

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: P935905

Luminaire Tested: SQ4-FA-150U-050D-B50-1D-UNV-STD-W-12

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935905
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-B50-1D-UNV-STD-W-12
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

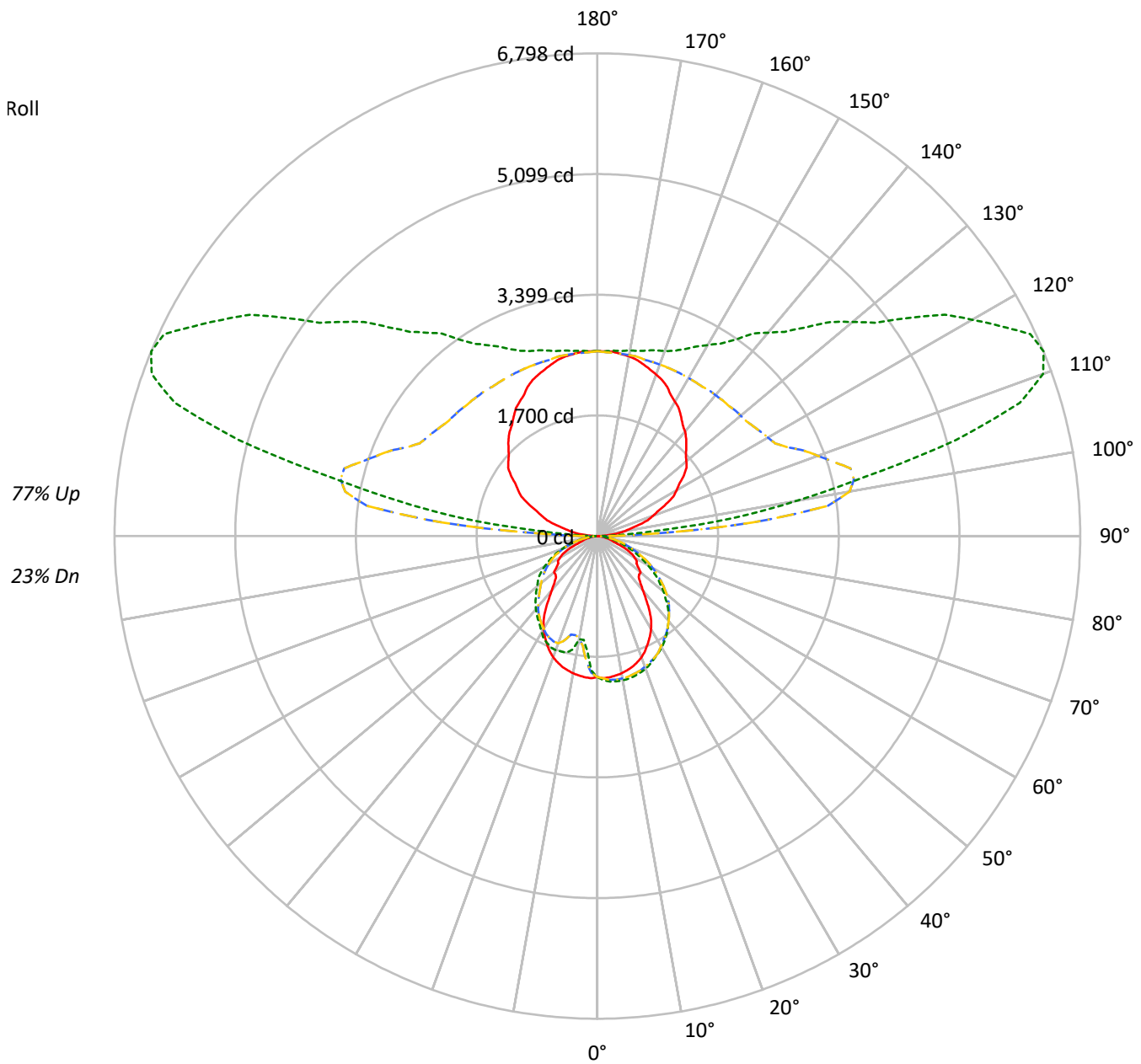
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22040.5 lumens
Efficiency: N/A
Efficacy: 132.1 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

TEST NUMBER: P935905
CATALOG NUMBER: SQ4-FA-150U-050D-B50-1D-UNV-STD-W-12

Luminous Intensity Polar Plot



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



TEST NUMBER: P935905

CATALOG NUMBER: SQ4-FA-150U-050D-B50-1D-UNV-STD-W-12

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	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°	6143	6143	6143	6143
5°	6192	6202	6192	4877
10°	6153	6109	6153	4368
15°	6088	5977	6088	4991
20°	5963	5820	5963	5001
25°	5705	5591	5705	4895
30°	5370	5401	5370	4663
35°	4790	5161	4790	4407
40°	3993	4878	3993	4214
45°	3570	4548	3570	3991
50°	3796	4153	3796	3768
55°	3575	3728	3575	3639
60°	3690	3166	3690	3333
65°	3351	2617	3351	2925
70°	2326	2086	2326	2452
75°	2047	1542	2047	1846
80°	1662	1019	1662	1110
85°	975	540	975	459

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 90°
 Luminance: 6495 cd/sqm



TEST NUMBER: P935905

CATALOG NUMBER: SQ4-FA-150U-050D-B50-1D-UNV-STD-W-12

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	179.3	0.8
10°-20°	509.1	2.3
20°-30°	786.9	3.6
30°-40°	939.4	4.3
40°-50°	944.9	4.3
50°-60°	822.2	3.7
60°-70°	583.0	2.6
70°-80°	308.4	1.4
80°-90°	86.8	0.4
90°-100°	1269.3	5.8
100°-110°	3337.1	15.1
110°-120°	3460.2	15.7
120°-130°	2775.5	12.6
130°-140°	2177.8	9.9
140°-150°	1671.5	7.6
150°-160°	1203.8	5.5
160°-170°	736.5	3.3
170°-180°	248.8	1.1
0°-30°	1475.3	6.7
0°-40°	2414.7	11.0
0°-60°	4181.9	19.0
0°-90°	5160.0	23.4
90°-120°	8066.6	36.6
90°-150°	14691.3	66.7
90°-180°	16880.0	76.6
0°-180°	22040.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1986	1986	1986	1986	1986	
5°	1996	2058	1996	1618	1996	189
15°	1906	2039	1906	1702	1906	536
25°	1678	1902	1678	1665	1678	771
35°	1276	1697	1276	1449	1276	789
45°	823	1398	823	1227	823	659
55°	671	1032	671	1007	671	616
65°	466	622	466	695	466	445
75°	177	295	177	353	177	186
85°	30	75	30	64	30	41
90°	18	66	18	66	18	16
95°	168	767	168	767	168	186
105°	601	5225	601	5225	601	637
115°	1068	6728	1068	6728	1068	1055
125°	1486	5358	1486	5358	1486	1319
135°	1770	4158	1770	4158	1770	1370
145°	2054	3373	2054	3373	2054	1286
155°	2321	2905	2321	2905	2321	1066
165°	2504	2705	2504	2705	2504	707
175°	2604	2622	2604	2622	2604	247
180°	2604	2604	2604	2604	2604	



