

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: P935813

Luminaire Tested: SQ4-FA-150U-050D-835-1D-UNV-STD-W-12

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935813
REPORT IS A COMBINATION OF REPORTS P933769 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-150U-050D-835-1D-UNV-STD-W-12
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

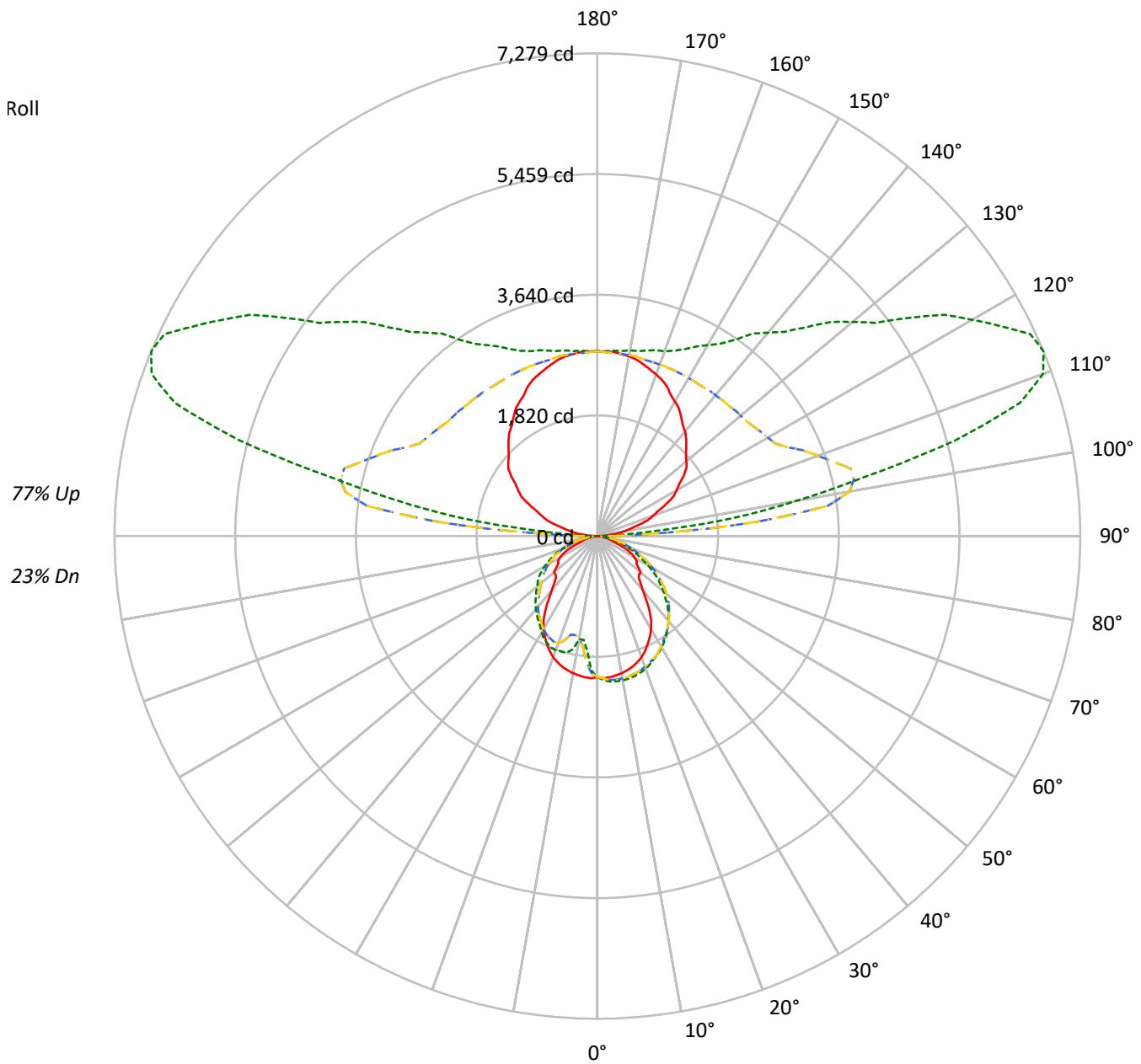
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23598.0 lumens
Efficiency: N/A
Efficacy: 141.5 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 12' x H: 0.1')
CIE Type: Semi-Indirect

Input Watts (W): 166.8
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	101	101	101	101	90	90	90	90	69	69	69	49	49	49	32	32	32	32	32	32	23
1	92	88	84	81	81	78	75	72	60	58	56	43	42	41	28	27	27	27	27	27	20
2	84	77	71	66	74	68	63	59	52	49	46	38	36	34	25	24	23	23	23	23	17
3	76	67	60	55	67	60	54	49	46	42	39	34	31	29	22	20	19	19	19	19	14
4	70	59	52	46	62	53	47	42	41	37	33	30	27	25	19	18	16	16	16	16	12
5	64	53	45	39	56	47	40	36	36	32	28	27	24	21	17	16	14	14	14	14	10
6	59	47	39	34	52	42	35	31	33	28	24	24	21	18	16	14	12	12	12	12	9
7	54	42	35	29	48	38	31	27	30	25	21	22	19	16	14	12	11	11	11	11	8
8	50	38	31	26	44	34	28	23	27	22	19	20	17	14	13	11	10	10	10	10	7
9	46	35	28	23	41	31	25	21	24	20	17	18	15	13	12	10	9	9	9	9	6
10	43	32	25	20	38	28	22	18	22	18	15	17	14	11	11	9	8	8	8	8	6

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	6578	6578	6578	6578
5°	6629	6640	6629	5221
10°	6588	6541	6588	4676
15°	6518	6399	6518	5343
20°	6385	6231	6385	5355
25°	6108	5986	6108	5241
30°	5750	5783	5750	4992
35°	5128	5526	5128	4718
40°	4276	5223	4276	4511
45°	3823	4869	3823	4273
50°	4065	4446	4065	4035
55°	3828	3991	3828	3897
60°	3951	3390	3951	3569
65°	3588	2802	3588	3132
70°	2491	2233	2491	2626
75°	2192	1651	2192	1976
80°	1779	1091	1779	1188
85°	1043	578	1043	491

