	1444.0	1425.1	1423.1
37.5°	1413.7	1417.5	1415.6	1408.1	1415.6	1417.5	1413.7	1409.9	1375.9	1370.1	1374.0
40°	1360.7	1362.6	1360.7	1355.0	1360.7	1362.6	1360.7	1353.1	1305.9	1307.7	1321.0
42.5°	1309.6	1307.7	1302.0	1298.2	1302.0	1307.7	1309.6	1298.2	1237.7	1232.0	1256.6
45°	1251.0	1252.9	1241.5	1235.8	1241.5	1252.9	1251.0	1243.4	1181.0	1165.8	1182.8
47.5°	1192.3	1192.3	1182.8	1177.1	1182.8	1192.3	1192.3	1182.8	1116.6	1101.4	1110.9
50°	1129.9	1128.0	1114.7	1112.8	1114.7	1128.0	1129.9	1124.1	1054.1	1040.9	1040.9
52.5°	1057.9	1057.9	1059.8	1063.6	1059.8	1057.9	1057.9	1059.8	997.3	984.1	980.3
55°	995.5	997.3	1010.6	1014.4	1010.6	997.3	995.5	995.5	938.7	925.4	917.9
57.5°	931.1	931.1	940.6	940.6	940.6	931.1	931.1	927.3	872.5	861.1	857.3
60°	857.3	861.1	868.7	866.8	868.7	861.1	857.3	853.5	806.2	798.7	785.4
62.5°	779.7	783.5	785.4	781.6	785.4	783.5	779.7	768.4	739.9	734.3	717.3
65°	698.3	702.1	704.0	700.2	704.0	702.1	698.3	692.7	671.8	662.4	647.2
67.5°	615.0	613.2	611.3	618.8	611.3	613.2	615.0	607.5	594.2	586.7	565.8
70°	529.9	529.9	528.0	531.7	528.0	529.9	529.9	524.2	516.7	511.0	492.0
72.5°	439.0	437.2	444.7	439.0	444.7	437.2	439.0	437.2	433.4	427.7	408.7
75°	350.1	353.9	350.1	355.8	350.1	353.9	350.1	352.0	350.1	346.3	333.1
77.5°	266.8	270.6	266.8	266.8	266.8	270.6	266.8	268.7	268.7	268.7	257.4
80°	189.3	187.4	187.4	185.5	187.4	187.4	189.3	189.3	191.1	187.4	183.6
82.5°	121.1	119.2	119.2	123.0	119.2	119.2	121.1	123.0	119.2	119.2	119.2
85°	66.3	68.1	64.4	64.4	64.4	68.1	66.3	62.5	66.3	66.3	64.4
87.5°	24.6	22.7	22.7	22.7	22.7	22.7	24.6	26.5	26.5	26.5	28.4
90°	34.0	34.0	34.0	34.0	34.0	34.0	34.0	45.3	60.4	67.9	58.4
92.5°	169.8	163.0	136.0	109.0	136.0	163.0	169.8	240.7	335.1	382.4	335.8
95°	576.2	555.8	474.0	392.2	474.0	555.8	576.2	756.7	997.4	1117.7	944.0
97.5°	1330.4	1291.4	1135.8	980.1	1135.8	1291.4	1330.4	1444.4	1596.6	1672.6	1382.9
100°	1868.3	1821.9	1636.5	1451.0	1636.5	1821.9	1868.3	1860.0	1848.8	1843.2	1521.8
102.5°	2327.4	2287.7	2128.9	1970.1	2128.9	2287.7	2327.4	2182.1	1988.3	1891.5	1565.4
105°	2863.6	2842.2	2756.8	2671.4	2756.8	2842.2	2863.6	2537.7	2103.3	1886.1	1570.4
107.5°	3142.3	3147.5	3168.1	3188.7	3168.1	3147.5	3142.3	2687.8	2081.9	1778.9	1500.5
110°	3213.8	3236.0	3324.9	3413.9	3324.9	3236.0	3213.8	2705.7	2028.2	1689.5	1438.5



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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3168.2	3202.4	3339.0	3475.5	3339.0	3202.4	3168.2	2648.2	1954.9	1608.2	1384.5
115°	3013.6	3061.0	3250.3	3439.8	3250.3	3061.0	3013.6	2512.7	1844.8	1510.8	1322.4
117.5°	2800.1	2852.6	3062.7	3272.8	3062.7	2852.6	2800.1	2348.0	1745.3	1443.9	1283.6
120°	2656.2	2707.2	2911.4	3115.5	2911.4	2707.2	2656.2	2243.2	1692.5	1417.0	1270.5
122.5°	2512.4	2562.7	2764.1	2965.4	2764.1	2562.7	2512.4	2140.4	1644.5	1396.5	1263.7
125°	2322.1	2368.4	2553.9	2739.3	2553.9	2368.4	2322.1	2006.1	1584.8	1374.1	1258.0
127.5°	2169.3	2208.4	2364.9	2521.4	2364.9	2208.4	2169.3	1898.0	1536.2	1355.3	1254.7
130°	2072.8	2108.9	2253.5	2398.0	2253.5	2108.9	2072.8	1831.3	1509.3	1348.3	1256.8