TEST NUMBER: P935905

CATALOG NUMBER: SQ4-FA-150U-050D-B50-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1986.2	1986.2	1986.2	1986.2	1986.2	1986.2	1986.2	1986.2	1986.2	1986.2	1986.2
2.5°	2003.1	2003.1	2014.5	2018.2	2018.2	2012.6	2007.0	2012.6	2029.5	2035.1	2033.2
5°	1995.7	2010.7	2031.4	2035.1	2038.9	2037.1	2033.2	2037.1	2055.8	2059.6	2061.4
7.5°	1980.6	2008.8	2035.1	2040.8	2046.4	2040.8	2038.9	2042.7	2061.4	2065.2	2065.2
10°	1961.9	2001.3	2031.4	2035.1	2040.8	2035.1	2035.1	2042.7	2061.4	2065.2	2067.1
12.5°	1935.5	1990.1	2018.2	2022.0	2029.5	2027.6	2025.8	2033.2	2052.1	2055.8	2055.8
15°	1905.5	1969.3	1995.7	1999.4	2012.6	2008.8	2008.8	2016.3	2037.1	2042.7	2040.8
17.5°	1864.2	1943.1	1973.2	1978.8	1988.2	1986.2	1988.2	1995.7	2014.5	2018.2	2020.1
20°	1817.2	1907.3	1943.1	1948.7	1958.1	1958.1	1958.1	1967.5	1986.2	1993.8	1993.8
22.5°	1753.3	1869.8	1907.3	1911.2	1922.4	1922.4	1926.2	1939.3	1956.2	1958.1	1958.1
25°	1678.1	1828.4	1860.3	1871.6	1882.9	1888.5	1894.2	1901.7	1907.3	1905.5	1907.3
27.5°	1599.2	1775.8	1817.2	1824.7	1839.7	1845.3	1852.9	1854.7	1856.6	1862.2	1858.5
30°	1510.8	1702.5	1764.5	1772.1	1796.5	1800.3	1792.7	1796.5	1805.9	1809.6	1813.4
32.5°	1411.3	1593.5	1710.1	1727.0	1749.5	1738.3	1736.3	1742.0	1757.0	1757.0	1760.8
35°	1275.9	1509.0	1659.3	1674.4	1691.3	1678.1	1685.6	1687.5	1696.9	1702.5	1700.6
37.5°	1127.5	1435.7	1606.7	1618.0	1631.1	1614.2	1625.4	1631.1	1638.6	1634.9	1634.9
40°	995.9	1321.0	1544.6	1552.2	1563.4	1550.3	1561.6	1565.4	1569.1	1565.4	1563.4
42.5°	898.2	1195.1	1478.9	1488.3	1480.8	1490.2	1493.9	1501.5	1495.8	1488.3	1488.3
45°	823.0	1161.3	1407.5	1418.7	1407.5	1422.6	1428.2	1428.2	1411.3	1407.5	1405.6
47.5°	798.7	1093.7	1336.1	1336.1	1330.5	1349.3	1358.6	1345.5	1328.6	1322.9	1322.9
50°	796.8	1018.5	1238.4	1230.8	1257.2	1279.7	1270.3	1257.2	1244.0	1223.4	1223.4
52.5°	723.5	926.4	1112.5	1140.7	1182.0	1195.1	1180.1	1166.9	1144.4	1135.0	1127.5
55°	670.9	830.6	997.8	1054.2	1097.4	1114.4	1086.1	1073.0	1039.2	1033.6	1029.8
57.5°	659.6	691.5	892.6	964.0	1016.7	1014.8	997.8	973.4	945.2	939.6	937.7
60°	605.1	499.9	779.9	864.4	918.9	913.3	898.2	875.7	849.4	845.6	841.9
62.5°	548.7	362.7	652.0	747.9	824.9	823.0	810.0	776.1	757.3	747.9	740.4
65°	466.1	304.4	464.2	622.0	732.9	736.6	708.4	684.1	663.3	652.0	650.2
67.5°	355.2	248.1	313.8	518.7	644.6	640.8	605.1	593.8	567.5	561.9	550.6
70°	263.1	165.4	218.0	421.0	558.2	548.7	520.5	507.3	483.0	469.8	462.2
72.5°	218.0	133.4	159.7	327.0	469.8	458.5	434.1	419.1	398.4	387.1	379.6
75°	176.6	140.9	122.2	242.4	381.4	374.0	351.4	336.3	319.4	304.4	306.3
77.5°	129.6	131.5	97.7	178.5	302.5	291.3	278.1	259.4	251.8	236.8	236.8
80°	97.7	103.4	73.3	122.2	218.0	218.0	206.7	193.5	180.4	172.9	172.9
82.5°	65.8	65.8	54.5	77.1	148.4	142.8	135.3	131.5	124.0	120.3	120.3
85°	30.1	37.5	33.8	47.0	80.8	84.5	84.5	80.8	78.9	75.2	77.1
87.5°	9.4	16.9	20.6	26.3	41.4	43.2	45.1	45.1	45.1	47.0	47.0
90°	17.5	31.5	45.5	48.9	76.9	114.1	132.8	118.1	88.5	66.4	66.4
92.5°	69.9	188.7	307.6	337.3	474.2	656.7	747.9	655.5	470.6	332.0	318.9
95°	167.7	385.2	602.7	657.1	1166.8	1846.5	2186.3	1950.9	1480.3	1127.2	1087.3
97.5°	290.1	481.9	673.8	721.8	1571.7	2705.0	3271.5	3122.8	2825.4	2602.2	2526.1
100°	384.4	558.4	732.4	776.0	1719.1	2976.6	3605.3	3616.2	3637.9	3654.3	3563.6
102.5°	464.9	627.2	789.5	830.1	1786.6	3062.0	3699.8	3889.3	4268.3	4552.6	4474.9
105°	601.2	738.7	876.2	910.6	1836.8	3071.7	3689.2	4114.1	4963.8	5601.1	5559.4
107.5°	741.0	869.2	997.3	1029.4	1846.1	2935.0	3479.5	4072.1	5257.4	6146.4	6156.5
110°	835.4	951.1	1066.8	1095.8	1832.1	2813.9	3304.8	3967.4	5292.4	6286.2	6329.7



