

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: P935877

Luminaire Tested: SQ4-FA-150U-050D-B2750-1D-UNV-STD-W-12-2700K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935877
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-B2750-1D-UNV-STD-W-12-2700K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

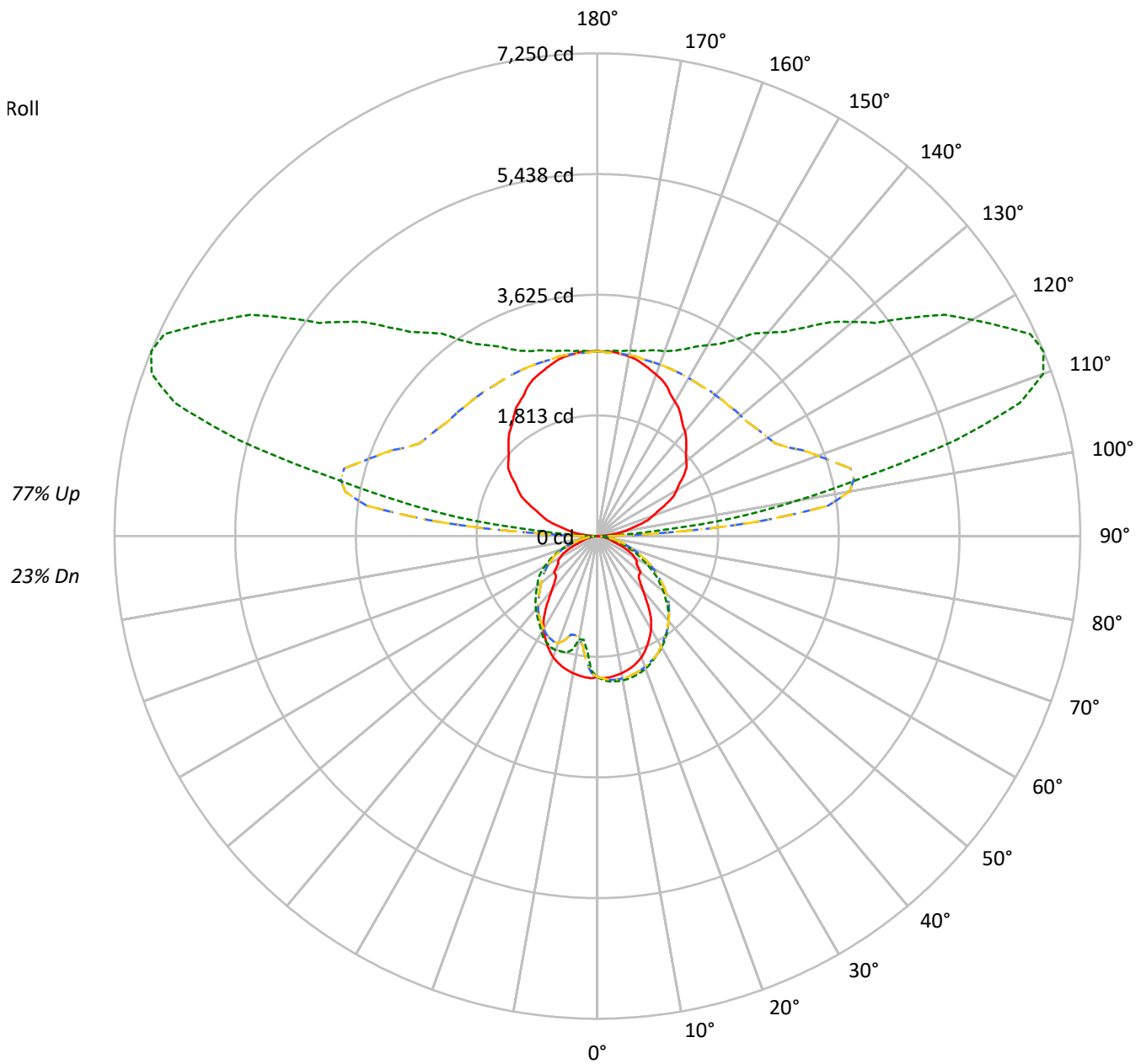
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23503.6 lumens
Efficiency: N/A
Efficacy: 140.9 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	
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	0
RCR																		
0	101	101	101	101	90	90	90	90	69	69	69	49	49	49	32	32	32	23
1	92	88	84	81	81	78	75	72	60	58	56	43	42	41	28	27	27	20
2	84	77	71	66	74	68	63	59	52	49	46	38	36	34	25	24	23	17
3	76	67	60	55	67	60	54	49	46	42	39	34	31	29	22	20	19	14
4	70	59	52	46	62	53	47	42	41	37	33	30	27	25	19	18	16	12
5	64	53	45	39	56	47	40	36	36	32	28	27	24	21	17	16	14	10
6	59	47	39	34	52	42	35	31	33	28	24	24	21	18	16	14	12	9
7	54	42	35	29	48	38	31	27	30	25	21	22	19	16	14	12	11	8
8	50	38	31	26	44	34	28	23	27	22	19	20	17	14	13	11	10	7
9	46	35	28	23	41	31	25	21	24	20	17	18	15	13	12	10	9	6
10	43	32	25	20	38	28	22	18	22	18	15	17	14	11	11	9	8	6

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	6551	6551	6551	6551
5°	6603	6614	6603	5200
10°	6561	6515	6561	4658
15°	6492	6374	6492	5322
20°	6359	6206	6359	5333
25°	6084	5962	6084	5220
30°	5727	5760	5727	4972
35°	5108	5504	5108	4699
40°	4258	5202	4258	4493
45°	3808	4849	3808	4256
50°	4049	4428	4049	4019
55°	3813	3975	3813	3881
60°	3935	3376	3935	3555
65°	3574	2791	3574	3119
70°	2481	2224	2481	2615
75°	2182	1644	2182	1969
80°	1772	1087	1772	1184
85°	1040	576	1040	489

