

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: P934617

Luminaire Tested: SQ4-FA-075U-050D-840-1D-UNV-STD-W-12

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934617
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-840-1D-UNV-STD-W-12
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

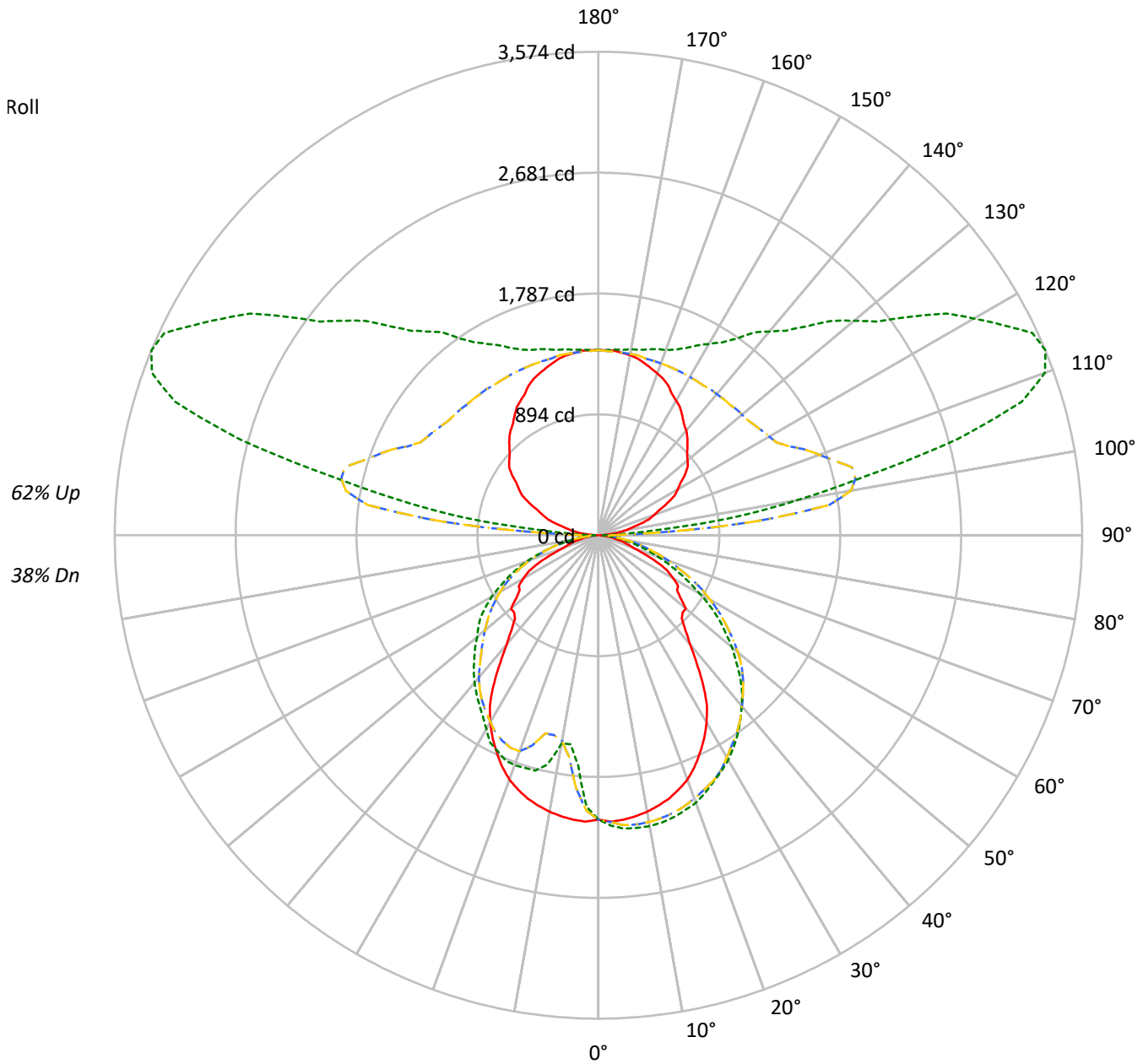
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14328.0 lumens
Efficiency: N/A
Efficacy: 138.8 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: 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				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°	6499	6499	6499	6499
5°	6550	6561	6550	5158
10°	6509	6462	6509	4620
15°	6440	6322	6440	5279
20°	6308	6156	6308	5290
25°	6035	5915	6035	5178
30°	5681	5714	5681	4932
35°	5067	5460	5067	4662
40°	4224	5161	4224	4457
45°	3777	4810	3777	4222
50°	4016	4393	4016	3986
55°	3782	3943	3782	3850
60°	3903	3349	3903	3526
65°	3545	2769	3545	3095
70°	2460	2206	2460	2594
75°	2165	1631	2165	1953
80°	1757	1078	1757	1174
85°	1030	571	1030	486