TEST NUMBER: P935905

CATALOG NUMBER: SQ4-FA-150U-050D-B50-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	928.0	1038.3	1148.6	1176.2	1832.7	2708.0	3145.7	3823.8	5180.0	6197.1	6263.9
115°	1067.8	1169.6	1271.4	1296.8	1849.6	2586.7	2955.3	3608.5	4914.9	5894.8	5987.4
117.5°	1205.9	1298.3	1390.7	1413.8	1883.9	2510.7	2824.1	3413.7	4592.8	5477.1	5579.8
120°	1286.2	1373.3	1460.2	1482.0	1911.9	2485.1	2771.7	3310.4	4387.7	5195.7	5295.5
122.5°	1364.9	1452.7	1540.4	1562.4	1952.2	2471.7	2731.6	3216.6	4186.7	4914.3	5012.8
125°	1485.5	1565.5	1645.5	1665.5	2006.3	2460.7	2687.9	3099.9	3924.0	4542.0	4632.7
127.5°	1583.3	1664.1	1744.9	1765.1	2060.4	2454.3	2651.2	3005.0	3712.6	4243.3	4319.8
130°	1635.8	1722.8	1809.7	1831.5	2100.0	2458.1	2637.1	2952.1	3582.1	4054.5	4125.2
132.5°	1690.0	1776.9	1863.9	1885.7	2132.0	2460.6	2624.9	2906.9	3470.8	3893.8	3957.1
135°	1770.3	1849.5	1928.8	1948.6	2167.1	2458.4	2604.0	2840.1	3312.3	3666.5	3721.1
137.5°	1852.5	1931.0	2009.4	2029.0	2219.5	2473.4	2600.4	2800.0	3199.3	3498.8	3543.4
140°	1920.7	1992.9	2065.2	2083.2	2251.5	2475.9	2588.2	2760.6	3105.6	3364.2	3405.9
142.5°	1973.1	2039.9	2106.6	2123.4	2278.3	2484.9	2588.2	2739.7	3042.6	3269.8	3305.8
145°	2053.5	2111.8	2170.0	2184.5	2313.2	2484.9	2570.7	2694.6	2942.4	3128.2	3155.4
147.5°	2133.8	2190.5	2247.2	2261.4	2364.5	2502.0	2570.7	2668.3	2863.2	3009.4	3032.0
150°	2186.3	2237.6	2288.9	2301.7	2391.3	2511.0	2570.7	2653.1	2817.8	2941.3	2959.5
152.5°	2240.5	2279.3	2318.1	2327.8	2408.8	2516.8	2570.7	2641.1	2781.6	2887.1	2900.9
155°	2320.9	2349.7	2378.3	2385.5	2447.3	2529.6	2570.7	2626.7	2738.6	2822.5	2831.6
157.5°	2380.3	2408.2	2436.2	2443.2	2485.7	2542.3	2570.7	2614.3	2701.2	2766.5	2773.0
160°	2420.5	2442.2	2464.0	2469.4	2503.2	2548.2	2570.7	2608.0	2682.5	2738.5	2742.2
162.5°	2460.6	2477.0	2493.2	2497.3	2521.8	2554.4	2570.7	2602.2	2665.2	2712.3	2715.8
165°	2504.3	2519.1	2533.8	2537.6	2548.6	2563.4	2570.7	2593.3	2638.3	2672.1	2675.8
167.5°	2544.6	2551.6	2558.5	2560.3	2569.6	2582.0	2588.2	2603.0	2632.5	2654.6	2656.2
170°	2570.7	2577.7	2584.8	2586.5	2587.1	2587.8	2588.2	2603.0	2632.5	2654.6	2654.6
172.5°	2584.8	2586.2	2587.8	2588.2	2588.2	2588.2	2588.2	2599.9	2623.2	2640.7	2639.3
175°	2604.0	2604.0	2604.0	2604.0	2598.8	2591.8	2588.2	2595.6	2610.3	2621.5	2621.5
177.5°	2604.0	2604.0	2604.0	2604.0	2599.9	2594.5	2591.8	2597.5	2609.2	2617.9	2616.3
180°	2604.0	2604.0	2604.0	2604.0	2604.0	2604.0	2604.0	2604.0	2604.0	2604.0	2604.0



TEST NUMBER: P935905

CATALOG NUMBER: SQ4-FA-150U-050D-B50-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1986.2	1986.2	1986.2	1986.2	1986.2	1986.2	1986.2	1986.2	1986.2	1986.2	1986.2
2.5°	2037.1	2031.4	2037.1	2033.2	2035.1	2029.5	2012.6	2007.0	2012.6	2018.2	2018.2
5°	2061.4	2057.7	2061.4	2061.4	2059.6	2055.8	2037.1	2033.2	2037.1	2038.9	2035.1
7.5°	2069.0	2063.3	2069.0	2065.2	2065.2	2061.4	2042.7	2038.9	2040.8	2046.4	2040.8
10°	2069.0	2063.3	2069.0	2067.1	2065.2	2061.4	2042.7	2035.1	2035.1	2040.8	2035.1
12.5°	2059.6	2055.8	2059.6	2055.8	2055.8	2052.1	2033.2	2025.8	2027.6	2029.5	2022.0
15°	2044.5	2038.9	2044.5	2040.8	2042.7	2037.1	2016.3	2008.8	2008.8	2012.6	1999.4
17.5°	2022.0	2014.5	2022.0	2020.1	2018.2	2014.5	1995.7	1988.2	1986.2	1988.2	1978.8
20°	1995.7	1990.1	1995.7	1993.8	1993.8	1986.2	1967.5	1958.1	1958.1	1958.1	1948.7
22.5°	1954.3	1948.7	1954.3	1958.1	1958.1	1956.2	1939.3	1926.2	1922.4	1922.4	1911.2
25°	1907.3	1901.7	1907.3	1907.3	1905.5	1907.3	1901.7	1894.2	1888.5	1882.9	1871.6
27.5°	1862.2	1858.5	1862.2	1858.5	1862.2	1856.6	1854.7	1852.9	1845.3	1839.7	1824.7
30°	1817.2	1813.4	1817.2	1813.4	1809.6	1805.9	1796.5	1792.7	1800.3	1796.5	1772.1
32.5°	1760.8	1757.0	1760.8	1760.8	1757.0	1757.0	1742.0	1736.3	1738.3	1749.5	1727.0
35°	1702.5	1696.9	1702.5	1700.6	1702.5	1696.9	1687.5	1685.6	1678.1	1691.3	1674.4
37.5°	1634.9	1629.3	1634.9	1634.9	1634.9	1638.6	1631.1	1625.4	1614.2	1631.1	1618.0
40°	1565.4	1557.8	1565.4	1563.4	1565.4	1569.1	1565.4	1561.6	1550.3	1563.4	1552.2
42.5°	1486.5	1484.5	1486.5	1488.3	1488.3	1495.8	1501.5	1493.9	1490.2	1480.8	1488.3
45°	1401.8	1398.1	1401.8	1405.6	1407.5	1411.3	1428.2	1428.2	1422.6	1407.5	1418.7
47.5°	1311.6	1302.3	1311.6	1322.9	1322.9	1328.6	1345.5	1358.6	1349.3	1330.5	1336.1
50°	1215.8	1217.7	1215.8	1223.4	1223.4	1244.0	1257.2	1270.3	1279.7	1257.2	1230.8
52.5°	1121.8	1120.0	1121.8	1127.5	1135.0	1144.4	1166.9	1180.1	1195.1	1182.0	1140.7
55°	1027.9	1031.7	1027.9	1029.8	1033.6	1039.2	1073.0	1086.1	1114.4	1097.4	1054.2
57.5°	933.9	928.3	933.9	937.7	939.6	945.2	973.4	997.8	1014.8	1016.7	964.0
60°	824.9	817.4	824.9	841.9	845.6	849.4	875.7	898.2	913.3	918.9	864.4
62.5°	729.1	716.0	729.1	740.4	747.9	757.3	776.1	810.0	823.0	824.9	747.9
65°	627.6	622.0	627.6	650.2	652.0	663.3	684.1	708.4	736.6	732.9	622.0
67.5°	535.6	535.6	535.6	550.6	561.9	567.5	593.8	605.1	640.8	644.6	518.7
70°	451.0	449.2	451.0	462.2	469.8	483.0	507.3	520.5	548.7	558.2	421.0
72.5°	370.2	368.3	370.2	379.6	387.1	398.4	419.1	434.1	458.5	469.8	327.0
75°	298.8	295.1	298.8	306.3	304.4	319.4	336.3	351.4	374.0	381.4	242.4
77.5°	229.3	229.3	229.3	236.8	236.8	251.8	259.4	278.1	291.3	302.5	178.5
80°	171.0	169.1	171.0	172.9	172.9	180.4	193.5	206.7	218.0	218.0	122.2
82.5°	120.3	116.5	120.3	120.3	120.3	124.0	131.5	135.3	142.8	148.4	77.1
85°	75.2	75.2	75.2	77.1	75.2	78.9	80.8	84.5	84.5	80.8	47.0
87.5°	48.8	47.0	48.8	47.0	47.0	45.1	45.1	45.1	43.2	41.4	26.3
90°	66.4	66.4	66.4	66.4	66.4	88.5	118.1	132.8	114.1	76.9	48.9
92.5°	266.0	213.2	266.0	318.9	332.0	470.6	655.5	747.9	656.7	474.2	337.3
95°	927.2	767.2	927.2	1087.3	1127.2	1480.3	1950.9	2186.3	1846.5	1166.8	657.1
97.5°	2221.6	1917.1	2221.6	2526.1	2602.2	2825.4	3122.8	3271.5	2705.0	1571.7	721.8
100°	3200.9	2838.1	3200.9	3563.6	3654.3	3637.9	3616.2	3605.3	2976.6	1719.1	776.0
102.5°	4164.2	3853.5	4164.2	4474.9	4552.6	4268.3	3889.3	3699.8	3062.0	1786.6	830.1
105°	5392.4	5225.4	5392.4	5559.4	5601.1	4963.8	4114.1	3689.2	3071.7	1836.8	910.6
107.5°	6196.9	6237.3	6196.9	6156.5	6146.4	5257.4	4072.1	3479.5	2935.0	1846.1	1029.4
110°	6503.7	6677.7	6503.7	6329.7	6286.2	5292.4	3967.4	3304.8	2813.9	1832.1	1095.8



