

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: P934951

Luminaire Tested: SQ4-FA-075U-125D-930-1D-UNV-STD-W-6

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934951
REPORT IS A COMBINATION OF REPORTS P933719 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-075U-125D-930-1D-UNV-STD-W-6
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

Summary

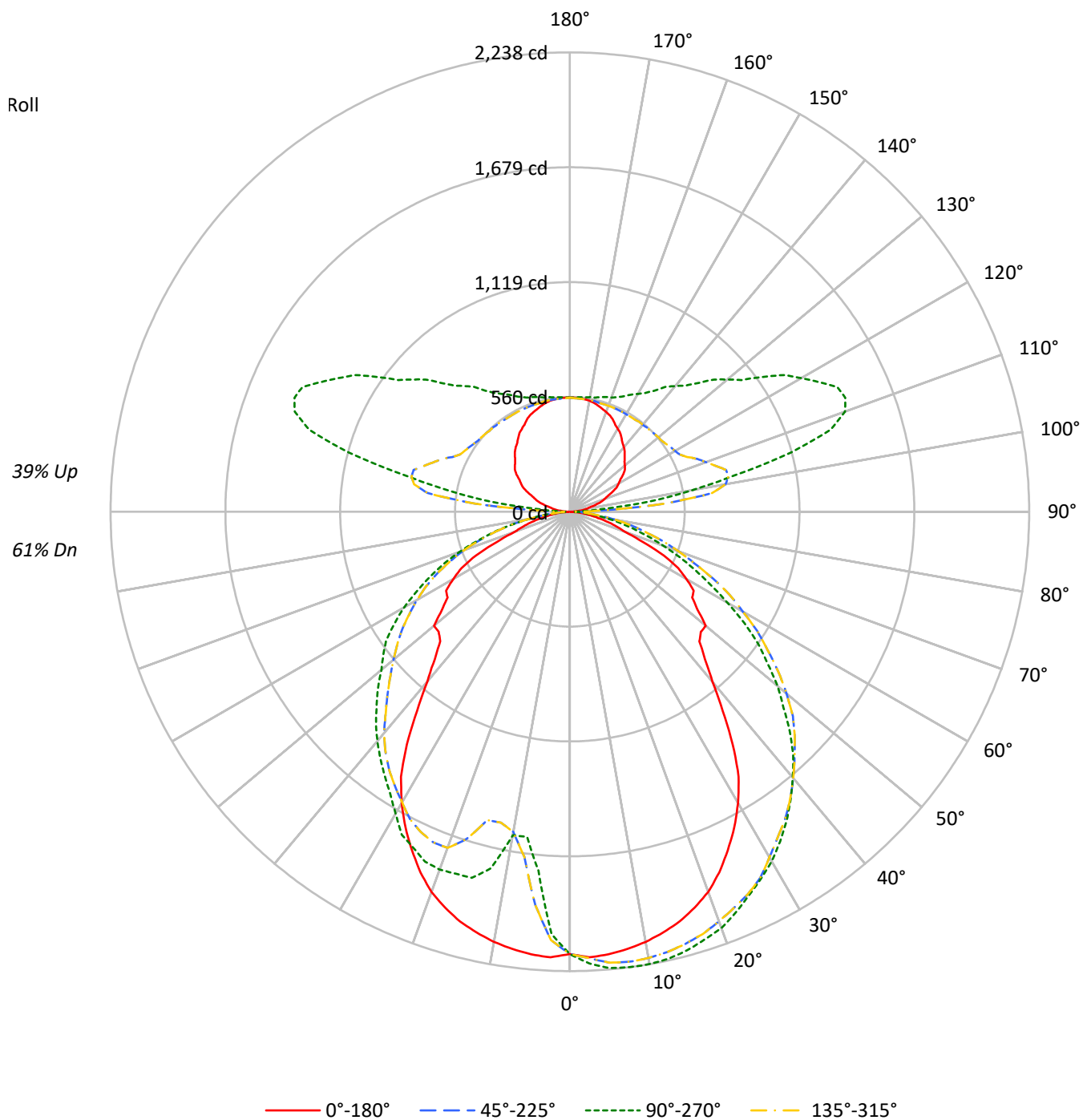
Lumens per Lamp: N/A
Luminaire Lumens: 9194.4 lumens
Efficiency: N/A
Efficacy: 98.9 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 6' x H: 0.1')
CIE Type: Semi-Direct

Input Watts (W): 93
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



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	110	110	110	110	103	103	103	103	89	89	89	77	77	77	66	66	66
1	100	96	92	88	94	90	86	83	79	76	74	68	66	65	59	57	56
2	91	84	78	72	85	79	73	68	69	65	61	60	57	54	52	49	47
3	83	74	66	60	78	69	63	57	61	56	51	53	49	46	46	43	40
4	76	65	57	51	71	61	54	49	54	48	44	47	43	39	41	37	35
5	70	58	50	44	65	55	47	42	48	42	38	42	38	34	37	33	30
6	65	52	44	38	60	49	42	36	44	37	33	38	33	30	33	29	26
7	60	47	39	33	56	45	37	32	39	33	29	35	30	26	30	26	23
8	55	43	35	29	52	40	33	28	36	30	26	32	27	23	28	24	21
9	52	39	31	26	48	37	30	25	33	27	23	29	24	21	26	22	19
10	48	36	29	24	45	34	27	23	30	25	21	27	22	19	24	20	17

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	13327	13327	13327	13327
5°	13422	13453	13422	10578
10°	13327	13252	13327	9474
15°	13177	12965	13177	10825
20°	12897	12625	12897	10848
25°	12327	12128	12327	10618
30°	11593	11717	11593	10114
35°	10331	11195	10331	9559
40°	8603	10582	8603	9140
45°	7682	9865	7682	8658
50°	8155	9008	8155	8174
55°	7665	8086	7665	7894
60°	7892	6868	7892	7231
65°	7144	5677	7144	6346
70°	4934	4524	4934	5319
75°	4311	3344	4311	4005
80°	3450	2211	3450	2407
85°	1944	1171	1944	995

