

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: P935216

Luminaire Tested: SQ4-FA-100U-100D-835-1D-UNV-STD-W-8

Issue Date: 12/17/2024

**Test Information**

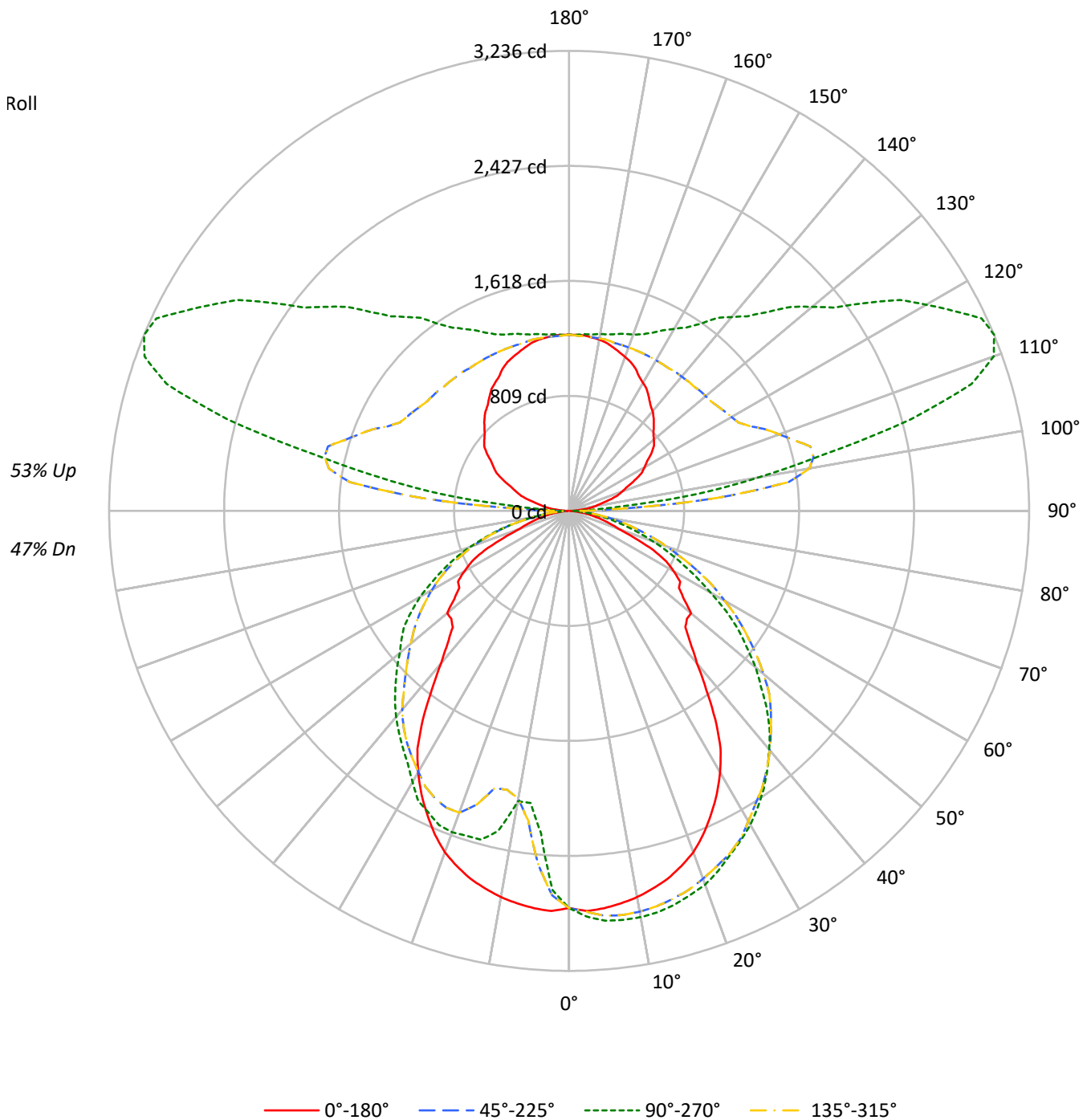
Test Method: LM-79-2019  
Report Number: P935216  
REPORT IS A COMBINATION OF REPORTS P933748 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-100U-100D-835-1D-UNV-STD-W-8  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 15282.0 lumens  
Efficiency: N/A  
Efficacy: 131.7 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: General Diffuse  
  
Input Watts (W): 116  
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				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	107	107	107	107	98	98	98	98	82	82	82	67	67	67	54	54	54	47	47	47	47
1	97	93	89	86	89	86	82	79	72	70	67	59	58	56	48	47	46	40	40	40	40
2	89	81	75	70	81	75	70	65	63	59	56	52	49	47	42	40	38	34	34	34	34
3	81	71	64	58	74	66	60	54	56	51	47	46	43	40	37	35	33	28	28	28	28
4	74	63	55	49	68	58	51	46	49	44	40	41	37	34	33	30	28	24	24	24	24
5	68	56	48	42	62	52	45	39	44	39	34	37	33	29	30	27	24	21	21	21	21
6	62	50	42	36	57	47	39	34	40	34	30	33	29	26	27	24	21	19	19	19	19
7	58	45	37	32	53	42	35	30	36	30	26	30	26	23	25	21	19	16	16	16	16
8	53	41	33	28	49	38	31	27	33	27	23	28	23	20	23	19	17	15	15	15	15
9	50	38	30	25	46	35	28	24	30	25	21	25	21	18	21	18	15	13	13	13	13
10	46	34	27	22	43	32	26	21	28	22	19	23	19	16	19	16	14	12	12	12	12

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

	0°	90°	180°	270°
0°	12959	12959	12959	12959
5°	13056	13081	13056	10286
10°	12968	12886	12968	9212
15°	12827	12607	12827	10527
20°	12559	12276	12559	10549
25°	12010	11794	12010	10325
30°	11300	11393	11300	9835
35°	10074	10887	10074	9295
40°	8394	10290	8394	8888
45°	7500	9592	7500	8419
50°	7968	8760	7968	7949
55°	7497	7863	7497	7677
60°	7728	6678	7728	7031
65°	7006	5520	7006	6170
70°	4851	4400	4851	5172
75°	4254	3252	4254	3894
80°	3428	2150	3428	2341
85°	1970	1139	1970	967