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 90°
 Luminance: 6941 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	192.0	0.8
10°-20°	545.0	2.3
20°-30°	842.5	3.6
30°-40°	1005.8	4.3
40°-50°	1011.7	4.3
50°-60°	880.3	3.7
60°-70°	624.2	2.6
70°-80°	330.2	1.4
80°-90°	92.9	0.4
90°-100°	1359.0	5.8
100°-110°	3572.9	15.1
110°-120°	3704.7	15.7
120°-130°	2971.6	12.6
130°-140°	2331.7	9.9
140°-150°	1789.6	7.6
150°-160°	1288.8	5.5
160°-170°	788.6	3.3
170°-180°	266.4	1.1
0°-30°	1579.6	6.7
0°-40°	2585.4	11.0
0°-60°	4477.4	19.0
0°-90°	5524.6	23.4
90°-120°	8636.6	36.6
90°-150°	15729.5	66.7
90°-180°	18073.0	76.6
0°-180°	23598.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2127	2127	2127	2127	2127	
5°	2137	2203	2137	1732	2137	203
15°	2040	2183	2040	1823	2040	574
25°	1797	2036	1797	1783	1797	825
35°	1366	1817	1366	1551	1366	845
45°	881	1497	881	1314	881	706
55°	718	1105	718	1078	718	660
65°	499	666	499	744	499	477
75°	189	316	189	378	189	199
85°	32	80	32	68	32	43
90°	19	71	19	71	19	17
95°	180	821	180	821	180	199
105°	644	5595	644	5595	644	682
115°	1143	7204	1143	7204	1143	1129
125°	1590	5737	1590	5737	1590	1412
135°	1895	4451	1895	4451	1895	1467
145°	2199	3611	2199	3611	2199	1377
155°	2485	3110	2485	3110	2485	1142
165°	2681	2896	2681	2896	2681	757
175°	2788	2807	2788	2807	2788	265
180°	2788	2788	2788	2788	2788	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2126.6	2126.6	2126.6	2126.6	2126.6	2126.6	2126.6	2126.6	2126.6	2126.6	2126.6
2.5°	2144.7	2144.7	2156.8	2160.8	2160.8	2154.8	2148.8	2154.8	2172.9	2178.9	2176.9
5°	2136.7	2152.8	2174.9	2178.9	2183.0	2181.0	2176.9	2181.0	2201.1	2205.1	2207.1
7.5°	2120.6	2150.8	2178.9	2185.0	2191.0	2185.0	2183.0	2187.0	2207.1	2211.1	2211.1
10°	2100.5	2142.7	2174.9	2178.9	2185.0	2178.9	2178.9	2187.0	2207.1	2211.1	2213.2
12.5°	2072.3	2130.7	2160.8	2164.9	2172.9	2170.9	2168.9	2176.9	2197.1	2201.1	2201.1
15°	2040.1	2108.5	2136.7	2140.7	2154.8	2150.8	2150.8	2158.8	2181.0	2187.0	2185.0
17.5°	1995.9	2080.4	2112.6	2118.6	2128.7	2126.6	2128.7	2136.7	2156.8	2160.8	2162.9
20°	1945.6	2042.1	2080.4	2086.4	2096.5	2096.5	2096.5	2106.5	2126.6	2134.7	2134.7
22.5°	1877.2	2001.9	2042.1	2046.2	2058.2	2058.2	2062.3	2076.3	2094.4	2096.5	2096.5
25°	1796.7	1957.6	1991.8	2003.9	2016.0	2022.0	2028.1	2036.1	2042.1	2040.1	2042.1
27.5°	1712.2	1901.3	1945.6	1953.6	1969.7	1975.7	1983.8	1985.8	1987.8	1993.8	1989.8
30°	1617.6	1822.8	1889.2	1897.3	1923.4	1927.5	1919.4	1923.4	1933.5	1937.5	1941.5
32.5°	1511.0	1706.1	1830.9	1849.0	1873.1	1861.1	1859.0	1865.1	1881.2	1881.2	1885.2
35°	1366.1	1615.6	1776.6	1792.7	1810.8	1796.7	1804.7	1806.7	1816.8	1822.8	1820.8
37.5°	1207.2	1537.1	1720.2	1732.3	1746.4	1728.3	1740.3	1746.4	1754.4	1750.4	1750.4
40°	1066.3	1414.4	1653.8	1661.9	1673.9	1659.9	1671.9	1676.0	1680.0	1676.0	1673.9
42.5°	961.7	1279.6	1583.4	1593.5	1585.4	1595.5	1599.5	1607.6	1601.5	1593.5	1593.5
45°	881.2	1243.4	1507.0	1519.0	1507.0	1523.1	1529.1	1529.1	1511.0	1507.0	1504.9
47.5°	855.1	1171.0	1430.5	1430.5	1424.5	1444.6	1454.6	1440.6	1422.5	1416.4	1416.4
50°	853.1	1090.5	1325.9	1317.8	1346.0	1370.1	1360.1	1346.0	1331.9	1309.8	1309.8
52.5°	774.6	991.9	1191.1	1221.3	1265.5	1279.6	1263.5	1249.4	1225.3	1215.2	1207.2
55°	718.3	889.3	1068.3	1128.7	1175.0	1193.1	1162.9	1148.8	1112.6	1106.6	1102.6
57.5°	706.2	740.4	955.7	1032.1	1088.5	1086.5	1068.3	1042.2	1012.0	1006.0	1004.0
60°	647.9	535.2	835.0	925.5	983.8	977.8	961.7	937.6	909.4	905.4	901.4
62.5°	587.5	388.3	698.1	800.8	883.2	881.2	867.2	830.9	810.8	800.8	792.7
65°	499.0	325.9	497.0	666.0	784.7	788.7	758.5	732.4	710.2	698.1	696.1
67.5°	380.3	265.6	336.0	555.3	690.1	686.1	647.9	635.8	607.6	601.6	589.5
70°	281.7	177.1	233.4	450.7	597.6	587.5	557.3	543.2	517.1	503.0	494.9
72.5°	233.4	142.8	171.0	350.1	503.0	490.9	464.8	448.7	426.5	414.5	406.4
75°	189.1	150.9	130.8	259.5	408.4	400.4	376.2	360.1	342.0	325.9	327.9
77.5°	138.8	140.8	104.6	191.1	323.9	311.9	297.8	277.7	269.6	253.5	253.5
80°	104.6	110.7	78.5	130.8	233.4	233.4	221.3	207.2	193.1	185.1	185.1
82.5°	70.4	70.4	58.3	82.5	158.9	152.9	144.9	140.8	132.8	128.8	128.8
85°	32.2	40.2	36.2	50.3	86.5	90.5	90.5	86.5	84.5	80.5	82.5
87.5°	10.1	18.1	22.1	28.2	44.3	46.3	48.3	48.3	48.3	50.3	50.3
90°	18.7	33.7	48.7	52.4	82.3	122.2	142.2	126.4	94.8	71.1	71.1
92.5°	74.8	202.0	329.3	361.1	507.7	703.1	800.8	701.8	503.9	355.5	341.4
95°	179.6	412.4	645.3	703.5	1249.3	1977.0	2340.8	2088.8	1584.9	1206.9	1164.1
97.5°	310.6	516.0	721.4	772.8	1682.8	2896.1	3502.7	3343.5	3025.0	2786.1	2704.6
100°	411.6	597.9	784.2	830.8	1840.6	3186.9	3860.1	3871.7	3895.0	3912.5	3815.4
102.5°	497.7	671.5	845.3	888.8	1912.9	3278.4	3961.2	4164.1	4569.9	4874.3	4791.1
105°	643.7	790.9	938.1	974.9	1966.6	3288.8	3949.9	4404.8	5314.6	5996.9	5952.2
107.5°	793.4	930.6	1067.8	1102.1	1976.5	3142.4	3725.4	4359.9	5628.9	6580.7	6591.5
110°	894.4	1018.3	1142.2	1173.2	1961.6	3012.7	3538.3	4247.7	5666.4	6730.4	6777.0



