

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: P934152

Luminaire Tested: SQ4-FA-025U-125D-930-1D-UNV-STD-W-8

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934152
REPORT IS A COMBINATION OF REPORTS P933688 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-025U-125D-930-1D-UNV-STD-W-8
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

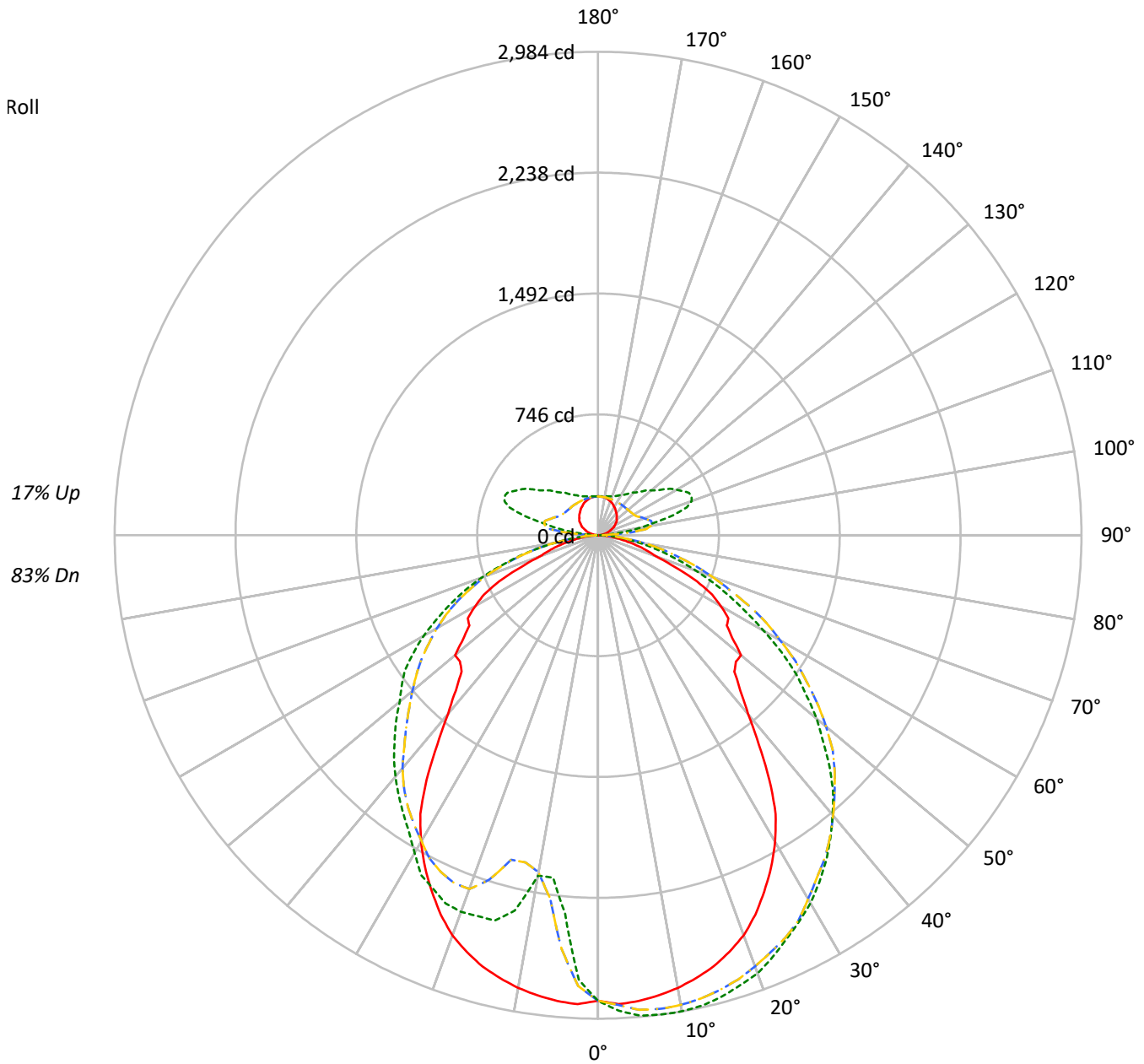
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9002.5 lumens
Efficiency: N/A
Efficacy: 90.8 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): 99.2
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	115	115	115	115	110	110	110	110	102	102	102	94	94	94	86	86	86	86	86	86	83
1	105	101	97	93	101	97	93	90	89	87	84	83	80	78	76	75	73	73	73	73	70
2	96	88	82	76	92	85	79	74	78	74	70	73	69	66	67	64	62	62	62	62	59
3	88	78	70	64	84	75	68	62	69	63	59	64	60	56	60	56	52	52	52	52	50
4	80	69	60	54	77	66	59	53	62	55	50	57	52	48	53	49	45	45	45	45	43
5	74	61	53	46	70	59	51	45	55	49	43	52	46	41	48	43	39	39	39	39	37
6	68	55	47	40	65	53	45	40	50	43	38	47	41	36	44	39	35	35	35	35	32
7	63	50	42	36	60	48	41	35	45	39	34	42	37	32	40	35	31	31	31	31	29
8	59	46	37	32	56	44	36	31	41	35	30	39	33	29	37	31	28	28	28	28	26
9	55	42	34	28	52	40	33	28	38	32	27	36	30	26	34	29	25	25	25	25	23
10	51	38	31	26	49	37	30	25	35	29	24	33	28	24	31	26	23	23	23	23	21

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	13327	13327	13327	13327
5°	13427	13453	13427	10579
10°	13337	13252	13337	9474
15°	13192	12965	13192	10826
20°	12916	12625	12916	10849
25°	12351	12129	12351	10619
30°	11622	11717	11622	10114
35°	10360	11196	10360	9559
40°	8633	10583	8633	9140
45°	7714	9865	7714	8658
50°	8194	9009	8194	8175
55°	7710	8086	7710	7895
60°	7947	6868	7947	7230
65°	7206	5677	7206	6346
70°	4990	4524	4990	5320
75°	4374	3344	4374	4005
80°	3525	2211	3525	2408
85°	2022	1171	2022	995

