

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: P934452

Luminaire Tested: SQ4-FA-050U-100D-930-1D-UNV-STD-W-8

Issue Date: 12/17/2024

**Test Information**

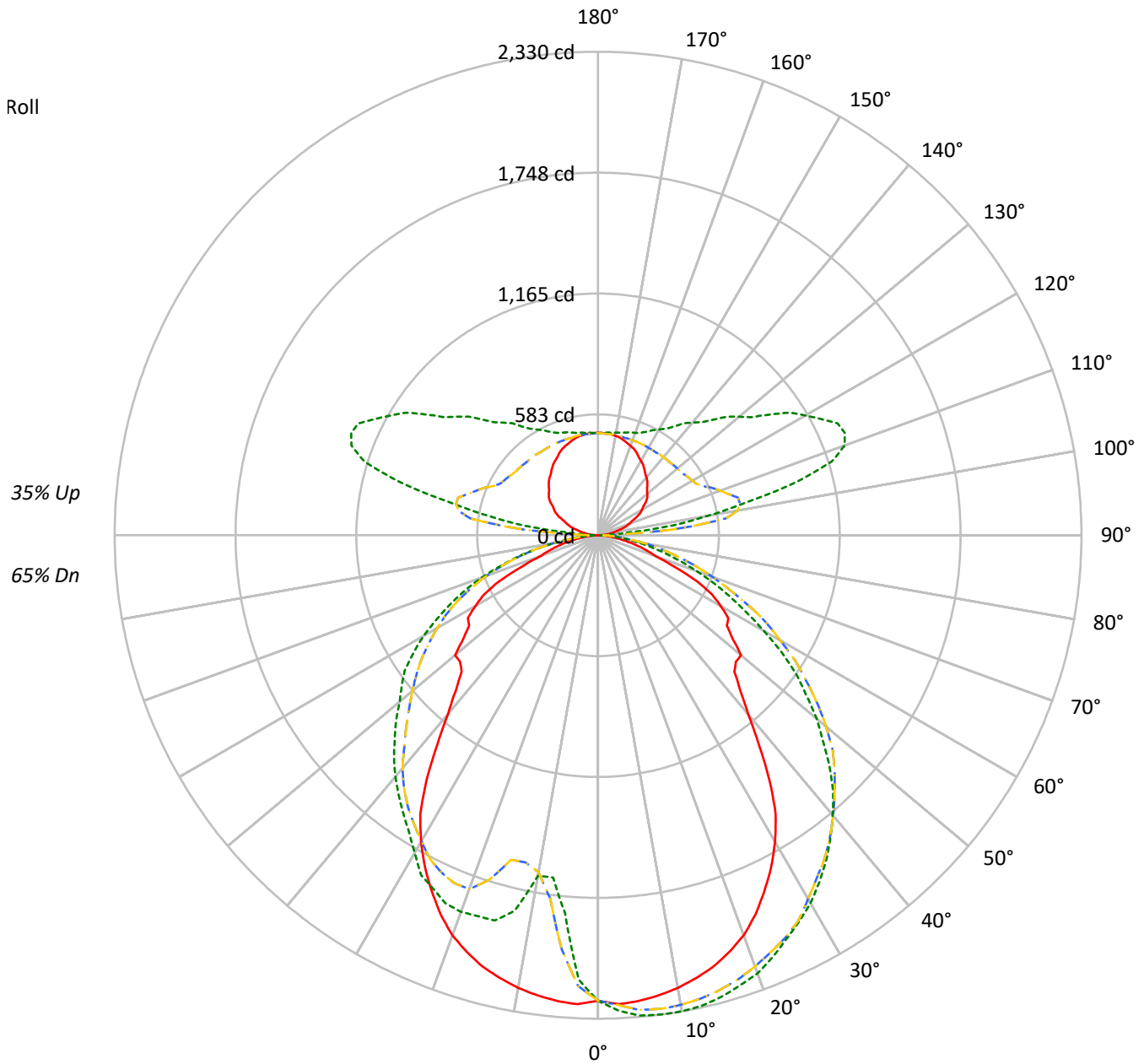
Test Method: LM-79-2019  
Report Number: P934452  
REPORT IS A COMBINATION OF REPORTS P933700 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-050U-100D-930-1D-UNV-STD-W-8  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9014.5 lumens  
Efficiency: N/A  
Efficacy: 99.7 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-Direct  
  
Input Watts (W): 90.4  
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	111	111	111	111	104	104	104	104	91	91	91	80	80	80	69	69	69	69	69	69	65
1	101	97	93	89	95	91	88	84	80	78	75	71	69	67	62	60	59	62	60	59	55
2	92	85	78	73	86	80	74	69	70	66	63	62	59	56	54	52	50	54	52	50	46
3	84	74	67	61	79	70	63	58	62	57	53	55	51	47	48	45	42	48	45	42	39
4	77	66	58	52	72	62	55	49	55	49	45	49	44	41	43	39	36	43	39	36	33
5	71	59	50	44	66	56	48	42	49	43	39	44	39	35	39	35	32	39	35	32	29
6	65	53	44	38	61	50	42	37	45	38	34	40	35	31	35	31	28	35	31	28	25
7	60	48	39	34	56	45	38	32	40	34	30	36	31	27	32	28	25	32	28	25	22
8	56	43	35	30	52	41	34	29	37	31	27	33	28	24	29	25	22	29	25	22	20
9	52	40	32	27	49	38	31	26	34	28	24	30	25	22	27	23	20	27	23	20	18
10	49	36	29	24	46	35	28	23	31	25	21	28	23	20	25	21	18	25	21	18	16

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

	0°	90°	180°	270°
0°	10406	10406	10406	10406
5°	10484	10504	10484	8260
10°	10413	10347	10413	7398
15°	10300	10123	10300	8453
20°	10085	9858	10085	8471
25°	9644	9470	9644	8291
30°	9074	9148	9074	7897
35°	8089	8742	8089	7464
40°	6741	8263	6741	7137
45°	6023	7702	6023	6760
50°	6399	7034	6399	6383
55°	6021	6314	6021	6165
60°	6206	5362	6206	5646
65°	5626	4433	5626	4955
70°	3895	3533	3895	4153
75°	3417	2612	3417	3127
80°	2752	1727	2752	1880
85°	1584	915	1584	777