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	993.6	1111.7	1229.8	1259.3	1962.2	2899.4	3368.0	4094.0	5546.0	6635.0	6706.5
115°	1143.3	1252.2	1361.2	1388.4	1980.3	2769.5	3164.1	3863.5	5262.2	6311.3	6410.5
117.5°	1291.1	1390.0	1489.0	1513.7	2017.0	2688.1	3023.7	3654.9	4917.3	5864.1	5974.1
120°	1377.1	1470.3	1563.4	1586.7	2047.0	2660.7	2967.6	3544.3	4697.7	5562.8	5669.7
122.5°	1461.3	1555.3	1649.3	1672.8	2090.1	2646.4	2924.6	3443.9	4482.6	5261.6	5367.0
125°	1590.5	1676.1	1761.8	1783.2	2148.1	2634.6	2877.8	3319.0	4201.3	4863.0	4960.1
127.5°	1695.2	1781.7	1868.2	1889.8	2206.0	2627.7	2838.5	3217.3	3974.9	4543.1	4625.0
130°	1751.4	1844.5	1937.6	1960.9	2248.4	2631.8	2823.5	3160.7	3835.2	4341.0	4416.7
132.5°	1809.4	1902.5	1995.6	2018.9	2282.7	2634.5	2810.4	3112.3	3716.1	4168.9	4236.7
135°	1895.4	1980.2	2065.1	2086.3	2320.2	2632.1	2788.0	3040.8	3546.4	3925.6	3984.0
137.5°	1983.4	2067.4	2151.4	2172.4	2376.3	2648.2	2784.2	2997.9	3425.4	3746.0	3793.8
140°	2056.4	2133.7	2211.1	2230.4	2410.6	2650.9	2771.1	2955.7	3325.0	3601.9	3646.6
142.5°	2112.5	2184.0	2255.5	2273.4	2439.3	2660.5	2771.1	2933.3	3257.6	3500.9	3539.4
145°	2198.6	2261.0	2323.3	2338.9	2476.7	2660.5	2752.4	2885.0	3150.3	3349.3	3378.4
147.5°	2284.6	2345.3	2406.0	2421.2	2531.6	2678.8	2752.4	2856.8	3065.5	3222.1	3246.2
150°	2340.8	2395.7	2450.6	2464.3	2560.3	2688.4	2752.4	2840.6	3016.9	3149.1	3168.6
152.5°	2398.8	2440.4	2481.9	2492.3	2579.0	2694.6	2752.4	2827.7	2978.2	3091.1	3105.9
155°	2484.9	2515.7	2546.4	2554.1	2620.2	2708.3	2752.4	2812.3	2932.1	3021.9	3031.7
157.5°	2548.5	2578.4	2608.3	2615.8	2661.3	2722.0	2752.4	2799.0	2892.1	2962.0	2968.9
160°	2591.5	2614.8	2638.1	2643.9	2680.1	2728.3	2752.4	2792.3	2872.1	2932.0	2936.0
162.5°	2634.5	2652.0	2669.4	2673.8	2700.0	2734.9	2752.4	2786.1	2853.5	2904.0	2907.7
165°	2681.3	2697.1	2712.9	2716.9	2728.7	2744.5	2752.4	2776.5	2824.7	2860.9	2864.9
167.5°	2724.4	2731.9	2739.3	2741.2	2751.2	2764.5	2771.1	2786.9	2818.5	2842.2	2843.9
170°	2752.4	2759.9	2767.4	2769.3	2769.9	2770.7	2771.1	2786.9	2818.5	2842.2	2842.2
172.5°	2767.4	2769.0	2770.7	2771.1	2771.1	2771.1	2771.1	2783.6	2808.6	2827.3	2825.8
175°	2788.0	2788.0	2788.0	2788.0	2782.4	2774.9	2771.1	2779.0	2794.8	2806.7	2806.7
177.5°	2788.0	2788.0	2788.0	2788.0	2783.6	2777.8	2774.9	2781.1	2793.6	2802.9	2801.2
180°	2788.0	2788.0	2788.0	2788.0	2788.0	2788.0	2788.0	2788.0	2788.0	2788.0	2788.0



