

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: P935324

Luminaire Tested: SQ4-FA-100U-125D-927-1D-UNV-STD-W-8

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935324
REPORT IS A COMBINATION OF REPORTS P933752 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-100U-125D-927-1D-UNV-STD-W-8
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

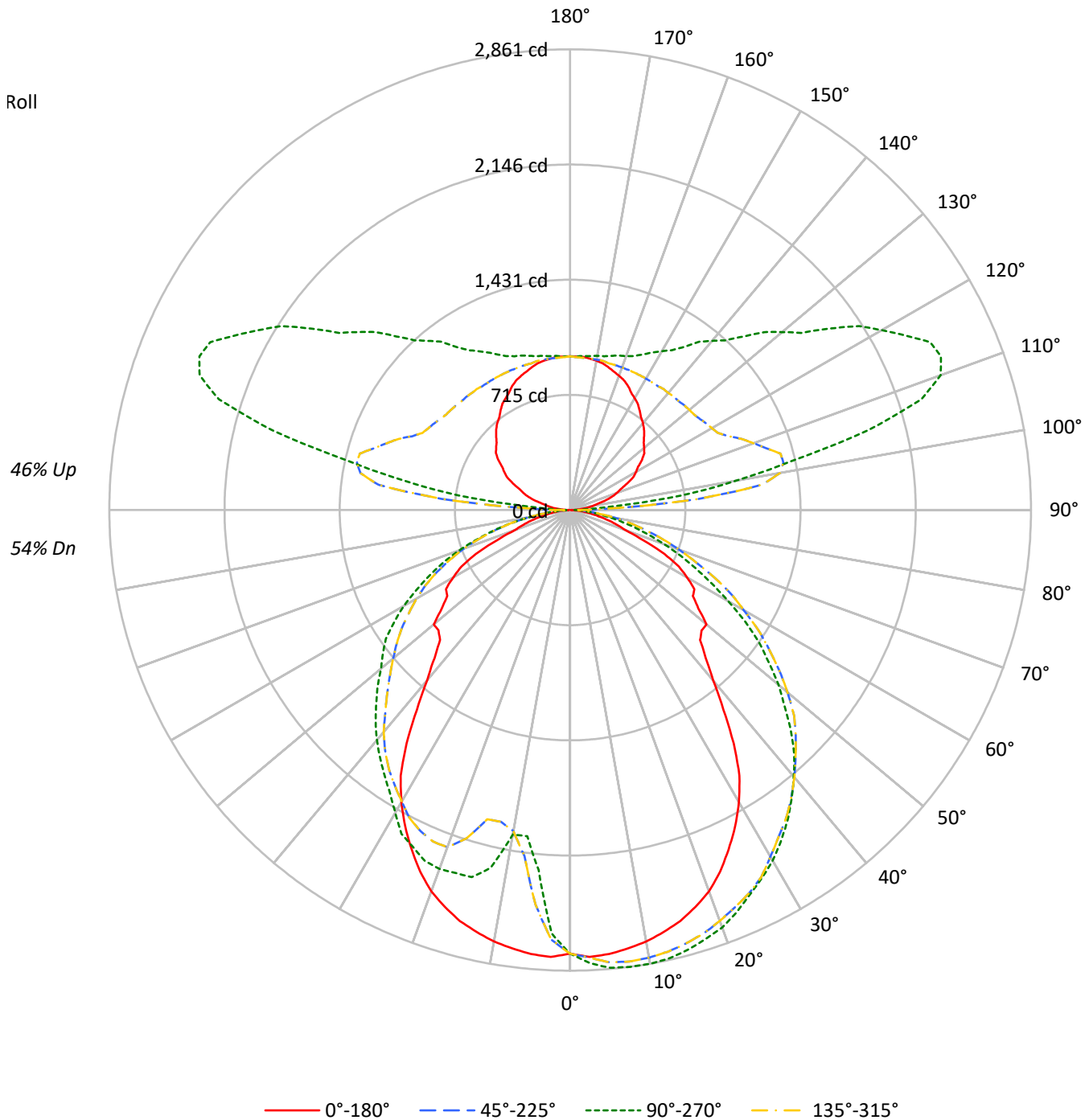
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13332.6 lumens
Efficiency: N/A
Efficacy: 96.9 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): 137.6
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			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	108	108	108	108	100	100	100	100	85	85	85	72	72	72	59	59	59	54			54
1	99	94	90	87	91	88	84	81	75	73	70	63	62	60	53	51	50	45			45
2	90	82	76	71	83	77	71	67	66	62	58	56	53	50	46	44	42	38			38
3	82	72	65	59	76	67	61	56	58	53	49	49	46	42	41	38	36	32			32
4	75	64	56	50	69	60	53	47	51	46	42	44	40	36	37	34	31	28			28
5	69	57	49	43	64	53	46	41	46	40	36	39	35	31	33	30	27	24			24
6	63	51	43	37	59	48	41	35	41	36	31	35	31	28	30	26	24	21			21
7	59	46	38	33	54	43	36	31	38	32	28	32	28	24	27	24	21	19			19
8	54	42	34	29	50	39	32	27	34	29	24	29	25	22	25	22	19	17			17
9	51	38	31	26	47	36	29	24	31	26	22	27	23	19	23	20	17	15			15
10	47	35	28	23	44	33	26	22	29	23	20	25	21	18	21	18	15	13			13

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	12779	12779	12779	12779
5°	12875	12901	12875	10144
10°	12789	12707	12789	9085
15°	12650	12432	12650	10381
20°	12385	12106	12385	10403
25°	11844	11630	11844	10182
30°	11144	11235	11144	9698
35°	9935	10736	9935	9167
40°	8278	10148	8278	8764
45°	7397	9459	7397	8302
50°	7858	8638	7858	7839
55°	7393	7754	7393	7570
60°	7621	6586	7621	6934
65°	6910	5444	6910	6085
70°	4784	4338	4784	5101
75°	4194	3207	4194	3840
80°	3381	2120	3381	2309
85°	1942	1124	1942	954

