

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: P935952

Luminaire Tested: SQ4-FA-150U-075D-930-1D-UNV-STD-W-8

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935952
REPORT IS A COMBINATION OF REPORTS P933776 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-150U-075D-930-1D-UNV-STD-W-8
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

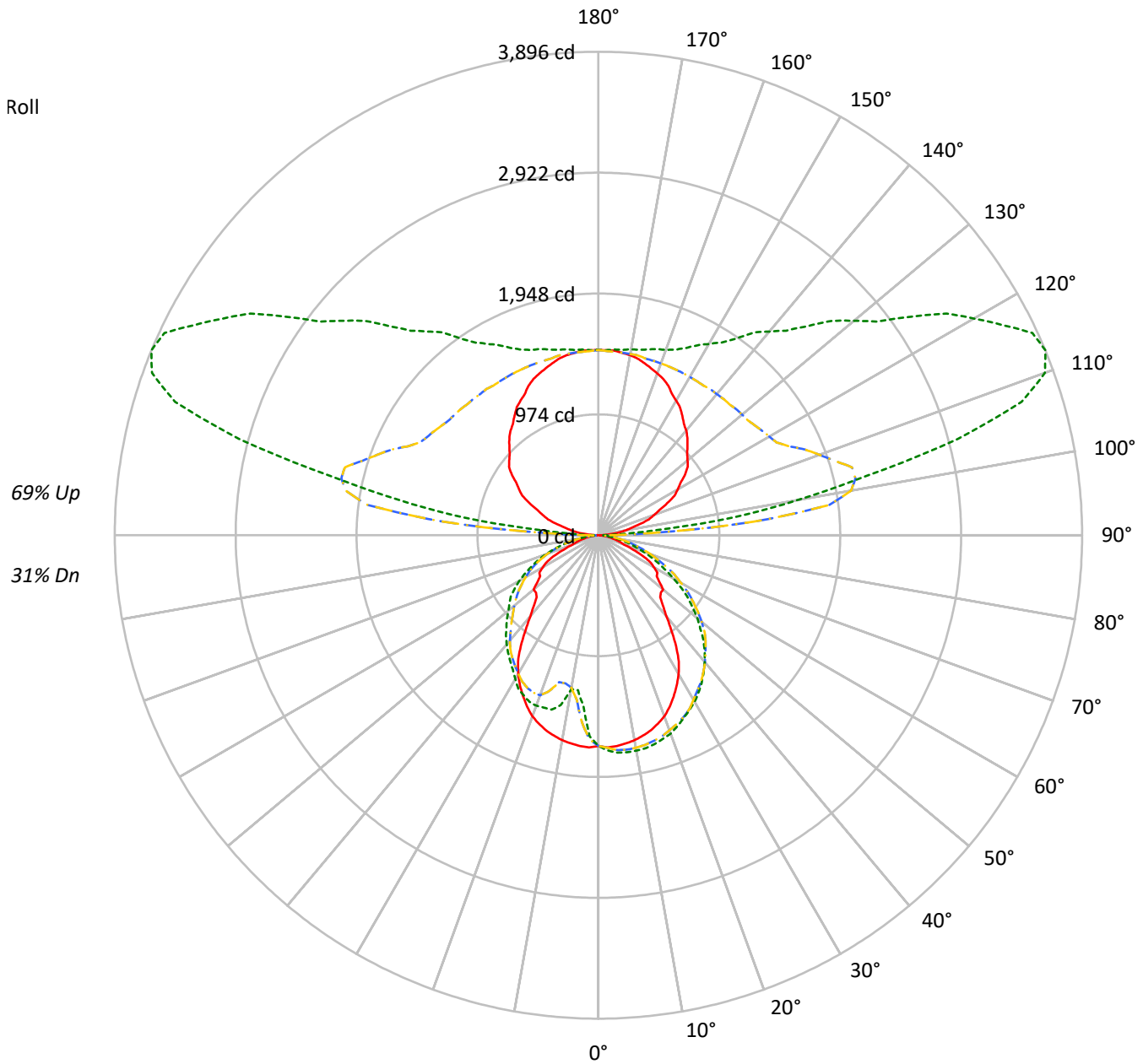
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14082.2 lumens
Efficiency: N/A
Efficacy: 110.7 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 8' x H: 0.1')
CIE Type: Semi-Indirect

Input Watts (W): 127.2
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	103	103	103	103	92	92	92	92	73	73	73	55	55	55	39	39	39	39	39	39	31
1	94	89	86	82	84	81	77	75	64	62	60	49	47	46	34	34	33	34	34	33	26
2	85	78	72	67	76	70	65	61	56	52	49	43	40	38	30	29	28	30	29	28	22
3	78	69	61	56	70	62	56	51	49	45	42	38	35	32	27	25	24	27	25	24	19
4	71	61	53	47	64	55	48	43	44	39	35	33	30	28	24	22	20	24	22	20	16
5	65	54	46	40	58	49	42	37	39	34	30	30	27	24	22	19	18	22	19	18	14
6	60	48	40	35	54	44	37	32	35	30	26	27	23	21	19	17	15	19	17	15	12
7	55	43	36	30	49	39	33	28	32	27	23	24	21	18	18	15	14	18	15	14	11
8	51	39	32	27	46	36	29	24	29	24	20	22	19	16	16	14	12	16	14	12	10
9	47	36	28	23	43	32	26	22	26	21	18	20	17	14	15	13	11	15	13	11	9
10	44	33	26	21	40	30	23	19	24	19	16	19	15	13	14	12	10	14	12	10	8

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	7876	7876	7876	7876
5°	7934	7950	7934	6251
10°	7881	7831	7881	5599
15°	7796	7661	7796	6398
20°	7633	7461	7633	6411
25°	7299	7167	7299	6275
30°	6867	6924	6867	5977
35°	6122	6616	6122	5649
40°	5102	6254	5102	5401
45°	4558	5829	4558	5116
50°	4843	5323	4843	4831
55°	4556	4779	4556	4665
60°	4697	4058	4697	4273
65°	4258	3355	4258	3750
70°	2948	2673	2948	3144
75°	2586	1976	2586	2366
80°	2083	1306	2083	1423
85°	1197	692	1197	588