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 11496 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	252.1	1.6
10°-20°	715.9	4.7
20°-30°	1106.6	7.2
30°-40°	1321.0	8.6
40°-50°	1328.8	8.7
50°-60°	1156.2	7.6
60°-70°	819.8	5.4
70°-80°	433.7	2.8
80°-90°	112.7	0.7
90°-100°	604.2	4.0
100°-110°	1588.5	10.4
110°-120°	1647.1	10.8
120°-130°	1321.2	8.6
130°-140°	1036.6	6.8
140°-150°	795.7	5.2
150°-160°	573.0	3.7
160°-170°	350.6	2.3
170°-180°	118.4	0.8
0°-30°	2074.6	13.6
0°-40°	3395.6	22.2
0°-60°	5880.5	38.5
0°-90°	7246.7	47.4
90°-120°	3839.8	25.1
90°-150°	6993.2	45.8
90°-180°	8035.0	52.6
0°-180°	15282.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	2793	2793	2793	2793	2793	
5°	2806	2894	2806	2275	2806	266
15°	2680	2867	2680	2394	2680	754
25°	2360	2674	2360	2341	2360	1083
35°	1794	2386	1794	2037	1794	1110
45°	1157	1966	1157	1726	1157	927
55°	943	1451	943	1416	943	867
65°	655	875	655	978	655	626
75°	248	415	248	497	248	261
85°	42	106	42	90	42	57
90°	8	32	8	32	8	9
95°	80	365	80	365	80	89
105°	286	2487	286	2487	286	303
115°	508	3203	508	3203	508	502
125°	707	2551	707	2551	707	628
135°	843	1979	843	1979	843	652
145°	978	1606	978	1606	978	612
155°	1105	1383	1105	1383	1105	508
165°	1192	1288	1192	1288	1192	336
175°	1240	1248	1240	1248	1240	118
180°	1240	1240	1240	1240	1240	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2793.1	2793.1	2793.1	2793.1	2793.1	2793.1	2793.1	2793.1	2793.1	2793.1	2793.1
2.5°	2816.9	2816.9	2832.7	2838.0	2838.0	2830.1	2822.2	2830.1	2853.9	2861.8	2859.2
5°	2806.3	2827.4	2856.5	2861.8	2867.1	2864.4	2859.2	2864.4	2890.9	2896.2	2898.8
7.5°	2785.2	2824.8	2861.8	2869.7	2877.7	2869.7	2867.1	2872.4	2898.8	2904.1	2904.1
10°	2758.7	2814.2	2856.5	2861.8	2869.7	2861.8	2861.8	2872.4	2898.8	2904.1	2906.7
12.5°	2721.7	2798.4	2838.0	2843.3	2853.9	2851.2	2848.6	2859.2	2885.6	2890.9	2890.9
15°	2679.5	2769.3	2806.3	2811.6	2830.1	2824.8	2824.8	2835.4	2864.4	2872.4	2869.7
17.5°	2621.3	2732.3	2774.6	2782.5	2795.7	2793.1	2795.7	2806.3	2832.7	2838.0	2840.7
20°	2555.3	2682.1	2732.3	2740.2	2753.5	2753.5	2753.5	2766.7	2793.1	2803.7	2803.7
22.5°	2465.4	2629.3	2682.1	2687.4	2703.2	2703.2	2708.5	2727.0	2750.8	2753.5	2753.5
25°	2359.7	2571.1	2616.0	2631.9	2647.8	2655.7	2663.6	2674.2	2682.1	2679.5	2682.1
27.5°	2248.7	2497.1	2555.3	2565.8	2587.0	2594.9	2605.5	2608.1	2610.8	2618.7	2613.4
30°	2124.5	2394.1	2481.3	2491.9	2526.2	2531.5	2520.9	2526.2	2539.4	2544.7	2550.0
32.5°	1984.5	2240.8	2404.7	2428.4	2460.1	2444.3	2441.6	2449.6	2470.7	2470.7	2476.0
35°	1794.2	2121.9	2333.3	2354.4	2378.2	2359.7	2370.3	2372.9	2386.2	2394.1	2391.4
37.5°	1585.5	2018.8	2259.3	2275.2	2293.7	2269.9	2285.7	2293.7	2304.2	2299.0	2299.0
40°	1400.5	1857.7	2172.1	2182.7	2198.5	2180.0	2195.9	2201.2	2206.5	2201.2	2198.5
42.5°	1263.1	1680.6	2079.6	2092.8	2082.3	2095.5	2100.8	2111.3	2103.4	2092.8	2092.8
45°	1157.4	1633.0	1979.2	1995.1	1979.2	2000.4	2008.3	2008.3	1984.5	1979.2	1976.6
47.5°	1123.1	1537.9	1878.8	1878.8	1870.9	1897.3	1910.5	1892.0	1868.2	1860.3	1860.3
50°	1120.4	1432.2	1741.4	1730.8	1767.8	1799.5	1786.3	1767.8	1749.3	1720.2	1720.2
52.5°	1017.4	1302.7	1564.3	1604.0	1662.1	1680.6	1659.5	1641.0	1609.3	1596.1	1585.5
55°	943.4	1168.0	1403.2	1482.4	1543.2	1567.0	1527.3	1508.9	1461.3	1453.4	1448.1
57.5°	927.5	972.4	1255.2	1355.6	1429.6	1426.9	1403.2	1368.8	1329.2	1321.2	1318.6
60°	850.9	702.9	1096.6	1215.5	1292.2	1284.2	1263.1	1231.4	1194.4	1189.1	1183.8
62.5°	771.6	510.0	916.9	1051.7	1160.0	1157.4	1138.9	1091.3	1064.9	1051.7	1041.1
65°	655.3	428.1	652.7	874.7	1030.6	1035.8	996.2	961.9	932.8	916.9	914.3
67.5°	499.4	348.8	441.3	729.3	906.4	901.1	850.9	835.0	798.0	790.1	774.2
70°	369.9	232.5	306.5	591.9	784.8	771.6	732.0	713.5	679.1	660.6	650.0
72.5°	306.5	187.6	224.6	459.8	660.6	644.8	610.4	589.3	560.2	544.3	533.8
75°	248.4	198.2	171.8	340.9	536.4	525.9	494.1	473.0	449.2	428.1	430.7
77.5°	182.3	185.0	137.4	251.0	425.4	409.6	391.1	364.7	354.1	333.0	333.0
80°	137.4	145.3	103.1	171.8	306.5	306.5	290.7	272.2	253.7	243.1	243.1
82.5°	92.5	92.5	76.6	108.3	208.8	200.8	190.3	185.0	174.4	169.1	169.1
85°	42.3	52.8	47.6	66.1	113.6	118.9	118.9	113.6	111.0	105.7	108.3
87.5°	13.2	23.8	29.1	37.0	58.1	60.8	63.4	63.4	63.4	66.1	66.1
90°	8.3	15.0	21.6	23.3	36.6	54.3	63.2	56.2	42.1	31.6	31.6
92.5°	33.3	89.9	146.5	160.6	225.7	312.6	356.0	312.0	224.1	158.1	151.8
95°	79.9	183.4	286.9	312.8	555.4	878.9	1040.7	928.7	704.6	536.6	517.6
97.5°	138.1	229.4	320.8	343.6	748.2	1287.6	1557.3	1486.5	1344.9	1238.7	1202.5
100°	183.0	265.8	348.7	369.4	818.3	1416.9	1716.2	1721.4	1731.7	1739.5	1696.3
102.5°	221.3	298.5	375.8	395.1	850.4	1457.5	1761.1	1851.3	2031.8	2167.1	2130.1
105°	286.2	351.6	417.0	433.4	874.3	1462.2	1756.1	1958.3	2362.8	2666.2	2646.3
107.5°	352.7	413.7	474.7	490.0	878.8	1397.1	1656.3	1938.4	2502.6	2925.7	2930.5
110°	397.6	452.7	507.8	521.6	872.1	1339.4	1573.1	1888.5	2519.2	2992.3	3013.0