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 90°
 Luminance: 6904 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	191.2	0.8
10°-20°	542.9	2.3
20°-30°	839.2	3.6
30°-40°	1001.8	4.3
40°-50°	1007.7	4.3
50°-60°	876.8	3.7
60°-70°	621.7	2.6
70°-80°	328.9	1.4
80°-90°	92.5	0.4
90°-100°	1353.6	5.8
100°-110°	3558.6	15.1
110°-120°	3689.9	15.7
120°-130°	2959.7	12.6
130°-140°	2322.3	9.9
140°-150°	1782.5	7.6
150°-160°	1283.7	5.5
160°-170°	785.4	3.3
170°-180°	265.4	1.1
0°-30°	1573.2	6.7
0°-40°	2575.0	11.0
0°-60°	4459.5	19.0
0°-90°	5502.6	23.4
90°-120°	8602.0	36.6
90°-150°	15666.6	66.7
90°-180°	18001.0	76.6
0°-180°	23503.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2118	2118	2118	2118	2118	
5°	2128	2194	2128	1725	2128	202
15°	2032	2174	2032	1816	2032	572
25°	1790	2028	1790	1776	1790	822
35°	1361	1810	1361	1545	1361	842
45°	878	1491	878	1308	878	703
55°	715	1100	715	1074	715	657
65°	497	663	497	741	497	475
75°	188	315	188	377	188	198
85°	32	80	32	68	32	43
90°	19	71	19	71	19	17
95°	179	818	179	818	179	199
105°	641	5572	641	5572	641	680
115°	1139	7175	1139	7175	1139	1125
125°	1584	5714	1584	5714	1584	1406
135°	1888	4434	1888	4434	1888	1461
145°	2190	3597	2190	3597	2190	1372
155°	2475	3097	2475	3097	2475	1137
165°	2671	2885	2671	2885	2671	754
175°	2777	2796	2777	2796	2777	264
180°	2777	2777	2777	2777	2777	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2118.1	2118.1	2118.1	2118.1	2118.1	2118.1	2118.1	2118.1	2118.1	2118.1	2118.1
2.5°	2136.1	2136.1	2148.2	2152.2	2152.2	2146.2	2140.2	2146.2	2164.2	2170.2	2168.2
5°	2128.2	2144.2	2166.2	2170.2	2174.3	2172.3	2168.2	2172.3	2192.3	2196.3	2198.3
7.5°	2112.1	2142.2	2170.2	2176.3	2182.2	2176.3	2174.3	2178.3	2198.3	2202.3	2202.3
10°	2092.1	2134.1	2166.2	2170.2	2176.3	2170.2	2170.2	2178.3	2198.3	2202.3	2204.3
12.5°	2064.0	2122.2	2152.2	2156.2	2164.2	2162.2	2160.2	2168.2	2188.3	2192.3	2192.3
15°	2031.9	2100.1	2128.2	2132.1	2146.2	2142.2	2142.2	2150.2	2172.3	2178.3	2176.3
17.5°	1987.9	2072.1	2104.1	2110.1	2120.2	2118.1	2120.2	2128.2	2148.2	2152.2	2154.2
20°	1937.8	2033.9	2072.1	2078.1	2088.1	2088.1	2088.1	2098.1	2118.1	2126.2	2126.2
22.5°	1869.7	1993.9	2033.9	2038.0	2050.0	2050.0	2054.1	2068.0	2086.0	2088.1	2088.1
25°	1789.5	1949.8	1983.8	1995.9	2007.9	2013.9	2020.0	2028.0	2033.9	2031.9	2033.9
27.5°	1705.4	1893.7	1937.8	1945.8	1961.8	1967.8	1975.9	1977.9	1979.8	1985.8	1981.8
30°	1611.1	1815.5	1881.6	1889.7	1915.7	1919.8	1911.7	1915.7	1925.8	1929.8	1933.7
32.5°	1505.0	1699.3	1823.6	1841.6	1865.6	1853.7	1851.6	1857.6	1873.7	1873.7	1877.7
35°	1360.6	1609.1	1769.5	1785.5	1803.6	1789.5	1797.5	1799.5	1809.5	1815.5	1813.5
37.5°	1202.4	1531.0	1713.3	1725.4	1739.4	1721.4	1733.3	1739.4	1747.4	1743.4	1743.4
40°	1062.0	1408.7	1647.2	1655.3	1667.2	1653.3	1665.2	1669.3	1673.3	1669.3	1667.2
42.5°	957.9	1274.5	1577.1	1587.1	1579.1	1589.1	1593.1	1601.2	1595.1	1587.1	1587.1
45°	877.7	1238.4	1501.0	1512.9	1501.0	1517.0	1523.0	1523.0	1505.0	1501.0	1498.9
47.5°	851.7	1166.3	1424.8	1424.8	1418.8	1438.8	1448.8	1434.8	1416.8	1410.7	1410.7
50°	849.7	1086.1	1320.6	1312.5	1340.6	1364.6	1354.7	1340.6	1326.6	1304.6	1304.6
52.5°	771.5	987.9	1186.3	1216.4	1260.4	1274.5	1258.4	1244.4	1220.4	1210.3	1202.4
55°	715.4	885.7	1064.0	1124.2	1170.3	1188.3	1158.2	1144.2	1108.1	1102.2	1098.2
57.5°	703.4	737.4	951.9	1028.0	1084.1	1082.2	1064.0	1038.0	1008.0	1002.0	1000.0
60°	645.3	533.1	831.7	921.8	979.9	973.9	957.9	933.8	905.8	901.8	897.8
62.5°	585.2	386.7	695.3	797.6	879.7	877.7	863.7	827.6	807.6	797.6	789.5
65°	497.0	324.6	495.0	663.3	781.6	785.5	755.5	729.5	707.4	695.3	693.3
67.5°	378.8	264.5	334.7	553.1	687.3	683.4	645.3	633.3	605.2	599.2	587.1
70°	280.6	176.4	232.5	448.9	595.2	585.2	555.1	541.0	515.0	501.0	492.9
72.5°	232.5	142.2	170.3	348.7	501.0	488.9	462.9	446.9	424.8	412.8	404.8
75°	188.3	150.3	130.3	258.5	406.8	398.8	374.7	358.7	340.6	324.6	326.6
77.5°	138.2	140.2	104.2	190.3	322.6	310.7	296.6	276.6	268.5	252.5	252.5
80°	104.2	110.3	78.2	130.3	232.5	232.5	220.4	206.4	192.3	184.4	184.4
82.5°	70.1	70.1	58.1	82.2	158.3	152.3	144.3	140.2	132.3	128.3	128.3
85°	32.1	40.0	36.1	50.1	86.2	90.1	90.1	86.2	84.2	80.2	82.2
87.5°	10.1	18.0	22.0	28.1	44.1	46.1	48.1	48.1	48.1	50.1	50.1
90°	18.6	33.6	48.5	52.2	82.0	121.7	141.6	125.9	94.4	70.8	70.8
92.5°	74.5	201.2	328.0	359.7	505.7	700.3	797.6	699.0	501.9	354.1	340.0
95°	178.9	410.8	642.7	700.7	1244.3	1969.1	2331.4	2080.4	1578.6	1202.1	1159.4
97.5°	309.4	513.9	718.5	769.7	1676.1	2884.5	3488.7	3330.1	3012.9	2775.0	2693.8
100°	410.0	595.5	781.1	827.5	1833.2	3174.2	3844.7	3856.2	3879.4	3896.8	3800.1
102.5°	495.7	668.8	841.9	885.2	1905.2	3265.3	3945.4	4147.4	4551.6	4854.8	4771.9
105°	641.1	787.7	934.3	971.0	1958.7	3275.6	3934.1	4387.2	5293.3	5972.9	5928.4
107.5°	790.2	926.9	1063.5	1097.7	1968.6	3129.8	3710.5	4342.5	5606.4	6554.4	6565.1
110°	890.8	1014.2	1137.6	1168.5	1953.8	3000.6	3524.1	4230.7	5643.7	6703.5	6749.9



