

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: P934625

Luminaire Tested: SQ4-FA-075U-050D-92765-1D-UNV-STD-W-12-2700K

Issue Date: 12/17/2024

**Test Information**

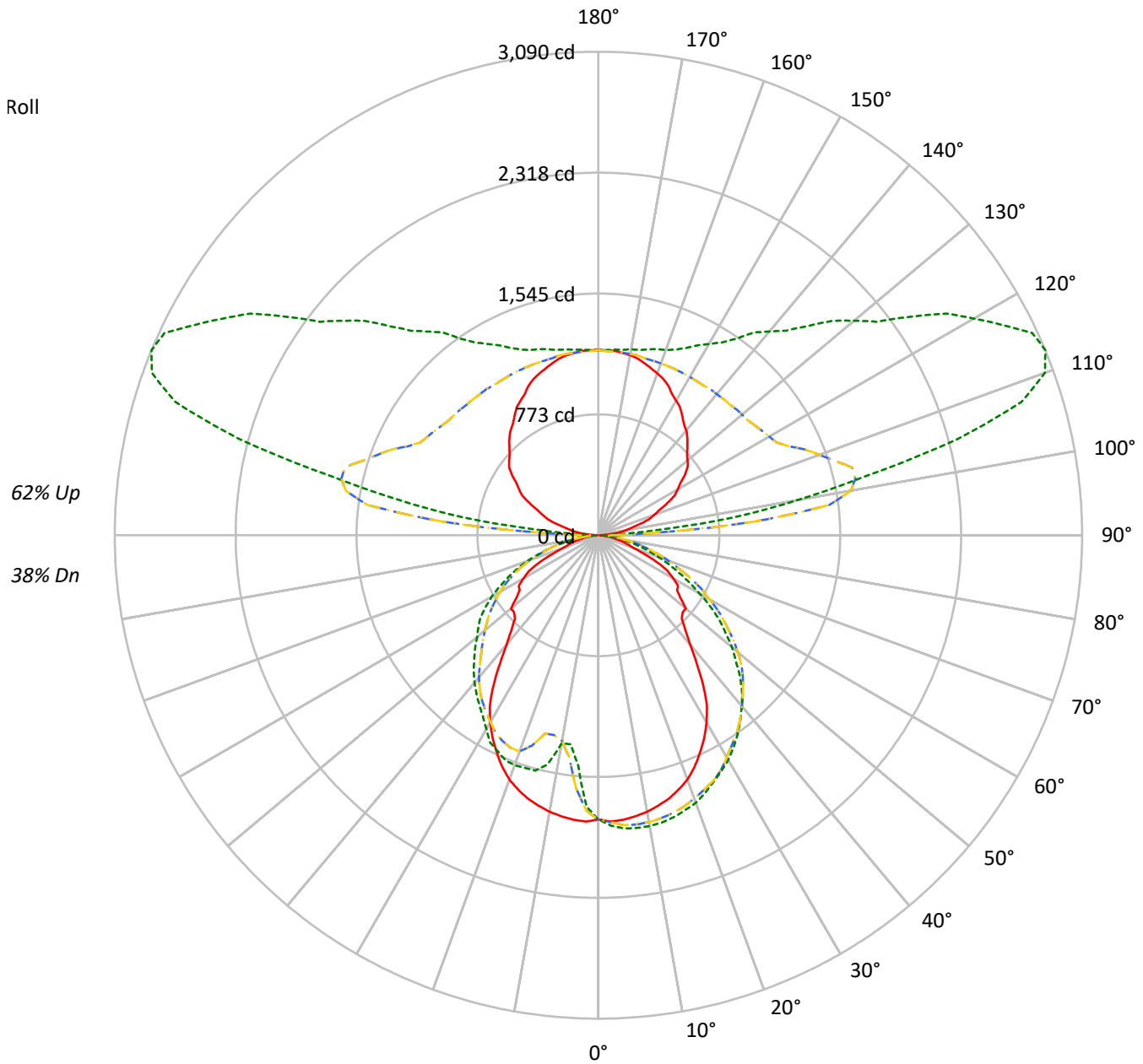
Test Method: LM-79-2019  
Report Number: P934625  
REPORT IS A COMBINATION OF REPORTS P933705 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-075U-050D-92765-1D-UNV-STD-W-12-2700K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 12386.6 lumens  
Efficiency: N/A  
Efficacy: 120.0 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 (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	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°	5618	5618	5618	5618
5°	5662	5671	5662	4459
10°	5627	5587	5627	3994
15°	5567	5466	5567	4564
20°	5453	5322	5453	4573
25°	5217	5113	5217	4477
30°	4911	4939	4911	4264
35°	4380	4720	4380	4030
40°	3652	4461	3652	3853
45°	3265	4159	3265	3650
50°	3472	3798	3472	3446
55°	3269	3409	3269	3328
60°	3375	2895	3375	3048
65°	3065	2393	3065	2675
70°	2127	1908	2127	2243
75°	1872	1410	1872	1688
80°	1519	932	1519	1015
85°	891	494	891	419