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	441.7	494.2	546.8	559.9	872.4	1289.1	1497.4	1820.2	2465.7	2949.9	2981.7
115°	508.3	556.7	605.2	617.3	880.4	1231.3	1406.7	1717.7	2339.6	2806.0	2850.1
117.5°	574.0	618.0	662.0	673.0	896.8	1195.1	1344.3	1624.9	2186.2	2607.1	2656.0
120°	612.3	653.7	695.1	705.4	910.1	1183.0	1319.4	1575.8	2088.6	2473.2	2520.7
122.5°	649.7	691.5	733.3	743.7	929.2	1176.5	1300.2	1531.1	1992.9	2339.3	2386.2
125°	707.1	745.2	783.3	792.8	955.0	1171.3	1279.4	1475.6	1867.9	2162.1	2205.3
127.5°	753.7	792.1	830.6	840.2	980.8	1168.3	1262.0	1430.4	1767.2	2019.8	2056.2
130°	778.6	820.0	861.4	871.8	999.6	1170.1	1255.3	1405.2	1705.1	1930.0	1963.6
132.5°	804.4	845.8	887.2	897.6	1014.9	1171.3	1249.5	1383.7	1652.1	1853.4	1883.5
135°	842.7	880.4	918.2	927.6	1031.6	1170.2	1239.5	1351.9	1576.7	1745.3	1771.3
137.5°	881.8	919.1	956.5	965.8	1056.5	1177.4	1237.8	1332.8	1522.9	1665.4	1686.7
140°	914.2	948.6	983.0	991.6	1071.7	1178.6	1232.0	1314.1	1478.3	1601.4	1621.3
142.5°	939.2	971.0	1002.8	1010.7	1084.5	1182.8	1232.0	1304.1	1448.3	1556.5	1573.6
145°	977.5	1005.2	1033.0	1039.9	1101.2	1182.9	1223.7	1282.7	1400.6	1489.1	1502.0
147.5°	1015.7	1042.7	1069.7	1076.5	1125.6	1191.0	1223.7	1270.1	1362.9	1432.5	1443.2
150°	1040.7	1065.1	1089.5	1095.6	1138.3	1195.2	1223.7	1262.9	1341.3	1400.1	1408.8
152.5°	1066.5	1085.0	1103.5	1108.1	1146.6	1198.0	1223.7	1257.2	1324.1	1374.3	1380.9
155°	1104.7	1118.4	1132.1	1135.5	1164.9	1204.1	1223.7	1250.3	1303.6	1343.5	1347.8
157.5°	1133.0	1146.3	1159.7	1163.0	1183.2	1210.2	1223.7	1244.4	1285.8	1316.9	1319.9
160°	1152.2	1162.6	1172.9	1175.5	1191.6	1213.0	1223.7	1241.5	1277.0	1303.6	1305.4
162.5°	1171.3	1179.1	1186.9	1188.8	1200.4	1215.9	1223.7	1238.7	1268.6	1291.1	1292.8
165°	1192.1	1199.1	1206.1	1207.9	1213.2	1220.2	1223.7	1234.4	1255.9	1272.0	1273.8
167.5°	1211.2	1214.5	1217.9	1218.7	1223.1	1229.0	1232.0	1239.0	1253.1	1263.6	1264.3
170°	1223.7	1227.0	1230.4	1231.2	1231.5	1231.8	1232.0	1239.0	1253.1	1263.6	1263.6
172.5°	1230.4	1231.1	1231.8	1232.0	1232.0	1232.0	1232.0	1237.6	1248.7	1257.0	1256.4
175°	1239.5	1239.5	1239.5	1239.5	1237.0	1233.7	1232.0	1235.5	1242.5	1247.8	1247.8
177.5°	1239.5	1239.5	1239.5	1239.5	1237.6	1235.0	1233.7	1236.5	1242.0	1246.2	1245.5
180°	1239.5	1239.5	1239.5	1239.5	1239.5	1239.5	1239.5	1239.5	1239.5	1239.5	1239.5



