

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: P934416

Luminaire Tested: SQ4-FA-050U-100D-835-1D-UNV-STD-W-8

Issue Date: 12/17/2024

**Test Information**

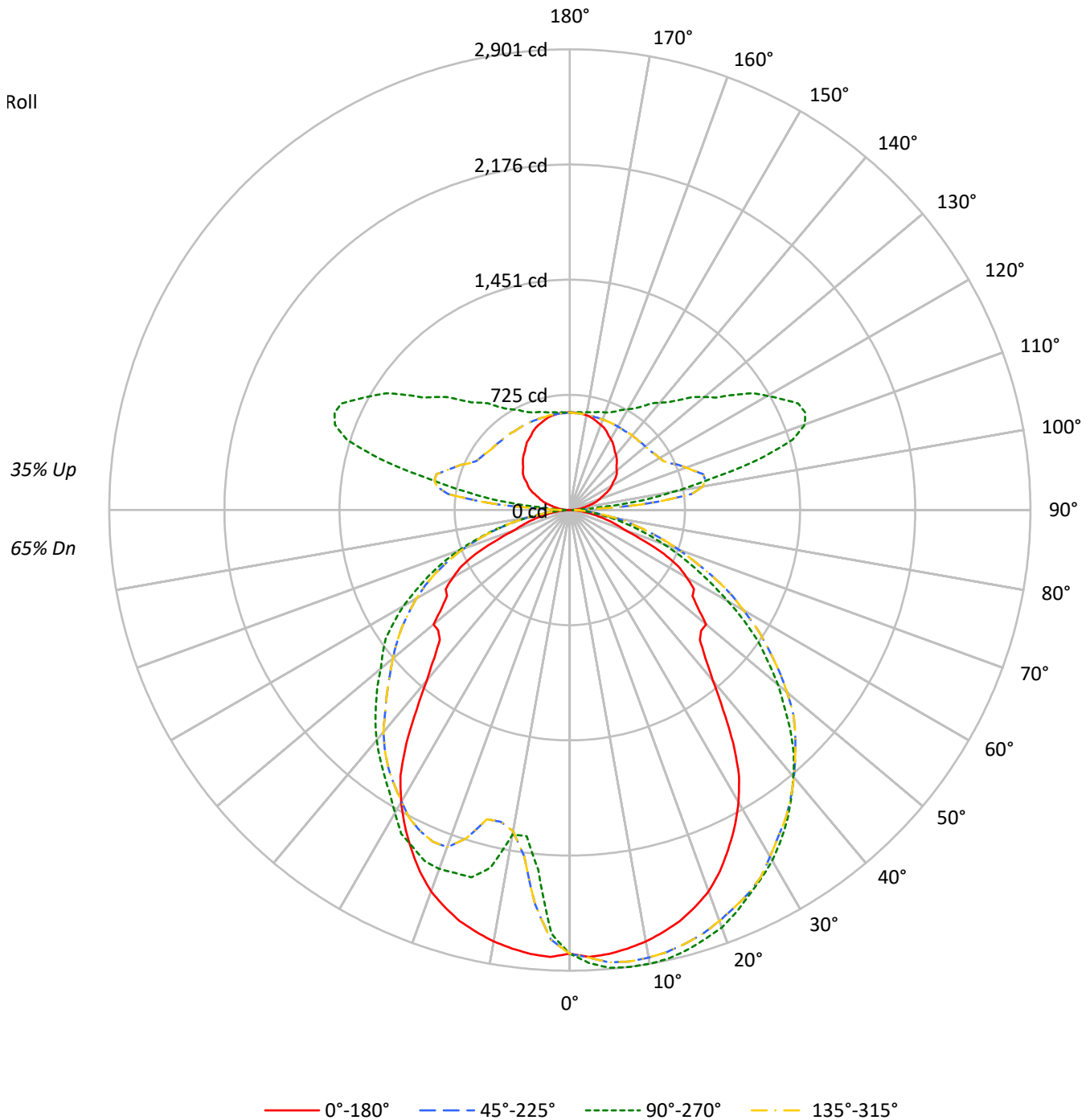
Test Method: LM-79-2019  
Report Number: P934416  
REPORT IS A COMBINATION OF REPORTS P933700 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-050U-100D-835-1D-UNV-STD-W-8  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11226.0 lumens  
Efficiency: N/A  
Efficacy: 124.2 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





