

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: P935949

Luminaire Tested: SQ4-FA-150U-075D-930-1D-UNV-STD-W-12

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935949
REPORT IS A COMBINATION OF REPORTS P933773 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-150U-075D-930-1D-UNV-STD-W-12
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

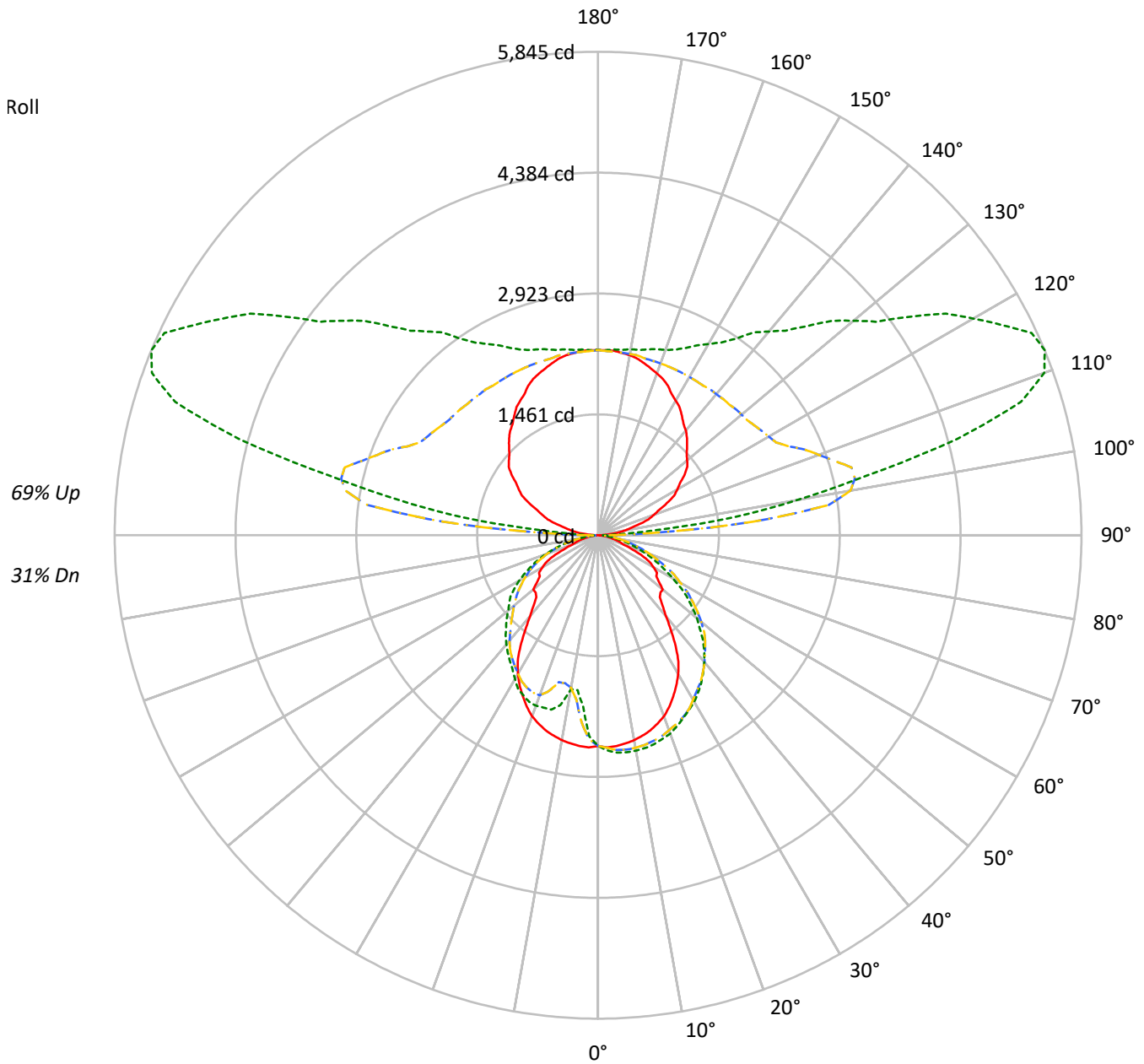
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21123.6 lumens
Efficiency: N/A
Efficacy: 110.7 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): 190.8
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	103	103	103	103	92	92	92	92	73	73	73	55	55	55	39	39	39	39	39	39	31
1	94	89	86	82	84	81	77	75	64	62	60	49	47	46	34	34	33	34	34	33	26
2	85	78	72	67	76	70	65	61	56	52	49	43	40	38	30	29	28	30	29	28	22
3	78	69	61	56	70	62	56	51	49	45	42	38	35	32	27	25	24	27	25	24	19
4	71	61	53	47	64	55	48	43	44	39	35	33	30	28	24	22	20	24	22	20	16
5	65	54	46	40	58	49	42	37	39	34	30	30	27	24	22	19	18	22	19	18	14
6	60	48	40	35	54	44	37	32	35	30	26	27	23	21	19	17	15	19	17	15	12
7	55	43	36	30	49	39	33	28	32	27	23	24	21	18	18	15	14	18	15	14	11
8	51	39	32	27	46	36	29	24	29	24	20	22	19	16	16	14	12	16	14	12	10
9	47	36	28	23	43	32	26	22	26	21	18	20	17	14	15	13	11	15	13	11	9
10	44	33	26	21	40	30	23	19	24	19	16	19	15	13	14	12	10	14	12	10	8

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	7876	7876	7876	7876
5°	7938	7951	7938	6251
10°	7888	7832	7888	5599
15°	7805	7662	7805	6398
20°	7645	7461	7645	6411
25°	7314	7168	7314	6276
30°	6884	6925	6884	5977
35°	6140	6617	6140	5649
40°	5120	6254	5120	5401
45°	4577	5830	4577	5117
50°	4867	5324	4867	4831
55°	4583	4778	4583	4665
60°	4730	4058	4730	4273
65°	4296	3355	4296	3750
70°	2982	2674	2982	3143
75°	2624	1976	2624	2367
80°	2131	1307	2131	1423
85°	1248	692	1248	588

