

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: P935121

Luminaire Tested: SQ4-FA-100U-075D-927-1D-UNV-STD-W-12

Issue Date: 12/17/2024

**Test Information**

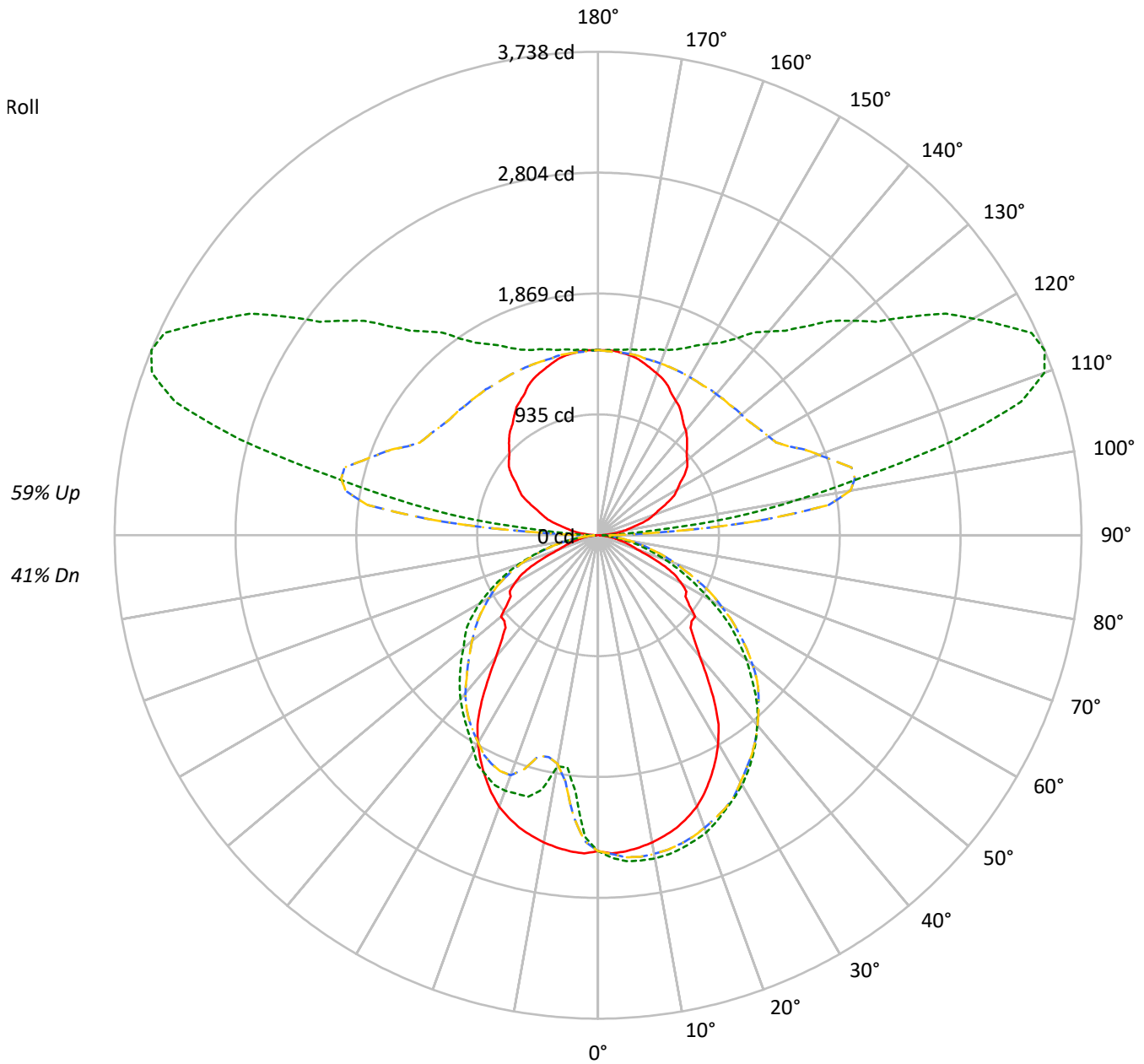
Test Method: LM-79-2019  
Report Number: P935121  
REPORT IS A COMBINATION OF REPORTS P933741 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-100U-075D-927-1D-UNV-STD-W-12  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 15617.1 lumens  
Efficiency: N/A  
Efficacy: 105.8 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: General Diffuse  
  
Input Watts (W): 147.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

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### Luminous Intensity Polar Plot



— 0°-180°    - - 45°-225°    - · - · 90°-270°    - · - · 135°-315°



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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20				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	105	105	105	105	96	96	96	96	78	78	78	62	62	62	47	47	47	47	47	47	41
1	96	91	88	84	87	83	80	77	68	66	64	55	53	52	42	41	40	40	40	40	34
2	87	80	74	69	79	73	68	63	60	56	53	48	45	43	37	35	34	34	34	34	29
3	79	70	63	57	72	64	58	53	53	48	45	42	39	37	33	31	29	29	29	29	24
4	73	62	54	48	66	57	50	45	47	42	38	38	34	31	29	27	25	25	25	25	21
5	67	55	47	41	60	51	44	38	42	37	33	34	30	27	26	24	22	22	22	22	18
6	61	49	41	36	56	45	38	33	38	32	28	31	27	24	24	21	19	19	19	19	16
7	57	45	37	31	51	41	34	29	34	29	25	28	24	21	22	19	17	17	17	17	14
8	52	40	33	27	48	37	30	26	31	26	22	25	21	18	20	17	15	15	15	15	13
9	49	37	29	24	44	34	27	23	28	23	20	23	19	17	18	16	13	13	13	13	11
10	46	34	26	22	41	31	25	20	26	21	18	21	18	15	17	14	12	12	12	12	10

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

	0°	90°	180°	270°
0°	7552	7552	7552	7552
5°	7612	7624	7612	5994
10°	7564	7510	7564	5369
15°	7484	7347	7484	6135
20°	7331	7155	7331	6148
25°	7013	6873	7013	6017
30°	6601	6640	6601	5731
35°	5888	6345	5888	5417
40°	4909	5997	4909	5180
45°	4389	5590	4389	4906
50°	4667	5105	4667	4632
55°	4395	4582	4395	4474
60°	4536	3892	4536	4098
65°	4119	3217	4119	3596
70°	2859	2564	2859	3014
75°	2516	1895	2516	2270
80°	2043	1253	2043	1364
85°	1199	664	1199	564

