

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: P934515

Luminaire Tested: SQ4-FA-050U-125D-835-1D-UNV-STD-W-6

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934515
REPORT IS A COMBINATION OF REPORTS P933703 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-050U-125D-835-1D-UNV-STD-W-6
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

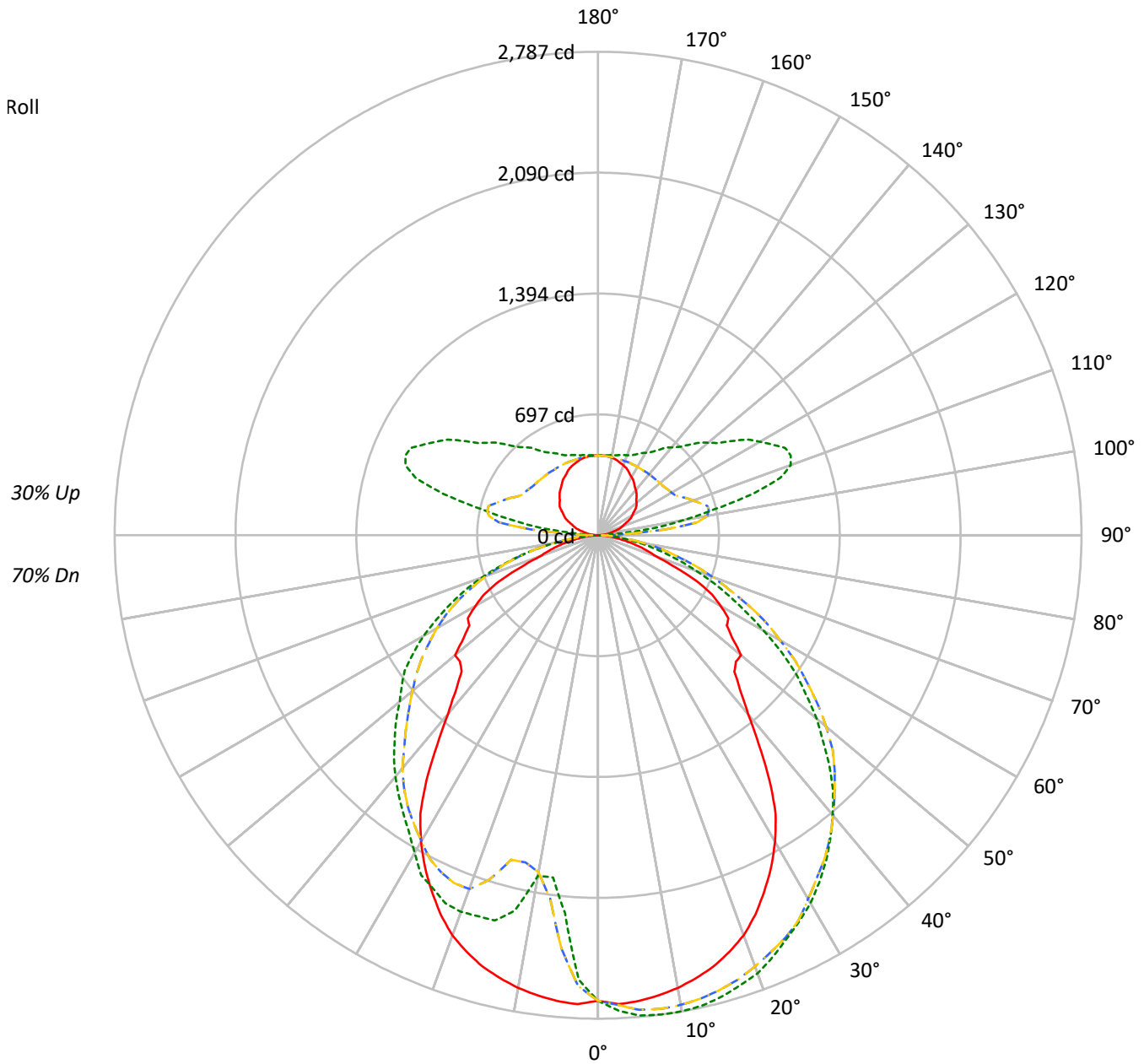
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9944.0 lumens
Efficiency: N/A
Efficacy: 118.4 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 6' x H: 0.1')
CIE Type: Semi-Direct

Input Watts (W): 84
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot



— 0°-180° — 45°-225° - - 90°-270° - . - 135°-315°



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				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	112	112	112	112	106	106	106	106	94	94	94	84	84	84	74	74	74	74	74	74	70
1	102	98	94	90	97	93	89	86	83	80	78	74	72	70	66	65	63	63	63	63	59
2	93	86	79	74	88	81	76	71	73	68	65	65	62	59	58	56	53	53	53	53	50
3	85	75	68	62	80	71	65	59	64	59	54	58	53	50	52	48	45	45	45	45	42
4	78	67	58	52	73	63	56	50	57	51	46	51	47	43	46	42	39	39	39	39	36
5	72	60	51	45	67	57	49	43	51	45	40	46	41	37	41	37	34	34	34	34	31
6	66	53	45	39	62	51	43	38	46	40	35	42	36	32	38	33	30	30	30	30	27
7	61	48	40	34	58	46	39	33	42	36	31	38	33	29	34	30	27	27	27	27	24
8	57	44	36	30	54	42	35	29	38	32	28	35	29	26	31	27	24	24	24	24	22
9	53	40	32	27	50	38	31	26	35	29	25	32	27	23	29	25	21	21	21	21	19
10	49	37	30	25	47	35	28	24	32	26	22	30	25	21	27	23	19	19	19	19	18

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	16596	16596	16596	16596
5°	16714	16753	16714	13173
10°	16596	16503	16596	11798
15°	16410	16145	16410	13481
20°	16060	15722	16060	13510
25°	15351	15104	15351	13223
30°	14437	14591	14437	12595
35°	12865	13942	12865	11904
40°	10713	13178	10713	11382
45°	9566	12285	9566	10782
50°	10156	11218	10156	10180
55°	9545	10069	9545	9831
60°	9828	8552	9828	9005
65°	8896	7069	8896	7902
70°	6145	5634	6145	6624
75°	5369	4165	5369	4987
80°	4296	2753	4296	2998
85°	2421	1458	2421	1240