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 7011 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	229.9	1.1
10°-20°	652.6	3.1
20°-30°	1008.8	4.8
30°-40°	1204.3	5.7
40°-50°	1211.4	5.7
50°-60°	1054.0	5.0
60°-70°	747.3	3.5
70°-80°	395.4	1.9
80°-90°	107.0	0.5
90°-100°	1091.3	5.2
100°-110°	2869.0	13.6
110°-120°	2974.9	14.1
120°-130°	2386.2	11.3
130°-140°	1872.3	8.9
140°-150°	1437.1	6.8
150°-160°	1034.9	4.9
160°-170°	633.2	3.0
170°-180°	213.9	1.0
0°-30°	1891.3	9.0
0°-40°	3095.6	14.7
0°-60°	5361.0	25.4
0°-90°	6610.7	31.3
90°-120°	6935.2	32.8
90°-150°	12630.8	59.8
90°-180°	14513.0	68.7
0°-180°	21123.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2546	2546	2546	2546	2546	
5°	2558	2638	2558	2074	2558	243
15°	2443	2614	2443	2183	2443	687
25°	2151	2438	2151	2134	2151	988
35°	1636	2175	1636	1857	1636	1012
45°	1055	1792	1055	1573	1055	845
55°	860	1322	860	1291	860	790
65°	597	797	597	891	597	571
75°	226	378	226	453	226	238
85°	38	96	38	82	38	52
90°	15	57	15	57	15	14
95°	144	660	144	660	144	160
105°	517	4492	517	4492	517	548
115°	918	5785	918	5785	918	907
125°	1277	4607	1277	4607	1277	1134
135°	1522	3574	1522	3574	1522	1178
145°	1766	2900	1766	2900	1766	1106
155°	1995	2497	1995	2497	1995	917
165°	2153	2326	2153	2326	2153	608
175°	2239	2254	2239	2254	2239	213
180°	2239	2239	2239	2239	2239	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2546.4	2546.4	2546.4	2546.4	2546.4	2546.4	2546.4	2546.4	2546.4	2546.4	2546.4
2.5°	2568.1	2568.1	2582.5	2587.3	2587.3	2580.1	2572.9	2580.1	2601.8	2609.0	2606.6
5°	2558.4	2577.7	2604.2	2609.0	2613.8	2611.4	2606.6	2611.4	2635.5	2640.3	2642.8
7.5°	2539.2	2575.3	2609.0	2616.3	2623.5	2616.3	2613.8	2618.7	2642.8	2647.6	2647.6
10°	2515.1	2565.7	2604.2	2609.0	2616.3	2609.0	2609.0	2618.7	2642.8	2647.6	2650.0
12.5°	2481.4	2551.2	2587.3	2592.2	2601.8	2599.4	2597.0	2606.6	2630.7	2635.5	2635.5
15°	2442.8	2524.7	2558.4	2563.3	2580.1	2575.3	2575.3	2584.9	2611.4	2618.7	2616.3
17.5°	2389.8	2491.0	2529.5	2536.8	2548.8	2546.4	2548.8	2558.4	2582.5	2587.3	2589.8
20°	2329.6	2445.2	2491.0	2498.2	2510.3	2510.3	2510.3	2522.3	2546.4	2556.0	2556.0
22.5°	2247.7	2397.0	2445.2	2450.0	2464.5	2464.5	2469.3	2486.2	2507.8	2510.3	2510.3
25°	2151.3	2344.0	2385.0	2399.4	2413.9	2421.1	2428.4	2438.0	2445.2	2442.8	2445.2
27.5°	2050.1	2276.6	2329.6	2339.2	2358.5	2365.7	2375.4	2377.8	2380.2	2387.4	2382.6
30°	1936.8	2182.6	2262.1	2271.8	2303.1	2307.9	2298.3	2303.1	2315.1	2319.9	2324.8
32.5°	1809.2	2042.8	2192.3	2214.0	2242.9	2228.4	2226.0	2233.2	2252.5	2252.5	2257.3
35°	1635.7	1934.4	2127.2	2146.5	2168.2	2151.3	2161.0	2163.4	2175.4	2182.6	2180.2
37.5°	1445.4	1840.5	2059.7	2074.1	2091.0	2069.3	2083.8	2091.0	2100.6	2095.8	2095.8
40°	1276.8	1693.5	1980.2	1989.8	2004.3	1987.4	2001.9	2006.7	2011.5	2006.7	2004.3
42.5°	1151.5	1532.1	1895.9	1907.9	1898.3	1910.3	1915.2	1924.8	1917.6	1907.9	1907.9
45°	1055.1	1488.8	1804.3	1818.8	1804.3	1823.6	1830.8	1830.8	1809.2	1804.3	1801.9
47.5°	1023.8	1402.0	1712.8	1712.8	1705.6	1729.7	1741.7	1724.8	1703.2	1695.9	1695.9
50°	1021.4	1305.7	1587.5	1577.9	1611.6	1640.5	1628.5	1611.6	1594.8	1568.3	1568.3
52.5°	927.5	1187.6	1426.1	1462.3	1515.3	1532.1	1512.9	1496.0	1467.1	1455.0	1445.4
55°	860.0	1064.8	1279.2	1351.4	1406.9	1428.5	1392.4	1375.5	1332.2	1325.0	1320.1
57.5°	845.6	886.5	1144.3	1235.8	1303.3	1300.9	1279.2	1247.9	1211.7	1204.5	1202.1
60°	775.7	640.8	999.7	1108.1	1178.0	1170.8	1151.5	1122.6	1088.9	1084.0	1079.2
62.5°	703.4	464.9	835.9	958.8	1057.6	1055.1	1038.3	994.9	970.8	958.8	949.1
65°	597.4	390.3	595.0	797.4	939.5	944.3	908.2	876.9	850.4	835.9	833.5
67.5°	455.3	318.0	402.3	664.9	826.3	821.5	775.7	761.2	727.5	720.3	705.8
70°	337.3	212.0	279.4	539.6	715.5	703.4	667.3	650.4	619.1	602.2	592.6
72.5°	279.4	171.0	204.8	419.2	602.2	587.8	556.5	537.2	510.7	496.3	486.6
75°	226.4	180.7	156.6	310.8	489.0	479.4	450.5	431.2	409.5	390.3	392.7
77.5°	166.2	168.6	125.3	228.9	387.8	373.4	356.5	332.4	322.8	303.5	303.5
80°	125.3	132.5	94.0	156.6	279.4	279.4	265.0	248.1	231.3	221.6	221.6
82.5°	84.3	84.3	69.9	98.8	190.3	183.1	173.4	168.6	159.0	154.2	154.2
85°	38.5	48.2	43.4	60.2	103.6	108.4	108.4	103.6	101.2	96.4	98.8
87.5°	12.0	21.7	26.5	33.7	53.0	55.4	57.8	57.8	57.8	60.2	60.2
90°	15.0	27.1	39.1	42.1	66.1	98.1	114.2	101.5	76.1	57.1	57.1
92.5°	60.1	162.2	264.4	290.0	407.7	564.6	643.0	563.5	404.6	285.5	274.1
95°	144.2	331.2	518.2	564.9	1003.2	1587.5	1879.7	1677.3	1272.7	969.1	934.8
97.5°	249.4	414.3	579.3	620.6	1351.3	2325.6	2812.7	2684.8	2429.1	2237.2	2171.8
100°	330.5	480.1	629.7	667.1	1478.0	2559.1	3099.7	3109.0	3127.7	3141.7	3063.8
102.5°	399.7	539.2	678.8	713.7	1536.1	2632.6	3180.8	3343.8	3669.6	3914.1	3847.3
105°	516.9	635.1	753.3	782.8	1579.2	2640.9	3171.8	3537.1	4267.6	4815.5	4779.6
107.5°	637.1	747.3	857.4	885.0	1587.1	2523.3	2991.5	3501.0	4520.0	5284.3	5293.0
110°	718.2	817.7	917.2	942.1	1575.2	2419.2	2841.3	3410.9	4550.1	5404.5	5441.9