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 11822 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	259.3	2.9
10°-20°	736.2	8.2
20°-30°	1138.0	12.6
30°-40°	1358.6	15.1
40°-50°	1366.5	15.2
50°-60°	1189.0	13.2
60°-70°	843.1	9.4
70°-80°	446.0	5.0
80°-90°	112.0	1.2
90°-100°	116.8	1.3
100°-110°	307.2	3.4
110°-120°	318.5	3.5
120°-130°	255.5	2.8
130°-140°	200.4	2.2
140°-150°	153.9	1.7
150°-160°	110.8	1.2
160°-170°	67.8	0.8
170°-180°	22.9	0.3
0°-30°	2133.5	23.7
0°-40°	3492.1	38.8
0°-60°	6047.7	67.2
0°-90°	7448.7	82.7
90°-120°	742.5	8.2
90°-150°	1352.2	15.0
90°-180°	1554.0	17.3
0°-180°	9002.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2872	2872	2872	2872	2872	
5°	2886	2976	2886	2340	2886	274
15°	2756	2948	2756	2462	2756	775
25°	2427	2750	2427	2408	2427	1114
35°	1845	2454	1845	2095	1845	1142
45°	1190	2022	1190	1774	1190	953
55°	970	1492	970	1457	970	891
65°	674	900	674	1006	674	644
75°	255	427	255	511	255	269
85°	43	109	43	92	43	59
90°	2	6	2	6	2	3
95°	15	71	15	71	15	17
105°	55	481	55	481	55	59
115°	98	619	98	619	98	97
125°	137	493	137	493	137	121
135°	163	383	163	383	163	126
145°	189	310	189	310	189	118
155°	214	267	214	267	214	98
165°	230	249	230	249	230	65
175°	240	241	240	241	240	23
180°	240	240	240	240	240	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2872.5	2872.5	2872.5	2872.5	2872.5	2872.5	2872.5	2872.5	2872.5	2872.5	2872.5
2.5°	2896.9	2896.9	2913.2	2918.7	2918.7	2910.6	2902.4	2910.6	2935.0	2943.2	2940.4
5°	2886.1	2907.8	2937.7	2943.2	2948.5	2945.9	2940.4	2945.9	2973.0	2978.5	2981.2
7.5°	2864.3	2905.1	2943.2	2951.3	2959.5	2951.3	2948.5	2954.0	2981.2	2986.6	2986.6
10°	2837.2	2894.3	2937.7	2943.2	2951.3	2943.2	2943.2	2954.0	2981.2	2986.6	2989.3
12.5°	2799.1	2877.9	2918.7	2924.1	2935.0	2932.2	2929.6	2940.4	2967.6	2973.0	2973.0
15°	2755.7	2848.0	2886.1	2891.5	2910.6	2905.1	2905.1	2915.9	2945.9	2954.0	2951.3
17.5°	2695.8	2809.9	2853.5	2861.6	2875.2	2872.5	2875.2	2886.1	2913.2	2918.7	2921.4
20°	2627.9	2758.3	2809.9	2818.1	2831.7	2831.7	2831.7	2845.3	2872.5	2883.3	2883.3
22.5°	2535.5	2704.0	2758.3	2763.8	2780.1	2780.1	2785.5	2804.6	2829.0	2831.7	2831.7
25°	2426.8	2644.2	2690.4	2706.7	2723.0	2731.2	2739.4	2750.2	2758.3	2755.7	2758.3
27.5°	2312.6	2568.1	2627.9	2638.7	2660.5	2668.7	2679.5	2682.3	2685.0	2693.1	2687.6
30°	2185.0	2462.2	2551.8	2562.7	2598.0	2603.4	2592.6	2598.0	2611.6	2617.1	2622.4
32.5°	2040.9	2304.5	2473.0	2497.5	2530.1	2513.8	2511.1	2519.2	2540.9	2540.9	2546.4
35°	1845.2	2182.2	2399.6	2421.4	2445.8	2426.8	2437.7	2440.4	2454.0	2462.2	2459.4
37.5°	1630.6	2076.2	2323.6	2339.9	2358.9	2334.4	2350.7	2358.9	2369.7	2364.3	2364.3
40°	1440.3	1910.4	2233.9	2244.7	2261.0	2242.0	2258.3	2263.7	2269.2	2263.7	2261.0
42.5°	1299.0	1728.4	2138.7	2152.3	2141.4	2155.0	2160.5	2171.3	2163.2	2152.3	2152.3
45°	1190.3	1679.5	2035.4	2051.7	2035.4	2057.2	2065.4	2065.4	2040.9	2035.4	2032.7
47.5°	1155.0	1581.6	1932.2	1932.2	1924.1	1951.2	1964.8	1945.7	1921.3	1913.1	1913.1
50°	1152.2	1472.9	1790.9	1780.0	1818.1	1850.7	1837.1	1818.1	1799.0	1769.2	1769.2
52.5°	1046.2	1339.7	1608.8	1649.6	1709.3	1728.4	1706.6	1687.6	1655.0	1641.4	1630.6
55°	970.2	1201.2	1443.1	1524.6	1587.0	1611.5	1570.7	1551.7	1502.8	1494.7	1489.2
57.5°	953.9	1000.1	1290.8	1394.1	1470.2	1467.5	1443.1	1407.7	1366.9	1358.8	1356.1
60°	875.0	722.9	1127.8	1250.1	1328.9	1320.8	1299.0	1266.4	1228.3	1222.9	1217.5
62.5°	793.5	524.5	943.0	1081.6	1193.0	1190.3	1171.3	1122.4	1095.2	1081.6	1070.7
65°	674.0	440.3	671.2	899.5	1059.9	1065.3	1024.5	989.2	959.3	943.0	940.3
67.5°	513.6	358.7	453.9	750.1	932.1	926.7	875.0	858.7	820.7	812.6	796.3
70°	380.5	239.1	315.3	608.8	807.1	793.5	752.7	733.8	698.4	679.4	668.5
72.5°	315.3	193.0	231.0	472.9	679.4	663.1	627.8	606.0	576.2	559.9	548.9
75°	255.4	203.8	176.7	350.6	551.7	540.8	508.2	486.5	462.0	440.3	442.9
77.5°	187.5	190.2	141.3	258.2	437.6	421.3	402.2	375.0	364.2	342.4	342.4
80°	141.3	149.4	106.0	176.7	315.3	315.3	299.0	279.9	260.9	250.1	250.1
82.5°	95.1	95.1	78.8	111.5	214.7	206.5	195.7	190.2	179.4	173.9	173.9
85°	43.4	54.4	48.9	67.9	116.8	122.3	122.3	116.8	114.1	108.7	111.5
87.5°	13.6	24.5	29.9	38.1	59.8	62.5	65.2	65.2	65.2	67.9	67.9
90°	1.6	2.9	4.2	4.5	7.1	10.5	12.2	10.8	8.1	6.1	6.1
92.5°	6.4	17.3	28.3	31.1	43.7	60.5	68.8	60.3	43.4	30.6	29.4
95°	15.4	35.4	55.5	60.5	107.4	169.9	201.2	179.6	136.3	103.7	100.1
97.5°	26.7	44.4	62.0	66.4	144.6	248.9	301.1	287.5	260.1	239.5	232.5
100°	35.4	51.4	67.4	71.4	158.2	273.9	331.8	332.8	334.9	336.4	328.0
102.5°	42.8	57.7	72.7	76.4	164.5	281.9	340.6	358.0	392.8	419.0	411.9
105°	55.3	68.0	80.7	83.8	169.1	282.7	339.6	378.7	456.9	515.5	511.7
107.5°	68.2	80.0	91.8	94.8	169.9	270.1	320.2	374.8	483.9	565.7	566.7
110°	76.9	87.5	98.2	100.9	168.6	259.0	304.2	365.1	487.1	578.6	582.6