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 6986 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	153.2	1.1
10°-20°	435.0	3.1
20°-30°	672.5	4.8
30°-40°	802.8	5.7
40°-50°	807.5	5.7
50°-60°	702.7	5.0
60°-70°	498.2	3.5
70°-80°	263.6	1.9
80°-90°	71.3	0.5
90°-100°	727.5	5.2
100°-110°	1912.7	13.6
110°-120°	1983.2	14.1
120°-130°	1590.8	11.3
130°-140°	1248.2	8.9
140°-150°	958.1	6.8
150°-160°	690.0	4.9
160°-170°	422.2	3.0
170°-180°	142.6	1.0
0°-30°	1260.8	9.0
0°-40°	2063.6	14.7
0°-60°	3573.8	25.4
0°-90°	4407.0	31.3
90°-120°	4623.4	32.8
90°-150°	8420.5	59.8
90°-180°	9675.0	68.7
0°-180°	14082.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1698	1698	1698	1698	1698	
5°	1706	1758	1706	1383	1706	162
15°	1628	1742	1628	1455	1628	458
25°	1434	1625	1434	1423	1434	658
35°	1090	1450	1090	1238	1090	675
45°	703	1195	703	1049	703	563
55°	573	882	573	861	573	527
65°	398	532	398	594	398	381
75°	151	252	151	302	151	159
85°	26	64	26	55	26	35
90°	10	38	10	38	10	9
95°	96	440	96	440	96	107
105°	345	2995	345	2995	345	365
115°	612	3856	612	3856	612	604
125°	851	3071	851	3071	851	756
135°	1015	2383	1015	2383	1015	785
145°	1177	1933	1177	1933	1177	737
155°	1330	1665	1330	1665	1330	611
165°	1435	1551	1435	1551	1435	405
175°	1492	1502	1492	1502	1492	142
180°	1492	1492	1492	1492	1492	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1697.5	1697.5	1697.5	1697.5	1697.5	1697.5	1697.5	1697.5	1697.5	1697.5	1697.5
2.5°	1711.9	1711.9	1721.6	1724.8	1724.8	1719.9	1715.1	1719.9	1734.4	1739.2	1737.6
5°	1705.5	1718.3	1736.0	1739.2	1742.4	1740.8	1737.6	1740.8	1756.9	1760.1	1761.7
7.5°	1692.6	1716.7	1739.2	1744.0	1748.9	1744.0	1742.4	1745.6	1761.7	1764.9	1764.9
10°	1676.6	1710.3	1736.0	1739.2	1744.0	1739.2	1739.2	1745.6	1761.7	1764.9	1766.5
12.5°	1654.1	1700.7	1724.8	1728.0	1734.4	1732.8	1731.2	1737.6	1753.7	1756.9	1756.9
15°	1628.4	1683.0	1705.5	1708.7	1719.9	1716.7	1716.7	1723.2	1740.8	1745.6	1744.0
17.5°	1593.1	1660.5	1686.2	1691.0	1699.1	1697.5	1699.1	1705.5	1721.6	1724.8	1726.4
20°	1552.9	1630.0	1660.5	1665.3	1673.4	1673.4	1673.4	1681.4	1697.5	1703.9	1703.9
22.5°	1498.3	1597.9	1630.0	1633.2	1642.9	1642.9	1646.1	1657.3	1671.8	1673.4	1673.4
25°	1434.1	1562.6	1589.9	1599.5	1609.1	1613.9	1618.8	1625.2	1630.0	1628.4	1630.0
27.5°	1366.6	1517.6	1552.9	1559.3	1572.2	1577.0	1583.4	1585.0	1586.6	1591.5	1588.3
30°	1291.1	1455.0	1508.0	1514.4	1535.3	1538.5	1532.0	1535.3	1543.3	1546.5	1549.7
32.5°	1206.0	1361.8	1461.4	1475.8	1495.1	1485.5	1483.9	1488.7	1501.5	1501.5	1504.7
35°	1090.4	1289.5	1418.0	1430.9	1445.3	1434.1	1440.5	1442.1	1450.1	1455.0	1453.3
37.5°	963.5	1226.9	1373.0	1382.7	1393.9	1379.5	1389.1	1393.9	1400.4	1397.1	1397.1
40°	851.2	1128.9	1320.1	1326.5	1336.1	1324.9	1334.5	1337.7	1340.9	1337.7	1336.1
42.5°	767.7	1021.3	1263.8	1271.9	1265.4	1273.5	1276.7	1283.1	1278.3	1271.9	1271.9
45°	703.4	992.4	1202.8	1212.4	1202.8	1215.7	1220.5	1220.5	1206.0	1202.8	1201.2
47.5°	682.6	934.7	1141.8	1141.8	1137.0	1153.0	1161.1	1149.8	1135.4	1130.5	1130.5
50°	680.9	870.5	1058.3	1051.8	1074.3	1093.6	1085.6	1074.3	1063.1	1045.4	1045.4
52.5°	618.3	791.8	950.8	974.8	1010.1	1021.3	1008.5	997.2	978.0	969.9	963.5
55°	573.3	709.9	852.8	901.0	937.9	952.4	928.3	917.0	888.1	883.3	880.1
57.5°	563.7	591.0	762.8	823.9	868.8	867.2	852.8	831.9	807.8	803.0	801.4
60°	517.1	427.2	666.5	738.8	785.3	780.5	767.7	748.4	725.9	722.7	719.5
62.5°	469.0	310.0	557.3	639.2	705.0	703.4	692.2	663.3	647.2	639.2	632.8
65°	398.3	260.2	396.7	531.6	626.3	629.6	605.5	584.6	566.9	557.3	555.7
67.5°	303.5	212.0	268.2	443.3	550.9	547.6	517.1	507.5	485.0	480.2	470.6
70°	224.8	141.3	186.3	359.7	477.0	469.0	444.9	433.6	412.7	401.5	395.1
72.5°	186.3	114.0	136.5	279.4	401.5	391.9	371.0	358.1	340.5	330.8	324.4
75°	151.0	120.4	104.4	207.2	326.0	319.6	300.3	287.5	273.0	260.2	261.8
77.5°	110.8	112.4	83.5	152.6	258.6	248.9	237.7	221.6	215.2	202.4	202.4
80°	83.5	88.3	62.6	104.4	186.3	186.3	176.7	165.4	154.2	147.8	147.8
82.5°	56.2	56.2	46.6	65.8	126.9	122.1	115.6	112.4	106.0	102.8	102.8
85°	25.7	32.1	28.9	40.2	69.1	72.3	72.3	69.1	67.5	64.2	65.8
87.5°	8.0	14.5	17.7	22.5	35.3	36.9	38.5	38.5	38.5	40.2	40.2
90°	10.0	18.1	26.0	28.0	44.1	65.4	76.1	67.7	50.7	38.1	38.1
92.5°	40.1	108.2	176.3	193.4	271.8	376.4	428.7	375.7	269.8	190.3	182.8
95°	96.2	220.8	345.5	376.6	668.7	1058.3	1253.1	1118.2	848.4	646.1	623.1
97.5°	166.3	276.2	386.2	413.7	900.9	1550.4	1875.2	1789.9	1619.4	1491.5	1447.9
100°	220.3	320.1	419.8	444.8	985.4	1706.1	2066.4	2072.7	2085.2	2094.5	2042.5
102.5°	266.4	359.5	452.5	475.8	1024.1	1755.0	2120.6	2229.2	2446.4	2609.3	2564.9
105°	344.6	423.3	502.2	521.9	1052.7	1760.6	2114.5	2358.1	2845.1	3210.4	3186.5
107.5°	424.7	498.2	571.6	590.0	1058.1	1682.3	1994.3	2334.0	3013.4	3522.9	3528.7
110°	478.8	545.2	611.5	628.0	1050.1	1612.8	1894.2	2273.9	3033.4	3603.1	3628.0