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 5785 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	189.7	1.3
10°-20°	538.5	3.8
20°-30°	832.4	5.8
30°-40°	993.7	6.9
40°-50°	999.6	7.0
50°-60°	869.7	6.1
60°-70°	616.7	4.3
70°-80°	326.3	2.3
80°-90°	86.5	0.6
90°-100°	667.3	4.7
100°-110°	1754.5	12.2
110°-120°	1819.2	12.7
120°-130°	1459.2	10.2
130°-140°	1145.0	8.0
140°-150°	878.8	6.1
150°-160°	632.9	4.4
160°-170°	387.2	2.7
170°-180°	130.8	0.9
0°-30°	1560.6	10.9
0°-40°	2554.3	17.8
0°-60°	4423.7	30.9
0°-90°	5453.1	38.1
90°-120°	4241.0	29.6
90°-150°	7724.0	53.9
90°-180°	8875.0	61.9
0°-180°	14328.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2101	2101	2101	2101	2101	
5°	2111	2177	2111	1712	2111	200
15°	2016	2157	2016	1801	2016	567
25°	1775	2012	1775	1761	1775	815
35°	1350	1795	1350	1533	1350	835
45°	871	1479	871	1298	871	697
55°	710	1091	710	1066	710	652
65°	493	658	493	736	493	471
75°	187	312	187	374	187	196
85°	32	80	32	68	32	43
90°	9	35	9	35	9	9
95°	88	403	88	403	88	98
105°	316	2747	316	2747	316	335
115°	561	3537	561	3537	561	554
125°	781	2817	781	2817	781	693
135°	931	2186	931	2186	931	720
145°	1080	1773	1080	1773	1080	676
155°	1220	1527	1220	1527	1220	561
165°	1317	1422	1317	1422	1317	372
175°	1369	1378	1369	1378	1369	130
180°	1369	1369	1369	1369	1369	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2101.1	2101.1	2101.1	2101.1	2101.1	2101.1	2101.1	2101.1	2101.1	2101.1	2101.1
2.5°	2119.0	2119.0	2130.9	2134.9	2134.9	2128.9	2123.0	2128.9	2146.8	2152.8	2150.8
5°	2111.1	2127.0	2148.8	2152.8	2156.8	2154.8	2150.8	2154.8	2174.7	2178.6	2180.6
7.5°	2095.2	2125.0	2152.8	2158.8	2164.7	2158.8	2156.8	2160.8	2180.6	2184.6	2184.6
10°	2075.3	2117.0	2148.8	2152.8	2158.8	2152.8	2152.8	2160.8	2180.6	2184.6	2186.6
12.5°	2047.4	2105.1	2134.9	2138.9	2146.8	2144.8	2142.9	2150.8	2170.7	2174.7	2174.7
15°	2015.6	2083.2	2111.1	2115.0	2128.9	2125.0	2125.0	2132.9	2154.8	2160.8	2158.8
17.5°	1971.9	2055.4	2087.2	2093.2	2103.2	2101.1	2103.2	2111.1	2130.9	2134.9	2136.9
20°	1922.3	2017.6	2055.4	2061.4	2071.3	2071.3	2071.3	2081.2	2101.1	2109.1	2109.1
22.5°	1854.7	1977.9	2017.6	2021.6	2033.5	2033.5	2037.6	2051.4	2069.3	2071.3	2071.3
25°	1775.1	1934.1	1967.9	1979.9	1991.8	1997.7	2003.8	2011.7	2017.6	2015.6	2017.6
27.5°	1691.7	1878.5	1922.3	1930.2	1946.1	1952.0	1960.0	1962.0	1963.9	1969.9	1965.9
30°	1598.2	1800.9	1866.5	1874.5	1900.3	1904.4	1896.4	1900.3	1910.3	1914.2	1918.2
32.5°	1492.9	1685.6	1808.9	1826.8	1850.6	1838.8	1836.7	1842.7	1858.6	1858.6	1862.6
35°	1349.7	1596.2	1755.3	1771.2	1789.1	1775.1	1783.0	1785.0	1795.0	1800.9	1799.0
37.5°	1192.7	1518.7	1699.6	1711.5	1725.4	1707.6	1719.4	1725.4	1733.3	1729.4	1729.4
40°	1053.5	1397.4	1634.0	1642.0	1653.8	1640.0	1651.8	1655.9	1659.8	1655.9	1653.8
42.5°	950.2	1264.2	1564.4	1574.4	1566.4	1576.4	1580.3	1588.3	1582.3	1574.4	1574.4
45°	870.6	1228.5	1488.9	1500.8	1488.9	1504.8	1510.8	1510.8	1492.9	1488.9	1486.8
47.5°	844.8	1156.9	1413.3	1413.3	1407.4	1427.3	1437.1	1423.3	1405.4	1399.4	1399.4
50°	842.9	1077.4	1310.0	1302.0	1329.8	1353.7	1343.8	1329.8	1315.9	1294.1	1294.1
52.5°	765.3	980.0	1176.8	1206.6	1250.3	1264.2	1248.3	1234.4	1210.6	1200.6	1192.7
55°	709.7	878.6	1055.5	1115.2	1160.9	1178.8	1148.9	1135.0	1099.2	1093.3	1089.4
57.5°	697.7	731.5	944.2	1019.7	1075.4	1073.5	1055.5	1029.7	999.9	993.9	992.0
60°	640.1	528.8	825.0	914.4	972.0	966.1	950.2	926.3	898.5	894.5	890.6
62.5°	580.4	383.6	689.7	791.2	872.6	870.6	856.8	820.9	801.1	791.2	783.2
65°	493.0	322.0	491.0	658.0	775.3	779.2	749.4	723.6	701.7	689.7	687.7
67.5°	375.7	262.4	332.0	548.6	681.8	677.9	640.1	628.2	600.3	594.4	582.4
70°	278.3	175.0	230.6	445.3	590.4	580.4	550.6	536.7	510.9	497.0	489.0
72.5°	230.6	141.1	168.9	345.9	497.0	485.0	459.2	443.3	421.4	409.5	401.5
75°	186.8	149.1	129.2	256.4	403.5	395.6	371.7	355.8	337.9	322.0	324.0
77.5°	137.1	139.1	103.3	188.8	320.0	308.2	294.2	274.4	266.4	250.5	250.5
80°	103.3	109.4	77.6	129.2	230.6	230.6	218.6	204.7	190.8	182.9	182.9
82.5°	69.6	69.6	57.6	81.5	157.0	151.1	143.2	139.1	131.2	127.3	127.3
85°	31.8	39.7	35.8	49.7	85.5	89.4	89.4	85.5	83.5	79.5	81.5
87.5°	10.0	17.9	21.8	27.9	43.8	45.7	47.7	47.7	47.7	49.7	49.7
90°	9.2	16.5	23.8	25.7	40.4	60.1	69.9	62.0	46.5	34.9	34.9
92.5°	36.8	99.2	161.7	177.3	249.3	345.2	393.2	344.6	247.5	174.6	167.7
95°	88.2	202.5	317.0	345.5	613.4	970.8	1149.4	1025.7	778.2	592.6	571.6
97.5°	152.5	253.4	354.3	379.5	826.4	1422.1	1720.0	1641.8	1485.4	1368.1	1328.1
100°	202.1	293.6	385.1	407.9	903.8	1564.9	1895.5	1901.2	1912.7	1921.3	1873.5
102.5°	244.4	329.8	415.1	436.4	939.3	1609.8	1945.2	2044.8	2244.0	2393.5	2352.7
105°	316.1	388.4	460.6	478.7	965.7	1615.0	1939.6	2163.0	2609.8	2944.8	2922.9
107.5°	389.6	457.0	524.3	541.2	970.6	1543.2	1829.4	2141.0	2764.1	3231.5	3236.8
110°	439.2	500.0	560.9	576.1	963.2	1479.4	1737.5	2085.9	2782.5	3305.0	3327.8