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2126.6	2126.6	2126.6	2126.6	2126.6	2126.6	2126.6	2126.6	2126.6	2126.6	2126.6
2.5°	2181.0	2174.9	2181.0	2176.9	2178.9	2172.9	2154.8	2148.8	2154.8	2160.8	2160.8
5°	2207.1	2203.1	2207.1	2207.1	2205.1	2201.1	2181.0	2176.9	2181.0	2183.0	2178.9
7.5°	2215.2	2209.1	2215.2	2211.1	2211.1	2207.1	2187.0	2183.0	2185.0	2191.0	2185.0
10°	2215.2	2209.1	2215.2	2213.2	2211.1	2207.1	2187.0	2178.9	2178.9	2185.0	2178.9
12.5°	2205.1	2201.1	2205.1	2201.1	2201.1	2197.1	2176.9	2168.9	2170.9	2172.9	2164.9
15°	2189.0	2183.0	2189.0	2185.0	2187.0	2181.0	2158.8	2150.8	2150.8	2154.8	2140.7
17.5°	2164.9	2156.8	2164.9	2162.9	2160.8	2156.8	2136.7	2128.7	2126.6	2128.7	2118.6
20°	2136.7	2130.7	2136.7	2134.7	2134.7	2126.6	2106.5	2096.5	2096.5	2096.5	2086.4
22.5°	2092.4	2086.4	2092.4	2096.5	2096.5	2094.4	2076.3	2062.3	2058.2	2058.2	2046.2
25°	2042.1	2036.1	2042.1	2042.1	2040.1	2042.1	2036.1	2028.1	2022.0	2016.0	2003.9
27.5°	1993.8	1989.8	1993.8	1989.8	1993.8	1987.8	1985.8	1983.8	1975.7	1969.7	1953.6
30°	1945.6	1941.5	1945.6	1941.5	1937.5	1933.5	1923.4	1919.4	1927.5	1923.4	1897.3
32.5°	1885.2	1881.2	1885.2	1885.2	1881.2	1881.2	1865.1	1859.0	1861.1	1873.1	1849.0
35°	1822.8	1816.8	1822.8	1820.8	1822.8	1816.8	1806.7	1804.7	1796.7	1810.8	1792.7
37.5°	1750.4	1744.4	1750.4	1750.4	1750.4	1754.4	1746.4	1740.3	1728.3	1746.4	1732.3
40°	1676.0	1667.9	1676.0	1673.9	1676.0	1680.0	1676.0	1671.9	1659.9	1673.9	1661.9
42.5°	1591.5	1589.4	1591.5	1593.5	1593.5	1601.5	1607.6	1599.5	1595.5	1585.4	1593.5
45°	1500.9	1496.9	1500.9	1504.9	1507.0	1511.0	1529.1	1529.1	1523.1	1507.0	1519.0
47.5°	1404.3	1394.3	1404.3	1416.4	1416.4	1422.5	1440.6	1454.6	1444.6	1424.5	1430.5
50°	1301.7	1303.7	1301.7	1309.8	1309.8	1331.9	1346.0	1360.1	1370.1	1346.0	1317.8
52.5°	1201.1	1199.1	1201.1	1207.2	1215.2	1225.3	1249.4	1263.5	1279.6	1265.5	1221.3
55°	1100.5	1104.6	1100.5	1102.6	1106.6	1112.6	1148.8	1162.9	1193.1	1175.0	1128.7
57.5°	999.9	993.9	999.9	1004.0	1006.0	1012.0	1042.2	1068.3	1086.5	1088.5	1032.1
60°	883.2	875.2	883.2	901.4	905.4	909.4	937.6	961.7	977.8	983.8	925.5
62.5°	780.6	766.6	780.6	792.7	800.8	810.8	830.9	867.2	881.2	883.2	800.8
65°	672.0	666.0	672.0	696.1	698.1	710.2	732.4	758.5	788.7	784.7	666.0
67.5°	573.4	573.4	573.4	589.5	601.6	607.6	635.8	647.9	686.1	690.1	555.3
70°	482.9	480.9	482.9	494.9	503.0	517.1	543.2	557.3	587.5	597.6	450.7
72.5°	396.4	394.3	396.4	406.4	414.5	426.5	448.7	464.8	490.9	503.0	350.1
75°	319.9	315.9	319.9	327.9	325.9	342.0	360.1	376.2	400.4	408.4	259.5
77.5°	245.5	245.5	245.5	253.5	253.5	269.6	277.7	297.8	311.9	323.9	191.1
80°	183.1	181.1	183.1	185.1	185.1	193.1	207.2	221.3	233.4	233.4	130.8
82.5°	128.8	124.7	128.8	128.8	128.8	132.8	140.8	144.9	152.9	158.9	82.5
85°	80.5	80.5	80.5	82.5	80.5	84.5	86.5	90.5	90.5	86.5	50.3
87.5°	52.3	50.3	52.3	50.3	50.3	48.3	48.3	48.3	46.3	44.3	28.2
90°	71.1	71.1	71.1	71.1	71.1	94.8	126.4	142.2	122.2	82.3	52.4
92.5°	284.8	228.3	284.8	341.4	355.5	503.9	701.8	800.8	703.1	507.7	361.1
95°	992.7	821.4	992.7	1164.1	1206.9	1584.9	2088.8	2340.8	1977.0	1249.3	703.5
97.5°	2378.6	2052.6	2378.6	2704.6	2786.1	3025.0	3343.5	3502.7	2896.1	1682.8	772.8
100°	3427.1	3038.7	3427.1	3815.4	3912.5	3895.0	3871.7	3860.1	3186.9	1840.6	830.8
102.5°	4458.5	4125.8	4458.5	4791.1	4874.3	4569.9	4164.1	3961.2	3278.4	1912.9	888.8
105°	5773.5	5594.7	5773.5	5952.2	5996.9	5314.6	4404.8	3949.9	3288.8	1966.6	974.9
107.5°	6634.8	6678.0	6634.8	6591.5	6580.7	5628.9	4359.9	3725.4	3142.4	1976.5	1102.1
110°	6963.3	7149.6	6963.3	6777.0	6730.4	5666.4	4247.7	3538.3	3012.7	1961.6	1173.2



TEST NUMBER: P935813

CATALOG NUMBER: SQ4-FA-150U-050D-835-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	6992.6	7278.7	6992.6	6706.5	6635.0	5546.0	4094.0	3368.0	2899.4	1962.2	1259.3
115°	6807.1	7203.8	6807.1	6410.5	6311.3	5262.2	3863.5	3164.1	2769.5	1980.3	1388.4
117.5°	6414.0	6853.9	6414.0	5974.1	5864.1	4917.3	3654.9	3023.7	2688.1	2017.0	1513.7
120°	6097.1	6524.6	6097.1	5669.7	5562.8	4697.7	3544.3	2967.6	2660.7	2047.0	1586.7
122.5°	5788.7	6210.3	5788.7	5367.0	5261.6	4482.6	3443.9	2924.6	2646.4	2090.1	1672.8
125°	5348.5	5736.9	5348.5	4960.1	4863.0	4201.3	3319.0	2877.8	2634.6	2148.1	1783.2
127.5°	4952.7	5280.3	4952.7	4625.0	4543.1	3974.9	3217.3	2838.5	2627.7	2206.0	1889.8
130°	4719.4	5022.1	4719.4	4416.7	4341.0	3835.2	3160.7	2823.5	2631.8	2248.4	1960.9
132.5°	4507.7	4778.8	4507.7	4236.7	4168.9	3716.1	3112.3	2810.4	2634.5	2282.7	2018.9
135°	4217.7	4451.4	4217.7	3984.0	3925.6	3546.4	3040.8	2788.0	2632.1	2320.2	2086.3
137.5°	3985.1	4176.3	3985.1	3793.8	3746.0	3425.4	2997.9	2784.2	2648.2	2376.3	2172.4
140°	3825.4	4004.2	3825.4	3646.6	3601.9	3325.0	2955.7	2771.1	2650.9	2410.6	2230.4
142.5°	3693.2	3847.0	3693.2	3539.4	3500.9	3257.6	2933.3	2771.1	2660.5	2439.3	2273.4
145°	3494.9	3611.3	3494.9	3378.4	3349.3	3150.3	2885.0	2752.4	2660.5	2476.7	2338.9
147.5°	3342.7	3439.1	3342.7	3246.2	3222.1	3065.5	2856.8	2752.4	2678.8	2531.6	2421.2
150°	3246.8	3325.0	3246.8	3168.6	3149.1	3016.9	2840.6	2752.4	2688.4	2560.3	2464.3
152.5°	3164.9	3223.9	3164.9	3105.9	3091.1	2978.2	2827.7	2752.4	2694.6	2579.0	2492.3
155°	3070.7	3109.8	3070.7	3031.7	3021.9	2932.1	2812.3	2752.4	2708.3	2620.2	2554.1
157.5°	2996.3	3023.7	2996.3	2968.9	2962.0	2892.1	2799.0	2752.4	2722.0	2661.3	2615.8
160°	2951.8	2967.6	2951.8	2936.0	2932.0	2872.1	2792.3	2752.4	2728.3	2680.1	2643.9
162.5°	2922.7	2937.7	2922.7	2907.7	2904.0	2853.5	2786.1	2752.4	2734.9	2700.0	2673.8
165°	2880.7	2896.5	2880.7	2864.9	2860.9	2824.7	2776.5	2752.4	2744.5	2728.7	2716.9
167.5°	2850.5	2857.2	2850.5	2843.9	2842.2	2818.5	2786.9	2771.1	2764.5	2751.2	2741.2
170°	2842.2	2842.2	2842.2	2842.2	2842.2	2818.5	2786.9	2771.1	2770.7	2769.9	2769.3
172.5°	2820.0	2814.2	2820.0	2825.8	2827.3	2808.6	2783.6	2771.1	2771.1	2771.1	2771.1
175°	2806.7	2806.7	2806.7	2806.7	2806.7	2794.8	2779.0	2771.1	2774.9	2782.4	2788.0
177.5°	2794.6	2788.0	2794.6	2801.2	2802.9	2793.6	2781.1	2774.9	2777.8	2783.6	2788.0
180°	2788.0	2788.0	2788.0	2788.0	2788.0	2788.0	2788.0	2788.0	2788.0	2788.0	2788.0



