

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: P936042

Luminaire Tested: SQ4-FA-150U-100D-92765-1D-UNV-STD-W-6-6500K

Issue Date: 12/17/2024

**Test Information**

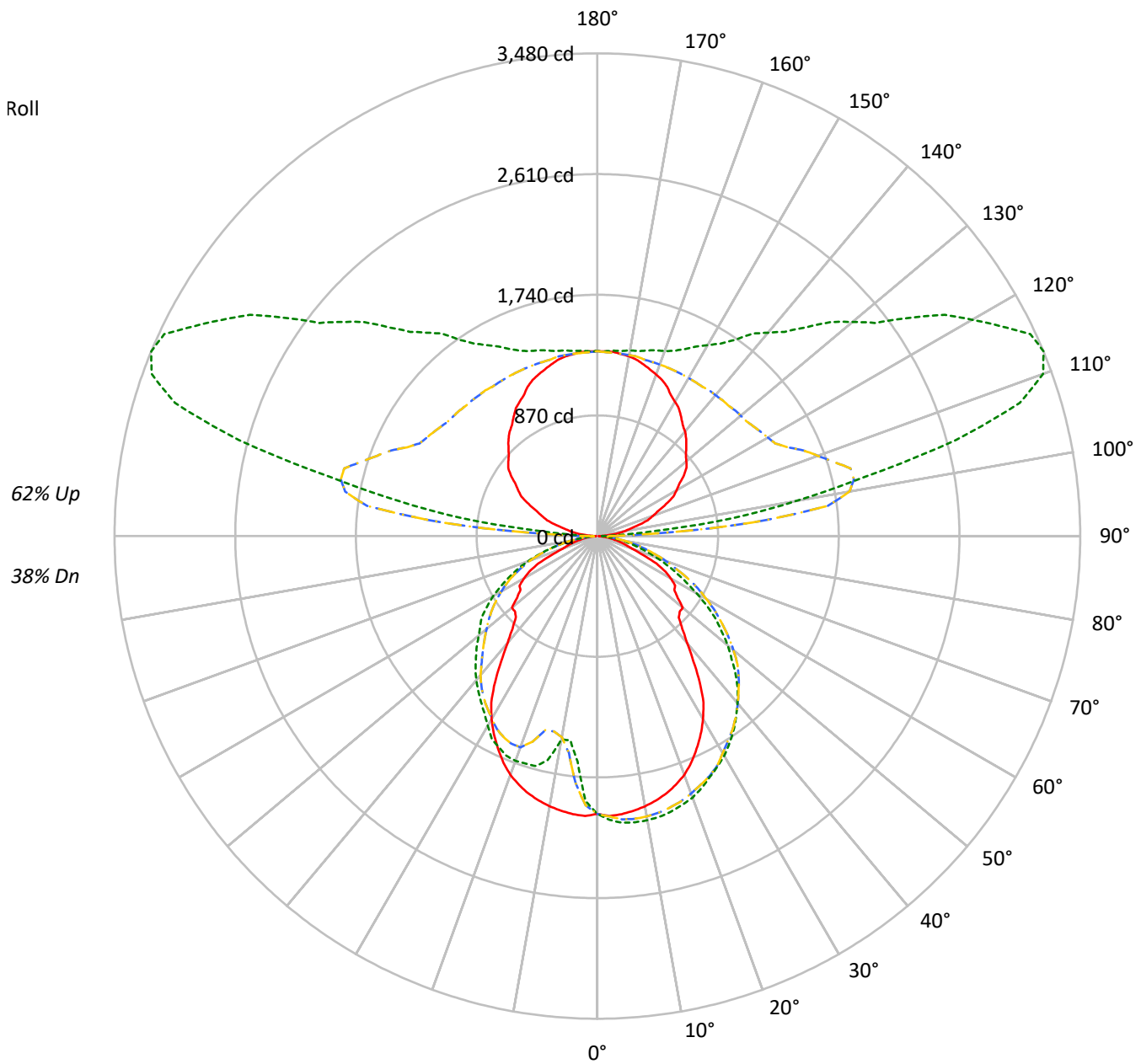
Test Method: LM-79-2019  
Report Number: P936042  
REPORT IS A COMBINATION OF REPORTS P933779 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-150U-100D-92765-1D-UNV-STD-W-6-6500K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 13839.0 lumens  
Efficiency: N/A  
Efficacy: 127.4 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°	12390	12390	12390	12390
5°	12478	12507	12478	9835
10°	12390	12320	12390	8808
15°	12251	12053	12251	10064
20°	11990	11737	11990	10086
25°	11461	11276	11461	9872
30°	10779	10893	10779	9403
35°	9605	10408	9605	8887
40°	7998	9838	7998	8497
45°	7142	9171	7142	8049
50°	7581	8375	7581	7600
55°	7127	7517	7127	7340
60°	7337	6384	7337	6722
65°	6642	5278	6642	5900
70°	4587	4206	4587	4945
75°	4008	3109	4008	3724
80°	3206	2056	3206	2238
85°	1806	1089	1806	925