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 14671 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	242.2	2.4
10°-20°	687.6	6.9
20°-30°	1062.9	10.7
30°-40°	1268.9	12.8
40°-50°	1276.3	12.8
50°-60°	1110.5	11.2
60°-70°	787.4	7.9
70°-80°	416.6	4.2
80°-90°	105.5	1.1
90°-100°	224.5	2.3
100°-110°	590.3	5.9
110°-120°	612.1	6.2
120°-130°	491.0	4.9
130°-140°	385.3	3.9
140°-150°	295.7	3.0
150°-160°	213.0	2.1
160°-170°	130.3	1.3
170°-180°	44.0	0.4
0°-30°	1992.6	20.0
0°-40°	3261.5	32.8
0°-60°	5648.3	56.8
0°-90°	6957.8	70.0
90°-120°	1427.0	14.4
90°-150°	2599.0	26.1
90°-180°	2986.0	30.0
0°-180°	9944.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2683	2683	2683	2683	2683	
5°	2696	2779	2696	2185	2696	256
15°	2574	2754	2574	2300	2574	724
25°	2266	2569	2266	2249	2266	1041
35°	1723	2292	1723	1957	1723	1066
45°	1112	1888	1112	1657	1112	891
55°	906	1393	906	1360	906	833
65°	630	840	630	939	630	602
75°	239	398	239	477	239	251
85°	41	102	41	86	41	55
90°	3	12	3	12	3	4
95°	30	136	30	136	30	33
105°	106	924	106	924	106	113
115°	189	1190	189	1190	189	187
125°	263	948	263	948	263	233
135°	313	736	313	736	313	242
145°	363	597	363	597	363	228
155°	411	514	411	514	411	189
165°	443	479	443	479	443	125
175°	461	464	461	464	461	44
180°	461	461	461	461	461	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2682.8	2682.8	2682.8	2682.8	2682.8	2682.8	2682.8	2682.8	2682.8	2682.8	2682.8
2.5°	2705.6	2705.6	2720.9	2725.9	2725.9	2718.3	2710.7	2718.3	2741.2	2748.8	2746.2
5°	2695.5	2715.8	2743.7	2748.8	2753.9	2751.3	2746.2	2751.3	2776.7	2781.8	2784.3
7.5°	2675.2	2713.2	2748.8	2756.4	2764.0	2756.4	2753.9	2758.9	2784.3	2789.4	2789.4
10°	2649.8	2703.1	2743.7	2748.8	2756.4	2748.8	2748.8	2758.9	2784.3	2789.4	2791.9
12.5°	2614.3	2687.9	2725.9	2731.0	2741.2	2738.6	2736.1	2746.2	2771.6	2776.7	2776.7
15°	2573.7	2659.9	2695.5	2700.6	2718.3	2713.2	2713.2	2723.4	2751.3	2758.9	2756.4
17.5°	2517.8	2624.4	2665.0	2672.6	2685.3	2682.8	2685.3	2695.5	2720.9	2725.9	2728.5
20°	2454.4	2576.2	2624.4	2632.0	2644.7	2644.7	2644.7	2657.4	2682.8	2692.9	2692.9
22.5°	2368.1	2525.4	2576.2	2581.3	2596.5	2596.5	2601.6	2619.3	2642.2	2644.7	2644.7
25°	2266.5	2469.6	2512.7	2528.0	2543.2	2550.8	2558.4	2568.6	2576.2	2573.7	2576.2
27.5°	2159.9	2398.5	2454.4	2464.5	2484.8	2492.4	2502.6	2505.1	2507.7	2515.3	2510.2
30°	2040.6	2299.5	2383.3	2393.4	2426.4	2431.5	2421.4	2426.4	2439.1	2444.2	2449.3
32.5°	1906.1	2152.3	2309.7	2332.5	2363.0	2347.8	2345.2	2352.8	2373.1	2373.1	2378.2
35°	1723.4	2038.1	2241.2	2261.5	2284.3	2266.5	2276.7	2279.2	2291.9	2299.5	2297.0
37.5°	1522.9	1939.1	2170.1	2185.3	2203.1	2180.2	2195.5	2203.1	2213.2	2208.2	2208.2
40°	1345.2	1784.3	2086.3	2096.5	2111.7	2093.9	2109.2	2114.3	2119.3	2114.3	2111.7
42.5°	1213.2	1614.2	1997.5	2010.2	2000.0	2012.7	2017.8	2028.0	2020.3	2010.2	2010.2
45°	1111.7	1568.6	1901.0	1916.3	1901.0	1921.4	1929.0	1929.0	1906.1	1901.0	1898.5
47.5°	1078.7	1477.2	1804.6	1804.6	1797.0	1822.4	1835.1	1817.3	1794.4	1786.8	1786.8
50°	1076.2	1375.7	1672.6	1662.5	1698.0	1728.5	1715.8	1698.0	1680.2	1652.3	1652.3
52.5°	977.2	1251.3	1502.6	1540.6	1596.5	1614.2	1593.9	1576.2	1545.7	1533.0	1522.9
55°	906.1	1121.8	1347.7	1423.9	1482.3	1505.1	1467.0	1449.3	1403.6	1396.0	1390.9
57.5°	890.9	934.0	1205.6	1302.1	1373.1	1370.6	1347.7	1314.7	1276.7	1269.1	1266.5
60°	817.3	675.1	1053.3	1167.5	1241.1	1233.5	1213.2	1182.8	1147.2	1142.2	1137.1
62.5°	741.1	489.9	880.7	1010.2	1114.2	1111.7	1093.9	1048.2	1022.9	1010.2	1000.0
65°	629.5	411.2	626.9	840.1	989.9	994.9	956.9	923.9	896.0	880.7	878.2
67.5°	479.7	335.0	423.9	700.5	870.6	865.5	817.3	802.0	766.5	758.9	743.7
70°	355.3	223.4	294.4	568.5	753.8	741.1	703.1	685.3	652.3	634.5	624.4
72.5°	294.4	180.2	215.7	441.6	634.5	619.3	586.3	566.0	538.1	522.9	512.7
75°	238.6	190.4	165.0	327.4	515.2	505.1	474.6	454.3	431.5	411.2	413.7
77.5°	175.1	177.7	132.0	241.1	408.6	393.4	375.6	350.3	340.1	319.8	319.8
80°	132.0	139.6	99.0	165.0	294.4	294.4	279.2	261.4	243.7	233.5	233.5
82.5°	88.8	88.8	73.6	104.1	200.5	192.9	182.7	177.7	167.5	162.4	162.4
85°	40.6	50.8	45.7	63.5	109.1	114.2	114.2	109.1	106.6	101.5	104.1
87.5°	12.7	22.8	27.9	35.5	55.8	58.4	60.9	60.9	60.9	63.5	63.5
90°	3.1	5.6	8.1	8.7	13.6	20.2	23.5	20.9	15.6	11.7	11.7
92.5°	12.4	33.4	54.4	59.7	83.9	116.2	132.3	115.9	83.2	58.7	56.4
95°	29.7	68.1	106.6	116.2	206.4	326.7	386.8	345.2	261.9	199.4	192.3
97.5°	51.3	85.3	119.2	127.7	278.1	478.6	578.8	552.5	499.8	460.3	446.8
100°	68.0	98.8	129.6	137.3	304.1	526.6	637.8	639.7	643.6	646.5	630.5
102.5°	82.2	111.0	139.7	146.9	316.1	541.7	654.5	688.0	755.1	805.4	791.7
105°	106.4	130.7	155.0	161.1	324.9	543.4	652.6	727.8	878.1	990.9	983.5
107.5°	131.1	153.8	176.4	182.1	326.6	519.2	615.5	720.3	930.0	1087.3	1089.1
110°	147.8	168.2	188.7	193.8	324.1	497.8	584.6	701.8	936.3	1112.1	1119.8



