

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: P934680

Luminaire Tested: SQ4-FA-075U-050D-B2750-1D-UNV-STD-W-12-4000K

Issue Date: 12/17/2024

**Test Information**

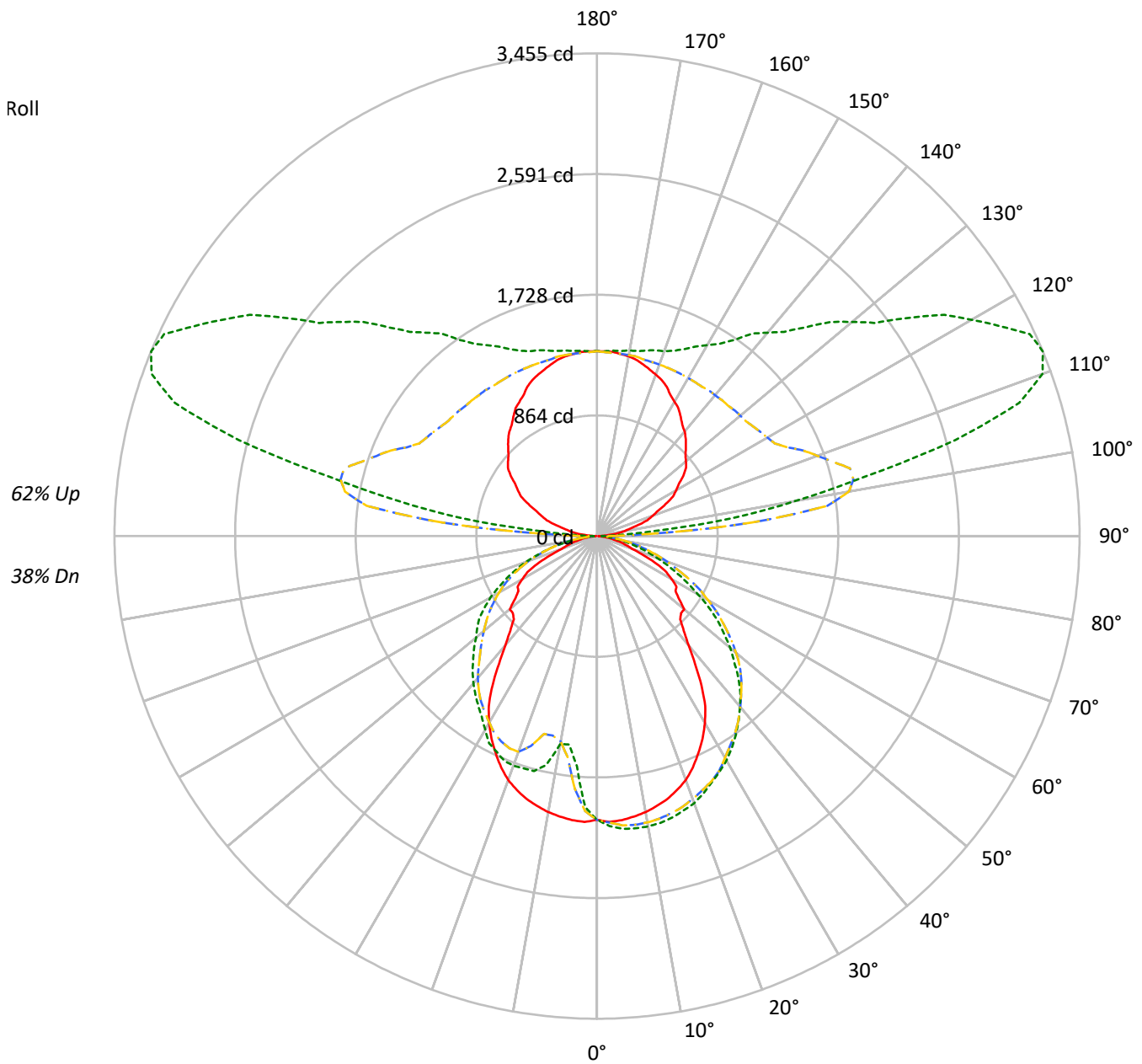
Test Method: LM-79-2019  
Report Number: P934680  
REPORT IS A COMBINATION OF REPORTS P933705 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-075U-050D-B2750-1D-UNV-STD-W-12-4000K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 13849.4 lumens  
Efficiency: N/A  
Efficacy: 134.2 lumens/watt  
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36  
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 12' x H: 0.1')  
CIE Type: Semi-Indirect  
  
Input Watts (W): 103.2  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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	50	30	10	0
RCR																					
0	104	104	104	104	95	95	95	95	77	77	77	60	60	60	45	45	45	38			38
1	95	91	87	84	86	83	79	77	67	65	63	53	52	50	40	39	38	32			32
2	87	79	73	68	78	72	67	63	59	55	52	47	44	42	35	34	32	27			27
3	79	70	63	57	71	64	57	52	52	47	44	41	38	35	31	29	27	23			23
4	72	62	54	48	65	56	50	44	46	41	37	37	33	30	28	25	24	20			20
5	66	55	47	41	60	50	43	38	41	36	32	33	29	26	25	22	20	17			17
6	61	49	41	35	55	45	38	33	37	32	28	30	26	23	23	20	18	15			15
7	56	44	36	31	51	40	34	29	33	28	24	27	23	20	21	18	16	13			13
8	52	40	32	27	47	37	30	25	30	25	22	24	21	18	19	16	14	12			12
9	48	36	29	24	44	33	27	22	28	23	19	22	19	16	17	15	13	11			11
10	45	33	26	22	41	31	24	20	26	21	17	21	17	14	16	14	12	10			10

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

	0°	90°	180°	270°
0°	6282	6282	6282	6282
5°	6331	6341	6331	4986
10°	6291	6246	6291	4466
15°	6225	6111	6225	5103
20°	6097	5951	6097	5114
25°	5833	5717	5833	5005
30°	5491	5523	5491	4768
35°	4898	5277	4898	4506
40°	4083	4988	4083	4308
45°	3651	4650	3651	4081
50°	3882	4246	3882	3853
55°	3656	3812	3656	3721
60°	3773	3237	3773	3408
65°	3426	2676	3426	2991
70°	2378	2133	2378	2508
75°	2093	1577	2093	1888
80°	1699	1043	1699	1135
85°	998	552	998	469