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 6723 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	220.4	1.4
10°-20°	625.8	4.0
20°-30°	967.4	6.2
30°-40°	1154.8	7.4
40°-50°	1161.6	7.4
50°-60°	1010.7	6.5
60°-70°	716.6	4.6
70°-80°	379.1	2.4
80°-90°	99.9	0.6
90°-100°	697.8	4.5
100°-110°	1834.7	11.7
110°-120°	1902.4	12.2
120°-130°	1525.9	9.8
130°-140°	1197.3	7.7
140°-150°	919.0	5.9
150°-160°	661.8	4.2
160°-170°	404.9	2.6
170°-180°	136.8	0.9
0°-30°	1813.6	11.6
0°-40°	2968.4	19.0
0°-60°	5140.7	32.9
0°-90°	6336.3	40.6
90°-120°	4434.9	28.4
90°-150°	8077.2	51.7
90°-180°	9281.0	59.4
0°-180°	15617.1	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	2442	2442	2442	2442	2442	
5°	2453	2530	2453	1989	2453	233
15°	2342	2506	2342	2093	2342	659
25°	2063	2338	2063	2047	2063	947
35°	1568	2086	1568	1781	1568	970
45°	1012	1719	1012	1508	1012	810
55°	825	1268	825	1238	825	758
65°	573	765	573	855	573	548
75°	217	363	217	434	217	228
85°	37	92	37	78	37	50
90°	10	36	10	36	10	9
95°	92	422	92	422	92	102
105°	331	2873	331	2873	331	350
115°	587	3699	587	3699	587	580
125°	817	2946	817	2946	817	725
135°	973	2286	973	2286	973	753
145°	1129	1854	1129	1854	1129	707
155°	1276	1597	1276	1597	1276	586
165°	1377	1487	1377	1487	1377	389
175°	1432	1441	1432	1441	1432	136
180°	1432	1432	1432	1432	1432	



TEST NUMBER: P935121

CATALOG NUMBER: SQ4-FA-100U-075D-927-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2441.7	2441.7	2441.7	2441.7	2441.7	2441.7	2441.7	2441.7	2441.7	2441.7	2441.7
2.5°	2462.5	2462.5	2476.4	2481.0	2481.0	2474.1	2467.2	2474.1	2494.9	2501.8	2499.5
5°	2453.3	2471.8	2497.2	2501.8	2506.4	2504.1	2499.5	2504.1	2527.2	2531.8	2534.1
7.5°	2434.8	2469.5	2501.8	2508.7	2515.7	2508.7	2506.4	2511.0	2534.1	2538.8	2538.8
10°	2411.7	2460.2	2497.2	2501.8	2508.7	2501.8	2501.8	2511.0	2534.1	2538.8	2541.1
12.5°	2379.4	2446.4	2481.0	2485.6	2494.9	2492.6	2490.3	2499.5	2522.6	2527.2	2527.2
15°	2342.4	2421.0	2453.3	2457.9	2474.1	2469.5	2469.5	2478.7	2504.1	2511.0	2508.7
17.5°	2291.6	2388.6	2425.6	2432.5	2444.1	2441.7	2444.1	2453.3	2476.4	2481.0	2483.3
20°	2233.8	2344.7	2388.6	2395.5	2407.1	2407.1	2407.1	2418.6	2441.7	2451.0	2451.0
22.5°	2155.3	2298.5	2344.7	2349.3	2363.2	2363.2	2367.8	2384.0	2404.8	2407.1	2407.1
25°	2062.9	2247.7	2287.0	2300.8	2314.7	2321.6	2328.6	2337.8	2344.7	2342.4	2344.7
27.5°	1965.8	2183.0	2233.8	2243.1	2261.6	2268.5	2277.7	2280.0	2282.4	2289.3	2284.7
30°	1857.2	2092.9	2169.2	2178.4	2208.4	2213.1	2203.8	2208.4	2220.0	2224.6	2229.2
32.5°	1734.8	1958.9	2102.2	2123.0	2150.7	2136.8	2134.5	2141.4	2159.9	2159.9	2164.5
35°	1568.5	1854.9	2039.8	2058.3	2079.1	2062.9	2072.1	2074.5	2086.0	2092.9	2090.6
37.5°	1386.0	1764.8	1975.0	1988.9	2005.1	1984.3	1998.2	2005.1	2014.3	2009.7	2009.7
40°	1224.3	1623.9	1898.8	1908.1	1921.9	1905.8	1919.6	1924.2	1928.8	1924.2	1921.9
42.5°	1104.2	1469.2	1818.0	1829.5	1820.3	1831.8	1836.4	1845.7	1838.8	1829.5	1829.5
45°	1011.8	1427.6	1730.2	1744.0	1730.2	1748.7	1755.6	1755.6	1734.8	1730.2	1727.9
47.5°	981.8	1344.4	1642.4	1642.4	1635.5	1658.6	1670.1	1654.0	1633.2	1626.2	1626.2
50°	979.4	1252.0	1522.3	1513.0	1545.4	1573.1	1561.6	1545.4	1529.2	1503.8	1503.8
52.5°	889.4	1138.8	1367.5	1402.2	1453.0	1469.2	1450.7	1434.5	1406.8	1395.2	1386.0
55°	824.7	1021.0	1226.6	1295.9	1349.0	1369.8	1335.2	1319.0	1277.4	1270.5	1265.9
57.5°	810.8	850.1	1097.2	1185.0	1249.7	1247.4	1226.6	1196.6	1161.9	1155.0	1152.7
60°	743.8	614.5	958.6	1062.6	1129.6	1122.7	1104.2	1076.5	1044.1	1039.5	1034.9
62.5°	674.5	445.8	801.6	919.4	1014.1	1011.8	995.6	954.0	930.9	919.4	910.1
65°	572.9	374.2	570.6	764.6	900.9	905.5	870.9	840.8	815.4	801.6	799.3
67.5°	436.6	304.9	385.8	637.6	792.3	787.7	743.8	730.0	697.6	690.7	676.8
70°	323.4	203.3	268.0	517.4	686.1	674.5	639.9	623.7	593.7	577.5	568.3
72.5°	268.0	164.0	196.4	401.9	577.5	563.6	533.6	515.1	489.7	475.9	466.6
75°	217.1	173.2	150.2	298.0	468.9	459.7	432.0	413.5	392.7	374.2	376.5
77.5°	159.4	161.7	120.1	219.4	371.9	358.0	341.9	318.8	309.5	291.1	291.1
80°	120.1	127.0	90.1	150.2	268.0	268.0	254.1	237.9	221.8	212.5	212.5
82.5°	80.9	80.9	67.0	94.7	182.5	175.6	166.3	161.7	152.5	147.8	147.8
85°	37.0	46.2	41.6	57.8	99.3	104.0	104.0	99.3	97.0	92.4	94.7
87.5°	11.6	20.8	25.4	32.3	50.8	53.1	55.4	55.4	55.4	57.8	57.8
90°	9.6	17.3	24.9	26.9	42.3	62.8	73.0	64.9	48.7	36.5	36.5
92.5°	38.4	103.7	169.1	185.4	260.7	361.1	411.3	360.4	258.8	182.6	175.3
95°	92.2	211.8	331.4	361.3	641.5	1015.2	1202.0	1072.6	813.8	619.7	597.7
97.5°	159.5	265.0	370.4	396.9	864.1	1487.1	1798.6	1716.9	1553.3	1430.7	1388.8
100°	211.4	307.0	402.6	426.6	945.1	1636.5	1982.2	1988.2	2000.2	2009.1	1959.3
102.5°	255.6	344.8	434.0	456.4	982.3	1683.5	2034.1	2138.3	2346.7	2503.0	2460.2
105°	330.6	406.1	481.7	500.6	1009.9	1688.8	2028.3	2262.0	2729.1	3079.5	3056.5
107.5°	407.4	477.9	548.3	566.0	1014.9	1613.6	1913.0	2238.9	2890.5	3379.2	3384.8
110°	459.3	522.9	586.5	602.4	1007.2	1547.0	1816.9	2181.2	2909.7	3456.1	3480.0