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 10953 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	180.8	1.3
10°-20°	513.3	3.7
20°-30°	793.5	5.7
30°-40°	947.3	6.8
40°-50°	952.8	6.9
50°-60°	829.1	6.0
60°-70°	587.8	4.2
70°-80°	311.0	2.2
80°-90°	82.5	0.6
90°-100°	649.8	4.7
100°-110°	1708.2	12.3
110°-120°	1771.2	12.8
120°-130°	1420.7	10.3
130°-140°	1114.8	8.1
140°-150°	855.6	6.2
150°-160°	616.2	4.5
160°-170°	377.0	2.7
170°-180°	127.4	0.9
0°-30°	1487.6	10.7
0°-40°	2434.9	17.6
0°-60°	4216.8	30.5
0°-90°	5198.2	37.6
90°-120°	4129.1	29.8
90°-150°	7520.2	54.3
90°-180°	8641.0	62.4
0°-180°	13839.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	2003	2003	2003	2003	2003	
5°	2012	2075	2012	1632	2012	191
15°	1921	2056	1921	1717	1921	541
25°	1692	1918	1692	1679	1692	777
35°	1287	1711	1287	1461	1287	796
45°	830	1410	830	1237	830	665
55°	676	1040	676	1016	676	622
65°	470	627	470	701	470	449
75°	178	298	178	356	178	187
85°	30	76	30	64	30	41
90°	9	34	9	34	9	9
95°	86	393	86	393	86	95
105°	308	2675	308	2675	308	326
115°	547	3444	547	3444	547	540
125°	760	2743	760	2743	760	675
135°	906	2128	906	2128	906	701
145°	1051	1726	1051	1726	1051	659
155°	1188	1487	1188	1487	1188	546
165°	1282	1385	1282	1385	1282	362
175°	1333	1342	1333	1342	1333	127
180°	1333	1333	1333	1333	1333	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2002.8	2002.8	2002.8	2002.8	2002.8	2002.8	2002.8	2002.8	2002.8	2002.8	2002.8
2.5°	2020.0	2020.0	2031.3	2035.1	2035.1	2029.4	2023.7	2029.4	2046.4	2052.2	2050.3
5°	2012.3	2027.5	2048.4	2052.2	2055.9	2054.0	2050.3	2054.0	2072.9	2076.8	2078.7
7.5°	1997.2	2025.6	2052.2	2057.8	2063.5	2057.8	2055.9	2059.7	2078.7	2082.5	2082.5
10°	1978.3	2018.0	2048.4	2052.2	2057.8	2052.2	2052.2	2059.7	2078.7	2082.5	2084.3
12.5°	1951.7	2006.7	2035.1	2038.9	2046.4	2044.5	2042.6	2050.3	2069.2	2072.9	2072.9
15°	1921.4	1985.8	2012.3	2016.1	2029.4	2025.6	2025.6	2033.2	2054.0	2059.7	2057.8
17.5°	1879.7	1959.2	1989.6	1995.3	2004.8	2002.8	2004.8	2012.3	2031.3	2035.1	2037.0
20°	1832.4	1923.3	1959.2	1965.0	1974.4	1974.4	1974.4	1983.9	2002.8	2010.5	2010.5
22.5°	1767.9	1885.4	1923.3	1927.1	1938.5	1938.5	1942.2	1955.5	1972.5	1974.4	1974.4
25°	1692.1	1843.7	1876.0	1887.2	1898.6	1904.4	1910.0	1917.6	1923.3	1921.4	1923.3
27.5°	1612.5	1790.7	1832.4	1839.9	1855.1	1860.8	1868.3	1870.2	1872.1	1877.8	1874.0
30°	1523.5	1716.7	1779.3	1786.8	1811.5	1815.2	1807.7	1811.5	1821.0	1824.8	1828.5
32.5°	1423.0	1606.9	1724.3	1741.4	1764.1	1752.7	1750.9	1756.5	1771.7	1771.7	1775.5
35°	1286.7	1521.6	1673.1	1688.3	1705.4	1692.1	1699.7	1701.5	1711.0	1716.7	1714.8
37.5°	1136.9	1447.7	1620.1	1631.5	1644.7	1627.7	1639.0	1644.7	1652.3	1648.6	1648.6
40°	1004.3	1332.1	1557.5	1565.2	1576.6	1563.3	1574.7	1578.4	1582.2	1578.4	1576.6
42.5°	905.7	1205.1	1491.3	1500.7	1493.2	1502.7	1506.4	1514.0	1508.3	1500.7	1500.7
45°	830.0	1171.0	1419.3	1430.7	1419.3	1434.4	1440.1	1440.1	1423.0	1419.3	1417.4
47.5°	805.3	1102.8	1347.3	1347.3	1341.5	1360.5	1369.9	1356.7	1339.6	1334.0	1334.0
50°	803.4	1027.0	1248.7	1241.1	1267.6	1290.4	1280.9	1267.6	1254.4	1233.6	1233.6
52.5°	729.5	934.2	1121.7	1150.2	1191.9	1205.1	1190.0	1176.7	1153.9	1144.5	1136.9
55°	676.5	837.5	1006.2	1063.0	1106.6	1123.6	1095.2	1081.9	1047.9	1042.2	1038.4
57.5°	665.1	697.4	900.1	972.1	1025.1	1023.2	1006.2	981.5	953.1	947.4	945.6
60°	610.1	504.0	786.4	871.7	926.6	920.9	905.7	883.0	856.5	852.7	848.9
62.5°	553.3	365.7	657.5	754.1	831.9	830.0	816.7	782.5	763.6	754.1	746.6
65°	470.0	306.9	468.1	627.2	739.0	742.8	714.4	689.7	668.9	657.5	655.7
67.5°	358.1	250.1	316.4	522.9	649.9	646.2	610.1	598.8	572.3	566.5	555.2
70°	265.2	166.8	219.8	424.5	562.8	553.3	524.9	511.7	487.0	473.7	466.1
72.5°	219.8	134.5	161.0	329.7	473.7	462.3	437.7	422.5	401.7	390.3	382.8
75°	178.1	142.1	123.2	244.4	384.7	377.1	354.4	339.2	322.1	306.9	308.9
77.5°	130.7	132.6	98.5	180.1	305.0	293.7	280.5	261.5	253.9	238.8	238.8
80°	98.5	104.2	73.9	123.2	219.8	219.8	208.5	195.2	181.9	174.3	174.3
82.5°	66.4	66.4	55.0	77.6	149.7	144.0	136.4	132.6	125.1	121.2	121.2
85°	30.3	37.9	34.1	47.3	81.5	85.3	85.3	81.5	79.6	75.8	77.6
87.5°	9.5	17.0	20.8	26.5	41.7	43.6	45.5	45.5	45.5	47.3	47.3
90°	9.0	16.2	23.2	25.1	39.4	58.4	68.0	60.4	45.3	34.0	34.0
92.5°	35.8	96.6	157.5	172.7	242.8	336.2	382.9	335.5	241.0	170.0	163.2
95°	85.9	197.2	308.6	336.4	597.3	945.2	1119.1	998.6	757.7	577.0	556.5
97.5°	148.5	246.7	344.9	369.5	804.5	1384.7	1674.7	1598.6	1446.2	1332.1	1293.1
100°	196.8	285.9	374.9	397.2	880.0	1523.7	1845.5	1851.1	1862.3	1870.6	1824.2
102.5°	238.0	321.1	404.2	424.9	914.6	1567.4	1893.8	1990.8	2184.8	2330.3	2290.6
105°	307.7	378.1	448.5	466.0	940.2	1572.4	1888.5	2105.9	2540.9	2867.1	2845.7
107.5°	379.3	444.9	510.5	526.9	944.9	1502.4	1781.1	2084.5	2691.2	3146.3	3151.4
110°	427.6	486.9	546.1	560.9	937.8	1440.3	1691.6	2030.8	2709.1	3217.8	3240.1