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 5592 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	183.3	1.3
10°-20°	520.5	3.8
20°-30°	804.6	5.8
30°-40°	960.6	6.9
40°-50°	966.2	7.0
50°-60°	840.7	6.1
60°-70°	596.1	4.3
70°-80°	315.4	2.3
80°-90°	83.6	0.6
90°-100°	645.1	4.7
100°-110°	1695.9	12.2
110°-120°	1758.4	12.7
120°-130°	1410.5	10.2
130°-140°	1106.7	8.0
140°-150°	849.4	6.1
150°-160°	611.7	4.4
160°-170°	374.3	2.7
170°-180°	126.5	0.9
0°-30°	1508.5	10.9
0°-40°	2469.0	17.8
0°-60°	4275.9	30.9
0°-90°	5270.9	38.1
90°-120°	4099.3	29.6
90°-150°	7466.0	53.9
90°-180°	8578.0	61.9
0°-180°	13849.4	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	2031	2031	2031	2031	2031	
5°	2040	2104	2040	1654	2040	194
15°	1948	2085	1948	1741	1948	548
25°	1716	1944	1716	1702	1716	788
35°	1305	1735	1305	1481	1305	807
45°	842	1430	842	1255	842	674
55°	686	1055	686	1030	686	630
65°	476	636	476	711	476	455
75°	181	302	181	361	181	190
85°	31	77	31	65	31	42
90°	9	34	9	34	9	9
95°	85	390	85	390	85	95
105°	306	2656	306	2656	306	324
115°	543	3419	543	3419	543	536
125°	755	2723	755	2723	755	670
135°	900	2113	900	2113	900	696
145°	1044	1714	1044	1714	1044	654
155°	1179	1476	1179	1476	1179	542
165°	1273	1375	1273	1375	1273	359
175°	1323	1332	1323	1332	1323	126
180°	1323	1323	1323	1323	1323	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2030.9	2030.9	2030.9	2030.9	2030.9	2030.9	2030.9	2030.9	2030.9	2030.9	2030.9
2.5°	2048.2	2048.2	2059.7	2063.6	2063.6	2057.8	2052.1	2057.8	2075.1	2080.8	2078.9
5°	2040.5	2055.9	2077.0	2080.8	2084.8	2082.9	2078.9	2082.9	2102.1	2105.9	2107.8
7.5°	2025.2	2054.0	2080.8	2086.7	2092.4	2086.7	2084.8	2088.6	2107.8	2111.6	2111.6
10°	2006.0	2046.3	2077.0	2080.8	2086.7	2080.8	2080.8	2088.6	2107.8	2111.6	2113.6
12.5°	1979.0	2034.8	2063.6	2067.5	2075.1	2073.2	2071.3	2078.9	2098.2	2102.1	2102.1
15°	1948.3	2013.6	2040.5	2044.4	2057.8	2054.0	2054.0	2061.7	2082.9	2088.6	2086.7
17.5°	1906.1	1986.8	2017.5	2023.3	2032.9	2030.9	2032.9	2040.5	2059.7	2063.6	2065.6
20°	1858.0	1950.2	1986.8	1992.5	2002.2	2002.2	2002.2	2011.7	2030.9	2038.6	2038.6
22.5°	1792.7	1911.8	1950.2	1954.1	1965.6	1965.6	1969.5	1982.9	2000.2	2002.2	2002.2
25°	1715.8	1869.5	1902.2	1913.7	1925.3	1931.0	1936.8	1944.5	1950.2	1948.3	1950.2
27.5°	1635.2	1815.7	1858.0	1865.7	1881.1	1886.8	1894.5	1896.4	1898.3	1904.1	1900.3
30°	1544.8	1740.8	1804.2	1811.9	1836.8	1840.8	1833.0	1836.8	1846.5	1850.3	1854.1
32.5°	1443.0	1629.3	1748.5	1765.8	1788.8	1777.4	1775.3	1781.2	1796.5	1796.5	1800.4
35°	1304.6	1542.9	1696.7	1712.0	1729.3	1715.8	1723.5	1725.4	1735.0	1740.8	1738.9
37.5°	1152.9	1467.9	1642.8	1654.3	1667.8	1650.5	1662.0	1667.8	1675.5	1671.6	1671.6
40°	1018.3	1350.8	1579.4	1587.1	1598.6	1585.2	1596.7	1600.6	1604.4	1600.6	1598.6
42.5°	918.4	1222.0	1512.1	1521.8	1514.1	1523.7	1527.5	1535.3	1529.4	1521.8	1521.8
45°	841.5	1187.4	1439.2	1450.6	1439.2	1454.6	1460.3	1460.3	1443.0	1439.2	1437.2
47.5°	816.6	1118.3	1366.1	1366.1	1360.4	1379.6	1389.1	1375.8	1358.5	1352.7	1352.7
50°	814.7	1041.4	1266.2	1258.5	1285.4	1308.4	1298.9	1285.4	1272.0	1250.9	1250.9
52.5°	739.7	947.3	1137.5	1166.3	1208.6	1222.0	1206.6	1193.2	1170.2	1160.5	1152.9
55°	686.0	849.3	1020.2	1077.9	1122.1	1139.4	1110.6	1097.1	1062.5	1056.8	1053.0
57.5°	674.4	707.1	912.7	985.7	1039.5	1037.6	1020.2	995.3	966.5	960.7	958.8
60°	618.7	511.1	797.4	883.9	939.5	933.8	918.4	895.4	868.5	864.7	860.8
62.5°	561.1	370.8	666.7	764.8	843.5	841.5	828.2	793.5	774.3	764.8	757.0
65°	476.5	311.2	474.6	636.0	749.4	753.2	724.4	699.4	678.2	666.7	664.8
67.5°	363.2	253.6	320.9	530.3	659.0	655.2	618.7	607.2	580.3	574.5	563.0
70°	269.0	169.1	222.9	430.4	570.7	561.1	532.2	518.8	493.8	480.4	472.6
72.5°	222.9	136.4	163.3	334.3	480.4	468.8	443.9	428.5	407.3	395.8	388.1
75°	180.6	144.1	124.9	247.8	390.0	382.4	359.3	343.9	326.6	311.2	313.1
77.5°	132.6	134.5	99.9	182.5	309.3	297.9	284.4	265.2	257.5	242.1	242.1
80°	99.9	105.7	75.0	124.9	222.9	222.9	211.3	197.9	184.4	176.8	176.8
82.5°	67.2	67.2	55.7	78.8	151.7	146.0	138.4	134.5	126.8	123.0	123.0
85°	30.8	38.4	34.6	48.0	82.6	86.4	86.4	82.6	80.7	76.9	78.8
87.5°	9.6	17.3	21.1	26.9	42.3	44.2	46.1	46.1	46.1	48.0	48.0
90°	8.9	15.9	23.0	24.8	39.1	58.1	67.5	60.0	45.0	33.7	33.7
92.5°	35.5	95.9	156.3	171.4	240.9	333.7	380.1	333.1	239.2	168.7	162.1
95°	85.3	195.8	306.4	334.0	593.0	938.4	1111.0	991.5	752.3	572.8	552.5
97.5°	147.5	245.0	342.5	366.8	798.8	1374.6	1662.6	1586.9	1435.7	1322.4	1283.7
100°	195.4	283.8	372.3	394.3	873.6	1512.6	1832.2	1837.7	1848.8	1857.1	1811.0
102.5°	236.3	318.8	401.2	421.8	907.9	1556.1	1880.2	1976.5	2169.1	2313.6	2274.1
105°	305.5	375.4	445.2	462.7	933.4	1561.0	1874.9	2090.8	2522.6	2846.5	2825.3
107.5°	376.6	441.7	506.8	523.1	938.2	1491.6	1768.3	2069.5	2671.8	3123.5	3128.7
110°	424.5	483.3	542.2	556.9	931.0	1430.0	1679.5	2016.2	2689.6	3194.6	3216.6