TEST NUMBER: P935121

CATALOG NUMBER: SQ4-FA-100U-075D-927-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	510.2	570.9	631.5	646.6	1007.6	1488.9	1729.5	2102.3	2847.9	3407.1	3443.8
115°	587.0	643.0	698.9	712.9	1016.9	1422.1	1624.8	1983.9	2702.2	3240.9	3291.8
117.5°	663.0	713.8	764.6	777.3	1035.8	1380.4	1552.7	1876.8	2525.1	3011.2	3067.7
120°	707.2	755.0	802.9	814.8	1051.2	1366.4	1523.9	1820.0	2412.3	2856.5	2911.4
122.5°	750.4	798.7	846.9	859.0	1073.3	1359.0	1501.8	1768.5	2301.8	2701.9	2756.0
125°	816.7	860.7	904.7	915.7	1103.0	1352.9	1477.8	1704.3	2157.4	2497.2	2547.0
127.5°	870.5	914.9	959.3	970.4	1132.8	1349.3	1457.6	1652.1	2041.1	2332.9	2374.9
130°	899.4	947.2	995.0	1006.9	1154.6	1351.5	1449.9	1623.1	1969.4	2229.2	2268.0
132.5°	929.2	977.0	1024.8	1036.7	1172.2	1352.8	1443.1	1598.1	1908.2	2140.8	2175.6
135°	973.4	1016.9	1060.4	1071.3	1191.4	1351.6	1431.7	1561.5	1821.0	2015.8	2045.8
137.5°	1018.5	1061.6	1104.7	1115.5	1220.2	1359.9	1429.7	1539.5	1759.0	1923.6	1948.2
140°	1056.0	1095.7	1135.4	1145.3	1237.9	1361.3	1423.0	1517.7	1707.4	1849.6	1872.6
142.5°	1084.8	1121.5	1158.2	1167.4	1252.6	1366.1	1423.0	1506.3	1672.8	1797.7	1817.4
145°	1129.0	1161.0	1193.0	1201.0	1271.8	1366.2	1413.4	1481.5	1617.7	1719.9	1734.8
147.5°	1173.2	1204.4	1235.5	1243.3	1300.0	1375.6	1413.4	1467.0	1574.2	1654.6	1667.0
150°	1202.0	1230.2	1258.3	1265.4	1314.8	1380.5	1413.4	1458.7	1549.2	1617.1	1627.1
152.5°	1231.8	1253.1	1274.5	1279.8	1324.3	1383.7	1413.4	1452.1	1529.3	1587.3	1594.8
155°	1276.0	1291.8	1307.6	1311.5	1345.5	1390.8	1413.4	1444.1	1505.6	1551.7	1556.7
157.5°	1308.6	1324.0	1339.4	1343.3	1366.7	1397.9	1413.4	1437.3	1485.1	1521.0	1524.5
160°	1330.7	1342.7	1354.7	1357.7	1376.2	1401.0	1413.4	1433.9	1474.9	1505.6	1507.6
162.5°	1352.8	1361.7	1370.8	1373.0	1386.5	1404.4	1413.4	1430.7	1465.2	1491.2	1493.1
165°	1376.8	1384.9	1393.1	1395.1	1401.2	1409.3	1413.4	1425.8	1450.5	1469.1	1471.1
167.5°	1398.9	1402.8	1406.6	1407.6	1412.7	1419.6	1423.0	1431.1	1447.4	1459.5	1460.4
170°	1413.4	1417.3	1421.1	1422.0	1422.3	1422.7	1423.0	1431.1	1447.4	1459.5	1459.5
172.5°	1421.0	1421.9	1422.7	1423.0	1423.0	1423.0	1423.0	1429.4	1442.2	1451.8	1451.1
175°	1431.7	1431.7	1431.7	1431.7	1428.7	1424.9	1423.0	1427.0	1435.1	1441.2	1441.2
177.5°	1431.7	1431.7	1431.7	1431.7	1429.4	1426.4	1424.9	1428.1	1434.5	1439.3	1438.4
180°	1431.7	1431.7	1431.7	1431.7	1431.7	1431.7	1431.7	1431.7	1431.7	1431.7	1431.7