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	797.9	892.7	987.5	1011.2	1575.6	2328.2	2704.5	3287.5	4453.4	5327.9	5385.3
115°	918.1	1005.5	1093.0	1114.9	1590.2	2223.9	2540.8	3102.4	4225.5	5068.0	5147.6
117.5°	1036.8	1116.2	1195.7	1215.5	1619.7	2158.5	2428.0	2934.9	3948.6	4708.9	4797.2
120°	1105.8	1180.7	1255.4	1274.1	1643.7	2136.5	2383.0	2846.1	3772.3	4466.9	4552.8
122.5°	1173.4	1248.9	1324.4	1343.3	1678.4	2125.1	2348.5	2765.5	3599.5	4225.1	4309.7
125°	1277.2	1345.9	1414.7	1431.9	1724.9	2115.6	2310.9	2665.2	3373.6	3905.0	3983.0
127.5°	1361.2	1430.7	1500.2	1517.5	1771.4	2110.0	2279.3	2583.5	3191.8	3648.1	3713.9
130°	1406.4	1481.1	1555.9	1574.6	1805.5	2113.3	2267.3	2538.0	3079.7	3485.8	3546.6
132.5°	1452.9	1527.7	1602.5	1621.2	1833.0	2115.5	2256.8	2499.2	2984.0	3347.6	3402.1
135°	1522.0	1590.1	1658.3	1675.3	1863.1	2113.6	2238.8	2441.8	2847.8	3152.3	3199.2
137.5°	1592.7	1660.1	1727.6	1744.4	1908.2	2126.5	2235.7	2407.3	2750.6	3008.0	3046.4
140°	1651.3	1713.4	1775.5	1791.0	1935.7	2128.7	2225.2	2373.4	2670.0	2892.3	2928.2
142.5°	1696.3	1753.8	1811.2	1825.5	1958.8	2136.4	2225.2	2355.4	2615.9	2811.2	2842.1
145°	1765.5	1815.6	1865.6	1878.1	1988.8	2136.4	2210.2	2316.7	2529.7	2689.5	2712.9
147.5°	1834.5	1883.3	1932.0	1944.2	2032.9	2151.1	2210.2	2294.0	2461.6	2587.3	2606.7
150°	1879.7	1923.7	1967.8	1978.8	2055.9	2158.8	2210.2	2281.0	2422.6	2528.7	2544.4
152.5°	1926.2	1959.6	1993.0	2001.3	2070.9	2163.8	2210.2	2270.6	2391.5	2482.2	2494.0
155°	1995.4	2020.1	2044.8	2050.9	2104.0	2174.8	2210.2	2258.3	2354.5	2426.6	2434.5
157.5°	2046.4	2070.5	2094.5	2100.5	2137.0	2185.8	2210.2	2247.6	2322.4	2378.5	2384.0
160°	2081.0	2099.7	2118.4	2123.1	2152.1	2190.8	2210.2	2242.2	2306.3	2354.4	2357.6
162.5°	2115.5	2129.6	2143.5	2147.1	2168.1	2196.1	2210.2	2237.2	2291.4	2331.9	2334.9
165°	2153.1	2165.8	2178.5	2181.7	2191.1	2203.8	2210.2	2229.5	2268.2	2297.3	2300.5
167.5°	2187.7	2193.7	2199.7	2201.2	2209.2	2219.9	2225.2	2237.9	2263.3	2282.3	2283.7
170°	2210.2	2216.2	2222.2	2223.7	2224.2	2224.9	2225.2	2237.9	2263.3	2282.3	2282.3
172.5°	2222.2	2223.5	2224.9	2225.2	2225.2	2225.2	2225.2	2235.2	2255.3	2270.3	2269.1
175°	2238.8	2238.8	2238.8	2238.8	2234.3	2228.2	2225.2	2231.5	2244.2	2253.8	2253.8
177.5°	2238.8	2238.8	2238.8	2238.8	2235.2	2230.6	2228.2	2233.2	2243.3	2250.7	2249.4
180°	2238.8	2238.8	2238.8	2238.8	2238.8	2238.8	2238.8	2238.8	2238.8	2238.8	2238.8



