

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: P935568

Luminaire Tested: SQ4-FA-125U-075D-93050-1D-UNV-STD-W-8-5000K

Issue Date: 12/17/2024

**Test Information**

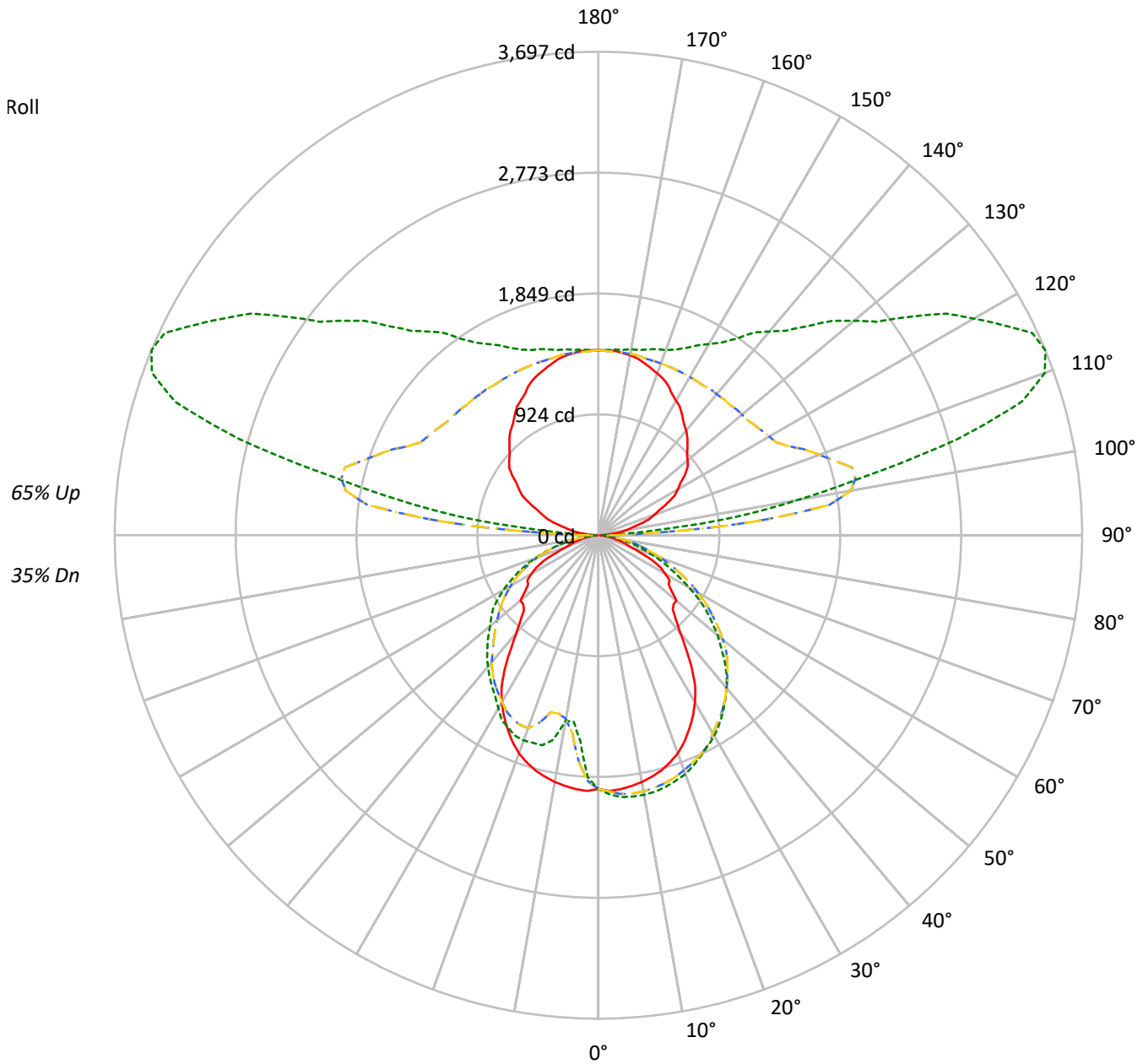
Test Method: LM-79-2019  
Report Number: P935568  
REPORT IS A COMBINATION OF REPORTS P933760 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-125U-075D-93050-1D-UNV-STD-W-8-5000K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 14214.2 lumens  
Efficiency: N/A  
Efficacy: 127.8 lumens/watt  
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36  
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 8' x H: 0.1')  
CIE Type: Semi-Indirect  
  
Input Watts (W): 111.2  
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	104	104	104	104	94	94	94	94	75	75	75	58	58	58	43	43	43	35
1	95	90	87	83	85	82	79	76	66	64	62	51	50	49	38	37	36	30
2	86	79	73	68	78	72	66	62	58	54	51	45	43	41	33	32	30	25
3	78	69	62	56	71	63	57	52	51	47	43	40	37	34	29	28	26	21
4	72	61	54	48	65	56	49	44	45	40	36	35	32	29	26	24	22	18
5	66	54	46	41	59	50	43	38	40	35	31	32	28	25	24	21	19	16
6	60	49	41	35	54	44	37	32	36	31	27	29	25	22	21	19	17	14
7	56	44	36	31	50	40	33	28	33	28	24	26	22	19	20	17	15	12
8	52	40	32	27	47	36	30	25	30	25	21	24	20	17	18	15	13	11
9	48	36	29	24	43	33	27	22	27	22	19	22	18	15	16	14	12	10
10	45	33	26	21	41	30	24	20	25	20	17	20	16	14	15	13	11	9