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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	111	111	111	111	104	104	104	104	91	91	91	80	80	80	69	69	69	65	65	65	65
1	101	97	93	89	95	91	88	84	80	78	75	71	69	67	62	60	59	55	55	55	55
2	92	85	78	73	86	80	74	69	70	66	63	62	59	56	54	52	50	46	46	46	46
3	84	74	67	61	79	70	63	58	62	57	53	55	51	47	48	45	42	39	39	39	39
4	77	66	58	52	72	62	55	49	55	49	45	49	44	41	43	39	36	33	33	33	33
5	71	59	50	44	66	56	48	42	49	43	39	44	39	35	39	35	32	29	29	29	29
6	65	53	44	38	61	50	42	37	45	38	34	40	35	31	35	31	28	25	25	25	25
7	60	48	39	34	56	45	38	32	40	34	30	36	31	27	32	28	25	22	22	22	22
8	56	43	35	30	52	41	34	29	37	31	27	33	28	24	29	25	22	20	20	20	20
9	52	40	32	27	49	38	31	26	34	28	24	30	25	22	27	23	20	18	18	18	18
10	49	36	29	24	46	35	28	23	31	25	21	28	23	20	25	21	18	16	16	16	16

**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	2.2
10°-20°	715.9	6.4
20°-30°	1106.6	9.9
30°-40°	1321.0	11.8
40°-50°	1328.8	11.8
50°-60°	1156.2	10.3
60°-70°	819.8	7.3
70°-80°	433.7	3.9
80°-90°	110.4	1.0
90°-100°	299.4	2.7
100°-110°	787.1	7.0
110°-120°	816.2	7.3
120°-130°	654.7	5.8
130°-140°	513.7	4.6
140°-150°	394.3	3.5
150°-160°	283.9	2.5
160°-170°	173.7	1.5
170°-180°	58.7	0.5
0°-30°	2074.6	18.5
0°-40°	3395.6	30.2
0°-60°	5880.5	52.4
0°-90°	7244.3	64.5
90°-120°	1902.7	16.9
90°-150°	3465.3	30.9
90°-180°	3982.0	35.5
0°-180°	11226.0	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°	4	16	4	16	4	5
95°	40	181	40	181	40	44
105°	142	1232	142	1232	142	150
115°	252	1587	252	1587	252	249
125°	350	1264	350	1264	350	311
135°	418	981	418	981	418	323
145°	484	796	484	796	484	303
155°	547	685	547	685	547	252
165°	591	638	591	638	591	167
175°	614	618	614	618	614	58
180°	614	614	614	614	614	



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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°	4.1	7.4	10.7	11.5	18.1	26.9	31.3	27.8	20.9	15.7	15.7
92.5°	16.5	44.5	72.6	79.6	111.9	154.9	176.4	154.6	111.0	78.3	75.2
95°	39.6	90.9	142.2	155.0	275.2	435.5	515.7	460.2	349.2	265.9	256.5
97.5°	68.4	113.6	158.9	170.2	370.7	638.0	771.7	736.6	666.4	613.8	595.8
100°	90.7	131.7	172.7	183.0	405.5	702.1	850.4	853.0	858.1	861.9	840.5
102.5°	109.7	148.0	186.2	195.8	421.4	722.3	872.7	917.4	1006.8	1073.8	1055.5
105°	141.8	174.2	206.7	214.8	433.3	724.6	870.2	970.4	1170.9	1321.2	1311.3
107.5°	174.8	205.0	235.2	242.8	435.4	692.3	820.7	960.5	1240.1	1449.8	1452.2
110°	197.0	224.3	251.7	258.5	432.2	663.7	779.5	935.8	1248.3	1482.7	1493.0