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 5002 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	164.0	1.3
10°-20°	465.5	3.8
20°-30°	719.6	5.8
30°-40°	859.1	6.9
40°-50°	864.1	7.0
50°-60°	751.9	6.1
60°-70°	533.1	4.3
70°-80°	282.0	2.3
80°-90°	74.8	0.6
90°-100°	576.9	4.7
100°-110°	1516.7	12.2
110°-120°	1572.7	12.7
120°-130°	1261.5	10.2
130°-140°	989.8	8.0
140°-150°	759.7	6.1
150°-160°	547.1	4.4
160°-170°	334.8	2.7
170°-180°	113.1	0.9
0°-30°	1349.1	10.9
0°-40°	2208.2	17.8
0°-60°	3824.3	30.9
0°-90°	4714.2	38.1
90°-120°	3666.4	29.6
90°-150°	6677.4	53.9
90°-180°	7672.0	61.9
0°-180°	12386.6	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1816	1816	1816	1816	1816	
5°	1825	1882	1825	1480	1825	173
15°	1742	1865	1742	1557	1742	490
25°	1535	1739	1535	1523	1535	705
35°	1167	1552	1167	1325	1167	722
45°	753	1278	753	1122	753	603
55°	614	944	614	921	614	564
65°	426	569	426	636	426	407
75°	162	270	162	323	162	170
85°	28	69	28	58	28	37
90°	8	30	8	30	8	8
95°	76	349	76	349	76	85
105°	273	2375	273	2375	273	290
115°	485	3058	485	3058	485	479
125°	675	2435	675	2435	675	599
135°	805	1890	805	1890	805	623
145°	933	1533	933	1533	933	585
155°	1055	1320	1055	1320	1055	485
165°	1138	1230	1138	1230	1138	321
175°	1184	1192	1184	1192	1184	112
180°	1184	1184	1184	1184	1184	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1816.4	1816.4	1816.4	1816.4	1816.4	1816.4	1816.4	1816.4	1816.4	1816.4	1816.4
2.5°	1831.8	1831.8	1842.2	1845.6	1845.6	1840.5	1835.4	1840.5	1855.9	1861.1	1859.4
5°	1825.0	1838.8	1857.6	1861.1	1864.6	1862.9	1859.4	1862.9	1880.0	1883.4	1885.1
7.5°	1811.3	1837.1	1861.1	1866.3	1871.4	1866.3	1864.6	1868.0	1885.1	1888.6	1888.6
10°	1794.1	1830.1	1857.6	1861.1	1866.3	1861.1	1861.1	1868.0	1885.1	1888.6	1890.4
12.5°	1770.0	1819.9	1845.6	1849.1	1855.9	1854.2	1852.5	1859.4	1876.6	1880.0	1880.0
15°	1742.5	1800.9	1825.0	1828.4	1840.5	1837.1	1837.1	1843.9	1862.9	1868.0	1866.3
17.5°	1704.8	1776.9	1804.4	1809.6	1818.2	1816.4	1818.2	1825.0	1842.2	1845.6	1847.4
20°	1661.8	1744.2	1776.9	1782.1	1790.7	1790.7	1790.7	1799.2	1816.4	1823.3	1823.3
22.5°	1603.4	1709.9	1744.2	1747.7	1758.0	1758.0	1761.5	1773.4	1788.9	1790.7	1790.7
25°	1534.6	1672.0	1701.3	1711.6	1721.9	1727.0	1732.3	1739.1	1744.2	1742.5	1744.2
27.5°	1462.4	1624.0	1661.8	1668.6	1682.4	1687.5	1694.4	1696.1	1697.8	1703.0	1699.5
30°	1381.6	1556.9	1613.6	1620.5	1642.8	1646.3	1639.4	1642.8	1651.5	1654.9	1658.3
32.5°	1290.6	1457.2	1563.8	1579.3	1599.9	1589.6	1587.8	1593.0	1606.8	1606.8	1610.2
35°	1166.8	1379.9	1517.4	1531.2	1546.7	1534.6	1541.4	1543.2	1551.8	1556.9	1555.2
37.5°	1031.1	1312.9	1469.3	1479.6	1491.6	1476.2	1486.4	1491.6	1498.5	1495.1	1495.1
40°	910.8	1208.1	1412.6	1419.5	1429.7	1417.8	1428.0	1431.5	1434.9	1431.5	1429.7
42.5°	821.4	1092.9	1352.4	1361.1	1354.1	1362.8	1366.2	1373.1	1367.9	1361.1	1361.1
45°	752.7	1062.0	1287.2	1297.4	1287.2	1300.9	1306.0	1306.0	1290.6	1287.2	1285.4
47.5°	730.4	1000.2	1221.8	1221.8	1216.7	1233.9	1242.4	1230.5	1215.0	1209.8	1209.8
50°	728.7	931.4	1132.5	1125.6	1149.7	1170.2	1161.7	1149.7	1137.6	1118.7	1118.7
52.5°	661.6	847.2	1017.4	1043.1	1080.9	1092.9	1079.2	1067.1	1046.6	1037.9	1031.1
55°	613.5	759.6	912.5	964.1	1003.6	1019.1	993.3	981.2	950.3	945.2	941.8
57.5°	603.2	632.4	816.3	881.5	929.7	928.0	912.5	890.2	864.4	859.3	857.5
60°	553.4	457.1	713.2	790.5	840.3	835.2	821.4	800.8	776.7	773.3	769.9
62.5°	501.8	331.7	596.3	684.0	754.4	752.7	740.7	709.7	692.5	684.0	677.1
65°	426.2	278.4	424.5	568.8	670.2	673.7	647.9	625.6	606.6	596.3	594.6
67.5°	324.8	226.9	287.0	474.3	589.4	586.0	553.4	543.1	519.0	513.8	503.5
70°	240.6	151.3	199.4	385.0	510.4	501.8	476.0	464.0	441.7	429.6	422.7
72.5°	199.4	122.0	146.1	299.0	429.6	419.3	397.0	383.2	364.3	354.0	347.1
75°	161.5	128.9	111.7	221.6	348.8	342.0	321.3	307.6	292.1	278.4	280.1
77.5°	118.6	120.3	89.3	163.2	276.7	266.4	254.4	237.2	230.3	216.5	216.5
80°	89.3	94.6	67.0	111.7	199.4	199.4	189.0	177.0	164.9	158.1	158.1
82.5°	60.1	60.1	49.8	70.5	135.7	130.6	123.8	120.3	113.4	110.0	110.0
85°	27.5	34.3	30.9	43.0	73.9	77.3	77.3	73.9	72.2	68.8	70.5
87.5°	8.6	15.5	18.9	24.1	37.8	39.5	41.3	41.3	41.3	43.0	43.0
90°	7.9	14.3	20.6	22.2	34.9	51.9	60.4	53.6	40.2	30.2	30.2
92.5°	31.8	85.8	139.8	153.3	215.5	298.4	339.9	297.9	214.0	150.9	144.9
95°	76.3	175.1	274.0	298.7	530.3	839.3	993.7	886.8	672.8	512.3	494.1
97.5°	131.9	219.1	306.3	328.1	714.4	1229.4	1487.0	1419.3	1284.1	1182.7	1148.1
100°	174.8	253.8	332.9	352.7	781.4	1352.9	1638.6	1643.6	1653.5	1660.9	1619.7
102.5°	211.3	285.1	358.8	377.3	812.0	1391.7	1681.6	1767.7	1940.0	2069.2	2033.9
105°	273.2	335.8	398.2	413.8	834.8	1396.2	1676.8	1869.9	2256.2	2545.8	2526.9
107.5°	336.8	395.0	453.3	467.9	839.1	1334.1	1581.5	1850.9	2389.6	2793.6	2798.2
110°	379.7	432.3	484.9	498.0	832.7	1279.0	1502.1	1803.2	2405.5	2857.1	2876.9