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2793.1	2793.1	2793.1	2793.1	2793.1	2793.1	2793.1	2793.1	2793.1	2793.1	2793.1
2.5°	2864.4	2856.5	2864.4	2859.2	2861.8	2853.9	2830.1	2822.2	2830.1	2838.0	2838.0
5°	2898.8	2893.5	2898.8	2898.8	2896.2	2890.9	2864.4	2859.2	2864.4	2867.1	2861.8
7.5°	2909.4	2901.4	2909.4	2904.1	2904.1	2898.8	2872.4	2867.1	2869.7	2877.7	2869.7
10°	2909.4	2901.4	2909.4	2906.7	2904.1	2898.8	2872.4	2861.8	2861.8	2869.7	2861.8
12.5°	2896.2	2890.9	2896.2	2890.9	2890.9	2885.6	2859.2	2848.6	2851.2	2853.9	2843.3
15°	2875.0	2867.1	2875.0	2869.7	2872.4	2864.4	2835.4	2824.8	2824.8	2830.1	2811.6
17.5°	2843.3	2832.7	2843.3	2840.7	2838.0	2832.7	2806.3	2795.7	2793.1	2795.7	2782.5
20°	2806.3	2798.4	2806.3	2803.7	2803.7	2793.1	2766.7	2753.5	2753.5	2753.5	2740.2
22.5°	2748.2	2740.2	2748.2	2753.5	2753.5	2750.8	2727.0	2708.5	2703.2	2703.2	2687.4
25°	2682.1	2674.2	2682.1	2682.1	2679.5	2682.1	2674.2	2663.6	2655.7	2647.8	2631.9
27.5°	2618.7	2613.4	2618.7	2613.4	2618.7	2610.8	2608.1	2605.5	2594.9	2587.0	2565.8
30°	2555.3	2550.0	2555.3	2550.0	2544.7	2539.4	2526.2	2520.9	2531.5	2526.2	2491.9
32.5°	2476.0	2470.7	2476.0	2476.0	2470.7	2470.7	2449.6	2441.6	2444.3	2460.1	2428.4
35°	2394.1	2386.2	2394.1	2391.4	2394.1	2386.2	2372.9	2370.3	2359.7	2378.2	2354.4
37.5°	2299.0	2291.0	2299.0	2299.0	2299.0	2304.2	2293.7	2285.7	2269.9	2293.7	2275.2
40°	2201.2	2190.6	2201.2	2198.5	2201.2	2206.5	2201.2	2195.9	2180.0	2198.5	2182.7
42.5°	2090.2	2087.6	2090.2	2092.8	2092.8	2103.4	2111.3	2100.8	2095.5	2082.3	2092.8
45°	1971.3	1966.0	1971.3	1976.6	1979.2	1984.5	2008.3	2008.3	2000.4	1979.2	1995.1
47.5°	1844.4	1831.2	1844.4	1860.3	1860.3	1868.2	1892.0	1910.5	1897.3	1870.9	1878.8
50°	1709.7	1712.3	1709.7	1720.2	1720.2	1749.3	1767.8	1786.3	1799.5	1767.8	1730.8
52.5°	1577.6	1574.9	1577.6	1585.5	1596.1	1609.3	1641.0	1659.5	1680.6	1662.1	1604.0
55°	1445.4	1450.7	1445.4	1448.1	1453.4	1461.3	1508.9	1527.3	1567.0	1543.2	1482.4
57.5°	1313.3	1305.4	1313.3	1318.6	1321.2	1329.2	1368.8	1403.2	1426.9	1429.6	1355.6
60°	1160.0	1149.5	1160.0	1183.8	1189.1	1194.4	1231.4	1263.1	1284.2	1292.2	1215.5
62.5°	1025.3	1006.8	1025.3	1041.1	1051.7	1064.9	1091.3	1138.9	1157.4	1160.0	1051.7
65°	882.6	874.7	882.6	914.3	916.9	932.8	961.9	996.2	1035.8	1030.6	874.7
67.5°	753.1	753.1	753.1	774.2	790.1	798.0	835.0	850.9	901.1	906.4	729.3
70°	634.2	631.6	634.2	650.0	660.6	679.1	713.5	732.0	771.6	784.8	591.9
72.5°	520.6	517.9	520.6	533.8	544.3	560.2	589.3	610.4	644.8	660.6	459.8
75°	420.2	414.9	420.2	430.7	428.1	449.2	473.0	494.1	525.9	536.4	340.9
77.5°	322.4	322.4	322.4	333.0	333.0	354.1	364.7	391.1	409.6	425.4	251.0
80°	240.5	237.8	240.5	243.1	243.1	253.7	272.2	290.7	306.5	306.5	171.8
82.5°	169.1	163.8	169.1	169.1	169.1	174.4	185.0	190.3	200.8	208.8	108.3
85°	105.7	105.7	105.7	108.3	105.7	111.0	113.6	118.9	118.9	113.6	66.1
87.5°	68.7	66.1	68.7	66.1	66.1	63.4	63.4	63.4	60.8	58.1	37.0
90°	31.6	31.6	31.6	31.6	31.6	42.1	56.2	63.2	54.3	36.6	23.3
92.5°	126.7	101.5	126.7	151.8	158.1	224.1	312.0	356.0	312.6	225.7	160.6
95°	441.4	365.2	441.4	517.6	536.6	704.6	928.7	1040.7	878.9	555.4	312.8
97.5°	1057.5	912.6	1057.5	1202.5	1238.7	1344.9	1486.5	1557.3	1287.6	748.2	343.6
100°	1523.7	1351.0	1523.7	1696.3	1739.5	1731.7	1721.4	1716.2	1416.9	818.3	369.4
102.5°	1982.2	1834.3	1982.2	2130.1	2167.1	2031.8	1851.3	1761.1	1457.5	850.4	395.1
105°	2566.8	2487.3	2566.8	2646.3	2666.2	2362.8	1958.3	1756.1	1462.2	874.3	433.4
107.5°	2949.8	2969.0	2949.8	2930.5	2925.7	2502.6	1938.4	1656.3	1397.1	878.8	490.0
110°	3095.8	3178.6	3095.8	3013.0	2992.3	2519.2	1888.5	1573.1	1339.4	872.1	521.6





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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3108.8	3236.0	3108.8	2981.7	2949.9	2465.7	1820.2	1497.4	1289.1	872.4	559.9
115°	3026.4	3202.8	3026.4	2850.1	2806.0	2339.6	1717.7	1406.7	1231.3	880.4	617.3
117.5°	2851.6	3047.2	2851.6	2656.0	2607.1	2186.2	1624.9	1344.3	1195.1	896.8	673.0
120°	2710.8	2900.8	2710.8	2520.7	2473.2	2088.6	1575.8	1319.4	1183.0	910.1	705.4
122.5°	2573.6	2761.0	2573.6	2386.2	2339.3	1992.9	1531.1	1300.2	1176.5	929.2	743.7
125°	2377.9	2550.6	2377.9	2205.3	2162.1	1867.9	1475.6	1279.4	1171.3	955.0	792.8
127.5°	2201.9	2347.6	2201.9	2056.2	2019.8	1767.2	1430.4	1262.0	1168.3	980.8	840.2
130°	2098.2	2232.8	2098.2	1963.6	1930.0	1705.1	1405.2	1255.3	1170.1	999.6	871.8
132.5°	2004.1	2124.6	2004.1	1883.5	1853.4	1652.1	1383.7	1249.5	1171.3	1014.9	897.6
135°	1875.2	1979.1	1875.2	1771.3	1745.3	1576.7	1351.9	1239.5	1170.2	1031.6	927.6
137.5°	1771.7	1856.8	1771.7	1686.7	1665.4	1522.9	1332.8	1237.8	1177.4	1056.5	965.8
140°	1700.7	1780.2	1700.7	1621.3	1601.4	1478.3	1314.1	1232.0	1178.6	1071.7	991.6
142.5°	1642.0	1710.4	1642.0	1573.6	1556.5	1448.3	1304.1	1232.0	1182.8	1084.5	1010.7
145°	1553.8	1605.5	1553.8	1502.0	1489.1	1400.6	1282.7	1223.7	1182.9	1101.2	1039.9
147.5°	1486.1	1529.0	1486.1	1443.2	1432.5	1362.9	1270.1	1223.7	1191.0	1125.6	1076.5
150°	1443.5	1478.3	1443.5	1408.8	1400.1	1341.3	1262.9	1223.7	1195.2	1138.3	1095.6
152.5°	1407.1	1433.3	1407.1	1380.9	1374.3	1324.1	1257.2	1223.7	1198.0	1146.6	1108.1
155°	1365.2	1382.6	1365.2	1347.8	1343.5	1303.6	1250.3	1223.7	1204.1	1164.9	1135.5
157.5°	1332.1	1344.3	1332.1	1319.9	1316.9	1285.8	1244.4	1223.7	1210.2	1183.2	1163.0
160°	1312.4	1319.4	1312.4	1305.4	1303.6	1277.0	1241.5	1223.7	1213.0	1191.6	1175.5
162.5°	1299.4	1306.1	1299.4	1292.8	1291.1	1268.6	1238.7	1223.7	1215.9	1200.4	1188.8
165°	1280.8	1287.8	1280.8	1273.8	1272.0	1255.9	1234.4	1223.7	1220.2	1213.2	1207.9
167.5°	1267.3	1270.3	1267.3	1264.3	1263.6	1253.1	1239.0	1232.0	1229.0	1223.1	1218.7
170°	1263.6	1263.6	1263.6	1263.6	1263.6	1253.1	1239.0	1232.0	1231.8	1231.5	1231.2
172.5°	1253.8	1251.2	1253.8	1256.4	1257.0	1248.7	1237.6	1232.0	1232.0	1232.0	1232.0
175°	1247.8	1247.8	1247.8	1247.8	1247.8	1242.5	1235.5	1232.0	1233.7	1237.0	1239.5
177.5°	1242.5	1239.5	1242.5	1245.5	1246.2	1242.0	1236.5	1233.7	1235.0	1237.6	1239.5
180°	1239.5	1239.5	1239.5	1239.5	1239.5	1239.5	1239.5	1239.5	1239.5	1239.5	1239.5