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°

Vertical Angle: 45°

Luminance: 11781 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	194.5	2.1
10°-20°	552.1	6.0
20°-30°	853.5	9.3
30°-40°	1018.9	11.1
40°-50°	1024.9	11.1
50°-60°	891.8	9.7
60°-70°	632.3	6.9
70°-80°	334.5	3.6
80°-90°	85.4	0.9
90°-100°	271.2	2.9
100°-110°	713.0	7.8
110°-120°	739.3	8.0
120°-130°	593.0	6.4
130°-140°	465.3	5.1
140°-150°	357.1	3.9
150°-160°	257.2	2.8
160°-170°	157.4	1.7
170°-180°	53.2	0.6
0°-30°	1600.1	17.4
0°-40°	2619.0	28.5
0°-60°	4535.6	49.3
0°-90°	5587.8	60.8
90°-120°	1723.4	18.7
90°-150°	3138.8	34.1
90°-180°	3607.0	39.2
0°-180°	9194.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2154	2154	2154	2154	2154	
5°	2164	2232	2164	1755	2164	205
15°	2067	2211	2067	1846	2067	581
25°	1820	2063	1820	1806	1820	836
35°	1384	1840	1384	1571	1384	856
45°	893	1516	893	1331	893	715
55°	728	1119	728	1092	728	669
65°	506	675	506	754	506	483
75°	192	320	192	383	192	201
85°	33	82	33	69	33	44
90°	4	14	4	14	4	4
95°	36	164	36	164	36	40
105°	128	1116	128	1116	128	136
115°	228	1438	228	1438	228	225
125°	317	1145	317	1145	317	282
135°	378	888	378	888	378	293
145°	439	721	439	721	439	275
155°	496	621	496	621	496	228
165°	535	578	535	578	535	151
175°	556	560	556	560	556	53
180°	556	556	556	556	556	

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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2154.3	2154.3	2154.3	2154.3	2154.3	2154.3	2154.3	2154.3	2154.3	2154.3	2154.3
2.5°	2172.6	2172.6	2184.9	2188.9	2188.9	2182.8	2176.7	2182.8	2201.2	2207.3	2205.2
5°	2164.5	2180.8	2203.2	2207.3	2211.4	2209.3	2205.2	2209.3	2229.7	2233.8	2235.8
7.5°	2148.2	2178.7	2207.3	2213.4	2219.5	2213.4	2211.4	2215.4	2235.8	2239.9	2239.9
10°	2127.8	2170.6	2203.2	2207.3	2213.4	2207.3	2207.3	2215.4	2235.8	2239.9	2241.9
12.5°	2099.3	2158.4	2188.9	2193.0	2201.2	2199.1	2197.1	2205.2	2225.6	2229.7	2229.7
15°	2066.7	2135.9	2164.5	2168.6	2182.8	2178.7	2178.7	2186.9	2209.3	2215.4	2213.4
17.5°	2021.8	2107.4	2140.0	2146.1	2156.3	2154.3	2156.3	2164.5	2184.9	2188.9	2191.0
20°	1970.9	2068.7	2107.4	2113.5	2123.7	2123.7	2123.7	2133.9	2154.3	2162.4	2162.4
22.5°	1901.6	2027.9	2068.7	2072.8	2085.0	2085.0	2089.1	2103.3	2121.7	2123.7	2123.7
25°	1820.0	1983.1	2017.7	2030.0	2042.2	2048.3	2054.4	2062.6	2068.7	2066.7	2068.7
27.5°	1734.4	1926.0	1970.9	1979.0	1995.3	2001.4	2009.6	2011.6	2013.7	2019.8	2015.7
30°	1638.6	1846.5	1913.8	1921.9	1948.4	1952.5	1944.4	1948.4	1958.6	1962.7	1966.8
32.5°	1530.6	1728.3	1854.7	1873.0	1897.5	1885.3	1883.2	1889.3	1905.6	1905.6	1909.7
35°	1383.9	1636.6	1799.7	1816.0	1834.3	1820.0	1828.2	1830.2	1840.4	1846.5	1844.5
37.5°	1222.9	1557.1	1742.6	1754.8	1769.1	1750.7	1763.0	1769.1	1777.2	1773.2	1773.2
40°	1080.2	1432.8	1675.3	1683.5	1695.7	1681.4	1693.7	1697.8	1701.8	1697.8	1695.7
42.5°	974.2	1296.2	1604.0	1614.2	1606.0	1616.2	1620.3	1628.5	1622.3	1614.2	1614.2
45°	892.7	1259.6	1526.5	1538.8	1526.5	1542.9	1549.0	1549.0	1530.6	1526.5	1524.5
47.5°	866.2	1186.2	1449.1	1449.1	1443.0	1463.4	1473.6	1459.3	1440.9	1434.8	1434.8
50°	864.2	1104.7	1343.1	1335.0	1363.5	1388.0	1377.8	1363.5	1349.2	1326.8	1326.8
52.5°	784.7	1004.8	1206.6	1237.1	1282.0	1296.2	1279.9	1265.7	1241.2	1231.0	1222.9
55°	727.6	900.8	1082.2	1143.4	1190.3	1208.6	1178.0	1163.8	1127.1	1121.0	1116.9
57.5°	715.4	750.0	968.1	1045.6	1102.6	1100.6	1082.2	1055.7	1025.2	1019.1	1017.0
60°	656.3	542.1	845.8	937.5	996.6	990.5	974.2	949.8	921.2	917.2	913.1
62.5°	595.1	393.4	707.2	811.2	894.7	892.7	878.4	841.7	821.4	811.2	803.0
65°	505.5	330.2	503.4	674.6	794.9	798.9	768.4	741.9	719.5	707.2	705.2
67.5°	385.2	269.0	340.4	562.5	699.1	695.0	656.3	644.0	615.5	609.4	597.2
70°	285.3	179.4	236.4	456.5	605.3	595.1	564.6	550.3	523.8	509.5	501.4
72.5°	236.4	144.7	173.2	354.6	509.5	497.3	470.8	454.5	432.1	419.9	411.7
75°	191.6	152.9	132.5	262.9	413.7	405.6	381.1	364.8	346.5	330.2	332.2
77.5°	140.6	142.7	106.0	193.6	328.1	315.9	301.6	281.3	273.1	256.8	256.8
80°	106.0	112.1	79.5	132.5	236.4	236.4	224.2	209.9	195.7	187.5	187.5
82.5°	71.3	71.3	59.1	83.6	161.0	154.9	146.7	142.7	134.5	130.4	130.4
85°	32.6	40.8	36.7	51.0	87.6	91.7	91.7	87.6	85.6	81.5	83.6
87.5°	10.2	18.3	22.4	28.5	44.8	46.9	48.9	48.9	48.9	51.0	51.0
90°	3.7	6.7	9.7	10.4	16.4	24.3	28.3	25.2	19.0	14.2	14.2
92.5°	14.9	40.3	65.7	72.0	101.3	140.3	159.8	140.0	100.5	70.9	68.1
95°	35.8	82.3	128.7	140.4	249.3	394.5	467.1	416.8	316.2	240.8	232.3
97.5°	62.0	102.9	143.9	154.2	335.8	577.9	699.0	667.2	603.7	556.0	539.7
100°	82.1	119.3	156.5	165.8	367.3	636.0	770.3	772.6	777.3	780.8	761.4
102.5°	99.3	134.0	168.7	177.4	381.7	654.2	790.5	830.9	912.0	972.7	956.1
105°	128.5	157.9	187.3	194.6	392.4	656.3	788.2	879.0	1060.5	1196.7	1187.8
107.5°	158.4	185.7	213.1	219.9	394.4	627.1	743.4	870.1	1123.3	1313.2	1315.4
110°	178.5	203.2	227.9	234.1	391.4	601.2	706.1	847.6	1130.8	1343.1	1352.4