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

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

**MAXIMUM LUMINANCE 45°-90°:**

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



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	175.1	1.2
10°-20°	497.2	3.5
20°-30°	768.6	5.4
30°-40°	917.5	6.5
40°-50°	922.9	6.5
50°-60°	803.0	5.6
60°-70°	569.4	4.0
70°-80°	301.2	2.1
80°-90°	80.4	0.6
90°-100°	690.2	4.9
100°-110°	1814.6	12.8
110°-120°	1881.5	13.2
120°-130°	1509.2	10.6
130°-140°	1184.2	8.3
140°-150°	908.9	6.4
150°-160°	654.6	4.6
160°-170°	400.5	2.8
170°-180°	135.3	1.0
0°-30°	1440.9	10.1
0°-40°	2358.3	16.6
0°-60°	4084.3	28.7
0°-90°	5035.3	35.4
90°-120°	4386.3	30.9
90°-150°	7988.5	56.2
90°-180°	9179.0	64.6
0°-180°	14214.2	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1940	1940	1940	1940	1940	
5°	1949	2010	1949	1580	1949	185
15°	1861	1991	1861	1663	1861	524
25°	1639	1857	1639	1626	1639	753
35°	1246	1657	1246	1415	1246	771
45°	804	1365	804	1198	804	644
55°	655	1008	655	984	655	602
65°	455	608	455	679	455	435
75°	172	288	172	345	172	181
85°	29	73	29	62	29	40
90°	10	36	10	36	10	9
95°	91	417	91	417	91	101
105°	327	2841	327	2841	327	347
115°	581	3659	581	3659	581	573
125°	808	2914	808	2914	808	717
135°	963	2261	963	2261	963	745
145°	1117	1834	1117	1834	1117	700
155°	1262	1579	1262	1579	1262	580
165°	1362	1471	1362	1471	1362	384
175°	1416	1426	1416	1426	1416	134
180°	1416	1416	1416	1416	1416	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9
2.5°	1956.4	1956.4	1967.4	1971.1	1971.1	1965.6	1960.1	1965.6	1982.1	1987.6	1985.8
5°	1949.1	1963.8	1984.0	1987.6	1991.3	1989.5	1985.8	1989.5	2007.8	2011.5	2013.3
7.5°	1934.4	1961.9	1987.6	1993.1	1998.6	1993.1	1991.3	1995.0	2013.3	2017.0	2017.0
10°	1916.1	1954.6	1984.0	1987.6	1993.1	1987.6	1987.6	1995.0	2013.3	2017.0	2018.8
12.5°	1890.4	1943.6	1971.1	1974.8	1982.1	1980.3	1978.5	1985.8	2004.2	2007.8	2007.8
15°	1861.0	1923.4	1949.1	1952.8	1965.6	1961.9	1961.9	1969.3	1989.5	1995.0	1993.1
17.5°	1820.6	1897.7	1927.1	1932.6	1941.8	1939.9	1941.8	1949.1	1967.4	1971.1	1973.0
20°	1774.7	1862.8	1897.7	1903.2	1912.4	1912.4	1912.4	1921.6	1939.9	1947.3	1947.3
22.5°	1712.3	1826.1	1862.8	1866.5	1877.5	1877.5	1881.2	1894.0	1910.5	1912.4	1912.4
25°	1638.9	1785.7	1816.9	1828.0	1839.0	1844.5	1850.0	1857.3	1862.8	1861.0	1862.8
27.5°	1561.8	1734.4	1774.7	1782.1	1796.8	1802.3	1809.6	1811.4	1813.3	1818.8	1815.1
30°	1475.6	1662.8	1723.3	1730.7	1754.5	1758.2	1750.9	1754.5	1763.7	1767.4	1771.1
32.5°	1378.3	1556.3	1670.1	1686.6	1708.7	1697.6	1695.8	1701.3	1716.0	1716.0	1719.7
35°	1246.1	1473.7	1620.6	1635.2	1651.8	1638.9	1646.3	1648.1	1657.3	1662.8	1660.9
37.5°	1101.1	1402.1	1569.2	1580.2	1593.0	1576.5	1587.5	1593.0	1600.4	1596.7	1596.7
40°	972.8	1290.2	1508.6	1515.9	1527.0	1514.1	1525.1	1528.8	1532.5	1528.8	1527.0
42.5°	877.3	1167.2	1444.4	1453.5	1446.2	1455.4	1459.0	1466.4	1460.9	1453.5	1453.5
45°	803.9	1134.2	1374.6	1385.6	1374.6	1389.3	1394.8	1394.8	1378.3	1374.6	1372.8
47.5°	780.0	1068.2	1304.9	1304.9	1299.4	1317.7	1326.9	1314.0	1297.5	1292.0	1292.0
50°	778.2	994.8	1209.4	1202.1	1227.8	1249.8	1240.6	1227.8	1214.9	1194.7	1194.7
52.5°	706.6	904.8	1086.6	1114.0	1154.4	1167.2	1152.5	1139.7	1117.7	1108.5	1101.1
55°	655.2	811.2	974.6	1029.7	1071.9	1088.4	1060.9	1048.0	1015.0	1009.5	1005.8
57.5°	644.2	675.4	871.8	941.6	992.9	991.1	974.6	950.7	923.2	917.7	915.9
60°	591.0	488.2	761.7	844.3	897.5	892.0	877.3	855.3	829.6	825.9	822.3
62.5°	535.9	354.2	636.9	730.5	805.7	803.9	791.1	758.0	739.7	730.5	723.1
65°	455.2	297.3	453.3	607.5	715.8	719.5	691.9	668.1	647.9	636.9	635.0
67.5°	346.9	242.3	306.5	506.6	629.5	625.9	591.0	580.0	554.3	548.8	537.8
70°	257.0	161.5	212.9	411.1	545.1	535.9	508.4	495.6	471.7	458.8	451.5
72.5°	212.9	130.3	156.0	319.4	458.8	447.8	424.0	409.3	389.1	378.1	370.7
75°	172.5	137.7	119.3	236.8	372.6	365.2	343.2	328.5	312.0	297.3	299.2
77.5°	126.6	128.5	95.4	174.4	295.5	284.5	271.6	253.3	245.9	231.3	231.3
80°	95.4	100.9	71.6	119.3	212.9	212.9	201.9	189.0	176.2	168.9	168.9
82.5°	64.2	64.2	53.2	75.3	145.0	139.5	132.1	128.5	121.1	117.5	117.5
85°	29.4	36.7	33.0	45.9	78.9	82.6	82.6	78.9	77.1	73.4	75.3
87.5°	9.2	16.5	20.2	25.7	40.4	42.2	44.0	44.0	44.0	45.9	45.9
90°	9.5	17.2	24.7	26.6	41.8	62.1	72.2	64.1	48.1	36.1	36.1
92.5°	38.0	102.6	167.3	183.4	257.9	357.1	406.7	356.4	255.9	180.5	173.4
95°	91.2	209.5	327.8	357.4	634.5	1004.1	1188.8	1060.9	804.9	612.9	591.2
97.5°	157.8	262.1	366.4	392.5	854.6	1470.9	1779.0	1698.1	1536.3	1415.0	1373.6
100°	209.1	303.7	398.3	422.0	934.8	1618.5	1960.5	1966.3	1978.2	1987.1	1937.8
102.5°	252.7	341.0	429.3	451.4	971.6	1665.1	2011.8	2114.8	2320.9	2475.5	2433.3
105°	326.9	401.7	476.4	495.1	998.7	1670.3	2006.1	2237.1	2699.1	3045.6	3023.0
107.5°	403.0	472.6	542.3	559.7	1003.8	1596.0	1892.0	2214.3	2858.8	3342.2	3347.7
110°	454.3	517.2	580.2	595.9	996.2	1530.1	1797.0	2157.3	2877.8	3418.1	3441.8