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 9231 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	202.5	2.2
10°-20°	574.8	6.4
20°-30°	888.6	9.9
30°-40°	1060.8	11.8
40°-50°	1067.0	11.8
50°-60°	928.4	10.3
60°-70°	658.3	7.3
70°-80°	348.3	3.9
80°-90°	88.6	1.0
90°-100°	240.4	2.7
100°-110°	632.1	7.0
110°-120°	655.4	7.3
120°-130°	525.7	5.8
130°-140°	412.5	4.6
140°-150°	316.6	3.5
150°-160°	228.0	2.5
160°-170°	139.5	1.5
170°-180°	47.1	0.5
0°-30°	1665.9	18.5
0°-40°	2726.7	30.2
0°-60°	4722.1	52.4
0°-90°	5817.2	64.5
90°-120°	1527.9	16.9
90°-150°	2782.6	30.9
90°-180°	3197.0	35.5
0°-180°	9014.5	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	2243	2243	2243	2243	2243	
5°	2254	2324	2254	1827	2254	214
15°	2152	2302	2152	1922	2152	605
25°	1895	2147	1895	1880	1895	870
35°	1441	1916	1441	1636	1441	891
45°	929	1579	929	1386	929	744
55°	758	1165	758	1137	758	696
65°	526	702	526	785	526	503
75°	200	333	200	399	200	210
85°	34	85	34	72	34	46
90°	3	13	3	13	3	4
95°	32	145	32	145	32	35
105°	114	990	114	990	114	121
115°	202	1274	202	1274	202	200
125°	281	1015	281	1015	281	250
135°	335	788	335	788	335	259
145°	389	639	389	639	389	244
155°	440	550	440	550	440	202
165°	474	512	474	512	474	134
175°	493	496	493	496	493	47
180°	493	493	493	493	493	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2242.9	2242.9	2242.9	2242.9	2242.9	2242.9	2242.9	2242.9	2242.9	2242.9	2242.9
2.5°	2262.0	2262.0	2274.7	2278.9	2278.9	2272.6	2266.2	2272.6	2291.7	2298.0	2295.9
5°	2253.5	2270.4	2293.8	2298.0	2302.3	2300.1	2295.9	2300.1	2321.4	2325.6	2327.7
7.5°	2236.5	2268.3	2298.0	2304.4	2310.8	2304.4	2302.3	2306.5	2327.7	2332.0	2332.0
10°	2215.2	2259.8	2293.8	2298.0	2304.4	2298.0	2298.0	2306.5	2327.7	2332.0	2334.1
12.5°	2185.5	2247.1	2278.9	2283.2	2291.7	2289.5	2287.4	2295.9	2317.1	2321.4	2321.4
15°	2151.6	2223.7	2253.5	2257.7	2272.6	2268.3	2268.3	2276.8	2300.1	2306.5	2304.4
17.5°	2104.9	2194.0	2228.0	2234.3	2244.9	2242.9	2244.9	2253.5	2274.7	2278.9	2281.1
20°	2051.9	2153.7	2194.0	2200.4	2211.1	2211.1	2211.1	2221.7	2242.9	2251.4	2251.4
22.5°	1979.7	2111.3	2153.7	2158.0	2170.7	2170.7	2174.9	2189.8	2208.9	2211.1	2211.1
25°	1894.8	2064.6	2100.6	2113.4	2126.2	2132.5	2138.9	2147.4	2153.7	2151.6	2153.7
27.5°	1805.7	2005.2	2051.9	2060.3	2077.4	2083.7	2092.2	2094.3	2096.5	2102.8	2098.6
30°	1706.0	1922.5	1992.5	2001.0	2028.5	2032.8	2024.3	2028.5	2039.1	2043.4	2047.6
32.5°	1593.6	1799.4	1931.0	1950.0	1975.5	1962.8	1960.6	1967.0	1984.0	1984.0	1988.2
35°	1440.7	1703.9	1873.6	1890.6	1909.7	1894.8	1903.4	1905.4	1916.1	1922.5	1920.3
37.5°	1273.2	1621.1	1814.2	1827.0	1841.8	1822.7	1835.4	1841.8	1850.3	1846.1	1846.1
40°	1124.6	1491.7	1744.2	1752.7	1765.4	1750.5	1763.3	1767.6	1771.8	1767.6	1765.4
42.5°	1014.3	1349.5	1669.9	1680.5	1672.1	1682.7	1686.9	1695.4	1689.0	1680.5	1680.5
45°	929.4	1311.3	1589.3	1602.1	1589.3	1606.3	1612.7	1612.7	1593.6	1589.3	1587.2
47.5°	901.8	1234.9	1508.7	1508.7	1502.3	1523.5	1534.1	1519.3	1500.2	1493.8	1493.8
50°	899.7	1150.1	1398.3	1389.8	1419.5	1445.0	1434.4	1419.5	1404.7	1381.3	1381.3
52.5°	817.0	1046.1	1256.1	1288.0	1334.7	1349.5	1332.6	1317.7	1292.3	1281.7	1273.2
55°	757.6	937.9	1126.8	1190.4	1239.2	1258.3	1226.4	1211.6	1173.4	1167.1	1162.8
57.5°	744.8	780.8	1007.9	1088.5	1148.0	1145.8	1126.8	1099.1	1067.3	1060.9	1058.8
60°	683.3	564.4	880.6	976.0	1037.6	1031.2	1014.3	988.8	959.1	954.8	950.6
62.5°	619.6	409.5	736.3	844.5	931.5	929.4	914.5	876.3	855.1	844.5	836.0
65°	526.2	343.8	524.1	702.4	827.6	831.7	799.9	772.4	749.0	736.3	734.2
67.5°	401.0	280.1	354.4	585.6	727.8	723.6	683.3	670.5	640.8	634.5	621.7
70°	297.0	186.7	246.1	475.3	630.2	619.6	587.8	572.9	545.3	530.5	522.0
72.5°	246.1	150.6	180.4	369.2	530.5	517.8	490.2	473.2	449.8	437.1	428.6
75°	199.5	159.2	138.0	273.7	430.7	422.3	396.8	379.8	360.7	343.8	345.9
77.5°	146.4	148.6	110.3	201.6	341.6	328.9	314.1	292.9	284.3	267.4	267.4
80°	110.3	116.7	82.8	138.0	246.1	246.1	233.4	218.6	203.7	195.2	195.2
82.5°	74.3	74.3	61.5	87.0	167.7	161.2	152.8	148.6	140.0	135.8	135.8
85°	34.0	42.4	38.2	53.1	91.2	95.5	95.5	91.2	89.1	84.9	87.0
87.5°	10.6	19.1	23.4	29.7	46.7	48.8	50.9	50.9	50.9	53.1	53.1
90°	3.3	5.9	8.6	9.2	14.5	21.6	25.1	22.3	16.8	12.6	12.6
92.5°	13.2	35.7	58.3	63.9	89.9	124.4	141.6	124.1	89.1	62.9	60.4
95°	31.8	73.0	114.2	124.5	221.0	349.7	414.1	369.5	280.4	213.5	206.0
97.5°	54.9	91.2	127.6	136.7	297.7	512.3	619.7	591.5	535.1	492.9	478.4
100°	72.8	105.8	138.7	146.9	325.6	563.8	682.9	685.0	689.1	692.1	674.9
102.5°	88.1	118.8	149.5	157.2	338.4	580.0	700.8	736.7	808.5	862.3	847.6
105°	113.9	139.9	166.0	172.5	347.9	581.9	698.8	779.2	940.2	1060.9	1053.0
107.5°	140.4	164.6	188.9	195.0	349.6	555.9	659.0	771.3	995.8	1164.2	1166.1
110°	158.2	180.1	202.1	207.6	347.1	533.0	625.9	751.4	1002.4	1190.6	1198.9