TEST NUMBER: P935121

CATALOG NUMBER: SQ4-FA-100U-075D-927-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2441.7	2441.7	2441.7	2441.7	2441.7	2441.7	2441.7	2441.7	2441.7	2441.7	2441.7
2.5°	2504.1	2497.2	2504.1	2499.5	2501.8	2494.9	2474.1	2467.2	2474.1	2481.0	2481.0
5°	2534.1	2529.5	2534.1	2534.1	2531.8	2527.2	2504.1	2499.5	2504.1	2506.4	2501.8
7.5°	2543.4	2536.5	2543.4	2538.8	2538.8	2534.1	2511.0	2506.4	2508.7	2515.7	2508.7
10°	2543.4	2536.5	2543.4	2541.1	2538.8	2534.1	2511.0	2501.8	2501.8	2508.7	2501.8
12.5°	2531.8	2527.2	2531.8	2527.2	2527.2	2522.6	2499.5	2490.3	2492.6	2494.9	2485.6
15°	2513.4	2506.4	2513.4	2508.7	2511.0	2504.1	2478.7	2469.5	2469.5	2474.1	2457.9
17.5°	2485.6	2476.4	2485.6	2483.3	2481.0	2476.4	2453.3	2444.1	2441.7	2444.1	2432.5
20°	2453.3	2446.4	2453.3	2451.0	2451.0	2441.7	2418.6	2407.1	2407.1	2407.1	2395.5
22.5°	2402.5	2395.5	2402.5	2407.1	2407.1	2404.8	2384.0	2367.8	2363.2	2363.2	2349.3
25°	2344.7	2337.8	2344.7	2344.7	2342.4	2344.7	2337.8	2328.6	2321.6	2314.7	2300.8
27.5°	2289.3	2284.7	2289.3	2284.7	2289.3	2282.4	2280.0	2277.7	2268.5	2261.6	2243.1
30°	2233.8	2229.2	2233.8	2229.2	2224.6	2220.0	2208.4	2203.8	2213.1	2208.4	2178.4
32.5°	2164.5	2159.9	2164.5	2164.5	2159.9	2159.9	2141.4	2134.5	2136.8	2150.7	2123.0
35°	2092.9	2086.0	2092.9	2090.6	2092.9	2086.0	2074.5	2072.1	2062.9	2079.1	2058.3
37.5°	2009.7	2002.8	2009.7	2009.7	2009.7	2014.3	2005.1	1998.2	1984.3	2005.1	1988.9
40°	1924.2	1915.0	1924.2	1921.9	1924.2	1928.8	1924.2	1919.6	1905.8	1921.9	1908.1
42.5°	1827.2	1824.9	1827.2	1829.5	1829.5	1838.8	1845.7	1836.4	1831.8	1820.3	1829.5
45°	1723.3	1718.6	1723.3	1727.9	1730.2	1734.8	1755.6	1755.6	1748.7	1730.2	1744.0
47.5°	1612.4	1600.8	1612.4	1626.2	1626.2	1633.2	1654.0	1670.1	1658.6	1635.5	1642.4
50°	1494.6	1496.9	1494.6	1503.8	1503.8	1529.2	1545.4	1561.6	1573.1	1545.4	1513.0
52.5°	1379.1	1376.8	1379.1	1386.0	1395.2	1406.8	1434.5	1450.7	1469.2	1453.0	1402.2
55°	1263.6	1268.2	1263.6	1265.9	1270.5	1277.4	1319.0	1335.2	1369.8	1349.0	1295.9
57.5°	1148.1	1141.1	1148.1	1152.7	1155.0	1161.9	1196.6	1226.6	1247.4	1249.7	1185.0
60°	1014.1	1004.8	1014.1	1034.9	1039.5	1044.1	1076.5	1104.2	1122.7	1129.6	1062.6
62.5°	896.3	880.1	896.3	910.1	919.4	930.9	954.0	995.6	1011.8	1014.1	919.4
65°	771.5	764.6	771.5	799.3	801.6	815.4	840.8	870.9	905.5	900.9	764.6
67.5°	658.4	658.4	658.4	676.8	690.7	697.6	730.0	743.8	787.7	792.3	637.6
70°	554.4	552.1	554.4	568.3	577.5	593.7	623.7	639.9	674.5	686.1	517.4
72.5°	455.1	452.8	455.1	466.6	475.9	489.7	515.1	533.6	563.6	577.5	401.9
75°	367.3	362.7	367.3	376.5	374.2	392.7	413.5	432.0	459.7	468.9	298.0
77.5°	281.8	281.8	281.8	291.1	291.1	309.5	318.8	341.9	358.0	371.9	219.4
80°	210.2	207.9	210.2	212.5	212.5	221.8	237.9	254.1	268.0	268.0	150.2
82.5°	147.8	143.2	147.8	147.8	147.8	152.5	161.7	166.3	175.6	182.5	94.7
85°	92.4	92.4	92.4	94.7	92.4	97.0	99.3	104.0	104.0	99.3	57.8
87.5°	60.1	57.8	60.1	57.8	57.8	55.4	55.4	55.4	53.1	50.8	32.3
90°	36.5	36.5	36.5	36.5	36.5	48.7	64.9	73.0	62.8	42.3	26.9
92.5°	146.2	117.2	146.2	175.3	182.6	258.8	360.4	411.3	361.1	260.7	185.4
95°	509.7	421.8	509.7	597.7	619.7	813.8	1072.6	1202.0	1015.2	641.5	361.3
97.5°	1221.5	1054.1	1221.5	1388.8	1430.7	1553.3	1716.9	1798.6	1487.1	864.1	396.9
100°	1759.8	1560.4	1759.8	1959.3	2009.1	2000.2	1988.2	1982.2	1636.5	945.1	426.6
102.5°	2289.4	2118.7	2289.4	2460.2	2503.0	2346.7	2138.3	2034.1	1683.5	982.3	456.4
105°	2964.7	2872.9	2964.7	3056.5	3079.5	2729.1	2262.0	2028.3	1688.8	1009.9	500.6
107.5°	3407.0	3429.2	3407.0	3384.8	3379.2	2890.5	2238.9	1913.0	1613.6	1014.9	566.0
110°	3575.6	3671.4	3575.6	3480.0	3456.1	2909.7	2181.2	1816.9	1547.0	1007.2	602.4





TEST NUMBER: P935121

CATALOG NUMBER: SQ4-FA-100U-075D-927-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3590.7	3737.7	3590.7	3443.8	3407.1	2847.9	2102.3	1729.5	1488.9	1007.6	646.6
115°	3495.5	3699.2	3495.5	3291.8	3240.9	2702.2	1983.9	1624.8	1422.1	1016.9	712.9
117.5°	3293.6	3519.5	3293.6	3067.7	3011.2	2525.1	1876.8	1552.7	1380.4	1035.8	777.3
120°	3130.9	3350.4	3130.9	2911.4	2856.5	2412.3	1820.0	1523.9	1366.4	1051.2	814.8
122.5°	2972.4	3189.0	2972.4	2756.0	2701.9	2301.8	1768.5	1501.8	1359.0	1073.3	859.0
125°	2746.4	2945.9	2746.4	2547.0	2497.2	2157.4	1704.3	1477.8	1352.9	1103.0	915.7
127.5°	2543.2	2711.5	2543.2	2374.9	2332.9	2041.1	1652.1	1457.6	1349.3	1132.8	970.4
130°	2423.4	2578.9	2423.4	2268.0	2229.2	1969.4	1623.1	1449.9	1351.5	1154.6	1006.9
132.5°	2314.8	2454.0	2314.8	2175.6	2140.8	1908.2	1598.1	1443.1	1352.8	1172.2	1036.7
135°	2165.8	2285.8	2165.8	2045.8	2015.8	1821.0	1561.5	1431.7	1351.6	1191.4	1071.3
137.5°	2046.4	2144.6	2046.4	1948.2	1923.6	1759.0	1539.5	1429.7	1359.9	1220.2	1115.5
140°	1964.4	2056.2	1964.4	1872.6	1849.6	1707.4	1517.7	1423.0	1361.3	1237.9	1145.3
142.5°	1896.4	1975.4	1896.4	1817.4	1797.7	1672.8	1506.3	1423.0	1366.1	1252.6	1167.4
145°	1794.6	1854.4	1794.6	1734.8	1719.9	1617.7	1481.5	1413.4	1366.2	1271.8	1201.0
147.5°	1716.5	1766.0	1716.5	1667.0	1654.6	1574.2	1467.0	1413.4	1375.6	1300.0	1243.3
150°	1667.3	1707.4	1667.3	1627.1	1617.1	1549.2	1458.7	1413.4	1380.5	1314.8	1265.4
152.5°	1625.2	1655.5	1625.2	1594.8	1587.3	1529.3	1452.1	1413.4	1383.7	1324.3	1279.8
155°	1576.8	1596.9	1576.8	1556.7	1551.7	1505.6	1444.1	1413.4	1390.8	1345.5	1311.5
157.5°	1538.6	1552.7	1538.6	1524.5	1521.0	1485.1	1437.3	1413.4	1397.9	1366.7	1343.3
160°	1515.7	1523.9	1515.7	1507.6	1505.6	1474.9	1433.9	1413.4	1401.0	1376.2	1357.7
162.5°	1500.8	1508.5	1500.8	1493.1	1491.2	1465.2	1430.7	1413.4	1404.4	1386.5	1373.0
165°	1479.2	1487.3	1479.2	1471.1	1469.1	1450.5	1425.8	1413.4	1409.3	1401.2	1395.1
167.5°	1463.8	1467.2	1463.8	1460.4	1459.5	1447.4	1431.1	1423.0	1419.6	1412.7	1407.6
170°	1459.5	1459.5	1459.5	1459.5	1459.5	1447.4	1431.1	1423.0	1422.7	1422.3	1422.0
172.5°	1448.1	1445.1	1448.1	1451.1	1451.8	1442.2	1429.4	1423.0	1423.0	1423.0	1423.0
175°	1441.2	1441.2	1441.2	1441.2	1441.2	1435.1	1427.0	1423.0	1424.9	1428.7	1431.7
177.5°	1435.0	1431.7	1435.0	1438.4	1439.3	1434.5	1428.1	1424.9	1426.4	1429.4	1431.7
180°	1431.7	1431.7	1431.7	1431.7	1431.7	1431.7	1431.7	1431.7	1431.7	1431.7	1431.7