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	475.0	531.5	587.9	602.0	938.1	1386.2	1610.2	1957.3	2651.5	3172.2	3206.4
115°	546.6	598.7	650.8	663.8	946.7	1324.0	1512.7	1847.1	2515.8	3017.4	3064.8
117.5°	617.2	664.6	711.9	723.7	964.4	1285.2	1445.7	1747.4	2350.9	2803.6	2856.1
120°	658.4	703.0	747.6	758.6	978.7	1272.1	1418.8	1694.6	2246.0	2659.6	2710.6
122.5°	698.7	743.6	788.6	799.8	999.2	1265.2	1398.2	1646.6	2143.1	2515.6	2565.9
125°	760.4	801.3	842.3	852.5	1027.0	1259.6	1375.9	1586.8	2008.6	2325.0	2371.4
127.5°	810.5	851.8	893.2	903.5	1054.7	1256.2	1357.0	1538.1	1900.3	2172.0	2211.2
130°	837.3	881.9	926.5	937.5	1075.0	1258.3	1350.0	1511.2	1833.6	2075.4	2111.6
132.5°	865.1	909.6	954.2	965.3	1091.4	1259.6	1343.6	1487.9	1776.6	1993.1	2025.5
135°	906.2	946.7	987.4	997.5	1109.3	1258.3	1332.9	1453.8	1695.5	1876.8	1904.7
137.5°	948.3	988.4	1028.6	1038.6	1136.1	1266.1	1331.1	1433.3	1637.7	1790.9	1813.8
140°	983.2	1020.2	1057.1	1066.3	1152.5	1267.4	1324.9	1413.2	1589.7	1722.1	1743.4
142.5°	1009.9	1044.2	1078.4	1086.9	1166.3	1272.0	1324.9	1402.4	1557.4	1673.7	1692.1
145°	1051.1	1081.0	1110.8	1118.3	1184.1	1272.0	1315.9	1379.3	1506.2	1601.3	1615.2
147.5°	1092.3	1121.3	1150.3	1157.6	1210.3	1280.7	1315.9	1365.8	1465.6	1540.4	1552.0
150°	1119.1	1145.3	1171.5	1178.1	1224.0	1285.3	1315.9	1358.1	1442.3	1505.5	1514.9
152.5°	1146.9	1166.7	1186.6	1191.6	1233.0	1288.3	1315.9	1351.9	1423.9	1477.8	1484.9
155°	1188.0	1202.7	1217.4	1221.1	1252.7	1294.9	1315.9	1344.5	1401.8	1444.7	1449.4
157.5°	1218.4	1232.7	1247.1	1250.6	1272.4	1301.4	1315.9	1338.2	1382.8	1416.1	1419.4
160°	1239.0	1250.1	1261.2	1264.0	1281.3	1304.3	1315.9	1335.0	1373.2	1401.8	1403.7
162.5°	1259.6	1267.9	1276.2	1278.3	1290.9	1307.6	1315.9	1332.0	1364.2	1388.4	1390.2
165°	1282.0	1289.5	1297.0	1298.9	1304.5	1312.1	1315.9	1327.5	1350.5	1367.8	1369.7
167.5°	1302.5	1306.1	1309.7	1310.6	1315.3	1321.7	1324.9	1332.5	1347.6	1358.8	1359.6
170°	1315.9	1319.5	1323.1	1323.9	1324.2	1324.7	1324.9	1332.5	1347.6	1358.8	1358.8
172.5°	1323.1	1323.8	1324.7	1324.9	1324.9	1324.9	1324.9	1330.8	1342.8	1351.7	1351.0
175°	1332.9	1332.9	1332.9	1332.9	1330.3	1326.7	1324.9	1328.6	1336.2	1341.8	1341.8
177.5°	1332.9	1332.9	1332.9	1332.9	1330.8	1328.1	1326.6	1329.6	1335.6	1340.1	1339.3
180°	1332.9	1332.9	1332.9	1332.9	1332.9	1332.9	1332.9	1332.9	1332.9	1332.9	1332.9



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2002.8	2002.8	2002.8	2002.8	2002.8	2002.8	2002.8	2002.8	2002.8	2002.8	2002.8
2.5°	2054.0	2048.4	2054.0	2050.3	2052.2	2046.4	2029.4	2023.7	2029.4	2035.1	2035.1
5°	2078.7	2074.8	2078.7	2078.7	2076.8	2072.9	2054.0	2050.3	2054.0	2055.9	2052.2
7.5°	2086.2	2080.6	2086.2	2082.5	2082.5	2078.7	2059.7	2055.9	2057.8	2063.5	2057.8
10°	2086.2	2080.6	2086.2	2084.3	2082.5	2078.7	2059.7	2052.2	2052.2	2057.8	2052.2
12.5°	2076.8	2072.9	2076.8	2072.9	2072.9	2069.2	2050.3	2042.6	2044.5	2046.4	2038.9
15°	2061.6	2055.9	2061.6	2057.8	2059.7	2054.0	2033.2	2025.6	2025.6	2029.4	2016.1
17.5°	2038.9	2031.3	2038.9	2037.0	2035.1	2031.3	2012.3	2004.8	2002.8	2004.8	1995.3
20°	2012.3	2006.7	2012.3	2010.5	2010.5	2002.8	1983.9	1974.4	1974.4	1974.4	1965.0
22.5°	1970.6	1965.0	1970.6	1974.4	1974.4	1972.5	1955.5	1942.2	1938.5	1938.5	1927.1
25°	1923.3	1917.6	1923.3	1923.3	1921.4	1923.3	1917.6	1910.0	1904.4	1898.6	1887.2
27.5°	1877.8	1874.0	1877.8	1874.0	1877.8	1872.1	1870.2	1868.3	1860.8	1855.1	1839.9
30°	1832.4	1828.5	1832.4	1828.5	1824.8	1821.0	1811.5	1807.7	1815.2	1811.5	1786.8
32.5°	1775.5	1771.7	1775.5	1775.5	1771.7	1771.7	1756.5	1750.9	1752.7	1764.1	1741.4
35°	1716.7	1711.0	1716.7	1714.8	1716.7	1711.0	1701.5	1699.7	1692.1	1705.4	1688.3
37.5°	1648.6	1642.8	1648.6	1648.6	1648.6	1652.3	1644.7	1639.0	1627.7	1644.7	1631.5
40°	1578.4	1570.8	1578.4	1576.6	1578.4	1582.2	1578.4	1574.7	1563.3	1576.6	1565.2
42.5°	1498.8	1496.9	1498.8	1500.7	1500.7	1508.3	1514.0	1506.4	1502.7	1493.2	1500.7
45°	1413.5	1409.8	1413.5	1417.4	1419.3	1423.0	1440.1	1440.1	1434.4	1419.3	1430.7
47.5°	1322.6	1313.1	1322.6	1334.0	1334.0	1339.6	1356.7	1369.9	1360.5	1341.5	1347.3
50°	1225.9	1227.8	1225.9	1233.6	1233.6	1254.4	1267.6	1280.9	1290.4	1267.6	1241.1
52.5°	1131.3	1129.4	1131.3	1136.9	1144.5	1153.9	1176.7	1190.0	1205.1	1191.9	1150.2
55°	1036.5	1040.2	1036.5	1038.4	1042.2	1047.9	1081.9	1095.2	1123.6	1106.6	1063.0
57.5°	941.8	936.0	941.8	945.6	947.4	953.1	981.5	1006.2	1023.2	1025.1	972.1
60°	831.9	824.2	831.9	848.9	852.7	856.5	883.0	905.7	920.9	926.6	871.7
62.5°	735.2	721.9	735.2	746.6	754.1	763.6	782.5	816.7	830.0	831.9	754.1
65°	632.9	627.2	632.9	655.7	657.5	668.9	689.7	714.4	742.8	739.0	627.2
67.5°	540.1	540.1	540.1	555.2	566.5	572.3	598.8	610.1	646.2	649.9	522.9
70°	454.8	452.9	454.8	466.1	473.7	487.0	511.7	524.9	553.3	562.8	424.5
72.5°	373.3	371.4	373.3	382.8	390.3	401.7	422.5	437.7	462.3	473.7	329.7
75°	301.3	297.5	301.3	308.9	306.9	322.1	339.2	354.4	377.1	384.7	244.4
77.5°	231.2	231.2	231.2	238.8	238.8	253.9	261.5	280.5	293.7	305.0	180.1
80°	172.4	170.6	172.4	174.3	174.3	181.9	195.2	208.5	219.8	219.8	123.2
82.5°	121.2	117.5	121.2	121.2	121.2	125.1	132.6	136.4	144.0	149.7	77.6
85°	75.8	75.8	75.8	77.6	75.8	79.6	81.5	85.3	85.3	81.5	47.3
87.5°	49.2	47.3	49.2	47.3	47.3	45.5	45.5	45.5	43.6	41.7	26.5
90°	34.0	34.0	34.0	34.0	34.0	45.3	60.4	68.0	58.4	39.4	25.1
92.5°	136.2	109.1	136.2	163.2	170.0	241.0	335.5	382.9	336.2	242.8	172.7
95°	474.6	392.7	474.6	556.5	577.0	757.7	998.6	1119.1	945.2	597.3	336.4
97.5°	1137.2	981.3	1137.2	1293.1	1332.1	1446.2	1598.6	1674.7	1384.7	804.5	369.5
100°	1638.5	1452.8	1638.5	1824.2	1870.6	1862.3	1851.1	1845.5	1523.7	880.0	397.2
102.5°	2131.5	1972.5	2131.5	2290.6	2330.3	2184.8	1990.8	1893.8	1567.4	914.6	424.9
105°	2760.2	2674.8	2760.2	2845.7	2867.1	2540.9	2105.9	1888.5	1572.4	940.2	466.0
107.5°	3172.1	3192.7	3172.1	3151.4	3146.3	2691.2	2084.5	1781.1	1502.4	944.9	526.9
110°	3329.1	3418.2	3329.1	3240.1	3217.8	2709.1	2030.8	1691.6	1440.3	937.8	560.9