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	504.6	564.6	624.6	639.5	996.5	1472.5	1710.5	2079.2	2816.6	3369.7	3406.0
115°	580.6	636.0	691.2	705.1	1005.7	1406.6	1607.0	1962.1	2672.5	3205.3	3255.7
117.5°	655.7	706.0	756.2	768.8	1024.4	1365.3	1535.7	1856.2	2497.3	2978.2	3034.1
120°	699.4	746.7	794.0	805.8	1039.6	1351.3	1507.1	1800.1	2385.8	2825.2	2879.5
122.5°	742.1	789.9	837.6	849.5	1061.4	1344.0	1485.3	1749.0	2276.6	2672.2	2725.7
125°	807.8	851.3	894.8	905.6	1090.9	1338.0	1461.5	1685.6	2133.7	2469.8	2519.1
127.5°	861.0	904.9	948.8	959.8	1120.4	1334.5	1441.6	1634.0	2018.7	2307.3	2348.8
130°	889.4	936.8	984.0	995.9	1141.9	1336.6	1434.0	1605.2	1947.8	2204.7	2243.1
132.5°	918.9	966.2	1013.5	1025.3	1159.3	1338.0	1427.3	1580.6	1887.2	2117.2	2151.6
135°	962.7	1005.7	1048.8	1059.6	1178.3	1336.7	1415.9	1544.3	1801.1	1993.7	2023.3
137.5°	1007.3	1049.9	1092.6	1103.3	1206.9	1345.0	1414.0	1522.5	1739.7	1902.5	1926.8
140°	1044.3	1083.6	1122.9	1132.7	1224.3	1346.4	1407.4	1501.2	1688.7	1829.3	1852.0
142.5°	1072.9	1109.2	1145.5	1154.6	1238.8	1351.2	1407.4	1489.7	1654.4	1777.9	1797.5
145°	1116.6	1148.2	1180.0	1187.9	1257.9	1351.2	1397.8	1465.2	1600.0	1701.0	1715.8
147.5°	1160.3	1191.2	1222.0	1229.7	1285.8	1360.5	1397.8	1450.9	1556.9	1636.4	1648.6
150°	1188.8	1216.7	1244.6	1251.6	1300.3	1365.3	1397.8	1442.6	1532.2	1599.4	1609.3
152.5°	1218.2	1239.3	1260.5	1265.8	1309.8	1368.5	1397.8	1436.1	1512.5	1569.9	1577.4
155°	1262.0	1277.6	1293.2	1297.2	1330.7	1375.4	1397.8	1428.3	1489.1	1534.8	1539.7
157.5°	1294.3	1309.5	1324.7	1328.5	1351.6	1382.4	1397.8	1421.5	1468.8	1504.3	1507.8
160°	1316.2	1328.0	1339.8	1342.8	1361.1	1385.6	1397.8	1418.1	1458.7	1489.1	1491.1
162.5°	1338.0	1346.8	1355.7	1357.9	1371.2	1388.9	1397.8	1414.9	1449.1	1474.8	1476.8
165°	1361.8	1369.8	1377.8	1379.8	1385.8	1393.8	1397.8	1410.1	1434.6	1453.0	1455.0
167.5°	1383.6	1387.4	1391.2	1392.1	1397.2	1404.0	1407.4	1415.4	1431.4	1443.4	1444.3
170°	1397.8	1401.7	1405.5	1406.5	1406.7	1407.2	1407.4	1415.4	1431.4	1443.4	1443.4
172.5°	1405.4	1406.3	1407.2	1407.4	1407.4	1407.4	1407.4	1413.7	1426.4	1435.9	1435.2
175°	1415.9	1415.9	1415.9	1415.9	1413.1	1409.3	1407.4	1411.4	1419.4	1425.5	1425.5
177.5°	1415.9	1415.9	1415.9	1415.9	1413.7	1410.8	1409.3	1412.4	1418.8	1423.5	1422.7
180°	1415.9	1415.9	1415.9	1415.9	1415.9	1415.9	1415.9	1415.9	1415.9	1415.9	1415.9



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9
2.5°	1989.5	1984.0	1989.5	1985.8	1987.6	1982.1	1965.6	1960.1	1965.6	1971.1	1971.1
5°	2013.3	2009.7	2013.3	2013.3	2011.5	2007.8	1989.5	1985.8	1989.5	1991.3	1987.6
7.5°	2020.7	2015.2	2020.7	2017.0	2017.0	2013.3	1995.0	1991.3	1993.1	1998.6	1993.1
10°	2020.7	2015.2	2020.7	2018.8	2017.0	2013.3	1995.0	1987.6	1987.6	1993.1	1987.6
12.5°	2011.5	2007.8	2011.5	2007.8	2007.8	2004.2	1985.8	1978.5	1980.3	1982.1	1974.8
15°	1996.8	1991.3	1996.8	1993.1	1995.0	1989.5	1969.3	1961.9	1961.9	1965.6	1952.8
17.5°	1974.8	1967.4	1974.8	1973.0	1971.1	1967.4	1949.1	1941.8	1939.9	1941.8	1932.6
20°	1949.1	1943.6	1949.1	1947.3	1947.3	1939.9	1921.6	1912.4	1912.4	1912.4	1903.2
22.5°	1908.7	1903.2	1908.7	1912.4	1912.4	1910.5	1894.0	1881.2	1877.5	1877.5	1866.5
25°	1862.8	1857.3	1862.8	1862.8	1861.0	1862.8	1857.3	1850.0	1844.5	1839.0	1828.0
27.5°	1818.8	1815.1	1818.8	1815.1	1818.8	1813.3	1811.4	1809.6	1802.3	1796.8	1782.1
30°	1774.7	1771.1	1774.7	1771.1	1767.4	1763.7	1754.5	1750.9	1758.2	1754.5	1730.7
32.5°	1719.7	1716.0	1719.7	1719.7	1716.0	1716.0	1701.3	1695.8	1697.6	1708.7	1686.6
35°	1662.8	1657.3	1662.8	1660.9	1662.8	1657.3	1648.1	1646.3	1638.9	1651.8	1635.2
37.5°	1596.7	1591.2	1596.7	1596.7	1596.7	1600.4	1593.0	1587.5	1576.5	1593.0	1580.2
40°	1528.8	1521.4	1528.8	1527.0	1528.8	1532.5	1528.8	1525.1	1514.1	1527.0	1515.9
42.5°	1451.7	1449.9	1451.7	1453.5	1453.5	1460.9	1466.4	1459.0	1455.4	1446.2	1453.5
45°	1369.1	1365.4	1369.1	1372.8	1374.6	1378.3	1394.8	1394.8	1389.3	1374.6	1385.6
47.5°	1281.0	1271.8	1281.0	1292.0	1292.0	1297.5	1314.0	1326.9	1317.7	1299.4	1304.9
50°	1187.4	1189.2	1187.4	1194.7	1194.7	1214.9	1227.8	1240.6	1249.8	1227.8	1202.1
52.5°	1095.6	1093.9	1095.6	1101.1	1108.5	1117.7	1139.7	1152.5	1167.2	1154.4	1114.0
55°	1004.0	1007.6	1004.0	1005.8	1009.5	1015.0	1048.0	1060.9	1088.4	1071.9	1029.7
57.5°	912.2	906.7	912.2	915.9	917.7	923.2	950.7	974.6	991.1	992.9	941.6
60°	805.7	798.4	805.7	822.3	825.9	829.6	855.3	877.3	892.0	897.5	844.3
62.5°	712.1	699.3	712.1	723.1	730.5	739.7	758.0	791.1	803.9	805.7	730.5
65°	613.0	607.5	613.0	635.0	636.9	647.9	668.1	691.9	719.5	715.8	607.5
67.5°	523.1	523.1	523.1	537.8	548.8	554.3	580.0	591.0	625.9	629.5	506.6
70°	440.5	438.7	440.5	451.5	458.8	471.7	495.6	508.4	535.9	545.1	411.1
72.5°	361.6	359.7	361.6	370.7	378.1	389.1	409.3	424.0	447.8	458.8	319.4
75°	291.8	288.2	291.8	299.2	297.3	312.0	328.5	343.2	365.2	372.6	236.8
77.5°	223.9	223.9	223.9	231.3	231.3	245.9	253.3	271.6	284.5	295.5	174.4
80°	167.0	165.2	167.0	168.9	168.9	176.2	189.0	201.9	212.9	212.9	119.3
82.5°	117.5	113.8	117.5	117.5	117.5	121.1	128.5	132.1	139.5	145.0	75.3
85°	73.4	73.4	73.4	75.3	73.4	77.1	78.9	82.6	82.6	78.9	45.9
87.5°	47.7	45.9	47.7	45.9	45.9	44.0	44.0	44.0	42.2	40.4	25.7
90°	36.1	36.1	36.1	36.1	36.1	48.1	64.1	72.2	62.1	41.8	26.6
92.5°	144.6	115.9	144.6	173.4	180.5	255.9	356.4	406.7	357.1	257.9	183.4
95°	504.2	417.2	504.2	591.2	612.9	804.9	1060.9	1188.8	1004.1	634.5	357.4
97.5°	1208.1	1042.5	1208.1	1373.6	1415.0	1536.3	1698.1	1779.0	1470.9	854.6	392.5
100°	1740.5	1543.3	1740.5	1937.8	1987.1	1978.2	1966.3	1960.5	1618.5	934.8	422.0
102.5°	2264.3	2095.4	2264.3	2433.3	2475.5	2320.9	2114.8	2011.8	1665.1	971.6	451.4
105°	2932.1	2841.4	2932.1	3023.0	3045.6	2699.1	2237.1	2006.1	1670.3	998.7	495.1
107.5°	3369.6	3391.5	3369.6	3347.7	3342.2	2858.8	2214.3	1892.0	1596.0	1003.8	559.7
110°	3536.4	3631.0	3536.4	3441.8	3418.1	2877.8	2157.3	1797.0	1530.1	996.2	595.9