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	218.9	244.9	270.9	277.4	432.3	638.8	742.0	901.9	1221.8	1461.7	1477.5
115°	251.9	275.9	299.9	305.9	436.3	610.2	697.1	851.2	1159.3	1390.4	1412.2
117.5°	284.4	306.2	328.0	333.5	444.4	592.2	666.1	805.2	1083.3	1291.9	1316.1
120°	303.4	323.9	344.5	349.6	451.0	586.2	653.8	780.8	1034.9	1225.5	1249.0
122.5°	321.9	342.6	363.3	368.5	460.4	583.0	644.3	758.7	987.6	1159.2	1182.4
125°	350.4	369.2	388.1	392.8	473.2	580.4	634.0	731.2	925.6	1071.4	1092.8
127.5°	373.5	392.5	411.5	416.3	486.0	578.9	625.3	708.8	875.7	1000.9	1018.9
130°	385.8	406.3	426.9	432.0	495.3	579.8	622.0	696.3	844.9	956.3	973.0
132.5°	398.6	419.1	439.7	444.8	502.9	580.4	619.2	685.7	818.7	918.4	933.3
135°	417.6	436.3	454.9	459.6	511.1	579.8	614.2	669.9	781.3	864.8	877.7
137.5°	437.0	455.5	474.0	478.6	523.5	583.4	613.4	660.5	754.7	825.3	835.8
140°	453.0	470.1	487.1	491.4	531.1	584.0	610.5	651.2	732.5	793.5	803.3
142.5°	465.4	481.1	496.9	500.8	537.4	586.1	610.5	646.2	717.7	771.3	779.8
145°	484.4	498.1	511.9	515.3	545.7	586.2	606.4	635.6	694.1	737.9	744.3
147.5°	503.3	516.7	530.1	533.4	557.7	590.2	606.4	629.4	675.3	709.8	715.1
150°	515.7	527.8	539.9	542.9	564.1	592.3	606.4	625.8	664.7	693.8	698.1
152.5°	528.5	537.7	546.8	549.1	568.2	593.7	606.4	623.0	656.1	681.0	684.3
155°	547.4	554.2	561.0	562.7	577.3	596.7	606.4	619.6	645.9	665.7	667.9
157.5°	561.4	568.0	574.6	576.3	586.3	599.7	606.4	616.6	637.1	652.5	654.0
160°	570.9	576.1	581.2	582.5	590.5	601.1	606.4	615.2	632.7	645.9	646.8
162.5°	580.4	584.3	588.1	589.1	594.9	602.6	606.4	613.8	628.7	639.8	640.6
165°	590.7	594.2	597.6	598.5	601.1	604.6	606.4	611.7	622.3	630.3	631.2
167.5°	600.2	601.8	603.5	603.9	606.1	609.0	610.5	614.0	621.0	626.2	626.6
170°	606.4	608.0	609.7	610.1	610.2	610.4	610.5	614.0	621.0	626.2	626.2
172.5°	609.7	610.1	610.4	610.5	610.5	610.5	610.5	613.3	618.8	622.9	622.6
175°	614.2	614.2	614.2	614.2	613.0	611.3	610.5	612.2	615.7	618.3	618.3
177.5°	614.2	614.2	614.2	614.2	613.2	611.9	611.3	612.7	615.4	617.5	617.1
180°	614.2	614.2	614.2	614.2	614.2	614.2	614.2	614.2	614.2	614.2	614.2



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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°	15.7	15.7	15.7	15.7	15.7	20.9	27.8	31.3	26.9	18.1	11.5
92.5°	62.7	50.3	62.7	75.2	78.3	111.0	154.6	176.4	154.9	111.9	79.6
95°	218.7	181.0	218.7	256.5	265.9	349.2	460.2	515.7	435.5	275.2	155.0
97.5°	524.0	452.2	524.0	595.8	613.8	666.4	736.6	771.7	638.0	370.7	170.2
100°	755.0	669.4	755.0	840.5	861.9	858.1	853.0	850.4	702.1	405.5	183.0
102.5°	982.2	908.9	982.2	1055.5	1073.8	1006.8	917.4	872.7	722.3	421.4	195.8
105°	1271.9	1232.5	1271.9	1311.3	1321.2	1170.9	970.4	870.2	724.6	433.3	214.8
107.5°	1461.7	1471.2	1461.7	1452.2	1449.8	1240.1	960.5	820.7	692.3	435.4	242.8
110°	1534.0	1575.1	1534.0	1493.0	1482.7	1248.3	935.8	779.5	663.7	432.2	258.5