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	471.6	527.6	583.7	597.7	931.4	1376.3	1598.7	1943.2	2632.5	3149.3	3183.2
115°	542.6	594.3	646.1	658.9	939.9	1314.6	1501.8	1833.8	2497.7	2995.6	3042.7
117.5°	612.8	659.8	706.7	718.4	957.4	1275.9	1435.2	1734.8	2333.9	2783.3	2835.6
120°	653.7	697.9	742.0	753.1	971.6	1262.9	1408.5	1682.2	2229.7	2640.4	2691.1
122.5°	693.6	738.2	782.8	794.0	992.1	1256.1	1388.1	1634.6	2127.6	2497.4	2547.5
125°	754.9	795.6	836.3	846.4	1019.6	1250.5	1365.9	1575.4	1994.1	2308.2	2354.4
127.5°	804.7	845.7	886.8	897.0	1047.2	1247.2	1347.3	1527.1	1886.7	2156.4	2195.3
130°	831.3	875.5	919.7	930.7	1067.2	1249.1	1340.2	1500.2	1820.3	2060.4	2096.3
132.5°	858.8	903.0	947.2	958.2	1083.4	1250.5	1333.9	1477.2	1763.8	1978.8	2010.9
135°	899.7	939.9	980.2	990.2	1101.3	1249.3	1323.3	1443.3	1683.3	1863.3	1891.0
137.5°	941.4	981.3	1021.2	1031.1	1128.0	1257.0	1321.5	1423.0	1625.9	1778.0	1800.7
140°	976.0	1012.7	1049.4	1058.6	1144.2	1258.3	1315.3	1403.0	1578.2	1709.6	1730.8
142.5°	1002.7	1036.7	1070.6	1079.1	1157.8	1262.8	1315.3	1392.3	1546.2	1661.7	1679.9
145°	1043.5	1073.1	1102.7	1110.2	1175.6	1262.8	1306.4	1369.4	1495.3	1589.8	1603.6
147.5°	1084.4	1113.2	1142.1	1149.2	1201.7	1271.5	1306.4	1356.0	1455.0	1529.3	1540.8
150°	1111.0	1137.1	1163.2	1169.7	1215.2	1276.1	1306.4	1348.3	1431.9	1494.7	1503.9
152.5°	1138.6	1158.3	1178.0	1183.0	1224.1	1279.0	1306.4	1342.2	1413.6	1467.2	1474.1
155°	1179.4	1194.0	1208.6	1212.3	1243.7	1285.5	1306.4	1334.9	1391.7	1434.3	1439.0
157.5°	1209.6	1223.8	1238.1	1241.6	1263.2	1292.0	1306.4	1328.5	1372.7	1405.9	1409.1
160°	1230.0	1241.1	1252.2	1255.0	1272.2	1295.0	1306.4	1325.3	1363.3	1391.7	1393.6
162.5°	1250.5	1258.8	1267.0	1269.1	1281.5	1298.1	1306.4	1322.4	1354.4	1378.4	1380.2
165°	1272.7	1280.2	1287.6	1289.5	1295.2	1302.7	1306.4	1317.9	1340.7	1357.9	1359.8
167.5°	1293.1	1296.6	1300.2	1301.1	1305.9	1312.2	1315.3	1322.8	1337.8	1349.0	1349.8
170°	1306.4	1310.0	1313.6	1314.5	1314.7	1315.1	1315.3	1322.8	1337.8	1349.0	1349.0
172.5°	1313.5	1314.3	1315.1	1315.3	1315.3	1315.3	1315.3	1321.2	1333.1	1342.0	1341.3
175°	1323.3	1323.3	1323.3	1323.3	1320.7	1317.1	1315.3	1319.0	1326.6	1332.2	1332.2
177.5°	1323.3	1323.3	1323.3	1323.3	1321.2	1318.5	1317.1	1320.1	1326.0	1330.4	1329.6
180°	1323.3	1323.3	1323.3	1323.3	1323.3	1323.3	1323.3	1323.3	1323.3	1323.3	1323.3