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	487.9	545.9	603.9	618.4	963.6	1423.8	1653.9	2010.4	2723.4	3258.1	3293.2
115°	561.4	614.8	668.4	681.7	972.4	1360.0	1553.7	1897.2	2584.0	3099.2	3147.9
117.5°	634.0	682.6	731.1	743.3	990.5	1320.0	1484.8	1794.7	2414.6	2879.5	2933.6
120°	676.3	722.0	767.7	779.1	1005.2	1306.5	1457.2	1740.4	2306.8	2731.6	2784.1
122.5°	717.6	763.7	809.9	821.4	1026.3	1299.5	1436.1	1691.1	2201.2	2583.7	2635.5
125°	781.0	823.1	865.2	875.7	1054.8	1293.7	1413.1	1629.8	2063.0	2388.0	2435.7
127.5°	832.5	875.0	917.5	928.0	1083.3	1290.3	1393.9	1579.9	1951.9	2230.9	2271.1
130°	860.1	905.8	951.4	962.9	1104.1	1292.3	1386.5	1552.0	1883.2	2131.6	2168.8
132.5°	888.5	934.3	979.9	991.4	1120.9	1293.7	1380.0	1528.2	1824.7	2047.1	2080.4
135°	930.8	972.4	1014.1	1024.5	1139.4	1292.5	1369.1	1493.2	1741.4	1927.7	1956.3
137.5°	974.0	1015.2	1056.5	1066.7	1166.9	1300.4	1367.2	1472.1	1682.1	1839.5	1863.0
140°	1009.7	1047.7	1085.7	1095.2	1183.7	1301.8	1360.8	1451.5	1632.8	1768.7	1790.7
142.5°	1037.3	1072.5	1107.5	1116.3	1197.9	1306.4	1360.8	1440.4	1599.7	1719.1	1738.0
145°	1079.6	1110.2	1140.8	1148.6	1216.2	1306.4	1351.6	1416.7	1547.0	1644.7	1659.0
147.5°	1121.9	1151.7	1181.5	1189.0	1243.2	1315.4	1351.6	1402.9	1505.3	1582.2	1594.0
150°	1149.4	1176.4	1203.4	1210.1	1257.2	1320.2	1351.6	1394.9	1481.4	1546.3	1555.9
152.5°	1177.9	1198.3	1218.7	1223.8	1266.4	1323.2	1351.6	1388.5	1462.4	1517.9	1525.1
155°	1220.2	1235.3	1250.4	1254.2	1286.7	1329.9	1351.6	1381.0	1439.8	1483.9	1488.7
157.5°	1251.4	1266.1	1280.8	1284.5	1306.8	1336.7	1351.6	1374.4	1420.2	1454.4	1457.8
160°	1272.5	1284.0	1295.5	1298.3	1316.1	1339.7	1351.6	1371.1	1410.4	1439.8	1441.8
162.5°	1293.7	1302.3	1310.8	1313.0	1325.8	1343.0	1351.6	1368.1	1401.2	1426.0	1427.9
165°	1316.7	1324.4	1332.1	1334.1	1339.9	1347.7	1351.6	1363.4	1387.1	1404.8	1406.8
167.5°	1337.8	1341.4	1345.2	1346.1	1351.0	1357.5	1360.8	1368.5	1384.0	1395.6	1396.4
170°	1351.6	1355.2	1359.0	1359.9	1360.2	1360.6	1360.8	1368.5	1384.0	1395.6	1395.6
172.5°	1358.9	1359.7	1360.6	1360.8	1360.8	1360.8	1360.8	1366.9	1379.1	1388.3	1387.6
175°	1369.1	1369.1	1369.1	1369.1	1366.3	1362.6	1360.8	1364.6	1372.4	1378.3	1378.3
177.5°	1369.1	1369.1	1369.1	1369.1	1366.9	1364.0	1362.6	1365.7	1371.8	1376.4	1375.6
180°	1369.1	1369.1	1369.1	1369.1	1369.1	1369.1	1369.1	1369.1	1369.1	1369.1	1369.1



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2101.1	2101.1	2101.1	2101.1	2101.1	2101.1	2101.1	2101.1	2101.1	2101.1	2101.1
2.5°	2154.8	2148.8	2154.8	2150.8	2152.8	2146.8	2128.9	2123.0	2128.9	2134.9	2134.9
5°	2180.6	2176.7	2180.6	2180.6	2178.6	2174.7	2154.8	2150.8	2154.8	2156.8	2152.8
7.5°	2188.6	2182.6	2188.6	2184.6	2184.6	2180.6	2160.8	2156.8	2158.8	2164.7	2158.8
10°	2188.6	2182.6	2188.6	2186.6	2184.6	2180.6	2160.8	2152.8	2152.8	2158.8	2152.8
12.5°	2178.6	2174.7	2178.6	2174.7	2174.7	2170.7	2150.8	2142.9	2144.8	2146.8	2138.9
15°	2162.7	2156.8	2162.7	2158.8	2160.8	2154.8	2132.9	2125.0	2125.0	2128.9	2115.0
17.5°	2138.9	2130.9	2138.9	2136.9	2134.9	2130.9	2111.1	2103.2	2101.1	2103.2	2093.2
20°	2111.1	2105.1	2111.1	2109.1	2109.1	2101.1	2081.2	2071.3	2071.3	2071.3	2061.4
22.5°	2067.3	2061.4	2067.3	2071.3	2071.3	2069.3	2051.4	2037.6	2033.5	2033.5	2021.6
25°	2017.6	2011.7	2017.6	2017.6	2015.6	2017.6	2011.7	2003.8	1997.7	1991.8	1979.9
27.5°	1969.9	1965.9	1969.9	1965.9	1969.9	1963.9	1962.0	1960.0	1952.0	1946.1	1930.2
30°	1922.3	1918.2	1922.3	1918.2	1914.2	1910.3	1900.3	1896.4	1904.4	1900.3	1874.5
32.5°	1862.6	1858.6	1862.6	1862.6	1858.6	1858.6	1842.7	1836.7	1838.8	1850.6	1826.8
35°	1800.9	1795.0	1800.9	1799.0	1800.9	1795.0	1785.0	1783.0	1775.1	1789.1	1771.2
37.5°	1729.4	1723.5	1729.4	1729.4	1729.4	1733.3	1725.4	1719.4	1707.6	1725.4	1711.5
40°	1655.9	1647.9	1655.9	1653.8	1655.9	1659.8	1655.9	1651.8	1640.0	1653.8	1642.0
42.5°	1572.4	1570.3	1572.4	1574.4	1574.4	1582.3	1588.3	1580.3	1576.4	1566.4	1574.4
45°	1482.9	1478.9	1482.9	1486.8	1488.9	1492.9	1510.8	1510.8	1504.8	1488.9	1500.8
47.5°	1387.4	1377.6	1387.4	1399.4	1399.4	1405.4	1423.3	1437.1	1427.3	1407.4	1413.3
50°	1286.1	1288.1	1286.1	1294.1	1294.1	1315.9	1329.8	1343.8	1353.7	1329.8	1302.0
52.5°	1186.7	1184.7	1186.7	1192.7	1200.6	1210.6	1234.4	1248.3	1264.2	1250.3	1206.6
55°	1087.3	1091.3	1087.3	1089.4	1093.3	1099.2	1135.0	1148.9	1178.8	1160.9	1115.2
57.5°	987.9	982.0	987.9	992.0	993.9	999.9	1029.7	1055.5	1073.5	1075.4	1019.7
60°	872.6	864.7	872.6	890.6	894.5	898.5	926.3	950.2	966.1	972.0	914.4
62.5°	771.2	757.4	771.2	783.2	791.2	801.1	820.9	856.8	870.6	872.6	791.2
65°	663.9	658.0	663.9	687.7	689.7	701.7	723.6	749.4	779.2	775.3	658.0
67.5°	566.5	566.5	566.5	582.4	594.4	600.3	628.2	640.1	677.9	681.8	548.6
70°	477.1	475.1	477.1	489.0	497.0	510.9	536.7	550.6	580.4	590.4	445.3
72.5°	391.6	389.6	391.6	401.5	409.5	421.4	443.3	459.2	485.0	497.0	345.9
75°	316.1	312.1	316.1	324.0	322.0	337.9	355.8	371.7	395.6	403.5	256.4
77.5°	242.6	242.6	242.6	250.5	250.5	266.4	274.4	294.2	308.2	320.0	188.8
80°	180.9	178.9	180.9	182.9	182.9	190.8	204.7	218.6	230.6	230.6	129.2
82.5°	127.3	123.2	127.3	127.3	127.3	131.2	139.1	143.2	151.1	157.0	81.5
85°	79.5	79.5	79.5	81.5	79.5	83.5	85.5	89.4	89.4	85.5	49.7
87.5°	51.7	49.7	51.7	49.7	49.7	47.7	47.7	47.7	45.7	43.8	27.9
90°	34.9	34.9	34.9	34.9	34.9	46.5	62.0	69.9	60.1	40.4	25.7
92.5°	139.9	112.1	139.9	167.7	174.6	247.5	344.6	393.2	345.2	249.3	177.3
95°	487.5	403.4	487.5	571.6	592.6	778.2	1025.7	1149.4	970.8	613.4	345.5
97.5°	1168.0	1008.0	1168.0	1328.1	1368.1	1485.4	1641.8	1720.0	1422.1	826.4	379.5
100°	1682.9	1492.2	1682.9	1873.5	1921.3	1912.7	1901.2	1895.5	1564.9	903.8	407.9
102.5°	2189.3	2026.0	2189.3	2352.7	2393.5	2244.0	2044.8	1945.2	1609.8	939.3	436.4
105°	2835.1	2747.2	2835.1	2922.9	2944.8	2609.8	2163.0	1939.6	1615.0	965.7	478.7
107.5°	3258.0	3279.3	3258.0	3236.8	3231.5	2764.1	2141.0	1829.4	1543.2	970.6	541.2
110°	3419.3	3510.8	3419.3	3327.8	3305.0	2782.5	2085.9	1737.5	1479.4	963.2	576.1