TEST NUMBER: P935121

CATALOG NUMBER: SQ4-FA-100U-075D-927-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2441.7	2441.7	2441.7	2441.7	2441.7	2441.7	2441.7	2441.7	2441.7	2441.7	2441.7
2.5°	2476.4	2462.5	2462.5	2439.4	2430.2	2423.3	2411.7	2377.1	2367.8	2358.6	2372.4
5°	2497.2	2471.8	2453.3	2411.7	2377.1	2363.2	2319.3	2236.2	2180.7	2139.1	2116.0
7.5°	2501.8	2469.5	2434.8	2370.1	2287.0	2250.0	2116.0	1963.5	1921.9	1885.0	1861.9
10°	2497.2	2460.2	2411.7	2314.7	2118.3	2053.7	1919.6	1820.3	1794.9	1787.9	1794.9
12.5°	2481.0	2446.4	2379.4	2217.7	1942.7	1898.8	1820.3	1762.5	1757.9	1769.5	1831.8
15°	2453.3	2421.0	2342.4	2088.3	1845.7	1813.4	1757.9	1737.1	1762.5	1843.4	2030.5
17.5°	2425.6	2388.6	2291.6	1961.2	1771.8	1748.7	1709.4	1751.0	1894.2	2002.8	2065.2
20°	2388.6	2344.7	2233.8	1868.8	1718.6	1697.8	1679.4	1866.5	1975.0	2014.3	2049.0
22.5°	2344.7	2298.5	2155.3	1804.1	1663.2	1647.0	1658.6	1931.2	1975.0	2002.8	2032.8
25°	2287.0	2247.7	2062.9	1753.3	1619.3	1600.8	1644.7	1924.2	1949.6	1956.6	2016.6
27.5°	2233.8	2183.0	1965.8	1707.1	1566.2	1559.2	1656.3	1894.2	1912.7	1919.6	1984.3
30°	2169.2	2092.9	1857.2	1658.6	1510.7	1508.4	1658.6	1857.2	1852.6	1871.1	1935.8
32.5°	2102.2	1958.9	1734.8	1598.5	1457.6	1455.3	1642.4	1801.8	1797.2	1822.6	1871.1
35°	2039.8	1854.9	1568.5	1529.2	1390.6	1392.9	1603.1	1737.1	1739.4	1762.5	1792.6
37.5°	1975.0	1764.8	1386.0	1453.0	1325.9	1325.9	1550.0	1677.1	1672.4	1679.4	1721.0
40°	1898.8	1623.9	1224.3	1353.7	1265.9	1259.0	1485.3	1612.4	1596.2	1593.9	1651.6
42.5°	1818.0	1469.2	1104.2	1222.0	1196.6	1187.3	1406.8	1533.8	1503.8	1510.7	1584.7
45°	1730.2	1427.6	1011.8	1032.6	1125.0	1118.0	1321.3	1443.8	1423.0	1441.4	1517.7
47.5°	1642.4	1344.4	981.8	857.0	1048.7	1046.4	1226.6	1356.0	1344.4	1362.9	1443.8
50°	1522.3	1252.0	979.4	734.6	963.3	972.5	1113.4	1270.5	1270.5	1286.7	1372.1
52.5°	1367.5	1138.8	889.4	665.3	863.9	891.7	1014.1	1196.6	1201.2	1217.4	1293.6
55°	1226.6	1021.0	824.7	612.2	746.1	806.2	917.1	1120.4	1129.6	1145.8	1215.1
57.5°	1097.2	850.1	810.8	549.8	637.6	695.3	831.6	1046.4	1051.0	1064.9	1131.9
60°	958.6	614.5	743.8	482.8	542.8	586.7	753.1	958.6	974.8	984.1	1041.8
62.5°	801.6	445.8	674.5	436.6	496.6	505.9	688.4	875.5	896.3	903.2	937.9
65°	570.6	374.2	572.9	397.3	448.1	450.4	619.1	790.0	808.5	820.0	845.5
67.5°	385.8	304.9	436.6	360.4	411.2	413.5	552.1	690.7	716.1	725.3	741.5
70°	268.0	203.3	323.4	321.1	369.6	374.2	480.5	600.6	623.7	630.6	639.9
72.5°	196.4	164.0	268.0	288.8	325.7	330.3	406.6	499.0	522.1	529.0	533.6
75°	150.2	173.2	217.1	251.8	277.2	279.5	332.6	406.6	422.7	427.4	429.7
77.5°	120.1	161.7	159.4	203.3	226.4	221.8	261.0	314.2	328.0	328.0	328.0
80°	90.1	127.0	120.1	145.5	166.3	161.7	187.1	224.1	228.7	233.3	231.0
82.5°	67.0	80.9	80.9	92.4	110.9	106.3	124.7	145.5	145.5	145.5	150.2
85°	41.6	46.2	37.0	48.5	62.4	60.1	69.3	78.5	80.9	80.9	76.2
87.5°	25.4	20.8	11.6	18.5	27.7	27.7	32.3	34.6	32.3	32.3	32.3
90°	24.9	17.3	9.6	17.3	24.9	26.9	42.3	62.8	73.0	64.9	48.7
92.5°	169.1	103.7	38.4	103.7	169.1	185.4	260.7	361.1	411.3	360.4	258.8
95°	331.4	211.8	92.2	211.8	331.4	361.3	641.5	1015.2	1202.0	1072.6	813.8
97.5°	370.4	265.0	159.5	265.0	370.4	396.9	864.1	1487.1	1798.6	1716.9	1553.3
100°	402.6	307.0	211.4	307.0	402.6	426.6	945.1	1636.5	1982.2	1988.2	2000.2
102.5°	434.0	344.8	255.6	344.8	434.0	456.4	982.3	1683.5	2034.1	2138.3	2346.7
105°	481.7	406.1	330.6	406.1	481.7	500.6	1009.9	1688.8	2028.3	2262.0	2729.1
107.5°	548.3	477.9	407.4	477.9	548.3	566.0	1014.9	1613.6	1913.0	2238.9	2890.5
110°	586.5	522.9	459.3	522.9	586.5	602.4	1007.2	1547.0	1816.9	2181.2	2909.7