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	989.6	1107.3	1224.9	1254.3	1954.4	2887.8	3354.5	4077.6	5523.8	6608.5	6679.7
115°	1138.7	1247.2	1355.8	1382.8	1972.4	2758.4	3151.4	3848.0	5241.2	6286.1	6384.9
117.5°	1285.9	1384.4	1483.0	1507.6	2008.9	2677.3	3011.6	3640.3	4897.6	5840.6	5950.2
120°	1371.6	1464.4	1557.1	1580.4	2038.8	2650.1	2955.7	3530.1	4678.9	5540.5	5647.0
122.5°	1455.5	1549.1	1642.7	1666.1	2081.7	2635.8	2912.9	3430.1	4464.7	5240.6	5345.5
125°	1584.1	1669.4	1754.8	1776.1	2139.5	2624.1	2866.3	3305.7	4184.5	4843.5	4940.3
127.5°	1688.4	1774.6	1860.7	1882.2	2197.2	2617.2	2827.1	3204.4	3959.0	4524.9	4606.5
130°	1744.4	1837.1	1929.8	1953.1	2239.4	2621.3	2812.2	3148.1	3819.9	4323.6	4399.0
132.5°	1802.2	1894.9	1987.6	2010.8	2273.6	2624.0	2799.2	3099.9	3701.2	4152.2	4219.8
135°	1887.8	1972.3	2056.8	2078.0	2310.9	2621.6	2776.8	3028.6	3532.2	3909.9	3968.1
137.5°	1975.5	2059.1	2142.8	2163.7	2366.8	2637.6	2773.1	2985.9	3411.7	3731.0	3778.6
140°	2048.2	2125.2	2202.3	2221.5	2401.0	2640.3	2760.0	2943.9	3311.7	3587.5	3632.0
142.5°	2104.0	2175.3	2246.5	2264.3	2429.5	2649.9	2760.0	2921.6	3244.6	3486.9	3525.2
145°	2189.8	2252.0	2314.0	2329.5	2466.8	2649.9	2741.4	2873.5	3137.7	3335.9	3364.9
147.5°	2275.5	2335.9	2396.4	2411.5	2521.5	2668.1	2741.4	2845.4	3053.2	3209.2	3233.2
150°	2331.4	2386.1	2440.8	2454.4	2550.1	2677.6	2741.4	2829.2	3004.8	3136.5	3155.9
152.5°	2389.2	2430.6	2472.0	2482.3	2568.7	2683.8	2741.4	2816.4	2966.3	3078.7	3093.5
155°	2475.0	2505.6	2536.2	2543.9	2609.7	2697.5	2741.4	2801.1	2920.4	3009.8	3019.6
157.5°	2538.3	2568.1	2597.9	2605.3	2650.7	2711.1	2741.4	2787.8	2880.5	2950.2	2957.0
160°	2581.1	2604.3	2627.5	2633.3	2669.4	2717.4	2741.4	2781.1	2860.6	2920.3	2924.3
162.5°	2624.0	2641.4	2658.7	2663.1	2689.2	2724.0	2741.4	2775.0	2842.1	2892.4	2896.1
165°	2670.6	2686.3	2702.0	2706.0	2717.8	2733.5	2741.4	2765.4	2813.4	2849.5	2853.4
167.5°	2713.5	2721.0	2728.3	2730.2	2740.2	2753.4	2760.0	2775.8	2807.2	2830.8	2832.5
170°	2741.4	2748.9	2756.3	2758.2	2758.8	2759.6	2760.0	2775.8	2807.2	2830.8	2830.8
172.5°	2756.3	2757.9	2759.6	2760.0	2760.0	2760.0	2760.0	2772.5	2797.4	2816.0	2814.5
175°	2776.8	2776.8	2776.8	2776.8	2771.3	2763.8	2760.0	2767.9	2783.6	2795.5	2795.5
177.5°	2776.8	2776.8	2776.8	2776.8	2772.5	2766.7	2763.8	2770.0	2782.4	2791.7	2790.0
180°	2776.8	2776.8	2776.8	2776.8	2776.8	2776.8	2776.8	2776.8	2776.8	2776.8	2776.8