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2546.4	2546.4	2546.4	2546.4	2546.4	2546.4	2546.4	2546.4	2546.4	2546.4	2546.4
2.5°	2611.4	2604.2	2611.4	2606.6	2609.0	2601.8	2580.1	2572.9	2580.1	2587.3	2587.3
5°	2642.8	2637.9	2642.8	2642.8	2640.3	2635.5	2611.4	2606.6	2611.4	2613.8	2609.0
7.5°	2652.4	2645.2	2652.4	2647.6	2647.6	2642.8	2618.7	2613.8	2616.3	2623.5	2616.3
10°	2652.4	2645.2	2652.4	2650.0	2647.6	2642.8	2618.7	2609.0	2609.0	2616.3	2609.0
12.5°	2640.3	2635.5	2640.3	2635.5	2635.5	2630.7	2606.6	2597.0	2599.4	2601.8	2592.2
15°	2621.1	2613.8	2621.1	2616.3	2618.7	2611.4	2584.9	2575.3	2575.3	2580.1	2563.3
17.5°	2592.2	2582.5	2592.2	2589.8	2587.3	2582.5	2558.4	2548.8	2546.4	2548.8	2536.8
20°	2558.4	2551.2	2558.4	2556.0	2556.0	2546.4	2522.3	2510.3	2510.3	2510.3	2498.2
22.5°	2505.4	2498.2	2505.4	2510.3	2510.3	2507.8	2486.2	2469.3	2464.5	2464.5	2450.0
25°	2445.2	2438.0	2445.2	2445.2	2442.8	2445.2	2438.0	2428.4	2421.1	2413.9	2399.4
27.5°	2387.4	2382.6	2387.4	2382.6	2387.4	2380.2	2377.8	2375.4	2365.7	2358.5	2339.2
30°	2329.6	2324.8	2329.6	2324.8	2319.9	2315.1	2303.1	2298.3	2307.9	2303.1	2271.8
32.5°	2257.3	2252.5	2257.3	2257.3	2252.5	2252.5	2233.2	2226.0	2228.4	2242.9	2214.0
35°	2182.6	2175.4	2182.6	2180.2	2182.6	2175.4	2163.4	2161.0	2151.3	2168.2	2146.5
37.5°	2095.8	2088.6	2095.8	2095.8	2095.8	2100.6	2091.0	2083.8	2069.3	2091.0	2074.1
40°	2006.7	1997.1	2006.7	2004.3	2006.7	2011.5	2006.7	2001.9	1987.4	2004.3	1989.8
42.5°	1905.5	1903.1	1905.5	1907.9	1907.9	1917.6	1924.8	1915.2	1910.3	1898.3	1907.9
45°	1797.1	1792.3	1797.1	1801.9	1804.3	1809.2	1830.8	1830.8	1823.6	1804.3	1818.8
47.5°	1681.5	1669.4	1681.5	1695.9	1695.9	1703.2	1724.8	1741.7	1729.7	1705.6	1712.8
50°	1558.6	1561.0	1558.6	1568.3	1568.3	1594.8	1611.6	1628.5	1640.5	1611.6	1577.9
52.5°	1438.2	1435.8	1438.2	1445.4	1455.0	1467.1	1496.0	1512.9	1532.1	1515.3	1462.3
55°	1317.7	1322.5	1317.7	1320.1	1325.0	1332.2	1375.5	1392.4	1428.5	1406.9	1351.4
57.5°	1197.3	1190.0	1197.3	1202.1	1204.5	1211.7	1247.9	1279.2	1300.9	1303.3	1235.8
60°	1057.6	1047.9	1057.6	1079.2	1084.0	1088.9	1122.6	1151.5	1170.8	1178.0	1108.1
62.5°	934.7	917.8	934.7	949.1	958.8	970.8	994.9	1038.3	1055.1	1057.6	958.8
65°	804.6	797.4	804.6	833.5	835.9	850.4	876.9	908.2	944.3	939.5	797.4
67.5°	686.6	686.6	686.6	705.8	720.3	727.5	761.2	775.7	821.5	826.3	664.9
70°	578.2	575.8	578.2	592.6	602.2	619.1	650.4	667.3	703.4	715.5	539.6
72.5°	474.6	472.2	474.6	486.6	496.3	510.7	537.2	556.5	587.8	602.2	419.2
75°	383.0	378.2	383.0	392.7	390.3	409.5	431.2	450.5	479.4	489.0	310.8
77.5°	293.9	293.9	293.9	303.5	303.5	322.8	332.4	356.5	373.4	387.8	228.9
80°	219.2	216.8	219.2	221.6	221.6	231.3	248.1	265.0	279.4	279.4	156.6
82.5°	154.2	149.4	154.2	154.2	154.2	159.0	168.6	173.4	183.1	190.3	98.8
85°	96.4	96.4	96.4	98.8	96.4	101.2	103.6	108.4	108.4	103.6	60.2
87.5°	62.6	60.2	62.6	60.2	60.2	57.8	57.8	57.8	55.4	53.0	33.7
90°	57.1	57.1	57.1	57.1	57.1	76.1	101.5	114.2	98.1	66.1	42.1
92.5°	228.7	183.3	228.7	274.1	285.5	404.6	563.5	643.0	564.6	407.7	290.0
95°	797.1	659.6	797.1	934.8	969.1	1272.7	1677.3	1879.7	1587.5	1003.2	564.9
97.5°	1910.0	1648.2	1910.0	2171.8	2237.2	2429.1	2684.8	2812.7	2325.6	1351.3	620.6
100°	2752.0	2440.1	2752.0	3063.8	3141.7	3127.7	3109.0	3099.7	2559.1	1478.0	667.1
102.5°	3580.2	3313.0	3580.2	3847.3	3914.1	3669.6	3343.8	3180.8	2632.6	1536.1	713.7
105°	4636.1	4492.5	4636.1	4779.6	4815.5	4267.6	3537.1	3171.8	2640.9	1579.2	782.8
107.5°	5327.7	5362.4	5327.7	5293.0	5284.3	4520.0	3501.0	2991.5	2523.3	1587.1	885.0
110°	5591.5	5741.1	5591.5	5441.9	5404.5	4550.1	3410.9	2841.3	2419.2	1575.2	942.1



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	5615.1	5844.8	5615.1	5385.3	5327.9	4453.4	3287.5	2704.5	2328.2	1575.6	1011.2
115°	5466.1	5784.7	5466.1	5147.6	5068.0	4225.5	3102.4	2540.8	2223.9	1590.2	1114.9
117.5°	5150.4	5503.7	5150.4	4797.2	4708.9	3948.6	2934.9	2428.0	2158.5	1619.7	1215.5
120°	4896.0	5239.3	4896.0	4552.8	4466.9	3772.3	2846.1	2383.0	2136.5	1643.7	1274.1
122.5°	4648.3	4986.9	4648.3	4309.7	4225.1	3599.5	2765.5	2348.5	2125.1	1678.4	1343.3
125°	4294.8	4606.7	4294.8	3983.0	3905.0	3373.6	2665.2	2310.9	2115.6	1724.9	1431.9
127.5°	3977.0	4240.1	3977.0	3713.9	3648.1	3191.8	2583.5	2279.3	2110.0	1771.4	1517.5
130°	3789.7	4032.7	3789.7	3546.6	3485.8	3079.7	2538.0	2267.3	2113.3	1805.5	1574.6
132.5°	3619.7	3837.4	3619.7	3402.1	3347.6	2984.0	2499.2	2256.8	2115.5	1833.0	1621.2
135°	3386.8	3574.5	3386.8	3199.2	3152.3	2847.8	2441.8	2238.8	2113.6	1863.1	1675.3
137.5°	3200.0	3353.6	3200.0	3046.4	3008.0	2750.6	2407.3	2235.7	2126.5	1908.2	1744.4
140°	3071.8	3215.4	3071.8	2928.2	2892.3	2670.0	2373.4	2225.2	2128.7	1935.7	1791.0
142.5°	2965.6	3089.1	2965.6	2842.1	2811.2	2615.9	2355.4	2225.2	2136.4	1958.8	1825.5
145°	2806.4	2899.9	2806.4	2712.9	2689.5	2529.7	2316.7	2210.2	2136.4	1988.8	1878.1
147.5°	2684.2	2761.6	2684.2	2606.7	2587.3	2461.6	2294.0	2210.2	2151.1	2032.9	1944.2
150°	2607.2	2670.0	2607.2	2544.4	2528.7	2422.6	2281.0	2210.2	2158.8	2055.9	1978.8
152.5°	2541.4	2588.8	2541.4	2494.0	2482.2	2391.5	2270.6	2210.2	2163.8	2070.9	2001.3
155°	2465.8	2497.2	2465.8	2434.5	2426.6	2354.5	2258.3	2210.2	2174.8	2104.0	2050.9
157.5°	2406.0	2428.0	2406.0	2384.0	2378.5	2322.4	2247.6	2210.2	2185.8	2137.0	2100.5
160°	2370.3	2383.0	2370.3	2357.6	2354.4	2306.3	2242.2	2210.2	2190.8	2152.1	2123.1
162.5°	2346.9	2359.0	2346.9	2334.9	2331.9	2291.4	2237.2	2210.2	2196.1	2168.1	2147.1
165°	2313.2	2325.9	2313.2	2300.5	2297.3	2268.2	2229.5	2210.2	2203.8	2191.1	2181.7
167.5°	2289.0	2294.3	2289.0	2283.7	2282.3	2263.3	2237.9	2225.2	2219.9	2209.2	2201.2
170°	2282.3	2282.3	2282.3	2282.3	2282.3	2263.3	2237.9	2225.2	2224.9	2224.2	2223.7
172.5°	2264.5	2259.8	2264.5	2269.1	2270.3	2255.3	2235.2	2225.2	2225.2	2225.2	2225.2
175°	2253.8	2253.8	2253.8	2253.8	2253.8	2244.2	2231.5	2225.2	2228.2	2234.3	2238.8
177.5°	2244.1	2238.8	2244.1	2249.4	2250.7	2243.3	2233.2	2228.2	2230.6	2235.2	2238.8
180°	2238.8	2238.8	2238.8	2238.8	2238.8	2238.8	2238.8	2238.8	2238.8	2238.8	2238.8