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	175.8	196.7	217.5	222.8	347.1	513.0	595.8	724.2	981.1	1173.7	1186.4
115°	202.3	221.5	240.8	245.6	350.3	490.0	559.8	683.5	930.9	1116.5	1134.0
117.5°	228.4	245.9	263.4	267.8	356.9	475.5	534.9	646.6	869.9	1037.4	1056.8
120°	243.6	260.1	276.6	280.7	362.2	470.7	525.0	627.0	831.0	984.1	1002.9
122.5°	258.5	275.1	291.7	295.9	369.7	468.1	517.4	609.2	793.0	930.8	949.5
125°	281.4	296.5	311.6	315.4	380.0	466.1	509.1	587.2	743.3	860.3	877.5
127.5°	299.9	315.2	330.4	334.3	390.3	464.9	502.1	569.2	703.2	803.7	818.2
130°	309.8	326.3	342.8	346.9	397.7	465.6	499.5	559.1	678.5	767.9	781.3
132.5°	320.1	336.5	353.1	357.2	403.8	466.1	497.2	550.6	657.4	737.5	749.4
135°	335.3	350.3	365.3	369.1	410.4	465.6	493.2	537.9	627.4	694.4	704.8
137.5°	350.9	365.8	380.6	384.3	420.4	468.5	492.6	530.4	606.0	662.7	671.1
140°	363.8	377.5	391.1	394.6	426.5	469.0	490.2	522.9	588.2	637.2	645.0
142.5°	373.7	386.3	399.0	402.1	431.5	470.6	490.2	518.9	576.3	619.4	626.2
145°	389.0	400.0	411.1	413.8	438.2	470.7	486.9	510.4	557.4	592.5	597.7
147.5°	404.1	414.9	425.7	428.3	447.8	473.9	486.9	505.4	542.3	570.0	574.2
150°	414.1	423.8	433.5	435.9	453.0	475.6	486.9	502.5	533.8	557.1	560.6
152.5°	424.4	431.8	439.1	440.9	456.3	476.7	486.9	500.3	526.8	546.8	549.5
155°	439.6	445.0	450.5	451.8	463.6	479.2	486.9	497.5	518.7	534.6	536.3
157.5°	450.8	456.1	461.4	462.8	470.8	481.6	486.9	495.1	511.6	524.0	525.2
160°	458.4	462.6	466.7	467.7	474.2	482.7	486.9	494.0	508.1	518.7	519.4
162.5°	466.1	469.2	472.2	473.0	477.7	483.9	486.9	492.9	504.8	513.8	514.4
165°	474.3	477.1	479.9	480.6	482.7	485.5	486.9	491.2	499.7	506.1	506.9
167.5°	482.0	483.2	484.6	484.9	486.7	489.0	490.2	493.0	498.7	502.8	503.2
170°	486.9	488.2	489.6	489.9	490.0	490.2	490.2	493.0	498.7	502.8	502.8
172.5°	489.6	489.9	490.2	490.2	490.2	490.2	490.2	492.5	496.9	500.2	499.9
175°	493.2	493.2	493.2	493.2	492.2	490.9	490.2	491.6	494.4	496.5	496.5
177.5°	493.2	493.2	493.2	493.2	492.4	491.4	490.9	492.0	494.2	495.9	495.5
180°	493.2	493.2	493.2	493.2	493.2	493.2	493.2	493.2	493.2	493.2	493.2