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	85.4	95.6	105.7	108.2	168.7	249.3	289.6	352.0	476.7	570.4	576.6
115°	98.3	107.6	117.0	119.3	170.2	238.1	272.0	332.1	452.4	542.6	551.1
117.5°	111.0	119.5	128.0	130.2	173.4	231.1	259.9	314.2	422.7	504.1	513.6
120°	118.4	126.4	134.4	136.4	176.0	228.8	255.1	304.7	403.8	478.2	487.3
122.5°	125.6	133.7	141.8	143.8	179.7	227.5	251.4	296.1	385.4	452.3	461.4
125°	136.8	144.1	151.4	153.3	184.7	226.5	247.4	285.3	361.2	418.0	426.4
127.5°	145.7	153.1	160.6	162.4	189.7	225.9	244.0	276.6	341.8	390.6	397.6
130°	150.6	158.6	166.5	168.5	193.3	226.3	242.7	271.7	329.7	373.2	379.7
132.5°	155.5	163.6	171.5	173.5	196.3	226.5	241.6	267.6	319.4	358.4	364.2
135°	162.9	170.2	177.5	179.4	199.5	226.3	239.7	261.5	304.9	337.5	342.5
137.5°	170.5	177.7	184.9	186.8	204.3	227.7	239.4	257.8	294.5	322.0	326.1
140°	176.7	183.4	190.1	191.8	207.3	227.9	238.3	254.1	285.9	309.6	313.5
142.5°	181.6	187.7	193.9	195.5	209.7	228.8	238.3	252.2	280.1	301.0	304.3
145°	189.0	194.4	199.7	201.1	213.0	228.8	236.6	248.0	270.9	288.0	290.4
147.5°	196.4	201.6	206.9	208.1	217.6	230.3	236.6	245.6	263.5	277.0	279.0
150°	201.2	206.0	210.6	211.8	220.1	231.1	236.6	244.2	259.4	270.7	272.4
152.5°	206.2	209.7	213.4	214.2	221.7	231.7	236.6	243.1	256.0	265.7	267.0
155°	213.6	216.2	218.9	219.5	225.2	232.9	236.6	241.8	252.1	259.8	260.6
157.5°	219.1	221.6	224.2	224.8	228.8	234.0	236.6	240.7	248.6	254.6	255.2
160°	222.8	224.8	226.8	227.2	230.4	234.6	236.6	240.1	246.9	252.1	252.4
162.5°	226.4	228.0	229.4	229.8	232.1	235.1	236.6	239.5	245.3	249.7	250.0
165°	230.5	231.9	233.3	233.6	234.6	236.0	236.6	238.7	242.8	246.0	246.3
167.5°	234.2	234.9	235.5	235.7	236.6	237.7	238.3	239.6	242.3	244.4	244.5
170°	236.6	237.3	237.9	238.1	238.2	238.3	238.3	239.6	242.3	244.4	244.4
172.5°	237.9	238.1	238.3	238.3	238.3	238.3	238.3	239.3	241.5	243.1	242.9
175°	239.7	239.7	239.7	239.7	239.2	238.6	238.3	238.9	240.3	241.3	241.3
177.5°	239.7	239.7	239.7	239.7	239.3	238.8	238.6	239.1	240.2	241.0	240.8
180°	239.7	239.7	239.7	239.7	239.7	239.7	239.7	239.7	239.7	239.7	239.7