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 11336 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	248.6	1.9
10°-20°	705.9	5.3
20°-30°	1091.3	8.2
30°-40°	1302.7	9.8
40°-50°	1310.4	9.8
50°-60°	1140.2	8.6
60°-70°	808.4	6.1
70°-80°	427.7	3.2
80°-90°	110.2	0.8
90°-100°	465.3	3.5
100°-110°	1223.1	9.2
110°-120°	1268.3	9.5
120°-130°	1017.3	7.6
130°-140°	798.2	6.0
140°-150°	612.7	4.6
150°-160°	441.2	3.3
160°-170°	270.0	2.0
170°-180°	91.2	0.7
0°-30°	2045.8	15.3
0°-40°	3348.6	25.1
0°-60°	5799.1	43.5
0°-90°	7145.4	53.6
90°-120°	2956.6	22.2
90°-150°	5384.8	40.4
90°-180°	6187.0	46.4
0°-180°	13332.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2754	2754	2754	2754	2754	
5°	2768	2854	2768	2244	2768	263
15°	2642	2827	2642	2361	2642	743
25°	2327	2637	2327	2309	2327	1068
35°	1769	2353	1769	2009	1769	1095
45°	1141	1939	1141	1702	1141	914
55°	930	1431	930	1397	930	855
65°	646	863	646	964	646	618
75°	245	409	245	490	245	258
85°	42	104	42	89	42	56
90°	6	24	6	24	6	7
95°	62	281	62	281	62	68
105°	220	1915	220	1915	220	234
115°	391	2466	391	2466	391	387
125°	544	1964	544	1964	544	483
135°	649	1524	649	1524	649	502
145°	753	1236	753	1236	753	472
155°	851	1065	851	1065	851	391
165°	918	992	918	992	918	259
175°	954	961	954	961	954	91
180°	954	954	954	954	954	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2754.4	2754.4	2754.4	2754.4	2754.4	2754.4	2754.4	2754.4	2754.4	2754.4	2754.4
2.5°	2777.9	2777.9	2793.5	2798.7	2798.7	2790.9	2783.1	2790.9	2814.4	2822.2	2819.6
5°	2767.5	2788.3	2817.0	2822.2	2827.4	2824.8	2819.6	2824.8	2850.8	2856.1	2858.7
7.5°	2746.6	2785.7	2822.2	2830.0	2837.8	2830.0	2827.4	2832.6	2858.7	2863.9	2863.9
10°	2720.6	2775.3	2817.0	2822.2	2830.0	2822.2	2822.2	2832.6	2858.7	2863.9	2866.5
12.5°	2684.1	2759.6	2798.7	2804.0	2814.4	2811.7	2809.2	2819.6	2845.6	2850.8	2850.8
15°	2642.4	2731.0	2767.5	2772.7	2790.9	2785.7	2785.7	2796.1	2824.8	2832.6	2830.0
17.5°	2585.0	2694.5	2736.2	2744.0	2757.1	2754.4	2757.1	2767.5	2793.5	2798.7	2801.3
20°	2519.9	2645.0	2694.5	2702.3	2715.3	2715.3	2715.3	2728.3	2754.4	2764.8	2764.8
22.5°	2431.3	2592.9	2645.0	2650.2	2665.8	2665.8	2671.1	2689.3	2712.7	2715.3	2715.3
25°	2327.1	2535.5	2579.8	2595.4	2611.1	2618.9	2626.8	2637.2	2645.0	2642.4	2645.0
27.5°	2217.6	2462.5	2519.9	2530.3	2551.2	2559.0	2569.4	2572.0	2574.6	2582.4	2577.2
30°	2095.2	2361.0	2446.9	2457.4	2491.3	2496.4	2486.0	2491.3	2504.3	2509.5	2514.7
32.5°	1957.0	2209.8	2371.4	2394.9	2426.1	2410.5	2407.9	2415.6	2436.5	2436.5	2441.7
35°	1769.4	2092.6	2301.0	2321.9	2345.3	2327.1	2337.5	2340.1	2353.1	2361.0	2358.4
37.5°	1563.6	1990.9	2228.1	2243.7	2262.0	2238.5	2254.1	2262.0	2272.3	2267.1	2267.1
40°	1381.1	1831.9	2142.1	2152.5	2168.1	2149.8	2165.5	2170.7	2175.9	2170.7	2168.1
42.5°	1245.6	1657.3	2050.8	2063.8	2053.4	2066.4	2071.7	2082.1	2074.3	2063.8	2063.8
45°	1141.4	1610.5	1951.8	1967.4	1951.8	1972.7	1980.5	1980.5	1957.0	1951.8	1949.2
47.5°	1107.5	1516.6	1852.8	1852.8	1845.0	1871.0	1884.0	1865.8	1842.4	1834.5	1834.5
50°	1104.9	1412.4	1717.3	1706.9	1743.4	1774.6	1761.6	1743.4	1725.1	1696.5	1696.5
52.5°	1003.2	1284.7	1542.7	1581.8	1639.1	1657.3	1636.5	1618.2	1587.0	1574.0	1563.6
55°	930.3	1151.8	1383.8	1461.9	1521.8	1545.3	1506.2	1487.9	1441.1	1433.3	1428.0
57.5°	914.7	959.0	1237.8	1336.8	1409.8	1407.2	1383.8	1349.9	1310.8	1302.9	1300.4
60°	839.1	693.2	1081.5	1198.7	1274.3	1266.5	1245.6	1214.4	1177.9	1172.6	1167.5
62.5°	760.9	503.0	904.2	1037.1	1144.0	1141.4	1123.1	1076.2	1050.2	1037.1	1026.7
65°	646.3	422.2	643.6	862.6	1016.3	1021.5	982.4	948.6	919.8	904.2	901.7
67.5°	492.5	344.0	435.2	719.3	893.8	888.6	839.1	823.4	787.0	779.2	763.5
70°	364.8	229.3	302.3	583.7	773.9	760.9	721.8	703.6	669.7	651.5	641.0
72.5°	302.3	185.0	221.5	453.5	651.5	635.9	602.0	581.1	552.5	536.8	526.4
75°	244.9	195.4	169.4	336.2	529.0	518.6	487.3	466.5	443.0	422.2	424.7
77.5°	179.8	182.4	135.5	247.6	419.6	403.9	385.7	359.6	349.2	328.3	328.3
80°	135.5	143.3	101.6	169.4	302.3	302.3	286.7	268.4	250.2	239.8	239.8
82.5°	91.2	91.2	75.5	106.9	205.9	198.0	187.6	182.4	172.0	166.8	166.8
85°	41.7	52.1	46.9	65.1	112.0	117.3	117.3	112.0	109.4	104.3	106.9
87.5°	13.0	23.5	28.6	36.5	57.4	59.9	62.5	62.5	62.5	65.1	65.1
90°	6.4	11.6	16.6	17.9	28.2	41.8	48.7	43.3	32.4	24.3	24.3
92.5°	25.6	69.2	112.8	123.7	173.8	240.7	274.1	240.2	172.6	121.7	116.9
95°	61.5	141.2	220.9	240.9	427.7	676.8	801.3	715.1	542.5	413.2	398.6
97.5°	106.3	176.6	247.0	264.6	576.1	991.5	1199.1	1144.6	1035.6	953.8	925.9
100°	140.9	204.7	268.5	284.4	630.1	1091.0	1321.5	1325.5	1333.4	1339.4	1306.2
102.5°	170.4	229.8	289.4	304.2	654.8	1122.3	1356.0	1425.5	1564.5	1668.7	1640.2
105°	220.4	270.7	321.1	333.7	673.2	1125.9	1352.2	1507.9	1819.4	2053.0	2037.7
107.5°	271.6	318.5	365.5	377.3	676.7	1075.8	1275.4	1492.6	1927.0	2252.8	2256.5
110°	306.2	348.6	391.0	401.6	671.5	1031.3	1211.3	1454.1	1939.8	2304.1	2320.0