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2030.9	2030.9	2030.9	2030.9	2030.9	2030.9	2030.9	2030.9	2030.9	2030.9	2030.9
2.5°	2082.9	2077.0	2082.9	2078.9	2080.8	2075.1	2057.8	2052.1	2057.8	2063.6	2063.6
5°	2107.8	2104.0	2107.8	2107.8	2105.9	2102.1	2082.9	2078.9	2082.9	2084.8	2080.8
7.5°	2115.5	2109.7	2115.5	2111.6	2111.6	2107.8	2088.6	2084.8	2086.7	2092.4	2086.7
10°	2115.5	2109.7	2115.5	2113.6	2111.6	2107.8	2088.6	2080.8	2080.8	2086.7	2080.8
12.5°	2105.9	2102.1	2105.9	2102.1	2102.1	2098.2	2078.9	2071.3	2073.2	2075.1	2067.5
15°	2090.5	2084.8	2090.5	2086.7	2088.6	2082.9	2061.7	2054.0	2054.0	2057.8	2044.4
17.5°	2067.5	2059.7	2067.5	2065.6	2063.6	2059.7	2040.5	2032.9	2030.9	2032.9	2023.3
20°	2040.5	2034.8	2040.5	2038.6	2038.6	2030.9	2011.7	2002.2	2002.2	2002.2	1992.5
22.5°	1998.2	1992.5	1998.2	2002.2	2002.2	2000.2	1982.9	1969.5	1965.6	1965.6	1954.1
25°	1950.2	1944.5	1950.2	1950.2	1948.3	1950.2	1944.5	1936.8	1931.0	1925.3	1913.7
27.5°	1904.1	1900.3	1904.1	1900.3	1904.1	1898.3	1896.4	1894.5	1886.8	1881.1	1865.7
30°	1858.0	1854.1	1858.0	1854.1	1850.3	1846.5	1836.8	1833.0	1840.8	1836.8	1811.9
32.5°	1800.4	1796.5	1800.4	1800.4	1796.5	1796.5	1781.2	1775.3	1777.4	1788.8	1765.8
35°	1740.8	1735.0	1740.8	1738.9	1740.8	1735.0	1725.4	1723.5	1715.8	1729.3	1712.0
37.5°	1671.6	1665.9	1671.6	1671.6	1671.6	1675.5	1667.8	1662.0	1650.5	1667.8	1654.3
40°	1600.6	1592.8	1600.6	1598.6	1600.6	1604.4	1600.6	1596.7	1585.2	1598.6	1587.1
42.5°	1519.9	1517.9	1519.9	1521.8	1521.8	1529.4	1535.3	1527.5	1523.7	1514.1	1521.8
45°	1433.4	1429.5	1433.4	1437.2	1439.2	1443.0	1460.3	1460.3	1454.6	1439.2	1450.6
47.5°	1341.1	1331.6	1341.1	1352.7	1352.7	1358.5	1375.8	1389.1	1379.6	1360.4	1366.1
50°	1243.1	1245.0	1243.1	1250.9	1250.9	1272.0	1285.4	1298.9	1308.4	1285.4	1258.5
52.5°	1147.1	1145.1	1147.1	1152.9	1160.5	1170.2	1193.2	1206.6	1222.0	1208.6	1166.3
55°	1051.0	1054.9	1051.0	1053.0	1056.8	1062.5	1097.1	1110.6	1139.4	1122.1	1077.9
57.5°	954.9	949.2	954.9	958.8	960.7	966.5	995.3	1020.2	1037.6	1039.5	985.7
60°	843.5	835.8	843.5	860.8	864.7	868.5	895.4	918.4	933.8	939.5	883.9
62.5°	745.5	732.1	745.5	757.0	764.8	774.3	793.5	828.2	841.5	843.5	764.8
65°	641.8	636.0	641.8	664.8	666.7	678.2	699.4	724.4	753.2	749.4	636.0
67.5°	547.6	547.6	547.6	563.0	574.5	580.3	607.2	618.7	655.2	659.0	530.3
70°	461.2	459.3	461.2	472.6	480.4	493.8	518.8	532.2	561.1	570.7	430.4
72.5°	378.6	376.6	378.6	388.1	395.8	407.3	428.5	443.9	468.8	480.4	334.3
75°	305.5	301.7	305.5	313.1	311.2	326.6	343.9	359.3	382.4	390.0	247.8
77.5°	234.5	234.5	234.5	242.1	242.1	257.5	265.2	284.4	297.9	309.3	182.5
80°	174.9	173.0	174.9	176.8	176.8	184.4	197.9	211.3	222.9	222.9	124.9
82.5°	123.0	119.1	123.0	123.0	123.0	126.8	134.5	138.4	146.0	151.7	78.8
85°	76.9	76.9	76.9	78.8	76.9	80.7	82.6	86.4	86.4	82.6	48.0
87.5°	49.9	48.0	49.9	48.0	48.0	46.1	46.1	46.1	44.2	42.3	26.9
90°	33.7	33.7	33.7	33.7	33.7	45.0	60.0	67.5	58.1	39.1	24.8
92.5°	135.2	108.4	135.2	162.1	168.7	239.2	333.1	380.1	333.7	240.9	171.4
95°	471.2	389.9	471.2	552.5	572.8	752.3	991.5	1111.0	938.4	593.0	334.0
97.5°	1129.0	974.3	1129.0	1283.7	1322.4	1435.7	1586.9	1662.6	1374.6	798.8	366.8
100°	1626.7	1442.3	1626.7	1811.0	1857.1	1848.8	1837.7	1832.2	1512.6	873.6	394.3
102.5°	2116.2	1958.3	2116.2	2274.1	2313.6	2169.1	1976.5	1880.2	1556.1	907.9	421.8
105°	2740.4	2655.5	2740.4	2825.3	2846.5	2522.6	2090.8	1874.9	1561.0	933.4	462.7
107.5°	3149.2	3169.7	3149.2	3128.7	3123.5	2671.8	2069.5	1768.3	1491.6	938.2	523.1
110°	3305.1	3393.5	3305.1	3216.6	3194.6	2689.6	2016.2	1679.5	1430.0	931.0	556.9





TEST NUMBER: P934680

CATALOG NUMBER: SQ4-FA-075U-050D-B2750-1D-UNV-STD-W-12-4000K

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3319.0	3454.8	3319.0	3183.2	3149.3	2632.5	1943.2	1598.7	1376.3	931.4	597.7
115°	3231.0	3419.3	3231.0	3042.7	2995.6	2497.7	1833.8	1501.8	1314.6	939.9	658.9
117.5°	3044.3	3253.2	3044.3	2835.6	2783.3	2333.9	1734.8	1435.2	1275.9	957.4	718.4
120°	2894.0	3096.9	2894.0	2691.1	2640.4	2229.7	1682.2	1408.5	1262.9	971.6	753.1
122.5°	2747.5	2947.7	2747.5	2547.5	2497.4	2127.6	1634.6	1388.1	1256.1	992.1	794.0
125°	2538.7	2723.0	2538.7	2354.4	2308.2	1994.1	1575.4	1365.9	1250.5	1019.6	846.4
127.5°	2350.8	2506.3	2350.8	2195.3	2156.4	1886.7	1527.1	1347.3	1247.2	1047.2	897.0
130°	2240.0	2383.8	2240.0	2096.3	2060.4	1820.3	1500.2	1340.2	1249.1	1067.2	930.7
132.5°	2139.6	2268.3	2139.6	2010.9	1978.8	1763.8	1477.2	1333.9	1250.5	1083.4	958.2
135°	2002.0	2112.8	2002.0	1891.0	1863.3	1683.3	1443.3	1323.3	1249.3	1101.3	990.2
137.5°	1891.5	1982.3	1891.5	1800.7	1778.0	1625.9	1423.0	1321.5	1257.0	1128.0	1031.1
140°	1815.7	1900.5	1815.7	1730.8	1709.6	1578.2	1403.0	1315.3	1258.3	1144.2	1058.6
142.5°	1753.0	1826.0	1753.0	1679.9	1661.7	1546.2	1392.3	1315.3	1262.8	1157.8	1079.1
145°	1658.8	1714.0	1658.8	1603.6	1589.8	1495.3	1369.4	1306.4	1262.8	1175.6	1110.2
147.5°	1586.5	1632.4	1586.5	1540.8	1529.3	1455.0	1356.0	1306.4	1271.5	1201.7	1149.2
150°	1541.1	1578.2	1541.1	1503.9	1494.7	1431.9	1348.3	1306.4	1276.1	1215.2	1169.7
152.5°	1502.2	1530.2	1502.2	1474.1	1467.2	1413.6	1342.2	1306.4	1279.0	1224.1	1183.0
155°	1457.5	1476.0	1457.5	1439.0	1434.3	1391.7	1334.9	1306.4	1285.5	1243.7	1212.3
157.5°	1422.2	1435.2	1422.2	1409.1	1405.9	1372.7	1328.5	1306.4	1292.0	1263.2	1241.6
160°	1401.1	1408.5	1401.1	1393.6	1391.7	1363.3	1325.3	1306.4	1295.0	1272.2	1255.0
162.5°	1387.2	1394.4	1387.2	1380.2	1378.4	1354.4	1322.4	1306.4	1298.1	1281.5	1269.1
165°	1367.3	1374.8	1367.3	1359.8	1357.9	1340.7	1317.9	1306.4	1302.7	1295.2	1289.5
167.5°	1353.0	1356.2	1353.0	1349.8	1349.0	1337.8	1322.8	1315.3	1312.2	1305.9	1301.1
170°	1349.0	1349.0	1349.0	1349.0	1349.0	1337.8	1322.8	1315.3	1315.1	1314.7	1314.5
172.5°	1338.5	1335.8	1338.5	1341.3	1342.0	1333.1	1321.2	1315.3	1315.3	1315.3	1315.3
175°	1332.2	1332.2	1332.2	1332.2	1332.2	1326.6	1319.0	1315.3	1317.1	1320.7	1323.3
177.5°	1326.5	1323.3	1326.5	1329.6	1330.4	1326.0	1320.1	1317.1	1318.5	1321.2	1323.3
180°	1323.3	1323.3	1323.3	1323.3	1323.3	1323.3	1323.3	1323.3	1323.3	1323.3	1323.3