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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	198.3	221.8	245.4	251.3	391.5	578.6	672.1	817.0	1106.7	1324.0	1338.3
115°	228.1	249.9	271.6	277.0	395.2	552.6	631.4	771.0	1050.1	1259.4	1279.2
117.5°	257.6	277.4	297.1	302.1	402.5	536.4	603.4	729.4	981.3	1170.2	1192.1
120°	274.8	293.4	312.0	316.6	408.5	530.9	592.2	707.3	937.4	1110.1	1131.4
122.5°	291.6	310.4	329.1	333.8	417.1	528.1	583.6	687.2	894.5	1049.9	1071.0
125°	317.3	334.4	351.6	355.8	428.6	525.7	574.3	662.3	838.4	970.4	989.8
127.5°	338.3	355.6	372.8	377.1	440.2	524.4	566.4	642.0	793.2	906.6	923.0
130°	349.5	368.1	386.6	391.3	448.7	525.2	563.5	630.8	765.3	866.3	881.4
132.5°	361.0	379.7	398.2	402.9	455.5	525.7	560.8	621.0	741.6	831.9	845.4
135°	378.2	395.2	412.1	416.4	463.0	525.2	556.3	606.7	707.7	783.3	795.0
137.5°	395.8	412.5	429.3	433.5	474.2	528.5	555.6	598.2	683.5	747.5	757.1
140°	410.3	425.8	441.2	445.1	481.1	529.0	552.9	589.8	663.5	718.8	727.7
142.5°	421.6	435.9	450.2	453.7	486.8	530.9	552.9	585.3	650.0	698.6	706.3
145°	438.8	451.2	463.6	466.7	494.2	530.9	549.3	575.8	628.7	668.3	674.1
147.5°	455.9	468.0	480.1	483.2	505.2	534.6	549.3	570.0	611.7	643.0	647.8
150°	467.1	478.0	489.0	491.8	510.9	536.5	549.3	566.8	602.0	628.4	632.4
152.5°	478.7	487.0	495.3	497.4	514.6	537.7	549.3	564.3	594.3	616.9	619.8
155°	495.9	502.0	508.1	509.7	522.8	540.4	549.3	561.2	585.1	603.1	605.0
157.5°	508.5	514.6	520.5	522.0	531.1	543.2	549.3	558.6	577.1	591.1	592.5
160°	517.1	521.8	526.4	527.6	534.8	544.4	549.3	557.2	573.1	585.1	585.9
162.5°	525.7	529.3	532.7	533.6	538.8	545.8	549.3	556.0	569.4	579.5	580.2
165°	535.0	538.3	541.4	542.2	544.5	547.6	549.3	554.1	563.7	570.9	571.7
167.5°	543.6	545.2	546.6	547.0	549.0	551.7	552.9	556.1	562.4	567.2	567.5
170°	549.3	550.8	552.2	552.6	552.7	552.9	552.9	556.1	562.4	567.2	567.2
172.5°	552.2	552.5	552.9	552.9	552.9	552.9	552.9	555.4	560.4	564.2	563.9
175°	556.3	556.3	556.3	556.3	555.2	553.7	552.9	554.6	557.7	560.1	560.1
177.5°	556.3	556.3	556.3	556.3	555.4	554.3	553.7	555.0	557.5	559.4	559.0
180°	556.3	556.3	556.3	556.3	556.3	556.3	556.3	556.3	556.3	556.3	556.3