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	421.8	471.9	522.0	534.6	833.0	1230.9	1429.8	1738.0	2354.4	2816.7	2847.0
115°	485.3	531.5	577.8	589.3	840.6	1175.7	1343.2	1640.1	2233.9	2679.2	2721.3
117.5°	548.1	590.1	632.1	642.6	856.3	1141.1	1283.6	1551.5	2087.4	2489.4	2536.1
120°	584.7	624.2	663.7	673.6	869.0	1129.5	1259.8	1504.5	1994.2	2361.5	2406.8
122.5°	620.4	660.2	700.1	710.1	887.3	1123.4	1241.5	1461.9	1902.9	2233.6	2278.4
125°	675.2	711.6	748.0	757.0	911.9	1118.4	1221.7	1409.0	1783.5	2064.4	2105.7
127.5°	719.7	756.4	793.1	802.3	936.6	1115.5	1205.0	1365.8	1687.4	1928.6	1963.4
130°	743.5	783.1	822.5	832.4	954.5	1117.2	1198.6	1341.7	1628.1	1842.8	1874.9
132.5°	768.1	807.7	847.1	857.0	969.0	1118.4	1193.0	1321.2	1577.5	1769.8	1798.5
135°	804.7	840.6	876.7	885.6	985.0	1117.4	1183.6	1290.8	1505.5	1666.5	1691.3
137.5°	842.0	877.6	913.3	922.2	1008.8	1124.2	1181.9	1272.7	1454.2	1590.2	1610.5
140°	872.9	905.7	938.6	946.8	1023.3	1125.4	1176.4	1254.8	1411.5	1529.1	1548.0
142.5°	896.7	927.2	957.5	965.1	1035.5	1129.4	1176.4	1245.2	1382.9	1486.2	1502.5
145°	933.3	959.8	986.3	992.9	1051.4	1129.4	1168.4	1224.7	1337.4	1421.9	1434.3
147.5°	969.9	995.7	1021.5	1027.9	1074.7	1137.2	1168.4	1212.8	1301.3	1367.8	1378.1
150°	993.7	1017.0	1040.3	1046.1	1086.9	1141.3	1168.4	1205.9	1280.7	1336.8	1345.1
152.5°	1018.3	1036.0	1053.6	1058.0	1094.8	1143.9	1168.4	1200.4	1264.3	1312.2	1318.4
155°	1054.8	1067.9	1081.0	1084.2	1112.3	1149.7	1168.4	1193.9	1244.7	1282.8	1287.0
157.5°	1081.8	1094.6	1107.3	1110.5	1129.8	1155.5	1168.4	1188.2	1227.7	1257.4	1260.3
160°	1100.1	1110.0	1119.9	1122.4	1137.8	1158.2	1168.4	1185.4	1219.3	1244.7	1246.4
162.5°	1118.4	1125.8	1133.2	1135.1	1146.2	1161.0	1168.4	1182.7	1211.3	1232.8	1234.4
165°	1138.3	1145.0	1151.6	1153.3	1158.4	1165.1	1168.4	1178.7	1199.1	1214.5	1216.2
167.5°	1156.5	1159.6	1162.9	1163.7	1167.9	1173.6	1176.4	1183.1	1196.5	1206.5	1207.2
170°	1168.4	1171.6	1174.9	1175.6	1175.9	1176.2	1176.4	1183.1	1196.5	1206.5	1206.5
172.5°	1174.8	1175.5	1176.2	1176.4	1176.4	1176.4	1176.4	1181.7	1192.3	1200.2	1199.6
175°	1183.6	1183.6	1183.6	1183.6	1181.2	1178.0	1176.4	1179.7	1186.5	1191.5	1191.5
177.5°	1183.6	1183.6	1183.6	1183.6	1181.7	1179.2	1178.0	1180.7	1186.0	1189.9	1189.2
180°	1183.6	1183.6	1183.6	1183.6	1183.6	1183.6	1183.6	1183.6	1183.6	1183.6	1183.6



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1816.4	1816.4	1816.4	1816.4	1816.4	1816.4	1816.4	1816.4	1816.4	1816.4	1816.4
2.5°	1862.9	1857.6	1862.9	1859.4	1861.1	1855.9	1840.5	1835.4	1840.5	1845.6	1845.6
5°	1885.1	1881.7	1885.1	1885.1	1883.4	1880.0	1862.9	1859.4	1862.9	1864.6	1861.1
7.5°	1892.1	1886.9	1892.1	1888.6	1888.6	1885.1	1868.0	1864.6	1866.3	1871.4	1866.3
10°	1892.1	1886.9	1892.1	1890.4	1888.6	1885.1	1868.0	1861.1	1861.1	1866.3	1861.1
12.5°	1883.4	1880.0	1883.4	1880.0	1880.0	1876.6	1859.4	1852.5	1854.2	1855.9	1849.1
15°	1869.7	1864.6	1869.7	1866.3	1868.0	1862.9	1843.9	1837.1	1837.1	1840.5	1828.4
17.5°	1849.1	1842.2	1849.1	1847.4	1845.6	1842.2	1825.0	1818.2	1816.4	1818.2	1809.6
20°	1825.0	1819.9	1825.0	1823.3	1823.3	1816.4	1799.2	1790.7	1790.7	1790.7	1782.1
22.5°	1787.2	1782.1	1787.2	1790.7	1790.7	1788.9	1773.4	1761.5	1758.0	1758.0	1747.7
25°	1744.2	1739.1	1744.2	1744.2	1742.5	1744.2	1739.1	1732.3	1727.0	1721.9	1711.6
27.5°	1703.0	1699.5	1703.0	1699.5	1703.0	1697.8	1696.1	1694.4	1687.5	1682.4	1668.6
30°	1661.8	1658.3	1661.8	1658.3	1654.9	1651.5	1642.8	1639.4	1646.3	1642.8	1620.5
32.5°	1610.2	1606.8	1610.2	1610.2	1606.8	1606.8	1593.0	1587.8	1589.6	1599.9	1579.3
35°	1556.9	1551.8	1556.9	1555.2	1556.9	1551.8	1543.2	1541.4	1534.6	1546.7	1531.2
37.5°	1495.1	1489.9	1495.1	1495.1	1495.1	1498.5	1491.6	1486.4	1476.2	1491.6	1479.6
40°	1431.5	1424.6	1431.5	1429.7	1431.5	1434.9	1431.5	1428.0	1417.8	1429.7	1419.5
42.5°	1359.3	1357.6	1359.3	1361.1	1361.1	1367.9	1373.1	1366.2	1362.8	1354.1	1361.1
45°	1282.0	1278.5	1282.0	1285.4	1287.2	1290.6	1306.0	1306.0	1300.9	1287.2	1297.4
47.5°	1199.5	1190.9	1199.5	1209.8	1209.8	1215.0	1230.5	1242.4	1233.9	1216.7	1221.8
50°	1111.8	1113.5	1111.8	1118.7	1118.7	1137.6	1149.7	1161.7	1170.2	1149.7	1125.6
52.5°	1025.9	1024.2	1025.9	1031.1	1037.9	1046.6	1067.1	1079.2	1092.9	1080.9	1043.1
55°	940.0	943.5	940.0	941.8	945.2	950.3	981.2	993.3	1019.1	1003.6	964.1
57.5°	854.0	848.9	854.0	857.5	859.3	864.4	890.2	912.5	928.0	929.7	881.5
60°	754.4	747.5	754.4	769.9	773.3	776.7	800.8	821.4	835.2	840.3	790.5
62.5°	666.7	654.8	666.7	677.1	684.0	692.5	709.7	740.7	752.7	754.4	684.0
65°	574.0	568.8	574.0	594.6	596.3	606.6	625.6	647.9	673.7	670.2	568.8
67.5°	489.8	489.8	489.8	503.5	513.8	519.0	543.1	553.4	586.0	589.4	474.3
70°	412.5	410.8	412.5	422.7	429.6	441.7	464.0	476.0	501.8	510.4	385.0
72.5°	338.6	336.8	338.6	347.1	354.0	364.3	383.2	397.0	419.3	429.6	299.0
75°	273.2	269.8	273.2	280.1	278.4	292.1	307.6	321.3	342.0	348.8	221.6
77.5°	209.7	209.7	209.7	216.5	216.5	230.3	237.2	254.4	266.4	276.7	163.2
80°	156.4	154.7	156.4	158.1	158.1	164.9	177.0	189.0	199.4	199.4	111.7
82.5°	110.0	106.5	110.0	110.0	110.0	113.4	120.3	123.8	130.6	135.7	70.5
85°	68.8	68.8	68.8	70.5	68.8	72.2	73.9	77.3	77.3	73.9	43.0
87.5°	44.7	43.0	44.7	43.0	43.0	41.3	41.3	41.3	39.5	37.8	24.1
90°	30.2	30.2	30.2	30.2	30.2	40.2	53.6	60.4	51.9	34.9	22.2
92.5°	120.9	96.9	120.9	144.9	150.9	214.0	297.9	339.9	298.4	215.5	153.3
95°	421.4	348.7	421.4	494.1	512.3	672.8	886.8	993.7	839.3	530.3	298.7
97.5°	1009.8	871.4	1009.8	1148.1	1182.7	1284.1	1419.3	1487.0	1229.4	714.4	328.1
100°	1454.8	1290.0	1454.8	1619.7	1660.9	1653.5	1643.6	1638.6	1352.9	781.4	352.7
102.5°	1892.7	1751.5	1892.7	2033.9	2069.2	1940.0	1767.7	1681.6	1391.7	812.0	377.3
105°	2450.9	2375.0	2450.9	2526.9	2545.8	2256.2	1869.9	1676.8	1396.2	834.8	413.8
107.5°	2816.6	2834.9	2816.6	2798.2	2793.6	2389.6	1850.9	1581.5	1334.1	839.1	467.9
110°	2956.0	3035.1	2956.0	2876.9	2857.1	2405.5	1803.2	1502.1	1279.0	832.7	498.0