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	164.2	183.7	203.2	208.1	324.2	479.1	556.5	676.5	916.4	1096.3	1108.1
115°	188.9	206.9	224.9	229.4	327.2	457.6	522.8	638.4	869.5	1042.8	1059.2
117.5°	213.3	229.7	246.0	250.1	333.3	444.2	499.6	603.9	812.5	968.9	987.1
120°	227.5	242.9	258.3	262.2	338.2	439.6	490.3	585.6	776.2	919.1	936.8
122.5°	241.5	257.0	272.5	276.4	345.3	437.2	483.2	569.0	740.7	869.4	886.8
125°	262.8	276.9	291.1	294.6	354.9	435.3	475.5	548.4	694.2	803.5	819.5
127.5°	280.1	294.4	308.7	312.3	364.5	434.2	469.0	531.6	656.7	750.6	764.1
130°	289.4	304.8	320.2	324.0	371.5	434.8	466.5	522.2	633.7	717.3	729.8
132.5°	299.0	314.4	329.8	333.6	377.2	435.3	464.4	514.3	614.0	688.8	700.0
135°	313.2	327.2	341.2	344.7	383.4	434.9	460.7	502.5	586.0	648.6	658.3
137.5°	327.7	341.6	355.4	358.9	392.6	437.5	460.0	495.3	565.9	618.9	626.8
140°	339.8	352.6	365.3	368.5	398.3	438.0	457.9	488.4	549.4	595.1	602.5
142.5°	349.0	360.8	372.6	375.6	403.0	439.6	457.9	484.7	538.2	578.4	584.8
145°	363.3	373.6	383.9	386.5	409.3	439.6	454.8	476.7	520.5	553.4	558.2
147.5°	377.5	387.5	397.6	400.1	418.3	442.6	454.8	472.0	506.5	532.4	536.4
150°	386.8	395.9	404.9	407.2	423.1	444.2	454.8	469.4	498.5	520.3	523.5
152.5°	396.3	403.2	410.1	411.8	426.1	445.2	454.8	467.2	492.1	510.7	513.1
155°	410.6	415.7	420.7	422.0	432.9	447.5	454.8	464.7	484.5	499.3	500.9
157.5°	421.1	426.0	431.0	432.2	439.7	449.8	454.8	462.5	477.9	489.4	490.5
160°	428.2	432.0	435.8	436.8	442.8	450.8	454.8	461.4	474.6	484.5	485.1
162.5°	435.3	438.2	441.1	441.8	446.1	451.9	454.8	460.4	471.5	479.8	480.4
165°	443.0	445.6	448.2	448.9	450.9	453.5	454.8	458.8	466.7	472.7	473.4
167.5°	450.1	451.3	452.6	452.9	454.6	456.8	457.9	460.5	465.7	469.6	469.9
170°	454.8	456.0	457.3	457.6	457.7	457.8	457.9	460.5	465.7	469.6	469.6
172.5°	457.3	457.6	457.8	457.9	457.9	457.9	457.9	459.9	464.0	467.1	466.9
175°	460.7	460.7	460.7	460.7	459.8	458.5	457.9	459.2	461.8	463.7	463.7
177.5°	460.7	460.7	460.7	460.7	460.0	459.0	458.5	459.5	461.6	463.1	462.8
180°	460.7	460.7	460.7	460.7	460.7	460.7	460.7	460.7	460.7	460.7	460.7