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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2154.3	2154.3	2154.3	2154.3	2154.3	2154.3	2154.3	2154.3	2154.3	2154.3	2154.3
2.5°	2209.3	2203.2	2209.3	2205.2	2207.3	2201.2	2182.8	2176.7	2182.8	2188.9	2188.9
5°	2235.8	2231.7	2235.8	2235.8	2233.8	2229.7	2209.3	2205.2	2209.3	2211.4	2207.3
7.5°	2244.0	2237.9	2244.0	2239.9	2239.9	2235.8	2215.4	2211.4	2213.4	2219.5	2213.4
10°	2244.0	2237.9	2244.0	2241.9	2239.9	2235.8	2215.4	2207.3	2207.3	2213.4	2207.3
12.5°	2233.8	2229.7	2233.8	2229.7	2229.7	2225.6	2205.2	2197.1	2199.1	2201.2	2193.0
15°	2217.5	2211.4	2217.5	2213.4	2215.4	2209.3	2186.9	2178.7	2178.7	2182.8	2168.6
17.5°	2193.0	2184.9	2193.0	2191.0	2188.9	2184.9	2164.5	2156.3	2154.3	2156.3	2146.1
20°	2164.5	2158.4	2164.5	2162.4	2162.4	2154.3	2133.9	2123.7	2123.7	2123.7	2113.5
22.5°	2119.6	2113.5	2119.6	2123.7	2123.7	2121.7	2103.3	2089.1	2085.0	2085.0	2072.8
25°	2068.7	2062.6	2068.7	2068.7	2066.7	2068.7	2062.6	2054.4	2048.3	2042.2	2030.0
27.5°	2019.8	2015.7	2019.8	2015.7	2019.8	2013.7	2011.6	2009.6	2001.4	1995.3	1979.0
30°	1970.9	1966.8	1970.9	1966.8	1962.7	1958.6	1948.4	1944.4	1952.5	1948.4	1921.9
32.5°	1909.7	1905.6	1909.7	1909.7	1905.6	1905.6	1889.3	1883.2	1885.3	1897.5	1873.0
35°	1846.5	1840.4	1846.5	1844.5	1846.5	1840.4	1830.2	1828.2	1820.0	1834.3	1816.0
37.5°	1773.2	1767.0	1773.2	1773.2	1773.2	1777.2	1769.1	1763.0	1750.7	1769.1	1754.8
40°	1697.8	1689.6	1697.8	1695.7	1697.8	1701.8	1697.8	1693.7	1681.4	1695.7	1683.5
42.5°	1612.2	1610.1	1612.2	1614.2	1614.2	1622.3	1628.5	1620.3	1616.2	1606.0	1614.2
45°	1520.4	1516.4	1520.4	1524.5	1526.5	1530.6	1549.0	1549.0	1542.9	1526.5	1538.8
47.5°	1422.6	1412.4	1422.6	1434.8	1434.8	1440.9	1459.3	1473.6	1463.4	1443.0	1449.1
50°	1318.7	1320.7	1318.7	1326.8	1326.8	1349.2	1363.5	1377.8	1388.0	1363.5	1335.0
52.5°	1216.8	1214.7	1216.8	1222.9	1231.0	1241.2	1265.7	1279.9	1296.2	1282.0	1237.1
55°	1114.8	1118.9	1114.8	1116.9	1121.0	1127.1	1163.8	1178.0	1208.6	1190.3	1143.4
57.5°	1012.9	1006.8	1012.9	1017.0	1019.1	1025.2	1055.7	1082.2	1100.6	1102.6	1045.6
60°	894.7	886.6	894.7	913.1	917.2	921.2	949.8	974.2	990.5	996.6	937.5
62.5°	790.8	776.5	790.8	803.0	811.2	821.4	841.7	878.4	892.7	894.7	811.2
65°	680.7	674.6	680.7	705.2	707.2	719.5	741.9	768.4	798.9	794.9	674.6
67.5°	580.9	580.9	580.9	597.2	609.4	615.5	644.0	656.3	695.0	699.1	562.5
70°	489.1	487.1	489.1	501.4	509.5	523.8	550.3	564.6	595.1	605.3	456.5
72.5°	401.5	399.5	401.5	411.7	419.9	432.1	454.5	470.8	497.3	509.5	354.6
75°	324.1	320.0	324.1	332.2	330.2	346.5	364.8	381.1	405.6	413.7	262.9
77.5°	248.7	248.7	248.7	256.8	256.8	273.1	281.3	301.6	315.9	328.1	193.6
80°	185.5	183.4	185.5	187.5	187.5	195.7	209.9	224.2	236.4	236.4	132.5
82.5°	130.4	126.4	130.4	130.4	130.4	134.5	142.7	146.7	154.9	161.0	83.6
85°	81.5	81.5	81.5	83.6	81.5	85.6	87.6	91.7	91.7	87.6	51.0
87.5°	53.0	51.0	53.0	51.0	51.0	48.9	48.9	48.9	46.9	44.8	28.5
90°	14.2	14.2	14.2	14.2	14.2	19.0	25.2	28.3	24.3	16.4	10.4
92.5°	56.8	45.5	56.8	68.1	70.9	100.5	140.0	159.8	140.3	101.3	72.0
95°	198.1	163.9	198.1	232.3	240.8	316.2	416.8	467.1	394.5	249.3	140.4
97.5°	474.7	409.6	474.7	539.7	556.0	603.7	667.2	699.0	577.9	335.8	154.2
100°	683.8	606.3	683.8	761.4	780.8	777.3	772.6	770.3	636.0	367.3	165.8
102.5°	889.7	823.3	889.7	956.1	972.7	912.0	830.9	790.5	654.2	381.7	177.4
105°	1152.1	1116.4	1152.1	1187.8	1196.7	1060.5	879.0	788.2	656.3	392.4	194.6
107.5°	1324.0	1332.6	1324.0	1315.4	1313.2	1123.3	870.1	743.4	627.1	394.4	219.9
110°	1389.5	1426.7	1389.5	1352.4	1343.1	1130.8	847.6	706.1	601.2	391.4	234.1

TEST NUMBER: P934951

CATALOG NUMBER: SQ4-FA-075U-125D-930-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	1395.4	1452.5	1395.4	1338.3	1324.0	1106.7	817.0	672.1	578.6	391.5	251.3
115°	1358.4	1437.5	1358.4	1279.2	1259.4	1050.1	771.0	631.4	552.6	395.2	277.0
117.5°	1279.9	1367.7	1279.9	1192.1	1170.2	981.3	729.4	603.4	536.4	402.5	302.1
120°	1216.7	1302.0	1216.7	1131.4	1110.1	937.4	707.3	592.2	530.9	408.5	316.6
122.5°	1155.1	1239.3	1155.1	1071.0	1049.9	894.5	687.2	583.6	528.1	417.1	333.8
125°	1067.3	1144.8	1067.3	989.8	970.4	838.4	662.3	574.3	525.7	428.6	355.8
127.5°	988.3	1053.7	988.3	923.0	906.6	793.2	642.0	566.4	524.4	440.2	377.1
130°	941.8	1002.1	941.8	881.4	866.3	765.3	630.8	563.5	525.2	448.7	391.3
132.5°	899.5	953.6	899.5	845.4	831.9	741.6	621.0	560.8	525.7	455.5	402.9
135°	841.6	888.3	841.6	795.0	783.3	707.7	606.7	556.3	525.2	463.0	416.4
137.5°	795.2	833.4	795.2	757.1	747.5	683.5	598.2	555.6	528.5	474.2	433.5
140°	763.4	799.1	763.4	727.7	718.8	663.5	589.8	552.9	529.0	481.1	445.1
142.5°	737.0	767.7	737.0	706.3	698.6	650.0	585.3	552.9	530.9	486.8	453.7
145°	697.4	720.6	697.4	674.1	668.3	628.7	575.8	549.3	530.9	494.2	466.7
147.5°	667.0	686.2	667.0	647.8	643.0	611.7	570.0	549.3	534.6	505.2	483.2
150°	647.9	663.5	647.9	632.4	628.4	602.0	566.8	549.3	536.5	510.9	491.8
152.5°	631.6	643.4	631.6	619.8	616.9	594.3	564.3	549.3	537.7	514.6	497.4
155°	612.8	620.6	612.8	605.0	603.1	585.1	561.2	549.3	540.4	522.8	509.7
157.5°	597.9	603.4	597.9	592.5	591.1	577.1	558.6	549.3	543.2	531.1	522.0
160°	589.0	592.2	589.0	585.9	585.1	573.1	557.2	549.3	544.4	534.8	527.6
162.5°	583.2	586.2	583.2	580.2	579.5	569.4	556.0	549.3	545.8	538.8	533.6
165°	574.9	578.0	574.9	571.7	570.9	563.7	554.1	549.3	547.6	544.5	542.2
167.5°	568.8	570.1	568.8	567.5	567.2	562.4	556.1	552.9	551.7	549.0	547.0
170°	567.2	567.2	567.2	567.2	567.2	562.4	556.1	552.9	552.9	552.7	552.6
172.5°	562.7	561.5	562.7	563.9	564.2	560.4	555.4	552.9	552.9	552.9	552.9
175°	560.1	560.1	560.1	560.1	560.1	557.7	554.6	552.9	553.7	555.2	556.3
177.5°	557.7	556.3	557.7	559.0	559.4	557.5	555.0	553.7	554.3	555.4	556.3
180°	556.3	556.3	556.3	556.3	556.3	556.3	556.3	556.3	556.3	556.3	556.3