TEST NUMBER: P936042

CATALOG NUMBER: SQ4-FA-150U-100D-92765-1D-UNV-STD-W-6-6500K

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3343.1	3479.9	3343.1	3206.4	3172.2	2651.5	1957.3	1610.2	1386.2	938.1	602.0
115°	3254.4	3444.1	3254.4	3064.8	3017.4	2515.8	1847.1	1512.7	1324.0	946.7	663.8
117.5°	3066.5	3276.9	3066.5	2856.1	2803.6	2350.9	1747.4	1445.7	1285.2	964.4	723.7
120°	2915.0	3119.4	2915.0	2710.6	2659.6	2246.0	1694.6	1418.8	1272.1	978.7	758.6
122.5°	2767.5	2969.1	2767.5	2565.9	2515.6	2143.1	1646.6	1398.2	1265.2	999.2	799.8
125°	2557.1	2742.7	2557.1	2371.4	2325.0	2008.6	1586.8	1375.9	1259.6	1027.0	852.5
127.5°	2367.8	2524.5	2367.8	2211.2	2172.0	1900.3	1538.1	1357.0	1256.2	1054.7	903.5
130°	2256.3	2401.0	2256.3	2111.6	2075.4	1833.6	1511.2	1350.0	1258.3	1075.0	937.5
132.5°	2155.1	2284.7	2155.1	2025.5	1993.1	1776.6	1487.9	1343.6	1259.6	1091.4	965.3
135°	2016.5	2128.2	2016.5	1904.7	1876.8	1695.5	1453.8	1332.9	1258.3	1109.3	997.5
137.5°	1905.3	1996.7	1905.3	1813.8	1790.9	1637.7	1433.3	1331.1	1266.1	1136.1	1038.6
140°	1828.9	1914.4	1828.9	1743.4	1722.1	1589.7	1413.2	1324.9	1267.4	1152.5	1066.3
142.5°	1765.7	1839.2	1765.7	1692.1	1673.7	1557.4	1402.4	1324.9	1272.0	1166.3	1086.9
145°	1670.9	1726.5	1670.9	1615.2	1601.3	1506.2	1379.3	1315.9	1272.0	1184.1	1118.3
147.5°	1598.1	1644.3	1598.1	1552.0	1540.4	1465.6	1365.8	1315.9	1280.7	1210.3	1157.6
150°	1552.3	1589.7	1552.3	1514.9	1505.5	1442.3	1358.1	1315.9	1285.3	1224.0	1178.1
152.5°	1513.1	1541.4	1513.1	1484.9	1477.8	1423.9	1351.9	1315.9	1288.3	1233.0	1191.6
155°	1468.0	1486.8	1468.0	1449.4	1444.7	1401.8	1344.5	1315.9	1294.9	1252.7	1221.1
157.5°	1432.6	1445.7	1432.6	1419.4	1416.1	1382.8	1338.2	1315.9	1301.4	1272.4	1250.6
160°	1411.2	1418.8	1411.2	1403.7	1401.8	1373.2	1335.0	1315.9	1304.3	1281.3	1264.0
162.5°	1397.3	1404.5	1397.3	1390.2	1388.4	1364.2	1332.0	1315.9	1307.6	1290.9	1278.3
165°	1377.2	1384.8	1377.2	1369.7	1367.8	1350.5	1327.5	1315.9	1312.1	1304.5	1298.9
167.5°	1362.9	1366.0	1362.9	1359.6	1358.8	1347.6	1332.5	1324.9	1321.7	1315.3	1310.6
170°	1358.8	1358.8	1358.8	1358.8	1358.8	1347.6	1332.5	1324.9	1324.7	1324.2	1323.9
172.5°	1348.2	1345.5	1348.2	1351.0	1351.7	1342.8	1330.8	1324.9	1324.9	1324.9	1324.9
175°	1341.8	1341.8	1341.8	1341.8	1341.8	1336.2	1328.6	1324.9	1326.7	1330.3	1332.9
177.5°	1336.1	1332.9	1336.1	1339.3	1340.1	1335.6	1329.6	1326.6	1328.1	1330.8	1332.9
180°	1332.9	1332.9	1332.9	1332.9	1332.9	1332.9	1332.9	1332.9	1332.9	1332.9	1332.9