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2118.1	2118.1	2118.1	2118.1	2118.1	2118.1	2118.1	2118.1	2118.1	2118.1	2118.1
2.5°	2172.3	2166.2	2172.3	2168.2	2170.2	2164.2	2146.2	2140.2	2146.2	2152.2	2152.2
5°	2198.3	2194.3	2198.3	2198.3	2196.3	2192.3	2172.3	2168.2	2172.3	2174.3	2170.2
7.5°	2206.3	2200.3	2206.3	2202.3	2202.3	2198.3	2178.3	2174.3	2176.3	2182.2	2176.3
10°	2206.3	2200.3	2206.3	2204.3	2202.3	2198.3	2178.3	2170.2	2170.2	2176.3	2170.2
12.5°	2196.3	2192.3	2196.3	2192.3	2192.3	2188.3	2168.2	2160.2	2162.2	2164.2	2156.2
15°	2180.2	2174.3	2180.2	2176.3	2178.3	2172.3	2150.2	2142.2	2142.2	2146.2	2132.1
17.5°	2156.2	2148.2	2156.2	2154.2	2152.2	2148.2	2128.2	2120.2	2118.1	2120.2	2110.1
20°	2128.2	2122.2	2128.2	2126.2	2126.2	2118.1	2098.1	2088.1	2088.1	2088.1	2078.1
22.5°	2084.0	2078.1	2084.0	2088.1	2088.1	2086.0	2068.0	2054.1	2050.0	2050.0	2038.0
25°	2033.9	2028.0	2033.9	2033.9	2031.9	2033.9	2028.0	2020.0	2013.9	2007.9	1995.9
27.5°	1985.8	1981.8	1985.8	1981.8	1985.8	1979.8	1977.9	1975.9	1967.8	1961.8	1945.8
30°	1937.8	1933.7	1937.8	1933.7	1929.8	1925.8	1915.7	1911.7	1919.8	1915.7	1889.7
32.5°	1877.7	1873.7	1877.7	1877.7	1873.7	1873.7	1857.6	1851.6	1853.7	1865.6	1841.6
35°	1815.5	1809.5	1815.5	1813.5	1815.5	1809.5	1799.5	1797.5	1789.5	1803.6	1785.5
37.5°	1743.4	1737.4	1743.4	1743.4	1743.4	1747.4	1739.4	1733.3	1721.4	1739.4	1725.4
40°	1669.3	1661.2	1669.3	1667.2	1669.3	1673.3	1669.3	1665.2	1653.3	1667.2	1655.3
42.5°	1585.1	1583.0	1585.1	1587.1	1587.1	1595.1	1601.2	1593.1	1589.1	1579.1	1587.1
45°	1494.9	1490.9	1494.9	1498.9	1501.0	1505.0	1523.0	1523.0	1517.0	1501.0	1512.9
47.5°	1398.7	1388.7	1398.7	1410.7	1410.7	1416.8	1434.8	1448.8	1438.8	1418.8	1424.8
50°	1296.5	1298.5	1296.5	1304.6	1304.6	1326.6	1340.6	1354.7	1364.6	1340.6	1312.5
52.5°	1196.3	1194.3	1196.3	1202.4	1210.3	1220.4	1244.4	1258.4	1274.5	1260.4	1216.4
55°	1096.1	1100.2	1096.1	1098.2	1102.2	1108.1	1144.2	1158.2	1188.3	1170.3	1124.2
57.5°	995.9	989.9	995.9	1000.0	1002.0	1008.0	1038.0	1064.0	1082.2	1084.1	1028.0
60°	879.7	871.7	879.7	897.8	901.8	905.8	933.8	957.9	973.9	979.9	921.8
62.5°	777.5	763.5	777.5	789.5	797.6	807.6	827.6	863.7	877.7	879.7	797.6
65°	669.3	663.3	669.3	693.3	695.3	707.4	729.5	755.5	785.5	781.6	663.3
67.5°	571.1	571.1	571.1	587.1	599.2	605.2	633.3	645.3	683.4	687.3	553.1
70°	481.0	479.0	481.0	492.9	501.0	515.0	541.0	555.1	585.2	595.2	448.9
72.5°	394.8	392.7	394.8	404.8	412.8	424.8	446.9	462.9	488.9	501.0	348.7
75°	318.6	314.6	318.6	326.6	324.6	340.6	358.7	374.7	398.8	406.8	258.5
77.5°	244.5	244.5	244.5	252.5	252.5	268.5	276.6	296.6	310.7	322.6	190.3
80°	182.4	180.4	182.4	184.4	184.4	192.3	206.4	220.4	232.5	232.5	130.3
82.5°	128.3	124.2	128.3	128.3	128.3	132.3	140.2	144.3	152.3	158.3	82.2
85°	80.2	80.2	80.2	82.2	80.2	84.2	86.2	90.1	90.1	86.2	50.1
87.5°	52.1	50.1	52.1	50.1	50.1	48.1	48.1	48.1	46.1	44.1	28.1
90°	70.8	70.8	70.8	70.8	70.8	94.4	125.9	141.6	121.7	82.0	52.2
92.5°	283.7	227.4	283.7	340.0	354.1	501.9	699.0	797.6	700.3	505.7	359.7
95°	988.7	818.1	988.7	1159.4	1202.1	1578.6	2080.4	2331.4	1969.1	1244.3	700.7
97.5°	2369.1	2044.4	2369.1	2693.8	2775.0	3012.9	3330.1	3488.7	2884.5	1676.1	769.7
100°	3413.4	3026.5	3413.4	3800.1	3896.8	3879.4	3856.2	3844.7	3174.2	1833.2	827.5
102.5°	4440.7	4109.3	4440.7	4771.9	4854.8	4551.6	4147.4	3945.4	3265.3	1905.2	885.2
105°	5750.4	5572.3	5750.4	5928.4	5972.9	5293.3	4387.2	3934.1	3275.6	1958.7	971.0
107.5°	6608.3	6651.3	6608.3	6565.1	6554.4	5606.4	4342.5	3710.5	3129.8	1968.6	1097.7
110°	6935.4	7121.0	6935.4	6749.9	6703.5	5643.7	4230.7	3524.1	3000.6	1953.8	1168.5



TEST NUMBER: P935877

CATALOG NUMBER: SQ4-FA-150U-050D-B2750-1D-UNV-STD-W-12-2700K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	6964.6	7249.6	6964.6	6679.7	6608.5	5523.8	4077.6	3354.5	2887.8	1954.4	1254.3
115°	6779.9	7175.0	6779.9	6384.9	6286.1	5241.2	3848.0	3151.4	2758.4	1972.4	1382.8
117.5°	6388.3	6826.5	6388.3	5950.2	5840.6	4897.6	3640.3	3011.6	2677.3	2008.9	1507.6
120°	6072.7	6498.5	6072.7	5647.0	5540.5	4678.9	3530.1	2955.7	2650.1	2038.8	1580.4
122.5°	5765.5	6185.5	5765.5	5345.5	5240.6	4464.7	3430.1	2912.9	2635.8	2081.7	1666.1
125°	5327.1	5714.0	5327.1	4940.3	4843.5	4184.5	3305.7	2866.3	2624.1	2139.5	1776.1
127.5°	4932.9	5259.2	4932.9	4606.5	4524.9	3959.0	3204.4	2827.1	2617.2	2197.2	1882.2
130°	4700.5	5002.0	4700.5	4399.0	4323.6	3819.9	3148.1	2812.2	2621.3	2239.4	1953.1
132.5°	4489.7	4759.7	4489.7	4219.8	4152.2	3701.2	3099.9	2799.2	2624.0	2273.6	2010.8
135°	4200.8	4433.6	4200.8	3968.1	3909.9	3532.2	3028.6	2776.8	2621.6	2310.9	2078.0
137.5°	3969.2	4159.6	3969.2	3778.6	3731.0	3411.7	2985.9	2773.1	2637.6	2366.8	2163.7
140°	3810.1	3988.2	3810.1	3632.0	3587.5	3311.7	2943.9	2760.0	2640.3	2401.0	2221.5
142.5°	3678.4	3831.6	3678.4	3525.2	3486.9	3244.6	2921.6	2760.0	2649.9	2429.5	2264.3
145°	3480.9	3596.9	3480.9	3364.9	3335.9	3137.7	2873.5	2741.4	2649.9	2466.8	2329.5
147.5°	3329.3	3425.3	3329.3	3233.2	3209.2	3053.2	2845.4	2741.4	2668.1	2521.5	2411.5
150°	3233.8	3311.7	3233.8	3155.9	3136.5	3004.8	2829.2	2741.4	2677.6	2550.1	2454.4
152.5°	3152.2	3211.0	3152.2	3093.5	3078.7	2966.3	2816.4	2741.4	2683.8	2568.7	2482.3
155°	3058.4	3097.4	3058.4	3019.6	3009.8	2920.4	2801.1	2741.4	2697.5	2609.7	2543.9
157.5°	2984.3	3011.6	2984.3	2957.0	2950.2	2880.5	2787.8	2741.4	2711.1	2650.7	2605.3
160°	2940.0	2955.7	2940.0	2924.3	2920.3	2860.6	2781.1	2741.4	2717.4	2669.4	2633.3
162.5°	2911.0	2925.9	2911.0	2896.1	2892.4	2842.1	2775.0	2741.4	2724.0	2689.2	2663.1
165°	2869.2	2884.9	2869.2	2853.4	2849.5	2813.4	2765.4	2741.4	2733.5	2717.8	2706.0
167.5°	2839.1	2845.8	2839.1	2832.5	2830.8	2807.2	2775.8	2760.0	2753.4	2740.2	2730.2
170°	2830.8	2830.8	2830.8	2830.8	2830.8	2807.2	2775.8	2760.0	2759.6	2758.8	2758.2
172.5°	2808.7	2802.9	2808.7	2814.5	2816.0	2797.4	2772.5	2760.0	2760.0	2760.0	2760.0
175°	2795.5	2795.5	2795.5	2795.5	2795.5	2783.6	2767.9	2760.0	2763.8	2771.3	2776.8
177.5°	2783.4	2776.8	2783.4	2790.0	2791.7	2782.4	2770.0	2763.8	2766.7	2772.5	2776.8
180°	2776.8	2776.8	2776.8	2776.8	2776.8	2776.8	2776.8	2776.8	2776.8	2776.8	2776.8