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**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2793.1	2793.1	2793.1	2793.1	2793.1	2793.1	2793.1	2793.1	2793.1	2793.1	2793.1
2.5°	2832.7	2816.9	2816.9	2790.5	2779.9	2772.0	2758.7	2719.1	2708.5	2698.0	2713.8
5°	2856.5	2827.4	2806.3	2758.7	2719.1	2703.2	2653.0	2557.9	2494.5	2446.9	2420.5
7.5°	2861.8	2824.8	2785.2	2711.2	2616.0	2573.8	2420.5	2246.1	2198.5	2156.3	2129.8
10°	2856.5	2814.2	2758.7	2647.8	2423.1	2349.2	2195.9	2082.3	2053.2	2045.3	2053.2
12.5°	2838.0	2798.4	2721.7	2536.8	2222.3	2172.1	2082.3	2016.2	2010.9	2024.1	2095.5
15°	2806.3	2769.3	2679.5	2388.8	2111.3	2074.3	2010.9	1987.1	2016.2	2108.7	2322.7
17.5°	2774.6	2732.3	2621.3	2243.5	2026.8	2000.4	1955.4	2003.0	2166.8	2291.0	2362.4
20°	2732.3	2682.1	2555.3	2137.8	1966.0	1942.2	1921.1	2135.1	2259.3	2304.2	2343.9
22.5°	2682.1	2629.3	2465.4	2063.8	1902.6	1884.1	1897.3	2209.1	2259.3	2291.0	2325.4
25°	2616.0	2571.1	2359.7	2005.6	1852.4	1831.2	1881.4	2201.2	2230.2	2238.2	2306.9
27.5°	2555.3	2497.1	2248.7	1952.8	1791.6	1783.7	1894.7	2166.8	2188.0	2195.9	2269.9
30°	2481.3	2394.1	2124.5	1897.3	1728.2	1725.5	1897.3	2124.5	2119.3	2140.4	2214.4
32.5°	2404.7	2240.8	1984.5	1828.6	1667.4	1664.8	1878.8	2061.1	2055.8	2084.9	2140.4
35°	2333.3	2121.9	1794.2	1749.3	1590.8	1593.4	1833.9	1987.1	1989.8	2016.2	2050.6
37.5°	2259.3	2018.8	1585.5	1662.1	1516.8	1516.8	1773.1	1918.4	1913.2	1921.1	1968.6
40°	2172.1	1857.7	1400.5	1548.5	1448.1	1440.1	1699.1	1844.4	1825.9	1823.3	1889.4
42.5°	2079.6	1680.6	1263.1	1397.9	1368.8	1358.2	1609.3	1754.6	1720.2	1728.2	1812.7
45°	1979.2	1633.0	1157.4	1181.2	1286.9	1279.0	1511.5	1651.5	1627.8	1648.9	1736.1
47.5°	1878.8	1537.9	1123.1	980.4	1199.7	1197.0	1403.2	1551.1	1537.9	1559.1	1651.5
50°	1741.4	1432.2	1120.4	840.3	1101.9	1112.5	1273.7	1453.4	1453.4	1471.9	1569.6
52.5°	1564.3	1302.7	1017.4	761.0	988.3	1020.0	1160.0	1368.8	1374.1	1392.6	1479.8
55°	1403.2	1168.0	943.4	700.3	853.5	922.2	1049.1	1281.6	1292.2	1310.7	1389.9
57.5°	1255.2	972.4	927.5	628.9	729.3	795.4	951.3	1197.0	1202.3	1218.2	1294.8
60°	1096.6	702.9	850.9	552.3	621.0	671.2	861.4	1096.6	1115.1	1125.7	1191.8
62.5°	916.9	510.0	771.6	499.4	568.1	578.7	787.5	1001.5	1025.3	1033.2	1072.8
65°	652.7	428.1	655.3	454.5	512.6	515.3	708.2	903.7	924.9	938.1	967.1
67.5°	441.3	348.8	499.4	412.2	470.4	473.0	631.6	790.1	819.2	829.7	848.2
70°	306.5	232.5	369.9	367.3	422.8	428.1	549.6	687.0	713.5	721.4	732.0
72.5°	224.6	187.6	306.5	330.3	372.6	377.9	465.1	570.8	597.2	605.1	610.4
75°	171.8	198.2	248.4	288.0	317.1	319.7	380.5	465.1	483.6	488.9	491.5
77.5°	137.4	185.0	182.3	232.5	259.0	253.7	298.6	359.4	375.2	375.2	375.2
80°	103.1	145.3	137.4	166.5	190.3	185.0	214.0	256.3	261.6	266.9	264.2
82.5°	76.6	92.5	92.5	105.7	126.8	121.6	142.7	166.5	166.5	166.5	171.8
85°	47.6	52.8	42.3	55.5	71.3	68.7	79.3	89.8	92.5	92.5	87.2
87.5°	29.1	23.8	13.2	21.1	31.7	31.7	37.0	39.6	37.0	37.0	37.0
90°	21.6	15.0	8.3	15.0	21.6	23.3	36.6	54.3	63.2	56.2	42.1
92.5°	146.5	89.9	33.3	89.9	146.5	160.6	225.7	312.6	356.0	312.0	224.1
95°	286.9	183.4	79.9	183.4	286.9	312.8	555.4	878.9	1040.7	928.7	704.6
97.5°	320.8	229.4	138.1	229.4	320.8	343.6	748.2	1287.6	1557.3	1486.5	1344.9
100°	348.7	265.8	183.0	265.8	348.7	369.4	818.3	1416.9	1716.2	1721.4	1731.7
102.5°	375.8	298.5	221.3	298.5	375.8	395.1	850.4	1457.5	1761.1	1851.3	2031.8
105°	417.0	351.6	286.2	351.6	417.0	433.4	874.3	1462.2	1756.1	1958.3	2362.8
107.5°	474.7	413.7	352.7	413.7	474.7	490.0	878.8	1397.1	1656.3	1938.4	2502.6
110°	507.8	452.7	397.6	452.7	507.8	521.6	872.1	1339.4	1573.1	1888.5	2519.2