TEST NUMBER: P934680

CATALOG NUMBER: SQ4-FA-075U-050D-B2750-1D-UNV-STD-W-12-4000K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2030.9	2030.9	2030.9	2030.9	2030.9	2030.9	2030.9	2030.9	2030.9	2030.9	2030.9
2.5°	2059.7	2048.2	2048.2	2029.0	2021.4	2015.5	2006.0	1977.1	1969.5	1961.8	1973.3
5°	2077.0	2055.9	2040.5	2006.0	1977.1	1965.6	1929.1	1860.0	1813.8	1779.3	1760.1
7.5°	2080.8	2054.0	2025.2	1971.4	1902.2	1871.4	1760.1	1633.2	1598.6	1567.9	1548.6
10°	2077.0	2046.3	2006.0	1925.3	1762.0	1708.1	1596.7	1514.1	1493.0	1487.2	1493.0
12.5°	2063.6	2034.8	1979.0	1844.6	1616.0	1579.4	1514.1	1466.0	1462.2	1471.8	1523.7
15°	2040.5	2013.6	1948.3	1737.0	1535.3	1508.3	1462.2	1444.9	1466.0	1533.3	1688.9
17.5°	2017.5	1986.8	1906.1	1631.3	1473.8	1454.6	1421.8	1456.5	1575.6	1665.9	1717.8
20°	1986.8	1950.2	1858.0	1554.5	1429.5	1412.3	1396.9	1552.5	1642.8	1675.5	1704.3
22.5°	1950.2	1911.8	1792.7	1500.6	1383.4	1369.9	1379.6	1606.3	1642.8	1665.9	1690.8
25°	1902.2	1869.5	1715.8	1458.4	1346.9	1331.6	1368.0	1600.6	1621.7	1627.4	1677.4
27.5°	1858.0	1815.7	1635.2	1419.9	1302.7	1297.0	1377.7	1575.6	1590.9	1596.7	1650.5
30°	1804.2	1740.8	1544.8	1379.6	1256.6	1254.7	1379.6	1544.8	1541.0	1556.4	1610.1
32.5°	1748.5	1629.3	1443.0	1329.6	1212.4	1210.5	1366.1	1498.7	1494.9	1516.0	1556.4
35°	1696.7	1542.9	1304.6	1272.0	1156.7	1158.6	1333.5	1444.9	1446.8	1466.0	1491.0
37.5°	1642.8	1467.9	1152.9	1208.6	1102.9	1102.9	1289.2	1395.0	1391.1	1396.9	1431.4
40°	1579.4	1350.8	1018.3	1125.9	1053.0	1047.2	1235.5	1341.1	1327.7	1325.8	1373.8
42.5°	1512.1	1222.0	918.4	1016.4	995.3	987.6	1170.2	1275.8	1250.9	1256.6	1318.1
45°	1439.2	1187.4	841.5	858.8	935.7	930.0	1099.0	1200.9	1183.6	1199.0	1262.4
47.5°	1366.1	1118.3	816.6	712.8	872.3	870.4	1020.2	1127.9	1118.3	1133.7	1200.9
50°	1266.2	1041.4	814.7	611.0	801.2	808.9	926.2	1056.8	1056.8	1070.3	1141.3
52.5°	1137.5	947.3	739.7	553.3	718.6	741.7	843.5	995.3	999.1	1012.6	1076.0
55°	1020.2	849.3	686.0	509.2	620.7	670.6	762.8	931.9	939.5	953.0	1010.7
57.5°	912.7	707.1	674.4	457.3	530.3	578.3	691.7	870.4	874.2	885.8	941.5
60°	797.4	511.1	618.7	401.6	451.5	488.0	626.4	797.4	810.8	818.5	866.6
62.5°	666.7	370.8	561.1	363.2	413.1	420.8	572.6	728.2	745.5	751.3	780.1
65°	474.6	311.2	476.5	330.5	372.7	374.6	514.9	657.1	672.5	682.1	703.3
67.5°	320.9	253.6	363.2	299.8	342.0	343.9	459.3	574.5	595.6	603.4	616.7
70°	222.9	169.1	269.0	267.1	307.4	311.2	399.7	499.6	518.8	524.6	532.2
72.5°	163.3	136.4	222.9	240.2	270.9	274.8	338.2	415.0	434.2	440.0	443.9
75°	124.9	144.1	180.6	209.4	230.5	232.4	276.7	338.2	351.6	355.5	357.4
77.5°	99.9	134.5	132.6	169.1	188.3	184.4	217.2	261.3	272.8	272.8	272.8
80°	75.0	105.7	99.9	121.1	138.4	134.5	155.7	186.4	190.2	194.1	192.1
82.5°	55.7	67.2	67.2	76.9	92.3	88.4	103.7	121.1	121.1	121.1	124.9
85°	34.6	38.4	30.8	40.4	51.9	49.9	57.7	65.3	67.2	67.2	63.4
87.5°	21.1	17.3	9.6	15.4	23.0	23.0	26.9	28.8	26.9	26.9	26.9
90°	23.0	15.9	8.9	15.9	23.0	24.8	39.1	58.1	67.5	60.0	45.0
92.5°	156.3	95.9	35.5	95.9	156.3	171.4	240.9	333.7	380.1	333.1	239.2
95°	306.4	195.8	85.3	195.8	306.4	334.0	593.0	938.4	1111.0	991.5	752.3
97.5°	342.5	245.0	147.5	245.0	342.5	366.8	798.8	1374.6	1662.6	1586.9	1435.7
100°	372.3	283.8	195.4	283.8	372.3	394.3	873.6	1512.6	1832.2	1837.7	1848.8
102.5°	401.2	318.8	236.3	318.8	401.2	421.8	907.9	1556.1	1880.2	1976.5	2169.1
105°	445.2	375.4	305.5	375.4	445.2	462.7	933.4	1561.0	1874.9	2090.8	2522.6
107.5°	506.8	441.7	376.6	441.7	506.8	523.1	938.2	1491.6	1768.3	2069.5	2671.8
110°	542.2	483.3	424.5	483.3	542.2	556.9	931.0	1430.0	1679.5	2016.2	2689.6