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2118.1	2118.1	2118.1	2118.1	2118.1	2118.1	2118.1	2118.1	2118.1	2118.1	2118.1
2.5°	2148.2	2136.1	2136.1	2116.1	2108.1	2102.1	2092.1	2062.0	2054.1	2046.0	2058.0
5°	2166.2	2144.2	2128.2	2092.1	2062.0	2050.0	2011.9	1939.8	1891.7	1855.6	1835.6
7.5°	2170.2	2142.2	2112.1	2056.0	1983.8	1951.8	1835.6	1703.4	1667.2	1635.2	1615.1
10°	2166.2	2134.1	2092.1	2007.9	1837.6	1781.4	1665.2	1579.1	1557.0	1551.1	1557.0
12.5°	2152.2	2122.2	2064.0	1923.8	1685.3	1647.2	1579.1	1529.0	1525.0	1535.0	1589.1
15°	2128.2	2100.1	2031.9	1811.5	1601.2	1573.1	1525.0	1506.9	1529.0	1599.1	1761.4
17.5°	2104.1	2072.1	1987.9	1701.4	1537.0	1517.0	1482.8	1519.0	1643.2	1737.4	1791.5
20°	2072.1	2033.9	1937.8	1621.2	1490.9	1472.9	1456.8	1619.2	1713.3	1747.4	1777.5
22.5°	2033.9	1993.9	1869.7	1565.0	1442.8	1428.8	1438.8	1675.3	1713.3	1737.4	1763.4
25°	1983.8	1949.8	1789.5	1521.0	1404.8	1388.7	1426.8	1669.3	1691.3	1697.3	1749.4
27.5°	1937.8	1893.7	1705.4	1480.9	1358.6	1352.7	1436.8	1643.2	1659.2	1665.2	1721.4
30°	1881.6	1815.5	1611.1	1438.8	1310.5	1308.5	1438.8	1611.1	1607.1	1623.2	1679.3
32.5°	1823.6	1699.3	1505.0	1386.7	1264.4	1262.4	1424.8	1563.0	1559.0	1581.1	1623.2
35°	1769.5	1609.1	1360.6	1326.6	1206.4	1208.3	1390.7	1506.9	1508.9	1529.0	1555.1
37.5°	1713.3	1531.0	1202.4	1260.4	1150.3	1150.3	1344.6	1454.9	1450.9	1456.8	1492.9
40°	1647.2	1408.7	1062.0	1174.3	1098.2	1092.1	1288.5	1398.7	1384.7	1382.7	1432.7
42.5°	1577.1	1274.5	957.9	1060.0	1038.0	1030.0	1220.4	1330.6	1304.6	1310.5	1374.7
45°	1501.0	1238.4	877.7	895.7	975.9	969.9	1146.2	1252.5	1234.4	1250.5	1316.6
47.5°	1424.8	1166.3	851.7	743.4	909.7	907.8	1064.0	1176.3	1166.3	1182.4	1252.5
50°	1320.6	1086.1	849.7	637.2	835.6	843.6	965.9	1102.2	1102.2	1116.2	1190.3
52.5°	1186.3	987.9	771.5	577.1	749.5	773.5	879.7	1038.0	1042.0	1056.1	1122.2
55°	1064.0	885.7	715.4	531.1	647.3	699.4	795.5	971.9	979.9	993.9	1054.1
57.5°	951.9	737.4	703.4	476.9	553.1	603.2	721.4	907.8	911.7	923.8	982.0
60°	831.7	533.1	645.3	418.8	470.9	509.0	653.3	831.7	845.6	853.7	903.8
62.5°	695.3	386.7	585.2	378.8	430.9	438.8	597.2	759.4	777.5	783.6	813.6
65°	495.0	324.6	497.0	344.7	388.7	390.7	537.0	685.3	701.4	711.3	733.5
67.5°	334.7	264.5	378.8	312.6	356.7	358.7	479.0	599.2	621.2	629.3	643.2
70°	232.5	176.4	280.6	278.6	320.6	324.6	416.8	521.0	541.0	547.1	555.1
72.5°	170.3	142.2	232.5	250.5	282.6	286.5	352.7	432.9	452.9	458.9	462.9
75°	130.3	150.3	188.3	218.4	240.4	242.4	288.5	352.7	366.7	370.7	372.7
77.5°	104.2	140.2	138.2	176.4	196.4	192.3	226.5	272.5	284.6	284.6	284.6
80°	78.2	110.3	104.2	126.3	144.3	140.2	162.3	194.4	198.4	202.4	200.4
82.5°	58.1	70.1	70.1	80.2	96.2	92.2	108.2	126.3	126.3	126.3	130.3
85°	36.1	40.0	32.1	42.1	54.1	52.1	60.2	68.1	70.1	70.1	66.1
87.5°	22.0	18.0	10.1	16.0	24.0	24.0	28.1	30.1	28.1	28.1	28.1
90°	48.5	33.6	18.6	33.6	48.5	52.2	82.0	121.7	141.6	125.9	94.4
92.5°	328.0	201.2	74.5	201.2	328.0	359.7	505.7	700.3	797.6	699.0	501.9
95°	642.7	410.8	178.9	410.8	642.7	700.7	1244.3	1969.1	2331.4	2080.4	1578.6
97.5°	718.5	513.9	309.4	513.9	718.5	769.7	1676.1	2884.5	3488.7	3330.1	3012.9
100°	781.1	595.5	410.0	595.5	781.1	827.5	1833.2	3174.2	3844.7	3856.2	3879.4
102.5°	841.9	668.8	495.7	668.8	841.9	885.2	1905.2	3265.3	3945.4	4147.4	4551.6
105°	934.3	787.7	641.1	787.7	934.3	971.0	1958.7	3275.6	3934.1	4387.2	5293.3
107.5°	1063.5	926.9	790.2	926.9	1063.5	1097.7	1968.6	3129.8	3710.5	4342.5	5606.4
110°	1137.6	1014.2	890.8	1014.2	1137.6	1168.5	1953.8	3000.6	3524.1	4230.7	5643.7