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	340.1	380.5	421.0	431.1	671.7	992.6	1153.0	1401.6	1898.6	2271.4	2295.9
115°	391.4	428.7	466.0	475.3	677.9	948.1	1083.2	1322.6	1801.5	2160.6	2194.6
117.5°	442.0	475.9	509.7	518.2	690.5	920.2	1035.1	1251.2	1683.4	2007.5	2045.1
120°	471.5	503.3	535.2	543.2	700.8	910.9	1015.9	1213.4	1608.2	1904.4	1940.9
122.5°	500.3	532.5	564.6	572.6	715.5	905.9	1001.2	1178.9	1534.5	1801.3	1837.4
125°	544.5	573.8	603.1	610.5	735.4	901.9	985.1	1136.2	1438.3	1664.8	1698.1
127.5°	580.3	609.9	639.6	647.0	755.2	899.6	971.7	1101.4	1360.7	1555.2	1583.3
130°	599.5	631.4	663.3	671.3	769.7	901.0	966.6	1082.0	1312.9	1486.1	1512.0
132.5°	619.4	651.3	683.1	691.2	781.5	901.9	962.1	1065.4	1272.1	1427.1	1450.3
135°	648.9	677.9	707.0	714.3	794.3	901.1	954.4	1041.0	1214.1	1343.9	1363.9
137.5°	679.0	707.7	736.5	743.7	813.5	906.6	953.1	1026.3	1172.6	1282.4	1298.8
140°	703.9	730.4	756.9	763.5	825.2	907.5	948.6	1011.9	1138.3	1233.1	1248.4
142.5°	723.2	747.7	772.2	778.2	835.1	910.8	948.6	1004.2	1115.2	1198.5	1211.7
145°	752.7	774.0	795.4	800.7	847.9	910.8	942.2	987.7	1078.5	1146.6	1156.5
147.5°	782.1	802.9	823.7	828.9	866.7	917.1	942.2	978.0	1049.4	1103.0	1111.3
150°	801.3	820.1	838.9	843.6	876.5	920.3	942.2	972.4	1032.8	1078.1	1084.8
152.5°	821.2	835.4	849.7	853.2	882.9	922.5	942.2	968.0	1019.6	1058.2	1063.3
155°	850.6	861.2	871.7	874.3	897.0	927.2	942.2	962.7	1003.8	1034.5	1037.8
157.5°	872.4	882.7	893.0	895.5	911.1	931.9	942.2	958.2	990.1	1014.0	1016.3
160°	887.2	895.2	903.1	905.1	917.5	934.0	942.2	956.0	983.3	1003.8	1005.2
162.5°	901.9	907.9	913.9	915.4	924.3	936.2	942.2	953.8	976.8	994.1	995.5
165°	917.9	923.3	928.7	930.1	934.2	939.6	942.2	950.5	967.0	979.4	980.8
167.5°	932.6	935.2	937.8	938.4	941.8	946.3	948.6	954.0	964.9	973.0	973.5
170°	942.2	944.8	947.4	948.0	948.3	948.5	948.6	954.0	964.9	973.0	973.0
172.5°	947.4	947.9	948.5	948.6	948.6	948.6	948.6	953.0	961.5	967.9	967.4
175°	954.4	954.4	954.4	954.4	952.5	949.9	948.6	951.3	956.7	960.8	960.8
177.5°	954.4	954.4	954.4	954.4	953.0	951.0	949.9	952.1	956.3	959.6	959.0
180°	954.4	954.4	954.4	954.4	954.4	954.4	954.4	954.4	954.4	954.4	954.4