TEST NUMBER: P935905

CATALOG NUMBER: SQ4-FA-150U-050D-B50-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	6531.1	6798.3	6531.1	6263.9	6197.1	5180.0	3823.8	3145.7	2708.0	1832.7	1176.2
115°	6357.8	6728.3	6357.8	5987.4	5894.8	4914.9	3608.5	2955.3	2586.7	1849.6	1296.8
117.5°	5990.7	6401.5	5990.7	5579.8	5477.1	4592.8	3413.7	2824.1	2510.7	1883.9	1413.8
120°	5694.7	6094.0	5694.7	5295.5	5195.7	4387.7	3310.4	2771.7	2485.1	1911.9	1482.0
122.5°	5406.6	5800.4	5406.6	5012.8	4914.3	4186.7	3216.6	2731.6	2471.7	1952.2	1562.4
125°	4995.5	5358.3	4995.5	4632.7	4542.0	3924.0	3099.9	2687.9	2460.7	2006.3	1665.5
127.5°	4625.8	4931.8	4625.8	4319.8	4243.3	3712.6	3005.0	2651.2	2454.3	2060.4	1765.1
130°	4407.9	4690.6	4407.9	4125.2	4054.5	3582.1	2952.1	2637.1	2458.1	2100.0	1831.5
132.5°	4210.2	4463.4	4210.2	3957.1	3893.8	3470.8	2906.9	2624.9	2460.6	2132.0	1885.7
135°	3939.3	4157.6	3939.3	3721.1	3666.5	3312.3	2840.1	2604.0	2458.4	2167.1	1948.6
137.5°	3722.1	3900.7	3722.1	3543.4	3498.8	3199.3	2800.0	2600.4	2473.4	2219.5	2029.0
140°	3572.9	3739.9	3572.9	3405.9	3364.2	3105.6	2760.6	2588.2	2475.9	2251.5	2083.2
142.5°	3449.4	3593.1	3449.4	3305.8	3269.8	3042.6	2739.7	2588.2	2484.9	2278.3	2123.4
145°	3264.2	3373.0	3264.2	3155.4	3128.2	2942.4	2694.6	2570.7	2484.9	2313.2	2184.5
147.5°	3122.1	3212.1	3122.1	3032.0	3009.4	2863.2	2668.3	2570.7	2502.0	2364.5	2261.4
150°	3032.5	3105.6	3032.5	2959.5	2941.3	2817.8	2653.1	2570.7	2511.0	2391.3	2301.7
152.5°	2956.0	3011.1	2956.0	2900.9	2887.1	2781.6	2641.1	2570.7	2516.8	2408.8	2327.8
155°	2868.0	2904.6	2868.0	2831.6	2822.5	2738.6	2626.7	2570.7	2529.6	2447.3	2385.5
157.5°	2798.5	2824.1	2798.5	2773.0	2766.5	2701.2	2614.3	2570.7	2542.3	2485.7	2443.2
160°	2757.0	2771.7	2757.0	2742.2	2738.5	2682.5	2608.0	2570.7	2548.2	2503.2	2469.4
162.5°	2729.8	2743.8	2729.8	2715.8	2712.3	2665.2	2602.2	2570.7	2554.4	2521.8	2497.3
165°	2690.6	2705.3	2690.6	2675.8	2672.1	2638.3	2593.3	2570.7	2563.4	2548.6	2537.6
167.5°	2662.4	2668.6	2662.4	2656.2	2654.6	2632.5	2603.0	2588.2	2582.0	2569.6	2560.3
170°	2654.6	2654.6	2654.6	2654.6	2654.6	2632.5	2603.0	2588.2	2587.8	2587.1	2586.5
172.5°	2633.9	2628.5	2633.9	2639.3	2640.7	2623.2	2599.9	2588.2	2588.2	2588.2	2588.2
175°	2621.5	2621.5	2621.5	2621.5	2621.5	2610.3	2595.6	2588.2	2591.8	2598.8	2604.0
177.5°	2610.2	2604.0	2610.2	2616.3	2617.9	2609.2	2597.5	2591.8	2594.5	2599.9	2604.0
180°	2604.0	2604.0	2604.0	2604.0	2604.0	2604.0	2604.0	2604.0	2604.0	2604.0	2604.0