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	531.9	595.1	658.3	674.1	1050.4	1552.1	1803.0	2191.6	2968.9	3551.9	3590.2
115°	612.0	670.3	728.6	743.3	1060.1	1482.6	1693.8	2068.2	2817.0	3378.6	3431.7
117.5°	691.1	744.1	797.1	810.4	1079.8	1439.1	1618.7	1956.6	2632.4	3139.2	3198.1
120°	737.2	787.1	837.0	849.4	1095.9	1424.4	1588.7	1897.4	2514.9	2978.0	3035.2
122.5°	782.3	832.6	882.9	895.5	1118.9	1416.7	1565.6	1843.6	2399.7	2816.7	2873.1
125°	851.4	897.3	943.1	954.6	1149.9	1410.3	1540.6	1776.7	2249.0	2603.3	2655.3
127.5°	907.6	953.8	1000.1	1011.7	1181.0	1406.7	1519.5	1722.3	2127.9	2432.0	2475.9
130°	937.6	987.4	1037.3	1049.8	1203.7	1408.9	1511.5	1692.0	2053.1	2323.9	2364.4
132.5°	968.7	1018.5	1068.4	1080.8	1222.1	1410.4	1504.5	1666.1	1989.3	2231.7	2268.0
135°	1014.7	1060.1	1105.6	1116.9	1242.1	1409.0	1492.5	1627.8	1898.5	2101.5	2132.8
137.5°	1061.8	1106.8	1151.7	1162.9	1272.1	1417.7	1490.5	1605.0	1833.7	2005.3	2030.9
140°	1100.8	1142.3	1183.6	1194.0	1290.5	1419.1	1483.5	1582.3	1780.0	1928.2	1952.2
142.5°	1130.9	1169.2	1207.5	1217.0	1305.8	1424.3	1483.5	1570.3	1743.9	1874.1	1894.7
145°	1177.0	1210.4	1243.8	1252.1	1325.9	1424.3	1473.4	1544.4	1686.5	1793.0	1808.6
147.5°	1223.0	1255.6	1288.1	1296.2	1355.3	1434.1	1473.4	1529.3	1641.0	1724.8	1737.8
150°	1253.1	1282.5	1311.9	1319.2	1370.6	1439.1	1473.4	1520.6	1615.0	1685.8	1696.3
152.5°	1284.2	1306.4	1328.7	1334.3	1380.7	1442.5	1473.4	1513.7	1594.3	1654.7	1662.6
155°	1330.2	1346.7	1363.2	1367.3	1402.7	1449.8	1473.4	1505.5	1569.6	1617.7	1622.9
157.5°	1364.3	1380.4	1396.3	1400.4	1424.7	1457.2	1473.4	1498.4	1548.3	1585.7	1589.4
160°	1387.3	1399.8	1412.2	1415.4	1434.7	1460.5	1473.4	1494.8	1537.6	1569.6	1571.7
162.5°	1410.4	1419.7	1429.1	1431.4	1445.4	1464.1	1473.4	1491.5	1527.5	1554.6	1556.6
165°	1435.4	1443.8	1452.3	1454.4	1460.7	1469.2	1473.4	1486.4	1512.2	1531.6	1533.6
167.5°	1458.4	1462.4	1466.4	1467.5	1472.8	1479.9	1483.5	1491.9	1508.8	1521.5	1522.4
170°	1473.4	1477.4	1481.5	1482.5	1482.8	1483.2	1483.5	1491.9	1508.8	1521.5	1521.5
172.5°	1481.5	1482.3	1483.2	1483.5	1483.5	1483.5	1483.5	1490.1	1503.5	1513.5	1512.7
175°	1492.5	1492.5	1492.5	1492.5	1489.5	1485.5	1483.5	1487.7	1496.1	1502.5	1502.5
177.5°	1492.5	1492.5	1492.5	1492.5	1490.1	1487.0	1485.5	1488.8	1495.5	1500.5	1499.6
180°	1492.5	1492.5	1492.5	1492.5	1492.5	1492.5	1492.5	1492.5	1492.5	1492.5	1492.5