TEST NUMBER: P934951

CATALOG NUMBER: SQ4-FA-075U-125D-930-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2154.3	2154.3	2154.3	2154.3	2154.3	2154.3	2154.3	2154.3	2154.3	2154.3	2154.3
2.5°	2184.9	2172.6	2172.6	2152.3	2144.1	2138.0	2127.8	2097.2	2089.1	2080.9	2093.1
5°	2203.2	2180.8	2164.5	2127.8	2097.2	2085.0	2046.3	1972.9	1924.0	1887.3	1866.9
7.5°	2207.3	2178.7	2148.2	2091.1	2017.7	1985.1	1866.9	1732.4	1695.7	1663.1	1642.7
10°	2203.2	2170.6	2127.8	2042.2	1869.0	1811.9	1693.7	1606.0	1583.6	1577.5	1583.6
12.5°	2188.9	2158.4	2099.3	1956.6	1714.1	1675.3	1606.0	1555.1	1551.0	1561.2	1616.2
15°	2164.5	2135.9	2066.7	1842.5	1628.5	1599.9	1551.0	1532.7	1555.1	1626.4	1791.5
17.5°	2140.0	2107.4	2021.8	1730.4	1563.2	1542.9	1508.2	1544.9	1671.3	1767.0	1822.1
20°	2107.4	2068.7	1970.9	1648.8	1516.4	1498.0	1481.7	1646.8	1742.6	1777.2	1807.8
22.5°	2068.7	2027.9	1901.6	1591.8	1467.4	1453.2	1463.4	1703.9	1742.6	1767.0	1793.5
25°	2017.7	1983.1	1820.0	1546.9	1428.7	1412.4	1451.1	1697.8	1720.2	1726.3	1779.3
27.5°	1970.9	1926.0	1734.4	1506.2	1381.8	1375.7	1461.3	1671.3	1687.6	1693.7	1750.7
30°	1913.8	1846.5	1638.6	1463.4	1332.9	1330.9	1463.4	1638.6	1634.6	1650.9	1707.9
32.5°	1854.7	1728.3	1530.6	1410.4	1286.1	1284.0	1449.1	1589.7	1585.7	1608.1	1650.9
35°	1799.7	1636.6	1383.9	1349.2	1226.9	1229.0	1414.5	1532.7	1534.7	1555.1	1581.6
37.5°	1742.6	1557.1	1222.9	1282.0	1169.9	1169.9	1367.6	1479.7	1475.6	1481.7	1518.4
40°	1675.3	1432.8	1080.2	1194.3	1116.9	1110.8	1310.5	1422.6	1408.3	1406.3	1457.3
42.5°	1604.0	1296.2	974.2	1078.2	1055.7	1047.6	1241.2	1353.3	1326.8	1332.9	1398.1
45°	1526.5	1259.6	892.7	911.0	992.6	986.4	1165.8	1273.8	1255.5	1271.8	1339.0
47.5°	1449.1	1186.2	866.2	756.1	925.3	923.3	1082.2	1196.4	1186.2	1202.5	1273.8
50°	1343.1	1104.7	864.2	648.1	849.9	858.0	982.4	1121.0	1121.0	1135.2	1210.6
52.5°	1206.6	1004.8	784.7	587.0	762.3	786.7	894.7	1055.7	1059.8	1074.1	1141.3
55°	1082.2	900.8	727.6	540.1	658.3	711.3	809.1	988.5	996.6	1010.9	1072.0
57.5°	968.1	750.0	715.4	485.1	562.5	613.5	733.7	923.3	927.3	939.6	998.7
60°	845.8	542.1	656.3	426.0	479.0	517.7	664.4	845.8	860.1	868.2	919.2
62.5°	707.2	393.4	595.1	385.2	438.2	446.3	607.4	772.4	790.8	796.9	827.5
65°	503.4	330.2	505.5	350.6	395.4	397.4	546.2	697.0	713.3	723.5	746.0
67.5°	340.4	269.0	385.2	317.9	362.8	364.8	487.1	609.4	631.8	640.0	654.2
70°	236.4	179.4	285.3	283.3	326.1	330.2	423.9	529.9	550.3	556.4	564.6
72.5°	173.2	144.7	236.4	254.8	287.4	291.5	358.7	440.2	460.6	466.7	470.8
75°	132.5	152.9	191.6	222.2	244.6	246.6	293.5	358.7	373.0	377.1	379.1
77.5°	106.0	142.7	140.6	179.4	199.7	195.7	230.3	277.2	289.4	289.4	289.4
80°	79.5	112.1	106.0	128.4	146.7	142.7	165.1	197.7	201.8	205.8	203.8
82.5°	59.1	71.3	71.3	81.5	97.8	93.8	110.1	128.4	128.4	128.4	132.5
85°	36.7	40.8	32.6	42.8	55.0	53.0	61.1	69.3	71.3	71.3	67.3
87.5°	22.4	18.3	10.2	16.3	24.5	24.5	28.5	30.6	28.5	28.5	28.5
90°	9.7	6.7	3.7	6.7	9.7	10.4	16.4	24.3	28.3	25.2	19.0
92.5°	65.7	40.3	14.9	40.3	65.7	72.0	101.3	140.3	159.8	140.0	100.5
95°	128.7	82.3	35.8	82.3	128.7	140.4	249.3	394.5	467.1	416.8	316.2
97.5°	143.9	102.9	62.0	102.9	143.9	154.2	335.8	577.9	699.0	667.2	603.7
100°	156.5	119.3	82.1	119.3	156.5	165.8	367.3	636.0	770.3	772.6	777.3
102.5°	168.7	134.0	99.3	134.0	168.7	177.4	381.7	654.2	790.5	830.9	912.0
105°	187.3	157.9	128.5	157.9	187.3	194.6	392.4	656.3	788.2	879.0	1060.5
107.5°	213.1	185.7	158.4	185.7	213.1	219.9	394.4	627.1	743.4	870.1	1123.3
110°	227.9	203.2	178.5	203.2	227.9	234.1	391.4	601.2	706.1	847.6	1130.8