TEST NUMBER: P934617

CATALOG NUMBER: SQ4-FA-075U-050D-840-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3433.7	3574.2	3433.7	3293.2	3258.1	2723.4	2010.4	1653.9	1423.8	963.6	618.4
115°	3342.6	3537.4	3342.6	3147.9	3099.2	2584.0	1897.2	1553.7	1360.0	972.4	681.7
117.5°	3149.5	3365.6	3149.5	2933.6	2879.5	2414.6	1794.7	1484.8	1320.0	990.5	743.3
120°	2994.0	3203.9	2994.0	2784.1	2731.6	2306.8	1740.4	1457.2	1306.5	1005.2	779.1
122.5°	2842.5	3049.6	2842.5	2635.5	2583.7	2201.2	1691.1	1436.1	1299.5	1026.3	821.4
125°	2626.4	2817.1	2626.4	2435.7	2388.0	2063.0	1629.8	1413.1	1293.7	1054.8	875.7
127.5°	2432.1	2592.9	2432.1	2271.1	2230.9	1951.9	1579.9	1393.9	1290.3	1083.3	928.0
130°	2317.5	2466.1	2317.5	2168.8	2131.6	1883.2	1552.0	1386.5	1292.3	1104.1	962.9
132.5°	2213.5	2346.7	2213.5	2080.4	2047.1	1824.7	1528.2	1380.0	1293.7	1120.9	991.4
135°	2071.1	2185.9	2071.1	1956.3	1927.7	1741.4	1493.2	1369.1	1292.5	1139.4	1024.5
137.5°	1956.8	2050.8	1956.8	1863.0	1839.5	1682.1	1472.1	1367.2	1300.4	1166.9	1066.7
140°	1878.5	1966.2	1878.5	1790.7	1768.7	1632.8	1451.5	1360.8	1301.8	1183.7	1095.2
142.5°	1813.6	1889.1	1813.6	1738.0	1719.1	1599.7	1440.4	1360.8	1306.4	1197.9	1116.3
145°	1716.2	1773.3	1716.2	1659.0	1644.7	1547.0	1416.7	1351.6	1306.4	1216.2	1148.6
147.5°	1641.4	1688.8	1641.4	1594.0	1582.2	1505.3	1402.9	1351.6	1315.4	1243.2	1189.0
150°	1594.3	1632.8	1594.3	1555.9	1546.3	1481.4	1394.9	1351.6	1320.2	1257.2	1210.1
152.5°	1554.1	1583.1	1554.1	1525.1	1517.9	1462.4	1388.5	1351.6	1323.2	1266.4	1223.8
155°	1507.9	1527.1	1507.9	1488.7	1483.9	1439.8	1381.0	1351.6	1329.9	1286.7	1254.2
157.5°	1471.3	1484.8	1471.3	1457.8	1454.4	1420.2	1374.4	1351.6	1336.7	1306.8	1284.5
160°	1449.5	1457.2	1449.5	1441.8	1439.8	1410.4	1371.1	1351.6	1339.7	1316.1	1298.3
162.5°	1435.2	1442.6	1435.2	1427.9	1426.0	1401.2	1368.1	1351.6	1343.0	1325.8	1313.0
165°	1414.5	1422.3	1414.5	1406.8	1404.8	1387.1	1363.4	1351.6	1347.7	1339.9	1334.1
167.5°	1399.8	1403.1	1399.8	1396.4	1395.6	1384.0	1368.5	1360.8	1357.5	1351.0	1346.1
170°	1395.6	1395.6	1395.6	1395.6	1395.6	1384.0	1368.5	1360.8	1360.6	1360.2	1359.9
172.5°	1384.8	1381.9	1384.8	1387.6	1388.3	1379.1	1366.9	1360.8	1360.8	1360.8	1360.8
175°	1378.3	1378.3	1378.3	1378.3	1378.3	1372.4	1364.6	1360.8	1362.6	1366.3	1369.1
177.5°	1372.3	1369.1	1372.3	1375.6	1376.4	1371.8	1365.7	1362.6	1364.0	1366.9	1369.1
180°	1369.1	1369.1	1369.1	1369.1	1369.1	1369.1	1369.1	1369.1	1369.1	1369.1	1369.1