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2872.5	2872.5	2872.5	2872.5	2872.5	2872.5	2872.5	2872.5	2872.5	2872.5	2872.5
2.5°	2945.9	2937.7	2945.9	2940.4	2943.2	2935.0	2910.6	2902.4	2910.6	2918.7	2918.7
5°	2981.2	2975.8	2981.2	2981.2	2978.5	2973.0	2945.9	2940.4	2945.9	2948.5	2943.2
7.5°	2992.1	2983.9	2992.1	2986.6	2986.6	2981.2	2954.0	2948.5	2951.3	2959.5	2951.3
10°	2992.1	2983.9	2992.1	2989.3	2986.6	2981.2	2954.0	2943.2	2943.2	2951.3	2943.2
12.5°	2978.5	2973.0	2978.5	2973.0	2973.0	2967.6	2940.4	2929.6	2932.2	2935.0	2924.1
15°	2956.7	2948.5	2956.7	2951.3	2954.0	2945.9	2915.9	2905.1	2905.1	2910.6	2891.5
17.5°	2924.1	2913.2	2924.1	2921.4	2918.7	2913.2	2886.1	2875.2	2872.5	2875.2	2861.6
20°	2886.1	2877.9	2886.1	2883.3	2883.3	2872.5	2845.3	2831.7	2831.7	2831.7	2818.1
22.5°	2826.2	2818.1	2826.2	2831.7	2831.7	2829.0	2804.6	2785.5	2780.1	2780.1	2763.8
25°	2758.3	2750.2	2758.3	2758.3	2755.7	2758.3	2750.2	2739.4	2731.2	2723.0	2706.7
27.5°	2693.1	2687.6	2693.1	2687.6	2693.1	2685.0	2682.3	2679.5	2668.7	2660.5	2638.7
30°	2627.9	2622.4	2627.9	2622.4	2617.1	2611.6	2598.0	2592.6	2603.4	2598.0	2562.7
32.5°	2546.4	2540.9	2546.4	2546.4	2540.9	2540.9	2519.2	2511.1	2513.8	2530.1	2497.5
35°	2462.2	2454.0	2462.2	2459.4	2462.2	2454.0	2440.4	2437.7	2426.8	2445.8	2421.4
37.5°	2364.3	2356.2	2364.3	2364.3	2364.3	2369.7	2358.9	2350.7	2334.4	2358.9	2339.9
40°	2263.7	2252.9	2263.7	2261.0	2263.7	2269.2	2263.7	2258.3	2242.0	2261.0	2244.7
42.5°	2149.6	2146.9	2149.6	2152.3	2152.3	2163.2	2171.3	2160.5	2155.0	2141.4	2152.3
45°	2027.3	2021.9	2027.3	2032.7	2035.4	2040.9	2065.4	2065.4	2057.2	2035.4	2051.7
47.5°	1896.8	1883.3	1896.8	1913.1	1913.1	1921.3	1945.7	1964.8	1951.2	1924.1	1932.2
50°	1758.2	1761.0	1758.2	1769.2	1769.2	1799.0	1818.1	1837.1	1850.7	1818.1	1780.0
52.5°	1622.4	1619.7	1622.4	1630.6	1641.4	1655.0	1687.6	1706.6	1728.4	1709.3	1649.6
55°	1486.5	1492.0	1486.5	1489.2	1494.7	1502.8	1551.7	1570.7	1611.5	1587.0	1524.6
57.5°	1350.6	1342.5	1350.6	1356.1	1358.8	1366.9	1407.7	1443.1	1467.5	1470.2	1394.1
60°	1193.0	1182.2	1193.0	1217.5	1222.9	1228.3	1266.4	1299.0	1320.8	1328.9	1250.1
62.5°	1054.4	1035.4	1054.4	1070.7	1081.6	1095.2	1122.4	1171.3	1190.3	1193.0	1081.6
65°	907.6	899.5	907.6	940.3	943.0	959.3	989.2	1024.5	1065.3	1059.9	899.5
67.5°	774.5	774.5	774.5	796.3	812.6	820.7	858.7	875.0	926.7	932.1	750.1
70°	652.2	649.5	652.2	668.5	679.4	698.4	733.8	752.7	793.5	807.1	608.8
72.5°	535.4	532.6	535.4	548.9	559.9	576.2	606.0	627.8	663.1	679.4	472.9
75°	432.1	426.6	432.1	442.9	440.3	462.0	486.5	508.2	540.8	551.7	350.6
77.5°	331.6	331.6	331.6	342.4	342.4	364.2	375.0	402.2	421.3	437.6	258.2
80°	247.3	244.6	247.3	250.1	250.1	260.9	279.9	299.0	315.3	315.3	176.7
82.5°	173.9	168.5	173.9	173.9	173.9	179.4	190.2	195.7	206.5	214.7	111.5
85°	108.7	108.7	108.7	111.5	108.7	114.1	116.8	122.3	122.3	116.8	67.9
87.5°	70.7	67.9	70.7	67.9	67.9	65.2	65.2	65.2	62.5	59.8	38.1
90°	6.1	6.1	6.1	6.1	6.1	8.1	10.8	12.2	10.5	7.1	4.5
92.5°	24.5	19.6	24.5	29.4	30.6	43.4	60.3	68.8	60.5	43.7	31.1
95°	85.4	70.6	85.4	100.1	103.7	136.3	179.6	201.2	169.9	107.4	60.5
97.5°	204.4	176.4	204.4	232.5	239.5	260.1	287.5	301.1	248.9	144.6	66.4
100°	294.6	261.2	294.6	328.0	336.4	334.9	332.8	331.8	273.9	158.2	71.4
102.5°	383.3	354.7	383.3	411.9	419.0	392.8	358.0	340.6	281.9	164.5	76.4
105°	496.3	480.9	496.3	511.7	515.5	456.9	378.7	339.6	282.7	169.1	83.8
107.5°	570.4	574.1	570.4	566.7	565.7	483.9	374.8	320.2	270.1	169.9	94.8
110°	598.6	614.6	598.6	582.6	578.6	487.1	365.1	304.2	259.0	168.6	100.9



TEST NUMBER: P934152

CATALOG NUMBER: SQ4-FA-025U-125D-930-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	601.1	625.7	601.1	576.6	570.4	476.7	352.0	289.6	249.3	168.7	108.2
115°	585.2	619.3	585.2	551.1	542.6	452.4	332.1	272.0	238.1	170.2	119.3
117.5°	551.4	589.2	551.4	513.6	504.1	422.7	314.2	259.9	231.1	173.4	130.2
120°	524.1	560.9	524.1	487.3	478.2	403.8	304.7	255.1	228.8	176.0	136.4
122.5°	497.6	533.8	497.6	461.4	452.3	385.4	296.1	251.4	227.5	179.7	143.8
125°	459.8	493.2	459.8	426.4	418.0	361.2	285.3	247.4	226.5	184.7	153.3
127.5°	425.8	453.9	425.8	397.6	390.6	341.8	276.6	244.0	225.9	189.7	162.4
130°	405.7	431.7	405.7	379.7	373.2	329.7	271.7	242.7	226.3	193.3	168.5
132.5°	387.5	410.8	387.5	364.2	358.4	319.4	267.6	241.6	226.5	196.3	173.5
135°	362.6	382.6	362.6	342.5	337.5	304.9	261.5	239.7	226.3	199.5	179.4
137.5°	342.6	359.0	342.6	326.1	322.0	294.5	257.8	239.4	227.7	204.3	186.8
140°	328.8	344.2	328.8	313.5	309.6	285.9	254.1	238.3	227.9	207.3	191.8
142.5°	317.5	330.7	317.5	304.3	301.0	280.1	252.2	238.3	228.8	209.7	195.5
145°	300.5	310.4	300.5	290.4	288.0	270.9	248.0	236.6	228.8	213.0	201.1
147.5°	287.3	295.7	287.3	279.0	277.0	263.5	245.6	236.6	230.3	217.6	208.1
150°	279.1	285.9	279.1	272.4	270.7	259.4	244.2	236.6	231.1	220.1	211.8
152.5°	272.1	277.1	272.1	267.0	265.7	256.0	243.1	236.6	231.7	221.7	214.2
155°	263.9	267.3	263.9	260.6	259.8	252.1	241.8	236.6	232.9	225.2	219.5
157.5°	257.6	259.9	257.6	255.2	254.6	248.6	240.7	236.6	234.0	228.8	224.8
160°	253.7	255.1	253.7	252.4	252.1	246.9	240.1	236.6	234.6	230.4	227.2
162.5°	251.3	252.5	251.3	250.0	249.7	245.3	239.5	236.6	235.1	232.1	229.8
165°	247.6	249.0	247.6	246.3	246.0	242.8	238.7	236.6	236.0	234.6	233.6
167.5°	245.1	245.6	245.1	244.5	244.4	242.3	239.6	238.3	237.7	236.6	235.7
170°	244.4	244.4	244.4	244.4	244.4	242.3	239.6	238.3	238.3	238.2	238.1
172.5°	242.4	241.9	242.4	242.9	243.1	241.5	239.3	238.3	238.3	238.3	238.3
175°	241.3	241.3	241.3	241.3	241.3	240.3	238.9	238.3	238.6	239.2	239.7
177.5°	240.3	239.7	240.3	240.8	241.0	240.2	239.1	238.6	238.8	239.3	239.7
180°	239.7	239.7	239.7	239.7	239.7	239.7	239.7	239.7	239.7	239.7	239.7