TEST NUMBER: P935216

CATALOG NUMBER: SQ4-FA-100U-100D-835-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	546.8	494.2	441.7	494.2	546.8	559.9	872.4	1289.1	1497.4	1820.2	2465.7
115°	605.2	556.7	508.3	556.7	605.2	617.3	880.4	1231.3	1406.7	1717.7	2339.6
117.5°	662.0	618.0	574.0	618.0	662.0	673.0	896.8	1195.1	1344.3	1624.9	2186.2
120°	695.1	653.7	612.3	653.7	695.1	705.4	910.1	1183.0	1319.4	1575.8	2088.6
122.5°	733.3	691.5	649.7	691.5	733.3	743.7	929.2	1176.5	1300.2	1531.1	1992.9
125°	783.3	745.2	707.1	745.2	783.3	792.8	955.0	1171.3	1279.4	1475.6	1867.9
127.5°	830.6	792.1	753.7	792.1	830.6	840.2	980.8	1168.3	1262.0	1430.4	1767.2
130°	861.4	820.0	778.6	820.0	861.4	871.8	999.6	1170.1	1255.3	1405.2	1705.1
132.5°	887.2	845.8	804.4	845.8	887.2	897.6	1014.9	1171.3	1249.5	1383.7	1652.1
135°	918.2	880.4	842.7	880.4	918.2	927.6	1031.6	1170.2	1239.5	1351.9	1576.7
137.5°	956.5	919.1	881.8	919.1	956.5	965.8	1056.5	1177.4	1237.8	1332.8	1522.9
140°	983.0	948.6	914.2	948.6	983.0	991.6	1071.7	1178.6	1232.0	1314.1	1478.3
142.5°	1002.8	971.0	939.2	971.0	1002.8	1010.7	1084.5	1182.8	1232.0	1304.1	1448.3
145°	1033.0	1005.2	977.5	1005.2	1033.0	1039.9	1101.2	1182.9	1223.7	1282.7	1400.6
147.5°	1069.7	1042.7	1015.7	1042.7	1069.7	1076.5	1125.6	1191.0	1223.7	1270.1	1362.9
150°	1089.5	1065.1	1040.7	1065.1	1089.5	1095.6	1138.3	1195.2	1223.7	1262.9	1341.3
152.5°	1103.5	1085.0	1066.5	1085.0	1103.5	1108.1	1146.6	1198.0	1223.7	1257.2	1324.1
155°	1132.1	1118.4	1104.7	1118.4	1132.1	1135.5	1164.9	1204.1	1223.7	1250.3	1303.6
157.5°	1159.7	1146.3	1133.0	1146.3	1159.7	1163.0	1183.2	1210.2	1223.7	1244.4	1285.8
160°	1172.9	1162.6	1152.2	1162.6	1172.9	1175.5	1191.6	1213.0	1223.7	1241.5	1277.0
162.5°	1186.9	1179.1	1171.3	1179.1	1186.9	1188.8	1200.4	1215.9	1223.7	1238.7	1268.6
165°	1206.1	1199.1	1192.1	1199.1	1206.1	1207.9	1213.2	1220.2	1223.7	1234.4	1255.9
167.5°	1217.9	1214.5	1211.2	1214.5	1217.9	1218.7	1223.1	1229.0	1232.0	1239.0	1253.1
170°	1230.4	1227.0	1223.7	1227.0	1230.4	1231.2	1231.5	1231.8	1232.0	1239.0	1253.1
172.5°	1231.8	1231.1	1230.4	1231.1	1231.8	1232.0	1232.0	1232.0	1232.0	1237.6	1248.7
175°	1239.5	1239.5	1239.5	1239.5	1239.5	1239.5	1237.0	1233.7	1232.0	1235.5	1242.5
177.5°	1239.5	1239.5	1239.5	1239.5	1239.5	1239.5	1237.6	1235.0	1233.7	1236.5	1242.0
180°	1239.5	1239.5	1239.5	1239.5	1239.5	1239.5	1239.5	1239.5	1239.5	1239.5	1239.5



TEST NUMBER: P935216  
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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2793.1	2793.1	2793.1	2793.1	2793.1	2793.1	2793.1	2793.1	2793.1	2793.1	2793.1
2.5°	2695.3	2687.4	2698.0	2668.9	2698.0	2687.4	2695.3	2713.8	2698.0	2708.5	2719.1
5°	2365.0	2351.8	2309.5	2275.2	2309.5	2351.8	2365.0	2420.5	2446.9	2494.5	2557.9
7.5°	2114.0	2103.4	2092.8	2071.7	2092.8	2103.4	2114.0	2129.8	2156.3	2198.5	2246.1
10°	2058.5	2061.1	2077.0	2074.3	2077.0	2061.1	2058.5	2053.2	2045.3	2053.2	2082.3
12.5°	2201.2	2225.0	2312.2	2306.9	2312.2	2225.0	2201.2	2095.5	2024.1	2010.9	2016.2
15°	2365.0	2372.9	2391.4	2394.1	2391.4	2372.9	2365.0	2322.7	2108.7	2016.2	1987.1
17.5°	2380.9	2383.5	2396.7	2396.7	2396.7	2383.5	2380.9	2362.4	2291.0	2166.8	2003.0
20°	2367.7	2372.9	2399.4	2404.7	2399.4	2372.9	2367.7	2343.9	2304.2	2259.3	2135.1
22.5°	2362.4	2372.9	2394.1	2391.4	2394.1	2372.9	2362.4	2325.4	2291.0	2259.3	2209.1
25°	2335.9	2335.9	2338.6	2341.2	2338.6	2335.9	2335.9	2306.9	2238.2	2230.2	2201.2
27.5°	2280.5	2285.7	2301.6	2299.0	2301.6	2285.7	2280.5	2269.9	2195.9	2188.0	2166.8
30°	2230.2	2225.0	2211.7	2201.2	2211.7	2225.0	2230.2	2214.4	2140.4	2119.3	2124.5
32.5°	2145.7	2132.5	2119.3	2111.3	2119.3	2132.5	2145.7	2140.4	2084.9	2055.8	2061.1
35°	2045.3	2047.9	2045.3	2037.3	2045.3	2047.9	2045.3	2050.6	2016.2	1989.8	1987.1
37.5°	1973.9	1979.2	1976.6	1966.0	1976.6	1979.2	1973.9	1968.6	1921.1	1913.2	1918.4
40°	1899.9	1902.6	1899.9	1892.0	1899.9	1902.6	1899.9	1889.4	1823.3	1825.9	1844.4
42.5°	1828.6	1825.9	1818.0	1812.7	1818.0	1825.9	1828.6	1812.7	1728.2	1720.2	1754.6
45°	1746.7	1749.3	1733.5	1725.5	1733.5	1749.3	1746.7	1736.1	1648.9	1627.8	1651.5
47.5°	1664.8	1664.8	1651.5	1643.6	1651.5	1664.8	1664.8	1651.5	1559.1	1537.9	1551.1
50°	1577.6	1574.9	1556.4	1553.8	1556.4	1574.9	1577.6	1569.6	1471.9	1453.4	1453.4
52.5°	1477.1	1477.1	1479.8	1485.1	1479.8	1477.1	1477.1	1479.8	1392.6	1374.1	1368.8
55°	1389.9	1392.6	1411.1	1416.4	1411.1	1392.6	1389.9	1389.9	1310.7	1292.2	1281.6
57.5°	1300.1	1300.1	1313.3	1313.3	1313.3	1300.1	1300.1	1294.8	1218.2	1202.3	1197.0
60°	1197.0	1202.3	1212.9	1210.3	1212.9	1202.3	1197.0	1191.8	1125.7	1115.1	1096.6
62.5°	1088.7	1094.0	1096.6	1091.3	1096.6	1094.0	1088.7	1072.8	1033.2	1025.3	1001.5
65°	975.1	980.4	983.0	977.7	983.0	980.4	975.1	967.1	938.1	924.9	903.7
67.5°	858.8	856.2	853.5	864.1	853.5	856.2	858.8	848.2	829.7	819.2	790.1
70°	739.9	739.9	737.2	742.5	737.2	739.9	739.9	732.0	721.4	713.5	687.0
72.5°	613.1	610.4	621.0	613.1	621.0	610.4	613.1	610.4	605.1	597.2	570.8
75°	488.9	494.1	488.9	496.8	488.9	494.1	488.9	491.5	488.9	483.6	465.1
77.5°	372.6	377.9	372.6	372.6	372.6	377.9	372.6	375.2	375.2	375.2	359.4
80°	264.2	261.6	261.6	259.0	261.6	261.6	264.2	264.2	266.9	261.6	256.3
82.5°	169.1	166.5	166.5	171.8	166.5	166.5	169.1	171.8	166.5	166.5	166.5
85°	92.5	95.1	89.8	89.8	89.8	95.1	92.5	87.2	92.5	92.5	89.8
87.5°	34.4	31.7	31.7	31.7	31.7	31.7	34.4	37.0	37.0	37.0	39.6
90°	31.6	31.6	31.6	31.6	31.6	31.6	31.6	42.1	56.2	63.2	54.3
92.5°	158.1	151.8	126.7	101.5	126.7	151.8	158.1	224.1	312.0	356.0	312.6
95°	536.6	517.6	441.4	365.2	441.4	517.6	536.6	704.6	928.7	1040.7	878.9
97.5°	1238.7	1202.5	1057.5	912.6	1057.5	1202.5	1238.7	1344.9	1486.5	1557.3	1287.6
100°	1739.5	1696.3	1523.7	1351.0	1523.7	1696.3	1739.5	1731.7	1721.4	1716.2	1416.9
102.5°	2167.1	2130.1	1982.2	1834.3	1982.2	2130.1	2167.1	2031.8	1851.3	1761.1	1457.5
105°	2666.2	2646.3	2566.8	2487.3	2566.8	2646.3	2666.2	2362.8	1958.3	1756.1	1462.2
107.5°	2925.7	2930.5	2949.8	2969.0	2949.8	2930.5	2925.7	2502.6	1938.4	1656.3	1397.1
110°	2992.3	3013.0	3095.8	3178.6	3095.8	3013.0	2992.3	2519.2	1888.5	1573.1	1339.4