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2242.9	2242.9	2242.9	2242.9	2242.9	2242.9	2242.9	2242.9	2242.9	2242.9	2242.9
2.5°	2300.1	2293.8	2300.1	2295.9	2298.0	2291.7	2272.6	2266.2	2272.6	2278.9	2278.9
5°	2327.7	2323.5	2327.7	2327.7	2325.6	2321.4	2300.1	2295.9	2300.1	2302.3	2298.0
7.5°	2336.2	2329.8	2336.2	2332.0	2332.0	2327.7	2306.5	2302.3	2304.4	2310.8	2304.4
10°	2336.2	2329.8	2336.2	2334.1	2332.0	2327.7	2306.5	2298.0	2298.0	2304.4	2298.0
12.5°	2325.6	2321.4	2325.6	2321.4	2321.4	2317.1	2295.9	2287.4	2289.5	2291.7	2283.2
15°	2308.6	2302.3	2308.6	2304.4	2306.5	2300.1	2276.8	2268.3	2268.3	2272.6	2257.7
17.5°	2283.2	2274.7	2283.2	2281.1	2278.9	2274.7	2253.5	2244.9	2242.9	2244.9	2234.3
20°	2253.5	2247.1	2253.5	2251.4	2251.4	2242.9	2221.7	2211.1	2211.1	2211.1	2200.4
22.5°	2206.8	2200.4	2206.8	2211.1	2211.1	2208.9	2189.8	2174.9	2170.7	2170.7	2158.0
25°	2153.7	2147.4	2153.7	2153.7	2151.6	2153.7	2147.4	2138.9	2132.5	2126.2	2113.4
27.5°	2102.8	2098.6	2102.8	2098.6	2102.8	2096.5	2094.3	2092.2	2083.7	2077.4	2060.3
30°	2051.9	2047.6	2051.9	2047.6	2043.4	2039.1	2028.5	2024.3	2032.8	2028.5	2001.0
32.5°	1988.2	1984.0	1988.2	1988.2	1984.0	1984.0	1967.0	1960.6	1962.8	1975.5	1950.0
35°	1922.5	1916.1	1922.5	1920.3	1922.5	1916.1	1905.4	1903.4	1894.8	1909.7	1890.6
37.5°	1846.1	1839.7	1846.1	1846.1	1846.1	1850.3	1841.8	1835.4	1822.7	1841.8	1827.0
40°	1767.6	1759.1	1767.6	1765.4	1767.6	1771.8	1767.6	1763.3	1750.5	1765.4	1752.7
42.5°	1678.4	1676.3	1678.4	1680.5	1680.5	1689.0	1695.4	1686.9	1682.7	1672.1	1680.5
45°	1583.0	1578.7	1583.0	1587.2	1589.3	1593.6	1612.7	1612.7	1606.3	1589.3	1602.1
47.5°	1481.1	1470.5	1481.1	1493.8	1493.8	1500.2	1519.3	1534.1	1523.5	1502.3	1508.7
50°	1372.9	1375.0	1372.9	1381.3	1381.3	1404.7	1419.5	1434.4	1445.0	1419.5	1389.8
52.5°	1266.8	1264.6	1266.8	1273.2	1281.7	1292.3	1317.7	1332.6	1349.5	1334.7	1288.0
55°	1160.7	1164.9	1160.7	1162.8	1167.1	1173.4	1211.6	1226.4	1258.3	1239.2	1190.4
57.5°	1054.6	1048.2	1054.6	1058.8	1060.9	1067.3	1099.1	1126.8	1145.8	1148.0	1088.5
60°	931.5	923.0	931.5	950.6	954.8	959.1	988.8	1014.3	1031.2	1037.6	976.0
62.5°	823.3	808.5	823.3	836.0	844.5	855.1	876.3	914.5	929.4	931.5	844.5
65°	708.7	702.4	708.7	734.2	736.3	749.0	772.4	799.9	831.7	827.6	702.4
67.5°	604.7	604.7	604.7	621.7	634.5	640.8	670.5	683.3	723.6	727.8	585.6
70°	509.3	507.2	509.3	522.0	530.5	545.3	572.9	587.8	619.6	630.2	475.3
72.5°	418.0	415.9	418.0	428.6	437.1	449.8	473.2	490.2	517.8	530.5	369.2
75°	337.4	333.2	337.4	345.9	343.8	360.7	379.8	396.8	422.3	430.7	273.7
77.5°	258.9	258.9	258.9	267.4	267.4	284.3	292.9	314.1	328.9	341.6	201.6
80°	193.1	191.0	193.1	195.2	195.2	203.7	218.6	233.4	246.1	246.1	138.0
82.5°	135.8	131.5	135.8	135.8	135.8	140.0	148.6	152.8	161.2	167.7	87.0
85°	84.9	84.9	84.9	87.0	84.9	89.1	91.2	95.5	95.5	91.2	53.1
87.5°	55.2	53.1	55.2	53.1	53.1	50.9	50.9	50.9	48.8	46.7	29.7
90°	12.6	12.6	12.6	12.6	12.6	16.8	22.3	25.1	21.6	14.5	9.2
92.5°	50.3	40.4	50.3	60.4	62.9	89.1	124.1	141.6	124.4	89.9	63.9
95°	175.6	145.3	175.6	206.0	213.5	280.4	369.5	414.1	349.7	221.0	124.5
97.5°	420.8	363.1	420.8	478.4	492.9	535.1	591.5	619.7	512.3	297.7	136.7
100°	606.3	537.5	606.3	674.9	692.1	689.1	685.0	682.9	563.8	325.6	146.9
102.5°	788.7	729.8	788.7	847.6	862.3	808.5	736.7	700.8	580.0	338.4	157.2
105°	1021.3	989.7	1021.3	1053.0	1060.9	940.2	779.2	698.8	581.9	347.9	172.5
107.5°	1173.7	1181.4	1173.7	1166.1	1164.2	995.8	771.3	659.0	555.9	349.6	195.0
110°	1231.8	1264.8	1231.8	1198.9	1190.6	1002.4	751.4	625.9	533.0	347.1	207.6





TEST NUMBER: P934452

CATALOG NUMBER: SQ4-FA-050U-100D-930-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	1237.0	1287.6	1237.0	1186.4	1173.7	981.1	724.2	595.8	513.0	347.1	222.8
115°	1204.2	1274.4	1204.2	1134.0	1116.5	930.9	683.5	559.8	490.0	350.3	245.6
117.5°	1134.7	1212.5	1134.7	1056.8	1037.4	869.9	646.6	534.9	475.5	356.9	267.8
120°	1078.6	1154.2	1078.6	1002.9	984.1	831.0	627.0	525.0	470.7	362.2	280.7
122.5°	1024.1	1098.7	1024.1	949.5	930.8	793.0	609.2	517.4	468.1	369.7	295.9
125°	946.2	1014.9	946.2	877.5	860.3	743.3	587.2	509.1	466.1	380.0	315.4
127.5°	876.2	934.1	876.2	818.2	803.7	703.2	569.2	502.1	464.9	390.3	334.3
130°	834.9	888.4	834.9	781.3	767.9	678.5	559.1	499.5	465.6	397.7	346.9
132.5°	797.5	845.4	797.5	749.4	737.5	657.4	550.6	497.2	466.1	403.8	357.2
135°	746.1	787.5	746.1	704.8	694.4	627.4	537.9	493.2	465.6	410.4	369.1
137.5°	705.0	738.8	705.0	671.1	662.7	606.0	530.4	492.6	468.5	420.4	384.3
140°	676.7	708.3	676.7	645.0	637.2	588.2	522.9	490.2	469.0	426.5	394.6
142.5°	653.3	680.5	653.3	626.2	619.4	576.3	518.9	490.2	470.6	431.5	402.1
145°	618.3	638.9	618.3	597.7	592.5	557.4	510.4	486.9	470.7	438.2	413.8
147.5°	591.3	608.4	591.3	574.2	570.0	542.3	505.4	486.9	473.9	447.8	428.3
150°	574.4	588.2	574.4	560.6	557.1	533.8	502.5	486.9	475.6	453.0	435.9
152.5°	559.9	570.4	559.9	549.5	546.8	526.8	500.3	486.9	476.7	456.3	440.9
155°	543.2	550.1	543.2	536.3	534.6	518.7	497.5	486.9	479.2	463.6	451.8
157.5°	530.1	534.9	530.1	525.2	524.0	511.6	495.1	486.9	481.6	470.8	462.8
160°	522.2	525.0	522.2	519.4	518.7	508.1	494.0	486.9	482.7	474.2	467.7
162.5°	517.1	519.7	517.1	514.4	513.8	504.8	492.9	486.9	483.9	477.7	473.0
165°	509.6	512.4	509.6	506.9	506.1	499.7	491.2	486.9	485.5	482.7	480.6
167.5°	504.3	505.5	504.3	503.2	502.8	498.7	493.0	490.2	489.0	486.7	484.9
170°	502.8	502.8	502.8	502.8	502.8	498.7	493.0	490.2	490.2	490.0	489.9
172.5°	498.9	497.9	498.9	499.9	500.2	496.9	492.5	490.2	490.2	490.2	490.2
175°	496.5	496.5	496.5	496.5	496.5	494.4	491.6	490.2	490.9	492.2	493.2
177.5°	494.4	493.2	494.4	495.5	495.9	494.2	492.0	490.9	491.4	492.4	493.2
180°	493.2	493.2	493.2	493.2	493.2	493.2	493.2	493.2	493.2	493.2	493.2