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2682.8	2682.8	2682.8	2682.8	2682.8	2682.8	2682.8	2682.8	2682.8	2682.8	2682.8
2.5°	2751.3	2743.7	2751.3	2746.2	2748.8	2741.2	2718.3	2710.7	2718.3	2725.9	2725.9
5°	2784.3	2779.2	2784.3	2784.3	2781.8	2776.7	2751.3	2746.2	2751.3	2753.9	2748.8
7.5°	2794.5	2786.9	2794.5	2789.4	2789.4	2784.3	2758.9	2753.9	2756.4	2764.0	2756.4
10°	2794.5	2786.9	2794.5	2791.9	2789.4	2784.3	2758.9	2748.8	2748.8	2756.4	2748.8
12.5°	2781.8	2776.7	2781.8	2776.7	2776.7	2771.6	2746.2	2736.1	2738.6	2741.2	2731.0
15°	2761.5	2753.9	2761.5	2756.4	2758.9	2751.3	2723.4	2713.2	2713.2	2718.3	2700.6
17.5°	2731.0	2720.9	2731.0	2728.5	2725.9	2720.9	2695.5	2685.3	2682.8	2685.3	2672.6
20°	2695.5	2687.9	2695.5	2692.9	2692.9	2682.8	2657.4	2644.7	2644.7	2644.7	2632.0
22.5°	2639.6	2632.0	2639.6	2644.7	2644.7	2642.2	2619.3	2601.6	2596.5	2596.5	2581.3
25°	2576.2	2568.6	2576.2	2576.2	2573.7	2576.2	2568.6	2558.4	2550.8	2543.2	2528.0
27.5°	2515.3	2510.2	2515.3	2510.2	2515.3	2507.7	2505.1	2502.6	2492.4	2484.8	2464.5
30°	2454.4	2449.3	2454.4	2449.3	2444.2	2439.1	2426.4	2421.4	2431.5	2426.4	2393.4
32.5°	2378.2	2373.1	2378.2	2378.2	2373.1	2373.1	2352.8	2345.2	2347.8	2363.0	2332.5
35°	2299.5	2291.9	2299.5	2297.0	2299.5	2291.9	2279.2	2276.7	2266.5	2284.3	2261.5
37.5°	2208.2	2200.5	2208.2	2208.2	2208.2	2213.2	2203.1	2195.5	2180.2	2203.1	2185.3
40°	2114.3	2104.1	2114.3	2111.7	2114.3	2119.3	2114.3	2109.2	2093.9	2111.7	2096.5
42.5°	2007.7	2005.1	2007.7	2010.2	2010.2	2020.3	2028.0	2017.8	2012.7	2000.0	2010.2
45°	1893.4	1888.4	1893.4	1898.5	1901.0	1906.1	1929.0	1929.0	1921.4	1901.0	1916.3
47.5°	1771.6	1758.9	1771.6	1786.8	1786.8	1794.4	1817.3	1835.1	1822.4	1797.0	1804.6
50°	1642.2	1644.7	1642.2	1652.3	1652.3	1680.2	1698.0	1715.8	1728.5	1698.0	1662.5
52.5°	1515.3	1512.7	1515.3	1522.9	1533.0	1545.7	1576.2	1593.9	1614.2	1596.5	1540.6
55°	1388.3	1393.4	1388.3	1390.9	1396.0	1403.6	1449.3	1467.0	1505.1	1482.3	1423.9
57.5°	1261.4	1253.8	1261.4	1266.5	1269.1	1276.7	1314.7	1347.7	1370.6	1373.1	1302.1
60°	1114.2	1104.1	1114.2	1137.1	1142.2	1147.2	1182.8	1213.2	1233.5	1241.1	1167.5
62.5°	984.8	967.0	984.8	1000.0	1010.2	1022.9	1048.2	1093.9	1111.7	1114.2	1010.2
65°	847.7	840.1	847.7	878.2	880.7	896.0	923.9	956.9	994.9	989.9	840.1
67.5°	723.4	723.4	723.4	743.7	758.9	766.5	802.0	817.3	865.5	870.6	700.5
70°	609.1	606.6	609.1	624.4	634.5	652.3	685.3	703.1	741.1	753.8	568.5
72.5°	500.0	497.5	500.0	512.7	522.9	538.1	566.0	586.3	619.3	634.5	441.6
75°	403.6	398.5	403.6	413.7	411.2	431.5	454.3	474.6	505.1	515.2	327.4
77.5°	309.7	309.7	309.7	319.8	319.8	340.1	350.3	375.6	393.4	408.6	241.1
80°	231.0	228.4	231.0	233.5	233.5	243.7	261.4	279.2	294.4	294.4	165.0
82.5°	162.4	157.4	162.4	162.4	162.4	167.5	177.7	182.7	192.9	200.5	104.1
85°	101.5	101.5	101.5	104.1	101.5	106.6	109.1	114.2	114.2	109.1	63.5
87.5°	66.0	63.5	66.0	63.5	63.5	60.9	60.9	60.9	58.4	55.8	35.5
90°	11.7	11.7	11.7	11.7	11.7	15.6	20.9	23.5	20.2	13.6	8.7
92.5°	47.0	37.7	47.0	56.4	58.7	83.2	115.9	132.3	116.2	83.9	59.7
95°	164.0	135.7	164.0	192.3	199.4	261.9	345.2	386.8	326.7	206.4	116.2
97.5°	393.0	339.2	393.0	446.8	460.3	499.8	552.5	578.8	478.6	278.1	127.7
100°	566.3	502.1	566.3	630.5	646.5	643.6	639.7	637.8	526.6	304.1	137.3
102.5°	736.7	681.7	736.7	791.7	805.4	755.1	688.0	654.5	541.7	316.1	146.9
105°	954.0	924.4	954.0	983.5	990.9	878.1	727.8	652.6	543.4	324.9	161.1
107.5°	1096.2	1103.4	1096.2	1089.1	1087.3	930.0	720.3	615.5	519.2	326.6	182.1
110°	1150.5	1181.3	1150.5	1119.8	1112.1	936.3	701.8	584.6	497.8	324.1	193.8



TEST NUMBER: P934515

CATALOG NUMBER: SQ4-FA-050U-125D-835-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	1155.4	1202.6	1155.4	1108.1	1096.3	916.4	676.5	556.5	479.1	324.2	208.1
115°	1124.7	1190.3	1124.7	1059.2	1042.8	869.5	638.4	522.8	457.6	327.2	229.4
117.5°	1059.8	1132.5	1059.8	987.1	968.9	812.5	603.9	499.6	444.2	333.3	250.1
120°	1007.4	1078.1	1007.4	936.8	919.1	776.2	585.6	490.3	439.6	338.2	262.2
122.5°	956.5	1026.1	956.5	886.8	869.4	740.7	569.0	483.2	437.2	345.3	276.4
125°	883.7	947.9	883.7	819.5	803.5	694.2	548.4	475.5	435.3	354.9	294.6
127.5°	818.3	872.5	818.3	764.1	750.6	656.7	531.6	469.0	434.2	364.5	312.3
130°	779.8	829.8	779.8	729.8	717.3	633.7	522.2	466.5	434.8	371.5	324.0
132.5°	744.8	789.6	744.8	700.0	688.8	614.0	514.3	464.4	435.3	377.2	333.6
135°	696.9	735.5	696.9	658.3	648.6	586.0	502.5	460.7	434.9	383.4	344.7
137.5°	658.5	690.1	658.5	626.8	618.9	565.9	495.3	460.0	437.5	392.6	358.9
140°	632.0	661.6	632.0	602.5	595.1	549.4	488.4	457.9	438.0	398.3	368.5
142.5°	610.2	635.6	610.2	584.8	578.4	538.2	484.7	457.9	439.6	403.0	375.6
145°	577.5	596.7	577.5	558.2	553.4	520.5	476.7	454.8	439.6	409.3	386.5
147.5°	552.3	568.2	552.3	536.4	532.4	506.5	472.0	454.8	442.6	418.3	400.1
150°	536.5	549.4	536.5	523.5	520.3	498.5	469.4	454.8	444.2	423.1	407.2
152.5°	522.9	532.7	522.9	513.1	510.7	492.1	467.2	454.8	445.2	426.1	411.8
155°	507.4	513.8	507.4	500.9	499.3	484.5	464.7	454.8	447.5	432.9	422.0
157.5°	495.1	499.6	495.1	490.5	489.4	477.9	462.5	454.8	449.8	439.7	432.2
160°	487.7	490.3	487.7	485.1	484.5	474.6	461.4	454.8	450.8	442.8	436.8
162.5°	482.9	485.4	482.9	480.4	479.8	471.5	460.4	454.8	451.9	446.1	441.8
165°	476.0	478.6	476.0	473.4	472.7	466.7	458.8	454.8	453.5	450.9	448.9
167.5°	471.0	472.1	471.0	469.9	469.6	465.7	460.5	457.9	456.8	454.6	452.9
170°	469.6	469.6	469.6	469.6	469.6	465.7	460.5	457.9	457.8	457.7	457.6
172.5°	465.9	465.0	465.9	466.9	467.1	464.0	459.9	457.9	457.9	457.9	457.9
175°	463.7	463.7	463.7	463.7	463.7	461.8	459.2	457.9	458.5	459.8	460.7
177.5°	461.8	460.7	461.8	462.8	463.1	461.6	459.5	458.5	459.0	460.0	460.7
180°	460.7	460.7	460.7	460.7	460.7	460.7	460.7	460.7	460.7	460.7	460.7