TEST NUMBER: P934951

CATALOG NUMBER: SQ4-FA-075U-125D-930-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	245.4	221.8	198.3	221.8	245.4	251.3	391.5	578.6	672.1	817.0	1106.7
115°	271.6	249.9	228.1	249.9	271.6	277.0	395.2	552.6	631.4	771.0	1050.1
117.5°	297.1	277.4	257.6	277.4	297.1	302.1	402.5	536.4	603.4	729.4	981.3
120°	312.0	293.4	274.8	293.4	312.0	316.6	408.5	530.9	592.2	707.3	937.4
122.5°	329.1	310.4	291.6	310.4	329.1	333.8	417.1	528.1	583.6	687.2	894.5
125°	351.6	334.4	317.3	334.4	351.6	355.8	428.6	525.7	574.3	662.3	838.4
127.5°	372.8	355.6	338.3	355.6	372.8	377.1	440.2	524.4	566.4	642.0	793.2
130°	386.6	368.1	349.5	368.1	386.6	391.3	448.7	525.2	563.5	630.8	765.3
132.5°	398.2	379.7	361.0	379.7	398.2	402.9	455.5	525.7	560.8	621.0	741.6
135°	412.1	395.2	378.2	395.2	412.1	416.4	463.0	525.2	556.3	606.7	707.7
137.5°	429.3	412.5	395.8	412.5	429.3	433.5	474.2	528.5	555.6	598.2	683.5
140°	441.2	425.8	410.3	425.8	441.2	445.1	481.1	529.0	552.9	589.8	663.5
142.5°	450.2	435.9	421.6	435.9	450.2	453.7	486.8	530.9	552.9	585.3	650.0
145°	463.6	451.2	438.8	451.2	463.6	466.7	494.2	530.9	549.3	575.8	628.7
147.5°	480.1	468.0	455.9	468.0	480.1	483.2	505.2	534.6	549.3	570.0	611.7
150°	489.0	478.0	467.1	478.0	489.0	491.8	510.9	536.5	549.3	566.8	602.0
152.5°	495.3	487.0	478.7	487.0	495.3	497.4	514.6	537.7	549.3	564.3	594.3
155°	508.1	502.0	495.9	502.0	508.1	509.7	522.8	540.4	549.3	561.2	585.1
157.5°	520.5	514.6	508.5	514.6	520.5	522.0	531.1	543.2	549.3	558.6	577.1
160°	526.4	521.8	517.1	521.8	526.4	527.6	534.8	544.4	549.3	557.2	573.1
162.5°	532.7	529.3	525.7	529.3	532.7	533.6	538.8	545.8	549.3	556.0	569.4
165°	541.4	538.3	535.0	538.3	541.4	542.2	544.5	547.6	549.3	554.1	563.7
167.5°	546.6	545.2	543.6	545.2	546.6	547.0	549.0	551.7	552.9	556.1	562.4
170°	552.2	550.8	549.3	550.8	552.2	552.6	552.7	552.9	552.9	556.1	562.4
172.5°	552.9	552.5	552.2	552.5	552.9	552.9	552.9	552.9	552.9	555.4	560.4
175°	556.3	556.3	556.3	556.3	556.3	556.3	555.2	553.7	552.9	554.6	557.7
177.5°	556.3	556.3	556.3	556.3	556.3	556.3	555.4	554.3	553.7	555.0	557.5
180°	556.3	556.3	556.3	556.3	556.3	556.3	556.3	556.3	556.3	556.3	556.3

TEST NUMBER: P934951

CATALOG NUMBER: SQ4-FA-075U-125D-930-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2154.3	2154.3	2154.3	2154.3	2154.3	2154.3	2154.3	2154.3	2154.3	2154.3	2154.3
2.5°	2078.9	2072.8	2080.9	2058.5	2080.9	2072.8	2078.9	2093.1	2080.9	2089.1	2097.2
5°	1824.1	1813.9	1781.3	1754.8	1781.3	1813.9	1824.1	1866.9	1887.3	1924.0	1972.9
7.5°	1630.5	1622.3	1614.2	1597.9	1614.2	1622.3	1630.5	1642.7	1663.1	1695.7	1732.4
10°	1587.7	1589.7	1602.0	1599.9	1602.0	1589.7	1587.7	1583.6	1577.5	1583.6	1606.0
12.5°	1697.8	1716.1	1783.4	1779.3	1783.4	1716.1	1697.8	1616.2	1561.2	1551.0	1555.1
15°	1824.1	1830.2	1844.5	1846.5	1844.5	1830.2	1824.1	1791.5	1626.4	1555.1	1532.7
17.5°	1836.3	1838.4	1848.6	1848.6	1848.6	1838.4	1836.3	1822.1	1767.0	1671.3	1544.9
20°	1826.2	1830.2	1850.6	1854.7	1850.6	1830.2	1826.2	1807.8	1777.2	1742.6	1646.8
22.5°	1822.1	1830.2	1846.5	1844.5	1846.5	1830.2	1822.1	1793.5	1767.0	1742.6	1703.9
25°	1801.7	1801.7	1803.7	1805.8	1803.7	1801.7	1801.7	1779.3	1726.3	1720.2	1697.8
27.5°	1758.9	1763.0	1775.2	1773.2	1775.2	1763.0	1758.9	1750.7	1693.7	1687.6	1671.3
30°	1720.2	1716.1	1705.9	1697.8	1705.9	1716.1	1720.2	1707.9	1650.9	1634.6	1638.6
32.5°	1655.0	1644.8	1634.6	1628.5	1634.6	1644.8	1655.0	1650.9	1608.1	1585.7	1589.7
35°	1577.5	1579.5	1577.5	1571.4	1577.5	1579.5	1577.5	1581.6	1555.1	1534.7	1532.7
37.5°	1522.5	1526.5	1524.5	1516.4	1524.5	1526.5	1522.5	1518.4	1481.7	1475.6	1479.7
40°	1465.4	1467.4	1465.4	1459.3	1465.4	1467.4	1465.4	1457.3	1406.3	1408.3	1422.6
42.5°	1410.4	1408.3	1402.2	1398.1	1402.2	1408.3	1410.4	1398.1	1332.9	1326.8	1353.3
45°	1347.2	1349.2	1337.0	1330.9	1337.0	1349.2	1347.2	1339.0	1271.8	1255.5	1273.8
47.5°	1284.0	1284.0	1273.8	1267.7	1273.8	1284.0	1284.0	1273.8	1202.5	1186.2	1196.4
50°	1216.8	1214.7	1200.5	1198.4	1200.5	1214.7	1216.8	1210.6	1135.2	1121.0	1121.0
52.5°	1139.3	1139.3	1141.3	1145.4	1141.3	1139.3	1139.3	1141.3	1074.1	1059.8	1055.7
55°	1072.0	1074.1	1088.4	1092.4	1088.4	1074.1	1072.0	1072.0	1010.9	996.6	988.5
57.5°	1002.8	1002.8	1012.9	1012.9	1012.9	1002.8	1002.8	998.7	939.6	927.3	923.3
60°	923.3	927.3	935.5	933.5	935.5	927.3	923.3	919.2	868.2	860.1	845.8
62.5°	839.7	843.8	845.8	841.7	845.8	843.8	839.7	827.5	796.9	790.8	772.4
65°	752.1	756.1	758.2	754.1	758.2	756.1	752.1	746.0	723.5	713.3	697.0
67.5°	662.4	660.3	658.3	666.5	658.3	660.3	662.4	654.2	640.0	631.8	609.4
70°	570.7	570.7	568.6	572.7	568.6	570.7	570.7	564.6	556.4	550.3	529.9
72.5°	472.8	470.8	479.0	472.8	479.0	470.8	472.8	470.8	466.7	460.6	440.2
75°	377.1	381.1	377.1	383.2	377.1	381.1	377.1	379.1	377.1	373.0	358.7
77.5°	287.4	291.5	287.4	287.4	287.4	291.5	287.4	289.4	289.4	289.4	277.2
80°	203.8	201.8	201.8	199.7	201.8	201.8	203.8	203.8	205.8	201.8	197.7
82.5°	130.4	128.4	128.4	132.5	128.4	128.4	130.4	132.5	128.4	128.4	128.4
85°	71.3	73.4	69.3	69.3	69.3	73.4	71.3	67.3	71.3	71.3	69.3
87.5°	26.5	24.5	24.5	24.5	24.5	24.5	26.5	28.5	28.5	28.5	30.6
90°	14.2	14.2	14.2	14.2	14.2	14.2	14.2	19.0	25.2	28.3	24.3
92.5°	70.9	68.1	56.8	45.5	56.8	68.1	70.9	100.5	140.0	159.8	140.3
95°	240.8	232.3	198.1	163.9	198.1	232.3	240.8	316.2	416.8	467.1	394.5
97.5°	556.0	539.7	474.7	409.6	474.7	539.7	556.0	603.7	667.2	699.0	577.9
100°	780.8	761.4	683.8	606.3	683.8	761.4	780.8	777.3	772.6	770.3	636.0
102.5°	972.7	956.1	889.7	823.3	889.7	956.1	972.7	912.0	830.9	790.5	654.2
105°	1196.7	1187.8	1152.1	1116.4	1152.1	1187.8	1196.7	1060.5	879.0	788.2	656.3
107.5°	1313.2	1315.4	1324.0	1332.6	1324.0	1315.4	1313.2	1123.3	870.1	743.4	627.1
110°	1343.1	1352.4	1389.5	1426.7	1389.5	1352.4	1343.1	1130.8	847.6	706.1	601.2