TEST NUMBER: P934617

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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2101.1	2101.1	2101.1	2101.1	2101.1	2101.1	2101.1	2101.1	2101.1	2101.1	2101.1
2.5°	2130.9	2119.0	2119.0	2099.1	2091.2	2085.2	2075.3	2045.5	2037.6	2029.5	2041.5
5°	2148.8	2127.0	2111.1	2075.3	2045.5	2033.5	1995.8	1924.2	1876.5	1840.7	1820.9
7.5°	2152.8	2125.0	2095.2	2039.5	1967.9	1936.1	1820.9	1689.7	1653.8	1622.1	1602.1
10°	2148.8	2117.0	2075.3	1991.8	1822.9	1767.1	1651.8	1566.4	1544.5	1538.6	1544.5
12.5°	2134.9	2105.1	2047.4	1908.3	1671.8	1634.0	1566.4	1516.7	1512.7	1522.7	1576.4
15°	2111.1	2083.2	2015.6	1797.0	1588.3	1560.4	1512.7	1494.8	1516.7	1586.2	1747.3
17.5°	2087.2	2055.4	1971.9	1687.7	1524.7	1504.8	1470.9	1506.8	1630.0	1723.5	1777.1
20°	2055.4	2017.6	1922.3	1608.2	1478.9	1461.1	1445.1	1606.2	1699.6	1733.3	1763.2
22.5°	2017.6	1977.9	1854.7	1552.4	1431.2	1417.3	1427.3	1661.8	1699.6	1723.5	1749.3
25°	1967.9	1934.1	1775.1	1508.8	1393.5	1377.6	1415.3	1655.9	1677.7	1683.7	1735.3
27.5°	1922.3	1878.5	1691.7	1469.0	1347.7	1341.8	1425.3	1630.0	1645.9	1651.8	1707.6
30°	1866.5	1800.9	1598.2	1427.3	1300.0	1298.0	1427.3	1598.2	1594.2	1610.1	1665.8
32.5°	1808.9	1685.6	1492.9	1375.6	1254.3	1252.3	1413.3	1550.5	1546.5	1568.4	1610.1
35°	1755.3	1596.2	1349.7	1315.9	1196.7	1198.6	1379.5	1494.8	1496.8	1516.7	1542.6
37.5°	1699.6	1518.7	1192.7	1250.3	1141.0	1141.0	1333.8	1443.2	1439.2	1445.1	1480.9
40°	1634.0	1397.4	1053.5	1164.9	1089.4	1083.3	1278.2	1387.4	1373.6	1371.6	1421.2
42.5°	1564.4	1264.2	950.2	1051.5	1029.7	1021.7	1210.6	1319.9	1294.1	1300.0	1363.6
45°	1488.9	1228.5	870.6	888.5	968.0	962.1	1137.0	1242.4	1224.5	1240.4	1306.0
47.5°	1413.3	1156.9	844.8	737.4	902.4	900.5	1055.5	1166.8	1156.9	1172.9	1242.4
50°	1310.0	1077.4	842.9	632.1	828.9	836.8	958.2	1093.3	1093.3	1107.3	1180.8
52.5°	1176.8	980.0	765.3	572.4	743.5	767.3	872.6	1029.7	1033.6	1047.6	1113.2
55°	1055.5	878.6	709.7	526.8	642.1	693.8	789.1	964.1	972.0	985.9	1045.6
57.5°	944.2	731.5	697.7	473.1	548.6	598.3	715.6	900.5	904.4	916.4	974.1
60°	825.0	528.8	640.1	415.5	467.1	504.9	648.0	825.0	838.8	846.8	896.5
62.5°	689.7	383.6	580.4	375.7	427.4	435.3	592.4	753.4	771.2	777.3	807.1
65°	491.0	322.0	493.0	341.9	385.6	387.6	532.7	679.8	695.7	705.6	727.6
67.5°	332.0	262.4	375.7	310.1	353.8	355.8	475.1	594.4	616.2	624.2	638.1
70°	230.6	175.0	278.3	276.3	318.0	322.0	413.5	516.8	536.7	542.7	550.6
72.5°	168.9	141.1	230.6	248.5	280.3	284.2	349.9	429.4	449.2	455.2	459.2
75°	129.2	149.1	186.8	216.7	238.5	240.5	286.2	349.9	363.8	367.7	369.7
77.5°	103.3	139.1	137.1	175.0	194.8	190.8	224.7	270.3	282.3	282.3	282.3
80°	77.6	109.4	103.3	125.3	143.2	139.1	161.0	192.9	196.8	200.8	198.8
82.5°	57.6	69.6	69.6	79.5	95.4	91.5	107.3	125.3	125.3	125.3	129.2
85°	35.8	39.7	31.8	41.8	53.6	51.7	59.7	67.6	69.6	69.6	65.6
87.5°	21.8	17.9	10.0	15.9	23.8	23.8	27.9	29.8	27.9	27.9	27.9
90°	23.8	16.5	9.2	16.5	23.8	25.7	40.4	60.1	69.9	62.0	46.5
92.5°	161.7	99.2	36.8	99.2	161.7	177.3	249.3	345.2	393.2	344.6	247.5
95°	317.0	202.5	88.2	202.5	317.0	345.5	613.4	970.8	1149.4	1025.7	778.2
97.5°	354.3	253.4	152.5	253.4	354.3	379.5	826.4	1422.1	1720.0	1641.8	1485.4
100°	385.1	293.6	202.1	293.6	385.1	407.9	903.8	1564.9	1895.5	1901.2	1912.7
102.5°	415.1	329.8	244.4	329.8	415.1	436.4	939.3	1609.8	1945.2	2044.8	2244.0
105°	460.6	388.4	316.1	388.4	460.6	478.7	965.7	1615.0	1939.6	2163.0	2609.8
107.5°	524.3	457.0	389.6	457.0	524.3	541.2	970.6	1543.2	1829.4	2141.0	2764.1
110°	560.9	500.0	439.2	500.0	560.9	576.1	963.2	1479.4	1737.5	2085.9	2782.5