TEST NUMBER: P934416

CATALOG NUMBER: SQ4-FA-050U-100D-835-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	1540.5	1603.5	1540.5	1477.5	1461.7	1221.8	901.9	742.0	638.8	432.3	277.4
115°	1499.6	1587.0	1499.6	1412.2	1390.4	1159.3	851.2	697.1	610.2	436.3	305.9
117.5°	1413.1	1510.0	1413.1	1316.1	1291.9	1083.3	805.2	666.1	592.2	444.4	333.5
120°	1343.2	1437.4	1343.2	1249.0	1225.5	1034.9	780.8	653.8	586.2	451.0	349.6
122.5°	1275.3	1368.2	1275.3	1182.4	1159.2	987.6	758.7	644.3	583.0	460.4	368.5
125°	1178.3	1263.9	1178.3	1092.8	1071.4	925.6	731.2	634.0	580.4	473.2	392.8
127.5°	1091.1	1163.3	1091.1	1018.9	1000.9	875.7	708.8	625.3	578.9	486.0	416.3
130°	1039.7	1106.4	1039.7	973.0	956.3	844.9	696.3	622.0	579.8	495.3	432.0
132.5°	993.1	1052.8	993.1	933.3	918.4	818.7	685.7	619.2	580.4	502.9	444.8
135°	929.2	980.7	929.2	877.7	864.8	781.3	669.9	614.2	579.8	511.1	459.6
137.5°	878.0	920.1	878.0	835.8	825.3	754.7	660.5	613.4	583.4	523.5	478.6
140°	842.7	882.1	842.7	803.3	793.5	732.5	651.2	610.5	584.0	531.1	491.4
142.5°	813.6	847.5	813.6	779.8	771.3	717.7	646.2	610.5	586.1	537.4	500.8
145°	770.0	795.6	770.0	744.3	737.9	694.1	635.6	606.4	586.2	545.7	515.3
147.5°	736.4	757.7	736.4	715.1	709.8	675.3	629.4	606.4	590.2	557.7	533.4
150°	715.3	732.5	715.3	698.1	693.8	664.7	625.8	606.4	592.3	564.1	542.9
152.5°	697.3	710.3	697.3	684.3	681.0	656.1	623.0	606.4	593.7	568.2	549.1
155°	676.5	685.1	676.5	667.9	665.7	645.9	619.6	606.4	596.7	577.3	562.7
157.5°	660.1	666.1	660.1	654.0	652.5	637.1	616.6	606.4	599.7	586.3	576.3
160°	650.3	653.8	650.3	646.8	645.9	632.7	615.2	606.4	601.1	590.5	582.5
162.5°	643.9	647.2	643.9	640.6	639.8	628.7	613.8	606.4	602.6	594.9	589.1
165°	634.6	638.1	634.6	631.2	630.3	622.3	611.7	606.4	604.6	601.1	598.5
167.5°	628.0	629.5	628.0	626.6	626.2	621.0	614.0	610.5	609.0	606.1	603.9
170°	626.2	626.2	626.2	626.2	626.2	621.0	614.0	610.5	610.4	610.2	610.1
172.5°	621.3	620.0	621.3	622.6	622.9	618.8	613.3	610.5	610.5	610.5	610.5
175°	618.3	618.3	618.3	618.3	618.3	615.7	612.2	610.5	611.3	613.0	614.2
177.5°	615.7	614.2	615.7	617.1	617.5	615.4	612.7	611.3	611.9	613.2	614.2
180°	614.2	614.2	614.2	614.2	614.2	614.2	614.2	614.2	614.2	614.2	614.2



TEST NUMBER: P934416

CATALOG NUMBER: SQ4-FA-050U-100D-835-1D-UNV-STD-W-8

**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°	10.7	7.4	4.1	7.4	10.7	11.5	18.1	26.9	31.3	27.8	20.9
92.5°	72.6	44.5	16.5	44.5	72.6	79.6	111.9	154.9	176.4	154.6	111.0
95°	142.2	90.9	39.6	90.9	142.2	155.0	275.2	435.5	515.7	460.2	349.2
97.5°	158.9	113.6	68.4	113.6	158.9	170.2	370.7	638.0	771.7	736.6	666.4
100°	172.7	131.7	90.7	131.7	172.7	183.0	405.5	702.1	850.4	853.0	858.1
102.5°	186.2	148.0	109.7	148.0	186.2	195.8	421.4	722.3	872.7	917.4	1006.8
105°	206.7	174.2	141.8	174.2	206.7	214.8	433.3	724.6	870.2	970.4	1170.9
107.5°	235.2	205.0	174.8	205.0	235.2	242.8	435.4	692.3	820.7	960.5	1240.1
110°	251.7	224.3	197.0	224.3	251.7	258.5	432.2	663.7	779.5	935.8	1248.3