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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1324.0	1338.3	1395.4	1452.5	1395.4	1338.3	1324.0	1106.7	817.0	672.1	578.6
115°	1259.4	1279.2	1358.4	1437.5	1358.4	1279.2	1259.4	1050.1	771.0	631.4	552.6
117.5°	1170.2	1192.1	1279.9	1367.7	1279.9	1192.1	1170.2	981.3	729.4	603.4	536.4
120°	1110.1	1131.4	1216.7	1302.0	1216.7	1131.4	1110.1	937.4	707.3	592.2	530.9
122.5°	1049.9	1071.0	1155.1	1239.3	1155.1	1071.0	1049.9	894.5	687.2	583.6	528.1
125°	970.4	989.8	1067.3	1144.8	1067.3	989.8	970.4	838.4	662.3	574.3	525.7
127.5°	906.6	923.0	988.3	1053.7	988.3	923.0	906.6	793.2	642.0	566.4	524.4
130°	866.3	881.4	941.8	1002.1	941.8	881.4	866.3	765.3	630.8	563.5	525.2
132.5°	831.9	845.4	899.5	953.6	899.5	845.4	831.9	741.6	621.0	560.8	525.7
135°	783.3	795.0	841.6	888.3	841.6	795.0	783.3	707.7	606.7	556.3	525.2
137.5°	747.5	757.1	795.2	833.4	795.2	757.1	747.5	683.5	598.2	555.6	528.5
140°	718.8	727.7	763.4	799.1	763.4	727.7	718.8	663.5	589.8	552.9	529.0
142.5°	698.6	706.3	737.0	767.7	737.0	706.3	698.6	650.0	585.3	552.9	530.9
145°	668.3	674.1	697.4	720.6	697.4	674.1	668.3	628.7	575.8	549.3	530.9
147.5°	643.0	647.8	667.0	686.2	667.0	647.8	643.0	611.7	570.0	549.3	534.6
150°	628.4	632.4	647.9	663.5	647.9	632.4	628.4	602.0	566.8	549.3	536.5
152.5°	616.9	619.8	631.6	643.4	631.6	619.8	616.9	594.3	564.3	549.3	537.7
155°	603.1	605.0	612.8	620.6	612.8	605.0	603.1	585.1	561.2	549.3	540.4
157.5°	591.1	592.5	597.9	603.4	597.9	592.5	591.1	577.1	558.6	549.3	543.2
160°	585.1	585.9	589.0	592.2	589.0	585.9	585.1	573.1	557.2	549.3	544.4
162.5°	579.5	580.2	583.2	586.2	583.2	580.2	579.5	569.4	556.0	549.3	545.8
165°	570.9	571.7	574.9	578.0	574.9	571.7	570.9	563.7	554.1	549.3	547.6
167.5°	567.2	567.5	568.8	570.1	568.8	567.5	567.2	562.4	556.1	552.9	551.7
170°	567.2	567.2	567.2	567.2	567.2	567.2	567.2	562.4	556.1	552.9	552.9
172.5°	564.2	563.9	562.7	561.5	562.7	563.9	564.2	560.4	555.4	552.9	552.9
175°	560.1	560.1	560.1	560.1	560.1	560.1	560.1	557.7	554.6	552.9	553.7
177.5°	559.4	559.0	557.7	556.3	557.7	559.0	559.4	557.5	555.0	553.7	554.3
180°	556.3	556.3	556.3	556.3	556.3	556.3	556.3	556.3	556.3	556.3	556.3