TEST NUMBER: P934625

CATALOG NUMBER: SQ4-FA-075U-050D-92765-1D-UNV-STD-W-12-2700K

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2968.4	3089.9	2968.4	2847.0	2816.7	2354.4	1738.0	1429.8	1230.9	833.0	534.6
115°	2889.7	3058.1	2889.7	2721.3	2679.2	2233.9	1640.1	1343.2	1175.7	840.6	589.3
117.5°	2722.8	2909.6	2722.8	2536.1	2489.4	2087.4	1551.5	1283.6	1141.1	856.3	642.6
120°	2588.3	2769.8	2588.3	2406.8	2361.5	1994.2	1504.5	1259.8	1129.5	869.0	673.6
122.5°	2457.3	2636.4	2457.3	2278.4	2233.6	1902.9	1461.9	1241.5	1123.4	887.3	710.1
125°	2270.5	2435.4	2270.5	2105.7	2064.4	1783.5	1409.0	1221.7	1118.4	911.9	757.0
127.5°	2102.5	2241.6	2102.5	1963.4	1928.6	1687.4	1365.8	1205.0	1115.5	936.6	802.3
130°	2003.4	2132.0	2003.4	1874.9	1842.8	1628.1	1341.7	1198.6	1117.2	954.5	832.4
132.5°	1913.6	2028.7	1913.6	1798.5	1769.8	1577.5	1321.2	1193.0	1118.4	969.0	857.0
135°	1790.5	1889.7	1790.5	1691.3	1666.5	1505.5	1290.8	1183.6	1117.4	985.0	885.6
137.5°	1691.7	1772.9	1691.7	1610.5	1590.2	1454.2	1272.7	1181.9	1124.2	1008.8	922.2
140°	1624.0	1699.8	1624.0	1548.0	1529.1	1411.5	1254.8	1176.4	1125.4	1023.3	946.8
142.5°	1567.8	1633.1	1567.8	1502.5	1486.2	1382.9	1245.2	1176.4	1129.4	1035.5	965.1
145°	1483.6	1533.0	1483.6	1434.3	1421.9	1337.4	1224.7	1168.4	1129.4	1051.4	992.9
147.5°	1419.0	1460.0	1419.0	1378.1	1367.8	1301.3	1212.8	1168.4	1137.2	1074.7	1027.9
150°	1378.3	1411.5	1378.3	1345.1	1336.8	1280.7	1205.9	1168.4	1141.3	1086.9	1046.1
152.5°	1343.5	1368.6	1343.5	1318.4	1312.2	1264.3	1200.4	1168.4	1143.9	1094.8	1058.0
155°	1303.6	1320.1	1303.6	1287.0	1282.8	1244.7	1193.9	1168.4	1149.7	1112.3	1084.2
157.5°	1272.0	1283.6	1272.0	1260.3	1257.4	1227.7	1188.2	1168.4	1155.5	1129.8	1110.5
160°	1253.1	1259.8	1253.1	1246.4	1244.7	1219.3	1185.4	1168.4	1158.2	1137.8	1122.4
162.5°	1240.7	1247.1	1240.7	1234.4	1232.8	1211.3	1182.7	1168.4	1161.0	1146.2	1135.1
165°	1222.9	1229.6	1222.9	1216.2	1214.5	1199.1	1178.7	1168.4	1165.1	1158.4	1153.3
167.5°	1210.1	1212.9	1210.1	1207.2	1206.5	1196.5	1183.1	1176.4	1173.6	1167.9	1163.7
170°	1206.5	1206.5	1206.5	1206.5	1206.5	1196.5	1183.1	1176.4	1176.2	1175.9	1175.6
172.5°	1197.1	1194.7	1197.1	1199.6	1200.2	1192.3	1181.7	1176.4	1176.4	1176.4	1176.4
175°	1191.5	1191.5	1191.5	1191.5	1191.5	1186.5	1179.7	1176.4	1178.0	1181.2	1183.6
177.5°	1186.4	1183.6	1186.4	1189.2	1189.9	1186.0	1180.7	1178.0	1179.2	1181.7	1183.6
180°	1183.6	1183.6	1183.6	1183.6	1183.6	1183.6	1183.6	1183.6	1183.6	1183.6	1183.6