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2754.4	2754.4	2754.4	2754.4	2754.4	2754.4	2754.4	2754.4	2754.4	2754.4	2754.4
2.5°	2824.8	2817.0	2824.8	2819.6	2822.2	2814.4	2790.9	2783.1	2790.9	2798.7	2798.7
5°	2858.7	2853.5	2858.7	2858.7	2856.1	2850.8	2824.8	2819.6	2824.8	2827.4	2822.2
7.5°	2869.1	2861.2	2869.1	2863.9	2863.9	2858.7	2832.6	2827.4	2830.0	2837.8	2830.0
10°	2869.1	2861.2	2869.1	2866.5	2863.9	2858.7	2832.6	2822.2	2822.2	2830.0	2822.2
12.5°	2856.1	2850.8	2856.1	2850.8	2850.8	2845.6	2819.6	2809.2	2811.7	2814.4	2804.0
15°	2835.2	2827.4	2835.2	2830.0	2832.6	2824.8	2796.1	2785.7	2785.7	2790.9	2772.7
17.5°	2804.0	2793.5	2804.0	2801.3	2798.7	2793.5	2767.5	2757.1	2754.4	2757.1	2744.0
20°	2767.5	2759.6	2767.5	2764.8	2764.8	2754.4	2728.3	2715.3	2715.3	2715.3	2702.3
22.5°	2710.1	2702.3	2710.1	2715.3	2715.3	2712.7	2689.3	2671.1	2665.8	2665.8	2650.2
25°	2645.0	2637.2	2645.0	2645.0	2642.4	2645.0	2637.2	2626.8	2618.9	2611.1	2595.4
27.5°	2582.4	2577.2	2582.4	2577.2	2582.4	2574.6	2572.0	2569.4	2559.0	2551.2	2530.3
30°	2519.9	2514.7	2519.9	2514.7	2509.5	2504.3	2491.3	2486.0	2496.4	2491.3	2457.4
32.5°	2441.7	2436.5	2441.7	2441.7	2436.5	2436.5	2415.6	2407.9	2410.5	2426.1	2394.9
35°	2361.0	2353.1	2361.0	2358.4	2361.0	2353.1	2340.1	2337.5	2327.1	2345.3	2321.9
37.5°	2267.1	2259.3	2267.1	2267.1	2267.1	2272.3	2262.0	2254.1	2238.5	2262.0	2243.7
40°	2170.7	2160.3	2170.7	2168.1	2170.7	2175.9	2170.7	2165.5	2149.8	2168.1	2152.5
42.5°	2061.3	2058.7	2061.3	2063.8	2063.8	2074.3	2082.1	2071.7	2066.4	2053.4	2063.8
45°	1944.0	1938.8	1944.0	1949.2	1951.8	1957.0	1980.5	1980.5	1972.7	1951.8	1967.4
47.5°	1818.9	1805.9	1818.9	1834.5	1834.5	1842.4	1865.8	1884.0	1871.0	1845.0	1852.8
50°	1686.0	1688.6	1686.0	1696.5	1696.5	1725.1	1743.4	1761.6	1774.6	1743.4	1706.9
52.5°	1555.7	1553.1	1555.7	1563.6	1574.0	1587.0	1618.2	1636.5	1657.3	1639.1	1581.8
55°	1425.4	1430.7	1425.4	1428.0	1433.3	1441.1	1487.9	1506.2	1545.3	1521.8	1461.9
57.5°	1295.1	1287.3	1295.1	1300.4	1302.9	1310.8	1349.9	1383.8	1407.2	1409.8	1336.8
60°	1144.0	1133.6	1144.0	1167.5	1172.6	1177.9	1214.4	1245.6	1266.5	1274.3	1198.7
62.5°	1011.1	992.8	1011.1	1026.7	1037.1	1050.2	1076.2	1123.1	1141.4	1144.0	1037.1
65°	870.3	862.6	870.3	901.7	904.2	919.8	948.6	982.4	1021.5	1016.3	862.6
67.5°	742.7	742.7	742.7	763.5	779.2	787.0	823.4	839.1	888.6	893.8	719.3
70°	625.4	622.8	625.4	641.0	651.5	669.7	703.6	721.8	760.9	773.9	583.7
72.5°	513.4	510.7	513.4	526.4	536.8	552.5	581.1	602.0	635.9	651.5	453.5
75°	414.3	409.1	414.3	424.7	422.2	443.0	466.5	487.3	518.6	529.0	336.2
77.5°	317.9	317.9	317.9	328.3	328.3	349.2	359.6	385.7	403.9	419.6	247.6
80°	237.2	234.5	237.2	239.8	239.8	250.2	268.4	286.7	302.3	302.3	169.4
82.5°	166.8	161.5	166.8	166.8	166.8	172.0	182.4	187.6	198.0	205.9	106.9
85°	104.3	104.3	104.3	106.9	104.3	109.4	112.0	117.3	117.3	112.0	65.1
87.5°	67.8	65.1	67.8	65.1	65.1	62.5	62.5	62.5	59.9	57.4	36.5
90°	24.3	24.3	24.3	24.3	24.3	32.4	43.3	48.7	41.8	28.2	17.9
92.5°	97.6	78.2	97.6	116.9	121.7	172.6	240.2	274.1	240.7	173.8	123.7
95°	339.9	281.2	339.9	398.6	413.2	542.5	715.1	801.3	676.8	427.7	240.9
97.5°	814.3	702.7	814.3	925.9	953.8	1035.6	1144.6	1199.1	991.5	576.1	264.6
100°	1173.2	1040.3	1173.2	1306.2	1339.4	1333.4	1325.5	1321.5	1091.0	630.1	284.4
102.5°	1526.3	1412.4	1526.3	1640.2	1668.7	1564.5	1425.5	1356.0	1122.3	654.8	304.2
105°	1976.4	1915.2	1976.4	2037.7	2053.0	1819.4	1507.9	1352.2	1125.9	673.2	333.7
107.5°	2271.3	2286.1	2271.3	2256.5	2252.8	1927.0	1492.6	1275.4	1075.8	676.7	377.3
110°	2383.8	2447.5	2383.8	2320.0	2304.1	1939.8	1454.1	1211.3	1031.3	671.5	401.6



TEST NUMBER: P935324

CATALOG NUMBER: SQ4-FA-100U-125D-927-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2393.8	2491.7	2393.8	2295.9	2271.4	1898.6	1401.6	1153.0	992.6	671.7	431.1
115°	2330.3	2466.2	2330.3	2194.6	2160.6	1801.5	1322.6	1083.2	948.1	677.9	475.3
117.5°	2195.7	2346.3	2195.7	2045.1	2007.5	1683.4	1251.2	1035.1	920.2	690.5	518.2
120°	2087.3	2233.6	2087.3	1940.9	1904.4	1608.2	1213.4	1015.9	910.9	700.8	543.2
122.5°	1981.7	2126.0	1981.7	1837.4	1801.3	1534.5	1178.9	1001.2	905.9	715.5	572.6
125°	1831.0	1964.0	1831.0	1698.1	1664.8	1438.3	1136.2	985.1	901.9	735.4	610.5
127.5°	1695.5	1807.7	1695.5	1583.3	1555.2	1360.7	1101.4	971.7	899.6	755.2	647.0
130°	1615.6	1719.3	1615.6	1512.0	1486.1	1312.9	1082.0	966.6	901.0	769.7	671.3
132.5°	1543.2	1635.9	1543.2	1450.3	1427.1	1272.1	1065.4	962.1	901.9	781.5	691.2
135°	1443.9	1523.9	1443.9	1363.9	1343.9	1214.1	1041.0	954.4	901.1	794.3	714.3
137.5°	1364.2	1429.7	1364.2	1298.8	1282.4	1172.6	1026.3	953.1	906.6	813.5	743.7
140°	1309.5	1370.8	1309.5	1248.4	1233.1	1138.3	1011.9	948.6	907.5	825.2	763.5
142.5°	1264.3	1317.0	1264.3	1211.7	1198.5	1115.2	1004.2	948.6	910.8	835.1	778.2
145°	1196.4	1236.2	1196.4	1156.5	1146.6	1078.5	987.7	942.2	910.8	847.9	800.7
147.5°	1144.3	1177.3	1144.3	1111.3	1103.0	1049.4	978.0	942.2	917.1	866.7	828.9
150°	1111.5	1138.3	1111.5	1084.8	1078.1	1032.8	972.4	942.2	920.3	876.5	843.6
152.5°	1083.5	1103.6	1083.5	1063.3	1058.2	1019.6	968.0	942.2	922.5	882.9	853.2
155°	1051.2	1064.6	1051.2	1037.8	1034.5	1003.8	962.7	942.2	927.2	897.0	874.3
157.5°	1025.7	1035.1	1025.7	1016.3	1014.0	990.1	958.2	942.2	931.9	911.1	895.5
160°	1010.5	1015.9	1010.5	1005.2	1003.8	983.3	956.0	942.2	934.0	917.5	905.1
162.5°	1000.5	1005.7	1000.5	995.5	994.1	976.8	953.8	942.2	936.2	924.3	915.4
165°	986.2	991.6	986.2	980.8	979.4	967.0	950.5	942.2	939.6	934.2	930.1
167.5°	975.8	978.1	975.8	973.5	973.0	964.9	954.0	948.6	946.3	941.8	938.4
170°	973.0	973.0	973.0	973.0	973.0	964.9	954.0	948.6	948.5	948.3	948.0
172.5°	965.4	963.4	965.4	967.4	967.9	961.5	953.0	948.6	948.6	948.6	948.6
175°	960.8	960.8	960.8	960.8	960.8	956.7	951.3	948.6	949.9	952.5	954.4
177.5°	956.7	954.4	956.7	959.0	959.6	956.3	952.1	949.9	951.0	953.0	954.4
180°	954.4	954.4	954.4	954.4	954.4	954.4	954.4	954.4	954.4	954.4	954.4