TEST NUMBER: P935813

CATALOG NUMBER: SQ4-FA-150U-050D-835-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2126.6	2126.6	2126.6	2126.6	2126.6	2126.6	2126.6	2126.6	2126.6	2126.6	2126.6
2.5°	2156.8	2144.7	2144.7	2124.6	2116.6	2110.5	2100.5	2070.3	2062.3	2054.2	2066.3
5°	2174.9	2152.8	2136.7	2100.5	2070.3	2058.2	2020.0	1947.6	1899.3	1863.1	1843.0
7.5°	2178.9	2150.8	2120.6	2064.3	1991.8	1959.6	1843.0	1710.2	1673.9	1641.8	1621.6
10°	2174.9	2142.7	2100.5	2016.0	1845.0	1788.6	1671.9	1585.4	1563.3	1557.3	1563.3
12.5°	2160.8	2130.7	2072.3	1931.5	1692.1	1653.8	1585.4	1535.1	1531.1	1541.2	1595.5
15°	2136.7	2108.5	2040.1	1818.8	1607.6	1579.4	1531.1	1513.0	1535.1	1605.5	1768.5
17.5°	2112.6	2080.4	1995.9	1708.2	1543.2	1523.1	1488.8	1525.1	1649.8	1744.4	1798.7
20°	2080.4	2042.1	1945.6	1627.7	1496.9	1478.8	1462.7	1625.7	1720.2	1754.4	1784.6
22.5°	2042.1	2001.9	1877.2	1571.3	1448.6	1434.5	1444.6	1682.0	1720.2	1744.4	1770.5
25°	1991.8	1957.6	1796.7	1527.1	1410.4	1394.3	1432.5	1676.0	1698.1	1704.1	1756.4
27.5°	1945.6	1901.3	1712.2	1486.8	1364.1	1358.1	1442.6	1649.8	1665.9	1671.9	1728.3
30°	1889.2	1822.8	1617.6	1444.6	1315.8	1313.8	1444.6	1617.6	1613.6	1629.7	1686.0
32.5°	1830.9	1706.1	1511.0	1392.3	1269.5	1267.5	1430.5	1569.3	1565.3	1587.4	1629.7
35°	1776.6	1615.6	1366.1	1331.9	1211.2	1213.2	1396.3	1513.0	1515.0	1535.1	1561.3
37.5°	1720.2	1537.1	1207.2	1265.5	1154.9	1154.9	1350.0	1460.7	1456.7	1462.7	1498.9
40°	1653.8	1414.4	1066.3	1179.0	1102.6	1096.5	1293.7	1404.3	1390.3	1388.3	1438.5
42.5°	1583.4	1279.6	961.7	1064.3	1042.2	1034.1	1225.3	1335.9	1309.8	1315.8	1380.2
45°	1507.0	1243.4	881.2	899.3	979.8	973.8	1150.8	1257.5	1239.4	1255.5	1321.9
47.5°	1430.5	1171.0	855.1	746.4	913.4	911.4	1068.3	1181.0	1171.0	1187.1	1257.5
50°	1325.9	1090.5	853.1	639.8	839.0	847.0	969.8	1106.6	1106.6	1120.7	1195.1
52.5°	1191.1	991.9	774.6	579.4	752.5	776.6	883.2	1042.2	1046.2	1060.3	1126.7
55°	1068.3	889.3	718.3	533.2	649.9	702.2	798.7	975.8	983.8	997.9	1058.3
57.5°	955.7	740.4	706.2	478.8	555.3	605.6	724.3	911.4	915.4	927.5	985.9
60°	835.0	535.2	647.9	420.5	472.8	511.0	655.9	835.0	849.0	857.1	907.4
62.5°	698.1	388.3	587.5	380.3	432.6	440.6	599.6	762.5	780.6	786.7	816.9
65°	497.0	325.9	499.0	346.1	390.3	392.3	539.2	688.1	704.2	714.2	736.4
67.5°	336.0	265.6	380.3	313.9	358.1	360.1	480.9	601.6	623.7	631.8	645.8
70°	233.4	177.1	281.7	279.7	321.9	325.9	418.5	523.1	543.2	549.3	557.3
72.5°	171.0	142.8	233.4	251.5	283.7	287.7	354.1	434.6	454.7	460.7	464.8
75°	130.8	150.9	189.1	219.3	241.4	243.4	289.7	354.1	368.2	372.2	374.2
77.5°	104.6	140.8	138.8	177.1	197.2	193.1	227.4	273.6	285.7	285.7	285.7
80°	78.5	110.7	104.6	126.8	144.9	140.8	163.0	195.2	199.2	203.2	201.2
82.5°	58.3	70.4	70.4	80.5	96.6	92.6	108.6	126.8	126.8	126.8	130.8
85°	36.2	40.2	32.2	42.3	54.3	52.3	60.4	68.4	70.4	70.4	66.4
87.5°	22.1	18.1	10.1	16.1	24.1	24.1	28.2	30.2	28.2	28.2	28.2
90°	48.7	33.7	18.7	33.7	48.7	52.4	82.3	122.2	142.2	126.4	94.8
92.5°	329.3	202.0	74.8	202.0	329.3	361.1	507.7	703.1	800.8	701.8	503.9
95°	645.3	412.4	179.6	412.4	645.3	703.5	1249.3	1977.0	2340.8	2088.8	1584.9
97.5°	721.4	516.0	310.6	516.0	721.4	772.8	1682.8	2896.1	3502.7	3343.5	3025.0
100°	784.2	597.9	411.6	597.9	784.2	830.8	1840.6	3186.9	3860.1	3871.7	3895.0
102.5°	845.3	671.5	497.7	671.5	845.3	888.8	1912.9	3278.4	3961.2	4164.1	4569.9
105°	938.1	790.9	643.7	790.9	938.1	974.9	1966.6	3288.8	3949.9	4404.8	5314.6
107.5°	1067.8	930.6	793.4	930.6	1067.8	1102.1	1976.5	3142.4	3725.4	4359.9	5628.9
110°	1142.2	1018.3	894.4	1018.3	1142.2	1173.2	1961.6	3012.7	3538.3	4247.7	5666.4