TEST NUMBER: P935568

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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3551.3	3696.6	3551.3	3406.0	3369.7	2816.6	2079.2	1710.5	1472.5	996.5	639.5
115°	3457.1	3658.6	3457.1	3255.7	3205.3	2672.5	1962.1	1607.0	1406.6	1005.7	705.1
117.5°	3257.5	3480.9	3257.5	3034.1	2978.2	2497.3	1856.2	1535.7	1365.3	1024.4	768.8
120°	3096.6	3313.6	3096.6	2879.5	2825.2	2385.8	1800.1	1507.1	1351.3	1039.6	805.8
122.5°	2939.9	3154.0	2939.9	2725.7	2672.2	2276.6	1749.0	1485.3	1344.0	1061.4	849.5
125°	2716.4	2913.6	2716.4	2519.1	2469.8	2133.7	1685.6	1461.5	1338.0	1090.9	905.6
127.5°	2515.3	2681.7	2515.3	2348.8	2307.3	2018.7	1634.0	1441.6	1334.5	1120.4	959.8
130°	2396.8	2550.5	2396.8	2243.1	2204.7	1947.8	1605.2	1434.0	1336.6	1141.9	995.9
132.5°	2289.4	2427.0	2289.4	2151.6	2117.2	1887.2	1580.6	1427.3	1338.0	1159.3	1025.3
135°	2142.1	2260.7	2142.1	2023.3	1993.7	1801.1	1544.3	1415.9	1336.7	1178.3	1059.6
137.5°	2023.9	2121.1	2023.9	1926.8	1902.5	1739.7	1522.5	1414.0	1345.0	1206.9	1103.3
140°	1942.9	2033.6	1942.9	1852.0	1829.3	1688.7	1501.2	1407.4	1346.4	1224.3	1132.7
142.5°	1875.6	1953.8	1875.6	1797.5	1777.9	1654.4	1489.7	1407.4	1351.2	1238.8	1154.6
145°	1774.9	1834.0	1774.9	1715.8	1701.0	1600.0	1465.2	1397.8	1351.2	1257.9	1187.9
147.5°	1697.6	1746.6	1697.6	1648.6	1636.4	1556.9	1450.9	1397.8	1360.5	1285.8	1229.7
150°	1649.0	1688.7	1649.0	1609.3	1599.4	1532.2	1442.6	1397.8	1365.3	1300.3	1251.6
152.5°	1607.3	1637.4	1607.3	1577.4	1569.9	1512.5	1436.1	1397.8	1368.5	1309.8	1265.8
155°	1559.5	1579.4	1559.5	1539.7	1534.8	1489.1	1428.3	1397.8	1375.4	1330.7	1297.2
157.5°	1521.7	1535.7	1521.7	1507.8	1504.3	1468.8	1421.5	1397.8	1382.4	1351.6	1328.5
160°	1499.1	1507.1	1499.1	1491.1	1489.1	1458.7	1418.1	1397.8	1385.6	1361.1	1342.8
162.5°	1484.4	1492.0	1484.4	1476.8	1474.8	1449.1	1414.9	1397.8	1388.9	1371.2	1357.9
165°	1463.0	1471.1	1463.0	1455.0	1453.0	1434.6	1410.1	1397.8	1393.8	1385.8	1379.8
167.5°	1447.7	1451.1	1447.7	1444.3	1443.4	1431.4	1415.4	1407.4	1404.0	1397.2	1392.1
170°	1443.4	1443.4	1443.4	1443.4	1443.4	1431.4	1415.4	1407.4	1407.2	1406.7	1406.5
172.5°	1432.2	1429.2	1432.2	1435.2	1435.9	1426.4	1413.7	1407.4	1407.4	1407.4	1407.4
175°	1425.5	1425.5	1425.5	1425.5	1425.5	1419.4	1411.4	1407.4	1409.3	1413.1	1415.9
177.5°	1419.3	1415.9	1419.3	1422.7	1423.5	1418.8	1412.4	1409.3	1410.8	1413.7	1415.9
180°	1415.9	1415.9	1415.9	1415.9	1415.9	1415.9	1415.9	1415.9	1415.9	1415.9	1415.9