TEST NUMBER: P934617

CATALOG NUMBER: SQ4-FA-075U-050D-840-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	603.9	545.9	487.9	545.9	603.9	618.4	963.6	1423.8	1653.9	2010.4	2723.4
115°	668.4	614.8	561.4	614.8	668.4	681.7	972.4	1360.0	1553.7	1897.2	2584.0
117.5°	731.1	682.6	634.0	682.6	731.1	743.3	990.5	1320.0	1484.8	1794.7	2414.6
120°	767.7	722.0	676.3	722.0	767.7	779.1	1005.2	1306.5	1457.2	1740.4	2306.8
122.5°	809.9	763.7	717.6	763.7	809.9	821.4	1026.3	1299.5	1436.1	1691.1	2201.2
125°	865.2	823.1	781.0	823.1	865.2	875.7	1054.8	1293.7	1413.1	1629.8	2063.0
127.5°	917.5	875.0	832.5	875.0	917.5	928.0	1083.3	1290.3	1393.9	1579.9	1951.9
130°	951.4	905.8	860.1	905.8	951.4	962.9	1104.1	1292.3	1386.5	1552.0	1883.2
132.5°	979.9	934.3	888.5	934.3	979.9	991.4	1120.9	1293.7	1380.0	1528.2	1824.7
135°	1014.1	972.4	930.8	972.4	1014.1	1024.5	1139.4	1292.5	1369.1	1493.2	1741.4
137.5°	1056.5	1015.2	974.0	1015.2	1056.5	1066.7	1166.9	1300.4	1367.2	1472.1	1682.1
140°	1085.7	1047.7	1009.7	1047.7	1085.7	1095.2	1183.7	1301.8	1360.8	1451.5	1632.8
142.5°	1107.5	1072.5	1037.3	1072.5	1107.5	1116.3	1197.9	1306.4	1360.8	1440.4	1599.7
145°	1140.8	1110.2	1079.6	1110.2	1140.8	1148.6	1216.2	1306.4	1351.6	1416.7	1547.0
147.5°	1181.5	1151.7	1121.9	1151.7	1181.5	1189.0	1243.2	1315.4	1351.6	1402.9	1505.3
150°	1203.4	1176.4	1149.4	1176.4	1203.4	1210.1	1257.2	1320.2	1351.6	1394.9	1481.4
152.5°	1218.7	1198.3	1177.9	1198.3	1218.7	1223.8	1266.4	1323.2	1351.6	1388.5	1462.4
155°	1250.4	1235.3	1220.2	1235.3	1250.4	1254.2	1286.7	1329.9	1351.6	1381.0	1439.8
157.5°	1280.8	1266.1	1251.4	1266.1	1280.8	1284.5	1306.8	1336.7	1351.6	1374.4	1420.2
160°	1295.5	1284.0	1272.5	1284.0	1295.5	1298.3	1316.1	1339.7	1351.6	1371.1	1410.4
162.5°	1310.8	1302.3	1293.7	1302.3	1310.8	1313.0	1325.8	1343.0	1351.6	1368.1	1401.2
165°	1332.1	1324.4	1316.7	1324.4	1332.1	1334.1	1339.9	1347.7	1351.6	1363.4	1387.1
167.5°	1345.2	1341.4	1337.8	1341.4	1345.2	1346.1	1351.0	1357.5	1360.8	1368.5	1384.0
170°	1359.0	1355.2	1351.6	1355.2	1359.0	1359.9	1360.2	1360.6	1360.8	1368.5	1384.0
172.5°	1360.6	1359.7	1358.9	1359.7	1360.6	1360.8	1360.8	1360.8	1360.8	1366.9	1379.1
175°	1369.1	1369.1	1369.1	1369.1	1369.1	1369.1	1366.3	1362.6	1360.8	1364.6	1372.4
177.5°	1369.1	1369.1	1369.1	1369.1	1369.1	1369.1	1366.9	1364.0	1362.6	1365.7	1371.8
180°	1369.1	1369.1	1369.1	1369.1	1369.1	1369.1	1369.1	1369.1	1369.1	1369.1	1369.1



TEST NUMBER: P934617

CATALOG NUMBER: SQ4-FA-075U-050D-840-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2101.1	2101.1	2101.1	2101.1	2101.1	2101.1	2101.1	2101.1	2101.1	2101.1	2101.1
2.5°	2027.6	2021.6	2029.5	2007.7	2029.5	2021.6	2027.6	2041.5	2029.5	2037.6	2045.5
5°	1779.1	1769.1	1737.4	1711.5	1737.4	1769.1	1779.1	1820.9	1840.7	1876.5	1924.2
7.5°	1590.3	1582.3	1574.4	1558.5	1574.4	1582.3	1590.3	1602.1	1622.1	1653.8	1689.7
10°	1548.5	1550.5	1562.4	1560.4	1562.4	1550.5	1548.5	1544.5	1538.6	1544.5	1566.4
12.5°	1655.9	1673.8	1739.4	1735.3	1739.4	1673.8	1655.9	1576.4	1522.7	1512.7	1516.7
15°	1779.1	1785.0	1799.0	1800.9	1799.0	1785.0	1779.1	1747.3	1586.2	1516.7	1494.8
17.5°	1791.0	1793.0	1802.9	1802.9	1802.9	1793.0	1791.0	1777.1	1723.5	1630.0	1506.8
20°	1781.1	1785.0	1805.0	1808.9	1805.0	1785.0	1781.1	1763.2	1733.3	1699.6	1606.2
22.5°	1777.1	1785.0	1800.9	1799.0	1800.9	1785.0	1777.1	1749.3	1723.5	1699.6	1661.8
25°	1757.3	1757.3	1759.2	1761.2	1759.2	1757.3	1757.3	1735.3	1683.7	1677.7	1655.9
27.5°	1715.5	1719.4	1731.4	1729.4	1731.4	1719.4	1715.5	1707.6	1651.8	1645.9	1630.0
30°	1677.7	1673.8	1663.8	1655.9	1663.8	1673.8	1677.7	1665.8	1610.1	1594.2	1598.2
32.5°	1614.1	1604.1	1594.2	1588.3	1594.2	1604.1	1614.1	1610.1	1568.4	1546.5	1550.5
35°	1538.6	1540.6	1538.6	1532.6	1538.6	1540.6	1538.6	1542.6	1516.7	1496.8	1494.8
37.5°	1484.9	1488.9	1486.8	1478.9	1486.8	1488.9	1484.9	1480.9	1445.1	1439.2	1443.2
40°	1429.2	1431.2	1429.2	1423.3	1429.2	1431.2	1429.2	1421.2	1371.6	1373.6	1387.4
42.5°	1375.6	1373.6	1367.6	1363.6	1367.6	1373.6	1375.6	1363.6	1300.0	1294.1	1319.9
45°	1313.9	1315.9	1304.0	1298.0	1304.0	1315.9	1313.9	1306.0	1240.4	1224.5	1242.4
47.5°	1252.3	1252.3	1242.4	1236.4	1242.4	1252.3	1252.3	1242.4	1172.9	1156.9	1166.8
50°	1186.7	1184.7	1170.8	1168.8	1170.8	1184.7	1186.7	1180.8	1107.3	1093.3	1093.3
52.5°	1111.2	1111.2	1113.2	1117.1	1113.2	1111.2	1111.2	1113.2	1047.6	1033.6	1029.7
55°	1045.6	1047.6	1061.5	1065.5	1061.5	1047.6	1045.6	1045.6	985.9	972.0	964.1
57.5°	978.0	978.0	987.9	987.9	987.9	978.0	978.0	974.1	916.4	904.4	900.5
60°	900.5	904.4	912.4	910.4	912.4	904.4	900.5	896.5	846.8	838.8	825.0
62.5°	819.0	823.0	825.0	820.9	825.0	823.0	819.0	807.1	777.3	771.2	753.4
65°	733.5	737.4	739.4	735.5	739.4	737.4	733.5	727.6	705.6	695.7	679.8
67.5°	646.1	644.1	642.1	650.0	642.1	644.1	646.1	638.1	624.2	616.2	594.4
70°	556.5	556.5	554.6	558.6	554.6	556.5	556.5	550.6	542.7	536.7	516.8
72.5°	461.2	459.2	467.1	461.2	467.1	459.2	461.2	459.2	455.2	449.2	429.4
75°	367.7	371.7	367.7	373.7	367.7	371.7	367.7	369.7	367.7	363.8	349.9
77.5°	280.3	284.2	280.3	280.3	280.3	284.2	280.3	282.3	282.3	282.3	270.3
80°	198.8	196.8	196.8	194.8	196.8	196.8	198.8	198.8	200.8	196.8	192.9
82.5°	127.3	125.3	125.3	129.2	125.3	125.3	127.3	129.2	125.3	125.3	125.3
85°	69.6	71.5	67.6	67.6	67.6	71.5	69.6	65.6	69.6	69.6	67.6
87.5°	25.9	23.8	23.8	23.8	23.8	23.8	25.9	27.9	27.9	27.9	29.8
90°	34.9	34.9	34.9	34.9	34.9	34.9	34.9	46.5	62.0	69.9	60.1
92.5°	174.6	167.7	139.9	112.1	139.9	167.7	174.6	247.5	344.6	393.2	345.2
95°	592.6	571.6	487.5	403.4	487.5	571.6	592.6	778.2	1025.7	1149.4	970.8
97.5°	1368.1	1328.1	1168.0	1008.0	1168.0	1328.1	1368.1	1485.4	1641.8	1720.0	1422.1
100°	1921.3	1873.5	1682.9	1492.2	1682.9	1873.5	1921.3	1912.7	1901.2	1895.5	1564.9
102.5°	2393.5	2352.7	2189.3	2026.0	2189.3	2352.7	2393.5	2244.0	2044.8	1945.2	1609.8
105°	2944.8	2922.9	2835.1	2747.2	2835.1	2922.9	2944.8	2609.8	2163.0	1939.6	1615.0
107.5°	3231.5	3236.8	3258.0	3279.3	3258.0	3236.8	3231.5	2764.1	2141.0	1829.4	1543.2
110°	3305.0	3327.8	3419.3	3510.8	3419.3	3327.8	3305.0	2782.5	2085.9	1737.5	1479.4