TEST NUMBER: P935324

CATALOG NUMBER: SQ4-FA-100U-125D-927-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2754.4	2754.4	2754.4	2754.4	2754.4	2754.4	2754.4	2754.4	2754.4	2754.4	2754.4
2.5°	2793.5	2777.9	2777.9	2751.8	2741.4	2733.6	2720.6	2681.4	2671.1	2660.6	2676.3
5°	2817.0	2788.3	2767.5	2720.6	2681.4	2665.8	2616.3	2522.5	2460.0	2413.0	2387.0
7.5°	2822.2	2785.7	2746.6	2673.7	2579.8	2538.2	2387.0	2215.0	2168.1	2126.4	2100.3
10°	2817.0	2775.3	2720.6	2611.1	2389.6	2316.6	2165.5	2053.4	2024.8	2016.9	2024.8
12.5°	2798.7	2759.6	2684.1	2501.7	2191.6	2142.1	2053.4	1988.3	1983.1	1996.1	2066.4
15°	2767.5	2731.0	2642.4	2355.7	2082.1	2045.7	1983.1	1959.6	1988.3	2079.5	2290.6
17.5°	2736.2	2694.5	2585.0	2212.4	1998.7	1972.7	1928.4	1975.3	2136.8	2259.3	2329.6
20°	2694.5	2645.0	2519.9	2108.2	1938.8	1915.3	1894.5	2105.6	2228.1	2272.3	2311.5
22.5°	2645.0	2592.9	2431.3	2035.2	1876.3	1858.0	1871.0	2178.6	2228.1	2259.3	2293.2
25°	2579.8	2535.5	2327.1	1977.9	1826.7	1805.9	1855.4	2170.7	2199.4	2207.2	2275.0
27.5°	2519.9	2462.5	2217.6	1925.8	1766.8	1759.0	1868.4	2136.8	2157.7	2165.5	2238.5
30°	2446.9	2361.0	2095.2	1871.0	1704.2	1701.6	1871.0	2095.2	2089.9	2110.8	2183.7
32.5°	2371.4	2209.8	1957.0	1803.3	1644.3	1641.7	1852.8	2032.6	2027.4	2056.1	2110.8
35°	2301.0	2092.6	1769.4	1725.1	1568.7	1571.3	1808.5	1959.6	1962.3	1988.3	2022.2
37.5°	2228.1	1990.9	1563.6	1639.1	1495.8	1495.8	1748.5	1891.9	1886.7	1894.5	1941.4
40°	2142.1	1831.9	1381.1	1527.1	1428.0	1420.2	1675.6	1818.9	1800.6	1798.1	1863.2
42.5°	2050.8	1657.3	1245.6	1378.5	1349.9	1339.4	1587.0	1730.3	1696.5	1704.2	1787.6
45°	1951.8	1610.5	1141.4	1164.9	1269.0	1261.3	1490.6	1628.7	1605.2	1626.1	1712.1
47.5°	1852.8	1516.6	1107.5	966.8	1183.1	1180.5	1383.8	1529.7	1516.6	1537.5	1628.7
50°	1717.3	1412.4	1104.9	828.7	1086.6	1097.1	1256.0	1433.3	1433.3	1451.4	1547.9
52.5°	1542.7	1284.7	1003.2	750.5	974.6	1005.9	1144.0	1349.9	1355.0	1373.3	1459.3
55°	1383.8	1151.8	930.3	690.5	841.7	909.4	1034.6	1263.9	1274.3	1292.5	1370.7
57.5°	1237.8	959.0	914.7	620.2	719.3	784.4	938.1	1180.5	1185.6	1201.4	1276.9
60°	1081.5	693.2	839.1	544.6	612.4	661.9	849.5	1081.5	1099.7	1110.1	1175.3
62.5°	904.2	503.0	760.9	492.5	560.3	570.7	776.5	987.6	1011.1	1018.9	1058.0
65°	643.6	422.2	646.3	448.2	505.5	508.1	698.4	891.2	912.1	925.1	953.7
67.5°	435.2	344.0	492.5	406.5	463.8	466.5	622.8	779.2	807.8	818.3	836.5
70°	302.3	229.3	364.8	362.2	417.0	422.2	542.0	677.5	703.6	711.4	721.8
72.5°	221.5	185.0	302.3	325.7	367.4	372.7	458.6	562.9	588.9	596.8	602.0
75°	169.4	195.4	244.9	284.1	312.7	315.3	375.2	458.6	476.9	482.1	484.7
77.5°	135.5	182.4	179.8	229.3	255.4	250.2	294.4	354.4	370.1	370.1	370.1
80°	101.6	143.3	135.5	164.2	187.6	182.4	211.1	252.8	258.0	263.2	260.6
82.5°	75.5	91.2	91.2	104.3	125.0	119.9	140.8	164.2	164.2	164.2	169.4
85°	46.9	52.1	41.7	54.7	70.4	67.8	78.2	88.6	91.2	91.2	86.0
87.5°	28.6	23.5	13.0	20.9	31.3	31.3	36.5	39.1	36.5	36.5	36.5
90°	16.6	11.6	6.4	11.6	16.6	17.9	28.2	41.8	48.7	43.3	32.4
92.5°	112.8	69.2	25.6	69.2	112.8	123.7	173.8	240.7	274.1	240.2	172.6
95°	220.9	141.2	61.5	141.2	220.9	240.9	427.7	676.8	801.3	715.1	542.5
97.5°	247.0	176.6	106.3	176.6	247.0	264.6	576.1	991.5	1199.1	1144.6	1035.6
100°	268.5	204.7	140.9	204.7	268.5	284.4	630.1	1091.0	1321.5	1325.5	1333.4
102.5°	289.4	229.8	170.4	229.8	289.4	304.2	654.8	1122.3	1356.0	1425.5	1564.5
105°	321.1	270.7	220.4	270.7	321.1	333.7	673.2	1125.9	1352.2	1507.9	1819.4
107.5°	365.5	318.5	271.6	318.5	365.5	377.3	676.7	1075.8	1275.4	1492.6	1927.0
110°	391.0	348.6	306.2	348.6	391.0	401.6	671.5	1031.3	1211.3	1454.1	1939.8