TEST NUMBER: P934452

CATALOG NUMBER: SQ4-FA-050U-100D-930-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2242.9	2242.9	2242.9	2242.9	2242.9	2242.9	2242.9	2242.9	2242.9	2242.9	2242.9
2.5°	2274.7	2262.0	2262.0	2240.8	2232.3	2225.9	2215.2	2183.4	2174.9	2166.5	2179.2
5°	2293.8	2270.4	2253.5	2215.2	2183.4	2170.7	2130.4	2054.0	2003.1	1964.9	1943.7
7.5°	2298.0	2268.3	2236.5	2177.1	2100.6	2066.8	1943.7	1803.6	1765.4	1731.5	1710.2
10°	2293.8	2259.8	2215.2	2126.2	1945.7	1886.4	1763.3	1672.1	1648.7	1642.4	1648.7
12.5°	2278.9	2247.1	2185.5	2037.1	1784.5	1744.2	1672.1	1619.0	1614.8	1625.4	1682.7
15°	2253.5	2223.7	2151.6	1918.2	1695.4	1665.7	1614.8	1595.6	1619.0	1693.3	1865.1
17.5°	2228.0	2194.0	2104.9	1801.5	1627.5	1606.3	1570.2	1608.4	1739.9	1839.7	1897.0
20°	2194.0	2153.7	2051.9	1716.7	1578.7	1559.6	1542.6	1714.5	1814.2	1850.3	1882.2
22.5°	2153.7	2111.3	1979.7	1657.2	1527.8	1512.9	1523.5	1773.9	1814.2	1839.7	1867.3
25°	2100.6	2064.6	1894.8	1610.5	1487.5	1470.5	1510.8	1767.6	1790.9	1797.3	1852.4
27.5°	2051.9	2005.2	1805.7	1568.1	1438.7	1432.3	1521.4	1739.9	1757.0	1763.3	1822.7
30°	1992.5	1922.5	1706.0	1523.5	1387.7	1385.6	1523.5	1706.0	1701.8	1718.7	1778.2
32.5°	1931.0	1799.4	1593.6	1468.4	1338.9	1336.8	1508.7	1655.1	1650.8	1674.2	1718.7
35°	1873.6	1703.9	1440.7	1404.7	1277.4	1279.5	1472.6	1595.6	1597.8	1619.0	1646.6
37.5°	1814.2	1621.1	1273.2	1334.7	1218.0	1218.0	1423.8	1540.5	1536.3	1542.6	1580.8
40°	1744.2	1491.7	1124.6	1243.4	1162.8	1156.4	1364.4	1481.1	1466.2	1464.1	1517.2
42.5°	1669.9	1349.5	1014.3	1122.5	1099.1	1090.6	1292.3	1408.9	1381.3	1387.7	1455.6
45°	1589.3	1311.3	929.4	948.5	1033.4	1027.0	1213.7	1326.2	1307.1	1324.1	1394.1
47.5°	1508.7	1234.9	901.8	787.3	963.4	961.2	1126.8	1245.5	1234.9	1252.0	1326.2
50°	1398.3	1150.1	899.7	674.8	884.8	893.3	1022.8	1167.1	1167.1	1181.9	1260.4
52.5°	1256.1	1046.1	817.0	611.1	793.6	819.1	931.5	1099.1	1103.4	1118.3	1188.3
55°	1126.8	937.9	757.6	562.3	685.4	740.5	842.4	1029.1	1037.6	1052.5	1116.1
57.5°	1007.9	780.8	744.8	505.0	585.6	638.7	763.9	961.2	965.4	978.2	1039.7
60°	880.6	564.4	683.3	443.5	498.7	539.0	691.7	880.6	895.4	903.9	957.0
62.5°	736.3	409.5	619.6	401.0	456.2	464.7	632.4	804.2	823.3	829.7	861.5
65°	524.1	343.8	526.2	365.0	411.6	413.8	568.7	725.7	742.7	753.3	776.6
67.5°	354.4	280.1	401.0	331.0	377.7	379.8	507.2	634.5	657.8	666.2	681.1
70°	246.1	186.7	297.0	294.9	339.5	343.8	441.3	551.7	572.9	579.3	587.8
72.5°	180.4	150.6	246.1	265.2	299.2	303.5	373.5	458.4	479.6	485.9	490.2
75°	138.0	159.2	199.5	231.3	254.6	256.7	305.5	373.5	388.3	392.6	394.7
77.5°	110.3	148.6	146.4	186.7	208.0	203.7	239.8	288.6	301.3	301.3	301.3
80°	82.8	116.7	110.3	133.7	152.8	148.6	171.8	205.8	210.1	214.3	212.2
82.5°	61.5	74.3	74.3	84.9	101.8	97.6	114.6	133.7	133.7	133.7	138.0
85°	38.2	42.4	34.0	44.6	57.3	55.2	63.7	72.1	74.3	74.3	70.0
87.5°	23.4	19.1	10.6	16.9	25.5	25.5	29.7	31.8	29.7	29.7	29.7
90°	8.6	5.9	3.3	5.9	8.6	9.2	14.5	21.6	25.1	22.3	16.8
92.5°	58.3	35.7	13.2	35.7	58.3	63.9	89.9	124.4	141.6	124.1	89.1
95°	114.2	73.0	31.8	73.0	114.2	124.5	221.0	349.7	414.1	369.5	280.4
97.5°	127.6	91.2	54.9	91.2	127.6	136.7	297.7	512.3	619.7	591.5	535.1
100°	138.7	105.8	72.8	105.8	138.7	146.9	325.6	563.8	682.9	685.0	689.1
102.5°	149.5	118.8	88.1	118.8	149.5	157.2	338.4	580.0	700.8	736.7	808.5
105°	166.0	139.9	113.9	139.9	166.0	172.5	347.9	581.9	698.8	779.2	940.2
107.5°	188.9	164.6	140.4	164.6	188.9	195.0	349.6	555.9	659.0	771.3	995.8
110°	202.1	180.1	158.2	180.1	202.1	207.6	347.1	533.0	625.9	751.4	1002.4