TEST NUMBER: P934515

CATALOG NUMBER: SQ4-FA-050U-125D-835-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2682.8	2682.8	2682.8	2682.8	2682.8	2682.8	2682.8	2682.8	2682.8	2682.8	2682.8
2.5°	2720.9	2705.6	2705.6	2680.3	2670.1	2662.5	2649.8	2611.7	2601.6	2591.4	2606.6
5°	2743.7	2715.8	2695.5	2649.8	2611.7	2596.5	2548.3	2456.9	2396.0	2350.3	2324.9
7.5°	2748.8	2713.2	2675.2	2604.1	2512.7	2472.1	2324.9	2157.4	2111.7	2071.1	2045.7
10°	2743.7	2703.1	2649.8	2543.2	2327.5	2256.4	2109.2	2000.0	1972.1	1964.5	1972.1
12.5°	2725.9	2687.9	2614.3	2436.6	2134.6	2086.3	2000.0	1936.6	1931.5	1944.2	2012.7
15°	2695.5	2659.9	2573.7	2294.5	2028.0	1992.4	1931.5	1908.7	1936.6	2025.4	2231.0
17.5°	2665.0	2624.4	2517.8	2154.9	1946.7	1921.4	1878.2	1923.9	2081.3	2200.5	2269.1
20°	2624.4	2576.2	2454.4	2053.3	1888.4	1865.5	1845.2	2050.8	2170.1	2213.2	2251.3
22.5°	2576.2	2525.4	2368.1	1982.3	1827.4	1809.7	1822.4	2121.9	2170.1	2200.5	2233.5
25°	2512.7	2469.6	2266.5	1926.4	1779.2	1758.9	1807.1	2114.3	2142.2	2149.8	2215.8
27.5°	2454.4	2398.5	2159.9	1875.7	1720.8	1713.2	1819.8	2081.3	2101.6	2109.2	2180.2
30°	2383.3	2299.5	2040.6	1822.4	1659.9	1657.4	1822.4	2040.6	2035.6	2055.9	2126.9
32.5°	2309.7	2152.3	1906.1	1756.4	1601.6	1599.0	1804.6	1979.7	1974.7	2002.6	2055.9
35°	2241.2	2038.1	1723.4	1680.2	1527.9	1530.5	1761.5	1908.7	1911.2	1936.6	1969.6
37.5°	2170.1	1939.1	1522.9	1596.5	1456.9	1456.9	1703.1	1842.7	1837.6	1845.2	1890.9
40°	2086.3	1784.3	1345.2	1487.3	1390.9	1383.3	1632.0	1771.6	1753.8	1751.3	1814.8
42.5°	1997.5	1614.2	1213.2	1342.7	1314.7	1304.6	1545.7	1685.3	1652.3	1659.9	1741.1
45°	1901.0	1568.6	1111.7	1134.5	1236.1	1228.4	1451.8	1586.3	1563.5	1583.8	1667.5
47.5°	1804.6	1477.2	1078.7	941.6	1152.3	1149.8	1347.7	1489.9	1477.2	1497.5	1586.3
50°	1672.6	1375.7	1076.2	807.1	1058.4	1068.5	1223.4	1396.0	1396.0	1413.7	1507.6
52.5°	1502.6	1251.3	977.2	731.0	949.3	979.7	1114.2	1314.7	1319.8	1337.6	1421.3
55°	1347.7	1121.8	906.1	672.6	819.8	885.8	1007.6	1231.0	1241.1	1258.9	1335.0
57.5°	1205.6	934.0	890.9	604.1	700.5	764.0	913.7	1149.8	1154.8	1170.1	1243.7
60°	1053.3	675.1	817.3	530.5	596.5	644.7	827.4	1053.3	1071.1	1081.2	1144.7
62.5°	880.7	489.9	741.1	479.7	545.7	555.8	756.4	961.9	984.8	992.4	1030.5
65°	626.9	411.2	629.5	436.6	492.4	494.9	680.2	868.0	888.3	901.0	929.0
67.5°	423.9	335.0	479.7	395.9	451.8	454.3	606.6	758.9	786.8	797.0	814.7
70°	294.4	223.4	355.3	352.8	406.1	411.2	527.9	659.9	685.3	692.9	703.1
72.5°	215.7	180.2	294.4	317.3	357.9	363.0	446.7	548.2	573.6	581.2	586.3
75°	165.0	190.4	238.6	276.7	304.6	307.1	365.5	446.7	464.5	469.6	472.1
77.5°	132.0	177.7	175.1	223.4	248.7	243.7	286.8	345.2	360.4	360.4	360.4
80°	99.0	139.6	132.0	159.9	182.7	177.7	205.6	246.2	251.3	256.3	253.8
82.5°	73.6	88.8	88.8	101.5	121.8	116.8	137.1	159.9	159.9	159.9	165.0
85°	45.7	50.8	40.6	53.3	68.5	66.0	76.1	86.3	88.8	88.8	83.8
87.5°	27.9	22.8	12.7	20.3	30.5	30.5	35.5	38.1	35.5	35.5	35.5
90°	8.1	5.6	3.1	5.6	8.1	8.7	13.6	20.2	23.5	20.9	15.6
92.5°	54.4	33.4	12.4	33.4	54.4	59.7	83.9	116.2	132.3	115.9	83.2
95°	106.6	68.1	29.7	68.1	106.6	116.2	206.4	326.7	386.8	345.2	261.9
97.5°	119.2	85.3	51.3	85.3	119.2	127.7	278.1	478.6	578.8	552.5	499.8
100°	129.6	98.8	68.0	98.8	129.6	137.3	304.1	526.6	637.8	639.7	643.6
102.5°	139.7	111.0	82.2	111.0	139.7	146.9	316.1	541.7	654.5	688.0	755.1
105°	155.0	130.7	106.4	130.7	155.0	161.1	324.9	543.4	652.6	727.8	878.1
107.5°	176.4	153.8	131.1	153.8	176.4	182.1	326.6	519.2	615.5	720.3	930.0
110°	188.7	168.2	147.8	168.2	188.7	193.8	324.1	497.8	584.6	701.8	936.3