132.5°	1990.6	2023.0	2152.4	2281.9	2152.4	2023.0	1990.6	1774.4	1486.1	1342.0	1258.0
135°	1874.5	1902.4	2014.0	2125.5	2014.0	1902.4	1874.5	1693.4	1452.0	1331.3	1256.8
137.5°	1788.7	1811.5	1902.9	1994.2	1902.9	1811.5	1788.7	1635.6	1431.5	1329.5	1264.5
140°	1720.0	1741.3	1826.6	1912.0	1826.6	1741.3	1720.0	1587.7	1411.4	1323.2	1265.9
142.5°	1671.6	1690.0	1763.5	1836.9	1763.5	1690.0	1671.6	1555.5	1400.7	1323.2	1270.4
145°	1599.3	1613.2	1668.8	1724.3	1668.8	1613.2	1599.3	1504.3	1377.6	1314.3	1270.4
147.5°	1538.5	1550.1	1596.1	1642.2	1596.1	1550.1	1538.5	1463.7	1364.1	1314.3	1279.1
150°	1503.6	1513.0	1550.3	1587.7	1550.3	1513.0	1503.6	1440.5	1356.4	1314.3	1283.7
152.5°	1476.0	1483.0	1511.2	1539.5	1511.2	1483.0	1476.0	1422.1	1350.2	1314.3	1286.7
155°	1442.9	1447.6	1466.2	1484.9	1466.2	1447.6	1442.9	1400.0	1342.8	1314.3	1293.3
157.5°	1414.4	1417.6	1430.8	1443.9	1430.8	1417.6	1414.4	1381.0	1336.5	1314.3	1299.8
160°	1400.0	1401.9	1409.5	1417.0	1409.5	1401.9	1400.0	1371.5	1333.4	1314.3	1302.7
162.5°	1386.7	1388.5	1395.5	1402.7	1395.5	1388.5	1386.7	1362.5	1330.3	1314.3	1306.0
165°	1366.1	1368.0	1375.5	1383.0	1375.5	1368.0	1366.1	1348.8	1325.8	1314.3	1310.5
167.5°	1357.2	1357.9	1361.2	1364.3	1361.2	1357.9	1357.2	1345.9	1330.8	1323.2	1320.1
170°	1357.2	1357.2	1357.2	1357.2	1357.2	1357.2	1357.2	1345.9	1330.8	1323.2	1323.1
172.5°	1350.0	1349.3	1346.6	1343.8	1346.6	1349.3	1350.0	1341.1	1329.2	1323.2	1323.2
175°	1340.2	1340.2	1340.2	1340.2	1340.2	1340.2	1340.2	1334.5	1327.0	1323.2	1325.1
177.5°	1338.4	1337.7	1334.4	1331.3	1334.4	1337.7	1338.4	1333.9	1327.9	1325.0	1326.4
180°	1331.3	1331.3	1331.3	1331.3	1331.3	1331.3	1331.3	1331.3	1331.3	1331.3	1331.3



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	2000.3	2000.3	2000.3	2000.3	2000.3
2.5°	1975.8	1985.3	1990.9	1998.4	2017.4
5°	1900.1	1936.1	1947.3	1975.8	2009.8
7.5°	1733.5	1843.2	1873.6	1941.7	1994.7
10°	1572.7	1682.4	1735.4	1896.2	1975.8
12.5°	1491.3	1555.6	1591.6	1816.8	1949.3
15°	1440.2	1485.6	1512.1	1710.8	1919.0
17.5°	1400.4	1432.6	1451.5	1606.7	1877.3
20°	1375.9	1391.0	1408.1	1531.1	1830.1
22.5°	1358.8	1349.3	1362.6	1478.1	1765.7
25°	1347.5	1311.5	1326.7	1436.4	1690.0
27.5°	1357.0	1277.4	1283.1	1398.6	1610.5
30°	1358.8	1235.8	1237.7	1358.8	1521.6
32.5°	1345.6	1192.3	1194.1	1309.6	1421.2
35°	1313.4	1141.1	1139.3	1252.9	1285.0
37.5°	1269.9	1086.3	1086.3	1190.4	1135.5
40°	1216.9	1031.4	1037.1	1109.0	1003.0
42.5°	1152.5	972.8	980.3	1001.1	904.6
45°	1082.5	915.9	921.7	845.9	828.9
47.5°	1004.9	857.3	859.2	702.1	804.3
50°	912.2	796.8	789.2	601.8	802.4
52.5°	830.8	730.5	707.8	545.0	728.6
55°	751.3	660.5	611.3	501.5	675.7
57.5°	681.3	569.7	522.3	450.4	664.3
60°	616.9	480.7	444.7	395.6	609.4
62.5°	563.9	414.5	406.9	357.6	552.6
65°	507.2	369.0	367.1	325.5	469.4
67.5°	452.3	338.7	336.8	295.2	357.6
70°	393.7	306.6	302.8	263.1	264.9
72.5°	333.1	270.6	266.8	236.6	219.6
75°	272.6	229.0	227.1	206.3	177.9
77.5°	213.8	181.6	185.5	166.6	130.5
80°	153.3	132.5	136.3	119.2	98.4