TEST NUMBER: P934625  
 CATALOG NUMBER: SQ4-FA-075U-050D-92765-1D-UNV-STD-W-12-2700K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1816.4	1816.4	1816.4	1816.4	1816.4	1816.4	1816.4	1816.4	1816.4	1816.4	1816.4
2.5°	1842.2	1831.8	1831.8	1814.7	1807.8	1802.6	1794.1	1768.3	1761.5	1754.5	1764.9
5°	1857.6	1838.8	1825.0	1794.1	1768.3	1758.0	1725.3	1663.5	1622.2	1591.3	1574.2
7.5°	1861.1	1837.1	1811.3	1763.2	1701.3	1673.7	1574.2	1460.7	1429.7	1402.3	1385.1
10°	1857.6	1830.1	1794.1	1721.9	1575.9	1527.7	1428.0	1354.1	1335.3	1330.1	1335.3
12.5°	1845.6	1819.9	1770.0	1649.7	1445.3	1412.6	1354.1	1311.2	1307.8	1316.4	1362.8
15°	1825.0	1800.9	1742.5	1553.5	1373.1	1349.0	1307.8	1292.3	1311.2	1371.3	1510.5
17.5°	1804.4	1776.9	1704.8	1459.0	1318.1	1300.9	1271.6	1302.6	1409.1	1489.9	1536.3
20°	1776.9	1744.2	1661.8	1390.3	1278.5	1263.1	1249.3	1388.6	1469.3	1498.5	1524.3
22.5°	1744.2	1709.9	1603.4	1342.1	1237.3	1225.2	1233.9	1436.6	1469.3	1489.9	1512.2
25°	1701.3	1672.0	1534.6	1304.3	1204.7	1190.9	1223.5	1431.5	1450.4	1455.5	1500.2
27.5°	1661.8	1624.0	1462.4	1269.9	1165.1	1160.0	1232.2	1409.1	1422.9	1428.0	1476.2
30°	1613.6	1556.9	1381.6	1233.9	1123.9	1122.2	1233.9	1381.6	1378.2	1392.0	1440.1
32.5°	1563.8	1457.2	1290.6	1189.2	1084.3	1082.6	1221.8	1340.4	1337.0	1355.8	1392.0
35°	1517.4	1379.9	1166.8	1137.6	1034.5	1036.2	1192.6	1292.3	1294.0	1311.2	1333.6
37.5°	1469.3	1312.9	1031.1	1080.9	986.4	986.4	1153.1	1247.6	1244.2	1249.3	1280.3
40°	1412.6	1208.1	910.8	1007.0	941.8	936.6	1105.0	1199.5	1187.5	1185.8	1228.7
42.5°	1352.4	1092.9	821.4	909.0	890.2	883.3	1046.6	1141.0	1118.7	1123.9	1178.9
45°	1287.2	1062.0	752.7	768.1	836.9	831.7	982.9	1074.1	1058.6	1072.4	1129.1
47.5°	1221.8	1000.2	730.4	637.5	780.2	778.5	912.5	1008.7	1000.2	1013.9	1074.1
50°	1132.5	931.4	728.7	546.5	716.6	723.4	828.3	945.2	945.2	957.2	1020.8
52.5°	1017.4	847.2	661.6	494.9	642.7	663.3	754.4	890.2	893.6	905.6	962.3
55°	912.5	759.6	613.5	455.4	555.1	599.8	682.2	833.5	840.3	852.3	903.9
57.5°	816.3	632.4	603.2	409.0	474.3	517.3	618.6	778.5	781.9	792.2	842.1
60°	713.2	457.1	553.4	359.2	403.8	436.5	560.2	713.2	725.2	732.1	775.0
62.5°	596.3	331.7	501.8	324.8	369.5	376.3	512.1	651.3	666.7	671.9	697.7
65°	424.5	278.4	426.2	295.6	333.4	335.1	460.5	587.7	601.5	610.0	629.0
67.5°	287.0	226.9	324.8	268.1	305.9	307.6	410.8	513.8	532.7	539.6	551.6
70°	199.4	151.3	240.6	238.9	274.9	278.4	357.5	446.8	464.0	469.2	476.0
72.5°	146.1	122.0	199.4	214.8	242.3	245.7	302.4	371.2	388.4	393.5	397.0
75°	111.7	128.9	161.5	187.3	206.2	207.9	247.4	302.4	314.5	317.9	319.6
77.5°	89.3	120.3	118.6	151.3	168.4	164.9	194.2	233.7	244.0	244.0	244.0
80°	67.0	94.6	89.3	108.3	123.8	120.3	139.2	166.7	170.1	173.6	171.9
82.5°	49.8	60.1	60.1	68.8	82.5	79.1	92.8	108.3	108.3	108.3	111.7
85°	30.9	34.3	27.5	36.1	46.4	44.7	51.6	58.4	60.1	60.1	56.7
87.5°	18.9	15.5	8.6	13.8	20.6	20.6	24.1	25.8	24.1	24.1	24.1
90°	20.6	14.3	7.9	14.3	20.6	22.2	34.9	51.9	60.4	53.6	40.2
92.5°	139.8	85.8	31.8	85.8	139.8	153.3	215.5	298.4	339.9	297.9	214.0
95°	274.0	175.1	76.3	175.1	274.0	298.7	530.3	839.3	993.7	886.8	672.8
97.5°	306.3	219.1	131.9	219.1	306.3	328.1	714.4	1229.4	1487.0	1419.3	1284.1
100°	332.9	253.8	174.8	253.8	332.9	352.7	781.4	1352.9	1638.6	1643.6	1653.5
102.5°	358.8	285.1	211.3	285.1	358.8	377.3	812.0	1391.7	1681.6	1767.7	1940.0
105°	398.2	335.8	273.2	335.8	398.2	413.8	834.8	1396.2	1676.8	1869.9	2256.2
107.5°	453.3	395.0	336.8	395.0	453.3	467.9	839.1	1334.1	1581.5	1850.9	2389.6
110°	484.9	432.3	379.7	432.3	484.9	498.0	832.7	1279.0	1502.1	1803.2	2405.5