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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	2154.3	2154.3	2154.3	2154.3	2154.3
2.5°	2127.8	2138.0	2144.1	2152.3	2172.6
5°	2046.3	2085.0	2097.2	2127.8	2164.5
7.5°	1866.9	1985.1	2017.7	2091.1	2148.2
10°	1693.7	1811.9	1869.0	2042.2	2127.8
12.5°	1606.0	1675.3	1714.1	1956.6	2099.3
15°	1551.0	1599.9	1628.5	1842.5	2066.7
17.5°	1508.2	1542.9	1563.2	1730.4	2021.8
20°	1481.7	1498.0	1516.4	1648.8	1970.9
22.5°	1463.4	1453.2	1467.4	1591.8	1901.6
25°	1451.1	1412.4	1428.7	1546.9	1820.0
27.5°	1461.3	1375.7	1381.8	1506.2	1734.4
30°	1463.4	1330.9	1332.9	1463.4	1638.6
32.5°	1449.1	1284.0	1286.1	1410.4	1530.6
35°	1414.5	1229.0	1226.9	1349.2	1383.9
37.5°	1367.6	1169.9	1169.9	1282.0	1222.9
40°	1310.5	1110.8	1116.9	1194.3	1080.2
42.5°	1241.2	1047.6	1055.7	1078.2	974.2
45°	1165.8	986.4	992.6	911.0	892.7
47.5°	1082.2	923.3	925.3	756.1	866.2
50°	982.4	858.0	849.9	648.1	864.2
52.5°	894.7	786.7	762.3	587.0	784.7
55°	809.1	711.3	658.3	540.1	727.6
57.5°	733.7	613.5	562.5	485.1	715.4
60°	664.4	517.7	479.0	426.0	656.3
62.5°	607.4	446.3	438.2	385.2	595.1
65°	546.2	397.4	395.4	350.6	505.5
67.5°	487.1	364.8	362.8	317.9	385.2
70°	423.9	330.2	326.1	283.3	285.3
72.5°	358.7	291.5	287.4	254.8	236.4
75°	293.5	246.6	244.6	222.2	191.6
77.5°	230.3	195.7	199.7	179.4	140.6
80°	165.1	142.7	146.7	128.4	106.0
82.5°	110.1	93.8	97.8	81.5	71.3
85°	61.1	53.0	55.0	42.8	32.6
87.5°	28.5	24.5	24.5	16.3	10.2
90°	16.4	10.4	9.7	6.7	3.7
92.5°	101.3	72.0	65.7	40.3	14.9
95°	249.3	140.4	128.7	82.3	35.8
97.5°	335.8	154.2	143.9	102.9	62.0
100°	367.3	165.8	156.5	119.3	82.1
102.5°	381.7	177.4	168.7	134.0	99.3
105°	392.4	194.6	187.3	157.9	128.5
107.5°	394.4	219.9	213.1	185.7	158.4
110°	391.4	234.1	227.9	203.2	178.5



TEST NUMBER: P934951

CATALOG NUMBER: SQ4-FA-075U-125D-930-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	391.5	251.3	245.4	221.8	198.3
115°	395.2	277.0	271.6	249.9	228.1
117.5°	402.5	302.1	297.1	277.4	257.6
120°	408.5	316.6	312.0	293.4	274.8
122.5°	417.1	333.8	329.1	310.4	291.6
125°	428.6	355.8	351.6	334.4	317.3
127.5°	440.2	377.1	372.8	355.6	338.3
130°	448.7	391.3	386.6	368.1	349.5
132.5°	455.5	402.9	398.2	379.7	361.0
135°	463.0	416.4	412.1	395.2	378.2
137.5°	474.2	433.5	429.3	412.5	395.8
140°	481.1	445.1	441.2	425.8	410.3
142.5°	486.8	453.7	450.2	435.9	421.6
145°	494.2	466.7	463.6	451.2	438.8
147.5°	505.2	483.2	480.1	468.0	455.9
150°	510.9	491.8	489.0	478.0	467.1
152.5°	514.6	497.4	495.3	487.0	478.7
155°	522.8	509.7	508.1	502.0	495.9
157.5°	531.1	522.0	520.5	514.6	508.5
160°	534.8	527.6	526.4	521.8	517.1
162.5°	538.8	533.6	532.7	529.3	525.7
165°	544.5	542.2	541.4	538.3	535.0
167.5°	549.0	547.0	546.6	545.2	543.6
170°	552.7	552.6	552.2	550.8	549.3
172.5°	552.9	552.9	552.9	552.5	552.2
175°	555.2	556.3	556.3	556.3	556.3
177.5°	555.4	556.3	556.3	556.3	556.3
180°	556.3	556.3	556.3	556.3	556.3

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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	14.74	15.71	15.60	16.59	17.70	17.56	18.53	18.42	19.41	20.52
	3H	15.22	16.09	16.10	16.98	18.12	18.92	19.78	19.79	20.67	21.81
	4H	15.42	16.24	16.31	17.14	18.28	19.36	20.18	20.25	21.08	22.22
	6H	15.55	16.30	16.44	17.20	18.36	19.65	20.41	20.55	21.31	22.47
	8H	15.55	16.27	16.46	17.19	18.35	19.73	20.45	20.64	21.37	22.53
	12H	15.52	16.21	16.44	17.12	18.31	19.77	20.46	20.68	21.37	22.55
4H	2H	15.78	16.60	16.68	17.50	18.64	17.99	18.81	18.88	19.70	20.85
	3H	16.82	17.50	17.72	18.43	19.59	19.50	20.18	20.40	21.11	22.27
	4H	17.10	17.72	18.02	18.65	19.83	20.03	20.65	20.95	21.58	22.76
	6H	17.23	17.77	18.16	18.72	19.90	20.40	20.94	21.33	21.89	23.07
	8H	17.24	17.74	18.17	18.68	19.88	20.51	21.01	21.44	21.95	23.15
	12H	17.21	17.66	18.16	18.62	19.83	20.57	21.02	21.52	21.98	23.19
8H	4H	17.56	18.06	18.49	19.01	20.21	20.16	20.67	21.10	21.61	22.81
	6H	17.83	18.24	18.79	19.23	20.43	20.60	21.02	21.56	22.00	23.20
	8H	17.87	18.24	18.84	19.21	20.43	20.76	21.12	21.72	22.10	23.31
	12H	17.86	18.18	18.83	19.15	20.42	20.86	21.18	21.83	22.15	23.41
12H	4H	17.57	18.03	18.52	18.98	20.19	20.13	20.59	21.09	21.55	22.75
	6H	17.89	18.26	18.86	19.23	20.45	20.60	20.97	21.57	21.94	23.16
	8H	17.96	18.28	18.93	19.25	20.52	20.77	21.09	21.74	22.06	23.32