TEST NUMBER: P934152

CATALOG NUMBER: SQ4-FA-025U-125D-930-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2872.5	2872.5	2872.5	2872.5	2872.5	2872.5	2872.5	2872.5	2872.5	2872.5	2872.5
2.5°	2913.2	2896.9	2896.9	2869.8	2858.9	2850.7	2837.2	2796.4	2785.5	2774.6	2791.0
5°	2937.7	2907.8	2886.1	2837.2	2796.4	2780.1	2728.4	2630.6	2565.4	2516.4	2489.3
7.5°	2943.2	2905.1	2864.3	2788.3	2690.4	2646.9	2489.3	2309.9	2261.0	2217.6	2190.3
10°	2937.7	2894.3	2837.2	2723.0	2492.0	2415.9	2258.3	2141.4	2111.6	2103.4	2111.6
12.5°	2918.7	2877.9	2799.1	2608.9	2285.5	2233.9	2141.4	2073.5	2068.0	2081.7	2155.0
15°	2886.1	2848.0	2755.7	2456.7	2171.3	2133.3	2068.0	2043.6	2073.5	2168.7	2388.8
17.5°	2853.5	2809.9	2695.8	2307.3	2084.3	2057.2	2011.0	2059.9	2228.4	2356.2	2429.5
20°	2809.9	2758.3	2627.9	2198.5	2021.9	1997.4	1975.7	2195.8	2323.6	2369.7	2410.5
22.5°	2758.3	2704.0	2535.5	2122.4	1956.7	1937.6	1951.2	2271.9	2323.6	2356.2	2391.5
25°	2690.4	2644.2	2426.8	2062.7	1905.0	1883.3	1934.9	2263.7	2293.6	2301.8	2372.5
27.5°	2627.9	2568.1	2312.6	2008.3	1842.5	1834.4	1948.5	2228.4	2250.2	2258.3	2334.4
30°	2551.8	2462.2	2185.0	1951.2	1777.3	1774.5	1951.2	2185.0	2179.5	2201.3	2277.3
32.5°	2473.0	2304.5	2040.9	1880.5	1714.8	1712.1	1932.2	2119.7	2114.3	2144.2	2201.3
35°	2399.6	2182.2	1845.2	1799.0	1636.0	1638.7	1886.0	2043.6	2046.4	2073.5	2108.8
37.5°	2323.6	2076.2	1630.6	1709.3	1559.9	1559.9	1823.5	1973.0	1967.5	1975.7	2024.6
40°	2233.9	1910.4	1440.3	1592.5	1489.2	1481.1	1747.4	1896.8	1877.8	1875.2	1943.1
42.5°	2138.7	1728.4	1299.0	1437.6	1407.7	1396.8	1655.0	1804.5	1769.2	1777.3	1864.2
45°	2035.4	1679.5	1190.3	1214.8	1323.4	1315.3	1554.4	1698.5	1674.0	1695.8	1785.5
47.5°	1932.2	1581.6	1155.0	1008.2	1233.8	1231.1	1443.1	1595.2	1581.6	1603.4	1698.5
50°	1790.9	1472.9	1152.2	864.2	1133.2	1144.1	1309.9	1494.7	1494.7	1513.7	1614.3
52.5°	1608.8	1339.7	1046.2	782.7	1016.4	1049.0	1193.0	1407.7	1413.1	1432.2	1521.8
55°	1443.1	1201.2	970.2	720.1	877.8	948.4	1078.9	1318.0	1328.9	1347.9	1429.4
57.5°	1290.8	1000.1	953.9	646.8	750.1	818.0	978.3	1231.1	1236.5	1252.8	1331.6
60°	1127.8	722.9	875.0	568.0	638.6	690.3	885.9	1127.8	1146.8	1157.7	1225.6
62.5°	943.0	524.5	793.5	513.6	584.3	595.2	809.8	1029.9	1054.4	1062.6	1103.3
65°	671.2	440.3	674.0	467.4	527.2	529.9	728.3	929.4	951.2	964.7	994.6
67.5°	453.9	358.7	513.6	423.9	483.7	486.5	649.5	812.6	842.4	853.3	872.4
70°	315.3	239.1	380.5	377.7	434.8	440.3	565.2	706.6	733.8	741.9	752.7
72.5°	231.0	193.0	315.3	339.7	383.2	388.7	478.3	587.0	614.1	622.3	627.8
75°	176.7	203.8	255.4	296.2	326.1	328.8	391.3	478.3	497.3	502.8	505.5
77.5°	141.3	190.2	187.5	239.1	266.4	260.9	307.1	369.6	385.9	385.9	385.9
80°	106.0	149.4	141.3	171.2	195.7	190.2	220.1	263.6	269.0	274.5	271.7
82.5°	78.8	95.1	95.1	108.7	130.4	125.0	146.8	171.2	171.2	171.2	176.7
85°	48.9	54.4	43.4	57.1	73.4	70.7	81.5	92.4	95.1	95.1	89.7
87.5°	29.9	24.5	13.6	21.8	32.6	32.6	38.1	40.8	38.1	38.1	38.1
90°	4.2	2.9	1.6	2.9	4.2	4.5	7.1	10.5	12.2	10.8	8.1
92.5°	28.3	17.3	6.4	17.3	28.3	31.1	43.7	60.5	68.8	60.3	43.4
95°	55.5	35.4	15.4	35.4	55.5	60.5	107.4	169.9	201.2	179.6	136.3
97.5°	62.0	44.4	26.7	44.4	62.0	66.4	144.6	248.9	301.1	287.5	260.1
100°	67.4	51.4	35.4	51.4	67.4	71.4	158.2	273.9	331.8	332.8	334.9
102.5°	72.7	57.7	42.8	57.7	72.7	76.4	164.5	281.9	340.6	358.0	392.8
105°	80.7	68.0	55.3	68.0	80.7	83.8	169.1	282.7	339.6	378.7	456.9
107.5°	91.8	80.0	68.2	80.0	91.8	94.8	169.9	270.1	320.2	374.8	483.9
110°	98.2	87.5	76.9	87.5	98.2	100.9	168.6	259.0	304.2	365.1	487.1