TEST NUMBER: P935568

CATALOG NUMBER: SQ4-FA-125U-075D-93050-1D-UNV-STD-W-8-5000K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9
2.5°	1967.4	1956.4	1956.4	1938.1	1930.7	1925.2	1916.1	1888.5	1881.2	1873.8	1884.9
5°	1984.0	1963.8	1949.1	1916.1	1888.5	1877.5	1842.6	1776.6	1732.5	1699.5	1681.1
7.5°	1987.6	1961.9	1934.4	1883.0	1816.9	1787.6	1681.1	1560.0	1527.0	1497.6	1479.2
10°	1984.0	1954.6	1916.1	1839.0	1683.0	1631.6	1525.1	1446.2	1426.0	1420.5	1426.0
12.5°	1971.1	1943.6	1890.4	1761.9	1543.5	1508.6	1446.2	1400.3	1396.6	1405.8	1455.4
15°	1949.1	1923.4	1861.0	1659.1	1466.4	1440.7	1396.6	1380.1	1400.3	1464.5	1613.2
17.5°	1927.1	1897.7	1820.6	1558.2	1407.7	1389.3	1358.1	1391.1	1504.9	1591.2	1640.7
20°	1897.7	1862.8	1774.7	1484.7	1365.4	1348.9	1334.2	1482.9	1569.2	1600.4	1627.9
22.5°	1862.8	1826.1	1712.3	1433.3	1321.4	1308.5	1317.7	1534.3	1569.2	1591.2	1615.1
25°	1816.9	1785.7	1638.9	1393.0	1286.5	1271.8	1306.7	1528.8	1549.0	1554.5	1602.2
27.5°	1774.7	1734.4	1561.8	1356.3	1244.3	1238.8	1315.9	1504.9	1519.6	1525.1	1576.5
30°	1723.3	1662.8	1475.6	1317.7	1200.3	1198.4	1317.7	1475.6	1471.9	1486.6	1538.0
32.5°	1670.1	1556.3	1378.3	1270.0	1158.0	1156.2	1304.9	1431.5	1427.8	1448.0	1486.6
35°	1620.6	1473.7	1246.1	1214.9	1104.8	1106.6	1273.7	1380.1	1382.0	1400.3	1424.2
37.5°	1569.2	1402.1	1101.1	1154.4	1053.5	1053.5	1231.5	1332.4	1328.7	1334.2	1367.3
40°	1508.6	1290.2	972.8	1075.5	1005.8	1000.3	1180.1	1281.0	1268.2	1266.3	1312.2
42.5°	1444.4	1167.2	877.3	970.9	950.7	943.4	1117.7	1218.6	1194.7	1200.3	1259.0
45°	1374.6	1134.2	803.9	820.4	893.8	888.3	1049.8	1147.0	1130.5	1145.2	1205.8
47.5°	1304.9	1068.2	780.0	680.9	833.3	831.4	974.6	1077.4	1068.2	1082.9	1147.0
50°	1209.4	994.8	778.2	583.7	765.4	772.7	884.7	1009.5	1009.5	1022.3	1090.2
52.5°	1086.6	904.8	706.6	528.6	686.4	708.5	805.7	950.7	954.4	967.3	1027.8
55°	974.6	811.2	655.2	486.4	592.8	640.6	728.6	890.2	897.5	910.4	965.4
57.5°	871.8	675.4	644.2	436.8	506.6	552.5	660.7	831.4	835.1	846.1	899.3
60°	761.7	488.2	591.0	383.6	431.3	466.2	598.3	761.7	774.5	781.9	827.8
62.5°	636.9	354.2	535.9	346.9	394.6	402.0	546.9	695.6	712.1	717.6	745.2
65°	453.3	297.3	455.2	315.7	356.1	357.9	491.9	627.7	642.4	651.6	671.8
67.5°	306.5	242.3	346.9	286.3	326.7	328.5	438.7	548.8	569.0	576.3	589.2
70°	212.9	161.5	257.0	255.1	293.7	297.3	381.8	477.2	495.6	501.1	508.4
72.5°	156.0	130.3	212.9	229.4	258.8	262.5	323.0	396.4	414.8	420.3	424.0
75°	119.3	137.7	172.5	200.1	220.2	222.1	264.3	323.0	335.9	339.5	341.4
77.5°	95.4	128.5	126.6	161.5	179.9	176.2	207.4	249.6	260.6	260.6	260.6
80°	71.6	100.9	95.4	115.6	132.1	128.5	148.7	178.0	181.7	185.4	183.5
82.5°	53.2	64.2	64.2	73.4	88.1	84.4	99.1	115.6	115.6	115.6	119.3
85°	33.0	36.7	29.4	38.5	49.6	47.7	55.1	62.4	64.2	64.2	60.6
87.5°	20.2	16.5	9.2	14.7	22.0	22.0	25.7	27.5	25.7	25.7	25.7
90°	24.7	17.2	9.5	17.2	24.7	26.6	41.8	62.1	72.2	64.1	48.1
92.5°	167.3	102.6	38.0	102.6	167.3	183.4	257.9	357.1	406.7	356.4	255.9
95°	327.8	209.5	91.2	209.5	327.8	357.4	634.5	1004.1	1188.8	1060.9	804.9
97.5°	366.4	262.1	157.8	262.1	366.4	392.5	854.6	1470.9	1779.0	1698.1	1536.3
100°	398.3	303.7	209.1	303.7	398.3	422.0	934.8	1618.5	1960.5	1966.3	1978.2
102.5°	429.3	341.0	252.7	341.0	429.3	451.4	971.6	1665.1	2011.8	2114.8	2320.9
105°	476.4	401.7	326.9	401.7	476.4	495.1	998.7	1670.3	2006.1	2237.1	2699.1
107.5°	542.3	472.6	403.0	472.6	542.3	559.7	1003.8	1596.0	1892.0	2214.3	2858.8
110°	580.2	517.2	454.3	517.2	580.2	595.9	996.2	1530.1	1797.0	2157.3	2877.8