TEST NUMBER: P936042

CATALOG NUMBER: SQ4-FA-150U-100D-92765-1D-UNV-STD-W-6-6500K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2002.8	2002.8	2002.8	2002.8	2002.8	2002.8	2002.8	2002.8	2002.8	2002.8	2002.8
2.5°	2031.3	2020.0	2020.0	2000.9	1993.4	1987.7	1978.3	1949.8	1942.2	1934.7	1946.0
5°	2048.4	2027.5	2012.3	1978.3	1949.8	1938.5	1902.4	1834.3	1788.8	1754.6	1735.7
7.5°	2052.2	2025.6	1997.2	1944.1	1876.0	1845.5	1735.7	1610.6	1576.6	1546.2	1527.2
10°	2048.4	2018.0	1978.3	1898.6	1737.6	1684.5	1574.7	1493.2	1472.3	1466.6	1472.3
12.5°	2035.1	2006.7	1951.7	1819.1	1593.6	1557.5	1493.2	1445.8	1442.0	1451.5	1502.7
15°	2012.3	1985.8	1921.4	1712.9	1514.0	1487.5	1442.0	1424.9	1445.8	1512.1	1665.6
17.5°	1989.6	1959.2	1879.7	1608.7	1453.3	1434.4	1402.2	1436.3	1553.8	1642.8	1694.0
20°	1959.2	1923.3	1832.4	1533.0	1409.8	1392.7	1377.6	1531.1	1620.1	1652.3	1680.7
22.5°	1923.3	1885.4	1767.9	1479.9	1364.3	1351.0	1360.5	1584.1	1620.1	1642.8	1667.5
25°	1876.0	1843.7	1692.1	1438.2	1328.3	1313.1	1349.2	1578.4	1599.2	1605.0	1654.2
27.5°	1832.4	1790.7	1612.5	1400.3	1284.7	1279.0	1358.7	1553.8	1568.9	1574.7	1627.7
30°	1779.3	1716.7	1523.5	1360.5	1239.2	1237.3	1360.5	1523.5	1519.7	1534.9	1587.9
32.5°	1724.3	1606.9	1423.0	1311.2	1195.6	1193.8	1347.3	1478.0	1474.2	1495.0	1534.9
35°	1673.1	1521.6	1286.7	1254.4	1140.7	1142.6	1315.1	1424.9	1426.8	1445.8	1470.4
37.5°	1620.1	1447.7	1136.9	1191.9	1087.7	1087.7	1271.4	1375.7	1371.9	1377.6	1411.6
40°	1557.5	1332.1	1004.3	1110.4	1038.4	1032.7	1218.4	1322.6	1309.3	1307.5	1354.8
42.5°	1491.3	1205.1	905.7	1002.4	981.5	974.0	1153.9	1258.2	1233.6	1239.2	1299.8
45°	1419.3	1171.0	830.0	847.0	922.8	917.1	1083.8	1184.2	1167.2	1182.4	1245.0
47.5°	1347.3	1102.8	805.3	703.0	860.3	858.4	1006.2	1112.2	1102.8	1118.0	1184.2
50°	1248.7	1027.0	803.4	602.6	790.2	797.8	913.4	1042.2	1042.2	1055.4	1125.5
52.5°	1121.7	934.2	729.5	545.7	708.6	731.4	831.9	981.5	985.4	998.6	1061.1
55°	1006.2	837.5	676.5	502.1	612.1	661.3	752.2	919.0	926.6	939.8	996.7
57.5°	900.1	697.4	665.1	450.9	522.9	570.4	682.1	858.4	862.2	873.6	928.5
60°	786.4	504.0	610.1	396.1	445.3	481.3	617.7	786.4	799.7	807.2	854.5
62.5°	657.5	365.7	553.3	358.1	407.4	415.0	564.6	718.2	735.2	740.9	769.4
65°	468.1	306.9	470.0	325.9	367.6	369.5	507.8	648.0	663.2	672.7	693.5
67.5°	316.4	250.1	358.1	295.6	337.2	339.2	452.9	566.5	587.4	594.9	608.2
70°	219.8	166.8	265.2	263.4	303.2	306.9	394.1	492.6	511.7	517.3	524.9
72.5°	161.0	134.5	219.8	236.8	267.2	271.0	333.5	409.3	428.3	433.9	437.7
75°	123.2	142.1	178.1	206.5	227.4	229.3	272.9	333.5	346.7	350.5	352.5
77.5°	98.5	132.6	130.7	166.8	185.7	181.9	214.1	257.7	269.1	269.1	269.1
80°	73.9	104.2	98.5	119.3	136.4	132.6	153.5	183.8	187.6	191.3	189.5
82.5°	55.0	66.4	66.4	75.8	90.9	87.2	102.3	119.3	119.3	119.3	123.2
85°	34.1	37.9	30.3	39.8	51.2	49.2	56.9	64.4	66.4	66.4	62.5
87.5°	20.8	17.0	9.5	15.2	22.8	22.8	26.5	28.4	26.5	26.5	26.5
90°	23.2	16.2	9.0	16.2	23.2	25.1	39.4	58.4	68.0	60.4	45.3
92.5°	157.5	96.6	35.8	96.6	157.5	172.7	242.8	336.2	382.9	335.5	241.0
95°	308.6	197.2	85.9	197.2	308.6	336.4	597.3	945.2	1119.1	998.6	757.7
97.5°	344.9	246.7	148.5	246.7	344.9	369.5	804.5	1384.7	1674.7	1598.6	1446.2
100°	374.9	285.9	196.8	285.9	374.9	397.2	880.0	1523.7	1845.5	1851.1	1862.3
102.5°	404.2	321.1	238.0	321.1	404.2	424.9	914.6	1567.4	1893.8	1990.8	2184.8
105°	448.5	378.1	307.7	378.1	448.5	466.0	940.2	1572.4	1888.5	2105.9	2540.9
107.5°	510.5	444.9	379.3	444.9	510.5	526.9	944.9	1502.4	1781.1	2084.5	2691.2
110°	546.1	486.9	427.6	486.9	546.1	560.9	937.8	1440.3	1691.6	2030.8	2709.1