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1697.5	1697.5	1697.5	1697.5	1697.5	1697.5	1697.5	1697.5	1697.5	1697.5	1697.5
2.5°	1740.8	1736.0	1740.8	1737.6	1739.2	1734.4	1719.9	1715.1	1719.9	1724.8	1724.8
5°	1761.7	1758.5	1761.7	1761.7	1760.1	1756.9	1740.8	1737.6	1740.8	1742.4	1739.2
7.5°	1768.1	1763.3	1768.1	1764.9	1764.9	1761.7	1745.6	1742.4	1744.0	1748.9	1744.0
10°	1768.1	1763.3	1768.1	1766.5	1764.9	1761.7	1745.6	1739.2	1739.2	1744.0	1739.2
12.5°	1760.1	1756.9	1760.1	1756.9	1756.9	1753.7	1737.6	1731.2	1732.8	1734.4	1728.0
15°	1747.2	1742.4	1747.2	1744.0	1745.6	1740.8	1723.2	1716.7	1716.7	1719.9	1708.7
17.5°	1728.0	1721.6	1728.0	1726.4	1724.8	1721.6	1705.5	1699.1	1697.5	1699.1	1691.0
20°	1705.5	1700.7	1705.5	1703.9	1703.9	1697.5	1681.4	1673.4	1673.4	1673.4	1665.3
22.5°	1670.2	1665.3	1670.2	1673.4	1673.4	1671.8	1657.3	1646.1	1642.9	1642.9	1633.2
25°	1630.0	1625.2	1630.0	1630.0	1628.4	1630.0	1625.2	1618.8	1613.9	1609.1	1599.5
27.5°	1591.5	1588.3	1591.5	1588.3	1591.5	1586.6	1585.0	1583.4	1577.0	1572.2	1559.3
30°	1552.9	1549.7	1552.9	1549.7	1546.5	1543.3	1535.3	1532.0	1538.5	1535.3	1514.4
32.5°	1504.7	1501.5	1504.7	1504.7	1501.5	1501.5	1488.7	1483.9	1485.5	1495.1	1475.8
35°	1455.0	1450.1	1455.0	1453.3	1455.0	1450.1	1442.1	1440.5	1434.1	1445.3	1430.9
37.5°	1397.1	1392.3	1397.1	1397.1	1397.1	1400.4	1393.9	1389.1	1379.5	1393.9	1382.7
40°	1337.7	1331.3	1337.7	1336.1	1337.7	1340.9	1337.7	1334.5	1324.9	1336.1	1326.5
42.5°	1270.3	1268.7	1270.3	1271.9	1271.9	1278.3	1283.1	1276.7	1273.5	1265.4	1271.9
45°	1198.0	1194.8	1198.0	1201.2	1202.8	1206.0	1220.5	1220.5	1215.7	1202.8	1212.4
47.5°	1120.9	1112.9	1120.9	1130.5	1130.5	1135.4	1149.8	1161.1	1153.0	1137.0	1141.8
50°	1039.0	1040.6	1039.0	1045.4	1045.4	1063.1	1074.3	1085.6	1093.6	1074.3	1051.8
52.5°	958.7	957.2	958.7	963.5	969.9	978.0	997.2	1008.5	1021.3	1010.1	974.8
55°	878.5	881.7	878.5	880.1	883.3	888.1	917.0	928.3	952.4	937.9	901.0
57.5°	798.2	793.4	798.2	801.4	803.0	807.8	831.9	852.8	867.2	868.8	823.9
60°	705.0	698.6	705.0	719.5	722.7	725.9	748.4	767.7	780.5	785.3	738.8
62.5°	623.1	611.9	623.1	632.8	639.2	647.2	663.3	692.2	703.4	705.0	639.2
65°	536.4	531.6	536.4	555.7	557.3	566.9	584.6	605.5	629.6	626.3	531.6
67.5°	457.7	457.7	457.7	470.6	480.2	485.0	507.5	517.1	547.6	550.9	443.3
70°	385.4	383.8	385.4	395.1	401.5	412.7	433.6	444.9	469.0	477.0	359.7
72.5°	316.4	314.8	316.4	324.4	330.8	340.5	358.1	371.0	391.9	401.5	279.4
75°	255.4	252.1	255.4	261.8	260.2	273.0	287.5	300.3	319.6	326.0	207.2
77.5°	195.9	195.9	195.9	202.4	202.4	215.2	221.6	237.7	248.9	258.6	152.6
80°	146.1	144.5	146.1	147.8	147.8	154.2	165.4	176.7	186.3	186.3	104.4
82.5°	102.8	99.6	102.8	102.8	102.8	106.0	112.4	115.6	122.1	126.9	65.8
85°	64.2	64.2	64.2	65.8	64.2	67.5	69.1	72.3	72.3	69.1	40.2
87.5°	41.8	40.2	41.8	40.2	40.2	38.5	38.5	38.5	36.9	35.3	22.5
90°	38.1	38.1	38.1	38.1	38.1	50.7	67.7	76.1	65.4	44.1	28.0
92.5°	152.5	122.2	152.5	182.8	190.3	269.8	375.7	428.7	376.4	271.8	193.4
95°	531.4	439.7	531.4	623.1	646.1	848.4	1118.2	1253.1	1058.3	668.7	376.6
97.5°	1273.3	1098.8	1273.3	1447.9	1491.5	1619.4	1789.9	1875.2	1550.4	900.9	413.7
100°	1834.6	1626.7	1834.6	2042.5	2094.5	2085.2	2072.7	2066.4	1706.1	985.4	444.8
102.5°	2386.8	2208.7	2386.8	2564.9	2609.3	2446.4	2229.2	2120.6	1755.0	1024.1	475.8
105°	3090.7	2995.0	3090.7	3186.5	3210.4	2845.1	2358.1	2114.5	1760.6	1052.7	521.9
107.5°	3551.8	3575.0	3551.8	3528.7	3522.9	3013.4	2334.0	1994.3	1682.3	1058.1	590.0
110°	3727.7	3827.4	3727.7	3628.0	3603.1	3033.4	2273.9	1894.2	1612.8	1050.1	628.0



TEST NUMBER: P935952

CATALOG NUMBER: SQ4-FA-150U-075D-930-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3743.3	3896.5	3743.3	3590.2	3551.9	2968.9	2191.6	1803.0	1552.1	1050.4	674.1
115°	3644.1	3856.4	3644.1	3431.7	3378.6	2817.0	2068.2	1693.8	1482.6	1060.1	743.3
117.5°	3433.6	3669.1	3433.6	3198.1	3139.2	2632.4	1956.6	1618.7	1439.1	1079.8	810.4
120°	3264.0	3492.8	3264.0	3035.2	2978.0	2514.9	1897.4	1588.7	1424.4	1095.9	849.4
122.5°	3098.9	3324.6	3098.9	2873.1	2816.7	2399.7	1843.6	1565.6	1416.7	1118.9	895.5
125°	2863.3	3071.2	2863.3	2655.3	2603.3	2249.0	1776.7	1540.6	1410.3	1149.9	954.6
127.5°	2651.3	2826.7	2651.3	2475.9	2432.0	2127.9	1722.3	1519.5	1406.7	1181.0	1011.7
130°	2526.5	2688.5	2526.5	2364.4	2323.9	2053.1	1692.0	1511.5	1408.9	1203.7	1049.8
132.5°	2413.1	2558.3	2413.1	2268.0	2231.7	1989.3	1666.1	1504.5	1410.4	1222.1	1080.8
135°	2257.9	2383.0	2257.9	2132.8	2101.5	1898.5	1627.8	1492.5	1409.0	1242.1	1116.9
137.5°	2133.3	2235.7	2133.3	2030.9	2005.3	1833.7	1605.0	1490.5	1417.7	1272.1	1162.9
140°	2047.9	2143.6	2047.9	1952.2	1928.2	1780.0	1582.3	1483.5	1419.1	1290.5	1194.0
142.5°	1977.1	2059.5	1977.1	1894.7	1874.1	1743.9	1570.3	1483.5	1424.3	1305.8	1217.0
145°	1870.9	1933.2	1870.9	1808.6	1793.0	1686.5	1544.4	1473.4	1424.3	1325.9	1252.1
147.5°	1789.4	1841.0	1789.4	1737.8	1724.8	1641.0	1529.3	1473.4	1434.1	1355.3	1296.2
150°	1738.2	1780.0	1738.2	1696.3	1685.8	1615.0	1520.6	1473.4	1439.1	1370.6	1319.2
152.5°	1694.2	1725.9	1694.2	1662.6	1654.7	1594.3	1513.7	1473.4	1442.5	1380.7	1334.3
155°	1643.9	1664.8	1643.9	1622.9	1617.7	1569.6	1505.5	1473.4	1449.8	1402.7	1367.3
157.5°	1604.0	1618.7	1604.0	1589.4	1585.7	1548.3	1498.4	1473.4	1457.2	1424.7	1400.4
160°	1580.2	1588.7	1580.2	1571.7	1569.6	1537.6	1494.8	1473.4	1460.5	1434.7	1415.4
162.5°	1564.6	1572.6	1564.6	1556.6	1554.6	1527.5	1491.5	1473.4	1464.1	1445.4	1431.4
165°	1542.2	1550.6	1542.2	1533.6	1531.6	1512.2	1486.4	1473.4	1469.2	1460.7	1454.4
167.5°	1526.0	1529.6	1526.0	1522.4	1521.5	1508.8	1491.9	1483.5	1479.9	1472.8	1467.5
170°	1521.5	1521.5	1521.5	1521.5	1521.5	1508.8	1491.9	1483.5	1483.2	1482.8	1482.5
172.5°	1509.6	1506.5	1509.6	1512.7	1513.5	1503.5	1490.1	1483.5	1483.5	1483.5	1483.5
175°	1502.5	1502.5	1502.5	1502.5	1502.5	1496.1	1487.7	1483.5	1485.5	1489.5	1492.5
177.5°	1496.0	1492.5	1496.0	1499.6	1500.5	1495.5	1488.8	1485.5	1487.0	1490.1	1492.5
180°	1492.5	1492.5	1492.5	1492.5	1492.5	1492.5	1492.5	1492.5	1492.5	1492.5	1492.5