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2546.4	2546.4	2546.4	2546.4	2546.4	2546.4	2546.4	2546.4	2546.4	2546.4	2546.4
2.5°	2582.5	2568.1	2568.1	2544.0	2534.3	2527.1	2515.1	2478.9	2469.3	2459.7	2474.1
5°	2604.2	2577.7	2558.4	2515.1	2478.9	2464.5	2418.7	2332.0	2274.2	2230.8	2206.7
7.5°	2609.0	2575.3	2539.2	2471.7	2385.0	2346.4	2206.7	2047.6	2004.3	1965.7	1941.7
10°	2604.2	2565.7	2515.1	2413.9	2209.1	2141.7	2001.9	1898.3	1871.8	1864.6	1871.8
12.5°	2587.3	2551.2	2481.4	2312.7	2026.0	1980.2	1898.3	1838.1	1833.2	1845.3	1910.3
15°	2558.4	2524.7	2442.8	2177.8	1924.8	1891.1	1833.2	1811.6	1838.1	1922.4	2117.5
17.5°	2529.5	2491.0	2389.8	2045.2	1847.7	1823.6	1782.7	1826.0	1975.4	2088.6	2153.7
20°	2491.0	2445.2	2329.6	1948.9	1792.3	1770.6	1751.3	1946.5	2059.7	2100.6	2136.9
22.5°	2445.2	2397.0	2247.7	1881.4	1734.5	1717.6	1729.7	2013.9	2059.7	2088.6	2119.9
25°	2385.0	2344.0	2151.3	1828.4	1688.7	1669.4	1715.2	2006.7	2033.2	2040.4	2103.1
27.5°	2329.6	2276.6	2050.1	1780.3	1633.3	1626.1	1727.3	1975.4	1994.7	2001.9	2069.3
30°	2262.1	2182.6	1936.8	1729.7	1575.5	1573.1	1729.7	1936.8	1932.0	1951.3	2018.7
32.5°	2192.3	2042.8	1809.2	1667.0	1520.1	1517.7	1712.8	1879.0	1874.2	1900.7	1951.3
35°	2127.2	1934.4	1635.7	1594.8	1450.2	1452.6	1671.8	1811.6	1814.0	1838.1	1869.4
37.5°	2059.7	1840.5	1445.4	1515.3	1382.8	1382.8	1616.4	1748.9	1744.1	1751.3	1794.7
40°	1980.2	1693.5	1276.8	1411.7	1320.1	1312.9	1549.0	1681.5	1664.6	1662.2	1722.4
42.5°	1895.9	1532.1	1151.5	1274.4	1247.9	1238.2	1467.1	1599.6	1568.3	1575.5	1652.6
45°	1804.3	1488.8	1055.1	1076.8	1173.2	1166.0	1377.9	1505.6	1483.9	1503.2	1582.7
47.5°	1712.8	1402.0	1023.8	893.7	1093.7	1091.3	1279.2	1414.1	1402.0	1421.3	1505.6
50°	1587.5	1305.7	1021.4	766.1	1004.6	1014.2	1161.1	1325.0	1325.0	1341.8	1430.9
52.5°	1426.1	1187.6	927.5	693.8	901.0	929.9	1057.6	1247.9	1252.7	1269.5	1349.0
55°	1279.2	1064.8	860.0	638.4	778.1	840.7	956.4	1168.4	1178.0	1194.9	1267.1
57.5°	1144.3	886.5	845.6	573.3	664.9	725.1	867.2	1091.3	1096.1	1110.5	1180.4
60°	999.7	640.8	775.7	503.5	566.1	611.9	785.3	999.7	1016.6	1026.2	1086.5
62.5°	835.9	464.9	703.4	455.3	517.9	527.6	717.9	913.0	934.7	941.9	978.1
65°	595.0	390.3	597.4	414.3	467.3	469.8	645.6	823.9	843.2	855.2	881.7
67.5°	402.3	318.0	455.3	375.8	428.8	431.2	575.8	720.3	746.8	756.4	773.3
70°	279.4	212.0	337.3	334.9	385.4	390.3	501.1	626.3	650.4	657.7	667.3
72.5°	204.8	171.0	279.4	301.1	339.7	344.5	424.0	520.3	544.4	551.7	556.5
75°	156.6	180.7	226.4	262.6	289.1	291.5	346.9	424.0	440.8	445.7	448.1
77.5°	125.3	168.6	166.2	212.0	236.1	231.3	272.2	327.6	342.1	342.1	342.1
80°	94.0	132.5	125.3	151.8	173.4	168.6	195.1	233.7	238.5	243.3	240.9
82.5°	69.9	84.3	84.3	96.4	115.6	110.8	130.1	151.8	151.8	151.8	156.6
85°	43.4	48.2	38.5	50.6	65.0	62.6	72.3	81.9	84.3	84.3	79.5
87.5°	26.5	21.7	12.0	19.3	28.9	28.9	33.7	36.1	33.7	33.7	33.7
90°	39.1	27.1	15.0	27.1	39.1	42.1	66.1	98.1	114.2	101.5	76.1
92.5°	264.4	162.2	60.1	162.2	264.4	290.0	407.7	564.6	643.0	563.5	404.6
95°	518.2	331.2	144.2	331.2	518.2	564.9	1003.2	1587.5	1879.7	1677.3	1272.7
97.5°	579.3	414.3	249.4	414.3	579.3	620.6	1351.3	2325.6	2812.7	2684.8	2429.1
100°	629.7	480.1	330.5	480.1	629.7	667.1	1478.0	2559.1	3099.7	3109.0	3127.7
102.5°	678.8	539.2	399.7	539.2	678.8	713.7	1536.1	2632.6	3180.8	3343.8	3669.6
105°	753.3	635.1	516.9	635.1	753.3	782.8	1579.2	2640.9	3171.8	3537.1	4267.6
107.5°	857.4	747.3	637.1	747.3	857.4	885.0	1587.1	2523.3	2991.5	3501.0	4520.0
110°	917.2	817.7	718.2	817.7	917.2	942.1	1575.2	2419.2	2841.3	3410.9	4550.1