TEST NUMBER: P934515

CATALOG NUMBER: SQ4-FA-050U-125D-835-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	203.2	183.7	164.2	183.7	203.2	208.1	324.2	479.1	556.5	676.5	916.4
115°	224.9	206.9	188.9	206.9	224.9	229.4	327.2	457.6	522.8	638.4	869.5
117.5°	246.0	229.7	213.3	229.7	246.0	250.1	333.3	444.2	499.6	603.9	812.5
120°	258.3	242.9	227.5	242.9	258.3	262.2	338.2	439.6	490.3	585.6	776.2
122.5°	272.5	257.0	241.5	257.0	272.5	276.4	345.3	437.2	483.2	569.0	740.7
125°	291.1	276.9	262.8	276.9	291.1	294.6	354.9	435.3	475.5	548.4	694.2
127.5°	308.7	294.4	280.1	294.4	308.7	312.3	364.5	434.2	469.0	531.6	656.7
130°	320.2	304.8	289.4	304.8	320.2	324.0	371.5	434.8	466.5	522.2	633.7
132.5°	329.8	314.4	299.0	314.4	329.8	333.6	377.2	435.3	464.4	514.3	614.0
135°	341.2	327.2	313.2	327.2	341.2	344.7	383.4	434.9	460.7	502.5	586.0
137.5°	355.4	341.6	327.7	341.6	355.4	358.9	392.6	437.5	460.0	495.3	565.9
140°	365.3	352.6	339.8	352.6	365.3	368.5	398.3	438.0	457.9	488.4	549.4
142.5°	372.6	360.8	349.0	360.8	372.6	375.6	403.0	439.6	457.9	484.7	538.2
145°	383.9	373.6	363.3	373.6	383.9	386.5	409.3	439.6	454.8	476.7	520.5
147.5°	397.6	387.5	377.5	387.5	397.6	400.1	418.3	442.6	454.8	472.0	506.5
150°	404.9	395.9	386.8	395.9	404.9	407.2	423.1	444.2	454.8	469.4	498.5
152.5°	410.1	403.2	396.3	403.2	410.1	411.8	426.1	445.2	454.8	467.2	492.1
155°	420.7	415.7	410.6	415.7	420.7	422.0	432.9	447.5	454.8	464.7	484.5
157.5°	431.0	426.0	421.1	426.0	431.0	432.2	439.7	449.8	454.8	462.5	477.9
160°	435.8	432.0	428.2	432.0	435.8	436.8	442.8	450.8	454.8	461.4	474.6
162.5°	441.1	438.2	435.3	438.2	441.1	441.8	446.1	451.9	454.8	460.4	471.5
165°	448.2	445.6	443.0	445.6	448.2	448.9	450.9	453.5	454.8	458.8	466.7
167.5°	452.6	451.3	450.1	451.3	452.6	452.9	454.6	456.8	457.9	460.5	465.7
170°	457.3	456.0	454.8	456.0	457.3	457.6	457.7	457.8	457.9	460.5	465.7
172.5°	457.8	457.6	457.3	457.6	457.8	457.9	457.9	457.9	457.9	459.9	464.0
175°	460.7	460.7	460.7	460.7	460.7	460.7	459.8	458.5	457.9	459.2	461.8
177.5°	460.7	460.7	460.7	460.7	460.7	460.7	460.0	459.0	458.5	459.5	461.6
180°	460.7	460.7	460.7	460.7	460.7	460.7	460.7	460.7	460.7	460.7	460.7



TEST NUMBER: P934515
 CATALOG NUMBER: SQ4-FA-050U-125D-835-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2682.8	2682.8	2682.8	2682.8	2682.8	2682.8	2682.8	2682.8	2682.8	2682.8	2682.8
2.5°	2588.9	2581.3	2591.4	2563.5	2591.4	2581.3	2588.9	2606.6	2591.4	2601.6	2611.7
5°	2271.6	2258.9	2218.3	2185.3	2218.3	2258.9	2271.6	2324.9	2350.3	2396.0	2456.9
7.5°	2030.5	2020.3	2010.2	1989.9	2010.2	2020.3	2030.5	2045.7	2071.1	2111.7	2157.4
10°	1977.2	1979.7	1995.0	1992.4	1995.0	1979.7	1977.2	1972.1	1964.5	1972.1	2000.0
12.5°	2114.3	2137.1	2220.9	2215.8	2220.9	2137.1	2114.3	2012.7	1944.2	1931.5	1936.6
15°	2271.6	2279.2	2297.0	2299.5	2297.0	2279.2	2271.6	2231.0	2025.4	1936.6	1908.7
17.5°	2286.8	2289.4	2302.1	2302.1	2302.1	2289.4	2286.8	2269.1	2200.5	2081.3	1923.9
20°	2274.2	2279.2	2304.6	2309.7	2304.6	2279.2	2274.2	2251.3	2213.2	2170.1	2050.8
22.5°	2269.1	2279.2	2299.5	2297.0	2299.5	2279.2	2269.1	2233.5	2200.5	2170.1	2121.9
25°	2243.7	2243.7	2246.2	2248.8	2246.2	2243.7	2243.7	2215.8	2149.8	2142.2	2114.3
27.5°	2190.4	2195.5	2210.7	2208.2	2210.7	2195.5	2190.4	2180.2	2109.2	2101.6	2081.3
30°	2142.2	2137.1	2124.4	2114.3	2124.4	2137.1	2142.2	2126.9	2055.9	2035.6	2040.6
32.5°	2061.0	2048.3	2035.6	2028.0	2035.6	2048.3	2061.0	2055.9	2002.6	1974.7	1979.7
35°	1964.5	1967.0	1964.5	1956.9	1964.5	1967.0	1964.5	1969.6	1936.6	1911.2	1908.7
37.5°	1896.0	1901.0	1898.5	1888.4	1898.5	1901.0	1896.0	1890.9	1845.2	1837.6	1842.7
40°	1824.9	1827.4	1824.9	1817.3	1824.9	1827.4	1824.9	1814.8	1751.3	1753.8	1771.6
42.5°	1756.4	1753.8	1746.2	1741.1	1746.2	1753.8	1756.4	1741.1	1659.9	1652.3	1685.3
45°	1677.7	1680.2	1665.0	1657.4	1665.0	1680.2	1677.7	1667.5	1583.8	1563.5	1586.3
47.5°	1599.0	1599.0	1586.3	1578.7	1586.3	1599.0	1599.0	1586.3	1497.5	1477.2	1489.9
50°	1515.3	1512.7	1495.0	1492.4	1495.0	1512.7	1515.3	1507.6	1413.7	1396.0	1396.0
52.5°	1418.8	1418.8	1421.3	1426.4	1421.3	1418.8	1418.8	1421.3	1337.6	1319.8	1314.7
55°	1335.0	1337.6	1355.4	1360.4	1355.4	1337.6	1335.0	1335.0	1258.9	1241.1	1231.0
57.5°	1248.8	1248.8	1261.4	1261.4	1261.4	1248.8	1248.8	1243.7	1170.1	1154.8	1149.8
60°	1149.8	1154.8	1165.0	1162.5	1165.0	1154.8	1149.8	1144.7	1081.2	1071.1	1053.3
62.5°	1045.7	1050.8	1053.3	1048.2	1053.3	1050.8	1045.7	1030.5	992.4	984.8	961.9
65°	936.6	941.6	944.2	939.1	944.2	941.6	936.6	929.0	901.0	888.3	868.0
67.5°	824.9	822.3	819.8	830.0	819.8	822.3	824.9	814.7	797.0	786.8	758.9
70°	710.7	710.7	708.1	713.2	708.1	710.7	710.7	703.1	692.9	685.3	659.9
72.5°	588.8	586.3	596.5	588.8	596.5	586.3	588.8	586.3	581.2	573.6	548.2
75°	469.6	474.6	469.6	477.2	469.6	474.6	469.6	472.1	469.6	464.5	446.7
77.5°	357.9	363.0	357.9	357.9	357.9	363.0	357.9	360.4	360.4	360.4	345.2
80°	253.8	251.3	251.3	248.7	251.3	251.3	253.8	253.8	256.3	251.3	246.2
82.5°	162.4	159.9	159.9	165.0	159.9	159.9	162.4	165.0	159.9	159.9	159.9
85°	88.8	91.4	86.3	86.3	86.3	91.4	88.8	83.8	88.8	88.8	86.3
87.5°	33.0	30.5	30.5	30.5	30.5	30.5	33.0	35.5	35.5	35.5	38.1
90°	11.7	11.7	11.7	11.7	11.7	11.7	11.7	15.6	20.9	23.5	20.2
92.5°	58.7	56.4	47.0	37.7	47.0	56.4	58.7	83.2	115.9	132.3	116.2
95°	199.4	192.3	164.0	135.7	164.0	192.3	199.4	261.9	345.2	386.8	326.7
97.5°	460.3	446.8	393.0	339.2	393.0	446.8	460.3	499.8	552.5	578.8	478.6
100°	646.5	630.5	566.3	502.1	566.3	630.5	646.5	643.6	639.7	637.8	526.6
102.5°	805.4	791.7	736.7	681.7	736.7	791.7	805.4	755.1	688.0	654.5	541.7
105°	990.9	983.5	954.0	924.4	954.0	983.5	990.9	878.1	727.8	652.6	543.4
107.5°	1087.3	1089.1	1096.2	1103.4	1096.2	1089.1	1087.3	930.0	720.3	615.5	519.2
110°	1112.1	1119.8	1150.5	1181.3	1150.5	1119.8	1112.1	936.3	701.8	584.6	497.8