TEST NUMBER: P935324

CATALOG NUMBER: SQ4-FA-100U-125D-927-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	421.0	380.5	340.1	380.5	421.0	431.1	671.7	992.6	1153.0	1401.6	1898.6
115°	466.0	428.7	391.4	428.7	466.0	475.3	677.9	948.1	1083.2	1322.6	1801.5
117.5°	509.7	475.9	442.0	475.9	509.7	518.2	690.5	920.2	1035.1	1251.2	1683.4
120°	535.2	503.3	471.5	503.3	535.2	543.2	700.8	910.9	1015.9	1213.4	1608.2
122.5°	564.6	532.5	500.3	532.5	564.6	572.6	715.5	905.9	1001.2	1178.9	1534.5
125°	603.1	573.8	544.5	573.8	603.1	610.5	735.4	901.9	985.1	1136.2	1438.3
127.5°	639.6	609.9	580.3	609.9	639.6	647.0	755.2	899.6	971.7	1101.4	1360.7
130°	663.3	631.4	599.5	631.4	663.3	671.3	769.7	901.0	966.6	1082.0	1312.9
132.5°	683.1	651.3	619.4	651.3	683.1	691.2	781.5	901.9	962.1	1065.4	1272.1
135°	707.0	677.9	648.9	677.9	707.0	714.3	794.3	901.1	954.4	1041.0	1214.1
137.5°	736.5	707.7	679.0	707.7	736.5	743.7	813.5	906.6	953.1	1026.3	1172.6
140°	756.9	730.4	703.9	730.4	756.9	763.5	825.2	907.5	948.6	1011.9	1138.3
142.5°	772.2	747.7	723.2	747.7	772.2	778.2	835.1	910.8	948.6	1004.2	1115.2
145°	795.4	774.0	752.7	774.0	795.4	800.7	847.9	910.8	942.2	987.7	1078.5
147.5°	823.7	802.9	782.1	802.9	823.7	828.9	866.7	917.1	942.2	978.0	1049.4
150°	838.9	820.1	801.3	820.1	838.9	843.6	876.5	920.3	942.2	972.4	1032.8
152.5°	849.7	835.4	821.2	835.4	849.7	853.2	882.9	922.5	942.2	968.0	1019.6
155°	871.7	861.2	850.6	861.2	871.7	874.3	897.0	927.2	942.2	962.7	1003.8
157.5°	893.0	882.7	872.4	882.7	893.0	895.5	911.1	931.9	942.2	958.2	990.1
160°	903.1	895.2	887.2	895.2	903.1	905.1	917.5	934.0	942.2	956.0	983.3
162.5°	913.9	907.9	901.9	907.9	913.9	915.4	924.3	936.2	942.2	953.8	976.8
165°	928.7	923.3	917.9	923.3	928.7	930.1	934.2	939.6	942.2	950.5	967.0
167.5°	937.8	935.2	932.6	935.2	937.8	938.4	941.8	946.3	948.6	954.0	964.9
170°	947.4	944.8	942.2	944.8	947.4	948.0	948.3	948.5	948.6	954.0	964.9
172.5°	948.5	947.9	947.4	947.9	948.5	948.6	948.6	948.6	948.6	953.0	961.5
175°	954.4	954.4	954.4	954.4	954.4	954.4	952.5	949.9	948.6	951.3	956.7
177.5°	954.4	954.4	954.4	954.4	954.4	954.4	953.0	951.0	949.9	952.1	956.3
180°	954.4	954.4	954.4	954.4	954.4	954.4	954.4	954.4	954.4	954.4	954.4



TEST NUMBER: P935324
 CATALOG NUMBER: SQ4-FA-100U-125D-927-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2754.4	2754.4	2754.4	2754.4	2754.4	2754.4	2754.4	2754.4	2754.4	2754.4	2754.4
2.5°	2658.0	2650.2	2660.6	2631.9	2660.6	2650.2	2658.0	2676.3	2660.6	2671.1	2681.4
5°	2332.3	2319.2	2277.6	2243.7	2277.6	2319.2	2332.3	2387.0	2413.0	2460.0	2522.5
7.5°	2084.7	2074.3	2063.8	2043.0	2063.8	2074.3	2084.7	2100.3	2126.4	2168.1	2215.0
10°	2030.0	2032.6	2048.2	2045.7	2048.2	2032.6	2030.0	2024.8	2016.9	2024.8	2053.4
12.5°	2170.7	2194.2	2280.1	2275.0	2280.1	2194.2	2170.7	2066.4	1996.1	1983.1	1988.3
15°	2332.3	2340.1	2358.4	2361.0	2358.4	2340.1	2332.3	2290.6	2079.5	1988.3	1959.6
17.5°	2347.9	2350.5	2363.5	2363.5	2363.5	2350.5	2347.9	2329.6	2259.3	2136.8	1975.3
20°	2334.9	2340.1	2366.1	2371.4	2366.1	2340.1	2334.9	2311.5	2272.3	2228.1	2105.6
22.5°	2329.6	2340.1	2361.0	2358.4	2361.0	2340.1	2329.6	2293.2	2259.3	2228.1	2178.6
25°	2303.6	2303.6	2306.2	2308.8	2306.2	2303.6	2303.6	2275.0	2207.2	2199.4	2170.7
27.5°	2248.9	2254.1	2269.7	2267.1	2269.7	2254.1	2248.9	2238.5	2165.5	2157.7	2136.8
30°	2199.4	2194.2	2181.1	2170.7	2181.1	2194.2	2199.4	2183.7	2110.8	2089.9	2095.2
32.5°	2116.0	2102.9	2089.9	2082.1	2089.9	2102.9	2116.0	2110.8	2056.1	2027.4	2032.6
35°	2016.9	2019.6	2016.9	2009.2	2016.9	2019.6	2016.9	2022.2	1988.3	1962.3	1959.6
37.5°	1946.6	1951.8	1949.2	1938.8	1949.2	1951.8	1946.6	1941.4	1894.5	1886.7	1891.9
40°	1873.6	1876.3	1873.6	1865.8	1873.6	1876.3	1873.6	1863.2	1798.1	1800.6	1818.9
42.5°	1803.3	1800.6	1792.9	1787.6	1792.9	1800.6	1803.3	1787.6	1704.2	1696.5	1730.3
45°	1722.5	1725.1	1709.5	1701.6	1709.5	1725.1	1722.5	1712.1	1626.1	1605.2	1628.7
47.5°	1641.7	1641.7	1628.7	1620.9	1628.7	1641.7	1641.7	1628.7	1537.5	1516.6	1529.7
50°	1555.7	1553.1	1534.8	1532.3	1534.8	1553.1	1555.7	1547.9	1451.4	1433.3	1433.3
52.5°	1456.7	1456.7	1459.3	1464.5	1459.3	1456.7	1456.7	1459.3	1373.3	1355.0	1349.9
55°	1370.7	1373.3	1391.5	1396.8	1391.5	1373.3	1370.7	1370.7	1292.5	1274.3	1263.9
57.5°	1282.1	1282.1	1295.1	1295.1	1295.1	1282.1	1282.1	1276.9	1201.4	1185.6	1180.5
60°	1180.5	1185.6	1196.1	1193.5	1196.1	1185.6	1180.5	1175.3	1110.1	1099.7	1081.5
62.5°	1073.6	1078.8	1081.5	1076.2	1081.5	1078.8	1073.6	1058.0	1018.9	1011.1	987.6
65°	961.6	966.8	969.4	964.2	969.4	966.8	961.6	953.7	925.1	912.1	891.2
67.5°	846.9	844.3	841.7	852.2	841.7	844.3	846.9	836.5	818.3	807.8	779.2
70°	729.7	729.7	727.0	732.3	727.0	729.7	729.7	721.8	711.4	703.6	677.5
72.5°	604.6	602.0	612.4	604.6	612.4	602.0	604.6	602.0	596.8	588.9	562.9
75°	482.1	487.3	482.1	489.9	482.1	487.3	482.1	484.7	482.1	476.9	458.6
77.5°	367.4	372.7	367.4	367.4	367.4	372.7	367.4	370.1	370.1	370.1	354.4
80°	260.6	258.0	258.0	255.4	258.0	258.0	260.6	260.6	263.2	258.0	252.8
82.5°	166.8	164.2	164.2	169.4	164.2	164.2	166.8	169.4	164.2	164.2	164.2
85°	91.2	93.8	88.6	88.6	88.6	93.8	91.2	86.0	91.2	91.2	88.6
87.5°	33.9	31.3	31.3	31.3	31.3	31.3	33.9	36.5	36.5	36.5	39.1
90°	24.3	24.3	24.3	24.3	24.3	24.3	24.3	32.4	43.3	48.7	41.8
92.5°	121.7	116.9	97.6	78.2	97.6	116.9	121.7	172.6	240.2	274.1	240.7
95°	413.2	398.6	339.9	281.2	339.9	398.6	413.2	542.5	715.1	801.3	676.8
97.5°	953.8	925.9	814.3	702.7	814.3	925.9	953.8	1035.6	1144.6	1199.1	991.5
100°	1339.4	1306.2	1173.2	1040.3	1173.2	1306.2	1339.4	1333.4	1325.5	1321.5	1091.0
102.5°	1668.7	1640.2	1526.3	1412.4	1526.3	1640.2	1668.7	1564.5	1425.5	1356.0	1122.3
105°	2053.0	2037.7	1976.4	1915.2	1976.4	2037.7	2053.0	1819.4	1507.9	1352.2	1125.9
107.5°	2252.8	2256.5	2271.3	2286.1	2271.3	2256.5	2252.8	1927.0	1492.6	1275.4	1075.8
110°	2304.1	2320.0	2383.8	2447.5	2383.8	2320.0	2304.1	1939.8	1454.1	1211.3	1031.3