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1697.5	1697.5	1697.5	1697.5	1697.5	1697.5	1697.5	1697.5	1697.5	1697.5	1697.5
2.5°	1721.6	1711.9	1711.9	1695.9	1689.4	1684.6	1676.6	1652.5	1646.1	1639.6	1649.3
5°	1736.0	1718.3	1705.5	1676.6	1652.5	1642.9	1612.3	1554.5	1516.0	1487.1	1471.0
7.5°	1739.2	1716.7	1692.6	1647.7	1589.9	1564.2	1471.0	1365.0	1336.1	1310.4	1294.4
10°	1736.0	1710.3	1676.6	1609.1	1472.6	1427.7	1334.5	1265.4	1247.8	1243.0	1247.8
12.5°	1724.8	1700.7	1654.1	1541.7	1350.6	1320.1	1265.4	1225.3	1222.1	1230.1	1273.5
15°	1705.5	1683.0	1628.4	1451.7	1283.1	1260.6	1222.1	1207.6	1225.3	1281.5	1411.6
17.5°	1686.2	1660.5	1593.1	1363.4	1231.7	1215.7	1188.4	1217.3	1316.8	1392.3	1435.7
20°	1660.5	1630.0	1552.9	1299.2	1194.8	1180.3	1167.5	1297.6	1373.0	1400.4	1424.4
22.5°	1630.0	1597.9	1498.3	1254.2	1156.2	1145.0	1153.0	1342.5	1373.0	1392.3	1413.2
25°	1589.9	1562.6	1434.1	1218.9	1125.7	1112.9	1143.4	1337.7	1355.4	1360.2	1402.0
27.5°	1552.9	1517.6	1366.6	1186.8	1088.8	1084.0	1151.4	1316.8	1329.7	1334.5	1379.5
30°	1508.0	1455.0	1291.1	1153.0	1050.2	1048.6	1153.0	1291.1	1287.9	1300.8	1345.7
32.5°	1461.4	1361.8	1206.0	1111.3	1013.3	1011.7	1141.8	1252.6	1249.4	1267.1	1300.8
35°	1418.0	1289.5	1090.4	1063.1	966.7	968.3	1114.5	1207.6	1209.2	1225.3	1246.2
37.5°	1373.0	1226.9	963.5	1010.1	921.8	921.8	1077.5	1165.9	1162.7	1167.5	1196.4
40°	1320.1	1128.9	851.2	941.1	880.1	875.3	1032.6	1120.9	1109.7	1108.1	1148.2
42.5°	1263.8	1021.3	767.7	849.6	831.9	825.5	978.0	1066.3	1045.4	1050.2	1101.6
45°	1202.8	992.4	703.4	717.9	782.1	777.3	918.6	1003.7	989.2	1002.1	1055.1
47.5°	1141.8	934.7	682.6	595.8	729.1	727.5	852.8	942.7	934.7	947.5	1003.7
50°	1058.3	870.5	680.9	510.7	669.7	676.1	774.1	883.3	883.3	894.5	954.0
52.5°	950.8	791.8	618.3	462.5	600.6	619.9	705.0	831.9	835.1	846.4	899.4
55°	852.8	709.9	573.3	425.6	518.7	560.5	637.6	778.9	785.3	796.6	844.8
57.5°	762.8	591.0	563.7	382.2	443.3	483.4	578.2	727.5	730.7	740.4	786.9
60°	666.5	427.2	517.1	335.7	377.4	407.9	523.6	666.5	677.7	684.2	724.3
62.5°	557.3	310.0	469.0	303.5	345.3	351.7	478.6	608.7	623.1	627.9	652.0
65°	396.7	260.2	398.3	276.2	311.6	313.2	430.4	549.3	562.1	570.1	587.8
67.5°	268.2	212.0	303.5	250.5	285.9	287.5	383.8	480.2	497.9	504.3	515.5
70°	186.3	141.3	224.8	223.2	257.0	260.2	334.0	417.6	433.6	438.4	444.9
72.5°	136.5	114.0	186.3	200.8	226.4	229.7	282.7	346.9	363.0	367.8	371.0
75°	104.4	120.4	151.0	175.1	192.7	194.3	231.3	282.7	293.9	297.1	298.7
77.5°	83.5	112.4	110.8	141.3	157.4	154.2	181.5	218.4	228.1	228.1	228.1
80°	62.6	88.3	83.5	101.2	115.6	112.4	130.1	155.8	159.0	162.2	160.6
82.5°	46.6	56.2	56.2	64.2	77.1	73.9	86.7	101.2	101.2	101.2	104.4
85°	28.9	32.1	25.7	33.7	43.4	41.8	48.2	54.6	56.2	56.2	53.0
87.5°	17.7	14.5	8.0	12.8	19.3	19.3	22.5	24.1	22.5	22.5	22.5
90°	26.0	18.1	10.0	18.1	26.0	28.0	44.1	65.4	76.1	67.7	50.7
92.5°	176.3	108.2	40.1	108.2	176.3	193.4	271.8	376.4	428.7	375.7	269.8
95°	345.5	220.8	96.2	220.8	345.5	376.6	668.7	1058.3	1253.1	1118.2	848.4
97.5°	386.2	276.2	166.3	276.2	386.2	413.7	900.9	1550.4	1875.2	1789.9	1619.4
100°	419.8	320.1	220.3	320.1	419.8	444.8	985.4	1706.1	2066.4	2072.7	2085.2
102.5°	452.5	359.5	266.4	359.5	452.5	475.8	1024.1	1755.0	2120.6	2229.2	2446.4
105°	502.2	423.3	344.6	423.3	502.2	521.9	1052.7	1760.6	2114.5	2358.1	2845.1
107.5°	571.6	498.2	424.7	498.2	571.6	590.0	1058.1	1682.3	1994.3	2334.0	3013.4
110°	611.5	545.2	478.8	545.2	611.5	628.0	1050.1	1612.8	1894.2	2273.9	3033.4