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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2949.9	2981.7	3108.8	3236.0	3108.8	2981.7	2949.9	2465.7	1820.2	1497.4	1289.1
115°	2806.0	2850.1	3026.4	3202.8	3026.4	2850.1	2806.0	2339.6	1717.7	1406.7	1231.3
117.5°	2607.1	2656.0	2851.6	3047.2	2851.6	2656.0	2607.1	2186.2	1624.9	1344.3	1195.1
120°	2473.2	2520.7	2710.8	2900.8	2710.8	2520.7	2473.2	2088.6	1575.8	1319.4	1183.0
122.5°	2339.3	2386.2	2573.6	2761.0	2573.6	2386.2	2339.3	1992.9	1531.1	1300.2	1176.5
125°	2162.1	2205.3	2377.9	2550.6	2377.9	2205.3	2162.1	1867.9	1475.6	1279.4	1171.3
127.5°	2019.8	2056.2	2201.9	2347.6	2201.9	2056.2	2019.8	1767.2	1430.4	1262.0	1168.3
130°	1930.0	1963.6	2098.2	2232.8	2098.2	1963.6	1930.0	1705.1	1405.2	1255.3	1170.1
132.5°	1853.4	1883.5	2004.1	2124.6	2004.1	1883.5	1853.4	1652.1	1383.7	1249.5	1171.3
135°	1745.3	1771.3	1875.2	1979.1	1875.2	1771.3	1745.3	1576.7	1351.9	1239.5	1170.2
137.5°	1665.4	1686.7	1771.7	1856.8	1771.7	1686.7	1665.4	1522.9	1332.8	1237.8	1177.4
140°	1601.4	1621.3	1700.7	1780.2	1700.7	1621.3	1601.4	1478.3	1314.1	1232.0	1178.6
142.5°	1556.5	1573.6	1642.0	1710.4	1642.0	1573.6	1556.5	1448.3	1304.1	1232.0	1182.8
145°	1489.1	1502.0	1553.8	1605.5	1553.8	1502.0	1489.1	1400.6	1282.7	1223.7	1182.9
147.5°	1432.5	1443.2	1486.1	1529.0	1486.1	1443.2	1432.5	1362.9	1270.1	1223.7	1191.0
150°	1400.1	1408.8	1443.5	1478.3	1443.5	1408.8	1400.1	1341.3	1262.9	1223.7	1195.2
152.5°	1374.3	1380.9	1407.1	1433.3	1407.1	1380.9	1374.3	1324.1	1257.2	1223.7	1198.0
155°	1343.5	1347.8	1365.2	1382.6	1365.2	1347.8	1343.5	1303.6	1250.3	1223.7	1204.1
157.5°	1316.9	1319.9	1332.1	1344.3	1332.1	1319.9	1316.9	1285.8	1244.4	1223.7	1210.2
160°	1303.6	1305.4	1312.4	1319.4	1312.4	1305.4	1303.6	1277.0	1241.5	1223.7	1213.0
162.5°	1291.1	1292.8	1299.4	1306.1	1299.4	1292.8	1291.1	1268.6	1238.7	1223.7	1215.9
165°	1272.0	1273.8	1280.8	1287.8	1280.8	1273.8	1272.0	1255.9	1234.4	1223.7	1220.2
167.5°	1263.6	1264.3	1267.3	1270.3	1267.3	1264.3	1263.6	1253.1	1239.0	1232.0	1229.0
170°	1263.6	1263.6	1263.6	1263.6	1263.6	1263.6	1263.6	1253.1	1239.0	1232.0	1231.8
172.5°	1257.0	1256.4	1253.8	1251.2	1253.8	1256.4	1257.0	1248.7	1237.6	1232.0	1232.0
175°	1247.8	1247.8	1247.8	1247.8	1247.8	1247.8	1247.8	1242.5	1235.5	1232.0	1233.7
177.5°	1246.2	1245.5	1242.5	1239.5	1242.5	1245.5	1246.2	1242.0	1236.5	1233.7	1235.0
180°	1239.5	1239.5	1239.5	1239.5	1239.5	1239.5	1239.5	1239.5	1239.5	1239.5	1239.5