TEST NUMBER: P935813

CATALOG NUMBER: SQ4-FA-150U-050D-835-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	1229.8	1111.7	993.6	1111.7	1229.8	1259.3	1962.2	2899.4	3368.0	4094.0	5546.0
115°	1361.2	1252.2	1143.3	1252.2	1361.2	1388.4	1980.3	2769.5	3164.1	3863.5	5262.2
117.5°	1489.0	1390.0	1291.1	1390.0	1489.0	1513.7	2017.0	2688.1	3023.7	3654.9	4917.3
120°	1563.4	1470.3	1377.1	1470.3	1563.4	1586.7	2047.0	2660.7	2967.6	3544.3	4697.7
122.5°	1649.3	1555.3	1461.3	1555.3	1649.3	1672.8	2090.1	2646.4	2924.6	3443.9	4482.6
125°	1761.8	1676.1	1590.5	1676.1	1761.8	1783.2	2148.1	2634.6	2877.8	3319.0	4201.3
127.5°	1868.2	1781.7	1695.2	1781.7	1868.2	1889.8	2206.0	2627.7	2838.5	3217.3	3974.9
130°	1937.6	1844.5	1751.4	1844.5	1937.6	1960.9	2248.4	2631.8	2823.5	3160.7	3835.2
132.5°	1995.6	1902.5	1809.4	1902.5	1995.6	2018.9	2282.7	2634.5	2810.4	3112.3	3716.1
135°	2065.1	1980.2	1895.4	1980.2	2065.1	2086.3	2320.2	2632.1	2788.0	3040.8	3546.4
137.5°	2151.4	2067.4	1983.4	2067.4	2151.4	2172.4	2376.3	2648.2	2784.2	2997.9	3425.4
140°	2211.1	2133.7	2056.4	2133.7	2211.1	2230.4	2410.6	2650.9	2771.1	2955.7	3325.0
142.5°	2255.5	2184.0	2112.5	2184.0	2255.5	2273.4	2439.3	2660.5	2771.1	2933.3	3257.6
145°	2323.3	2261.0	2198.6	2261.0	2323.3	2338.9	2476.7	2660.5	2752.4	2885.0	3150.3
147.5°	2406.0	2345.3	2284.6	2345.3	2406.0	2421.2	2531.6	2678.8	2752.4	2856.8	3065.5
150°	2450.6	2395.7	2340.8	2395.7	2450.6	2464.3	2560.3	2688.4	2752.4	2840.6	3016.9
152.5°	2481.9	2440.4	2398.8	2440.4	2481.9	2492.3	2579.0	2694.6	2752.4	2827.7	2978.2
155°	2546.4	2515.7	2484.9	2515.7	2546.4	2554.1	2620.2	2708.3	2752.4	2812.3	2932.1
157.5°	2608.3	2578.4	2548.5	2578.4	2608.3	2615.8	2661.3	2722.0	2752.4	2799.0	2892.1
160°	2638.1	2614.8	2591.5	2614.8	2638.1	2643.9	2680.1	2728.3	2752.4	2792.3	2872.1
162.5°	2669.4	2652.0	2634.5	2652.0	2669.4	2673.8	2700.0	2734.9	2752.4	2786.1	2853.5
165°	2712.9	2697.1	2681.3	2697.1	2712.9	2716.9	2728.7	2744.5	2752.4	2776.5	2824.7
167.5°	2739.3	2731.9	2724.4	2731.9	2739.3	2741.2	2751.2	2764.5	2771.1	2786.9	2818.5
170°	2767.4	2759.9	2752.4	2759.9	2767.4	2769.3	2769.9	2770.7	2771.1	2786.9	2818.5
172.5°	2770.7	2769.0	2767.4	2769.0	2770.7	2771.1	2771.1	2771.1	2771.1	2783.6	2808.6
175°	2788.0	2788.0	2788.0	2788.0	2788.0	2788.0	2782.4	2774.9	2771.1	2779.0	2794.8
177.5°	2788.0	2788.0	2788.0	2788.0	2788.0	2788.0	2783.6	2777.8	2774.9	2781.1	2793.6
180°	2788.0	2788.0	2788.0	2788.0	2788.0	2788.0	2788.0	2788.0	2788.0	2788.0	2788.0



TEST NUMBER: P935813

CATALOG NUMBER: SQ4-FA-150U-050D-835-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2126.6	2126.6	2126.6	2126.6	2126.6	2126.6	2126.6	2126.6	2126.6	2126.6	2126.6
2.5°	2052.2	2046.2	2054.2	2032.1	2054.2	2046.2	2052.2	2066.3	2054.2	2062.3	2070.3
5°	1800.7	1790.6	1758.5	1732.3	1758.5	1790.6	1800.7	1843.0	1863.1	1899.3	1947.6
7.5°	1609.6	1601.5	1593.5	1577.4	1593.5	1601.5	1609.6	1621.6	1641.8	1673.9	1710.2
10°	1567.3	1569.3	1581.4	1579.4	1581.4	1569.3	1567.3	1563.3	1557.3	1563.3	1585.4
12.5°	1676.0	1694.1	1760.5	1756.4	1760.5	1694.1	1676.0	1595.5	1541.2	1531.1	1535.1
15°	1800.7	1806.7	1820.8	1822.8	1820.8	1806.7	1800.7	1768.5	1605.5	1535.1	1513.0
17.5°	1812.8	1814.8	1824.8	1824.8	1824.8	1814.8	1812.8	1798.7	1744.4	1649.8	1525.1
20°	1802.7	1806.7	1826.9	1830.9	1826.9	1806.7	1802.7	1784.6	1754.4	1720.2	1625.7
22.5°	1798.7	1806.7	1822.8	1820.8	1822.8	1806.7	1798.7	1770.5	1744.4	1720.2	1682.0
25°	1778.6	1778.6	1780.6	1782.6	1780.6	1778.6	1778.6	1756.4	1704.1	1698.1	1676.0
27.5°	1736.3	1740.3	1752.4	1750.4	1752.4	1740.3	1736.3	1728.3	1671.9	1665.9	1649.8
30°	1698.1	1694.1	1684.0	1676.0	1684.0	1694.1	1698.1	1686.0	1629.7	1613.6	1617.6
32.5°	1633.7	1623.6	1613.6	1607.6	1613.6	1623.6	1633.7	1629.7	1587.4	1565.3	1569.3
35°	1557.3	1559.3	1557.3	1551.2	1557.3	1559.3	1557.3	1561.3	1535.1	1515.0	1513.0
37.5°	1502.9	1507.0	1504.9	1496.9	1504.9	1507.0	1502.9	1498.9	1462.7	1456.7	1460.7
40°	1446.6	1448.6	1446.6	1440.6	1446.6	1448.6	1446.6	1438.5	1388.3	1390.3	1404.3
42.5°	1392.3	1390.3	1384.2	1380.2	1384.2	1390.3	1392.3	1380.2	1315.8	1309.8	1335.9
45°	1329.9	1331.9	1319.8	1313.8	1319.8	1331.9	1329.9	1321.9	1255.5	1239.4	1257.5
47.5°	1267.5	1267.5	1257.5	1251.4	1257.5	1267.5	1267.5	1257.5	1187.1	1171.0	1181.0
50°	1201.1	1199.1	1185.0	1183.0	1185.0	1199.1	1201.1	1195.1	1120.7	1106.6	1106.6
52.5°	1124.7	1124.7	1126.7	1130.7	1126.7	1124.7	1124.7	1126.7	1060.3	1046.2	1042.2
55°	1058.3	1060.3	1074.4	1078.4	1074.4	1060.3	1058.3	1058.3	997.9	983.8	975.8
57.5°	989.9	989.9	999.9	999.9	999.9	989.9	989.9	985.9	927.5	915.4	911.4
60°	911.4	915.4	923.5	921.5	923.5	915.4	911.4	907.4	857.1	849.0	835.0
62.5°	828.9	833.0	835.0	830.9	835.0	833.0	828.9	816.9	786.7	780.6	762.5
65°	742.4	746.4	748.4	744.4	748.4	746.4	742.4	736.4	714.2	704.2	688.1
67.5°	653.9	651.9	649.9	657.9	649.9	651.9	653.9	645.8	631.8	623.7	601.6
70°	563.3	563.3	561.3	565.4	561.3	563.3	563.3	557.3	549.3	543.2	523.1
72.5°	466.8	464.8	472.8	466.8	472.8	464.8	466.8	464.8	460.7	454.7	434.6
75°	372.2	376.2	372.2	378.2	372.2	376.2	372.2	374.2	372.2	368.2	354.1
77.5°	283.7	287.7	283.7	283.7	283.7	287.7	283.7	285.7	285.7	285.7	273.6
80°	201.2	199.2	199.2	197.2	199.2	199.2	201.2	201.2	203.2	199.2	195.2
82.5°	128.8	126.8	126.8	130.8	126.8	126.8	128.8	130.8	126.8	126.8	126.8
85°	70.4	72.4	68.4	68.4	68.4	72.4	70.4	66.4	70.4	70.4	68.4
87.5°	26.2	24.1	24.1	24.1	24.1	24.1	26.2	28.2	28.2	28.2	30.2
90°	71.1	71.1	71.1	71.1	71.1	71.1	71.1	94.8	126.4	142.2	122.2
92.5°	355.5	341.4	284.8	228.3	284.8	341.4	355.5	503.9	701.8	800.8	703.1
95°	1206.9	1164.1	992.7	821.4	992.7	1164.1	1206.9	1584.9	2088.8	2340.8	1977.0
97.5°	2786.1	2704.6	2378.6	2052.6	2378.6	2704.6	2786.1	3025.0	3343.5	3502.7	2896.1
100°	3912.5	3815.4	3427.1	3038.7	3427.1	3815.4	3912.5	3895.0	3871.7	3860.1	3186.9
102.5°	4874.3	4791.1	4458.5	4125.8	4458.5	4791.1	4874.3	4569.9	4164.1	3961.2	3278.4
105°	5996.9	5952.2	5773.5	5594.7	5773.5	5952.2	5996.9	5314.6	4404.8	3949.9	3288.8
107.5°	6580.7	6591.5	6634.8	6678.0	6634.8	6591.5	6580.7	5628.9	4359.9	3725.4	3142.4
110°	6730.4	6777.0	6963.3	7149.6	6963.3	6777.0	6730.4	5666.4	4247.7	3538.3	3012.7