TEST NUMBER: P934416

CATALOG NUMBER: SQ4-FA-050U-100D-835-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	270.9	244.9	218.9	244.9	270.9	277.4	432.3	638.8	742.0	901.9	1221.8
115°	299.9	275.9	251.9	275.9	299.9	305.9	436.3	610.2	697.1	851.2	1159.3
117.5°	328.0	306.2	284.4	306.2	328.0	333.5	444.4	592.2	666.1	805.2	1083.3
120°	344.5	323.9	303.4	323.9	344.5	349.6	451.0	586.2	653.8	780.8	1034.9
122.5°	363.3	342.6	321.9	342.6	363.3	368.5	460.4	583.0	644.3	758.7	987.6
125°	388.1	369.2	350.4	369.2	388.1	392.8	473.2	580.4	634.0	731.2	925.6
127.5°	411.5	392.5	373.5	392.5	411.5	416.3	486.0	578.9	625.3	708.8	875.7
130°	426.9	406.3	385.8	406.3	426.9	432.0	495.3	579.8	622.0	696.3	844.9
132.5°	439.7	419.1	398.6	419.1	439.7	444.8	502.9	580.4	619.2	685.7	818.7
135°	454.9	436.3	417.6	436.3	454.9	459.6	511.1	579.8	614.2	669.9	781.3
137.5°	474.0	455.5	437.0	455.5	474.0	478.6	523.5	583.4	613.4	660.5	754.7
140°	487.1	470.1	453.0	470.1	487.1	491.4	531.1	584.0	610.5	651.2	732.5
142.5°	496.9	481.1	465.4	481.1	496.9	500.8	537.4	586.1	610.5	646.2	717.7
145°	511.9	498.1	484.4	498.1	511.9	515.3	545.7	586.2	606.4	635.6	694.1
147.5°	530.1	516.7	503.3	516.7	530.1	533.4	557.7	590.2	606.4	629.4	675.3
150°	539.9	527.8	515.7	527.8	539.9	542.9	564.1	592.3	606.4	625.8	664.7
152.5°	546.8	537.7	528.5	537.7	546.8	549.1	568.2	593.7	606.4	623.0	656.1
155°	561.0	554.2	547.4	554.2	561.0	562.7	577.3	596.7	606.4	619.6	645.9
157.5°	574.6	568.0	561.4	568.0	574.6	576.3	586.3	599.7	606.4	616.6	637.1
160°	581.2	576.1	570.9	576.1	581.2	582.5	590.5	601.1	606.4	615.2	632.7
162.5°	588.1	584.3	580.4	584.3	588.1	589.1	594.9	602.6	606.4	613.8	628.7
165°	597.6	594.2	590.7	594.2	597.6	598.5	601.1	604.6	606.4	611.7	622.3
167.5°	603.5	601.8	600.2	601.8	603.5	603.9	606.1	609.0	610.5	614.0	621.0
170°	609.7	608.0	606.4	608.0	609.7	610.1	610.2	610.4	610.5	614.0	621.0
172.5°	610.4	610.1	609.7	610.1	610.4	610.5	610.5	610.5	610.5	613.3	618.8
175°	614.2	614.2	614.2	614.2	614.2	614.2	613.0	611.3	610.5	612.2	615.7
177.5°	614.2	614.2	614.2	614.2	614.2	614.2	613.2	611.9	611.3	612.7	615.4
180°	614.2	614.2	614.2	614.2	614.2	614.2	614.2	614.2	614.2	614.2	614.2



TEST NUMBER: P934416  
 CATALOG NUMBER: SQ4-FA-050U-100D-835-1D-UNV-STD-W-8

**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°	15.7	15.7	15.7	15.7	15.7	15.7	15.7	20.9	27.8	31.3	26.9
92.5°	78.3	75.2	62.7	50.3	62.7	75.2	78.3	111.0	154.6	176.4	154.9
95°	265.9	256.5	218.7	181.0	218.7	256.5	265.9	349.2	460.2	515.7	435.5
97.5°	613.8	595.8	524.0	452.2	524.0	595.8	613.8	666.4	736.6	771.7	638.0
100°	861.9	840.5	755.0	669.4	755.0	840.5	861.9	858.1	853.0	850.4	702.1
102.5°	1073.8	1055.5	982.2	908.9	982.2	1055.5	1073.8	1006.8	917.4	872.7	722.3
105°	1321.2	1311.3	1271.9	1232.5	1271.9	1311.3	1321.2	1170.9	970.4	870.2	724.6
107.5°	1449.8	1452.2	1461.7	1471.2	1461.7	1452.2	1449.8	1240.1	960.5	820.7	692.3
110°	1482.7	1493.0	1534.0	1575.1	1534.0	1493.0	1482.7	1248.3	935.8	779.5	663.7