TEST NUMBER: P935877

CATALOG NUMBER: SQ4-FA-150U-050D-B2750-1D-UNV-STD-W-12-2700K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	1224.9	1107.3	989.6	1107.3	1224.9	1254.3	1954.4	2887.8	3354.5	4077.6	5523.8
115°	1355.8	1247.2	1138.7	1247.2	1355.8	1382.8	1972.4	2758.4	3151.4	3848.0	5241.2
117.5°	1483.0	1384.4	1285.9	1384.4	1483.0	1507.6	2008.9	2677.3	3011.6	3640.3	4897.6
120°	1557.1	1464.4	1371.6	1464.4	1557.1	1580.4	2038.8	2650.1	2955.7	3530.1	4678.9
122.5°	1642.7	1549.1	1455.5	1549.1	1642.7	1666.1	2081.7	2635.8	2912.9	3430.1	4464.7
125°	1754.8	1669.4	1584.1	1669.4	1754.8	1776.1	2139.5	2624.1	2866.3	3305.7	4184.5
127.5°	1860.7	1774.6	1688.4	1774.6	1860.7	1882.2	2197.2	2617.2	2827.1	3204.4	3959.0
130°	1929.8	1837.1	1744.4	1837.1	1929.8	1953.1	2239.4	2621.3	2812.2	3148.1	3819.9
132.5°	1987.6	1894.9	1802.2	1894.9	1987.6	2010.8	2273.6	2624.0	2799.2	3099.9	3701.2
135°	2056.8	1972.3	1887.8	1972.3	2056.8	2078.0	2310.9	2621.6	2776.8	3028.6	3532.2
137.5°	2142.8	2059.1	1975.5	2059.1	2142.8	2163.7	2366.8	2637.6	2773.1	2985.9	3411.7
140°	2202.3	2125.2	2048.2	2125.2	2202.3	2221.5	2401.0	2640.3	2760.0	2943.9	3311.7
142.5°	2246.5	2175.3	2104.0	2175.3	2246.5	2264.3	2429.5	2649.9	2760.0	2921.6	3244.6
145°	2314.0	2252.0	2189.8	2252.0	2314.0	2329.5	2466.8	2649.9	2741.4	2873.5	3137.7
147.5°	2396.4	2335.9	2275.5	2335.9	2396.4	2411.5	2521.5	2668.1	2741.4	2845.4	3053.2
150°	2440.8	2386.1	2331.4	2386.1	2440.8	2454.4	2550.1	2677.6	2741.4	2829.2	3004.8
152.5°	2472.0	2430.6	2389.2	2430.6	2472.0	2482.3	2568.7	2683.8	2741.4	2816.4	2966.3
155°	2536.2	2505.6	2475.0	2505.6	2536.2	2543.9	2609.7	2697.5	2741.4	2801.1	2920.4
157.5°	2597.9	2568.1	2538.3	2568.1	2597.9	2605.3	2650.7	2711.1	2741.4	2787.8	2880.5
160°	2627.5	2604.3	2581.1	2604.3	2627.5	2633.3	2669.4	2717.4	2741.4	2781.1	2860.6
162.5°	2658.7	2641.4	2624.0	2641.4	2658.7	2663.1	2689.2	2724.0	2741.4	2775.0	2842.1
165°	2702.0	2686.3	2670.6	2686.3	2702.0	2706.0	2717.8	2733.5	2741.4	2765.4	2813.4
167.5°	2728.3	2721.0	2713.5	2721.0	2728.3	2730.2	2740.2	2753.4	2760.0	2775.8	2807.2
170°	2756.3	2748.9	2741.4	2748.9	2756.3	2758.2	2758.8	2759.6	2760.0	2775.8	2807.2
172.5°	2759.6	2757.9	2756.3	2757.9	2759.6	2760.0	2760.0	2760.0	2760.0	2772.5	2797.4
175°	2776.8	2776.8	2776.8	2776.8	2776.8	2776.8	2771.3	2763.8	2760.0	2767.9	2783.6
177.5°	2776.8	2776.8	2776.8	2776.8	2776.8	2776.8	2772.5	2766.7	2763.8	2770.0	2782.4
180°	2776.8	2776.8	2776.8	2776.8	2776.8	2776.8	2776.8	2776.8	2776.8	2776.8	2776.8