TEST NUMBER: P936042

CATALOG NUMBER: SQ4-FA-150U-100D-92765-1D-UNV-STD-W-6-6500K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	587.9	531.5	475.0	531.5	587.9	602.0	938.1	1386.2	1610.2	1957.3	2651.5
115°	650.8	598.7	546.6	598.7	650.8	663.8	946.7	1324.0	1512.7	1847.1	2515.8
117.5°	711.9	664.6	617.2	664.6	711.9	723.7	964.4	1285.2	1445.7	1747.4	2350.9
120°	747.6	703.0	658.4	703.0	747.6	758.6	978.7	1272.1	1418.8	1694.6	2246.0
122.5°	788.6	743.6	698.7	743.6	788.6	799.8	999.2	1265.2	1398.2	1646.6	2143.1
125°	842.3	801.3	760.4	801.3	842.3	852.5	1027.0	1259.6	1375.9	1586.8	2008.6
127.5°	893.2	851.8	810.5	851.8	893.2	903.5	1054.7	1256.2	1357.0	1538.1	1900.3
130°	926.5	881.9	837.3	881.9	926.5	937.5	1075.0	1258.3	1350.0	1511.2	1833.6
132.5°	954.2	909.6	865.1	909.6	954.2	965.3	1091.4	1259.6	1343.6	1487.9	1776.6
135°	987.4	946.7	906.2	946.7	987.4	997.5	1109.3	1258.3	1332.9	1453.8	1695.5
137.5°	1028.6	988.4	948.3	988.4	1028.6	1038.6	1136.1	1266.1	1331.1	1433.3	1637.7
140°	1057.1	1020.2	983.2	1020.2	1057.1	1066.3	1152.5	1267.4	1324.9	1413.2	1589.7
142.5°	1078.4	1044.2	1009.9	1044.2	1078.4	1086.9	1166.3	1272.0	1324.9	1402.4	1557.4
145°	1110.8	1081.0	1051.1	1081.0	1110.8	1118.3	1184.1	1272.0	1315.9	1379.3	1506.2
147.5°	1150.3	1121.3	1092.3	1121.3	1150.3	1157.6	1210.3	1280.7	1315.9	1365.8	1465.6
150°	1171.5	1145.3	1119.1	1145.3	1171.5	1178.1	1224.0	1285.3	1315.9	1358.1	1442.3
152.5°	1186.6	1166.7	1146.9	1166.7	1186.6	1191.6	1233.0	1288.3	1315.9	1351.9	1423.9
155°	1217.4	1202.7	1188.0	1202.7	1217.4	1221.1	1252.7	1294.9	1315.9	1344.5	1401.8
157.5°	1247.1	1232.7	1218.4	1232.7	1247.1	1250.6	1272.4	1301.4	1315.9	1338.2	1382.8
160°	1261.2	1250.1	1239.0	1250.1	1261.2	1264.0	1281.3	1304.3	1315.9	1335.0	1373.2
162.5°	1276.2	1267.9	1259.6	1267.9	1276.2	1278.3	1290.9	1307.6	1315.9	1332.0	1364.2
165°	1297.0	1289.5	1282.0	1289.5	1297.0	1298.9	1304.5	1312.1	1315.9	1327.5	1350.5
167.5°	1309.7	1306.1	1302.5	1306.1	1309.7	1310.6	1315.3	1321.7	1324.9	1332.5	1347.6
170°	1323.1	1319.5	1315.9	1319.5	1323.1	1323.9	1324.2	1324.7	1324.9	1332.5	1347.6
172.5°	1324.7	1323.8	1323.1	1323.8	1324.7	1324.9	1324.9	1324.9	1324.9	1330.8	1342.8
175°	1332.9	1332.9	1332.9	1332.9	1332.9	1332.9	1330.3	1326.7	1324.9	1328.6	1336.2
177.5°	1332.9	1332.9	1332.9	1332.9	1332.9	1332.9	1330.8	1328.1	1326.6	1329.6	1335.6
180°	1332.9	1332.9	1332.9	1332.9	1332.9	1332.9	1332.9	1332.9	1332.9	1332.9	1332.9



TEST NUMBER: P936042

CATALOG NUMBER: SQ4-FA-150U-100D-92765-1D-UNV-STD-W-6-6500K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2002.8	2002.8	2002.8	2002.8	2002.8	2002.8	2002.8	2002.8	2002.8	2002.8	2002.8
2.5°	1932.8	1927.1	1934.7	1913.8	1934.7	1927.1	1932.8	1946.0	1934.7	1942.2	1949.8
5°	1695.9	1686.4	1656.1	1631.5	1656.1	1686.4	1695.9	1735.7	1754.6	1788.8	1834.3
7.5°	1515.9	1508.3	1500.7	1485.5	1500.7	1508.3	1515.9	1527.2	1546.2	1576.6	1610.6
10°	1476.1	1478.0	1489.4	1487.5	1489.4	1478.0	1476.1	1472.3	1466.6	1472.3	1493.2
12.5°	1578.4	1595.5	1658.0	1654.2	1658.0	1595.5	1578.4	1502.7	1451.5	1442.0	1445.8
15°	1695.9	1701.5	1714.8	1716.7	1714.8	1701.5	1695.9	1665.6	1512.1	1445.8	1424.9
17.5°	1707.3	1709.2	1718.7	1718.7	1718.7	1709.2	1707.3	1694.0	1642.8	1553.8	1436.3
20°	1697.8	1701.5	1720.6	1724.3	1720.6	1701.5	1697.8	1680.7	1652.3	1620.1	1531.1
22.5°	1694.0	1701.5	1716.7	1714.8	1716.7	1701.5	1694.0	1667.5	1642.8	1620.1	1584.1
25°	1675.1	1675.1	1677.0	1678.9	1677.0	1675.1	1675.1	1654.2	1605.0	1599.2	1578.4
27.5°	1635.3	1639.0	1650.4	1648.6	1650.4	1639.0	1635.3	1627.7	1574.7	1568.9	1553.8
30°	1599.2	1595.5	1586.0	1578.4	1586.0	1595.5	1599.2	1587.9	1534.9	1519.7	1523.5
32.5°	1538.6	1529.1	1519.7	1514.0	1519.7	1529.1	1538.6	1534.9	1495.0	1474.2	1478.0
35°	1466.6	1468.5	1466.6	1461.0	1466.6	1468.5	1466.6	1470.4	1445.8	1426.8	1424.9
37.5°	1415.5	1419.3	1417.4	1409.8	1417.4	1419.3	1415.5	1411.6	1377.6	1371.9	1375.7
40°	1362.4	1364.3	1362.4	1356.7	1362.4	1364.3	1362.4	1354.8	1307.5	1309.3	1322.6
42.5°	1311.2	1309.3	1303.7	1299.8	1303.7	1309.3	1311.2	1299.8	1239.2	1233.6	1258.2
45°	1252.5	1254.4	1243.1	1237.3	1243.1	1254.4	1252.5	1245.0	1182.4	1167.2	1184.2
47.5°	1193.8	1193.8	1184.2	1178.6	1184.2	1193.8	1193.8	1184.2	1118.0	1102.8	1112.2
50°	1131.3	1129.4	1116.1	1114.2	1116.1	1129.4	1131.3	1125.5	1055.4	1042.2	1042.2
52.5°	1059.3	1059.3	1061.1	1064.9	1061.1	1059.3	1059.3	1061.1	998.6	985.4	981.5
55°	996.7	998.6	1011.8	1015.7	1011.8	998.6	996.7	996.7	939.8	926.6	919.0
57.5°	932.3	932.3	941.8	941.8	941.8	932.3	932.3	928.5	873.6	862.2	858.4
60°	858.4	862.2	869.8	867.8	869.8	862.2	858.4	854.5	807.2	799.7	786.4
62.5°	780.6	784.5	786.4	782.5	786.4	784.5	780.6	769.4	740.9	735.2	718.2
65°	699.2	703.0	704.9	701.1	704.9	703.0	699.2	693.5	672.7	663.2	648.0
67.5°	615.8	614.0	612.1	619.6	612.1	614.0	615.8	608.2	594.9	587.4	566.5
70°	530.6	530.6	528.7	532.4	528.7	530.6	530.6	524.9	517.3	511.7	492.6
72.5°	439.6	437.7	445.3	439.6	445.3	437.7	439.6	437.7	433.9	428.3	409.3
75°	350.5	354.4	350.5	356.3	350.5	354.4	350.5	352.5	350.5	346.7	333.5
77.5°	267.2	271.0	267.2	267.2	267.2	271.0	267.2	269.1	269.1	269.1	257.7
80°	189.5	187.6	187.6	185.7	187.6	187.6	189.5	189.5	191.3	187.6	183.8
82.5°	121.2	119.3	119.3	123.2	119.3	119.3	121.2	123.2	119.3	119.3	119.3
85°	66.4	68.2	64.4	64.4	64.4	68.2	66.4	62.5	66.4	66.4	64.4
87.5°	24.7	22.8	22.8	22.8	22.8	22.8	24.7	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	68.0	58.4
92.5°	170.0	163.2	136.2	109.1	136.2	163.2	170.0	241.0	335.5	382.9	336.2
95°	577.0	556.5	474.6	392.7	474.6	556.5	577.0	757.7	998.6	1119.1	945.2
97.5°	1332.1	1293.1	1137.2	981.3	1137.2	1293.1	1332.1	1446.2	1598.6	1674.7	1384.7
100°	1870.6	1824.2	1638.5	1452.8	1638.5	1824.2	1870.6	1862.3	1851.1	1845.5	1523.7
102.5°	2330.3	2290.6	2131.5	1972.5	2131.5	2290.6	2330.3	2184.8	1990.8	1893.8	1567.4
105°	2867.1	2845.7	2760.2	2674.8	2760.2	2845.7	2867.1	2540.9	2105.9	1888.5	1572.4
107.5°	3146.3	3151.4	3172.1	3192.7	3172.1	3151.4	3146.3	2691.2	2084.5	1781.1	1502.4
110°	3217.8	3240.1	3329.1	3418.2	3329.1	3240.1	3217.8	2709.1	2030.8	1691.6	1440.3