TEST NUMBER: P934680

CATALOG NUMBER: SQ4-FA-075U-050D-B2750-1D-UNV-STD-W-12-4000K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	583.7	527.6	471.6	527.6	583.7	597.7	931.4	1376.3	1598.7	1943.2	2632.5
115°	646.1	594.3	542.6	594.3	646.1	658.9	939.9	1314.6	1501.8	1833.8	2497.7
117.5°	706.7	659.8	612.8	659.8	706.7	718.4	957.4	1275.9	1435.2	1734.8	2333.9
120°	742.0	697.9	653.7	697.9	742.0	753.1	971.6	1262.9	1408.5	1682.2	2229.7
122.5°	782.8	738.2	693.6	738.2	782.8	794.0	992.1	1256.1	1388.1	1634.6	2127.6
125°	836.3	795.6	754.9	795.6	836.3	846.4	1019.6	1250.5	1365.9	1575.4	1994.1
127.5°	886.8	845.7	804.7	845.7	886.8	897.0	1047.2	1247.2	1347.3	1527.1	1886.7
130°	919.7	875.5	831.3	875.5	919.7	930.7	1067.2	1249.1	1340.2	1500.2	1820.3
132.5°	947.2	903.0	858.8	903.0	947.2	958.2	1083.4	1250.5	1333.9	1477.2	1763.8
135°	980.2	939.9	899.7	939.9	980.2	990.2	1101.3	1249.3	1323.3	1443.3	1683.3
137.5°	1021.2	981.3	941.4	981.3	1021.2	1031.1	1128.0	1257.0	1321.5	1423.0	1625.9
140°	1049.4	1012.7	976.0	1012.7	1049.4	1058.6	1144.2	1258.3	1315.3	1403.0	1578.2
142.5°	1070.6	1036.7	1002.7	1036.7	1070.6	1079.1	1157.8	1262.8	1315.3	1392.3	1546.2
145°	1102.7	1073.1	1043.5	1073.1	1102.7	1110.2	1175.6	1262.8	1306.4	1369.4	1495.3
147.5°	1142.1	1113.2	1084.4	1113.2	1142.1	1149.2	1201.7	1271.5	1306.4	1356.0	1455.0
150°	1163.2	1137.1	1111.0	1137.1	1163.2	1169.7	1215.2	1276.1	1306.4	1348.3	1431.9
152.5°	1178.0	1158.3	1138.6	1158.3	1178.0	1183.0	1224.1	1279.0	1306.4	1342.2	1413.6
155°	1208.6	1194.0	1179.4	1194.0	1208.6	1212.3	1243.7	1285.5	1306.4	1334.9	1391.7
157.5°	1238.1	1223.8	1209.6	1223.8	1238.1	1241.6	1263.2	1292.0	1306.4	1328.5	1372.7
160°	1252.2	1241.1	1230.0	1241.1	1252.2	1255.0	1272.2	1295.0	1306.4	1325.3	1363.3
162.5°	1267.0	1258.8	1250.5	1258.8	1267.0	1269.1	1281.5	1298.1	1306.4	1322.4	1354.4
165°	1287.6	1280.2	1272.7	1280.2	1287.6	1289.5	1295.2	1302.7	1306.4	1317.9	1340.7
167.5°	1300.2	1296.6	1293.1	1296.6	1300.2	1301.1	1305.9	1312.2	1315.3	1322.8	1337.8
170°	1313.6	1310.0	1306.4	1310.0	1313.6	1314.5	1314.7	1315.1	1315.3	1322.8	1337.8
172.5°	1315.1	1314.3	1313.5	1314.3	1315.1	1315.3	1315.3	1315.3	1315.3	1321.2	1333.1
175°	1323.3	1323.3	1323.3	1323.3	1323.3	1323.3	1320.7	1317.1	1315.3	1319.0	1326.6
177.5°	1323.3	1323.3	1323.3	1323.3	1323.3	1323.3	1321.2	1318.5	1317.1	1320.1	1326.0
180°	1323.3	1323.3	1323.3	1323.3	1323.3	1323.3	1323.3	1323.3	1323.3	1323.3	1323.3



TEST NUMBER: P934680

CATALOG NUMBER: SQ4-FA-075U-050D-B2750-1D-UNV-STD-W-12-4000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2030.9	2030.9	2030.9	2030.9	2030.9	2030.9	2030.9	2030.9	2030.9	2030.9	2030.9
2.5°	1959.9	1954.1	1961.8	1940.7	1961.8	1954.1	1959.9	1973.3	1961.8	1969.5	1977.1
5°	1719.7	1710.0	1679.4	1654.3	1679.4	1710.0	1719.7	1760.1	1779.3	1813.8	1860.0
7.5°	1537.2	1529.4	1521.8	1506.4	1521.8	1529.4	1537.2	1548.6	1567.9	1598.6	1633.2
10°	1496.8	1498.7	1510.2	1508.3	1510.2	1498.7	1496.8	1493.0	1487.2	1493.0	1514.1
12.5°	1600.6	1617.9	1681.3	1677.4	1681.3	1617.9	1600.6	1523.7	1471.8	1462.2	1466.0
15°	1719.7	1725.4	1738.9	1740.8	1738.9	1725.4	1719.7	1688.9	1533.3	1466.0	1444.9
17.5°	1731.2	1733.1	1742.7	1742.7	1742.7	1733.1	1731.2	1717.8	1665.9	1575.6	1456.5
20°	1721.6	1725.4	1744.7	1748.5	1744.7	1725.4	1721.6	1704.3	1675.5	1642.8	1552.5
22.5°	1717.8	1725.4	1740.8	1738.9	1740.8	1725.4	1717.8	1690.8	1665.9	1642.8	1606.3
25°	1698.6	1698.6	1700.5	1702.4	1700.5	1698.6	1698.6	1677.4	1627.4	1621.7	1600.6
27.5°	1658.2	1662.0	1673.5	1671.6	1673.5	1662.0	1658.2	1650.5	1596.7	1590.9	1575.6
30°	1621.7	1617.9	1608.2	1600.6	1608.2	1617.9	1621.7	1610.1	1556.4	1541.0	1544.8
32.5°	1560.2	1550.5	1541.0	1535.3	1541.0	1550.5	1560.2	1556.4	1516.0	1494.9	1498.7
35°	1487.2	1489.1	1487.2	1481.4	1487.2	1489.1	1487.2	1491.0	1466.0	1446.8	1444.9
37.5°	1435.3	1439.2	1437.2	1429.5	1437.2	1439.2	1435.3	1431.4	1396.9	1391.1	1395.0
40°	1381.5	1383.4	1381.5	1375.8	1381.5	1383.4	1381.5	1373.8	1325.8	1327.7	1341.1
42.5°	1329.6	1327.7	1321.9	1318.1	1321.9	1327.7	1329.6	1318.1	1256.6	1250.9	1275.8
45°	1270.1	1272.0	1260.4	1254.7	1260.4	1272.0	1270.1	1262.4	1199.0	1183.6	1200.9
47.5°	1210.5	1210.5	1200.9	1195.1	1200.9	1210.5	1210.5	1200.9	1133.7	1118.3	1127.9
50°	1147.1	1145.1	1131.7	1129.8	1131.7	1145.1	1147.1	1141.3	1070.3	1056.8	1056.8
52.5°	1074.1	1074.1	1076.0	1079.8	1076.0	1074.1	1074.1	1076.0	1012.6	999.1	995.3
55°	1010.7	1012.6	1026.1	1029.9	1026.1	1012.6	1010.7	1010.7	953.0	939.5	931.9
57.5°	945.4	945.4	954.9	954.9	954.9	945.4	945.4	941.5	885.8	874.2	870.4
60°	870.4	874.2	881.9	880.0	881.9	874.2	870.4	866.6	818.5	810.8	797.4
62.5°	791.6	795.5	797.4	793.5	797.4	795.5	791.6	780.1	751.3	745.5	728.2
65°	709.0	712.8	714.7	710.9	714.7	712.8	709.0	703.3	682.1	672.5	657.1
67.5°	624.5	622.6	620.7	628.3	620.7	622.6	624.5	616.7	603.4	595.6	574.5
70°	538.0	538.0	536.0	540.0	536.0	538.0	538.0	532.2	524.6	518.8	499.6
72.5°	445.8	443.9	451.5	445.8	451.5	443.9	445.8	443.9	440.0	434.2	415.0
75°	355.5	359.3	355.5	361.2	355.5	359.3	355.5	357.4	355.5	351.6	338.2
77.5°	270.9	274.8	270.9	270.9	270.9	274.8	270.9	272.8	272.8	272.8	261.3
80°	192.1	190.2	190.2	188.3	190.2	190.2	192.1	192.1	194.1	190.2	186.4
82.5°	123.0	121.1	121.1	124.9	121.1	121.1	123.0	124.9	121.1	121.1	121.1
85°	67.2	69.1	65.3	65.3	65.3	69.1	67.2	63.4	67.2	67.2	65.3
87.5°	25.0	23.0	23.0	23.0	23.0	23.0	25.0	26.9	26.9	26.9	28.8
90°	33.7	33.7	33.7	33.7	33.7	33.7	33.7	45.0	60.0	67.5	58.1
92.5°	168.7	162.1	135.2	108.4	135.2	162.1	168.7	239.2	333.1	380.1	333.7
95°	572.8	552.5	471.2	389.9	471.2	552.5	572.8	752.3	991.5	1111.0	938.4
97.5°	1322.4	1283.7	1129.0	974.3	1129.0	1283.7	1322.4	1435.7	1586.9	1662.6	1374.6
100°	1857.1	1811.0	1626.7	1442.3	1626.7	1811.0	1857.1	1848.8	1837.7	1832.2	1512.6
102.5°	2313.6	2274.1	2116.2	1958.3	2116.2	2274.1	2313.6	2169.1	1976.5	1880.2	1556.1
105°	2846.5	2825.3	2740.4	2655.5	2740.4	2825.3	2846.5	2522.6	2090.8	1874.9	1561.0
107.5°	3123.5	3128.7	3149.2	3169.7	3149.2	3128.7	3123.5	2671.8	2069.5	1768.3	1491.6
110°	3194.6	3216.6	3305.1	3393.5	3305.1	3216.6	3194.6	2689.6	2016.2	1679.5	1430.0