TEST NUMBER: P934625

CATALOG NUMBER: SQ4-FA-075U-050D-92765-1D-UNV-STD-W-12-2700K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	522.0	471.9	421.8	471.9	522.0	534.6	833.0	1230.9	1429.8	1738.0	2354.4
115°	577.8	531.5	485.3	531.5	577.8	589.3	840.6	1175.7	1343.2	1640.1	2233.9
117.5°	632.1	590.1	548.1	590.1	632.1	642.6	856.3	1141.1	1283.6	1551.5	2087.4
120°	663.7	624.2	584.7	624.2	663.7	673.6	869.0	1129.5	1259.8	1504.5	1994.2
122.5°	700.1	660.2	620.4	660.2	700.1	710.1	887.3	1123.4	1241.5	1461.9	1902.9
125°	748.0	711.6	675.2	711.6	748.0	757.0	911.9	1118.4	1221.7	1409.0	1783.5
127.5°	793.1	756.4	719.7	756.4	793.1	802.3	936.6	1115.5	1205.0	1365.8	1687.4
130°	822.5	783.1	743.5	783.1	822.5	832.4	954.5	1117.2	1198.6	1341.7	1628.1
132.5°	847.1	807.7	768.1	807.7	847.1	857.0	969.0	1118.4	1193.0	1321.2	1577.5
135°	876.7	840.6	804.7	840.6	876.7	885.6	985.0	1117.4	1183.6	1290.8	1505.5
137.5°	913.3	877.6	842.0	877.6	913.3	922.2	1008.8	1124.2	1181.9	1272.7	1454.2
140°	938.6	905.7	872.9	905.7	938.6	946.8	1023.3	1125.4	1176.4	1254.8	1411.5
142.5°	957.5	927.2	896.7	927.2	957.5	965.1	1035.5	1129.4	1176.4	1245.2	1382.9
145°	986.3	959.8	933.3	959.8	986.3	992.9	1051.4	1129.4	1168.4	1224.7	1337.4
147.5°	1021.5	995.7	969.9	995.7	1021.5	1027.9	1074.7	1137.2	1168.4	1212.8	1301.3
150°	1040.3	1017.0	993.7	1017.0	1040.3	1046.1	1086.9	1141.3	1168.4	1205.9	1280.7
152.5°	1053.6	1036.0	1018.3	1036.0	1053.6	1058.0	1094.8	1143.9	1168.4	1200.4	1264.3
155°	1081.0	1067.9	1054.8	1067.9	1081.0	1084.2	1112.3	1149.7	1168.4	1193.9	1244.7
157.5°	1107.3	1094.6	1081.8	1094.6	1107.3	1110.5	1129.8	1155.5	1168.4	1188.2	1227.7
160°	1119.9	1110.0	1100.1	1110.0	1119.9	1122.4	1137.8	1158.2	1168.4	1185.4	1219.3
162.5°	1133.2	1125.8	1118.4	1125.8	1133.2	1135.1	1146.2	1161.0	1168.4	1182.7	1211.3
165°	1151.6	1145.0	1138.3	1145.0	1151.6	1153.3	1158.4	1165.1	1168.4	1178.7	1199.1
167.5°	1162.9	1159.6	1156.5	1159.6	1162.9	1163.7	1167.9	1173.6	1176.4	1183.1	1196.5
170°	1174.9	1171.6	1168.4	1171.6	1174.9	1175.6	1175.9	1176.2	1176.4	1183.1	1196.5
172.5°	1176.2	1175.5	1174.8	1175.5	1176.2	1176.4	1176.4	1176.4	1176.4	1181.7	1192.3
175°	1183.6	1183.6	1183.6	1183.6	1183.6	1183.6	1181.2	1178.0	1176.4	1179.7	1186.5
177.5°	1183.6	1183.6	1183.6	1183.6	1183.6	1183.6	1181.7	1179.2	1178.0	1180.7	1186.0
180°	1183.6	1183.6	1183.6	1183.6	1183.6	1183.6	1183.6	1183.6	1183.6	1183.6	1183.6



TEST NUMBER: P934625  
 CATALOG NUMBER: SQ4-FA-075U-050D-92765-1D-UNV-STD-W-12-2700K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1816.4	1816.4	1816.4	1816.4	1816.4	1816.4	1816.4	1816.4	1816.4	1816.4	1816.4
2.5°	1752.8	1747.7	1754.5	1735.7	1754.5	1747.7	1752.8	1764.9	1754.5	1761.5	1768.3
5°	1538.0	1529.4	1502.0	1479.6	1502.0	1529.4	1538.0	1574.2	1591.3	1622.2	1663.5
7.5°	1374.8	1367.9	1361.1	1347.3	1361.1	1367.9	1374.8	1385.1	1402.3	1429.7	1460.7
10°	1338.7	1340.4	1350.7	1349.0	1350.7	1340.4	1338.7	1335.3	1330.1	1335.3	1354.1
12.5°	1431.5	1447.0	1503.7	1500.2	1503.7	1447.0	1431.5	1362.8	1316.4	1307.8	1311.2
15°	1538.0	1543.2	1555.2	1556.9	1555.2	1543.2	1538.0	1510.5	1371.3	1311.2	1292.3
17.5°	1548.4	1550.1	1558.6	1558.6	1558.6	1550.1	1548.4	1536.3	1489.9	1409.1	1302.6
20°	1539.7	1543.2	1560.4	1563.8	1560.4	1543.2	1539.7	1524.3	1498.5	1469.3	1388.6
22.5°	1536.3	1543.2	1556.9	1555.2	1556.9	1543.2	1536.3	1512.2	1489.9	1469.3	1436.6
25°	1519.2	1519.2	1520.9	1522.6	1520.9	1519.2	1519.2	1500.2	1455.5	1450.4	1431.5
27.5°	1483.0	1486.4	1496.8	1495.1	1496.8	1486.4	1483.0	1476.2	1428.0	1422.9	1409.1
30°	1450.4	1447.0	1438.4	1431.5	1438.4	1447.0	1450.4	1440.1	1392.0	1378.2	1381.6
32.5°	1395.4	1386.8	1378.2	1373.1	1378.2	1386.8	1395.4	1392.0	1355.8	1337.0	1340.4
35°	1330.1	1331.8	1330.1	1324.9	1330.1	1331.8	1330.1	1333.6	1311.2	1294.0	1292.3
37.5°	1283.7	1287.2	1285.4	1278.5	1285.4	1287.2	1283.7	1280.3	1249.3	1244.2	1247.6
40°	1235.6	1237.3	1235.6	1230.5	1235.6	1237.3	1235.6	1228.7	1185.8	1187.5	1199.5
42.5°	1189.2	1187.5	1182.3	1178.9	1182.3	1187.5	1189.2	1178.9	1123.9	1118.7	1141.0
45°	1135.9	1137.6	1127.3	1122.2	1127.3	1137.6	1135.9	1129.1	1072.4	1058.6	1074.1
47.5°	1082.6	1082.6	1074.1	1068.9	1074.1	1082.6	1082.6	1074.1	1013.9	1000.2	1008.7
50°	1025.9	1024.2	1012.1	1010.4	1012.1	1024.2	1025.9	1020.8	957.2	945.2	945.2
52.5°	960.6	960.6	962.3	965.8	962.3	960.6	960.6	962.3	905.6	893.6	890.2
55°	903.9	905.6	917.7	921.1	917.7	905.6	903.9	903.9	852.3	840.3	833.5
57.5°	845.5	845.5	854.0	854.0	854.0	845.5	845.5	842.1	792.2	781.9	778.5
60°	778.5	781.9	788.8	787.1	788.8	781.9	778.5	775.0	732.1	725.2	713.2
62.5°	708.0	711.5	713.2	709.7	713.2	711.5	708.0	697.7	671.9	666.7	651.3
65°	634.1	637.5	639.2	635.8	639.2	637.5	634.1	629.0	610.0	601.5	587.7
67.5°	558.5	556.8	555.1	561.9	555.1	556.8	558.5	551.6	539.6	532.7	513.8
70°	481.1	481.1	479.4	482.9	479.4	481.1	481.1	476.0	469.2	464.0	446.8
72.5°	398.7	397.0	403.8	398.7	403.8	397.0	398.7	397.0	393.5	388.4	371.2
75°	317.9	321.3	317.9	323.0	317.9	321.3	317.9	319.6	317.9	314.5	302.4
77.5°	242.3	245.7	242.3	242.3	242.3	245.7	242.3	244.0	244.0	244.0	233.7
80°	171.9	170.1	170.1	168.4	170.1	170.1	171.9	171.9	173.6	170.1	166.7
82.5°	110.0	108.3	108.3	111.7	108.3	108.3	110.0	111.7	108.3	108.3	108.3
85°	60.1	61.8	58.4	58.4	58.4	61.8	60.1	56.7	60.1	60.1	58.4
87.5°	22.4	20.6	20.6	20.6	20.6	20.6	22.4	24.1	24.1	24.1	25.8
90°	30.2	30.2	30.2	30.2	30.2	30.2	30.2	40.2	53.6	60.4	51.9
92.5°	150.9	144.9	120.9	96.9	120.9	144.9	150.9	214.0	297.9	339.9	298.4
95°	512.3	494.1	421.4	348.7	421.4	494.1	512.3	672.8	886.8	993.7	839.3
97.5°	1182.7	1148.1	1009.8	871.4	1009.8	1148.1	1182.7	1284.1	1419.3	1487.0	1229.4
100°	1660.9	1619.7	1454.8	1290.0	1454.8	1619.7	1660.9	1653.5	1643.6	1638.6	1352.9
102.5°	2069.2	2033.9	1892.7	1751.5	1892.7	2033.9	2069.2	1940.0	1767.7	1681.6	1391.7
105°	2545.8	2526.9	2450.9	2375.0	2450.9	2526.9	2545.8	2256.2	1869.9	1676.8	1396.2
107.5°	2793.6	2798.2	2816.6	2834.9	2816.6	2798.2	2793.6	2389.6	1850.9	1581.5	1334.1
110°	2857.1	2876.9	2956.0	3035.1	2956.0	2876.9	2857.1	2405.5	1803.2	1502.1	1279.0