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	2793.1	2793.1	2793.1	2793.1	2793.1
2.5°	2758.7	2772.0	2779.9	2790.5	2816.9
5°	2653.0	2703.2	2719.1	2758.7	2806.3
7.5°	2420.5	2573.8	2616.0	2711.2	2785.2
10°	2195.9	2349.2	2423.1	2647.8	2758.7
12.5°	2082.3	2172.1	2222.3	2536.8	2721.7
15°	2010.9	2074.3	2111.3	2388.8	2679.5
17.5°	1955.4	2000.4	2026.8	2243.5	2621.3
20°	1921.1	1942.2	1966.0	2137.8	2555.3
22.5°	1897.3	1884.1	1902.6	2063.8	2465.4
25°	1881.4	1831.2	1852.4	2005.6	2359.7
27.5°	1894.7	1783.7	1791.6	1952.8	2248.7
30°	1897.3	1725.5	1728.2	1897.3	2124.5
32.5°	1878.8	1664.8	1667.4	1828.6	1984.5
35°	1833.9	1593.4	1590.8	1749.3	1794.2
37.5°	1773.1	1516.8	1516.8	1662.1	1585.5
40°	1699.1	1440.1	1448.1	1548.5	1400.5
42.5°	1609.3	1358.2	1368.8	1397.9	1263.1
45°	1511.5	1279.0	1286.9	1181.2	1157.4
47.5°	1403.2	1197.0	1199.7	980.4	1123.1
50°	1273.7	1112.5	1101.9	840.3	1120.4
52.5°	1160.0	1020.0	988.3	761.0	1017.4
55°	1049.1	922.2	853.5	700.3	943.4
57.5°	951.3	795.4	729.3	628.9	927.5
60°	861.4	671.2	621.0	552.3	850.9
62.5°	787.5	578.7	568.1	499.4	771.6
65°	708.2	515.3	512.6	454.5	655.3
67.5°	631.6	473.0	470.4	412.2	499.4
70°	549.6	428.1	422.8	367.3	369.9
72.5°	465.1	377.9	372.6	330.3	306.5
75°	380.5	319.7	317.1	288.0	248.4
77.5°	298.6	253.7	259.0	232.5	182.3
80°	214.0	185.0	190.3	166.5	137.4
82.5°	142.7	121.6	126.8	105.7	92.5
85°	79.3	68.7	71.3	55.5	42.3
87.5°	37.0	31.7	31.7	21.1	13.2
90°	36.6	23.3	21.6	15.0	8.3
92.5°	225.7	160.6	146.5	89.9	33.3
95°	555.4	312.8	286.9	183.4	79.9
97.5°	748.2	343.6	320.8	229.4	138.1
100°	818.3	369.4	348.7	265.8	183.0
102.5°	850.4	395.1	375.8	298.5	221.3
105°	874.3	433.4	417.0	351.6	286.2
107.5°	878.8	490.0	474.7	413.7	352.7
110°	872.1	521.6	507.8	452.7	397.6



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CATALOG NUMBER: SQ4-FA-100U-100D-835-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	872.4	559.9	546.8	494.2	441.7
115°	880.4	617.3	605.2	556.7	508.3
117.5°	896.8	673.0	662.0	618.0	574.0
120°	910.1	705.4	695.1	653.7	612.3
122.5°	929.2	743.7	733.3	691.5	649.7
125°	955.0	792.8	783.3	745.2	707.1
127.5°	980.8	840.2	830.6	792.1	753.7
130°	999.6	871.8	861.4	820.0	778.6
132.5°	1014.9	897.6	887.2	845.8	804.4
135°	1031.6	927.6	918.2	880.4	842.7
137.5°	1056.5	965.8	956.5	919.1	881.8
140°	1071.7	991.6	983.0	948.6	914.2
142.5°	1084.5	1010.7	1002.8	971.0	939.2
145°	1101.2	1039.9	1033.0	1005.2	977.5
147.5°	1125.6	1076.5	1069.7	1042.7	1015.7
150°	1138.3	1095.6	1089.5	1065.1	1040.7
152.5°	1146.6	1108.1	1103.5	1085.0	1066.5
155°	1164.9	1135.5	1132.1	1118.4	1104.7
157.5°	1183.2	1163.0	1159.7	1146.3	1133.0
160°	1191.6	1175.5	1172.9	1162.6	1152.2
162.5°	1200.4	1188.8	1186.9	1179.1	1171.3
165°	1213.2	1207.9	1206.1	1199.1	1192.1
167.5°	1223.1	1218.7	1217.9	1214.5	1211.2
170°	1231.5	1231.2	1230.4	1227.0	1223.7
172.5°	1232.0	1232.0	1231.8	1231.1	1230.4
175°	1237.0	1239.5	1239.5	1239.5	1239.5
177.5°	1237.6	1239.5	1239.5	1239.5	1239.5
180°	1239.5	1239.5	1239.5	1239.5	1239.5



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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	13.46	14.30	14.44	15.30	16.60	16.30	17.14	17.28	18.13	19.44
	3H	13.94	14.69	14.93	15.69	17.02	17.65	18.40	18.64	19.40	20.73
	4H	14.13	14.84	15.13	15.85	17.18	18.09	18.80	19.10	19.81	21.15
	6H	14.25	14.90	15.26	15.91	17.26	18.38	19.03	19.39	20.04	21.39
	8H	14.25	14.87	15.27	15.90	17.24	18.45	19.08	19.47	20.10	21.45
	12H	14.22	14.81	15.24	15.83	17.20	18.49	19.09	19.52	20.11	21.48
4H	2H	14.50	15.21	15.51	16.21	17.55	16.71	17.42	17.72	18.42	19.76
	3H	15.52	16.11	16.54	17.15	18.50	18.21	18.81	19.23	19.84	21.19
	4H	15.80	16.34	16.82	17.36	18.74	18.74	19.28	19.77	20.31	21.68
	6H	15.92	16.39	16.96	17.44	18.81	19.11	19.58	20.15	20.62	21.99
	8H	15.93	16.36	16.96	17.40	18.79	19.22	19.65	20.25	20.69	22.08
	12H	15.89	16.28	16.95	17.34	18.73	19.27	19.67	20.33	20.72	22.11
8H	4H	16.25	16.68	17.29	17.73	19.11	18.87	19.30	19.90	20.34	21.73
	6H	16.51	16.87	17.57	17.95	19.34	19.30	19.66	20.36	20.75	22.13
	8H	16.55	16.87	17.62	17.94	19.34	19.46	19.77	20.53	20.84	22.24
	12H	16.53	16.81	17.61	17.88	19.32	19.55	19.83	20.63	20.90	22.34
12H	4H	16.25	16.65	17.31	17.70	19.09	18.83	19.22	19.88	20.28	21.67
	6H	16.57	16.89	17.64	17.96	19.36	19.30	19.62	20.37	20.68	22.09
	8H	16.64	16.91	17.71	17.98	19.42	19.46	19.74	20.53	20.80	22.25