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2271.4	2295.9	2393.8	2491.7	2393.8	2295.9	2271.4	1898.6	1401.6	1153.0	992.6
115°	2160.6	2194.6	2330.3	2466.2	2330.3	2194.6	2160.6	1801.5	1322.6	1083.2	948.1
117.5°	2007.5	2045.1	2195.7	2346.3	2195.7	2045.1	2007.5	1683.4	1251.2	1035.1	920.2
120°	1904.4	1940.9	2087.3	2233.6	2087.3	1940.9	1904.4	1608.2	1213.4	1015.9	910.9
122.5°	1801.3	1837.4	1981.7	2126.0	1981.7	1837.4	1801.3	1534.5	1178.9	1001.2	905.9
125°	1664.8	1698.1	1831.0	1964.0	1831.0	1698.1	1664.8	1438.3	1136.2	985.1	901.9
127.5°	1555.2	1583.3	1695.5	1807.7	1695.5	1583.3	1555.2	1360.7	1101.4	971.7	899.6
130°	1486.1	1512.0	1615.6	1719.3	1615.6	1512.0	1486.1	1312.9	1082.0	966.6	901.0
132.5°	1427.1	1450.3	1543.2	1635.9	1543.2	1450.3	1427.1	1272.1	1065.4	962.1	901.9
135°	1343.9	1363.9	1443.9	1523.9	1443.9	1363.9	1343.9	1214.1	1041.0	954.4	901.1
137.5°	1282.4	1298.8	1364.2	1429.7	1364.2	1298.8	1282.4	1172.6	1026.3	953.1	906.6
140°	1233.1	1248.4	1309.5	1370.8	1309.5	1248.4	1233.1	1138.3	1011.9	948.6	907.5
142.5°	1198.5	1211.7	1264.3	1317.0	1264.3	1211.7	1198.5	1115.2	1004.2	948.6	910.8
145°	1146.6	1156.5	1196.4	1236.2	1196.4	1156.5	1146.6	1078.5	987.7	942.2	910.8
147.5°	1103.0	1111.3	1144.3	1177.3	1144.3	1111.3	1103.0	1049.4	978.0	942.2	917.1
150°	1078.1	1084.8	1111.5	1138.3	1111.5	1084.8	1078.1	1032.8	972.4	942.2	920.3
152.5°	1058.2	1063.3	1083.5	1103.6	1083.5	1063.3	1058.2	1019.6	968.0	942.2	922.5
155°	1034.5	1037.8	1051.2	1064.6	1051.2	1037.8	1034.5	1003.8	962.7	942.2	927.2
157.5°	1014.0	1016.3	1025.7	1035.1	1025.7	1016.3	1014.0	990.1	958.2	942.2	931.9
160°	1003.8	1005.2	1010.5	1015.9	1010.5	1005.2	1003.8	983.3	956.0	942.2	934.0
162.5°	994.1	995.5	1000.5	1005.7	1000.5	995.5	994.1	976.8	953.8	942.2	936.2
165°	979.4	980.8	986.2	991.6	986.2	980.8	979.4	967.0	950.5	942.2	939.6
167.5°	973.0	973.5	975.8	978.1	975.8	973.5	973.0	964.9	954.0	948.6	946.3
170°	973.0	973.0	973.0	973.0	973.0	973.0	973.0	964.9	954.0	948.6	948.5
172.5°	967.9	967.4	965.4	963.4	965.4	967.4	967.9	961.5	953.0	948.6	948.6
175°	960.8	960.8	960.8	960.8	960.8	960.8	960.8	956.7	951.3	948.6	949.9
177.5°	959.6	959.0	956.7	954.4	956.7	959.0	959.6	956.3	952.1	949.9	951.0
180°	954.4	954.4	954.4	954.4	954.4	954.4	954.4	954.4	954.4	954.4	954.4