TEST NUMBER: P934625

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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2816.7	2847.0	2968.4	3089.9	2968.4	2847.0	2816.7	2354.4	1738.0	1429.8	1230.9
115°	2679.2	2721.3	2889.7	3058.1	2889.7	2721.3	2679.2	2233.9	1640.1	1343.2	1175.7
117.5°	2489.4	2536.1	2722.8	2909.6	2722.8	2536.1	2489.4	2087.4	1551.5	1283.6	1141.1
120°	2361.5	2406.8	2588.3	2769.8	2588.3	2406.8	2361.5	1994.2	1504.5	1259.8	1129.5
122.5°	2233.6	2278.4	2457.3	2636.4	2457.3	2278.4	2233.6	1902.9	1461.9	1241.5	1123.4
125°	2064.4	2105.7	2270.5	2435.4	2270.5	2105.7	2064.4	1783.5	1409.0	1221.7	1118.4
127.5°	1928.6	1963.4	2102.5	2241.6	2102.5	1963.4	1928.6	1687.4	1365.8	1205.0	1115.5
130°	1842.8	1874.9	2003.4	2132.0	2003.4	1874.9	1842.8	1628.1	1341.7	1198.6	1117.2
132.5°	1769.8	1798.5	1913.6	2028.7	1913.6	1798.5	1769.8	1577.5	1321.2	1193.0	1118.4
135°	1666.5	1691.3	1790.5	1889.7	1790.5	1691.3	1666.5	1505.5	1290.8	1183.6	1117.4
137.5°	1590.2	1610.5	1691.7	1772.9	1691.7	1610.5	1590.2	1454.2	1272.7	1181.9	1124.2
140°	1529.1	1548.0	1624.0	1699.8	1624.0	1548.0	1529.1	1411.5	1254.8	1176.4	1125.4
142.5°	1486.2	1502.5	1567.8	1633.1	1567.8	1502.5	1486.2	1382.9	1245.2	1176.4	1129.4
145°	1421.9	1434.3	1483.6	1533.0	1483.6	1434.3	1421.9	1337.4	1224.7	1168.4	1129.4
147.5°	1367.8	1378.1	1419.0	1460.0	1419.0	1378.1	1367.8	1301.3	1212.8	1168.4	1137.2
150°	1336.8	1345.1	1378.3	1411.5	1378.3	1345.1	1336.8	1280.7	1205.9	1168.4	1141.3
152.5°	1312.2	1318.4	1343.5	1368.6	1343.5	1318.4	1312.2	1264.3	1200.4	1168.4	1143.9
155°	1282.8	1287.0	1303.6	1320.1	1303.6	1287.0	1282.8	1244.7	1193.9	1168.4	1149.7
157.5°	1257.4	1260.3	1272.0	1283.6	1272.0	1260.3	1257.4	1227.7	1188.2	1168.4	1155.5
160°	1244.7	1246.4	1253.1	1259.8	1253.1	1246.4	1244.7	1219.3	1185.4	1168.4	1158.2
162.5°	1232.8	1234.4	1240.7	1247.1	1240.7	1234.4	1232.8	1211.3	1182.7	1168.4	1161.0
165°	1214.5	1216.2	1222.9	1229.6	1222.9	1216.2	1214.5	1199.1	1178.7	1168.4	1165.1
167.5°	1206.5	1207.2	1210.1	1212.9	1210.1	1207.2	1206.5	1196.5	1183.1	1176.4	1173.6
170°	1206.5	1206.5	1206.5	1206.5	1206.5	1206.5	1206.5	1196.5	1183.1	1176.4	1176.2
172.5°	1200.2	1199.6	1197.1	1194.7	1197.1	1199.6	1200.2	1192.3	1181.7	1176.4	1176.4
175°	1191.5	1191.5	1191.5	1191.5	1191.5	1191.5	1191.5	1186.5	1179.7	1176.4	1178.0
177.5°	1189.9	1189.2	1186.4	1183.6	1186.4	1189.2	1189.9	1186.0	1180.7	1178.0	1179.2
180°	1183.6	1183.6	1183.6	1183.6	1183.6	1183.6	1183.6	1183.6	1183.6	1183.6	1183.6