TEST NUMBER: P934152

CATALOG NUMBER: SQ4-FA-025U-125D-930-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	105.7	95.6	85.4	95.6	105.7	108.2	168.7	249.3	289.6	352.0	476.7
115°	117.0	107.6	98.3	107.6	117.0	119.3	170.2	238.1	272.0	332.1	452.4
117.5°	128.0	119.5	111.0	119.5	128.0	130.2	173.4	231.1	259.9	314.2	422.7
120°	134.4	126.4	118.4	126.4	134.4	136.4	176.0	228.8	255.1	304.7	403.8
122.5°	141.8	133.7	125.6	133.7	141.8	143.8	179.7	227.5	251.4	296.1	385.4
125°	151.4	144.1	136.8	144.1	151.4	153.3	184.7	226.5	247.4	285.3	361.2
127.5°	160.6	153.1	145.7	153.1	160.6	162.4	189.7	225.9	244.0	276.6	341.8
130°	166.5	158.6	150.6	158.6	166.5	168.5	193.3	226.3	242.7	271.7	329.7
132.5°	171.5	163.6	155.5	163.6	171.5	173.5	196.3	226.5	241.6	267.6	319.4
135°	177.5	170.2	162.9	170.2	177.5	179.4	199.5	226.3	239.7	261.5	304.9
137.5°	184.9	177.7	170.5	177.7	184.9	186.8	204.3	227.7	239.4	257.8	294.5
140°	190.1	183.4	176.7	183.4	190.1	191.8	207.3	227.9	238.3	254.1	285.9
142.5°	193.9	187.7	181.6	187.7	193.9	195.5	209.7	228.8	238.3	252.2	280.1
145°	199.7	194.4	189.0	194.4	199.7	201.1	213.0	228.8	236.6	248.0	270.9
147.5°	206.9	201.6	196.4	201.6	206.9	208.1	217.6	230.3	236.6	245.6	263.5
150°	210.6	206.0	201.2	206.0	210.6	211.8	220.1	231.1	236.6	244.2	259.4
152.5°	213.4	209.7	206.2	209.7	213.4	214.2	221.7	231.7	236.6	243.1	256.0
155°	218.9	216.2	213.6	216.2	218.9	219.5	225.2	232.9	236.6	241.8	252.1
157.5°	224.2	221.6	219.1	221.6	224.2	224.8	228.8	234.0	236.6	240.7	248.6
160°	226.8	224.8	222.8	224.8	226.8	227.2	230.4	234.6	236.6	240.1	246.9
162.5°	229.4	228.0	226.4	228.0	229.4	229.8	232.1	235.1	236.6	239.5	245.3
165°	233.3	231.9	230.5	231.9	233.3	233.6	234.6	236.0	236.6	238.7	242.8
167.5°	235.5	234.9	234.2	234.9	235.5	235.7	236.6	237.7	238.3	239.6	242.3
170°	237.9	237.3	236.6	237.3	237.9	238.1	238.2	238.3	238.3	239.6	242.3
172.5°	238.3	238.1	237.9	238.1	238.3	238.3	238.3	238.3	238.3	239.3	241.5
175°	239.7	239.7	239.7	239.7	239.7	239.7	239.2	238.6	238.3	238.9	240.3
177.5°	239.7	239.7	239.7	239.7	239.7	239.7	239.3	238.8	238.6	239.1	240.2
180°	239.7	239.7	239.7	239.7	239.7	239.7	239.7	239.7	239.7	239.7	239.7



TEST NUMBER: P934152
 CATALOG NUMBER: SQ4-FA-025U-125D-930-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2872.5	2872.5	2872.5	2872.5	2872.5	2872.5	2872.5	2872.5	2872.5	2872.5	2872.5
2.5°	2772.0	2763.8	2774.6	2744.7	2774.6	2763.8	2772.0	2791.0	2774.6	2785.5	2796.4
5°	2432.2	2418.6	2375.2	2339.9	2375.2	2418.6	2432.2	2489.3	2516.4	2565.4	2630.6
7.5°	2174.0	2163.2	2152.3	2130.6	2152.3	2163.2	2174.0	2190.3	2217.6	2261.0	2309.9
10°	2117.0	2119.7	2136.0	2133.3	2136.0	2119.7	2117.0	2111.6	2103.4	2111.6	2141.4
12.5°	2263.7	2288.2	2377.8	2372.5	2377.8	2288.2	2263.7	2155.0	2081.7	2068.0	2073.5
15°	2432.2	2440.4	2459.4	2462.2	2459.4	2440.4	2432.2	2388.8	2168.7	2073.5	2043.6
17.5°	2448.5	2451.2	2464.8	2464.8	2464.8	2451.2	2448.5	2429.5	2356.2	2228.4	2059.9
20°	2434.9	2440.4	2467.5	2473.0	2467.5	2440.4	2434.9	2410.5	2369.7	2323.6	2195.8
22.5°	2429.5	2440.4	2462.2	2459.4	2462.2	2440.4	2429.5	2391.5	2356.2	2323.6	2271.9
25°	2402.3	2402.3	2405.1	2407.8	2405.1	2402.3	2402.3	2372.5	2301.8	2293.6	2263.7
27.5°	2345.2	2350.7	2367.0	2364.3	2367.0	2350.7	2345.2	2334.4	2258.3	2250.2	2228.4
30°	2293.6	2288.2	2274.6	2263.7	2274.6	2288.2	2293.6	2277.3	2201.3	2179.5	2185.0
32.5°	2206.6	2193.1	2179.5	2171.3	2179.5	2193.1	2206.6	2201.3	2144.2	2114.3	2119.7
35°	2103.4	2106.1	2103.4	2095.3	2103.4	2106.1	2103.4	2108.8	2073.5	2046.4	2043.6
37.5°	2030.1	2035.4	2032.7	2021.9	2032.7	2035.4	2030.1	2024.6	1975.7	1967.5	1973.0
40°	1953.9	1956.7	1953.9	1945.7	1953.9	1956.7	1953.9	1943.1	1875.2	1877.8	1896.8
42.5°	1880.5	1877.8	1869.7	1864.2	1869.7	1877.8	1880.5	1864.2	1777.3	1769.2	1804.5
45°	1796.3	1799.0	1782.7	1774.5	1782.7	1799.0	1796.3	1785.5	1695.8	1674.0	1698.5
47.5°	1712.1	1712.1	1698.5	1690.3	1698.5	1712.1	1712.1	1698.5	1603.4	1581.6	1595.2
50°	1622.4	1619.7	1600.6	1598.0	1600.6	1619.7	1622.4	1614.3	1513.7	1494.7	1494.7
52.5°	1519.1	1519.1	1521.8	1527.3	1521.8	1519.1	1519.1	1521.8	1432.2	1413.1	1407.7
55°	1429.4	1432.2	1451.2	1456.6	1451.2	1432.2	1429.4	1429.4	1347.9	1328.9	1318.0
57.5°	1337.1	1337.1	1350.6	1350.6	1350.6	1337.1	1337.1	1331.6	1252.8	1236.5	1231.1
60°	1231.1	1236.5	1247.4	1244.6	1247.4	1236.5	1231.1	1225.6	1157.7	1146.8	1127.8
62.5°	1119.6	1125.1	1127.8	1122.4	1127.8	1125.1	1119.6	1103.3	1062.6	1054.4	1029.9
65°	1002.8	1008.2	1011.0	1005.5	1011.0	1008.2	1002.8	994.6	964.7	951.2	929.4
67.5°	883.2	880.5	877.8	888.7	877.8	880.5	883.2	872.4	853.3	842.4	812.6
70°	760.9	760.9	758.2	763.7	758.2	760.9	760.9	752.7	741.9	733.8	706.6
72.5°	630.5	627.8	638.6	630.5	638.6	627.8	630.5	627.8	622.3	614.1	587.0
75°	502.8	508.2	502.8	510.9	502.8	508.2	502.8	505.5	502.8	497.3	478.3
77.5°	383.2	388.7	383.2	383.2	383.2	388.7	383.2	385.9	385.9	385.9	369.6
80°	271.7	269.0	269.0	266.4	269.0	269.0	271.7	271.7	274.5	269.0	263.6
82.5°	173.9	171.2	171.2	176.7	171.2	171.2	173.9	176.7	171.2	171.2	171.2
85°	95.1	97.8	92.4	92.4	92.4	97.8	95.1	89.7	95.1	95.1	92.4
87.5°	35.3	32.6	32.6	32.6	32.6	32.6	35.3	38.1	38.1	38.1	40.8
90°	6.1	6.1	6.1	6.1	6.1	6.1	6.1	8.1	10.8	12.2	10.5
92.5°	30.6	29.4	24.5	19.6	24.5	29.4	30.6	43.4	60.3	68.8	60.5
95°	103.7	100.1	85.4	70.6	85.4	100.1	103.7	136.3	179.6	201.2	169.9
97.5°	239.5	232.5	204.4	176.4	204.4	232.5	239.5	260.1	287.5	301.1	248.9
100°	336.4	328.0	294.6	261.2	294.6	328.0	336.4	334.9	332.8	331.8	273.9
102.5°	419.0	411.9	383.3	354.7	383.3	411.9	419.0	392.8	358.0	340.6	281.9
105°	515.5	511.7	496.3	480.9	496.3	511.7	515.5	456.9	378.7	339.6	282.7
107.5°	565.7	566.7	570.4	574.1	570.4	566.7	565.7	483.9	374.8	320.2	270.1
110°	578.6	582.6	598.6	614.6	598.6	582.6	578.6	487.1	365.1	304.2	259.0