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3258.1	3293.2	3433.7	3574.2	3433.7	3293.2	3258.1	2723.4	2010.4	1653.9	1423.8
115°	3099.2	3147.9	3342.6	3537.4	3342.6	3147.9	3099.2	2584.0	1897.2	1553.7	1360.0
117.5°	2879.5	2933.6	3149.5	3365.6	3149.5	2933.6	2879.5	2414.6	1794.7	1484.8	1320.0
120°	2731.6	2784.1	2994.0	3203.9	2994.0	2784.1	2731.6	2306.8	1740.4	1457.2	1306.5
122.5°	2583.7	2635.5	2842.5	3049.6	2842.5	2635.5	2583.7	2201.2	1691.1	1436.1	1299.5
125°	2388.0	2435.7	2626.4	2817.1	2626.4	2435.7	2388.0	2063.0	1629.8	1413.1	1293.7
127.5°	2230.9	2271.1	2432.1	2592.9	2432.1	2271.1	2230.9	1951.9	1579.9	1393.9	1290.3
130°	2131.6	2168.8	2317.5	2466.1	2317.5	2168.8	2131.6	1883.2	1552.0	1386.5	1292.3
132.5°	2047.1	2080.4	2213.5	2346.7	2213.5	2080.4	2047.1	1824.7	1528.2	1380.0	1293.7
135°	1927.7	1956.3	2071.1	2185.9	2071.1	1956.3	1927.7	1741.4	1493.2	1369.1	1292.5
137.5°	1839.5	1863.0	1956.8	2050.8	1956.8	1863.0	1839.5	1682.1	1472.1	1367.2	1300.4
140°	1768.7	1790.7	1878.5	1966.2	1878.5	1790.7	1768.7	1632.8	1451.5	1360.8	1301.8
142.5°	1719.1	1738.0	1813.6	1889.1	1813.6	1738.0	1719.1	1599.7	1440.4	1360.8	1306.4
145°	1644.7	1659.0	1716.2	1773.3	1716.2	1659.0	1644.7	1547.0	1416.7	1351.6	1306.4
147.5°	1582.2	1594.0	1641.4	1688.8	1641.4	1594.0	1582.2	1505.3	1402.9	1351.6	1315.4
150°	1546.3	1555.9	1594.3	1632.8	1594.3	1555.9	1546.3	1481.4	1394.9	1351.6	1320.2
152.5°	1517.9	1525.1	1554.1	1583.1	1554.1	1525.1	1517.9	1462.4	1388.5	1351.6	1323.2
155°	1483.9	1488.7	1507.9	1527.1	1507.9	1488.7	1483.9	1439.8	1381.0	1351.6	1329.9
157.5°	1454.4	1457.8	1471.3	1484.8	1471.3	1457.8	1454.4	1420.2	1374.4	1351.6	1336.7
160°	1439.8	1441.8	1449.5	1457.2	1449.5	1441.8	1439.8	1410.4	1371.1	1351.6	1339.7
162.5°	1426.0	1427.9	1435.2	1442.6	1435.2	1427.9	1426.0	1401.2	1368.1	1351.6	1343.0
165°	1404.8	1406.8	1414.5	1422.3	1414.5	1406.8	1404.8	1387.1	1363.4	1351.6	1347.7
167.5°	1395.6	1396.4	1399.8	1403.1	1399.8	1396.4	1395.6	1384.0	1368.5	1360.8	1357.5
170°	1395.6	1395.6	1395.6	1395.6	1395.6	1395.6	1395.6	1384.0	1368.5	1360.8	1360.6
172.5°	1388.3	1387.6	1384.8	1381.9	1384.8	1387.6	1388.3	1379.1	1366.9	1360.8	1360.8
175°	1378.3	1378.3	1378.3	1378.3	1378.3	1378.3	1378.3	1372.4	1364.6	1360.8	1362.6
177.5°	1376.4	1375.6	1372.3	1369.1	1372.3	1375.6	1376.4	1371.8	1365.7	1362.6	1364.0
180°	1369.1	1369.1	1369.1	1369.1	1369.1	1369.1	1369.1	1369.1	1369.1	1369.1	1369.1