TEST NUMBER: P935952

CATALOG NUMBER: SQ4-FA-150U-075D-930-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	658.3	595.1	531.9	595.1	658.3	674.1	1050.4	1552.1	1803.0	2191.6	2968.9
115°	728.6	670.3	612.0	670.3	728.6	743.3	1060.1	1482.6	1693.8	2068.2	2817.0
117.5°	797.1	744.1	691.1	744.1	797.1	810.4	1079.8	1439.1	1618.7	1956.6	2632.4
120°	837.0	787.1	737.2	787.1	837.0	849.4	1095.9	1424.4	1588.7	1897.4	2514.9
122.5°	882.9	832.6	782.3	832.6	882.9	895.5	1118.9	1416.7	1565.6	1843.6	2399.7
125°	943.1	897.3	851.4	897.3	943.1	954.6	1149.9	1410.3	1540.6	1776.7	2249.0
127.5°	1000.1	953.8	907.6	953.8	1000.1	1011.7	1181.0	1406.7	1519.5	1722.3	2127.9
130°	1037.3	987.4	937.6	987.4	1037.3	1049.8	1203.7	1408.9	1511.5	1692.0	2053.1
132.5°	1068.4	1018.5	968.7	1018.5	1068.4	1080.8	1222.1	1410.4	1504.5	1666.1	1989.3
135°	1105.6	1060.1	1014.7	1060.1	1105.6	1116.9	1242.1	1409.0	1492.5	1627.8	1898.5
137.5°	1151.7	1106.8	1061.8	1106.8	1151.7	1162.9	1272.1	1417.7	1490.5	1605.0	1833.7
140°	1183.6	1142.3	1100.8	1142.3	1183.6	1194.0	1290.5	1419.1	1483.5	1582.3	1780.0
142.5°	1207.5	1169.2	1130.9	1169.2	1207.5	1217.0	1305.8	1424.3	1483.5	1570.3	1743.9
145°	1243.8	1210.4	1177.0	1210.4	1243.8	1252.1	1325.9	1424.3	1473.4	1544.4	1686.5
147.5°	1288.1	1255.6	1223.0	1255.6	1288.1	1296.2	1355.3	1434.1	1473.4	1529.3	1641.0
150°	1311.9	1282.5	1253.1	1282.5	1311.9	1319.2	1370.6	1439.1	1473.4	1520.6	1615.0
152.5°	1328.7	1306.4	1284.2	1306.4	1328.7	1334.3	1380.7	1442.5	1473.4	1513.7	1594.3
155°	1363.2	1346.7	1330.2	1346.7	1363.2	1367.3	1402.7	1449.8	1473.4	1505.5	1569.6
157.5°	1396.3	1380.4	1364.3	1380.4	1396.3	1400.4	1424.7	1457.2	1473.4	1498.4	1548.3
160°	1412.2	1399.8	1387.3	1399.8	1412.2	1415.4	1434.7	1460.5	1473.4	1494.8	1537.6
162.5°	1429.1	1419.7	1410.4	1419.7	1429.1	1431.4	1445.4	1464.1	1473.4	1491.5	1527.5
165°	1452.3	1443.8	1435.4	1443.8	1452.3	1454.4	1460.7	1469.2	1473.4	1486.4	1512.2
167.5°	1466.4	1462.4	1458.4	1462.4	1466.4	1467.5	1472.8	1479.9	1483.5	1491.9	1508.8
170°	1481.5	1477.4	1473.4	1477.4	1481.5	1482.5	1482.8	1483.2	1483.5	1491.9	1508.8
172.5°	1483.2	1482.3	1481.5	1482.3	1483.2	1483.5	1483.5	1483.5	1483.5	1490.1	1503.5
175°	1492.5	1492.5	1492.5	1492.5	1492.5	1492.5	1489.5	1485.5	1483.5	1487.7	1496.1
177.5°	1492.5	1492.5	1492.5	1492.5	1492.5	1492.5	1490.1	1487.0	1485.5	1488.8	1495.5
180°	1492.5	1492.5	1492.5	1492.5	1492.5	1492.5	1492.5	1492.5	1492.5	1492.5	1492.5



TEST NUMBER: P935952
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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1697.5	1697.5	1697.5	1697.5	1697.5	1697.5	1697.5	1697.5	1697.5	1697.5	1697.5
2.5°	1638.0	1633.2	1639.6	1622.0	1639.6	1633.2	1638.0	1649.3	1639.6	1646.1	1652.5
5°	1437.3	1429.3	1403.6	1382.7	1403.6	1429.3	1437.3	1471.0	1487.1	1516.0	1554.5
7.5°	1284.7	1278.3	1271.9	1259.0	1271.9	1278.3	1284.7	1294.4	1310.4	1336.1	1365.0
10°	1251.0	1252.6	1262.2	1260.6	1262.2	1252.6	1251.0	1247.8	1243.0	1247.8	1265.4
12.5°	1337.7	1352.2	1405.2	1402.0	1405.2	1352.2	1337.7	1273.5	1230.1	1222.1	1225.3
15°	1437.3	1442.1	1453.3	1455.0	1453.3	1442.1	1437.3	1411.6	1281.5	1225.3	1207.6
17.5°	1446.9	1448.5	1456.6	1456.6	1456.6	1448.5	1446.9	1435.7	1392.3	1316.8	1217.3
20°	1438.9	1442.1	1458.2	1461.4	1458.2	1442.1	1438.9	1424.4	1400.4	1373.0	1297.6
22.5°	1435.7	1442.1	1455.0	1453.3	1455.0	1442.1	1435.7	1413.2	1392.3	1373.0	1342.5
25°	1419.6	1419.6	1421.2	1422.8	1421.2	1419.6	1419.6	1402.0	1360.2	1355.4	1337.7
27.5°	1385.9	1389.1	1398.7	1397.1	1398.7	1389.1	1385.9	1379.5	1334.5	1329.7	1316.8
30°	1355.4	1352.2	1344.1	1337.7	1344.1	1352.2	1355.4	1345.7	1300.8	1287.9	1291.1
32.5°	1304.0	1296.0	1287.9	1283.1	1287.9	1296.0	1304.0	1300.8	1267.1	1249.4	1252.6
35°	1243.0	1244.6	1243.0	1238.1	1243.0	1244.6	1243.0	1246.2	1225.3	1209.2	1207.6
37.5°	1199.6	1202.8	1201.2	1194.8	1201.2	1202.8	1199.6	1196.4	1167.5	1162.7	1165.9
40°	1154.6	1156.2	1154.6	1149.8	1154.6	1156.2	1154.6	1148.2	1108.1	1109.7	1120.9
42.5°	1111.3	1109.7	1104.8	1101.6	1104.8	1109.7	1111.3	1101.6	1050.2	1045.4	1066.3
45°	1061.5	1063.1	1053.5	1048.6	1053.5	1063.1	1061.5	1055.1	1002.1	989.2	1003.7
47.5°	1011.7	1011.7	1003.7	998.9	1003.7	1011.7	1011.7	1003.7	947.5	934.7	942.7
50°	958.7	957.2	945.9	944.3	945.9	957.2	958.7	954.0	894.5	883.3	883.3
52.5°	897.8	897.8	899.4	902.6	899.4	897.8	897.8	899.4	846.4	835.1	831.9
55°	844.8	846.4	857.6	860.8	857.6	846.4	844.8	844.8	796.6	785.3	778.9
57.5°	790.2	790.2	798.2	798.2	798.2	790.2	790.2	786.9	740.4	730.7	727.5
60°	727.5	730.7	737.2	735.5	737.2	730.7	727.5	724.3	684.2	677.7	666.5
62.5°	661.7	664.9	666.5	663.3	666.5	664.9	661.7	652.0	627.9	623.1	608.7
65°	592.6	595.8	597.4	594.2	597.4	595.8	592.6	587.8	570.1	562.1	549.3
67.5°	522.0	520.3	518.7	525.2	518.7	520.3	522.0	515.5	504.3	497.9	480.2
70°	449.7	449.7	448.1	451.3	448.1	449.7	449.7	444.9	438.4	433.6	417.6
72.5°	372.6	371.0	377.4	372.6	377.4	371.0	372.6	371.0	367.8	363.0	346.9
75°	297.1	300.3	297.1	301.9	297.1	300.3	297.1	298.7	297.1	293.9	282.7
77.5°	226.4	229.7	226.4	226.4	226.4	229.7	226.4	228.1	228.1	228.1	218.4
80°	160.6	159.0	159.0	157.4	159.0	159.0	160.6	160.6	162.2	159.0	155.8
82.5°	102.8	101.2	101.2	104.4	101.2	101.2	102.8	104.4	101.2	101.2	101.2
85°	56.2	57.8	54.6	54.6	54.6	57.8	56.2	53.0	56.2	56.2	54.6
87.5°	20.9	19.3	19.3	19.3	19.3	19.3	20.9	22.5	22.5	22.5	24.1
90°	38.1	38.1	38.1	38.1	38.1	38.1	38.1	50.7	67.7	76.1	65.4
92.5°	190.3	182.8	152.5	122.2	152.5	182.8	190.3	269.8	375.7	428.7	376.4
95°	646.1	623.1	531.4	439.7	531.4	623.1	646.1	848.4	1118.2	1253.1	1058.3
97.5°	1491.5	1447.9	1273.3	1098.8	1273.3	1447.9	1491.5	1619.4	1789.9	1875.2	1550.4
100°	2094.5	2042.5	1834.6	1626.7	1834.6	2042.5	2094.5	2085.2	2072.7	2066.4	1706.1
102.5°	2609.3	2564.9	2386.8	2208.7	2386.8	2564.9	2609.3	2446.4	2229.2	2120.6	1755.0
105°	3210.4	3186.5	3090.7	2995.0	3090.7	3186.5	3210.4	2845.1	2358.1	2114.5	1760.6
107.5°	3522.9	3528.7	3551.8	3575.0	3551.8	3528.7	3522.9	3013.4	2334.0	1994.3	1682.3
110°	3603.1	3628.0	3727.7	3827.4	3727.7	3628.0	3603.1	3033.4	2273.9	1894.2	1612.8