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	570.4	576.6	601.1	625.7	601.1	576.6	570.4	476.7	352.0	289.6	249.3
115°	542.6	551.1	585.2	619.3	585.2	551.1	542.6	452.4	332.1	272.0	238.1
117.5°	504.1	513.6	551.4	589.2	551.4	513.6	504.1	422.7	314.2	259.9	231.1
120°	478.2	487.3	524.1	560.9	524.1	487.3	478.2	403.8	304.7	255.1	228.8
122.5°	452.3	461.4	497.6	533.8	497.6	461.4	452.3	385.4	296.1	251.4	227.5
125°	418.0	426.4	459.8	493.2	459.8	426.4	418.0	361.2	285.3	247.4	226.5
127.5°	390.6	397.6	425.8	453.9	425.8	397.6	390.6	341.8	276.6	244.0	225.9
130°	373.2	379.7	405.7	431.7	405.7	379.7	373.2	329.7	271.7	242.7	226.3
132.5°	358.4	364.2	387.5	410.8	387.5	364.2	358.4	319.4	267.6	241.6	226.5
135°	337.5	342.5	362.6	382.6	362.6	342.5	337.5	304.9	261.5	239.7	226.3
137.5°	322.0	326.1	342.6	359.0	342.6	326.1	322.0	294.5	257.8	239.4	227.7
140°	309.6	313.5	328.8	344.2	328.8	313.5	309.6	285.9	254.1	238.3	227.9
142.5°	301.0	304.3	317.5	330.7	317.5	304.3	301.0	280.1	252.2	238.3	228.8
145°	288.0	290.4	300.5	310.4	300.5	290.4	288.0	270.9	248.0	236.6	228.8
147.5°	277.0	279.0	287.3	295.7	287.3	279.0	277.0	263.5	245.6	236.6	230.3
150°	270.7	272.4	279.1	285.9	279.1	272.4	270.7	259.4	244.2	236.6	231.1
152.5°	265.7	267.0	272.1	277.1	272.1	267.0	265.7	256.0	243.1	236.6	231.7
155°	259.8	260.6	263.9	267.3	263.9	260.6	259.8	252.1	241.8	236.6	232.9
157.5°	254.6	255.2	257.6	259.9	257.6	255.2	254.6	248.6	240.7	236.6	234.0
160°	252.1	252.4	253.7	255.1	253.7	252.4	252.1	246.9	240.1	236.6	234.6
162.5°	249.7	250.0	251.3	252.5	251.3	250.0	249.7	245.3	239.5	236.6	235.1
165°	246.0	246.3	247.6	249.0	247.6	246.3	246.0	242.8	238.7	236.6	236.0
167.5°	244.4	244.5	245.1	245.6	245.1	244.5	244.4	242.3	239.6	238.3	237.7
170°	244.4	244.4	244.4	244.4	244.4	244.4	244.4	242.3	239.6	238.3	238.3
172.5°	243.1	242.9	242.4	241.9	242.4	242.9	243.1	241.5	239.3	238.3	238.3
175°	241.3	241.3	241.3	241.3	241.3	241.3	241.3	240.3	238.9	238.3	238.6
177.5°	241.0	240.8	240.3	239.7	240.3	240.8	241.0	240.2	239.1	238.6	238.8
180°	239.7	239.7	239.7	239.7	239.7	239.7	239.7	239.7	239.7	239.7	239.7