TEST NUMBER: P934625

CATALOG NUMBER: SQ4-FA-075U-050D-92765-1D-UNV-STD-W-12-2700K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	1816.4	1816.4	1816.4	1816.4	1816.4
2.5°	1794.1	1802.6	1807.8	1814.7	1831.8
5°	1725.3	1758.0	1768.3	1794.1	1825.0
7.5°	1574.2	1673.7	1701.3	1763.2	1811.3
10°	1428.0	1527.7	1575.9	1721.9	1794.1
12.5°	1354.1	1412.6	1445.3	1649.7	1770.0
15°	1307.8	1349.0	1373.1	1553.5	1742.5
17.5°	1271.6	1300.9	1318.1	1459.0	1704.8
20°	1249.3	1263.1	1278.5	1390.3	1661.8
22.5°	1233.9	1225.2	1237.3	1342.1	1603.4
25°	1223.5	1190.9	1204.7	1304.3	1534.6
27.5°	1232.2	1160.0	1165.1	1269.9	1462.4
30°	1233.9	1122.2	1123.9	1233.9	1381.6
32.5°	1221.8	1082.6	1084.3	1189.2	1290.6
35°	1192.6	1036.2	1034.5	1137.6	1166.8
37.5°	1153.1	986.4	986.4	1080.9	1031.1
40°	1105.0	936.6	941.8	1007.0	910.8
42.5°	1046.6	883.3	890.2	909.0	821.4
45°	982.9	831.7	836.9	768.1	752.7
47.5°	912.5	778.5	780.2	637.5	730.4
50°	828.3	723.4	716.6	546.5	728.7
52.5°	754.4	663.3	642.7	494.9	661.6
55°	682.2	599.8	555.1	455.4	613.5
57.5°	618.6	517.3	474.3	409.0	603.2
60°	560.2	436.5	403.8	359.2	553.4
62.5°	512.1	376.3	369.5	324.8	501.8
65°	460.5	335.1	333.4	295.6	426.2
67.5°	410.8	307.6	305.9	268.1	324.8
70°	357.5	278.4	274.9	238.9	240.6
72.5°	302.4	245.7	242.3	214.8	199.4
75°	247.4	207.9	206.2	187.3	161.5
77.5°	194.2	164.9	168.4	151.3	118.6
80°	139.2	120.3	123.8	108.3	89.3
82.5°	92.8	79.1	82.5	68.8	60.1
85°	51.6	44.7	46.4	36.1	27.5
87.5°	24.1	20.6	20.6	13.8	8.6
90°	34.9	22.2	20.6	14.3	7.9
92.5°	215.5	153.3	139.8	85.8	31.8
95°	530.3	298.7	274.0	175.1	76.3
97.5°	714.4	328.1	306.3	219.1	131.9
100°	781.4	352.7	332.9	253.8	174.8
102.5°	812.0	377.3	358.8	285.1	211.3
105°	834.8	413.8	398.2	335.8	273.2
107.5°	839.1	467.9	453.3	395.0	336.8
110°	832.7	498.0	484.9	432.3	379.7



TEST NUMBER: P934625

CATALOG NUMBER: SQ4-FA-075U-050D-92765-1D-UNV-STD-W-12-2700K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	833.0	534.6	522.0	471.9	421.8
115°	840.6	589.3	577.8	531.5	485.3
117.5°	856.3	642.6	632.1	590.1	548.1
120°	869.0	673.6	663.7	624.2	584.7
122.5°	887.3	710.1	700.1	660.2	620.4
125°	911.9	757.0	748.0	711.6	675.2
127.5°	936.6	802.3	793.1	756.4	719.7
130°	954.5	832.4	822.5	783.1	743.5
132.5°	969.0	857.0	847.1	807.7	768.1
135°	985.0	885.6	876.7	840.6	804.7
137.5°	1008.8	922.2	913.3	877.6	842.0
140°	1023.3	946.8	938.6	905.7	872.9
142.5°	1035.5	965.1	957.5	927.2	896.7
145°	1051.4	992.9	986.3	959.8	933.3
147.5°	1074.7	1027.9	1021.5	995.7	969.9
150°	1086.9	1046.1	1040.3	1017.0	993.7
152.5°	1094.8	1058.0	1053.6	1036.0	1018.3
155°	1112.3	1084.2	1081.0	1067.9	1054.8
157.5°	1129.8	1110.5	1107.3	1094.6	1081.8
160°	1137.8	1122.4	1119.9	1110.0	1100.1
162.5°	1146.2	1135.1	1133.2	1125.8	1118.4
165°	1158.4	1153.3	1151.6	1145.0	1138.3
167.5°	1167.9	1163.7	1162.9	1159.6	1156.5
170°	1175.9	1175.6	1174.9	1171.6	1168.4
172.5°	1176.4	1176.4	1176.2	1175.5	1174.8
175°	1181.2	1183.6	1183.6	1183.6	1183.6
177.5°	1181.7	1183.6	1183.6	1183.6	1183.6
180°	1183.6	1183.6	1183.6	1183.6	1183.6



TEST NUMBER: P934625  
 CATALOG NUMBER: SQ4-FA-075U-050D-92765-1D-UNV-STD-W-12-2700K

**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	9.59	10.36	10.65	11.41	12.85	12.44	13.21	13.50	14.26	15.70
	3H	10.06	10.75	11.13	11.81	13.26	13.79	14.47	14.85	15.54	16.99
	4H	10.25	10.90	11.32	11.96	13.42	14.23	14.88	15.31	15.95	17.41
	6H	10.36	10.96	11.45	12.03	13.50	14.52	15.11	15.60	16.19	17.66
	8H	10.36	10.93	11.45	12.02	13.48	14.59	15.16	15.68	16.25	17.71
	12H	10.33	10.87	11.42	11.95	13.44	14.63	15.17	15.72	16.25	17.74
4H	2H	10.62	11.27	11.70	12.33	13.79	12.84	13.49	13.92	14.56	16.01
	3H	11.64	12.18	12.72	13.27	14.74	14.34	14.88	15.43	15.98	17.45
	4H	11.91	12.40	13.00	13.49	14.98	14.87	15.37	15.97	16.45	17.94
	6H	12.03	12.45	13.13	13.56	15.05	15.24	15.66	16.34	16.77	18.26
	8H	12.03	12.43	13.13	13.53	15.03	15.34	15.74	16.45	16.84	18.34
	12H	11.99	12.35	13.11	13.47	14.97	15.40	15.76	16.52	16.87	18.38
8H	4H	12.36	12.75	13.46	13.85	15.36	14.99	15.38	16.09	16.48	17.99
	6H	12.61	12.94	13.74	14.09	15.58	15.43	15.75	16.55	16.90	18.39
	8H	12.66	12.94	13.79	14.07	15.58	15.58	15.87	16.71	16.99	18.51
	12H	12.64	12.89	13.77	14.01	15.56	15.68	15.93	16.81	17.05	18.61
12H	4H	12.36	12.72	13.48	13.83	15.34	14.95	15.31	16.07	16.42	17.93
	6H	12.68	12.96	13.81	14.09	15.60	15.42	15.71	16.55	16.83	18.35
	8H	12.74	12.99	13.87	14.11	15.66	15.58	15.83	16.72	16.95	18.51