TEST NUMBER: P935121

CATALOG NUMBER: SQ4-FA-100U-075D-927-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	631.5	570.9	510.2	570.9	631.5	646.6	1007.6	1488.9	1729.5	2102.3	2847.9
115°	698.9	643.0	587.0	643.0	698.9	712.9	1016.9	1422.1	1624.8	1983.9	2702.2
117.5°	764.6	713.8	663.0	713.8	764.6	777.3	1035.8	1380.4	1552.7	1876.8	2525.1
120°	802.9	755.0	707.2	755.0	802.9	814.8	1051.2	1366.4	1523.9	1820.0	2412.3
122.5°	846.9	798.7	750.4	798.7	846.9	859.0	1073.3	1359.0	1501.8	1768.5	2301.8
125°	904.7	860.7	816.7	860.7	904.7	915.7	1103.0	1352.9	1477.8	1704.3	2157.4
127.5°	959.3	914.9	870.5	914.9	959.3	970.4	1132.8	1349.3	1457.6	1652.1	2041.1
130°	995.0	947.2	899.4	947.2	995.0	1006.9	1154.6	1351.5	1449.9	1623.1	1969.4
132.5°	1024.8	977.0	929.2	977.0	1024.8	1036.7	1172.2	1352.8	1443.1	1598.1	1908.2
135°	1060.4	1016.9	973.4	1016.9	1060.4	1071.3	1191.4	1351.6	1431.7	1561.5	1821.0
137.5°	1104.7	1061.6	1018.5	1061.6	1104.7	1115.5	1220.2	1359.9	1429.7	1539.5	1759.0
140°	1135.4	1095.7	1056.0	1095.7	1135.4	1145.3	1237.9	1361.3	1423.0	1517.7	1707.4
142.5°	1158.2	1121.5	1084.8	1121.5	1158.2	1167.4	1252.6	1366.1	1423.0	1506.3	1672.8
145°	1193.0	1161.0	1129.0	1161.0	1193.0	1201.0	1271.8	1366.2	1413.4	1481.5	1617.7
147.5°	1235.5	1204.4	1173.2	1204.4	1235.5	1243.3	1300.0	1375.6	1413.4	1467.0	1574.2
150°	1258.3	1230.2	1202.0	1230.2	1258.3	1265.4	1314.8	1380.5	1413.4	1458.7	1549.2
152.5°	1274.5	1253.1	1231.8	1253.1	1274.5	1279.8	1324.3	1383.7	1413.4	1452.1	1529.3
155°	1307.6	1291.8	1276.0	1291.8	1307.6	1311.5	1345.5	1390.8	1413.4	1444.1	1505.6
157.5°	1339.4	1324.0	1308.6	1324.0	1339.4	1343.3	1366.7	1397.9	1413.4	1437.3	1485.1
160°	1354.7	1342.7	1330.7	1342.7	1354.7	1357.7	1376.2	1401.0	1413.4	1433.9	1474.9
162.5°	1370.8	1361.7	1352.8	1361.7	1370.8	1373.0	1386.5	1404.4	1413.4	1430.7	1465.2
165°	1393.1	1384.9	1376.8	1384.9	1393.1	1395.1	1401.2	1409.3	1413.4	1425.8	1450.5
167.5°	1406.6	1402.8	1398.9	1402.8	1406.6	1407.6	1412.7	1419.6	1423.0	1431.1	1447.4
170°	1421.1	1417.3	1413.4	1417.3	1421.1	1422.0	1422.3	1422.7	1423.0	1431.1	1447.4
172.5°	1422.7	1421.9	1421.0	1421.9	1422.7	1423.0	1423.0	1423.0	1423.0	1429.4	1442.2
175°	1431.7	1431.7	1431.7	1431.7	1431.7	1431.7	1428.7	1424.9	1423.0	1427.0	1435.1
177.5°	1431.7	1431.7	1431.7	1431.7	1431.7	1431.7	1429.4	1426.4	1424.9	1428.1	1434.5
180°	1431.7	1431.7	1431.7	1431.7	1431.7	1431.7	1431.7	1431.7	1431.7	1431.7	1431.7



TEST NUMBER: P935121

CATALOG NUMBER: SQ4-FA-100U-075D-927-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2441.7	2441.7	2441.7	2441.7	2441.7	2441.7	2441.7	2441.7	2441.7	2441.7	2441.7
2.5°	2356.3	2349.3	2358.6	2333.2	2358.6	2349.3	2356.3	2372.4	2358.6	2367.8	2377.1
5°	2067.5	2056.0	2018.9	1988.9	2018.9	2056.0	2067.5	2116.0	2139.1	2180.7	2236.2
7.5°	1848.0	1838.8	1829.5	1811.0	1829.5	1838.8	1848.0	1861.9	1885.0	1921.9	1963.5
10°	1799.5	1801.8	1815.7	1813.4	1815.7	1801.8	1799.5	1794.9	1787.9	1794.9	1820.3
12.5°	1924.2	1945.0	2021.2	2016.6	2021.2	1945.0	1924.2	1831.8	1769.5	1757.9	1762.5
15°	2067.5	2074.5	2090.6	2092.9	2090.6	2074.5	2067.5	2030.5	1843.4	1762.5	1737.1
17.5°	2081.4	2083.7	2095.2	2095.2	2095.2	2083.7	2081.4	2065.2	2002.8	1894.2	1751.0
20°	2069.8	2074.5	2097.6	2102.2	2097.6	2074.5	2069.8	2049.0	2014.3	1975.0	1866.5
22.5°	2065.2	2074.5	2092.9	2090.6	2092.9	2074.5	2065.2	2032.8	2002.8	1975.0	1931.2
25°	2042.1	2042.1	2044.4	2046.7	2044.4	2042.1	2042.1	2016.6	1956.6	1949.6	1924.2
27.5°	1993.5	1998.2	2012.0	2009.7	2012.0	1998.2	1993.5	1984.3	1919.6	1912.7	1894.2
30°	1949.6	1945.0	1933.5	1924.2	1933.5	1945.0	1949.6	1935.8	1871.1	1852.6	1857.2
32.5°	1875.7	1864.2	1852.6	1845.7	1852.6	1864.2	1875.7	1871.1	1822.6	1797.2	1801.8
35°	1787.9	1790.2	1787.9	1781.0	1787.9	1790.2	1787.9	1792.6	1762.5	1739.4	1737.1
37.5°	1725.6	1730.2	1727.9	1718.6	1727.9	1730.2	1725.6	1721.0	1679.4	1672.4	1677.1
40°	1660.9	1663.2	1660.9	1654.0	1660.9	1663.2	1660.9	1651.6	1593.9	1596.2	1612.4
42.5°	1598.5	1596.2	1589.3	1584.7	1589.3	1596.2	1598.5	1584.7	1510.7	1503.8	1533.8
45°	1526.9	1529.2	1515.4	1508.4	1515.4	1529.2	1526.9	1517.7	1441.4	1423.0	1443.8
47.5°	1455.3	1455.3	1443.8	1436.8	1443.8	1455.3	1455.3	1443.8	1362.9	1344.4	1356.0
50°	1379.1	1376.8	1360.6	1358.3	1360.6	1376.8	1379.1	1372.1	1286.7	1270.5	1270.5
52.5°	1291.3	1291.3	1293.6	1298.2	1293.6	1291.3	1291.3	1293.6	1217.4	1201.2	1196.6
55°	1215.1	1217.4	1233.5	1238.2	1233.5	1217.4	1215.1	1215.1	1145.8	1129.6	1120.4
57.5°	1136.5	1136.5	1148.1	1148.1	1148.1	1136.5	1136.5	1131.9	1064.9	1051.0	1046.4
60°	1046.4	1051.0	1060.3	1058.0	1060.3	1051.0	1046.4	1041.8	984.1	974.8	958.6
62.5°	951.7	956.3	958.6	954.0	958.6	956.3	951.7	937.9	903.2	896.3	875.5
65°	852.4	857.0	859.3	854.7	859.3	857.0	852.4	845.5	820.0	808.5	790.0
67.5°	750.8	748.4	746.1	755.4	746.1	748.4	750.8	741.5	725.3	716.1	690.7
70°	646.8	646.8	644.5	649.1	644.5	646.8	646.8	639.9	630.6	623.7	600.6
72.5°	535.9	533.6	542.8	535.9	542.8	533.6	535.9	533.6	529.0	522.1	499.0
75°	427.4	432.0	427.4	434.3	427.4	432.0	427.4	429.7	427.4	422.7	406.6
77.5°	325.7	330.3	325.7	325.7	325.7	330.3	325.7	328.0	328.0	328.0	314.2
80°	231.0	228.7	228.7	226.4	228.7	228.7	231.0	231.0	233.3	228.7	224.1
82.5°	147.8	145.5	145.5	150.2	145.5	145.5	147.8	150.2	145.5	145.5	145.5
85°	80.9	83.2	78.5	78.5	78.5	83.2	80.9	76.2	80.9	80.9	78.5
87.5°	30.0	27.7	27.7	27.7	27.7	27.7	30.0	32.3	32.3	32.3	34.6
90°	36.5	36.5	36.5	36.5	36.5	36.5	36.5	48.7	64.9	73.0	62.8
92.5°	182.6	175.3	146.2	117.2	146.2	175.3	182.6	258.8	360.4	411.3	361.1
95°	619.7	597.7	509.7	421.8	509.7	597.7	619.7	813.8	1072.6	1202.0	1015.2
97.5°	1430.7	1388.8	1221.5	1054.1	1221.5	1388.8	1430.7	1553.3	1716.9	1798.6	1487.1
100°	2009.1	1959.3	1759.8	1560.4	1759.8	1959.3	2009.1	2000.2	1988.2	1982.2	1636.5
102.5°	2503.0	2460.2	2289.4	2118.7	2289.4	2460.2	2503.0	2346.7	2138.3	2034.1	1683.5
105°	3079.5	3056.5	2964.7	2872.9	2964.7	3056.5	3079.5	2729.1	2262.0	2028.3	1688.8
107.5°	3379.2	3384.8	3407.0	3429.2	3407.0	3384.8	3379.2	2890.5	2238.9	1913.0	1613.6
110°	3456.1	3480.0	3575.6	3671.4	3575.6	3480.0	3456.1	2909.7	2181.2	1816.9	1547.0