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	2872.5	2872.5	2872.5	2872.5	2872.5
2.5°	2837.2	2850.7	2858.9	2869.8	2896.9
5°	2728.4	2780.1	2796.4	2837.2	2886.1
7.5°	2489.3	2646.9	2690.4	2788.3	2864.3
10°	2258.3	2415.9	2492.0	2723.0	2837.2
12.5°	2141.4	2233.9	2285.5	2608.9	2799.1
15°	2068.0	2133.3	2171.3	2456.7	2755.7
17.5°	2011.0	2057.2	2084.3	2307.3	2695.8
20°	1975.7	1997.4	2021.9	2198.5	2627.9
22.5°	1951.2	1937.6	1956.7	2122.4	2535.5
25°	1934.9	1883.3	1905.0	2062.7	2426.8
27.5°	1948.5	1834.4	1842.5	2008.3	2312.6
30°	1951.2	1774.5	1777.3	1951.2	2185.0
32.5°	1932.2	1712.1	1714.8	1880.5	2040.9
35°	1886.0	1638.7	1636.0	1799.0	1845.2
37.5°	1823.5	1559.9	1559.9	1709.3	1630.6
40°	1747.4	1481.1	1489.2	1592.5	1440.3
42.5°	1655.0	1396.8	1407.7	1437.6	1299.0
45°	1554.4	1315.3	1323.4	1214.8	1190.3
47.5°	1443.1	1231.1	1233.8	1008.2	1155.0
50°	1309.9	1144.1	1133.2	864.2	1152.2
52.5°	1193.0	1049.0	1016.4	782.7	1046.2
55°	1078.9	948.4	877.8	720.1	970.2
57.5°	978.3	818.0	750.1	646.8	953.9
60°	885.9	690.3	638.6	568.0	875.0
62.5°	809.8	595.2	584.3	513.6	793.5
65°	728.3	529.9	527.2	467.4	674.0
67.5°	649.5	486.5	483.7	423.9	513.6
70°	565.2	440.3	434.8	377.7	380.5
72.5°	478.3	388.7	383.2	339.7	315.3
75°	391.3	328.8	326.1	296.2	255.4
77.5°	307.1	260.9	266.4	239.1	187.5
80°	220.1	190.2	195.7	171.2	141.3
82.5°	146.8	125.0	130.4	108.7	95.1
85°	81.5	70.7	73.4	57.1	43.4
87.5°	38.1	32.6	32.6	21.8	13.6
90°	7.1	4.5	4.2	2.9	1.6
92.5°	43.7	31.1	28.3	17.3	6.4
95°	107.4	60.5	55.5	35.4	15.4
97.5°	144.6	66.4	62.0	44.4	26.7
100°	158.2	71.4	67.4	51.4	35.4
102.5°	164.5	76.4	72.7	57.7	42.8
105°	169.1	83.8	80.7	68.0	55.3
107.5°	169.9	94.8	91.8	80.0	68.2
110°	168.6	100.9	98.2	87.5	76.9



TEST NUMBER: P934152

CATALOG NUMBER: SQ4-FA-025U-125D-930-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	168.7	108.2	105.7	95.6	85.4
115°	170.2	119.3	117.0	107.6	98.3
117.5°	173.4	130.2	128.0	119.5	111.0
120°	176.0	136.4	134.4	126.4	118.4
122.5°	179.7	143.8	141.8	133.7	125.6
125°	184.7	153.3	151.4	144.1	136.8
127.5°	189.7	162.4	160.6	153.1	145.7
130°	193.3	168.5	166.5	158.6	150.6
132.5°	196.3	173.5	171.5	163.6	155.5
135°	199.5	179.4	177.5	170.2	162.9
137.5°	204.3	186.8	184.9	177.7	170.5
140°	207.3	191.8	190.1	183.4	176.7
142.5°	209.7	195.5	193.9	187.7	181.6
145°	213.0	201.1	199.7	194.4	189.0
147.5°	217.6	208.1	206.9	201.6	196.4
150°	220.1	211.8	210.6	206.0	201.2
152.5°	221.7	214.2	213.4	209.7	206.2
155°	225.2	219.5	218.9	216.2	213.6
157.5°	228.8	224.8	224.2	221.6	219.1
160°	230.4	227.2	226.8	224.8	222.8
162.5°	232.1	229.8	229.4	228.0	226.4
165°	234.6	233.6	233.3	231.9	230.5
167.5°	236.6	235.7	235.5	234.9	234.2
170°	238.2	238.1	237.9	237.3	236.6
172.5°	238.3	238.3	238.3	238.1	237.9
175°	239.2	239.7	239.7	239.7	239.7
177.5°	239.3	239.7	239.7	239.7	239.7
180°	239.7	239.7	239.7	239.7	239.7



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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	16.42	17.68	17.03	18.30	19.01	19.25	20.51	19.87	21.14	21.85
	3H	16.92	18.05	17.55	18.69	19.44	20.63	21.76	21.26	22.40	23.15
	4H	17.13	18.20	17.78	18.85	19.61	21.09	22.16	21.74	22.81	23.57
	6H	17.27	18.26	17.93	18.91	19.69	21.40	22.39	22.06	23.05	23.82
	8H	17.28	18.22	17.96	18.90	19.68	21.49	22.43	22.16	23.11	23.89
	12H	17.27	18.16	17.95	18.84	19.64	21.54	22.44	22.22	23.11	23.92
4H	2H	17.50	18.56	18.15	19.21	19.97	19.71	20.78	20.36	21.42	22.19
	3H	18.56	19.45	19.22	20.14	20.92	21.25	22.14	21.92	22.83	23.61
	4H	18.85	19.66	19.53	20.35	21.16	21.80	22.61	22.48	23.30	24.11
	6H	19.00	19.70	19.70	20.42	21.24	22.19	22.89	22.89	23.61	24.43
	8H	19.02	19.67	19.72	20.38	21.22	22.31	22.96	23.01	23.67	24.51
	12H	19.00	19.59	19.73	20.33	21.17	22.38	22.97	23.11	23.71	24.55
8H	4H	19.34	19.99	20.04	20.71	21.54	21.96	22.61	22.66	23.32	24.16
	6H	19.62	20.16	20.35	20.92	21.75	22.41	22.95	23.15	23.71	24.55
	8H	19.66	20.15	20.41	20.91	21.76	22.57	23.05	23.32	23.81	24.66
	12H	19.67	20.09	20.42	20.84	21.75	22.69	23.11	23.44	23.86	24.77
12H	4H	19.36	19.95	20.09	20.69	21.53	21.94	22.53	22.67	23.27	24.10
	6H	19.68	20.17	20.43	20.93	21.78	22.41	22.90	23.16	23.65	24.51
	8H	19.77	20.19	20.52	20.94	21.85	22.59	23.02	23.34	23.77	24.68