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	2754.4	2754.4	2754.4	2754.4	2754.4
2.5°	2720.6	2733.6	2741.4	2751.8	2777.9
5°	2616.3	2665.8	2681.4	2720.6	2767.5
7.5°	2387.0	2538.2	2579.8	2673.7	2746.6
10°	2165.5	2316.6	2389.6	2611.1	2720.6
12.5°	2053.4	2142.1	2191.6	2501.7	2684.1
15°	1983.1	2045.7	2082.1	2355.7	2642.4
17.5°	1928.4	1972.7	1998.7	2212.4	2585.0
20°	1894.5	1915.3	1938.8	2108.2	2519.9
22.5°	1871.0	1858.0	1876.3	2035.2	2431.3
25°	1855.4	1805.9	1826.7	1977.9	2327.1
27.5°	1868.4	1759.0	1766.8	1925.8	2217.6
30°	1871.0	1701.6	1704.2	1871.0	2095.2
32.5°	1852.8	1641.7	1644.3	1803.3	1957.0
35°	1808.5	1571.3	1568.7	1725.1	1769.4
37.5°	1748.5	1495.8	1495.8	1639.1	1563.6
40°	1675.6	1420.2	1428.0	1527.1	1381.1
42.5°	1587.0	1339.4	1349.9	1378.5	1245.6
45°	1490.6	1261.3	1269.0	1164.9	1141.4
47.5°	1383.8	1180.5	1183.1	966.8	1107.5
50°	1256.0	1097.1	1086.6	828.7	1104.9
52.5°	1144.0	1005.9	974.6	750.5	1003.2
55°	1034.6	909.4	841.7	690.5	930.3
57.5°	938.1	784.4	719.3	620.2	914.7
60°	849.5	661.9	612.4	544.6	839.1
62.5°	776.5	570.7	560.3	492.5	760.9
65°	698.4	508.1	505.5	448.2	646.3
67.5°	622.8	466.5	463.8	406.5	492.5
70°	542.0	422.2	417.0	362.2	364.8
72.5°	458.6	372.7	367.4	325.7	302.3
75°	375.2	315.3	312.7	284.1	244.9
77.5°	294.4	250.2	255.4	229.3	179.8
80°	211.1	182.4	187.6	164.2	135.5
82.5°	140.8	119.9	125.0	104.3	91.2
85°	78.2	67.8	70.4	54.7	41.7
87.5°	36.5	31.3	31.3	20.9	13.0
90°	28.2	17.9	16.6	11.6	6.4
92.5°	173.8	123.7	112.8	69.2	25.6
95°	427.7	240.9	220.9	141.2	61.5
97.5°	576.1	264.6	247.0	176.6	106.3
100°	630.1	284.4	268.5	204.7	140.9
102.5°	654.8	304.2	289.4	229.8	170.4
105°	673.2	333.7	321.1	270.7	220.4
107.5°	676.7	377.3	365.5	318.5	271.6
110°	671.5	401.6	391.0	348.6	306.2



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CATALOG NUMBER: SQ4-FA-100U-125D-927-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	671.7	431.1	421.0	380.5	340.1
115°	677.9	475.3	466.0	428.7	391.4
117.5°	690.5	518.2	509.7	475.9	442.0
120°	700.8	543.2	535.2	503.3	471.5
122.5°	715.5	572.6	564.6	532.5	500.3
125°	735.4	610.5	603.1	573.8	544.5
127.5°	755.2	647.0	639.6	609.9	580.3
130°	769.7	671.3	663.3	631.4	599.5
132.5°	781.5	691.2	683.1	651.3	619.4
135°	794.3	714.3	707.0	677.9	648.9
137.5°	813.5	743.7	736.5	707.7	679.0
140°	825.2	763.5	756.9	730.4	703.9
142.5°	835.1	778.2	772.2	747.7	723.2
145°	847.9	800.7	795.4	774.0	752.7
147.5°	866.7	828.9	823.7	802.9	782.1
150°	876.5	843.6	838.9	820.1	801.3
152.5°	882.9	853.2	849.7	835.4	821.2
155°	897.0	874.3	871.7	861.2	850.6
157.5°	911.1	895.5	893.0	882.7	872.4
160°	917.5	905.1	903.1	895.2	887.2
162.5°	924.3	915.4	913.9	907.9	901.9
165°	934.2	930.1	928.7	923.3	917.9
167.5°	941.8	938.4	937.8	935.2	932.6
170°	948.3	948.0	947.4	944.8	942.2
172.5°	948.6	948.6	948.5	947.9	947.4
175°	952.5	954.4	954.4	954.4	954.4
177.5°	953.0	954.4	954.4	954.4	954.4
180°	954.4	954.4	954.4	954.4	954.4



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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	13.99	14.88	14.91	15.82	17.04	16.82	17.72	17.75	18.66	19.88
	3H	14.47	15.27	15.40	16.22	17.46	18.17	18.98	19.11	19.93	21.17
	4H	14.66	15.42	15.61	16.37	17.63	18.62	19.38	19.57	20.34	21.59
	6H	14.78	15.48	15.74	16.44	17.70	18.91	19.61	19.87	20.57	21.84
	8H	14.78	15.45	15.75	16.43	17.69	18.99	19.65	19.96	20.63	21.89
	12H	14.75	15.39	15.73	16.36	17.65	19.03	19.66	20.00	20.63	21.92
4H	2H	15.02	15.78	15.98	16.74	17.99	17.24	17.99	18.19	18.95	20.20
	3H	16.05	16.69	17.02	17.67	18.94	18.75	19.38	19.72	20.37	21.63
	4H	16.33	16.91	17.31	17.89	19.18	19.28	19.86	20.26	20.84	22.13
	6H	16.46	16.96	17.45	17.96	19.25	19.65	20.14	20.64	21.15	22.44
	8H	16.47	16.93	17.46	17.93	19.23	19.76	20.22	20.75	21.22	22.52
	12H	16.43	16.85	17.44	17.87	19.18	19.82	20.24	20.83	21.25	22.56
8H	4H	16.79	17.25	17.78	18.25	19.55	19.41	19.87	20.40	20.87	22.17
	6H	17.05	17.44	18.07	18.48	19.78	19.85	20.23	20.86	21.27	22.57
	8H	17.10	17.43	18.12	18.46	19.78	20.00	20.34	21.02	21.36	22.68
	12H	17.08	17.38	18.11	18.40	19.76	20.10	20.40	21.13	21.42	22.78
12H	4H	16.80	17.22	17.81	18.23	19.54	19.37	19.79	20.38	20.81	22.11
	6H	17.11	17.45	18.14	18.48	19.80	19.84	20.18	20.87	21.21	22.53
	8H	17.18	17.48	18.21	18.50	19.87	20.01	20.31	21.04	21.33	22.69