TEST NUMBER: P935121

CATALOG NUMBER: SQ4-FA-100U-075D-927-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3407.1	3443.8	3590.7	3737.7	3590.7	3443.8	3407.1	2847.9	2102.3	1729.5	1488.9
115°	3240.9	3291.8	3495.5	3699.2	3495.5	3291.8	3240.9	2702.2	1983.9	1624.8	1422.1
117.5°	3011.2	3067.7	3293.6	3519.5	3293.6	3067.7	3011.2	2525.1	1876.8	1552.7	1380.4
120°	2856.5	2911.4	3130.9	3350.4	3130.9	2911.4	2856.5	2412.3	1820.0	1523.9	1366.4
122.5°	2701.9	2756.0	2972.4	3189.0	2972.4	2756.0	2701.9	2301.8	1768.5	1501.8	1359.0
125°	2497.2	2547.0	2746.4	2945.9	2746.4	2547.0	2497.2	2157.4	1704.3	1477.8	1352.9
127.5°	2332.9	2374.9	2543.2	2711.5	2543.2	2374.9	2332.9	2041.1	1652.1	1457.6	1349.3
130°	2229.2	2268.0	2423.4	2578.9	2423.4	2268.0	2229.2	1969.4	1623.1	1449.9	1351.5
132.5°	2140.8	2175.6	2314.8	2454.0	2314.8	2175.6	2140.8	1908.2	1598.1	1443.1	1352.8
135°	2015.8	2045.8	2165.8	2285.8	2165.8	2045.8	2015.8	1821.0	1561.5	1431.7	1351.6
137.5°	1923.6	1948.2	2046.4	2144.6	2046.4	1948.2	1923.6	1759.0	1539.5	1429.7	1359.9
140°	1849.6	1872.6	1964.4	2056.2	1964.4	1872.6	1849.6	1707.4	1517.7	1423.0	1361.3
142.5°	1797.7	1817.4	1896.4	1975.4	1896.4	1817.4	1797.7	1672.8	1506.3	1423.0	1366.1
145°	1719.9	1734.8	1794.6	1854.4	1794.6	1734.8	1719.9	1617.7	1481.5	1413.4	1366.2
147.5°	1654.6	1667.0	1716.5	1766.0	1716.5	1667.0	1654.6	1574.2	1467.0	1413.4	1375.6
150°	1617.1	1627.1	1667.3	1707.4	1667.3	1627.1	1617.1	1549.2	1458.7	1413.4	1380.5
152.5°	1587.3	1594.8	1625.2	1655.5	1625.2	1594.8	1587.3	1529.3	1452.1	1413.4	1383.7
155°	1551.7	1556.7	1576.8	1596.9	1576.8	1556.7	1551.7	1505.6	1444.1	1413.4	1390.8
157.5°	1521.0	1524.5	1538.6	1552.7	1538.6	1524.5	1521.0	1485.1	1437.3	1413.4	1397.9
160°	1505.6	1507.6	1515.7	1523.9	1515.7	1507.6	1505.6	1474.9	1433.9	1413.4	1401.0
162.5°	1491.2	1493.1	1500.8	1508.5	1500.8	1493.1	1491.2	1465.2	1430.7	1413.4	1404.4
165°	1469.1	1471.1	1479.2	1487.3	1479.2	1471.1	1469.1	1450.5	1425.8	1413.4	1409.3
167.5°	1459.5	1460.4	1463.8	1467.2	1463.8	1460.4	1459.5	1447.4	1431.1	1423.0	1419.6
170°	1459.5	1459.5	1459.5	1459.5	1459.5	1459.5	1459.5	1447.4	1431.1	1423.0	1422.7
172.5°	1451.8	1451.1	1448.1	1445.1	1448.1	1451.1	1451.8	1442.2	1429.4	1423.0	1423.0
175°	1441.2	1441.2	1441.2	1441.2	1441.2	1441.2	1441.2	1435.1	1427.0	1423.0	1424.9
177.5°	1439.3	1438.4	1435.0	1431.7	1435.0	1438.4	1439.3	1434.5	1428.1	1424.9	1426.4
180°	1431.7	1431.7	1431.7	1431.7	1431.7	1431.7	1431.7	1431.7	1431.7	1431.7	1431.7