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	6635.0	6706.5	6992.6	7278.7	6992.6	6706.5	6635.0	5546.0	4094.0	3368.0	2899.4
115°	6311.3	6410.5	6807.1	7203.8	6807.1	6410.5	6311.3	5262.2	3863.5	3164.1	2769.5
117.5°	5864.1	5974.1	6414.0	6853.9	6414.0	5974.1	5864.1	4917.3	3654.9	3023.7	2688.1
120°	5562.8	5669.7	6097.1	6524.6	6097.1	5669.7	5562.8	4697.7	3544.3	2967.6	2660.7
122.5°	5261.6	5367.0	5788.7	6210.3	5788.7	5367.0	5261.6	4482.6	3443.9	2924.6	2646.4
125°	4863.0	4960.1	5348.5	5736.9	5348.5	4960.1	4863.0	4201.3	3319.0	2877.8	2634.6
127.5°	4543.1	4625.0	4952.7	5280.3	4952.7	4625.0	4543.1	3974.9	3217.3	2838.5	2627.7
130°	4341.0	4416.7	4719.4	5022.1	4719.4	4416.7	4341.0	3835.2	3160.7	2823.5	2631.8
132.5°	4168.9	4236.7	4507.7	4778.8	4507.7	4236.7	4168.9	3716.1	3112.3	2810.4	2634.5
135°	3925.6	3984.0	4217.7	4451.4	4217.7	3984.0	3925.6	3546.4	3040.8	2788.0	2632.1
137.5°	3746.0	3793.8	3985.1	4176.3	3985.1	3793.8	3746.0	3425.4	2997.9	2784.2	2648.2
140°	3601.9	3646.6	3825.4	4004.2	3825.4	3646.6	3601.9	3325.0	2955.7	2771.1	2650.9
142.5°	3500.9	3539.4	3693.2	3847.0	3693.2	3539.4	3500.9	3257.6	2933.3	2771.1	2660.5
145°	3349.3	3378.4	3494.9	3611.3	3494.9	3378.4	3349.3	3150.3	2885.0	2752.4	2660.5
147.5°	3222.1	3246.2	3342.7	3439.1	3342.7	3246.2	3222.1	3065.5	2856.8	2752.4	2678.8
150°	3149.1	3168.6	3246.8	3325.0	3246.8	3168.6	3149.1	3016.9	2840.6	2752.4	2688.4
152.5°	3091.1	3105.9	3164.9	3223.9	3164.9	3105.9	3091.1	2978.2	2827.7	2752.4	2694.6
155°	3021.9	3031.7	3070.7	3109.8	3070.7	3031.7	3021.9	2932.1	2812.3	2752.4	2708.3
157.5°	2962.0	2968.9	2996.3	3023.7	2996.3	2968.9	2962.0	2892.1	2799.0	2752.4	2722.0
160°	2932.0	2936.0	2951.8	2967.6	2951.8	2936.0	2932.0	2872.1	2792.3	2752.4	2728.3
162.5°	2904.0	2907.7	2922.7	2937.7	2922.7	2907.7	2904.0	2853.5	2786.1	2752.4	2734.9
165°	2860.9	2864.9	2880.7	2896.5	2880.7	2864.9	2860.9	2824.7	2776.5	2752.4	2744.5
167.5°	2842.2	2843.9	2850.5	2857.2	2850.5	2843.9	2842.2	2818.5	2786.9	2771.1	2764.5
170°	2842.2	2842.2	2842.2	2842.2	2842.2	2842.2	2842.2	2818.5	2786.9	2771.1	2770.7
172.5°	2827.3	2825.8	2820.0	2814.2	2820.0	2825.8	2827.3	2808.6	2783.6	2771.1	2771.1
175°	2806.7	2806.7	2806.7	2806.7	2806.7	2806.7	2806.7	2794.8	2779.0	2771.1	2774.9
177.5°	2802.9	2801.2	2794.6	2788.0	2794.6	2801.2	2802.9	2793.6	2781.1	2774.9	2777.8
180°	2788.0	2788.0	2788.0	2788.0	2788.0	2788.0	2788.0	2788.0	2788.0	2788.0	2788.0