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	2101.1	2101.1	2101.1	2101.1	2101.1
2.5°	2075.3	2085.2	2091.2	2099.1	2119.0
5°	1995.8	2033.5	2045.5	2075.3	2111.1
7.5°	1820.9	1936.1	1967.9	2039.5	2095.2
10°	1651.8	1767.1	1822.9	1991.8	2075.3
12.5°	1566.4	1634.0	1671.8	1908.3	2047.4
15°	1512.7	1560.4	1588.3	1797.0	2015.6
17.5°	1470.9	1504.8	1524.7	1687.7	1971.9
20°	1445.1	1461.1	1478.9	1608.2	1922.3
22.5°	1427.3	1417.3	1431.2	1552.4	1854.7
25°	1415.3	1377.6	1393.5	1508.8	1775.1
27.5°	1425.3	1341.8	1347.7	1469.0	1691.7
30°	1427.3	1298.0	1300.0	1427.3	1598.2
32.5°	1413.3	1252.3	1254.3	1375.6	1492.9
35°	1379.5	1198.6	1196.7	1315.9	1349.7
37.5°	1333.8	1141.0	1141.0	1250.3	1192.7
40°	1278.2	1083.3	1089.4	1164.9	1053.5
42.5°	1210.6	1021.7	1029.7	1051.5	950.2
45°	1137.0	962.1	968.0	888.5	870.6
47.5°	1055.5	900.5	902.4	737.4	844.8
50°	958.2	836.8	828.9	632.1	842.9
52.5°	872.6	767.3	743.5	572.4	765.3
55°	789.1	693.8	642.1	526.8	709.7
57.5°	715.6	598.3	548.6	473.1	697.7
60°	648.0	504.9	467.1	415.5	640.1
62.5°	592.4	435.3	427.4	375.7	580.4
65°	532.7	387.6	385.6	341.9	493.0
67.5°	475.1	355.8	353.8	310.1	375.7
70°	413.5	322.0	318.0	276.3	278.3
72.5°	349.9	284.2	280.3	248.5	230.6
75°	286.2	240.5	238.5	216.7	186.8
77.5°	224.7	190.8	194.8	175.0	137.1
80°	161.0	139.1	143.2	125.3	103.3
82.5°	107.3	91.5	95.4	79.5	69.6
85°	59.7	51.7	53.6	41.8	31.8
87.5°	27.9	23.8	23.8	15.9	10.0
90°	40.4	25.7	23.8	16.5	9.2
92.5°	249.3	177.3	161.7	99.2	36.8
95°	613.4	345.5	317.0	202.5	88.2
97.5°	826.4	379.5	354.3	253.4	152.5
100°	903.8	407.9	385.1	293.6	202.1
102.5°	939.3	436.4	415.1	329.8	244.4
105°	965.7	478.7	460.6	388.4	316.1
107.5°	970.6	541.2	524.3	457.0	389.6
110°	963.2	576.1	560.9	500.0	439.2



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CATALOG NUMBER: SQ4-FA-075U-050D-840-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	963.6	618.4	603.9	545.9	487.9
115°	972.4	681.7	668.4	614.8	561.4
117.5°	990.5	743.3	731.1	682.6	634.0
120°	1005.2	779.1	767.7	722.0	676.3
122.5°	1026.3	821.4	809.9	763.7	717.6
125°	1054.8	875.7	865.2	823.1	781.0
127.5°	1083.3	928.0	917.5	875.0	832.5
130°	1104.1	962.9	951.4	905.8	860.1
132.5°	1120.9	991.4	979.9	934.3	888.5
135°	1139.4	1024.5	1014.1	972.4	930.8
137.5°	1166.9	1066.7	1056.5	1015.2	974.0
140°	1183.7	1095.2	1085.7	1047.7	1009.7
142.5°	1197.9	1116.3	1107.5	1072.5	1037.3
145°	1216.2	1148.6	1140.8	1110.2	1079.6
147.5°	1243.2	1189.0	1181.5	1151.7	1121.9
150°	1257.2	1210.1	1203.4	1176.4	1149.4
152.5°	1266.4	1223.8	1218.7	1198.3	1177.9
155°	1286.7	1254.2	1250.4	1235.3	1220.2
157.5°	1306.8	1284.5	1280.8	1266.1	1251.4
160°	1316.1	1298.3	1295.5	1284.0	1272.5
162.5°	1325.8	1313.0	1310.8	1302.3	1293.7
165°	1339.9	1334.1	1332.1	1324.4	1316.7
167.5°	1351.0	1346.1	1345.2	1341.4	1337.8
170°	1360.2	1359.9	1359.0	1355.2	1351.6
172.5°	1360.8	1360.8	1360.6	1359.7	1358.9
175°	1366.3	1369.1	1369.1	1369.1	1369.1
177.5°	1366.9	1369.1	1369.1	1369.1	1369.1
180°	1369.1	1369.1	1369.1	1369.1	1369.1



TEST NUMBER: P934617
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CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	10.10	10.86	11.15	11.92	13.35	12.95	13.71	14.00	14.77	16.20
	3H	10.57	11.25	11.63	12.32	13.77	14.29	14.98	15.36	16.04	17.50
	4H	10.75	11.40	11.83	12.47	13.93	14.74	15.39	15.81	16.45	17.91
	6H	10.87	11.46	11.95	12.54	14.01	15.02	15.62	16.11	16.69	18.16
	8H	10.87	11.43	11.95	12.52	13.98	15.10	15.67	16.19	16.75	18.22
	12H	10.83	11.37	11.93	12.45	13.94	15.14	15.68	16.23	16.76	18.24
4H	2H	11.12	11.77	12.20	12.84	14.30	13.35	13.99	14.43	15.06	16.52
	3H	12.14	12.68	13.23	13.78	15.25	14.85	15.39	15.94	16.48	17.95
	4H	12.41	12.91	13.51	13.99	15.49	15.38	15.87	16.47	16.96	18.45
	6H	12.53	12.96	13.63	14.07	15.55	15.74	16.17	16.84	17.28	18.76
	8H	12.54	12.93	13.64	14.03	15.53	15.85	16.25	16.95	17.35	18.85
	12H	12.50	12.86	13.62	13.97	15.48	15.91	16.27	17.03	17.38	18.88
8H	4H	12.86	13.26	13.96	14.36	15.86	15.49	15.89	16.60	16.99	18.49
	6H	13.12	13.45	14.24	14.59	16.09	15.93	16.26	17.06	17.40	18.90
	8H	13.16	13.45	14.29	14.57	16.09	16.09	16.37	17.22	17.50	19.01
	12H	13.14	13.39	14.28	14.51	16.07	16.18	16.44	17.32	17.56	19.11
12H	4H	12.86	13.22	13.98	14.34	15.84	15.45	15.81	16.57	16.93	18.43
	6H	13.18	13.47	14.31	14.59	16.11	15.93	16.21	17.06	17.34	18.86
	8H	13.24	13.50	14.38	14.62	16.17	16.09	16.34	17.22	17.46	19.01