TEST NUMBER: P935121  
 CATALOG NUMBER: SQ4-FA-100U-075D-927-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	2441.7	2441.7	2441.7	2441.7	2441.7
2.5°	2411.7	2423.3	2430.2	2439.4	2462.5
5°	2319.3	2363.2	2377.1	2411.7	2453.3
7.5°	2116.0	2250.0	2287.0	2370.1	2434.8
10°	1919.6	2053.7	2118.3	2314.7	2411.7
12.5°	1820.3	1898.8	1942.7	2217.7	2379.4
15°	1757.9	1813.4	1845.7	2088.3	2342.4
17.5°	1709.4	1748.7	1771.8	1961.2	2291.6
20°	1679.4	1697.8	1718.6	1868.8	2233.8
22.5°	1658.6	1647.0	1663.2	1804.1	2155.3
25°	1644.7	1600.8	1619.3	1753.3	2062.9
27.5°	1656.3	1559.2	1566.2	1707.1	1965.8
30°	1658.6	1508.4	1510.7	1658.6	1857.2
32.5°	1642.4	1455.3	1457.6	1598.5	1734.8
35°	1603.1	1392.9	1390.6	1529.2	1568.5
37.5°	1550.0	1325.9	1325.9	1453.0	1386.0
40°	1485.3	1259.0	1265.9	1353.7	1224.3
42.5°	1406.8	1187.3	1196.6	1222.0	1104.2
45°	1321.3	1118.0	1125.0	1032.6	1011.8
47.5°	1226.6	1046.4	1048.7	857.0	981.8
50°	1113.4	972.5	963.3	734.6	979.4
52.5°	1014.1	891.7	863.9	665.3	889.4
55°	917.1	806.2	746.1	612.2	824.7
57.5°	831.6	695.3	637.6	549.8	810.8
60°	753.1	586.7	542.8	482.8	743.8
62.5°	688.4	505.9	496.6	436.6	674.5
65°	619.1	450.4	448.1	397.3	572.9
67.5°	552.1	413.5	411.2	360.4	436.6
70°	480.5	374.2	369.6	321.1	323.4
72.5°	406.6	330.3	325.7	288.8	268.0
75°	332.6	279.5	277.2	251.8	217.1
77.5°	261.0	221.8	226.4	203.3	159.4
80°	187.1	161.7	166.3	145.5	120.1
82.5°	124.7	106.3	110.9	92.4	80.9
85°	69.3	60.1	62.4	48.5	37.0
87.5°	32.3	27.7	27.7	18.5	11.6
90°	42.3	26.9	24.9	17.3	9.6
92.5°	260.7	185.4	169.1	103.7	38.4
95°	641.5	361.3	331.4	211.8	92.2
97.5°	864.1	396.9	370.4	265.0	159.5
100°	945.1	426.6	402.6	307.0	211.4
102.5°	982.3	456.4	434.0	344.8	255.6
105°	1009.9	500.6	481.7	406.1	330.6
107.5°	1014.9	566.0	548.3	477.9	407.4
110°	1007.2	602.4	586.5	522.9	459.3



TEST NUMBER: P935121

CATALOG NUMBER: SQ4-FA-100U-075D-927-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	1007.6	646.6	631.5	570.9	510.2
115°	1016.9	712.9	698.9	643.0	587.0
117.5°	1035.8	777.3	764.6	713.8	663.0
120°	1051.2	814.8	802.9	755.0	707.2
122.5°	1073.3	859.0	846.9	798.7	750.4
125°	1103.0	915.7	904.7	860.7	816.7
127.5°	1132.8	970.4	959.3	914.9	870.5
130°	1154.6	1006.9	995.0	947.2	899.4
132.5°	1172.2	1036.7	1024.8	977.0	929.2
135°	1191.4	1071.3	1060.4	1016.9	973.4
137.5°	1220.2	1115.5	1104.7	1061.6	1018.5
140°	1237.9	1145.3	1135.4	1095.7	1056.0
142.5°	1252.6	1167.4	1158.2	1121.5	1084.8
145°	1271.8	1201.0	1193.0	1161.0	1129.0
147.5°	1300.0	1243.3	1235.5	1204.4	1173.2
150°	1314.8	1265.4	1258.3	1230.2	1202.0
152.5°	1324.3	1279.8	1274.5	1253.1	1231.8
155°	1345.5	1311.5	1307.6	1291.8	1276.0
157.5°	1366.7	1343.3	1339.4	1324.0	1308.6
160°	1376.2	1357.7	1354.7	1342.7	1330.7
162.5°	1386.5	1373.0	1370.8	1361.7	1352.8
165°	1401.2	1395.1	1393.1	1384.9	1376.8
167.5°	1412.7	1407.6	1406.6	1402.8	1398.9
170°	1422.3	1422.0	1421.1	1417.3	1413.4
172.5°	1423.0	1423.0	1422.7	1421.9	1421.0
175°	1428.7	1431.7	1431.7	1431.7	1431.7
177.5°	1429.4	1431.7	1431.7	1431.7	1431.7
180°	1431.7	1431.7	1431.7	1431.7	1431.7



TEST NUMBER: P935121  
 CATALOG NUMBER: SQ4-FA-100U-075D-927-1D-UNV-STD-W-12

**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	10.90	11.68	11.93	12.72	14.12	13.75	14.53	14.78	15.57	16.97
	3H	11.37	12.07	12.41	13.12	14.54	15.10	15.80	16.14	16.85	18.26
	4H	11.56	12.22	12.61	13.27	14.70	15.54	16.20	16.60	17.26	18.68
	6H	11.67	12.28	12.74	13.34	14.78	15.83	16.44	16.89	17.49	18.93
	8H	11.67	12.25	12.74	13.32	14.76	15.90	16.48	16.97	17.55	18.99
	12H	11.64	12.19	12.71	13.26	14.71	15.94	16.49	17.02	17.56	19.02
4H	2H	11.92	12.59	12.99	13.64	15.07	14.15	14.81	15.21	15.86	17.29
	3H	12.95	13.50	14.02	14.58	16.02	15.65	16.21	16.72	17.29	18.72
	4H	13.22	13.73	14.29	14.80	16.26	16.18	16.69	17.26	17.76	19.22
	6H	13.34	13.77	14.42	14.87	16.32	16.55	16.98	17.63	18.08	19.53
	8H	13.34	13.75	14.43	14.83	16.31	16.66	17.06	17.74	18.15	19.62
	12H	13.31	13.67	14.41	14.77	16.25	16.71	17.08	17.82	18.18	19.66
8H	4H	13.67	14.08	14.75	15.16	16.63	16.30	16.71	17.38	17.79	19.26
	6H	13.93	14.26	15.03	15.39	16.86	16.74	17.07	17.85	18.20	19.67
	8H	13.97	14.26	15.08	15.37	16.86	16.89	17.19	18.01	18.30	19.78
	12H	13.95	14.21	15.07	15.31	16.84	16.99	17.25	18.11	18.36	19.88
12H	4H	13.67	14.04	14.77	15.14	16.61	16.26	16.63	17.36	17.73	19.20
	6H	13.99	14.28	15.10	15.39	16.88	16.73	17.03	17.85	18.14	19.63
	8H	14.05	14.31	15.17	15.42	16.94	16.89	17.15	18.01	18.26	19.79