TEST NUMBER: P935949

CATALOG NUMBER: SQ4-FA-150U-075D-930-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	987.5	892.7	797.9	892.7	987.5	1011.2	1575.6	2328.2	2704.5	3287.5	4453.4
115°	1093.0	1005.5	918.1	1005.5	1093.0	1114.9	1590.2	2223.9	2540.8	3102.4	4225.5
117.5°	1195.7	1116.2	1036.8	1116.2	1195.7	1215.5	1619.7	2158.5	2428.0	2934.9	3948.6
120°	1255.4	1180.7	1105.8	1180.7	1255.4	1274.1	1643.7	2136.5	2383.0	2846.1	3772.3
122.5°	1324.4	1248.9	1173.4	1248.9	1324.4	1343.3	1678.4	2125.1	2348.5	2765.5	3599.5
125°	1414.7	1345.9	1277.2	1345.9	1414.7	1431.9	1724.9	2115.6	2310.9	2665.2	3373.6
127.5°	1500.2	1430.7	1361.2	1430.7	1500.2	1517.5	1771.4	2110.0	2279.3	2583.5	3191.8
130°	1555.9	1481.1	1406.4	1481.1	1555.9	1574.6	1805.5	2113.3	2267.3	2538.0	3079.7
132.5°	1602.5	1527.7	1452.9	1527.7	1602.5	1621.2	1833.0	2115.5	2256.8	2499.2	2984.0
135°	1658.3	1590.1	1522.0	1590.1	1658.3	1675.3	1863.1	2113.6	2238.8	2441.8	2847.8
137.5°	1727.6	1660.1	1592.7	1660.1	1727.6	1744.4	1908.2	2126.5	2235.7	2407.3	2750.6
140°	1775.5	1713.4	1651.3	1713.4	1775.5	1791.0	1935.7	2128.7	2225.2	2373.4	2670.0
142.5°	1811.2	1753.8	1696.3	1753.8	1811.2	1825.5	1958.8	2136.4	2225.2	2355.4	2615.9
145°	1865.6	1815.6	1765.5	1815.6	1865.6	1878.1	1988.8	2136.4	2210.2	2316.7	2529.7
147.5°	1932.0	1883.3	1834.5	1883.3	1932.0	1944.2	2032.9	2151.1	2210.2	2294.0	2461.6
150°	1967.8	1923.7	1879.7	1923.7	1967.8	1978.8	2055.9	2158.8	2210.2	2281.0	2422.6
152.5°	1993.0	1959.6	1926.2	1959.6	1993.0	2001.3	2070.9	2163.8	2210.2	2270.6	2391.5
155°	2044.8	2020.1	1995.4	2020.1	2044.8	2050.9	2104.0	2174.8	2210.2	2258.3	2354.5
157.5°	2094.5	2070.5	2046.4	2070.5	2094.5	2100.5	2137.0	2185.8	2210.2	2247.6	2322.4
160°	2118.4	2099.7	2081.0	2099.7	2118.4	2123.1	2152.1	2190.8	2210.2	2242.2	2306.3
162.5°	2143.5	2129.6	2115.5	2129.6	2143.5	2147.1	2168.1	2196.1	2210.2	2237.2	2291.4
165°	2178.5	2165.8	2153.1	2165.8	2178.5	2181.7	2191.1	2203.8	2210.2	2229.5	2268.2
167.5°	2199.7	2193.7	2187.7	2193.7	2199.7	2201.2	2209.2	2219.9	2225.2	2237.9	2263.3
170°	2222.2	2216.2	2210.2	2216.2	2222.2	2223.7	2224.2	2224.9	2225.2	2237.9	2263.3
172.5°	2224.9	2223.5	2222.2	2223.5	2224.9	2225.2	2225.2	2225.2	2225.2	2235.2	2255.3
175°	2238.8	2238.8	2238.8	2238.8	2238.8	2238.8	2234.3	2228.2	2225.2	2231.5	2244.2
177.5°	2238.8	2238.8	2238.8	2238.8	2238.8	2238.8	2235.2	2230.6	2228.2	2233.2	2243.3
180°	2238.8	2238.8	2238.8	2238.8	2238.8	2238.8	2238.8	2238.8	2238.8	2238.8	2238.8



TEST NUMBER: P935949

CATALOG NUMBER: SQ4-FA-150U-075D-930-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2546.4	2546.4	2546.4	2546.4	2546.4	2546.4	2546.4	2546.4	2546.4	2546.4	2546.4
2.5°	2457.3	2450.0	2459.7	2433.2	2459.7	2450.0	2457.3	2474.1	2459.7	2469.3	2478.9
5°	2156.1	2144.1	2105.5	2074.1	2105.5	2144.1	2156.1	2206.7	2230.8	2274.2	2332.0
7.5°	1927.2	1917.6	1907.9	1888.7	1907.9	1917.6	1927.2	1941.7	1965.7	2004.3	2047.6
10°	1876.6	1879.0	1893.5	1891.1	1893.5	1879.0	1876.6	1871.8	1864.6	1871.8	1898.3
12.5°	2006.7	2028.4	2107.9	2103.1	2107.9	2028.4	2006.7	1910.3	1845.3	1833.2	1838.1
15°	2156.1	2163.4	2180.2	2182.6	2180.2	2163.4	2156.1	2117.5	1922.4	1838.1	1811.6
17.5°	2170.6	2173.0	2185.0	2185.0	2185.0	2173.0	2170.6	2153.7	2088.6	1975.4	1826.0
20°	2158.5	2163.4	2187.5	2192.3	2187.5	2163.4	2158.5	2136.9	2100.6	2059.7	1946.5
22.5°	2153.7	2163.4	2182.6	2180.2	2182.6	2163.4	2153.7	2119.9	2088.6	2059.7	2013.9
25°	2129.6	2129.6	2132.0	2134.5	2132.0	2129.6	2129.6	2103.1	2040.4	2033.2	2006.7
27.5°	2079.0	2083.8	2098.2	2095.8	2098.2	2083.8	2079.0	2069.3	2001.9	1994.7	1975.4
30°	2033.2	2028.4	2016.3	2006.7	2016.3	2028.4	2033.2	2018.7	1951.3	1932.0	1936.8
32.5°	1956.1	1944.1	1932.0	1924.8	1932.0	1944.1	1956.1	1951.3	1900.7	1874.2	1879.0
35°	1864.6	1867.0	1864.6	1857.3	1864.6	1867.0	1864.6	1869.4	1838.1	1814.0	1811.6
37.5°	1799.5	1804.3	1801.9	1792.3	1801.9	1804.3	1799.5	1794.7	1751.3	1744.1	1748.9
40°	1732.1	1734.5	1732.1	1724.8	1732.1	1734.5	1732.1	1722.4	1662.2	1664.6	1681.5
42.5°	1667.0	1664.6	1657.4	1652.6	1657.4	1664.6	1667.0	1652.6	1575.5	1568.3	1599.6
45°	1592.3	1594.8	1580.3	1573.1	1580.3	1594.8	1592.3	1582.7	1503.2	1483.9	1505.6
47.5°	1517.7	1517.7	1505.6	1498.4	1505.6	1517.7	1517.7	1505.6	1421.3	1402.0	1414.1
50°	1438.2	1435.8	1418.9	1416.5	1418.9	1435.8	1438.2	1430.9	1341.8	1325.0	1325.0
52.5°	1346.6	1346.6	1349.0	1353.9	1349.0	1346.6	1346.6	1349.0	1269.5	1252.7	1247.9
55°	1267.1	1269.5	1286.4	1291.2	1286.4	1269.5	1267.1	1267.1	1194.9	1178.0	1168.4
57.5°	1185.2	1185.2	1197.3	1197.3	1197.3	1185.2	1185.2	1180.4	1110.5	1096.1	1091.3
60°	1091.3	1096.1	1105.7	1103.3	1105.7	1096.1	1091.3	1086.5	1026.2	1016.6	999.7
62.5°	992.5	997.3	999.7	994.9	999.7	997.3	992.5	978.1	941.9	934.7	913.0
65°	888.9	893.7	896.1	891.3	896.1	893.7	888.9	881.7	855.2	843.2	823.9
67.5°	782.9	780.5	778.1	787.7	778.1	780.5	782.9	773.3	756.4	746.8	720.3
70°	674.5	674.5	672.1	676.9	672.1	674.5	674.5	667.3	657.7	650.4	626.3
72.5°	558.9	556.5	566.1	558.9	566.1	556.5	558.9	556.5	551.7	544.4	520.3
75°	445.7	450.5	445.7	452.9	445.7	450.5	445.7	448.1	445.7	440.8	424.0
77.5°	339.7	344.5	339.7	339.7	339.7	344.5	339.7	342.1	342.1	342.1	327.6
80°	240.9	238.5	238.5	236.1	238.5	238.5	240.9	240.9	243.3	238.5	233.7
82.5°	154.2	151.8	151.8	156.6	151.8	151.8	154.2	156.6	151.8	151.8	151.8
85°	84.3	86.7	81.9	81.9	81.9	86.7	84.3	79.5	84.3	84.3	81.9
87.5°	31.3	28.9	28.9	28.9	28.9	28.9	31.3	33.7	33.7	33.7	36.1
90°	57.1	57.1	57.1	57.1	57.1	57.1	57.1	76.1	101.5	114.2	98.1
92.5°	285.5	274.1	228.7	183.3	228.7	274.1	285.5	404.6	563.5	643.0	564.6
95°	969.1	934.8	797.1	659.6	797.1	934.8	969.1	1272.7	1677.3	1879.7	1587.5
97.5°	2237.2	2171.8	1910.0	1648.2	1910.0	2171.8	2237.2	2429.1	2684.8	2812.7	2325.6
100°	3141.7	3063.8	2752.0	2440.1	2752.0	3063.8	3141.7	3127.7	3109.0	3099.7	2559.1
102.5°	3914.1	3847.3	3580.2	3313.0	3580.2	3847.3	3914.1	3669.6	3343.8	3180.8	2632.6
105°	4815.5	4779.6	4636.1	4492.5	4636.1	4779.6	4815.5	4267.6	3537.1	3171.8	2640.9
107.5°	5284.3	5293.0	5327.7	5362.4	5327.7	5293.0	5284.3	4520.0	3501.0	2991.5	2523.3
110°	5404.5	5441.9	5591.5	5741.1	5591.5	5441.9	5404.5	4550.1	3410.9	2841.3	2419.2