TEST NUMBER: P935568

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**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	624.6	564.6	504.6	564.6	624.6	639.5	996.5	1472.5	1710.5	2079.2	2816.6
115°	691.2	636.0	580.6	636.0	691.2	705.1	1005.7	1406.6	1607.0	1962.1	2672.5
117.5°	756.2	706.0	655.7	706.0	756.2	768.8	1024.4	1365.3	1535.7	1856.2	2497.3
120°	794.0	746.7	699.4	746.7	794.0	805.8	1039.6	1351.3	1507.1	1800.1	2385.8
122.5°	837.6	789.9	742.1	789.9	837.6	849.5	1061.4	1344.0	1485.3	1749.0	2276.6
125°	894.8	851.3	807.8	851.3	894.8	905.6	1090.9	1338.0	1461.5	1685.6	2133.7
127.5°	948.8	904.9	861.0	904.9	948.8	959.8	1120.4	1334.5	1441.6	1634.0	2018.7
130°	984.0	936.8	889.4	936.8	984.0	995.9	1141.9	1336.6	1434.0	1605.2	1947.8
132.5°	1013.5	966.2	918.9	966.2	1013.5	1025.3	1159.3	1338.0	1427.3	1580.6	1887.2
135°	1048.8	1005.7	962.7	1005.7	1048.8	1059.6	1178.3	1336.7	1415.9	1544.3	1801.1
137.5°	1092.6	1049.9	1007.3	1049.9	1092.6	1103.3	1206.9	1345.0	1414.0	1522.5	1739.7
140°	1122.9	1083.6	1044.3	1083.6	1122.9	1132.7	1224.3	1346.4	1407.4	1501.2	1688.7
142.5°	1145.5	1109.2	1072.9	1109.2	1145.5	1154.6	1238.8	1351.2	1407.4	1489.7	1654.4
145°	1180.0	1148.2	1116.6	1148.2	1180.0	1187.9	1257.9	1351.2	1397.8	1465.2	1600.0
147.5°	1222.0	1191.2	1160.3	1191.2	1222.0	1229.7	1285.8	1360.5	1397.8	1450.9	1556.9
150°	1244.6	1216.7	1188.8	1216.7	1244.6	1251.6	1300.3	1365.3	1397.8	1442.6	1532.2
152.5°	1260.5	1239.3	1218.2	1239.3	1260.5	1265.8	1309.8	1368.5	1397.8	1436.1	1512.5
155°	1293.2	1277.6	1262.0	1277.6	1293.2	1297.2	1330.7	1375.4	1397.8	1428.3	1489.1
157.5°	1324.7	1309.5	1294.3	1309.5	1324.7	1328.5	1351.6	1382.4	1397.8	1421.5	1468.8
160°	1339.8	1328.0	1316.2	1328.0	1339.8	1342.8	1361.1	1385.6	1397.8	1418.1	1458.7
162.5°	1355.7	1346.8	1338.0	1346.8	1355.7	1357.9	1371.2	1388.9	1397.8	1414.9	1449.1
165°	1377.8	1369.8	1361.8	1369.8	1377.8	1379.8	1385.8	1393.8	1397.8	1410.1	1434.6
167.5°	1391.2	1387.4	1383.6	1387.4	1391.2	1392.1	1397.2	1404.0	1407.4	1415.4	1431.4
170°	1405.5	1401.7	1397.8	1401.7	1405.5	1406.5	1406.7	1407.2	1407.4	1415.4	1431.4
172.5°	1407.2	1406.3	1405.4	1406.3	1407.2	1407.4	1407.4	1407.4	1407.4	1413.7	1426.4
175°	1415.9	1415.9	1415.9	1415.9	1415.9	1415.9	1413.1	1409.3	1407.4	1411.4	1419.4
177.5°	1415.9	1415.9	1415.9	1415.9	1415.9	1415.9	1413.7	1410.8	1409.3	1412.4	1418.8
180°	1415.9	1415.9	1415.9	1415.9	1415.9	1415.9	1415.9	1415.9	1415.9	1415.9	1415.9



TEST NUMBER: P935568

CATALOG NUMBER: SQ4-FA-125U-075D-93050-1D-UNV-STD-W-8-5000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9
2.5°	1872.0	1866.5	1873.8	1853.7	1873.8	1866.5	1872.0	1884.9	1873.8	1881.2	1888.5
5°	1642.6	1633.4	1604.0	1580.2	1604.0	1633.4	1642.6	1681.1	1699.5	1732.5	1776.6
7.5°	1468.2	1460.9	1453.5	1438.9	1453.5	1460.9	1468.2	1479.2	1497.6	1527.0	1560.0
10°	1429.7	1431.5	1442.5	1440.7	1442.5	1431.5	1429.7	1426.0	1420.5	1426.0	1446.2
12.5°	1528.8	1545.3	1605.9	1602.2	1605.9	1545.3	1528.8	1455.4	1405.8	1396.6	1400.3
15°	1642.6	1648.1	1660.9	1662.8	1660.9	1648.1	1642.6	1613.2	1464.5	1400.3	1380.1
17.5°	1653.6	1655.4	1664.6	1664.6	1664.6	1655.4	1653.6	1640.7	1591.2	1504.9	1391.1
20°	1644.4	1648.1	1666.4	1670.1	1666.4	1648.1	1644.4	1627.9	1600.4	1569.2	1482.9
22.5°	1640.7	1648.1	1662.8	1660.9	1662.8	1648.1	1640.7	1615.1	1591.2	1569.2	1534.3
25°	1622.4	1622.4	1624.2	1626.1	1624.2	1622.4	1622.4	1602.2	1554.5	1549.0	1528.8
27.5°	1583.8	1587.5	1598.5	1596.7	1598.5	1587.5	1583.8	1576.5	1525.1	1519.6	1504.9
30°	1549.0	1545.3	1536.1	1528.8	1536.1	1545.3	1549.0	1538.0	1486.6	1471.9	1475.6
32.5°	1490.2	1481.1	1471.9	1466.4	1471.9	1481.1	1490.2	1486.6	1448.0	1427.8	1431.5
35°	1420.5	1422.3	1420.5	1415.0	1420.5	1422.3	1420.5	1424.2	1400.3	1382.0	1380.1
37.5°	1370.9	1374.6	1372.8	1365.4	1372.8	1374.6	1370.9	1367.3	1334.2	1328.7	1332.4
40°	1319.6	1321.4	1319.6	1314.0	1319.6	1321.4	1319.6	1312.2	1266.3	1268.2	1281.0
42.5°	1270.0	1268.2	1262.7	1259.0	1262.7	1268.2	1270.0	1259.0	1200.3	1194.7	1218.6
45°	1213.1	1214.9	1203.9	1198.4	1203.9	1214.9	1213.1	1205.8	1145.2	1130.5	1147.0
47.5°	1156.2	1156.2	1147.0	1141.5	1147.0	1156.2	1156.2	1147.0	1082.9	1068.2	1077.4
50°	1095.6	1093.9	1081.0	1079.2	1081.0	1093.9	1095.6	1090.2	1022.3	1009.5	1009.5
52.5°	1026.0	1026.0	1027.8	1031.5	1027.8	1026.0	1026.0	1027.8	967.3	954.4	950.7
55°	965.4	967.3	980.1	983.8	980.1	967.3	965.4	965.4	910.4	897.5	890.2
57.5°	903.0	903.0	912.2	912.2	912.2	903.0	903.0	899.3	846.1	835.1	831.4
60°	831.4	835.1	842.4	840.6	842.4	835.1	831.4	827.8	781.9	774.5	761.7
62.5°	756.2	759.9	761.7	758.0	761.7	759.9	756.2	745.2	717.6	712.1	695.6
65°	677.3	680.9	682.8	679.1	682.8	680.9	677.3	671.8	651.6	642.4	627.7
67.5°	596.5	594.7	592.8	600.2	592.8	594.7	596.5	589.2	576.3	569.0	548.8
70°	513.9	513.9	512.1	515.7	512.1	513.9	513.9	508.4	501.1	495.6	477.2
72.5°	425.8	424.0	431.3	425.8	431.3	424.0	425.8	424.0	420.3	414.8	396.4
75°	339.5	343.2	339.5	345.1	339.5	343.2	339.5	341.4	339.5	335.9	323.0
77.5°	258.8	262.5	258.8	258.8	258.8	262.5	258.8	260.6	260.6	260.6	249.6
80°	183.5	181.7	181.7	179.9	181.7	181.7	183.5	183.5	185.4	181.7	178.0
82.5°	117.5	115.6	115.6	119.3	115.6	115.6	117.5	119.3	115.6	115.6	115.6
85°	64.2	66.1	62.4	62.4	62.4	66.1	64.2	60.6	64.2	64.2	62.4
87.5°	23.9	22.0	22.0	22.0	22.0	22.0	23.9	25.7	25.7	25.7	27.5
90°	36.1	36.1	36.1	36.1	36.1	36.1	36.1	48.1	64.1	72.2	62.1
92.5°	180.5	173.4	144.6	115.9	144.6	173.4	180.5	255.9	356.4	406.7	357.1
95°	612.9	591.2	504.2	417.2	504.2	591.2	612.9	804.9	1060.9	1188.8	1004.1
97.5°	1415.0	1373.6	1208.1	1042.5	1208.1	1373.6	1415.0	1536.3	1698.1	1779.0	1470.9
100°	1987.1	1937.8	1740.5	1543.3	1740.5	1937.8	1987.1	1978.2	1966.3	1960.5	1618.5
102.5°	2475.5	2433.3	2264.3	2095.4	2264.3	2433.3	2475.5	2320.9	2114.8	2011.8	1665.1
105°	3045.6	3023.0	2932.1	2841.4	2932.1	3023.0	3045.6	2699.1	2237.1	2006.1	1670.3
107.5°	3342.2	3347.7	3369.6	3391.5	3369.6	3347.7	3342.2	2858.8	2214.3	1892.0	1596.0
110°	3418.1	3441.8	3536.4	3631.0	3536.4	3441.8	3418.1	2877.8	2157.3	1797.0	1530.1