82.5°	102.2	87.1	90.8	75.7	66.3
85°	56.8	49.2	51.1	39.7	30.3
87.5°	26.5	22.7	22.7	15.2	9.5
90°	39.3	25.0	23.2	16.1	9.0
92.5°	242.5	172.5	157.3	96.5	35.7
95°	596.6	336.0	308.2	196.9	85.8
97.5°	803.5	369.0	344.5	246.4	148.3
100°	878.9	396.7	374.5	285.5	196.5
102.5°	913.5	424.4	403.7	320.7	237.7
105°	939.1	465.5	447.9	377.6	307.3
107.5°	943.7	526.2	509.9	444.4	378.8
110°	936.7	560.2	545.4	486.3	427.1



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CATALOG NUMBER: SQ4-FA-150U-100D-B2750-1D-UNV-STD-W-6-4000K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	937.0	601.3	587.1	530.8	474.4
115°	945.5	663.0	650.0	597.9	545.9
117.5°	963.2	722.8	711.0	663.7	616.5
120°	977.4	757.7	746.6	702.1	657.6
122.5°	998.0	798.8	787.6	742.7	697.8
125°	1025.7	851.5	841.3	800.3	759.4
127.5°	1053.4	902.4	892.1	850.7	809.5
130°	1073.7	936.4	925.3	880.8	836.3
132.5°	1090.0	964.1	953.0	908.5	864.0
135°	1107.9	996.3	986.1	945.5	905.1
137.5°	1134.7	1037.3	1027.3	987.2	947.1
140°	1151.1	1065.0	1055.8	1018.9	981.9
142.5°	1164.8	1085.5	1077.0	1042.9	1008.7
145°	1182.7	1116.9	1109.4	1079.6	1049.8
147.5°	1208.8	1156.1	1148.9	1119.9	1090.9
150°	1222.5	1176.7	1170.1	1143.9	1117.7
152.5°	1231.5	1190.1	1185.2	1165.3	1145.4
155°	1251.1	1219.5	1215.9	1201.2	1186.5
157.5°	1270.8	1249.0	1245.5	1231.2	1216.9
160°	1279.7	1262.4	1259.6	1248.6	1237.5
162.5°	1289.2	1276.7	1274.6	1266.3	1258.0
165°	1302.9	1297.3	1295.4	1287.9	1280.4
167.5°	1313.7	1308.9	1308.1	1304.4	1300.9
170°	1322.6	1322.3	1321.4	1317.8	1314.3
172.5°	1323.2	1323.2	1323.1	1322.2	1321.4
175°	1328.6	1331.3	1331.3	1331.3	1331.3
177.5°	1329.2	1331.3	1331.3	1331.3	1331.3
180°	1331.3	1331.3	1331.3	1331.3	1331.3



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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	12.27	13.03	13.33	14.09	15.53	15.09	15.85	16.15	16.91	18.35
	3H	12.74	13.42	13.81	14.49	15.95	16.43	17.11	17.50	18.18	19.64
	4H	12.93	13.57	14.00	14.64	16.11	16.87	17.51	17.95	18.58	20.05
	6H	13.04	13.63	14.13	14.71	16.18	17.15	17.74	18.23	18.82	20.29
	8H	13.04	13.60	14.13	14.69	16.16	17.22	17.78	18.31	18.87	20.34
	12H	13.01	13.54	14.10	14.63	16.12	17.25	17.79	18.35	18.87	20.37
4H	2H	13.29	13.93	14.37	15.00	16.47	15.49	16.14	16.58	17.21	18.67
	3H	14.31	14.84	15.40	15.94	17.42	16.99	17.52	18.08	18.62	20.10
	4H	14.58	15.07	15.68	16.16	17.66	17.51	18.00	18.61	19.09	20.59
	6H	14.70	15.12	15.80	16.23	17.72	17.87	18.29	18.97	19.40	20.89
	8H	14.70	15.10	15.81	16.20	17.71	17.97	18.36	19.08	19.47	20.98
	12H	14.66	15.02	15.79	16.14	17.65	18.02	18.38	19.14	19.49	21.01
8H	4H	15.02	15.42	16.13	16.52	18.03	17.62	18.02	18.73	19.12	20.63
	6H	15.28	15.61	16.41	16.75	18.26	18.06	18.38	19.18	19.53	21.03
	8H	15.32	15.61	16.46	16.73	18.26	18.21	18.49	19.34	19.62	21.14
	12H	15.30	15.55	16.44	16.67	18.24	18.30	18.55	19.44	19.67	21.23
12H	4H	15.02	15.38	16.15	16.50	18.01	17.58	17.94	18.71	19.06	20.57
	6H	15.34	15.63	16.47	16.75	18.28	18.05	18.34	19.19	19.46	20.99
	8H	15.40	15.65	16.54	16.78	18.34	18.21	18.46	19.34	19.58	21.14