TEST NUMBER: P935877

CATALOG NUMBER: SQ4-FA-150U-050D-B2750-1D-UNV-STD-W-12-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2118.1	2118.1	2118.1	2118.1	2118.1	2118.1	2118.1	2118.1	2118.1	2118.1	2118.1
2.5°	2044.0	2038.0	2046.0	2024.0	2046.0	2038.0	2044.0	2058.0	2046.0	2054.1	2062.0
5°	1793.5	1783.4	1751.5	1725.4	1751.5	1783.4	1793.5	1835.6	1855.6	1891.7	1939.8
7.5°	1603.2	1595.1	1587.1	1571.1	1587.1	1595.1	1603.2	1615.1	1635.2	1667.2	1703.4
10°	1561.0	1563.0	1575.1	1573.1	1575.1	1563.0	1561.0	1557.0	1551.1	1557.0	1579.1
12.5°	1669.3	1687.3	1753.5	1749.4	1753.5	1687.3	1669.3	1589.1	1535.0	1525.0	1529.0
15°	1793.5	1799.5	1813.5	1815.5	1813.5	1799.5	1793.5	1761.4	1599.1	1529.0	1506.9
17.5°	1805.5	1807.5	1817.5	1817.5	1817.5	1807.5	1805.5	1791.5	1737.4	1643.2	1519.0
20°	1795.5	1799.5	1819.6	1823.6	1819.6	1799.5	1795.5	1777.5	1747.4	1713.3	1619.2
22.5°	1791.5	1799.5	1815.5	1813.5	1815.5	1799.5	1791.5	1763.4	1737.4	1713.3	1675.3
25°	1771.5	1771.5	1773.5	1775.5	1773.5	1771.5	1771.5	1749.4	1697.3	1691.3	1669.3
27.5°	1729.4	1733.3	1745.4	1743.4	1745.4	1733.3	1729.4	1721.4	1665.2	1659.2	1643.2
30°	1691.3	1687.3	1677.3	1669.3	1677.3	1687.3	1691.3	1679.3	1623.2	1607.1	1611.1
32.5°	1627.2	1617.1	1607.1	1601.2	1607.1	1617.1	1627.2	1623.2	1581.1	1559.0	1563.0
35°	1551.1	1553.1	1551.1	1545.0	1551.1	1553.1	1551.1	1555.1	1529.0	1508.9	1506.9
37.5°	1496.9	1501.0	1498.9	1490.9	1498.9	1501.0	1496.9	1492.9	1456.8	1450.9	1454.9
40°	1440.8	1442.8	1440.8	1434.8	1440.8	1442.8	1440.8	1432.7	1382.7	1384.7	1398.7
42.5°	1386.7	1384.7	1378.7	1374.7	1378.7	1384.7	1386.7	1374.7	1310.5	1304.6	1330.6
45°	1324.6	1326.6	1314.5	1308.5	1314.5	1326.6	1324.6	1316.6	1250.5	1234.4	1252.5
47.5°	1262.4	1262.4	1252.5	1246.4	1252.5	1262.4	1262.4	1252.5	1182.4	1166.3	1176.3
50°	1196.3	1194.3	1180.3	1178.3	1180.3	1194.3	1196.3	1190.3	1116.2	1102.2	1102.2
52.5°	1120.2	1120.2	1122.2	1126.2	1122.2	1120.2	1120.2	1122.2	1056.1	1042.0	1038.0
55°	1054.1	1056.1	1070.1	1074.1	1070.1	1056.1	1054.1	1054.1	993.9	979.9	971.9
57.5°	985.9	985.9	995.9	995.9	995.9	985.9	985.9	982.0	923.8	911.7	907.8
60°	907.8	911.7	919.8	917.8	919.8	911.7	907.8	903.8	853.7	845.6	831.7
62.5°	825.6	829.7	831.7	827.6	831.7	829.7	825.6	813.6	783.6	777.5	759.4
65°	739.4	743.4	745.4	741.4	745.4	743.4	739.4	733.5	711.3	701.4	685.3
67.5°	651.3	649.3	647.3	655.3	647.3	649.3	651.3	643.2	629.3	621.2	599.2
70°	561.0	561.0	559.1	563.1	559.1	561.0	561.0	555.1	547.1	541.0	521.0
72.5°	464.9	462.9	470.9	464.9	470.9	462.9	464.9	462.9	458.9	452.9	432.9
75°	370.7	374.7	370.7	376.7	370.7	374.7	370.7	372.7	370.7	366.7	352.7
77.5°	282.6	286.5	282.6	282.6	282.6	286.5	282.6	284.6	284.6	284.6	272.5
80°	200.4	198.4	198.4	196.4	198.4	198.4	200.4	200.4	202.4	198.4	194.4
82.5°	128.3	126.3	126.3	130.3	126.3	126.3	128.3	130.3	126.3	126.3	126.3
85°	70.1	72.1	68.1	68.1	68.1	72.1	70.1	66.1	70.1	70.1	68.1
87.5°	26.1	24.0	24.0	24.0	24.0	24.0	26.1	28.1	28.1	28.1	30.1
90°	70.8	70.8	70.8	70.8	70.8	70.8	70.8	94.4	125.9	141.6	121.7
92.5°	354.1	340.0	283.7	227.4	283.7	340.0	354.1	501.9	699.0	797.6	700.3
95°	1202.1	1159.4	988.7	818.1	988.7	1159.4	1202.1	1578.6	2080.4	2331.4	1969.1
97.5°	2775.0	2693.8	2369.1	2044.4	2369.1	2693.8	2775.0	3012.9	3330.1	3488.7	2884.5
100°	3896.8	3800.1	3413.4	3026.5	3413.4	3800.1	3896.8	3879.4	3856.2	3844.7	3174.2
102.5°	4854.8	4771.9	4440.7	4109.3	4440.7	4771.9	4854.8	4551.6	4147.4	3945.4	3265.3
105°	5972.9	5928.4	5750.4	5572.3	5750.4	5928.4	5972.9	5293.3	4387.2	3934.1	3275.6
107.5°	6554.4	6565.1	6608.3	6651.3	6608.3	6565.1	6554.4	5606.4	4342.5	3710.5	3129.8
110°	6703.5	6749.9	6935.4	7121.0	6935.4	6749.9	6703.5	5643.7	4230.7	3524.1	3000.6