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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3172.2	3206.4	3343.1	3479.9	3343.1	3206.4	3172.2	2651.5	1957.3	1610.2	1386.2
115°	3017.4	3064.8	3254.4	3444.1	3254.4	3064.8	3017.4	2515.8	1847.1	1512.7	1324.0
117.5°	2803.6	2856.1	3066.5	3276.9	3066.5	2856.1	2803.6	2350.9	1747.4	1445.7	1285.2
120°	2659.6	2710.6	2915.0	3119.4	2915.0	2710.6	2659.6	2246.0	1694.6	1418.8	1272.1
122.5°	2515.6	2565.9	2767.5	2969.1	2767.5	2565.9	2515.6	2143.1	1646.6	1398.2	1265.2
125°	2325.0	2371.4	2557.1	2742.7	2557.1	2371.4	2325.0	2008.6	1586.8	1375.9	1259.6
127.5°	2172.0	2211.2	2367.8	2524.5	2367.8	2211.2	2172.0	1900.3	1538.1	1357.0	1256.2
130°	2075.4	2111.6	2256.3	2401.0	2256.3	2111.6	2075.4	1833.6	1511.2	1350.0	1258.3
132.5°	1993.1	2025.5	2155.1	2284.7	2155.1	2025.5	1993.1	1776.6	1487.9	1343.6	1259.6
135°	1876.8	1904.7	2016.5	2128.2	2016.5	1904.7	1876.8	1695.5	1453.8	1332.9	1258.3
137.5°	1790.9	1813.8	1905.3	1996.7	1905.3	1813.8	1790.9	1637.7	1433.3	1331.1	1266.1
140°	1722.1	1743.4	1828.9	1914.4	1828.9	1743.4	1722.1	1589.7	1413.2	1324.9	1267.4
142.5°	1673.7	1692.1	1765.7	1839.2	1765.7	1692.1	1673.7	1557.4	1402.4	1324.9	1272.0
145°	1601.3	1615.2	1670.9	1726.5	1670.9	1615.2	1601.3	1506.2	1379.3	1315.9	1272.0
147.5°	1540.4	1552.0	1598.1	1644.3	1598.1	1552.0	1540.4	1465.6	1365.8	1315.9	1280.7
150°	1505.5	1514.9	1552.3	1589.7	1552.3	1514.9	1505.5	1442.3	1358.1	1315.9	1285.3
152.5°	1477.8	1484.9	1513.1	1541.4	1513.1	1484.9	1477.8	1423.9	1351.9	1315.9	1288.3
155°	1444.7	1449.4	1468.0	1486.8	1468.0	1449.4	1444.7	1401.8	1344.5	1315.9	1294.9
157.5°	1416.1	1419.4	1432.6	1445.7	1432.6	1419.4	1416.1	1382.8	1338.2	1315.9	1301.4
160°	1401.8	1403.7	1411.2	1418.8	1411.2	1403.7	1401.8	1373.2	1335.0	1315.9	1304.3
162.5°	1388.4	1390.2	1397.3	1404.5	1397.3	1390.2	1388.4	1364.2	1332.0	1315.9	1307.6
165°	1367.8	1369.7	1377.2	1384.8	1377.2	1369.7	1367.8	1350.5	1327.5	1315.9	1312.1
167.5°	1358.8	1359.6	1362.9	1366.0	1362.9	1359.6	1358.8	1347.6	1332.5	1324.9	1321.7
170°	1358.8	1358.8	1358.8	1358.8	1358.8	1358.8	1358.8	1347.6	1332.5	1324.9	1324.7
172.5°	1351.7	1351.0	1348.2	1345.5	1348.2	1351.0	1351.7	1342.8	1330.8	1324.9	1324.9
175°	1341.8	1341.8	1341.8	1341.8	1341.8	1341.8	1341.8	1336.2	1328.6	1324.9	1326.7
177.5°	1340.1	1339.3	1336.1	1332.9	1336.1	1339.3	1340.1	1335.6	1329.6	1326.6	1328.1
180°	1332.9	1332.9	1332.9	1332.9	1332.9	1332.9	1332.9	1332.9	1332.9	1332.9	1332.9