TEST NUMBER: P934452

CATALOG NUMBER: SQ4-FA-050U-100D-930-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	217.5	196.7	175.8	196.7	217.5	222.8	347.1	513.0	595.8	724.2	981.1
115°	240.8	221.5	202.3	221.5	240.8	245.6	350.3	490.0	559.8	683.5	930.9
117.5°	263.4	245.9	228.4	245.9	263.4	267.8	356.9	475.5	534.9	646.6	869.9
120°	276.6	260.1	243.6	260.1	276.6	280.7	362.2	470.7	525.0	627.0	831.0
122.5°	291.7	275.1	258.5	275.1	291.7	295.9	369.7	468.1	517.4	609.2	793.0
125°	311.6	296.5	281.4	296.5	311.6	315.4	380.0	466.1	509.1	587.2	743.3
127.5°	330.4	315.2	299.9	315.2	330.4	334.3	390.3	464.9	502.1	569.2	703.2
130°	342.8	326.3	309.8	326.3	342.8	346.9	397.7	465.6	499.5	559.1	678.5
132.5°	353.1	336.5	320.1	336.5	353.1	357.2	403.8	466.1	497.2	550.6	657.4
135°	365.3	350.3	335.3	350.3	365.3	369.1	410.4	465.6	493.2	537.9	627.4
137.5°	380.6	365.8	350.9	365.8	380.6	384.3	420.4	468.5	492.6	530.4	606.0
140°	391.1	377.5	363.8	377.5	391.1	394.6	426.5	469.0	490.2	522.9	588.2
142.5°	399.0	386.3	373.7	386.3	399.0	402.1	431.5	470.6	490.2	518.9	576.3
145°	411.1	400.0	389.0	400.0	411.1	413.8	438.2	470.7	486.9	510.4	557.4
147.5°	425.7	414.9	404.1	414.9	425.7	428.3	447.8	473.9	486.9	505.4	542.3
150°	433.5	423.8	414.1	423.8	433.5	435.9	453.0	475.6	486.9	502.5	533.8
152.5°	439.1	431.8	424.4	431.8	439.1	440.9	456.3	476.7	486.9	500.3	526.8
155°	450.5	445.0	439.6	445.0	450.5	451.8	463.6	479.2	486.9	497.5	518.7
157.5°	461.4	456.1	450.8	456.1	461.4	462.8	470.8	481.6	486.9	495.1	511.6
160°	466.7	462.6	458.4	462.6	466.7	467.7	474.2	482.7	486.9	494.0	508.1
162.5°	472.2	469.2	466.1	469.2	472.2	473.0	477.7	483.9	486.9	492.9	504.8
165°	479.9	477.1	474.3	477.1	479.9	480.6	482.7	485.5	486.9	491.2	499.7
167.5°	484.6	483.2	482.0	483.2	484.6	484.9	486.7	489.0	490.2	493.0	498.7
170°	489.6	488.2	486.9	488.2	489.6	489.9	490.0	490.2	490.2	493.0	498.7
172.5°	490.2	489.9	489.6	489.9	490.2	490.2	490.2	490.2	490.2	492.5	496.9
175°	493.2	493.2	493.2	493.2	493.2	493.2	492.2	490.9	490.2	491.6	494.4
177.5°	493.2	493.2	493.2	493.2	493.2	493.2	492.4	491.4	490.9	492.0	494.2
180°	493.2	493.2	493.2	493.2	493.2	493.2	493.2	493.2	493.2	493.2	493.2



TEST NUMBER: P934452  
 CATALOG NUMBER: SQ4-FA-050U-100D-930-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2242.9	2242.9	2242.9	2242.9	2242.9	2242.9	2242.9	2242.9	2242.9	2242.9	2242.9
2.5°	2164.3	2158.0	2166.5	2143.1	2166.5	2158.0	2164.3	2179.2	2166.5	2174.9	2183.4
5°	1899.1	1888.5	1854.5	1827.0	1854.5	1888.5	1899.1	1943.7	1964.9	2003.1	2054.0
7.5°	1697.5	1689.0	1680.5	1663.6	1680.5	1689.0	1697.5	1710.2	1731.5	1765.4	1803.6
10°	1653.0	1655.1	1667.8	1665.7	1667.8	1655.1	1653.0	1648.7	1642.4	1648.7	1672.1
12.5°	1767.6	1786.7	1856.7	1852.4	1856.7	1786.7	1767.6	1682.7	1625.4	1614.8	1619.0
15°	1899.1	1905.4	1920.3	1922.5	1920.3	1905.4	1899.1	1865.1	1693.3	1619.0	1595.6
17.5°	1911.9	1914.0	1924.6	1924.6	1924.6	1914.0	1911.9	1897.0	1839.7	1739.9	1608.4
20°	1901.3	1905.4	1926.7	1931.0	1926.7	1905.4	1901.3	1882.2	1850.3	1814.2	1714.5
22.5°	1897.0	1905.4	1922.5	1920.3	1922.5	1905.4	1897.0	1867.3	1839.7	1814.2	1773.9
25°	1875.7	1875.7	1877.9	1880.0	1877.9	1875.7	1875.7	1852.4	1797.3	1790.9	1767.6
27.5°	1831.2	1835.4	1848.2	1846.1	1848.2	1835.4	1831.2	1822.7	1763.3	1757.0	1739.9
30°	1790.9	1786.7	1776.0	1767.6	1776.0	1786.7	1790.9	1778.2	1718.7	1701.8	1706.0
32.5°	1723.0	1712.4	1701.8	1695.4	1701.8	1712.4	1723.0	1718.7	1674.2	1650.8	1655.1
35°	1642.4	1644.5	1642.4	1636.0	1642.4	1644.5	1642.4	1646.6	1619.0	1597.8	1595.6
37.5°	1585.0	1589.3	1587.2	1578.7	1587.2	1589.3	1585.0	1580.8	1542.6	1536.3	1540.5
40°	1525.6	1527.8	1525.6	1519.3	1525.6	1527.8	1525.6	1517.2	1464.1	1466.2	1481.1
42.5°	1468.4	1466.2	1459.9	1455.6	1459.9	1466.2	1468.4	1455.6	1387.7	1381.3	1408.9
45°	1402.6	1404.7	1392.0	1385.6	1392.0	1404.7	1402.6	1394.1	1324.1	1307.1	1326.2
47.5°	1336.8	1336.8	1326.2	1319.8	1326.2	1336.8	1336.8	1326.2	1252.0	1234.9	1245.5
50°	1266.8	1264.6	1249.8	1247.7	1249.8	1264.6	1266.8	1260.4	1181.9	1167.1	1167.1
52.5°	1186.1	1186.1	1188.3	1192.5	1188.3	1186.1	1186.1	1188.3	1118.3	1103.4	1099.1
55°	1116.1	1118.3	1133.1	1137.4	1133.1	1118.3	1116.1	1116.1	1052.5	1037.6	1029.1
57.5°	1044.0	1044.0	1054.6	1054.6	1054.6	1044.0	1044.0	1039.7	978.2	965.4	961.2
60°	961.2	965.4	974.0	971.9	974.0	965.4	961.2	957.0	903.9	895.4	880.6
62.5°	874.2	878.5	880.6	876.3	880.6	878.5	874.2	861.5	829.7	823.3	804.2
65°	783.0	787.3	789.3	785.1	789.3	787.3	783.0	776.6	753.3	742.7	725.7
67.5°	689.6	687.5	685.4	693.9	685.4	687.5	689.6	681.1	666.2	657.8	634.5
70°	594.1	594.1	592.0	596.2	592.0	594.1	594.1	587.8	579.3	572.9	551.7
72.5°	492.3	490.2	498.7	492.3	498.7	490.2	492.3	490.2	485.9	479.6	458.4
75°	392.6	396.8	392.6	398.9	392.6	396.8	392.6	394.7	392.6	388.3	373.5
77.5°	299.2	303.5	299.2	299.2	299.2	303.5	299.2	301.3	301.3	301.3	288.6
80°	212.2	210.1	210.1	208.0	210.1	210.1	212.2	212.2	214.3	210.1	205.8
82.5°	135.8	133.7	133.7	138.0	133.7	133.7	135.8	138.0	133.7	133.7	133.7
85°	74.3	76.4	72.1	72.1	72.1	76.4	74.3	70.0	74.3	74.3	72.1
87.5°	27.6	25.5	25.5	25.5	25.5	25.5	27.6	29.7	29.7	29.7	31.8
90°	12.6	12.6	12.6	12.6	12.6	12.6	12.6	16.8	22.3	25.1	21.6
92.5°	62.9	60.4	50.3	40.4	50.3	60.4	62.9	89.1	124.1	141.6	124.4
95°	213.5	206.0	175.6	145.3	175.6	206.0	213.5	280.4	369.5	414.1	349.7
97.5°	492.9	478.4	420.8	363.1	420.8	478.4	492.9	535.1	591.5	619.7	512.3
100°	692.1	674.9	606.3	537.5	606.3	674.9	692.1	689.1	685.0	682.9	563.8
102.5°	862.3	847.6	788.7	729.8	788.7	847.6	862.3	808.5	736.7	700.8	580.0
105°	1060.9	1053.0	1021.3	989.7	1021.3	1053.0	1060.9	940.2	779.2	698.8	581.9
107.5°	1164.2	1166.1	1173.7	1181.4	1173.7	1166.1	1164.2	995.8	771.3	659.0	555.9
110°	1190.6	1198.9	1231.8	1264.8	1231.8	1198.9	1190.6	1002.4	751.4	625.9	533.0