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	5327.9	5385.3	5615.1	5844.8	5615.1	5385.3	5327.9	4453.4	3287.5	2704.5	2328.2
115°	5068.0	5147.6	5466.1	5784.7	5466.1	5147.6	5068.0	4225.5	3102.4	2540.8	2223.9
117.5°	4708.9	4797.2	5150.4	5503.7	5150.4	4797.2	4708.9	3948.6	2934.9	2428.0	2158.5
120°	4466.9	4552.8	4896.0	5239.3	4896.0	4552.8	4466.9	3772.3	2846.1	2383.0	2136.5
122.5°	4225.1	4309.7	4648.3	4986.9	4648.3	4309.7	4225.1	3599.5	2765.5	2348.5	2125.1
125°	3905.0	3983.0	4294.8	4606.7	4294.8	3983.0	3905.0	3373.6	2665.2	2310.9	2115.6
127.5°	3648.1	3713.9	3977.0	4240.1	3977.0	3713.9	3648.1	3191.8	2583.5	2279.3	2110.0
130°	3485.8	3546.6	3789.7	4032.7	3789.7	3546.6	3485.8	3079.7	2538.0	2267.3	2113.3
132.5°	3347.6	3402.1	3619.7	3837.4	3619.7	3402.1	3347.6	2984.0	2499.2	2256.8	2115.5
135°	3152.3	3199.2	3386.8	3574.5	3386.8	3199.2	3152.3	2847.8	2441.8	2238.8	2113.6
137.5°	3008.0	3046.4	3200.0	3353.6	3200.0	3046.4	3008.0	2750.6	2407.3	2235.7	2126.5
140°	2892.3	2928.2	3071.8	3215.4	3071.8	2928.2	2892.3	2670.0	2373.4	2225.2	2128.7
142.5°	2811.2	2842.1	2965.6	3089.1	2965.6	2842.1	2811.2	2615.9	2355.4	2225.2	2136.4
145°	2689.5	2712.9	2806.4	2899.9	2806.4	2712.9	2689.5	2529.7	2316.7	2210.2	2136.4
147.5°	2587.3	2606.7	2684.2	2761.6	2684.2	2606.7	2587.3	2461.6	2294.0	2210.2	2151.1
150°	2528.7	2544.4	2607.2	2670.0	2607.2	2544.4	2528.7	2422.6	2281.0	2210.2	2158.8
152.5°	2482.2	2494.0	2541.4	2588.8	2541.4	2494.0	2482.2	2391.5	2270.6	2210.2	2163.8
155°	2426.6	2434.5	2465.8	2497.2	2465.8	2434.5	2426.6	2354.5	2258.3	2210.2	2174.8
157.5°	2378.5	2384.0	2406.0	2428.0	2406.0	2384.0	2378.5	2322.4	2247.6	2210.2	2185.8
160°	2354.4	2357.6	2370.3	2383.0	2370.3	2357.6	2354.4	2306.3	2242.2	2210.2	2190.8
162.5°	2331.9	2334.9	2346.9	2359.0	2346.9	2334.9	2331.9	2291.4	2237.2	2210.2	2196.1
165°	2297.3	2300.5	2313.2	2325.9	2313.2	2300.5	2297.3	2268.2	2229.5	2210.2	2203.8
167.5°	2282.3	2283.7	2289.0	2294.3	2289.0	2283.7	2282.3	2263.3	2237.9	2225.2	2219.9
170°	2282.3	2282.3	2282.3	2282.3	2282.3	2282.3	2282.3	2263.3	2237.9	2225.2	2224.9
172.5°	2270.3	2269.1	2264.5	2259.8	2264.5	2269.1	2270.3	2255.3	2235.2	2225.2	2225.2
175°	2253.8	2253.8	2253.8	2253.8	2253.8	2253.8	2253.8	2244.2	2231.5	2225.2	2228.2
177.5°	2250.7	2249.4	2244.1	2238.8	2244.1	2249.4	2250.7	2243.3	2233.2	2228.2	2230.6
180°	2238.8	2238.8	2238.8	2238.8	2238.8	2238.8	2238.8	2238.8	2238.8	2238.8	2238.8