TEST NUMBER: P935905

CATALOG NUMBER: SQ4-FA-150U-050D-B50-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1986.2	1986.2	1986.2	1986.2	1986.2	1986.2	1986.2	1986.2	1986.2	1986.2	1986.2
2.5°	2014.5	2003.1	2003.1	1984.4	1976.9	1971.2	1961.9	1933.7	1926.2	1918.6	1929.9
5°	2031.4	2010.7	1995.7	1961.9	1933.7	1922.4	1886.7	1819.1	1773.9	1740.1	1721.4
7.5°	2035.1	2008.8	1980.6	1928.1	1860.3	1830.3	1721.4	1597.3	1563.4	1533.4	1514.6
10°	2031.4	2001.3	1961.9	1882.9	1723.2	1670.6	1561.6	1480.8	1460.1	1454.5	1460.1
12.5°	2018.2	1990.1	1935.5	1804.0	1580.4	1544.6	1480.8	1433.8	1430.0	1439.5	1490.2
15°	1995.7	1969.3	1905.5	1698.8	1501.5	1475.2	1430.0	1413.1	1433.8	1499.5	1651.8
17.5°	1973.2	1943.1	1864.2	1595.5	1441.3	1422.6	1390.5	1424.4	1540.9	1629.3	1680.0
20°	1943.1	1907.3	1817.2	1520.3	1398.1	1381.2	1366.2	1518.4	1606.7	1638.6	1666.8
22.5°	1907.3	1869.8	1753.3	1467.6	1353.0	1339.8	1349.3	1571.0	1606.7	1629.3	1653.6
25°	1860.3	1828.4	1678.1	1426.3	1317.3	1302.3	1338.0	1565.4	1586.0	1591.6	1640.5
27.5°	1817.2	1775.8	1599.2	1388.7	1274.1	1268.5	1347.4	1540.9	1556.0	1561.6	1614.2
30°	1764.5	1702.5	1510.8	1349.3	1229.0	1227.1	1349.3	1510.8	1507.1	1522.1	1574.7
32.5°	1710.1	1593.5	1411.3	1300.4	1185.7	1183.8	1336.1	1465.7	1462.0	1482.6	1522.1
35°	1659.3	1509.0	1275.9	1244.0	1131.3	1133.1	1304.1	1413.1	1415.0	1433.8	1458.3
37.5°	1606.7	1435.7	1127.5	1182.0	1078.7	1078.7	1260.9	1364.3	1360.6	1366.2	1400.0
40°	1544.6	1321.0	995.9	1101.2	1029.8	1024.1	1208.3	1311.6	1298.5	1296.7	1343.6
42.5°	1478.9	1195.1	898.2	994.1	973.4	965.8	1144.4	1247.7	1223.4	1229.0	1289.1
45°	1407.5	1161.3	823.0	839.9	915.1	909.5	1074.8	1174.5	1157.6	1172.6	1234.7
47.5°	1336.1	1093.7	798.7	697.1	853.1	851.2	997.8	1103.1	1093.7	1108.8	1174.5
50°	1238.4	1018.5	796.8	597.6	783.6	791.1	905.8	1033.6	1033.6	1046.7	1116.2
52.5°	1112.5	926.4	723.5	541.2	702.8	725.3	824.9	973.4	977.2	990.3	1052.3
55°	997.8	830.6	670.9	498.0	607.0	655.9	746.0	911.4	918.9	932.0	988.5
57.5°	892.6	691.5	659.6	447.2	518.7	565.6	676.5	851.2	855.0	866.3	920.8
60°	779.9	499.9	605.1	392.7	441.6	477.3	612.6	779.9	793.0	800.5	847.5
62.5°	652.0	362.7	548.7	355.2	404.0	411.5	560.0	712.2	729.1	734.8	763.0
65°	464.2	304.4	466.1	323.3	364.5	366.4	503.6	642.7	657.7	667.1	687.8
67.5°	313.8	248.1	355.2	293.2	334.5	336.3	449.2	561.9	582.5	590.1	603.2
70°	218.0	165.4	263.1	261.2	300.7	304.4	390.9	488.6	507.3	513.0	520.5
72.5°	159.7	133.4	218.0	234.9	265.0	268.7	330.7	405.9	424.7	430.3	434.1
75°	122.2	140.9	176.6	204.8	225.5	227.3	270.6	330.7	343.9	347.6	349.5
77.5°	97.7	131.5	129.6	165.4	184.2	180.4	212.4	255.5	266.8	266.8	266.8
80°	73.3	103.4	97.7	118.4	135.3	131.5	152.2	182.3	186.1	189.8	187.9
82.5°	54.5	65.8	65.8	75.2	90.2	86.5	101.4	118.4	118.4	118.4	122.2
85°	33.8	37.5	30.1	39.5	50.7	48.8	56.4	63.9	65.8	65.8	62.0
87.5°	20.6	16.9	9.4	15.0	22.5	22.5	26.3	28.2	26.3	26.3	26.3
90°	45.5	31.5	17.5	31.5	45.5	48.9	76.9	114.1	132.8	118.1	88.5
92.5°	307.6	188.7	69.9	188.7	307.6	337.3	474.2	656.7	747.9	655.5	470.6
95°	602.7	385.2	167.7	385.2	602.7	657.1	1166.8	1846.5	2186.3	1950.9	1480.3
97.5°	673.8	481.9	290.1	481.9	673.8	721.8	1571.7	2705.0	3271.5	3122.8	2825.4
100°	732.4	558.4	384.4	558.4	732.4	776.0	1719.1	2976.6	3605.3	3616.2	3637.9
102.5°	789.5	627.2	464.9	627.2	789.5	830.1	1786.6	3062.0	3699.8	3889.3	4268.3
105°	876.2	738.7	601.2	738.7	876.2	910.6	1836.8	3071.7	3689.2	4114.1	4963.8
107.5°	997.3	869.2	741.0	869.2	997.3	1029.4	1846.1	2935.0	3479.5	4072.1	5257.4
110°	1066.8	951.1	835.4	951.1	1066.8	1095.8	1832.1	2813.9	3304.8	3967.4	5292.4