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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1461.7	1477.5	1540.5	1603.5	1540.5	1477.5	1461.7	1221.8	901.9	742.0	638.8
115°	1390.4	1412.2	1499.6	1587.0	1499.6	1412.2	1390.4	1159.3	851.2	697.1	610.2
117.5°	1291.9	1316.1	1413.1	1510.0	1413.1	1316.1	1291.9	1083.3	805.2	666.1	592.2
120°	1225.5	1249.0	1343.2	1437.4	1343.2	1249.0	1225.5	1034.9	780.8	653.8	586.2
122.5°	1159.2	1182.4	1275.3	1368.2	1275.3	1182.4	1159.2	987.6	758.7	644.3	583.0
125°	1071.4	1092.8	1178.3	1263.9	1178.3	1092.8	1071.4	925.6	731.2	634.0	580.4
127.5°	1000.9	1018.9	1091.1	1163.3	1091.1	1018.9	1000.9	875.7	708.8	625.3	578.9
130°	956.3	973.0	1039.7	1106.4	1039.7	973.0	956.3	844.9	696.3	622.0	579.8
132.5°	918.4	933.3	993.1	1052.8	993.1	933.3	918.4	818.7	685.7	619.2	580.4
135°	864.8	877.7	929.2	980.7	929.2	877.7	864.8	781.3	669.9	614.2	579.8
137.5°	825.3	835.8	878.0	920.1	878.0	835.8	825.3	754.7	660.5	613.4	583.4
140°	793.5	803.3	842.7	882.1	842.7	803.3	793.5	732.5	651.2	610.5	584.0
142.5°	771.3	779.8	813.6	847.5	813.6	779.8	771.3	717.7	646.2	610.5	586.1
145°	737.9	744.3	770.0	795.6	770.0	744.3	737.9	694.1	635.6	606.4	586.2
147.5°	709.8	715.1	736.4	757.7	736.4	715.1	709.8	675.3	629.4	606.4	590.2
150°	693.8	698.1	715.3	732.5	715.3	698.1	693.8	664.7	625.8	606.4	592.3
152.5°	681.0	684.3	697.3	710.3	697.3	684.3	681.0	656.1	623.0	606.4	593.7
155°	665.7	667.9	676.5	685.1	676.5	667.9	665.7	645.9	619.6	606.4	596.7
157.5°	652.5	654.0	660.1	666.1	660.1	654.0	652.5	637.1	616.6	606.4	599.7
160°	645.9	646.8	650.3	653.8	650.3	646.8	645.9	632.7	615.2	606.4	601.1
162.5°	639.8	640.6	643.9	647.2	643.9	640.6	639.8	628.7	613.8	606.4	602.6
165°	630.3	631.2	634.6	638.1	634.6	631.2	630.3	622.3	611.7	606.4	604.6
167.5°	626.2	626.6	628.0	629.5	628.0	626.6	626.2	621.0	614.0	610.5	609.0
170°	626.2	626.2	626.2	626.2	626.2	626.2	626.2	621.0	614.0	610.5	610.4
172.5°	622.9	622.6	621.3	620.0	621.3	622.6	622.9	618.8	613.3	610.5	610.5
175°	618.3	618.3	618.3	618.3	618.3	618.3	618.3	615.7	612.2	610.5	611.3
177.5°	617.5	617.1	615.7	614.2	615.7	617.1	617.5	615.4	612.7	611.3	611.9
180°	614.2	614.2	614.2	614.2	614.2	614.2	614.2	614.2	614.2	614.2	614.2