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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1173.7	1186.4	1237.0	1287.6	1237.0	1186.4	1173.7	981.1	724.2	595.8	513.0
115°	1116.5	1134.0	1204.2	1274.4	1204.2	1134.0	1116.5	930.9	683.5	559.8	490.0
117.5°	1037.4	1056.8	1134.7	1212.5	1134.7	1056.8	1037.4	869.9	646.6	534.9	475.5
120°	984.1	1002.9	1078.6	1154.2	1078.6	1002.9	984.1	831.0	627.0	525.0	470.7
122.5°	930.8	949.5	1024.1	1098.7	1024.1	949.5	930.8	793.0	609.2	517.4	468.1
125°	860.3	877.5	946.2	1014.9	946.2	877.5	860.3	743.3	587.2	509.1	466.1
127.5°	803.7	818.2	876.2	934.1	876.2	818.2	803.7	703.2	569.2	502.1	464.9
130°	767.9	781.3	834.9	888.4	834.9	781.3	767.9	678.5	559.1	499.5	465.6
132.5°	737.5	749.4	797.5	845.4	797.5	749.4	737.5	657.4	550.6	497.2	466.1
135°	694.4	704.8	746.1	787.5	746.1	704.8	694.4	627.4	537.9	493.2	465.6
137.5°	662.7	671.1	705.0	738.8	705.0	671.1	662.7	606.0	530.4	492.6	468.5
140°	637.2	645.0	676.7	708.3	676.7	645.0	637.2	588.2	522.9	490.2	469.0
142.5°	619.4	626.2	653.3	680.5	653.3	626.2	619.4	576.3	518.9	490.2	470.6
145°	592.5	597.7	618.3	638.9	618.3	597.7	592.5	557.4	510.4	486.9	470.7
147.5°	570.0	574.2	591.3	608.4	591.3	574.2	570.0	542.3	505.4	486.9	473.9
150°	557.1	560.6	574.4	588.2	574.4	560.6	557.1	533.8	502.5	486.9	475.6
152.5°	546.8	549.5	559.9	570.4	559.9	549.5	546.8	526.8	500.3	486.9	476.7
155°	534.6	536.3	543.2	550.1	543.2	536.3	534.6	518.7	497.5	486.9	479.2
157.5°	524.0	525.2	530.1	534.9	530.1	525.2	524.0	511.6	495.1	486.9	481.6
160°	518.7	519.4	522.2	525.0	522.2	519.4	518.7	508.1	494.0	486.9	482.7
162.5°	513.8	514.4	517.1	519.7	517.1	514.4	513.8	504.8	492.9	486.9	483.9
165°	506.1	506.9	509.6	512.4	509.6	506.9	506.1	499.7	491.2	486.9	485.5
167.5°	502.8	503.2	504.3	505.5	504.3	503.2	502.8	498.7	493.0	490.2	489.0
170°	502.8	502.8	502.8	502.8	502.8	502.8	502.8	498.7	493.0	490.2	490.2
172.5°	500.2	499.9	498.9	497.9	498.9	499.9	500.2	496.9	492.5	490.2	490.2
175°	496.5	496.5	496.5	496.5	496.5	496.5	496.5	494.4	491.6	490.2	490.9
177.5°	495.9	495.5	494.4	493.2	494.4	495.5	495.9	494.2	492.0	490.9	491.4
180°	493.2	493.2	493.2	493.2	493.2	493.2	493.2	493.2	493.2	493.2	493.2