TEST NUMBER: P934515

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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1096.3	1108.1	1155.4	1202.6	1155.4	1108.1	1096.3	916.4	676.5	556.5	479.1
115°	1042.8	1059.2	1124.7	1190.3	1124.7	1059.2	1042.8	869.5	638.4	522.8	457.6
117.5°	968.9	987.1	1059.8	1132.5	1059.8	987.1	968.9	812.5	603.9	499.6	444.2
120°	919.1	936.8	1007.4	1078.1	1007.4	936.8	919.1	776.2	585.6	490.3	439.6
122.5°	869.4	886.8	956.5	1026.1	956.5	886.8	869.4	740.7	569.0	483.2	437.2
125°	803.5	819.5	883.7	947.9	883.7	819.5	803.5	694.2	548.4	475.5	435.3
127.5°	750.6	764.1	818.3	872.5	818.3	764.1	750.6	656.7	531.6	469.0	434.2
130°	717.3	729.8	779.8	829.8	779.8	729.8	717.3	633.7	522.2	466.5	434.8
132.5°	688.8	700.0	744.8	789.6	744.8	700.0	688.8	614.0	514.3	464.4	435.3
135°	648.6	658.3	696.9	735.5	696.9	658.3	648.6	586.0	502.5	460.7	434.9
137.5°	618.9	626.8	658.5	690.1	658.5	626.8	618.9	565.9	495.3	460.0	437.5
140°	595.1	602.5	632.0	661.6	632.0	602.5	595.1	549.4	488.4	457.9	438.0
142.5°	578.4	584.8	610.2	635.6	610.2	584.8	578.4	538.2	484.7	457.9	439.6
145°	553.4	558.2	577.5	596.7	577.5	558.2	553.4	520.5	476.7	454.8	439.6
147.5°	532.4	536.4	552.3	568.2	552.3	536.4	532.4	506.5	472.0	454.8	442.6
150°	520.3	523.5	536.5	549.4	536.5	523.5	520.3	498.5	469.4	454.8	444.2
152.5°	510.7	513.1	522.9	532.7	522.9	513.1	510.7	492.1	467.2	454.8	445.2
155°	499.3	500.9	507.4	513.8	507.4	500.9	499.3	484.5	464.7	454.8	447.5
157.5°	489.4	490.5	495.1	499.6	495.1	490.5	489.4	477.9	462.5	454.8	449.8
160°	484.5	485.1	487.7	490.3	487.7	485.1	484.5	474.6	461.4	454.8	450.8
162.5°	479.8	480.4	482.9	485.4	482.9	480.4	479.8	471.5	460.4	454.8	451.9
165°	472.7	473.4	476.0	478.6	476.0	473.4	472.7	466.7	458.8	454.8	453.5
167.5°	469.6	469.9	471.0	472.1	471.0	469.9	469.6	465.7	460.5	457.9	456.8
170°	469.6	469.6	469.6	469.6	469.6	469.6	469.6	465.7	460.5	457.9	457.8
172.5°	467.1	466.9	465.9	465.0	465.9	466.9	467.1	464.0	459.9	457.9	457.9
175°	463.7	463.7	463.7	463.7	463.7	463.7	463.7	461.8	459.2	457.9	458.5
177.5°	463.1	462.8	461.8	460.7	461.8	462.8	463.1	461.6	459.5	458.5	459.0
180°	460.7	460.7	460.7	460.7	460.7	460.7	460.7	460.7	460.7	460.7	460.7