TEST NUMBER: P935905

CATALOG NUMBER: SQ4-FA-150U-050D-B50-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	1148.6	1038.3	928.0	1038.3	1148.6	1176.2	1832.7	2708.0	3145.7	3823.8	5180.0
115°	1271.4	1169.6	1067.8	1169.6	1271.4	1296.8	1849.6	2586.7	2955.3	3608.5	4914.9
117.5°	1390.7	1298.3	1205.9	1298.3	1390.7	1413.8	1883.9	2510.7	2824.1	3413.7	4592.8
120°	1460.2	1373.3	1286.2	1373.3	1460.2	1482.0	1911.9	2485.1	2771.7	3310.4	4387.7
122.5°	1540.4	1452.7	1364.9	1452.7	1540.4	1562.4	1952.2	2471.7	2731.6	3216.6	4186.7
125°	1645.5	1565.5	1485.5	1565.5	1645.5	1665.5	2006.3	2460.7	2687.9	3099.9	3924.0
127.5°	1744.9	1664.1	1583.3	1664.1	1744.9	1765.1	2060.4	2454.3	2651.2	3005.0	3712.6
130°	1809.7	1722.8	1635.8	1722.8	1809.7	1831.5	2100.0	2458.1	2637.1	2952.1	3582.1
132.5°	1863.9	1776.9	1690.0	1776.9	1863.9	1885.7	2132.0	2460.6	2624.9	2906.9	3470.8
135°	1928.8	1849.5	1770.3	1849.5	1928.8	1948.6	2167.1	2458.4	2604.0	2840.1	3312.3
137.5°	2009.4	1931.0	1852.5	1931.0	2009.4	2029.0	2219.5	2473.4	2600.4	2800.0	3199.3
140°	2065.2	1992.9	1920.7	1992.9	2065.2	2083.2	2251.5	2475.9	2588.2	2760.6	3105.6
142.5°	2106.6	2039.9	1973.1	2039.9	2106.6	2123.4	2278.3	2484.9	2588.2	2739.7	3042.6
145°	2170.0	2111.8	2053.5	2111.8	2170.0	2184.5	2313.2	2484.9	2570.7	2694.6	2942.4
147.5°	2247.2	2190.5	2133.8	2190.5	2247.2	2261.4	2364.5	2502.0	2570.7	2668.3	2863.2
150°	2288.9	2237.6	2186.3	2237.6	2288.9	2301.7	2391.3	2511.0	2570.7	2653.1	2817.8
152.5°	2318.1	2279.3	2240.5	2279.3	2318.1	2327.8	2408.8	2516.8	2570.7	2641.1	2781.6
155°	2378.3	2349.7	2320.9	2349.7	2378.3	2385.5	2447.3	2529.6	2570.7	2626.7	2738.6
157.5°	2436.2	2408.2	2380.3	2408.2	2436.2	2443.2	2485.7	2542.3	2570.7	2614.3	2701.2
160°	2464.0	2442.2	2420.5	2442.2	2464.0	2469.4	2503.2	2548.2	2570.7	2608.0	2682.5
162.5°	2493.2	2477.0	2460.6	2477.0	2493.2	2497.3	2521.8	2554.4	2570.7	2602.2	2665.2
165°	2533.8	2519.1	2504.3	2519.1	2533.8	2537.6	2548.6	2563.4	2570.7	2593.3	2638.3
167.5°	2558.5	2551.6	2544.6	2551.6	2558.5	2560.3	2569.6	2582.0	2588.2	2603.0	2632.5
170°	2584.8	2577.7	2570.7	2577.7	2584.8	2586.5	2587.1	2587.8	2588.2	2603.0	2632.5
172.5°	2587.8	2586.2	2584.8	2586.2	2587.8	2588.2	2588.2	2588.2	2588.2	2599.9	2623.2
175°	2604.0	2604.0	2604.0	2604.0	2604.0	2604.0	2598.8	2591.8	2588.2	2595.6	2610.3
177.5°	2604.0	2604.0	2604.0	2604.0	2604.0	2604.0	2599.9	2594.5	2591.8	2597.5	2609.2
180°	2604.0	2604.0	2604.0	2604.0	2604.0	2604.0	2604.0	2604.0	2604.0	2604.0	2604.0



TEST NUMBER: P935905

CATALOG NUMBER: SQ4-FA-150U-050D-B50-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1986.2	1986.2	1986.2	1986.2	1986.2	1986.2	1986.2	1986.2	1986.2	1986.2	1986.2
2.5°	1916.8	1911.2	1918.6	1898.0	1918.6	1911.2	1916.8	1929.9	1918.6	1926.2	1933.7
5°	1681.9	1672.4	1642.4	1618.0	1642.4	1672.4	1681.9	1721.4	1740.1	1773.9	1819.1
7.5°	1503.4	1495.8	1488.3	1473.3	1488.3	1495.8	1503.4	1514.6	1533.4	1563.4	1597.3
10°	1463.9	1465.7	1477.0	1475.2	1477.0	1465.7	1463.9	1460.1	1454.5	1460.1	1480.8
12.5°	1565.4	1582.3	1644.3	1640.5	1644.3	1582.3	1565.4	1490.2	1439.5	1430.0	1433.8
15°	1681.9	1687.5	1700.6	1702.5	1700.6	1687.5	1681.9	1651.8	1499.5	1433.8	1413.1
17.5°	1693.2	1695.0	1704.4	1704.4	1704.4	1695.0	1693.2	1680.0	1629.3	1540.9	1424.4
20°	1683.7	1687.5	1706.3	1710.1	1706.3	1687.5	1683.7	1666.8	1638.6	1606.7	1518.4
22.5°	1680.0	1687.5	1702.5	1700.6	1702.5	1687.5	1680.0	1653.6	1629.3	1606.7	1571.0
25°	1661.2	1661.2	1663.1	1664.9	1663.1	1661.2	1661.2	1640.5	1591.6	1586.0	1565.4
27.5°	1621.7	1625.4	1636.7	1634.9	1636.7	1625.4	1621.7	1614.2	1561.6	1556.0	1540.9
30°	1586.0	1582.3	1572.9	1565.4	1572.9	1582.3	1586.0	1574.7	1522.1	1507.1	1510.8
32.5°	1525.9	1516.4	1507.1	1501.5	1507.1	1516.4	1525.9	1522.1	1482.6	1462.0	1465.7
35°	1454.5	1456.4	1454.5	1448.8	1454.5	1456.4	1454.5	1458.3	1433.8	1415.0	1413.1
37.5°	1403.7	1407.5	1405.6	1398.1	1405.6	1407.5	1403.7	1400.0	1366.2	1360.6	1364.3
40°	1351.1	1353.0	1351.1	1345.5	1351.1	1353.0	1351.1	1343.6	1296.7	1298.5	1311.6
42.5°	1300.4	1298.5	1292.8	1289.1	1292.8	1298.5	1300.4	1289.1	1229.0	1223.4	1247.7
45°	1242.1	1244.0	1232.7	1227.1	1232.7	1244.0	1242.1	1234.7	1172.6	1157.6	1174.5
47.5°	1183.8	1183.8	1174.5	1168.8	1174.5	1183.8	1183.8	1174.5	1108.8	1093.7	1103.1
50°	1121.8	1120.0	1106.8	1104.9	1106.8	1120.0	1121.8	1116.2	1046.7	1033.6	1033.6
52.5°	1050.5	1050.5	1052.3	1056.1	1052.3	1050.5	1050.5	1052.3	990.3	977.2	973.4
55°	988.5	990.3	1003.5	1007.2	1003.5	990.3	988.5	988.5	932.0	918.9	911.4
57.5°	924.6	924.6	933.9	933.9	933.9	924.6	924.6	920.8	866.3	855.0	851.2
60°	851.2	855.0	862.5	860.7	862.5	855.0	851.2	847.5	800.5	793.0	779.9
62.5°	774.2	778.0	779.9	776.1	779.9	778.0	774.2	763.0	734.8	729.1	712.2
65°	693.4	697.1	699.0	695.3	699.0	697.1	693.4	687.8	667.1	657.7	642.7
67.5°	610.7	608.9	607.0	614.5	607.0	608.9	610.7	603.2	590.1	582.5	561.9
70°	526.1	526.1	524.3	528.1	524.3	526.1	526.1	520.5	513.0	507.3	488.6
72.5°	436.0	434.1	441.6	436.0	441.6	434.1	436.0	434.1	430.3	424.7	405.9
75°	347.6	351.4	347.6	353.2	347.6	351.4	347.6	349.5	347.6	343.9	330.7
77.5°	265.0	268.7	265.0	265.0	265.0	268.7	265.0	266.8	266.8	266.8	255.5
80°	187.9	186.1	186.1	184.2	186.1	186.1	187.9	187.9	189.8	186.1	182.3
82.5°	120.3	118.4	118.4	122.2	118.4	118.4	120.3	122.2	118.4	118.4	118.4
85°	65.8	67.6	63.9	63.9	63.9	67.6	65.8	62.0	65.8	65.8	63.9
87.5°	24.5	22.5	22.5	22.5	22.5	22.5	24.5	26.3	26.3	26.3	28.2
90°	66.4	66.4	66.4	66.4	66.4	66.4	66.4	88.5	118.1	132.8	114.1
92.5°	332.0	318.9	266.0	213.2	266.0	318.9	332.0	470.6	655.5	747.9	656.7
95°	1127.2	1087.3	927.2	767.2	927.2	1087.3	1127.2	1480.3	1950.9	2186.3	1846.5
97.5°	2602.2	2526.1	2221.6	1917.1	2221.6	2526.1	2602.2	2825.4	3122.8	3271.5	2705.0
100°	3654.3	3563.6	3200.9	2838.1	3200.9	3563.6	3654.3	3637.9	3616.2	3605.3	2976.6
102.5°	4552.6	4474.9	4164.2	3853.5	4164.2	4474.9	4552.6	4268.3	3889.3	3699.8	3062.0
105°	5601.1	5559.4	5392.4	5225.4	5392.4	5559.4	5601.1	4963.8	4114.1	3689.2	3071.7
107.5°	6146.4	6156.5	6196.9	6237.3	6196.9	6156.5	6146.4	5257.4	4072.1	3479.5	2935.0
110°	6286.2	6329.7	6503.7	6677.7	6503.7	6329.7	6286.2	5292.4	3967.4	3304.8	2813.9