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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3149.3	3183.2	3319.0	3454.8	3319.0	3183.2	3149.3	2632.5	1943.2	1598.7	1376.3
115°	2995.6	3042.7	3231.0	3419.3	3231.0	3042.7	2995.6	2497.7	1833.8	1501.8	1314.6
117.5°	2783.3	2835.6	3044.3	3253.2	3044.3	2835.6	2783.3	2333.9	1734.8	1435.2	1275.9
120°	2640.4	2691.1	2894.0	3096.9	2894.0	2691.1	2640.4	2229.7	1682.2	1408.5	1262.9
122.5°	2497.4	2547.5	2747.5	2947.7	2747.5	2547.5	2497.4	2127.6	1634.6	1388.1	1256.1
125°	2308.2	2354.4	2538.7	2723.0	2538.7	2354.4	2308.2	1994.1	1575.4	1365.9	1250.5
127.5°	2156.4	2195.3	2350.8	2506.3	2350.8	2195.3	2156.4	1886.7	1527.1	1347.3	1247.2
130°	2060.4	2096.3	2240.0	2383.8	2240.0	2096.3	2060.4	1820.3	1500.2	1340.2	1249.1
132.5°	1978.8	2010.9	2139.6	2268.3	2139.6	2010.9	1978.8	1763.8	1477.2	1333.9	1250.5
135°	1863.3	1891.0	2002.0	2112.8	2002.0	1891.0	1863.3	1683.3	1443.3	1323.3	1249.3
137.5°	1778.0	1800.7	1891.5	1982.3	1891.5	1800.7	1778.0	1625.9	1423.0	1321.5	1257.0
140°	1709.6	1730.8	1815.7	1900.5	1815.7	1730.8	1709.6	1578.2	1403.0	1315.3	1258.3
142.5°	1661.7	1679.9	1753.0	1826.0	1753.0	1679.9	1661.7	1546.2	1392.3	1315.3	1262.8
145°	1589.8	1603.6	1658.8	1714.0	1658.8	1603.6	1589.8	1495.3	1369.4	1306.4	1262.8
147.5°	1529.3	1540.8	1586.5	1632.4	1586.5	1540.8	1529.3	1455.0	1356.0	1306.4	1271.5
150°	1494.7	1503.9	1541.1	1578.2	1541.1	1503.9	1494.7	1431.9	1348.3	1306.4	1276.1
152.5°	1467.2	1474.1	1502.2	1530.2	1502.2	1474.1	1467.2	1413.6	1342.2	1306.4	1279.0
155°	1434.3	1439.0	1457.5	1476.0	1457.5	1439.0	1434.3	1391.7	1334.9	1306.4	1285.5
157.5°	1405.9	1409.1	1422.2	1435.2	1422.2	1409.1	1405.9	1372.7	1328.5	1306.4	1292.0
160°	1391.7	1393.6	1401.1	1408.5	1401.1	1393.6	1391.7	1363.3	1325.3	1306.4	1295.0
162.5°	1378.4	1380.2	1387.2	1394.4	1387.2	1380.2	1378.4	1354.4	1322.4	1306.4	1298.1
165°	1357.9	1359.8	1367.3	1374.8	1367.3	1359.8	1357.9	1340.7	1317.9	1306.4	1302.7
167.5°	1349.0	1349.8	1353.0	1356.2	1353.0	1349.8	1349.0	1337.8	1322.8	1315.3	1312.2
170°	1349.0	1349.0	1349.0	1349.0	1349.0	1349.0	1349.0	1337.8	1322.8	1315.3	1315.1
172.5°	1342.0	1341.3	1338.5	1335.8	1338.5	1341.3	1342.0	1333.1	1321.2	1315.3	1315.3
175°	1332.2	1332.2	1332.2	1332.2	1332.2	1332.2	1332.2	1326.6	1319.0	1315.3	1317.1
177.5°	1330.4	1329.6	1326.5	1323.3	1326.5	1329.6	1330.4	1326.0	1320.1	1317.1	1318.5
180°	1323.3	1323.3	1323.3	1323.3	1323.3	1323.3	1323.3	1323.3	1323.3	1323.3	1323.3