TEST NUMBER: P934515
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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	2682.8	2682.8	2682.8	2682.8	2682.8
2.5°	2649.8	2662.5	2670.1	2680.3	2705.6
5°	2548.3	2596.5	2611.7	2649.8	2695.5
7.5°	2324.9	2472.1	2512.7	2604.1	2675.2
10°	2109.2	2256.4	2327.5	2543.2	2649.8
12.5°	2000.0	2086.3	2134.6	2436.6	2614.3
15°	1931.5	1992.4	2028.0	2294.5	2573.7
17.5°	1878.2	1921.4	1946.7	2154.9	2517.8
20°	1845.2	1865.5	1888.4	2053.3	2454.4
22.5°	1822.4	1809.7	1827.4	1982.3	2368.1
25°	1807.1	1758.9	1779.2	1926.4	2266.5
27.5°	1819.8	1713.2	1720.8	1875.7	2159.9
30°	1822.4	1657.4	1659.9	1822.4	2040.6
32.5°	1804.6	1599.0	1601.6	1756.4	1906.1
35°	1761.5	1530.5	1527.9	1680.2	1723.4
37.5°	1703.1	1456.9	1456.9	1596.5	1522.9
40°	1632.0	1383.3	1390.9	1487.3	1345.2
42.5°	1545.7	1304.6	1314.7	1342.7	1213.2
45°	1451.8	1228.4	1236.1	1134.5	1111.7
47.5°	1347.7	1149.8	1152.3	941.6	1078.7
50°	1223.4	1068.5	1058.4	807.1	1076.2
52.5°	1114.2	979.7	949.3	731.0	977.2
55°	1007.6	885.8	819.8	672.6	906.1
57.5°	913.7	764.0	700.5	604.1	890.9
60°	827.4	644.7	596.5	530.5	817.3
62.5°	756.4	555.8	545.7	479.7	741.1
65°	680.2	494.9	492.4	436.6	629.5
67.5°	606.6	454.3	451.8	395.9	479.7
70°	527.9	411.2	406.1	352.8	355.3
72.5°	446.7	363.0	357.9	317.3	294.4
75°	365.5	307.1	304.6	276.7	238.6
77.5°	286.8	243.7	248.7	223.4	175.1
80°	205.6	177.7	182.7	159.9	132.0
82.5°	137.1	116.8	121.8	101.5	88.8
85°	76.1	66.0	68.5	53.3	40.6
87.5°	35.5	30.5	30.5	20.3	12.7
90°	13.6	8.7	8.1	5.6	3.1
92.5°	83.9	59.7	54.4	33.4	12.4
95°	206.4	116.2	106.6	68.1	29.7
97.5°	278.1	127.7	119.2	85.3	51.3
100°	304.1	137.3	129.6	98.8	68.0
102.5°	316.1	146.9	139.7	111.0	82.2
105°	324.9	161.1	155.0	130.7	106.4
107.5°	326.6	182.1	176.4	153.8	131.1
110°	324.1	193.8	188.7	168.2	147.8



TEST NUMBER: P934515
 CATALOG NUMBER: SQ4-FA-050U-125D-835-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	324.2	208.1	203.2	183.7	164.2
115°	327.2	229.4	224.9	206.9	188.9
117.5°	333.3	250.1	246.0	229.7	213.3
120°	338.2	262.2	258.3	242.9	227.5
122.5°	345.3	276.4	272.5	257.0	241.5
125°	354.9	294.6	291.1	276.9	262.8
127.5°	364.5	312.3	308.7	294.4	280.1
130°	371.5	324.0	320.2	304.8	289.4
132.5°	377.2	333.6	329.8	314.4	299.0
135°	383.4	344.7	341.2	327.2	313.2
137.5°	392.6	358.9	355.4	341.6	327.7
140°	398.3	368.5	365.3	352.6	339.8
142.5°	403.0	375.6	372.6	360.8	349.0
145°	409.3	386.5	383.9	373.6	363.3
147.5°	418.3	400.1	397.6	387.5	377.5
150°	423.1	407.2	404.9	395.9	386.8
152.5°	426.1	411.8	410.1	403.2	396.3
155°	432.9	422.0	420.7	415.7	410.6
157.5°	439.7	432.2	431.0	426.0	421.1
160°	442.8	436.8	435.8	432.0	428.2
162.5°	446.1	441.8	441.1	438.2	435.3
165°	450.9	448.9	448.2	445.6	443.0
167.5°	454.6	452.9	452.6	451.3	450.1
170°	457.7	457.6	457.3	456.0	454.8
172.5°	457.9	457.9	457.8	457.6	457.3
175°	459.8	460.7	460.7	460.7	460.7
177.5°	460.0	460.7	460.7	460.7	460.7
180°	460.7	460.7	460.7	460.7	460.7



TEST NUMBER: P934515
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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	16.23	17.30	16.99	18.09	19.05	19.05	20.13	19.82	20.92	21.87
	3H	16.72	17.69	17.50	18.48	19.47	20.41	21.38	21.19	22.17	23.16
	4H	16.92	17.83	17.72	18.64	19.64	20.87	21.78	21.66	22.58	23.58
	6H	17.05	17.89	17.86	18.71	19.72	21.16	22.00	21.97	22.81	23.82
	8H	17.06	17.86	17.88	18.69	19.70	21.24	22.04	22.06	22.87	23.88
	12H	17.04	17.80	17.86	18.63	19.67	21.29	22.05	22.11	22.87	23.91
4H	2H	17.29	18.20	18.09	19.00	20.00	19.49	20.40	20.29	21.20	22.20
	3H	18.33	19.09	19.15	19.93	20.94	21.01	21.77	21.82	22.61	23.62
	4H	18.62	19.31	19.44	20.15	21.19	21.55	22.24	22.37	23.08	24.12
	6H	18.76	19.35	19.60	20.21	21.26	21.92	22.52	22.77	23.38	24.43
	8H	18.77	19.32	19.61	20.18	21.24	22.04	22.59	22.88	23.45	24.51
	12H	18.74	19.25	19.61	20.12	21.19	22.10	22.60	22.97	23.48	24.54
8H	4H	19.09	19.65	19.93	20.50	21.56	21.69	22.25	22.54	23.11	24.16
	6H	19.36	19.82	20.23	20.72	21.78	22.13	22.60	23.01	23.50	24.55
	8H	19.40	19.81	20.29	20.71	21.78	22.29	22.70	23.17	23.59	24.67
	12H	19.40	19.76	20.28	20.64	21.77	22.39	22.76	23.28	23.64	24.77
12H	4H	19.10	19.61	19.97	20.48	21.55	21.67	22.17	22.53	23.05	24.11
	6H	19.42	19.83	20.31	20.73	21.80	22.13	22.54	23.02	23.44	24.51
	8H	19.50	19.86	20.39	20.74	21.87	22.30	22.66	23.19	23.55	24.68