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	2126.6	2126.6	2126.6	2126.6	2126.6
2.5°	2100.5	2110.5	2116.6	2124.6	2144.7
5°	2020.0	2058.2	2070.3	2100.5	2136.7
7.5°	1843.0	1959.6	1991.8	2064.3	2120.6
10°	1671.9	1788.6	1845.0	2016.0	2100.5
12.5°	1585.4	1653.8	1692.1	1931.5	2072.3
15°	1531.1	1579.4	1607.6	1818.8	2040.1
17.5°	1488.8	1523.1	1543.2	1708.2	1995.9
20°	1462.7	1478.8	1496.9	1627.7	1945.6
22.5°	1444.6	1434.5	1448.6	1571.3	1877.2
25°	1432.5	1394.3	1410.4	1527.1	1796.7
27.5°	1442.6	1358.1	1364.1	1486.8	1712.2
30°	1444.6	1313.8	1315.8	1444.6	1617.6
32.5°	1430.5	1267.5	1269.5	1392.3	1511.0
35°	1396.3	1213.2	1211.2	1331.9	1366.1
37.5°	1350.0	1154.9	1154.9	1265.5	1207.2
40°	1293.7	1096.5	1102.6	1179.0	1066.3
42.5°	1225.3	1034.1	1042.2	1064.3	961.7
45°	1150.8	973.8	979.8	899.3	881.2
47.5°	1068.3	911.4	913.4	746.4	855.1
50°	969.8	847.0	839.0	639.8	853.1
52.5°	883.2	776.6	752.5	579.4	774.6
55°	798.7	702.2	649.9	533.2	718.3
57.5°	724.3	605.6	555.3	478.8	706.2
60°	655.9	511.0	472.8	420.5	647.9
62.5°	599.6	440.6	432.6	380.3	587.5
65°	539.2	392.3	390.3	346.1	499.0
67.5°	480.9	360.1	358.1	313.9	380.3
70°	418.5	325.9	321.9	279.7	281.7
72.5°	354.1	287.7	283.7	251.5	233.4
75°	289.7	243.4	241.4	219.3	189.1
77.5°	227.4	193.1	197.2	177.1	138.8
80°	163.0	140.8	144.9	126.8	104.6
82.5°	108.6	92.6	96.6	80.5	70.4
85°	60.4	52.3	54.3	42.3	32.2
87.5°	28.2	24.1	24.1	16.1	10.1
90°	82.3	52.4	48.7	33.7	18.7
92.5°	507.7	361.1	329.3	202.0	74.8
95°	1249.3	703.5	645.3	412.4	179.6
97.5°	1682.8	772.8	721.4	516.0	310.6
100°	1840.6	830.8	784.2	597.9	411.6
102.5°	1912.9	888.8	845.3	671.5	497.7
105°	1966.6	974.9	938.1	790.9	643.7
107.5°	1976.5	1102.1	1067.8	930.6	793.4
110°	1961.6	1173.2	1142.2	1018.3	894.4



TEST NUMBER: P935813

CATALOG NUMBER: SQ4-FA-150U-050D-835-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1962.2	1259.3	1229.8	1111.7	993.6
115°	1980.3	1388.4	1361.2	1252.2	1143.3
117.5°	2017.0	1513.7	1489.0	1390.0	1291.1
120°	2047.0	1586.7	1563.4	1470.3	1377.1
122.5°	2090.1	1672.8	1649.3	1555.3	1461.3
125°	2148.1	1783.2	1761.8	1676.1	1590.5
127.5°	2206.0	1889.8	1868.2	1781.7	1695.2
130°	2248.4	1960.9	1937.6	1844.5	1751.4
132.5°	2282.7	2018.9	1995.6	1902.5	1809.4
135°	2320.2	2086.3	2065.1	1980.2	1895.4
137.5°	2376.3	2172.4	2151.4	2067.4	1983.4
140°	2410.6	2230.4	2211.1	2133.7	2056.4
142.5°	2439.3	2273.4	2255.5	2184.0	2112.5
145°	2476.7	2338.9	2323.3	2261.0	2198.6
147.5°	2531.6	2421.2	2406.0	2345.3	2284.6
150°	2560.3	2464.3	2450.6	2395.7	2340.8
152.5°	2579.0	2492.3	2481.9	2440.4	2398.8
155°	2620.2	2554.1	2546.4	2515.7	2484.9
157.5°	2661.3	2615.8	2608.3	2578.4	2548.5
160°	2680.1	2643.9	2638.1	2614.8	2591.5
162.5°	2700.0	2673.8	2669.4	2652.0	2634.5
165°	2728.7	2716.9	2712.9	2697.1	2681.3
167.5°	2751.2	2741.2	2739.3	2731.9	2724.4
170°	2769.9	2769.3	2767.4	2759.9	2752.4
172.5°	2771.1	2771.1	2770.7	2769.0	2767.4
175°	2782.4	2788.0	2788.0	2788.0	2788.0
177.5°	2783.6	2788.0	2788.0	2788.0	2788.0
180°	2788.0	2788.0	2788.0	2788.0	2788.0



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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	8.15	8.81	9.30	9.95	11.56	11.00	11.66	12.16	12.81	14.41
	3H	8.61	9.20	9.77	10.35	11.98	12.34	12.93	13.50	14.08	15.70
	4H	8.79	9.36	9.96	10.51	12.13	12.77	13.34	13.95	14.49	16.12
	6H	8.90	9.42	10.08	10.57	12.21	13.05	13.57	14.23	14.73	16.36
	8H	8.89	9.39	10.08	10.56	12.18	13.13	13.62	14.31	14.79	16.42
	12H	8.86	9.33	10.04	10.49	12.14	13.16	13.63	14.35	14.79	16.44
4H	2H	9.16	9.72	10.34	10.88	12.50	11.38	11.95	12.56	13.10	14.72
	3H	10.17	10.64	11.35	11.82	13.45	12.88	13.35	14.06	14.52	16.16
	4H	10.44	10.87	11.62	12.03	13.69	13.40	13.83	14.59	15.00	16.65
	6H	10.55	10.92	11.74	12.11	13.75	13.76	14.13	14.95	15.32	16.96
	8H	10.55	10.90	11.74	12.08	13.74	13.86	14.21	15.05	15.39	17.05
	12H	10.51	10.82	11.71	12.01	13.68	13.91	14.23	15.12	15.42	17.09
8H	4H	10.88	11.22	12.07	12.40	14.06	13.51	13.85	14.70	15.03	16.69
	6H	11.13	11.42	12.34	12.64	14.30	13.94	14.23	15.15	15.45	17.11
	8H	11.17	11.42	12.38	12.62	14.30	14.09	14.34	15.31	15.54	17.22
	12H	11.15	11.36	12.36	12.56	14.27	14.19	14.41	15.40	15.60	17.31
12H	4H	10.87	11.19	12.08	12.38	14.04	13.46	13.78	14.67	14.97	16.63
	6H	11.19	11.44	12.40	12.64	14.32	13.94	14.18	15.15	15.38	17.06
	8H	11.25	11.47	12.46	12.66	14.37	14.09	14.31	15.31	15.51	17.22