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	2546.4	2546.4	2546.4	2546.4	2546.4
2.5°	2515.1	2527.1	2534.3	2544.0	2568.1
5°	2418.7	2464.5	2478.9	2515.1	2558.4
7.5°	2206.7	2346.4	2385.0	2471.7	2539.2
10°	2001.9	2141.7	2209.1	2413.9	2515.1
12.5°	1898.3	1980.2	2026.0	2312.7	2481.4
15°	1833.2	1891.1	1924.8	2177.8	2442.8
17.5°	1782.7	1823.6	1847.7	2045.2	2389.8
20°	1751.3	1770.6	1792.3	1948.9	2329.6
22.5°	1729.7	1717.6	1734.5	1881.4	2247.7
25°	1715.2	1669.4	1688.7	1828.4	2151.3
27.5°	1727.3	1626.1	1633.3	1780.3	2050.1
30°	1729.7	1573.1	1575.5	1729.7	1936.8
32.5°	1712.8	1517.7	1520.1	1667.0	1809.2
35°	1671.8	1452.6	1450.2	1594.8	1635.7
37.5°	1616.4	1382.8	1382.8	1515.3	1445.4
40°	1549.0	1312.9	1320.1	1411.7	1276.8
42.5°	1467.1	1238.2	1247.9	1274.4	1151.5
45°	1377.9	1166.0	1173.2	1076.8	1055.1
47.5°	1279.2	1091.3	1093.7	893.7	1023.8
50°	1161.1	1014.2	1004.6	766.1	1021.4
52.5°	1057.6	929.9	901.0	693.8	927.5
55°	956.4	840.7	778.1	638.4	860.0
57.5°	867.2	725.1	664.9	573.3	845.6
60°	785.3	611.9	566.1	503.5	775.7
62.5°	717.9	527.6	517.9	455.3	703.4
65°	645.6	469.8	467.3	414.3	597.4
67.5°	575.8	431.2	428.8	375.8	455.3
70°	501.1	390.3	385.4	334.9	337.3
72.5°	424.0	344.5	339.7	301.1	279.4
75°	346.9	291.5	289.1	262.6	226.4
77.5°	272.2	231.3	236.1	212.0	166.2
80°	195.1	168.6	173.4	151.8	125.3
82.5°	130.1	110.8	115.6	96.4	84.3
85°	72.3	62.6	65.0	50.6	38.5
87.5°	33.7	28.9	28.9	19.3	12.0
90°	66.1	42.1	39.1	27.1	15.0
92.5°	407.7	290.0	264.4	162.2	60.1
95°	1003.2	564.9	518.2	331.2	144.2
97.5°	1351.3	620.6	579.3	414.3	249.4
100°	1478.0	667.1	629.7	480.1	330.5
102.5°	1536.1	713.7	678.8	539.2	399.7
105°	1579.2	782.8	753.3	635.1	516.9
107.5°	1587.1	885.0	857.4	747.3	637.1
110°	1575.2	942.1	917.2	817.7	718.2



TEST NUMBER: P935949

CATALOG NUMBER: SQ4-FA-150U-075D-930-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1575.6	1011.2	987.5	892.7	797.9
115°	1590.2	1114.9	1093.0	1005.5	918.1
117.5°	1619.7	1215.5	1195.7	1116.2	1036.8
120°	1643.7	1274.1	1255.4	1180.7	1105.8
122.5°	1678.4	1343.3	1324.4	1248.9	1173.4
125°	1724.9	1431.9	1414.7	1345.9	1277.2
127.5°	1771.4	1517.5	1500.2	1430.7	1361.2
130°	1805.5	1574.6	1555.9	1481.1	1406.4
132.5°	1833.0	1621.2	1602.5	1527.7	1452.9
135°	1863.1	1675.3	1658.3	1590.1	1522.0
137.5°	1908.2	1744.4	1727.6	1660.1	1592.7
140°	1935.7	1791.0	1775.5	1713.4	1651.3
142.5°	1958.8	1825.5	1811.2	1753.8	1696.3
145°	1988.8	1878.1	1865.6	1815.6	1765.5
147.5°	2032.9	1944.2	1932.0	1883.3	1834.5
150°	2055.9	1978.8	1967.8	1923.7	1879.7
152.5°	2070.9	2001.3	1993.0	1959.6	1926.2
155°	2104.0	2050.9	2044.8	2020.1	1995.4
157.5°	2137.0	2100.5	2094.5	2070.5	2046.4
160°	2152.1	2123.1	2118.4	2099.7	2081.0
162.5°	2168.1	2147.1	2143.5	2129.6	2115.5
165°	2191.1	2181.7	2178.5	2165.8	2153.1
167.5°	2209.2	2201.2	2199.7	2193.7	2187.7
170°	2224.2	2223.7	2222.2	2216.2	2210.2
172.5°	2225.2	2225.2	2224.9	2223.5	2222.2
175°	2234.3	2238.8	2238.8	2238.8	2238.8
177.5°	2235.2	2238.8	2238.8	2238.8	2238.8
180°	2238.8	2238.8	2238.8	2238.8	2238.8



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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	9.94	10.66	11.05	11.76	13.27	12.79	13.51	13.90	14.61	16.12
	3H	10.41	11.05	11.52	12.16	13.69	14.13	14.77	15.25	15.88	17.41
	4H	10.59	11.20	11.71	12.31	13.85	14.58	15.18	15.70	16.29	17.83
	6H	10.70	11.26	11.83	12.37	13.92	14.86	15.42	15.99	16.53	18.08
	8H	10.70	11.23	11.83	12.36	13.90	14.93	15.46	16.07	16.59	18.13
	12H	10.67	11.17	11.80	12.29	13.86	14.97	15.47	16.11	16.59	18.16
4H	2H	10.96	11.57	12.09	12.68	14.22	13.18	13.79	14.31	14.90	16.44
	3H	11.98	12.48	13.11	13.62	15.17	14.68	15.19	15.82	16.32	17.87
	4H	12.25	12.71	13.38	13.83	15.41	15.21	15.67	16.35	16.80	18.37
	6H	12.36	12.76	13.51	13.91	15.47	15.57	15.97	16.72	17.12	18.68
	8H	12.36	12.74	13.51	13.87	15.45	15.68	16.05	16.82	17.19	18.77
	12H	12.32	12.66	13.48	13.81	15.39	15.73	16.07	16.89	17.22	18.80
8H	4H	12.69	13.06	13.83	14.20	15.78	15.32	15.69	16.46	16.83	18.41
	6H	12.95	13.25	14.11	14.43	16.01	15.76	16.06	16.92	17.24	18.82
	8H	12.99	13.25	14.16	14.41	16.01	15.91	16.18	17.08	17.34	18.93
	12H	12.96	13.20	14.14	14.36	15.99	16.01	16.24	17.18	17.40	19.03
12H	4H	12.69	13.03	13.85	14.18	15.76	15.28	15.62	16.44	16.77	18.35
	6H	13.01	13.27	14.18	14.43	16.03	15.75	16.02	16.92	17.18	18.78
	8H	13.07	13.30	14.24	14.46	16.09	15.91	16.15	17.08	17.30	18.93