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	2002.8	2002.8	2002.8	2002.8	2002.8
2.5°	1978.3	1987.7	1993.4	2000.9	2020.0
5°	1902.4	1938.5	1949.8	1978.3	2012.3
7.5°	1735.7	1845.5	1876.0	1944.1	1997.2
10°	1574.7	1684.5	1737.6	1898.6	1978.3
12.5°	1493.2	1557.5	1593.6	1819.1	1951.7
15°	1442.0	1487.5	1514.0	1712.9	1921.4
17.5°	1402.2	1434.4	1453.3	1608.7	1879.7
20°	1377.6	1392.7	1409.8	1533.0	1832.4
22.5°	1360.5	1351.0	1364.3	1479.9	1767.9
25°	1349.2	1313.1	1328.3	1438.2	1692.1
27.5°	1358.7	1279.0	1284.7	1400.3	1612.5
30°	1360.5	1237.3	1239.2	1360.5	1523.5
32.5°	1347.3	1193.8	1195.6	1311.2	1423.0
35°	1315.1	1142.6	1140.7	1254.4	1286.7
37.5°	1271.4	1087.7	1087.7	1191.9	1136.9
40°	1218.4	1032.7	1038.4	1110.4	1004.3
42.5°	1153.9	974.0	981.5	1002.4	905.7
45°	1083.8	917.1	922.8	847.0	830.0
47.5°	1006.2	858.4	860.3	703.0	805.3
50°	913.4	797.8	790.2	602.6	803.4
52.5°	831.9	731.4	708.6	545.7	729.5
55°	752.2	661.3	612.1	502.1	676.5
57.5°	682.1	570.4	522.9	450.9	665.1
60°	617.7	481.3	445.3	396.1	610.1
62.5°	564.6	415.0	407.4	358.1	553.3
65°	507.8	369.5	367.6	325.9	470.0
67.5°	452.9	339.2	337.2	295.6	358.1
70°	394.1	306.9	303.2	263.4	265.2
72.5°	333.5	271.0	267.2	236.8	219.8
75°	272.9	229.3	227.4	206.5	178.1
77.5°	214.1	181.9	185.7	166.8	130.7
80°	153.5	132.6	136.4	119.3	98.5
82.5°	102.3	87.2	90.9	75.8	66.4
85°	56.9	49.2	51.2	39.8	30.3
87.5°	26.5	22.8	22.8	15.2	9.5
90°	39.4	25.1	23.2	16.2	9.0
92.5°	242.8	172.7	157.5	96.6	35.8
95°	597.3	336.4	308.6	197.2	85.9
97.5°	804.5	369.5	344.9	246.7	148.5
100°	880.0	397.2	374.9	285.9	196.8
102.5°	914.6	424.9	404.2	321.1	238.0
105°	940.2	466.0	448.5	378.1	307.7
107.5°	944.9	526.9	510.5	444.9	379.3
110°	937.8	560.9	546.1	486.9	427.6



TEST NUMBER: P936042

CATALOG NUMBER: SQ4-FA-150U-100D-92765-1D-UNV-STD-W-6-6500K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	938.1	602.0	587.9	531.5	475.0
115°	946.7	663.8	650.8	598.7	546.6
117.5°	964.4	723.7	711.9	664.6	617.2
120°	978.7	758.6	747.6	703.0	658.4
122.5°	999.2	799.8	788.6	743.6	698.7
125°	1027.0	852.5	842.3	801.3	760.4
127.5°	1054.7	903.5	893.2	851.8	810.5
130°	1075.0	937.5	926.5	881.9	837.3
132.5°	1091.4	965.3	954.2	909.6	865.1
135°	1109.3	997.5	987.4	946.7	906.2
137.5°	1136.1	1038.6	1028.6	988.4	948.3
140°	1152.5	1066.3	1057.1	1020.2	983.2
142.5°	1166.3	1086.9	1078.4	1044.2	1009.9
145°	1184.1	1118.3	1110.8	1081.0	1051.1
147.5°	1210.3	1157.6	1150.3	1121.3	1092.3
150°	1224.0	1178.1	1171.5	1145.3	1119.1
152.5°	1233.0	1191.6	1186.6	1166.7	1146.9
155°	1252.7	1221.1	1217.4	1202.7	1188.0
157.5°	1272.4	1250.6	1247.1	1232.7	1218.4
160°	1281.3	1264.0	1261.2	1250.1	1239.0
162.5°	1290.9	1278.3	1276.2	1267.9	1259.6
165°	1304.5	1298.9	1297.0	1289.5	1282.0
167.5°	1315.3	1310.6	1309.7	1306.1	1302.5
170°	1324.2	1323.9	1323.1	1319.5	1315.9
172.5°	1324.9	1324.9	1324.7	1323.8	1323.1
175°	1330.3	1332.9	1332.9	1332.9	1332.9
177.5°	1330.8	1332.9	1332.9	1332.9	1332.9
180°	1332.9	1332.9	1332.9	1332.9	1332.9



TEST NUMBER: P936042  
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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	15.10	15.86	16.16	16.92	18.36
	3H	12.74	13.42	13.81	14.49	15.95	16.44	17.12	17.50	18.18	19.64
	4H	12.93	13.58	14.01	14.65	16.11	16.87	17.52	17.95	18.59	20.05
	6H	13.04	13.64	14.13	14.71	16.19	17.15	17.75	18.24	18.82	20.30
	8H	13.04	13.61	14.13	14.70	16.17	17.22	17.79	18.31	18.88	20.35
	12H	13.01	13.55	14.11	14.63	16.12	17.26	17.79	18.35	18.88	20.37
4H	2H	13.29	13.94	14.38	15.01	16.47	15.50	16.14	16.58	17.21	18.68
	3H	14.31	14.85	15.40	15.95	17.42	16.99	17.53	18.08	18.63	20.10
	4H	14.58	15.08	15.68	16.16	17.66	17.51	18.01	18.61	19.09	20.59
	6H	14.70	15.12	15.81	16.24	17.73	17.87	18.29	18.98	19.41	20.90
	8H	14.71	15.10	15.81	16.20	17.71	17.97	18.37	19.08	19.47	20.98
	12H	14.67	15.02	15.79	16.14	17.65	18.03	18.38	19.15	19.50	21.01
8H	4H	15.03	15.42	16.13	16.53	18.03	17.63	18.02	18.73	19.13	20.63
	6H	15.28	15.61	16.41	16.76	18.26	18.06	18.39	19.19	19.53	21.04
	8H	15.33	15.61	16.46	16.74	18.26	18.21	18.50	19.34	19.62	21.15
	12H	15.31	15.56	16.44	16.68	18.24	18.30	18.55	19.44	19.68	21.24
12H	4H	15.03	15.39	16.15	16.50	18.01	17.59	17.95	18.71	19.06	20.57
	6H	15.34	15.63	16.48	16.76	18.28	18.06	18.34	19.19	19.47	20.99
	8H	15.41	15.66	16.54	16.78	18.34	18.21	18.46	19.35	19.59	21.15