TEST NUMBER: P935905

CATALOG NUMBER: SQ4-FA-150U-050D-B50-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	6197.1	6263.9	6531.1	6798.3	6531.1	6263.9	6197.1	5180.0	3823.8	3145.7	2708.0
115°	5894.8	5987.4	6357.8	6728.3	6357.8	5987.4	5894.8	4914.9	3608.5	2955.3	2586.7
117.5°	5477.1	5579.8	5990.7	6401.5	5990.7	5579.8	5477.1	4592.8	3413.7	2824.1	2510.7
120°	5195.7	5295.5	5694.7	6094.0	5694.7	5295.5	5195.7	4387.7	3310.4	2771.7	2485.1
122.5°	4914.3	5012.8	5406.6	5800.4	5406.6	5012.8	4914.3	4186.7	3216.6	2731.6	2471.7
125°	4542.0	4632.7	4995.5	5358.3	4995.5	4632.7	4542.0	3924.0	3099.9	2687.9	2460.7
127.5°	4243.3	4319.8	4625.8	4931.8	4625.8	4319.8	4243.3	3712.6	3005.0	2651.2	2454.3
130°	4054.5	4125.2	4407.9	4690.6	4407.9	4125.2	4054.5	3582.1	2952.1	2637.1	2458.1
132.5°	3893.8	3957.1	4210.2	4463.4	4210.2	3957.1	3893.8	3470.8	2906.9	2624.9	2460.6
135°	3666.5	3721.1	3939.3	4157.6	3939.3	3721.1	3666.5	3312.3	2840.1	2604.0	2458.4
137.5°	3498.8	3543.4	3722.1	3900.7	3722.1	3543.4	3498.8	3199.3	2800.0	2600.4	2473.4
140°	3364.2	3405.9	3572.9	3739.9	3572.9	3405.9	3364.2	3105.6	2760.6	2588.2	2475.9
142.5°	3269.8	3305.8	3449.4	3593.1	3449.4	3305.8	3269.8	3042.6	2739.7	2588.2	2484.9
145°	3128.2	3155.4	3264.2	3373.0	3264.2	3155.4	3128.2	2942.4	2694.6	2570.7	2484.9
147.5°	3009.4	3032.0	3122.1	3212.1	3122.1	3032.0	3009.4	2863.2	2668.3	2570.7	2502.0
150°	2941.3	2959.5	3032.5	3105.6	3032.5	2959.5	2941.3	2817.8	2653.1	2570.7	2511.0
152.5°	2887.1	2900.9	2956.0	3011.1	2956.0	2900.9	2887.1	2781.6	2641.1	2570.7	2516.8
155°	2822.5	2831.6	2868.0	2904.6	2868.0	2831.6	2822.5	2738.6	2626.7	2570.7	2529.6
157.5°	2766.5	2773.0	2798.5	2824.1	2798.5	2773.0	2766.5	2701.2	2614.3	2570.7	2542.3
160°	2738.5	2742.2	2757.0	2771.7	2757.0	2742.2	2738.5	2682.5	2608.0	2570.7	2548.2
162.5°	2712.3	2715.8	2729.8	2743.8	2729.8	2715.8	2712.3	2665.2	2602.2	2570.7	2554.4
165°	2672.1	2675.8	2690.6	2705.3	2690.6	2675.8	2672.1	2638.3	2593.3	2570.7	2563.4
167.5°	2654.6	2656.2	2662.4	2668.6	2662.4	2656.2	2654.6	2632.5	2603.0	2588.2	2582.0
170°	2654.6	2654.6	2654.6	2654.6	2654.6	2654.6	2654.6	2632.5	2603.0	2588.2	2587.8
172.5°	2640.7	2639.3	2633.9	2628.5	2633.9	2639.3	2640.7	2623.2	2599.9	2588.2	2588.2
175°	2621.5	2621.5	2621.5	2621.5	2621.5	2621.5	2621.5	2610.3	2595.6	2588.2	2591.8
177.5°	2617.9	2616.3	2610.2	2604.0	2610.2	2616.3	2617.9	2609.2	2597.5	2591.8	2594.5
180°	2604.0	2604.0	2604.0	2604.0	2604.0	2604.0	2604.0	2604.0	2604.0	2604.0	2604.0