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3551.9	3590.2	3743.3	3896.5	3743.3	3590.2	3551.9	2968.9	2191.6	1803.0	1552.1
115°	3378.6	3431.7	3644.1	3856.4	3644.1	3431.7	3378.6	2817.0	2068.2	1693.8	1482.6
117.5°	3139.2	3198.1	3433.6	3669.1	3433.6	3198.1	3139.2	2632.4	1956.6	1618.7	1439.1
120°	2978.0	3035.2	3264.0	3492.8	3264.0	3035.2	2978.0	2514.9	1897.4	1588.7	1424.4
122.5°	2816.7	2873.1	3098.9	3324.6	3098.9	2873.1	2816.7	2399.7	1843.6	1565.6	1416.7
125°	2603.3	2655.3	2863.3	3071.2	2863.3	2655.3	2603.3	2249.0	1776.7	1540.6	1410.3
127.5°	2432.0	2475.9	2651.3	2826.7	2651.3	2475.9	2432.0	2127.9	1722.3	1519.5	1406.7
130°	2323.9	2364.4	2526.5	2688.5	2526.5	2364.4	2323.9	2053.1	1692.0	1511.5	1408.9
132.5°	2231.7	2268.0	2413.1	2558.3	2413.1	2268.0	2231.7	1989.3	1666.1	1504.5	1410.4
135°	2101.5	2132.8	2257.9	2383.0	2257.9	2132.8	2101.5	1898.5	1627.8	1492.5	1409.0
137.5°	2005.3	2030.9	2133.3	2235.7	2133.3	2030.9	2005.3	1833.7	1605.0	1490.5	1417.7
140°	1928.2	1952.2	2047.9	2143.6	2047.9	1952.2	1928.2	1780.0	1582.3	1483.5	1419.1
142.5°	1874.1	1894.7	1977.1	2059.5	1977.1	1894.7	1874.1	1743.9	1570.3	1483.5	1424.3
145°	1793.0	1808.6	1870.9	1933.2	1870.9	1808.6	1793.0	1686.5	1544.4	1473.4	1424.3
147.5°	1724.8	1737.8	1789.4	1841.0	1789.4	1737.8	1724.8	1641.0	1529.3	1473.4	1434.1
150°	1685.8	1696.3	1738.2	1780.0	1738.2	1696.3	1685.8	1615.0	1520.6	1473.4	1439.1
152.5°	1654.7	1662.6	1694.2	1725.9	1694.2	1662.6	1654.7	1594.3	1513.7	1473.4	1442.5
155°	1617.7	1622.9	1643.9	1664.8	1643.9	1622.9	1617.7	1569.6	1505.5	1473.4	1449.8
157.5°	1585.7	1589.4	1604.0	1618.7	1604.0	1589.4	1585.7	1548.3	1498.4	1473.4	1457.2
160°	1569.6	1571.7	1580.2	1588.7	1580.2	1571.7	1569.6	1537.6	1494.8	1473.4	1460.5
162.5°	1554.6	1556.6	1564.6	1572.6	1564.6	1556.6	1554.6	1527.5	1491.5	1473.4	1464.1
165°	1531.6	1533.6	1542.2	1550.6	1542.2	1533.6	1531.6	1512.2	1486.4	1473.4	1469.2
167.5°	1521.5	1522.4	1526.0	1529.6	1526.0	1522.4	1521.5	1508.8	1491.9	1483.5	1479.9
170°	1521.5	1521.5	1521.5	1521.5	1521.5	1521.5	1521.5	1508.8	1491.9	1483.5	1483.2
172.5°	1513.5	1512.7	1509.6	1506.5	1509.6	1512.7	1513.5	1503.5	1490.1	1483.5	1483.5
175°	1502.5	1502.5	1502.5	1502.5	1502.5	1502.5	1502.5	1496.1	1487.7	1483.5	1485.5
177.5°	1500.5	1499.6	1496.0	1492.5	1496.0	1499.6	1500.5	1495.5	1488.8	1485.5	1487.0
180°	1492.5	1492.5	1492.5	1492.5	1492.5	1492.5	1492.5	1492.5	1492.5	1492.5	1492.5