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	2242.9	2242.9	2242.9	2242.9	2242.9
2.5°	2215.2	2225.9	2232.3	2240.8	2262.0
5°	2130.4	2170.7	2183.4	2215.2	2253.5
7.5°	1943.7	2066.8	2100.6	2177.1	2236.5
10°	1763.3	1886.4	1945.7	2126.2	2215.2
12.5°	1672.1	1744.2	1784.5	2037.1	2185.5
15°	1614.8	1665.7	1695.4	1918.2	2151.6
17.5°	1570.2	1606.3	1627.5	1801.5	2104.9
20°	1542.6	1559.6	1578.7	1716.7	2051.9
22.5°	1523.5	1512.9	1527.8	1657.2	1979.7
25°	1510.8	1470.5	1487.5	1610.5	1894.8
27.5°	1521.4	1432.3	1438.7	1568.1	1805.7
30°	1523.5	1385.6	1387.7	1523.5	1706.0
32.5°	1508.7	1336.8	1338.9	1468.4	1593.6
35°	1472.6	1279.5	1277.4	1404.7	1440.7
37.5°	1423.8	1218.0	1218.0	1334.7	1273.2
40°	1364.4	1156.4	1162.8	1243.4	1124.6
42.5°	1292.3	1090.6	1099.1	1122.5	1014.3
45°	1213.7	1027.0	1033.4	948.5	929.4
47.5°	1126.8	961.2	963.4	787.3	901.8
50°	1022.8	893.3	884.8	674.8	899.7
52.5°	931.5	819.1	793.6	611.1	817.0
55°	842.4	740.5	685.4	562.3	757.6
57.5°	763.9	638.7	585.6	505.0	744.8
60°	691.7	539.0	498.7	443.5	683.3
62.5°	632.4	464.7	456.2	401.0	619.6
65°	568.7	413.8	411.6	365.0	526.2
67.5°	507.2	379.8	377.7	331.0	401.0
70°	441.3	343.8	339.5	294.9	297.0
72.5°	373.5	303.5	299.2	265.2	246.1
75°	305.5	256.7	254.6	231.3	199.5
77.5°	239.8	203.7	208.0	186.7	146.4
80°	171.8	148.6	152.8	133.7	110.3
82.5°	114.6	97.6	101.8	84.9	74.3
85°	63.7	55.2	57.3	44.6	34.0
87.5°	29.7	25.5	25.5	16.9	10.6
90°	14.5	9.2	8.6	5.9	3.3
92.5°	89.9	63.9	58.3	35.7	13.2
95°	221.0	124.5	114.2	73.0	31.8
97.5°	297.7	136.7	127.6	91.2	54.9
100°	325.6	146.9	138.7	105.8	72.8
102.5°	338.4	157.2	149.5	118.8	88.1
105°	347.9	172.5	166.0	139.9	113.9
107.5°	349.6	195.0	188.9	164.6	140.4
110°	347.1	207.6	202.1	180.1	158.2



TEST NUMBER: P934452

CATALOG NUMBER: SQ4-FA-050U-100D-930-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	347.1	222.8	217.5	196.7	175.8
115°	350.3	245.6	240.8	221.5	202.3
117.5°	356.9	267.8	263.4	245.9	228.4
120°	362.2	280.7	276.6	260.1	243.6
122.5°	369.7	295.9	291.7	275.1	258.5
125°	380.0	315.4	311.6	296.5	281.4
127.5°	390.3	334.3	330.4	315.2	299.9
130°	397.7	346.9	342.8	326.3	309.8
132.5°	403.8	357.2	353.1	336.5	320.1
135°	410.4	369.1	365.3	350.3	335.3
137.5°	420.4	384.3	380.6	365.8	350.9
140°	426.5	394.6	391.1	377.5	363.8
142.5°	431.5	402.1	399.0	386.3	373.7
145°	438.2	413.8	411.1	400.0	389.0
147.5°	447.8	428.3	425.7	414.9	404.1
150°	453.0	435.9	433.5	423.8	414.1
152.5°	456.3	440.9	439.1	431.8	424.4
155°	463.6	451.8	450.5	445.0	439.6
157.5°	470.8	462.8	461.4	456.1	450.8
160°	474.2	467.7	466.7	462.6	458.4
162.5°	477.7	473.0	472.2	469.2	466.1
165°	482.7	480.6	479.9	477.1	474.3
167.5°	486.7	484.9	484.6	483.2	482.0
170°	490.0	489.9	489.6	488.2	486.9
172.5°	490.2	490.2	490.2	489.9	489.6
175°	492.2	493.2	493.2	493.2	493.2
177.5°	492.4	493.2	493.2	493.2	493.2
180°	493.2	493.2	493.2	493.2	493.2



TEST NUMBER: P934452  
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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	14.19	15.20	15.01	16.04	17.09	17.03	18.03	17.85	18.88	19.93
	3H	14.68	15.58	15.51	16.44	17.51	18.39	19.29	19.22	20.14	21.22
	4H	14.87	15.73	15.73	16.59	17.68	18.84	19.69	19.69	20.55	21.64
	6H	15.00	15.79	15.86	16.66	17.76	19.13	19.92	20.00	20.79	21.89
	8H	15.01	15.76	15.88	16.64	17.74	19.21	19.96	20.08	20.85	21.95
	12H	14.98	15.70	15.86	16.58	17.70	19.26	19.97	20.13	20.85	21.98
4H	2H	15.24	16.10	16.10	16.96	18.04	17.45	18.31	18.31	19.17	20.25
	3H	16.28	16.99	17.15	17.89	18.99	18.97	19.69	19.84	20.58	21.68
	4H	16.56	17.21	17.44	18.10	19.23	19.51	20.16	20.39	21.05	22.18
	6H	16.70	17.26	17.59	18.17	19.30	19.89	20.45	20.78	21.36	22.49
	8H	16.71	17.23	17.60	18.14	19.28	20.00	20.52	20.90	21.43	22.57
	12H	16.68	17.15	17.60	18.08	19.23	20.06	20.53	20.98	21.46	22.61
8H	4H	17.03	17.55	17.93	18.46	19.61	19.65	20.17	20.54	21.08	22.22
	6H	17.30	17.73	18.22	18.68	19.83	20.09	20.52	21.02	21.48	22.62
	8H	17.34	17.73	18.28	18.67	19.83	20.25	20.63	21.18	21.57	22.73
	12H	17.33	17.67	18.27	18.61	19.82	20.35	20.69	21.29	21.63	22.84
12H	4H	17.04	17.52	17.96	18.44	19.59	19.62	20.09	20.54	21.02	22.17
	6H	17.36	17.74	18.30	18.69	19.85	20.09	20.47	21.02	21.42	22.58
	8H	17.43	17.77	18.37	18.71	19.92	20.26	20.60	21.20	21.53	22.74