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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3369.7	3406.0	3551.3	3696.6	3551.3	3406.0	3369.7	2816.6	2079.2	1710.5	1472.5
115°	3205.3	3255.7	3457.1	3658.6	3457.1	3255.7	3205.3	2672.5	1962.1	1607.0	1406.6
117.5°	2978.2	3034.1	3257.5	3480.9	3257.5	3034.1	2978.2	2497.3	1856.2	1535.7	1365.3
120°	2825.2	2879.5	3096.6	3313.6	3096.6	2879.5	2825.2	2385.8	1800.1	1507.1	1351.3
122.5°	2672.2	2725.7	2939.9	3154.0	2939.9	2725.7	2672.2	2276.6	1749.0	1485.3	1344.0
125°	2469.8	2519.1	2716.4	2913.6	2716.4	2519.1	2469.8	2133.7	1685.6	1461.5	1338.0
127.5°	2307.3	2348.8	2515.3	2681.7	2515.3	2348.8	2307.3	2018.7	1634.0	1441.6	1334.5
130°	2204.7	2243.1	2396.8	2550.5	2396.8	2243.1	2204.7	1947.8	1605.2	1434.0	1336.6
132.5°	2117.2	2151.6	2289.4	2427.0	2289.4	2151.6	2117.2	1887.2	1580.6	1427.3	1338.0
135°	1993.7	2023.3	2142.1	2260.7	2142.1	2023.3	1993.7	1801.1	1544.3	1415.9	1336.7
137.5°	1902.5	1926.8	2023.9	2121.1	2023.9	1926.8	1902.5	1739.7	1522.5	1414.0	1345.0
140°	1829.3	1852.0	1942.9	2033.6	1942.9	1852.0	1829.3	1688.7	1501.2	1407.4	1346.4
142.5°	1777.9	1797.5	1875.6	1953.8	1875.6	1797.5	1777.9	1654.4	1489.7	1407.4	1351.2
145°	1701.0	1715.8	1774.9	1834.0	1774.9	1715.8	1701.0	1600.0	1465.2	1397.8	1351.2
147.5°	1636.4	1648.6	1697.6	1746.6	1697.6	1648.6	1636.4	1556.9	1450.9	1397.8	1360.5
150°	1599.4	1609.3	1649.0	1688.7	1649.0	1609.3	1599.4	1532.2	1442.6	1397.8	1365.3
152.5°	1569.9	1577.4	1607.3	1637.4	1607.3	1577.4	1569.9	1512.5	1436.1	1397.8	1368.5
155°	1534.8	1539.7	1559.5	1579.4	1559.5	1539.7	1534.8	1489.1	1428.3	1397.8	1375.4
157.5°	1504.3	1507.8	1521.7	1535.7	1521.7	1507.8	1504.3	1468.8	1421.5	1397.8	1382.4
160°	1489.1	1491.1	1499.1	1507.1	1499.1	1491.1	1489.1	1458.7	1418.1	1397.8	1385.6
162.5°	1474.8	1476.8	1484.4	1492.0	1484.4	1476.8	1474.8	1449.1	1414.9	1397.8	1388.9
165°	1453.0	1455.0	1463.0	1471.1	1463.0	1455.0	1453.0	1434.6	1410.1	1397.8	1393.8
167.5°	1443.4	1444.3	1447.7	1451.1	1447.7	1444.3	1443.4	1431.4	1415.4	1407.4	1404.0
170°	1443.4	1443.4	1443.4	1443.4	1443.4	1443.4	1443.4	1431.4	1415.4	1407.4	1407.2
172.5°	1435.9	1435.2	1432.2	1429.2	1432.2	1435.2	1435.9	1426.4	1413.7	1407.4	1407.4
175°	1425.5	1425.5	1425.5	1425.5	1425.5	1425.5	1425.5	1419.4	1411.4	1407.4	1409.3
177.5°	1423.5	1422.7	1419.3	1415.9	1419.3	1422.7	1423.5	1418.8	1412.4	1409.3	1410.8
180°	1415.9	1415.9	1415.9	1415.9	1415.9	1415.9	1415.9	1415.9	1415.9	1415.9	1415.9