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1697.5	1697.5	1697.5	1697.5	1697.5
2.5°	1676.6	1684.6	1689.4	1695.9	1711.9
5°	1612.3	1642.9	1652.5	1676.6	1705.5
7.5°	1471.0	1564.2	1589.9	1647.7	1692.6
10°	1334.5	1427.7	1472.6	1609.1	1676.6
12.5°	1265.4	1320.1	1350.6	1541.7	1654.1
15°	1222.1	1260.6	1283.1	1451.7	1628.4
17.5°	1188.4	1215.7	1231.7	1363.4	1593.1
20°	1167.5	1180.3	1194.8	1299.2	1552.9
22.5°	1153.0	1145.0	1156.2	1254.2	1498.3
25°	1143.4	1112.9	1125.7	1218.9	1434.1
27.5°	1151.4	1084.0	1088.8	1186.8	1366.6
30°	1153.0	1048.6	1050.2	1153.0	1291.1
32.5°	1141.8	1011.7	1013.3	1111.3	1206.0
35°	1114.5	968.3	966.7	1063.1	1090.4
37.5°	1077.5	921.8	921.8	1010.1	963.5
40°	1032.6	875.3	880.1	941.1	851.2
42.5°	978.0	825.5	831.9	849.6	767.7
45°	918.6	777.3	782.1	717.9	703.4
47.5°	852.8	727.5	729.1	595.8	682.6
50°	774.1	676.1	669.7	510.7	680.9
52.5°	705.0	619.9	600.6	462.5	618.3
55°	637.6	560.5	518.7	425.6	573.3
57.5°	578.2	483.4	443.3	382.2	563.7
60°	523.6	407.9	377.4	335.7	517.1
62.5°	478.6	351.7	345.3	303.5	469.0
65°	430.4	313.2	311.6	276.2	398.3
67.5°	383.8	287.5	285.9	250.5	303.5
70°	334.0	260.2	257.0	223.2	224.8
72.5°	282.7	229.7	226.4	200.8	186.3
75°	231.3	194.3	192.7	175.1	151.0
77.5°	181.5	154.2	157.4	141.3	110.8
80°	130.1	112.4	115.6	101.2	83.5
82.5°	86.7	73.9	77.1	64.2	56.2
85°	48.2	41.8	43.4	33.7	25.7
87.5°	22.5	19.3	19.3	12.8	8.0
90°	44.1	28.0	26.0	18.1	10.0
92.5°	271.8	193.4	176.3	108.2	40.1
95°	668.7	376.6	345.5	220.8	96.2
97.5°	900.9	413.7	386.2	276.2	166.3
100°	985.4	444.8	419.8	320.1	220.3
102.5°	1024.1	475.8	452.5	359.5	266.4
105°	1052.7	521.9	502.2	423.3	344.6
107.5°	1058.1	590.0	571.6	498.2	424.7
110°	1050.1	628.0	611.5	545.2	478.8



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CATALOG NUMBER: SQ4-FA-150U-075D-930-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1050.4	674.1	658.3	595.1	531.9
115°	1060.1	743.3	728.6	670.3	612.0
117.5°	1079.8	810.4	797.1	744.1	691.1
120°	1095.9	849.4	837.0	787.1	737.2
122.5°	1118.9	895.5	882.9	832.6	782.3
125°	1149.9	954.6	943.1	897.3	851.4
127.5°	1181.0	1011.7	1000.1	953.8	907.6
130°	1203.7	1049.8	1037.3	987.4	937.6
132.5°	1222.1	1080.8	1068.4	1018.5	968.7
135°	1242.1	1116.9	1105.6	1060.1	1014.7
137.5°	1272.1	1162.9	1151.7	1106.8	1061.8
140°	1290.5	1194.0	1183.6	1142.3	1100.8
142.5°	1305.8	1217.0	1207.5	1169.2	1130.9
145°	1325.9	1252.1	1243.8	1210.4	1177.0
147.5°	1355.3	1296.2	1288.1	1255.6	1223.0
150°	1370.6	1319.2	1311.9	1282.5	1253.1
152.5°	1380.7	1334.3	1328.7	1306.4	1284.2
155°	1402.7	1367.3	1363.2	1346.7	1330.2
157.5°	1424.7	1400.4	1396.3	1380.4	1364.3
160°	1434.7	1415.4	1412.2	1399.8	1387.3
162.5°	1445.4	1431.4	1429.1	1419.7	1410.4
165°	1460.7	1454.4	1452.3	1443.8	1435.4
167.5°	1472.8	1467.5	1466.4	1462.4	1458.4
170°	1482.8	1482.5	1481.5	1477.4	1473.4
172.5°	1483.5	1483.5	1483.2	1482.3	1481.5
175°	1489.5	1492.5	1492.5	1492.5	1492.5
177.5°	1490.1	1492.5	1492.5	1492.5	1492.5
180°	1492.5	1492.5	1492.5	1492.5	1492.5



TEST NUMBER: P935952
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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	9.94	10.65	11.04	11.75	13.27	12.78	13.49	13.88	14.59	16.11
	3H	10.40	11.04	11.51	12.15	13.68	14.11	14.75	15.22	15.86	17.39
	4H	10.59	11.20	11.71	12.30	13.84	14.55	15.16	15.67	16.27	17.81
	6H	10.70	11.26	11.83	12.37	13.92	14.83	15.39	15.96	16.50	18.05
	8H	10.70	11.23	11.83	12.35	13.90	14.90	15.43	16.03	16.56	18.10
	12H	10.66	11.17	11.80	12.29	13.85	14.94	15.44	16.07	16.56	18.13
4H	2H	10.95	11.56	12.08	12.67	14.21	13.17	13.77	14.30	14.88	16.42
	3H	11.97	12.47	13.10	13.61	15.16	14.66	15.17	15.80	16.30	17.85
	4H	12.24	12.70	13.38	13.83	15.40	15.18	15.65	16.32	16.77	18.34
	6H	12.35	12.75	13.50	13.90	15.46	15.54	15.94	16.69	17.09	18.65
	8H	12.36	12.73	13.50	13.87	15.44	15.65	16.02	16.79	17.16	18.74
	12H	12.32	12.65	13.48	13.80	15.39	15.70	16.04	16.86	17.19	18.77
8H	4H	12.68	13.05	13.82	14.19	15.77	15.30	15.67	16.44	16.81	18.39
	6H	12.94	13.24	14.10	14.42	16.00	15.73	16.04	16.89	17.22	18.79
	8H	12.98	13.24	14.15	14.40	16.00	15.88	16.15	17.05	17.31	18.90
	12H	12.95	13.19	14.13	14.35	15.98	15.97	16.21	17.15	17.37	19.00
12H	4H	12.68	13.02	13.84	14.17	15.75	15.25	15.59	16.41	16.74	18.32
	6H	13.00	13.26	14.17	14.42	16.02	15.72	15.99	16.89	17.15	18.75
	8H	13.06	13.29	14.23	14.45	16.08	15.88	16.12	17.05	17.27	18.90