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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°	18.1	11.5	10.7	7.4	4.1
92.5°	111.9	79.6	72.6	44.5	16.5
95°	275.2	155.0	142.2	90.9	39.6
97.5°	370.7	170.2	158.9	113.6	68.4
100°	405.5	183.0	172.7	131.7	90.7
102.5°	421.4	195.8	186.2	148.0	109.7
105°	433.3	214.8	206.7	174.2	141.8
107.5°	435.4	242.8	235.2	205.0	174.8
110°	432.2	258.5	251.7	224.3	197.0



TEST NUMBER: P934416

CATALOG NUMBER: SQ4-FA-050U-100D-835-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	432.3	277.4	270.9	244.9	218.9
115°	436.3	305.9	299.9	275.9	251.9
117.5°	444.4	333.5	328.0	306.2	284.4
120°	451.0	349.6	344.5	323.9	303.4
122.5°	460.4	368.5	363.3	342.6	321.9
125°	473.2	392.8	388.1	369.2	350.4
127.5°	486.0	416.3	411.5	392.5	373.5
130°	495.3	432.0	426.9	406.3	385.8
132.5°	502.9	444.8	439.7	419.1	398.6
135°	511.1	459.6	454.9	436.3	417.6
137.5°	523.5	478.6	474.0	455.5	437.0
140°	531.1	491.4	487.1	470.1	453.0
142.5°	537.4	500.8	496.9	481.1	465.4
145°	545.7	515.3	511.9	498.1	484.4
147.5°	557.7	533.4	530.1	516.7	503.3
150°	564.1	542.9	539.9	527.8	515.7
152.5°	568.2	549.1	546.8	537.7	528.5
155°	577.3	562.7	561.0	554.2	547.4
157.5°	586.3	576.3	574.6	568.0	561.4
160°	590.5	582.5	581.2	576.1	570.9
162.5°	594.9	589.1	588.1	584.3	580.4
165°	601.1	598.5	597.6	594.2	590.7
167.5°	606.1	603.9	603.5	601.8	600.2
170°	610.2	610.1	609.7	608.0	606.4
172.5°	610.5	610.5	610.4	610.1	609.7
175°	613.0	614.2	614.2	614.2	614.2
177.5°	613.2	614.2	614.2	614.2	614.2
180°	614.2	614.2	614.2	614.2	614.2



TEST NUMBER: P934416  
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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	14.95	15.96	15.77	16.80	17.85	17.79	18.80	18.61	19.64	20.69
	3H	15.44	16.34	16.27	17.20	18.27	19.15	20.05	19.98	20.91	21.98
	4H	15.64	16.49	16.49	17.35	18.44	19.60	20.45	20.45	21.32	22.40
	6H	15.76	16.55	16.63	17.42	18.52	19.89	20.68	20.76	21.55	22.65
	8H	15.77	16.52	16.64	17.41	18.51	19.97	20.73	20.85	21.61	22.71
	12H	15.74	16.46	16.62	17.34	18.47	20.02	20.73	20.90	21.61	22.74
4H	2H	16.00	16.86	16.86	17.72	18.80	18.22	19.07	19.07	19.93	21.02
	3H	17.04	17.76	17.91	18.65	19.75	19.74	20.45	20.60	21.34	22.44
	4H	17.33	17.97	18.21	18.87	19.99	20.27	20.92	21.15	21.81	22.94
	6H	17.46	18.02	18.35	18.93	20.06	20.65	21.21	21.54	22.12	23.25
	8H	17.47	17.99	18.37	18.90	20.04	20.76	21.28	21.66	22.19	23.34
	12H	17.44	17.91	18.36	18.84	19.99	20.83	21.30	21.74	22.22	23.37
8H	4H	17.79	18.32	18.69	19.23	20.37	20.41	20.93	21.31	21.84	22.99
	6H	18.06	18.49	18.99	19.44	20.59	20.85	21.29	21.78	22.24	23.38
	8H	18.10	18.49	19.04	19.43	20.59	21.01	21.39	21.94	22.33	23.50
	12H	18.10	18.43	19.03	19.37	20.58	21.11	21.45	22.05	22.39	23.60
12H	4H	17.81	18.28	18.72	19.21	20.36	20.38	20.85	21.30	21.78	22.93
	6H	18.12	18.51	19.06	19.45	20.61	20.85	21.24	21.79	22.18	23.34
	8H	18.20	18.53	19.13	19.47	20.68	21.02	21.36	21.96	22.29	23.51