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	1939.9	1939.9	1939.9	1939.9	1939.9
2.5°	1916.1	1925.2	1930.7	1938.1	1956.4
5°	1842.6	1877.5	1888.5	1916.1	1949.1
7.5°	1681.1	1787.6	1816.9	1883.0	1934.4
10°	1525.1	1631.6	1683.0	1839.0	1916.1
12.5°	1446.2	1508.6	1543.5	1761.9	1890.4
15°	1396.6	1440.7	1466.4	1659.1	1861.0
17.5°	1358.1	1389.3	1407.7	1558.2	1820.6
20°	1334.2	1348.9	1365.4	1484.7	1774.7
22.5°	1317.7	1308.5	1321.4	1433.3	1712.3
25°	1306.7	1271.8	1286.5	1393.0	1638.9
27.5°	1315.9	1238.8	1244.3	1356.3	1561.8
30°	1317.7	1198.4	1200.3	1317.7	1475.6
32.5°	1304.9	1156.2	1158.0	1270.0	1378.3
35°	1273.7	1106.6	1104.8	1214.9	1246.1
37.5°	1231.5	1053.5	1053.5	1154.4	1101.1
40°	1180.1	1000.3	1005.8	1075.5	972.8
42.5°	1117.7	943.4	950.7	970.9	877.3
45°	1049.8	888.3	893.8	820.4	803.9
47.5°	974.6	831.4	833.3	680.9	780.0
50°	884.7	772.7	765.4	583.7	778.2
52.5°	805.7	708.5	686.4	528.6	706.6
55°	728.6	640.6	592.8	486.4	655.2
57.5°	660.7	552.5	506.6	436.8	644.2
60°	598.3	466.2	431.3	383.6	591.0
62.5°	546.9	402.0	394.6	346.9	535.9
65°	491.9	357.9	356.1	315.7	455.2
67.5°	438.7	328.5	326.7	286.3	346.9
70°	381.8	297.3	293.7	255.1	257.0
72.5°	323.0	262.5	258.8	229.4	212.9
75°	264.3	222.1	220.2	200.1	172.5
77.5°	207.4	176.2	179.9	161.5	126.6
80°	148.7	128.5	132.1	115.6	95.4
82.5°	99.1	84.4	88.1	73.4	64.2
85°	55.1	47.7	49.6	38.5	29.4
87.5°	25.7	22.0	22.0	14.7	9.2
90°	41.8	26.6	24.7	17.2	9.5
92.5°	257.9	183.4	167.3	102.6	38.0
95°	634.5	357.4	327.8	209.5	91.2
97.5°	854.6	392.5	366.4	262.1	157.8
100°	934.8	422.0	398.3	303.7	209.1
102.5°	971.6	451.4	429.3	341.0	252.7
105°	998.7	495.1	476.4	401.7	326.9
107.5°	1003.8	559.7	542.3	472.6	403.0
110°	996.2	595.9	580.2	517.2	454.3



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CATALOG NUMBER: SQ4-FA-125U-075D-93050-1D-UNV-STD-W-8-5000K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	996.5	639.5	624.6	564.6	504.6
115°	1005.7	705.1	691.2	636.0	580.6
117.5°	1024.4	768.8	756.2	706.0	655.7
120°	1039.6	805.8	794.0	746.7	699.4
122.5°	1061.4	849.5	837.6	789.9	742.1
125°	1090.9	905.6	894.8	851.3	807.8
127.5°	1120.4	959.8	948.8	904.9	861.0
130°	1141.9	995.9	984.0	936.8	889.4
132.5°	1159.3	1025.3	1013.5	966.2	918.9
135°	1178.3	1059.6	1048.8	1005.7	962.7
137.5°	1206.9	1103.3	1092.6	1049.9	1007.3
140°	1224.3	1132.7	1122.9	1083.6	1044.3
142.5°	1238.8	1154.6	1145.5	1109.2	1072.9
145°	1257.9	1187.9	1180.0	1148.2	1116.6
147.5°	1285.8	1229.7	1222.0	1191.2	1160.3
150°	1300.3	1251.6	1244.6	1216.7	1188.8
152.5°	1309.8	1265.8	1260.5	1239.3	1218.2
155°	1330.7	1297.2	1293.2	1277.6	1262.0
157.5°	1351.6	1328.5	1324.7	1309.5	1294.3
160°	1361.1	1342.8	1339.8	1328.0	1316.2
162.5°	1371.2	1357.9	1355.7	1346.8	1338.0
165°	1385.8	1379.8	1377.8	1369.8	1361.8
167.5°	1397.2	1392.1	1391.2	1387.4	1383.6
170°	1406.7	1406.5	1405.5	1401.7	1397.8
172.5°	1407.4	1407.4	1407.2	1406.3	1405.4
175°	1413.1	1415.9	1415.9	1415.9	1415.9
177.5°	1413.7	1415.9	1415.9	1415.9	1415.9
180°	1415.9	1415.9	1415.9	1415.9	1415.9



TEST NUMBER: P935568  
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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	10.92	11.66	11.99	12.74	14.20	13.76	14.50	14.83	15.58	17.04
	3H	11.39	12.05	12.47	13.14	14.62	15.10	15.76	16.18	16.85	18.33
	4H	11.57	12.20	12.67	13.29	14.78	15.54	16.17	16.63	17.25	18.74
	6H	11.69	12.27	12.79	13.35	14.86	15.82	16.40	16.92	17.49	18.99
	8H	11.68	12.24	12.79	13.34	14.84	15.89	16.44	17.00	17.55	19.04
	12H	11.65	12.18	12.76	13.27	14.79	15.92	16.45	17.04	17.55	19.07
4H	2H	11.94	12.57	13.04	13.66	15.14	14.15	14.78	15.25	15.87	17.36
	3H	12.96	13.48	14.06	14.59	16.10	15.65	16.18	16.76	17.29	18.79
	4H	13.23	13.71	14.34	14.81	16.33	16.17	16.66	17.28	17.76	19.28
	6H	13.34	13.76	14.46	14.88	16.40	16.53	16.95	17.65	18.07	19.59
	8H	13.35	13.73	14.47	14.85	16.38	16.64	17.03	17.76	18.14	19.67
	12H	13.31	13.66	14.44	14.79	16.32	16.69	17.04	17.83	18.17	19.71
8H	4H	13.67	14.06	14.79	15.17	16.71	16.29	16.67	17.41	17.79	19.32
	6H	13.93	14.25	15.07	15.41	16.93	16.72	17.04	17.86	18.20	19.73
	8H	13.97	14.25	15.12	15.39	16.94	16.87	17.15	18.02	18.29	19.84
	12H	13.95	14.19	15.10	15.33	16.91	16.97	17.21	18.12	18.35	19.93
12H	4H	13.67	14.02	14.81	15.15	16.69	16.25	16.60	17.38	17.73	19.26
	6H	13.99	14.27	15.13	15.41	16.95	16.72	17.00	17.86	18.14	19.68
	8H	14.05	14.30	15.20	15.43	17.01	16.87	17.12	18.03	18.26	19.84