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	2030.9	2030.9	2030.9	2030.9	2030.9
2.5°	2006.0	2015.5	2021.4	2029.0	2048.2
5°	1929.1	1965.6	1977.1	2006.0	2040.5
7.5°	1760.1	1871.4	1902.2	1971.4	2025.2
10°	1596.7	1708.1	1762.0	1925.3	2006.0
12.5°	1514.1	1579.4	1616.0	1844.6	1979.0
15°	1462.2	1508.3	1535.3	1737.0	1948.3
17.5°	1421.8	1454.6	1473.8	1631.3	1906.1
20°	1396.9	1412.3	1429.5	1554.5	1858.0
22.5°	1379.6	1369.9	1383.4	1500.6	1792.7
25°	1368.0	1331.6	1346.9	1458.4	1715.8
27.5°	1377.7	1297.0	1302.7	1419.9	1635.2
30°	1379.6	1254.7	1256.6	1379.6	1544.8
32.5°	1366.1	1210.5	1212.4	1329.6	1443.0
35°	1333.5	1158.6	1156.7	1272.0	1304.6
37.5°	1289.2	1102.9	1102.9	1208.6	1152.9
40°	1235.5	1047.2	1053.0	1125.9	1018.3
42.5°	1170.2	987.6	995.3	1016.4	918.4
45°	1099.0	930.0	935.7	858.8	841.5
47.5°	1020.2	870.4	872.3	712.8	816.6
50°	926.2	808.9	801.2	611.0	814.7
52.5°	843.5	741.7	718.6	553.3	739.7
55°	762.8	670.6	620.7	509.2	686.0
57.5°	691.7	578.3	530.3	457.3	674.4
60°	626.4	488.0	451.5	401.6	618.7
62.5°	572.6	420.8	413.1	363.2	561.1
65°	514.9	374.6	372.7	330.5	476.5
67.5°	459.3	343.9	342.0	299.8	363.2
70°	399.7	311.2	307.4	267.1	269.0
72.5°	338.2	274.8	270.9	240.2	222.9
75°	276.7	232.4	230.5	209.4	180.6
77.5°	217.2	184.4	188.3	169.1	132.6
80°	155.7	134.5	138.4	121.1	99.9
82.5°	103.7	88.4	92.3	76.9	67.2
85°	57.7	49.9	51.9	40.4	30.8
87.5°	26.9	23.0	23.0	15.4	9.6
90°	39.1	24.8	23.0	15.9	8.9
92.5°	240.9	171.4	156.3	95.9	35.5
95°	593.0	334.0	306.4	195.8	85.3
97.5°	798.8	366.8	342.5	245.0	147.5
100°	873.6	394.3	372.3	283.8	195.4
102.5°	907.9	421.8	401.2	318.8	236.3
105°	933.4	462.7	445.2	375.4	305.5
107.5°	938.2	523.1	506.8	441.7	376.6
110°	931.0	556.9	542.2	483.3	424.5



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CATALOG NUMBER: SQ4-FA-075U-050D-B2750-1D-UNV-STD-W-12-4000K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	931.4	597.7	583.7	527.6	471.6
115°	939.9	658.9	646.1	594.3	542.6
117.5°	957.4	718.4	706.7	659.8	612.8
120°	971.6	753.1	742.0	697.9	653.7
122.5°	992.1	794.0	782.8	738.2	693.6
125°	1019.6	846.4	836.3	795.6	754.9
127.5°	1047.2	897.0	886.8	845.7	804.7
130°	1067.2	930.7	919.7	875.5	831.3
132.5°	1083.4	958.2	947.2	903.0	858.8
135°	1101.3	990.2	980.2	939.9	899.7
137.5°	1128.0	1031.1	1021.2	981.3	941.4
140°	1144.2	1058.6	1049.4	1012.7	976.0
142.5°	1157.8	1079.1	1070.6	1036.7	1002.7
145°	1175.6	1110.2	1102.7	1073.1	1043.5
147.5°	1201.7	1149.2	1142.1	1113.2	1084.4
150°	1215.2	1169.7	1163.2	1137.1	1111.0
152.5°	1224.1	1183.0	1178.0	1158.3	1138.6
155°	1243.7	1212.3	1208.6	1194.0	1179.4
157.5°	1263.2	1241.6	1238.1	1223.8	1209.6
160°	1272.2	1255.0	1252.2	1241.1	1230.0
162.5°	1281.5	1269.1	1267.0	1258.8	1250.5
165°	1295.2	1289.5	1287.6	1280.2	1272.7
167.5°	1305.9	1301.1	1300.2	1296.6	1293.1
170°	1314.7	1314.5	1313.6	1310.0	1306.4
172.5°	1315.3	1315.3	1315.1	1314.3	1313.5
175°	1320.7	1323.3	1323.3	1323.3	1323.3
177.5°	1321.2	1323.3	1323.3	1323.3	1323.3
180°	1323.3	1323.3	1323.3	1323.3	1323.3



TEST NUMBER: P934680  
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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	9.98	10.74	11.03	11.80	13.23	12.83	13.60	13.89	14.65	16.08
	3H	10.45	11.13	11.51	12.20	13.65	14.18	14.86	15.24	15.93	17.38
	4H	10.64	11.28	11.71	12.35	13.81	14.62	15.27	15.69	16.34	17.79
	6H	10.75	11.35	11.83	12.42	13.89	14.91	15.50	15.99	16.57	18.04
	8H	10.75	11.32	11.84	12.40	13.87	14.98	15.55	16.07	16.64	18.10
	12H	10.72	11.25	11.81	12.34	13.82	15.02	15.56	16.11	16.64	18.13
4H	2H	11.01	11.65	12.09	12.72	14.18	13.23	13.88	14.31	14.94	16.40
	3H	12.02	12.56	13.11	13.66	15.13	14.73	15.27	15.82	16.37	17.84
	4H	12.30	12.79	13.39	13.88	15.37	15.26	15.75	16.35	16.84	18.33
	6H	12.42	12.84	13.52	13.95	15.43	15.62	16.05	16.73	17.16	18.64
	8H	12.42	12.82	13.52	13.92	15.42	15.73	16.13	16.83	17.23	18.73
	12H	12.38	12.74	13.50	13.85	15.36	15.79	16.15	16.91	17.26	18.77
8H	4H	12.74	13.14	13.85	14.24	15.74	15.38	15.77	16.48	16.87	18.37
	6H	13.00	13.33	14.13	14.47	15.97	15.81	16.14	16.94	17.28	18.78
	8H	13.04	13.33	14.17	14.45	15.97	15.97	16.25	17.10	17.38	18.90
	12H	13.02	13.28	14.16	14.40	15.95	16.07	16.32	17.20	17.44	18.99
12H	4H	12.75	13.11	13.87	14.22	15.73	15.33	15.69	16.45	16.81	18.31
	6H	13.06	13.35	14.19	14.47	15.99	15.81	16.10	16.94	17.22	18.74
	8H	13.13	13.38	14.26	14.50	16.05	15.97	16.22	17.10	17.34	18.90