TEST NUMBER: P935905

CATALOG NUMBER: SQ4-FA-150U-050D-B50-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1986.2	1986.2	1986.2	1986.2	1986.2
2.5°	1961.9	1971.2	1976.9	1984.4	2003.1
5°	1886.7	1922.4	1933.7	1961.9	1995.7
7.5°	1721.4	1830.3	1860.3	1928.1	1980.6
10°	1561.6	1670.6	1723.2	1882.9	1961.9
12.5°	1480.8	1544.6	1580.4	1804.0	1935.5
15°	1430.0	1475.2	1501.5	1698.8	1905.5
17.5°	1390.5	1422.6	1441.3	1595.5	1864.2
20°	1366.2	1381.2	1398.1	1520.3	1817.2
22.5°	1349.3	1339.8	1353.0	1467.6	1753.3
25°	1338.0	1302.3	1317.3	1426.3	1678.1
27.5°	1347.4	1268.5	1274.1	1388.7	1599.2
30°	1349.3	1227.1	1229.0	1349.3	1510.8
32.5°	1336.1	1183.8	1185.7	1300.4	1411.3
35°	1304.1	1133.1	1131.3	1244.0	1275.9
37.5°	1260.9	1078.7	1078.7	1182.0	1127.5
40°	1208.3	1024.1	1029.8	1101.2	995.9
42.5°	1144.4	965.8	973.4	994.1	898.2
45°	1074.8	909.5	915.1	839.9	823.0
47.5°	997.8	851.2	853.1	697.1	798.7
50°	905.8	791.1	783.6	597.6	796.8
52.5°	824.9	725.3	702.8	541.2	723.5
55°	746.0	655.9	607.0	498.0	670.9
57.5°	676.5	565.6	518.7	447.2	659.6
60°	612.6	477.3	441.6	392.7	605.1
62.5°	560.0	411.5	404.0	355.2	548.7
65°	503.6	366.4	364.5	323.3	466.1
67.5°	449.2	336.3	334.5	293.2	355.2
70°	390.9	304.4	300.7	261.2	263.1
72.5°	330.7	268.7	265.0	234.9	218.0
75°	270.6	227.3	225.5	204.8	176.6
77.5°	212.4	180.4	184.2	165.4	129.6
80°	152.2	131.5	135.3	118.4	97.7
82.5°	101.4	86.5	90.2	75.2	65.8
85°	56.4	48.8	50.7	39.5	30.1
87.5°	26.3	22.5	22.5	15.0	9.4
90°	76.9	48.9	45.5	31.5	17.5
92.5°	474.2	337.3	307.6	188.7	69.9
95°	1166.8	657.1	602.7	385.2	167.7
97.5°	1571.7	721.8	673.8	481.9	290.1
100°	1719.1	776.0	732.4	558.4	384.4
102.5°	1786.6	830.1	789.5	627.2	464.9
105°	1836.8	910.6	876.2	738.7	601.2
107.5°	1846.1	1029.4	997.3	869.2	741.0
110°	1832.1	1095.8	1066.8	951.1	835.4



TEST NUMBER: P935905

CATALOG NUMBER: SQ4-FA-150U-050D-B50-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1832.7	1176.2	1148.6	1038.3	928.0
115°	1849.6	1296.8	1271.4	1169.6	1067.8
117.5°	1883.9	1413.8	1390.7	1298.3	1205.9
120°	1911.9	1482.0	1460.2	1373.3	1286.2
122.5°	1952.2	1562.4	1540.4	1452.7	1364.9
125°	2006.3	1665.5	1645.5	1565.5	1485.5
127.5°	2060.4	1765.1	1744.9	1664.1	1583.3
130°	2100.0	1831.5	1809.7	1722.8	1635.8
132.5°	2132.0	1885.7	1863.9	1776.9	1690.0
135°	2167.1	1948.6	1928.8	1849.5	1770.3
137.5°	2219.5	2029.0	2009.4	1931.0	1852.5
140°	2251.5	2083.2	2065.2	1992.9	1920.7
142.5°	2278.3	2123.4	2106.6	2039.9	1973.1
145°	2313.2	2184.5	2170.0	2111.8	2053.5
147.5°	2364.5	2261.4	2247.2	2190.5	2133.8
150°	2391.3	2301.7	2288.9	2237.6	2186.3
152.5°	2408.8	2327.8	2318.1	2279.3	2240.5
155°	2447.3	2385.5	2378.3	2349.7	2320.9
157.5°	2485.7	2443.2	2436.2	2408.2	2380.3
160°	2503.2	2469.4	2464.0	2442.2	2420.5
162.5°	2521.8	2497.3	2493.2	2477.0	2460.6
165°	2548.6	2537.6	2533.8	2519.1	2504.3
167.5°	2569.6	2560.3	2558.5	2551.6	2544.6
170°	2587.1	2586.5	2584.8	2577.7	2570.7
172.5°	2588.2	2588.2	2587.8	2586.2	2584.8
175°	2598.8	2604.0	2604.0	2604.0	2604.0
177.5°	2599.9	2604.0	2604.0	2604.0	2604.0
180°	2604.0	2604.0	2604.0	2604.0	2604.0



TEST NUMBER: P935905
 CATALOG NUMBER: SQ4-FA-150U-050D-B50-1D-UNV-STD-W-12

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	7.91	8.57	9.07	9.72	11.32	10.76	11.43	11.92	12.57	14.17
	3H	8.37	8.97	9.54	10.12	11.74	12.10	12.69	13.26	13.84	15.46
	4H	8.55	9.12	9.73	10.27	11.89	12.54	13.10	13.71	14.25	15.88
	6H	8.66	9.18	9.84	10.33	11.97	12.82	13.34	14.00	14.49	16.13
	8H	8.66	9.15	9.84	10.32	11.95	12.89	13.38	14.07	14.55	16.18
	12H	8.62	9.09	9.81	10.25	11.90	12.92	13.39	14.11	14.55	16.21
4H	2H	8.92	9.49	10.10	10.64	12.26	11.14	11.71	12.32	12.86	14.49
	3H	9.93	10.40	11.12	11.58	13.22	12.64	13.11	13.82	14.29	15.92
	4H	10.20	10.63	11.38	11.80	13.45	13.16	13.60	14.35	14.76	16.42
	6H	10.31	10.68	11.50	11.87	13.52	13.52	13.89	14.71	15.08	16.73
	8H	10.31	10.66	11.50	11.84	13.50	13.63	13.97	14.82	15.15	16.81
	12H	10.27	10.58	11.48	11.77	13.44	13.68	13.99	14.88	15.18	16.85
8H	4H	10.64	10.99	11.83	12.16	13.83	13.27	13.62	14.46	14.79	16.46
	6H	10.89	11.18	12.10	12.40	14.06	13.70	13.99	14.91	15.21	16.87
	8H	10.93	11.18	12.15	12.38	14.06	13.86	14.11	15.07	15.30	16.98
	12H	10.91	11.13	12.13	12.32	14.03	13.95	14.17	15.17	15.36	17.08
12H	4H	10.64	10.95	11.84	12.14	13.81	13.22	13.54	14.43	14.73	16.40
	6H	10.95	11.20	12.17	12.40	14.08	13.70	13.95	14.91	15.15	16.83
	8H	11.01	11.23	12.23	12.42	14.13	13.85	14.07	15.07	15.27	16.98