TEST NUMBER: P935877

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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	6608.5	6679.7	6964.6	7249.6	6964.6	6679.7	6608.5	5523.8	4077.6	3354.5	2887.8
115°	6286.1	6384.9	6779.9	7175.0	6779.9	6384.9	6286.1	5241.2	3848.0	3151.4	2758.4
117.5°	5840.6	5950.2	6388.3	6826.5	6388.3	5950.2	5840.6	4897.6	3640.3	3011.6	2677.3
120°	5540.5	5647.0	6072.7	6498.5	6072.7	5647.0	5540.5	4678.9	3530.1	2955.7	2650.1
122.5°	5240.6	5345.5	5765.5	6185.5	5765.5	5345.5	5240.6	4464.7	3430.1	2912.9	2635.8
125°	4843.5	4940.3	5327.1	5714.0	5327.1	4940.3	4843.5	4184.5	3305.7	2866.3	2624.1
127.5°	4524.9	4606.5	4932.9	5259.2	4932.9	4606.5	4524.9	3959.0	3204.4	2827.1	2617.2
130°	4323.6	4399.0	4700.5	5002.0	4700.5	4399.0	4323.6	3819.9	3148.1	2812.2	2621.3
132.5°	4152.2	4219.8	4489.7	4759.7	4489.7	4219.8	4152.2	3701.2	3099.9	2799.2	2624.0
135°	3909.9	3968.1	4200.8	4433.6	4200.8	3968.1	3909.9	3532.2	3028.6	2776.8	2621.6
137.5°	3731.0	3778.6	3969.2	4159.6	3969.2	3778.6	3731.0	3411.7	2985.9	2773.1	2637.6
140°	3587.5	3632.0	3810.1	3988.2	3810.1	3632.0	3587.5	3311.7	2943.9	2760.0	2640.3
142.5°	3486.9	3525.2	3678.4	3831.6	3678.4	3525.2	3486.9	3244.6	2921.6	2760.0	2649.9
145°	3335.9	3364.9	3480.9	3596.9	3480.9	3364.9	3335.9	3137.7	2873.5	2741.4	2649.9
147.5°	3209.2	3233.2	3329.3	3425.3	3329.3	3233.2	3209.2	3053.2	2845.4	2741.4	2668.1
150°	3136.5	3155.9	3233.8	3311.7	3233.8	3155.9	3136.5	3004.8	2829.2	2741.4	2677.6
152.5°	3078.7	3093.5	3152.2	3211.0	3152.2	3093.5	3078.7	2966.3	2816.4	2741.4	2683.8
155°	3009.8	3019.6	3058.4	3097.4	3058.4	3019.6	3009.8	2920.4	2801.1	2741.4	2697.5
157.5°	2950.2	2957.0	2984.3	3011.6	2984.3	2957.0	2950.2	2880.5	2787.8	2741.4	2711.1
160°	2920.3	2924.3	2940.0	2955.7	2940.0	2924.3	2920.3	2860.6	2781.1	2741.4	2717.4
162.5°	2892.4	2896.1	2911.0	2925.9	2911.0	2896.1	2892.4	2842.1	2775.0	2741.4	2724.0
165°	2849.5	2853.4	2869.2	2884.9	2869.2	2853.4	2849.5	2813.4	2765.4	2741.4	2733.5
167.5°	2830.8	2832.5	2839.1	2845.8	2839.1	2832.5	2830.8	2807.2	2775.8	2760.0	2753.4
170°	2830.8	2830.8	2830.8	2830.8	2830.8	2830.8	2830.8	2807.2	2775.8	2760.0	2759.6
172.5°	2816.0	2814.5	2808.7	2802.9	2808.7	2814.5	2816.0	2797.4	2772.5	2760.0	2760.0
175°	2795.5	2795.5	2795.5	2795.5	2795.5	2795.5	2795.5	2783.6	2767.9	2760.0	2763.8
177.5°	2791.7	2790.0	2783.4	2776.8	2783.4	2790.0	2791.7	2782.4	2770.0	2763.8	2766.7
180°	2776.8	2776.8	2776.8	2776.8	2776.8	2776.8	2776.8	2776.8	2776.8	2776.8	2776.8



TEST NUMBER: P935877

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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	2118.1	2118.1	2118.1	2118.1	2118.1
2.5°	2092.1	2102.1	2108.1	2116.1	2136.1
5°	2011.9	2050.0	2062.0	2092.1	2128.2
7.5°	1835.6	1951.8	1983.8	2056.0	2112.1
10°	1665.2	1781.4	1837.6	2007.9	2092.1
12.5°	1579.1	1647.2	1685.3	1923.8	2064.0
15°	1525.0	1573.1	1601.2	1811.5	2031.9
17.5°	1482.8	1517.0	1537.0	1701.4	1987.9
20°	1456.8	1472.9	1490.9	1621.2	1937.8
22.5°	1438.8	1428.8	1442.8	1565.0	1869.7
25°	1426.8	1388.7	1404.8	1521.0	1789.5
27.5°	1436.8	1352.7	1358.6	1480.9	1705.4
30°	1438.8	1308.5	1310.5	1438.8	1611.1
32.5°	1424.8	1262.4	1264.4	1386.7	1505.0
35°	1390.7	1208.3	1206.4	1326.6	1360.6
37.5°	1344.6	1150.3	1150.3	1260.4	1202.4
40°	1288.5	1092.1	1098.2	1174.3	1062.0
42.5°	1220.4	1030.0	1038.0	1060.0	957.9
45°	1146.2	969.9	975.9	895.7	877.7
47.5°	1064.0	907.8	909.7	743.4	851.7
50°	965.9	843.6	835.6	637.2	849.7
52.5°	879.7	773.5	749.5	577.1	771.5
55°	795.5	699.4	647.3	531.1	715.4
57.5°	721.4	603.2	553.1	476.9	703.4
60°	653.3	509.0	470.9	418.8	645.3
62.5°	597.2	438.8	430.9	378.8	585.2
65°	537.0	390.7	388.7	344.7	497.0
67.5°	479.0	358.7	356.7	312.6	378.8
70°	416.8	324.6	320.6	278.6	280.6
72.5°	352.7	286.5	282.6	250.5	232.5
75°	288.5	242.4	240.4	218.4	188.3
77.5°	226.5	192.3	196.4	176.4	138.2
80°	162.3	140.2	144.3	126.3	104.2
82.5°	108.2	92.2	96.2	80.2	70.1
85°	60.2	52.1	54.1	42.1	32.1
87.5°	28.1	24.0	24.0	16.0	10.1
90°	82.0	52.2	48.5	33.6	18.6
92.5°	505.7	359.7	328.0	201.2	74.5
95°	1244.3	700.7	642.7	410.8	178.9
97.5°	1676.1	769.7	718.5	513.9	309.4
100°	1833.2	827.5	781.1	595.5	410.0
102.5°	1905.2	885.2	841.9	668.8	495.7
105°	1958.7	971.0	934.3	787.7	641.1
107.5°	1968.6	1097.7	1063.5	926.9	790.2
110°	1953.8	1168.5	1137.6	1014.2	890.8



TEST NUMBER: P935877

CATALOG NUMBER: SQ4-FA-150U-050D-B2750-1D-UNV-STD-W-12-2700K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1954.4	1254.3	1224.9	1107.3	989.6
115°	1972.4	1382.8	1355.8	1247.2	1138.7
117.5°	2008.9	1507.6	1483.0	1384.4	1285.9
120°	2038.8	1580.4	1557.1	1464.4	1371.6
122.5°	2081.7	1666.1	1642.7	1549.1	1455.5
125°	2139.5	1776.1	1754.8	1669.4	1584.1
127.5°	2197.2	1882.2	1860.7	1774.6	1688.4
130°	2239.4	1953.1	1929.8	1837.1	1744.4
132.5°	2273.6	2010.8	1987.6	1894.9	1802.2
135°	2310.9	2078.0	2056.8	1972.3	1887.8
137.5°	2366.8	2163.7	2142.8	2059.1	1975.5
140°	2401.0	2221.5	2202.3	2125.2	2048.2
142.5°	2429.5	2264.3	2246.5	2175.3	2104.0
145°	2466.8	2329.5	2314.0	2252.0	2189.8
147.5°	2521.5	2411.5	2396.4	2335.9	2275.5
150°	2550.1	2454.4	2440.8	2386.1	2331.4
152.5°	2568.7	2482.3	2472.0	2430.6	2389.2
155°	2609.7	2543.9	2536.2	2505.6	2475.0
157.5°	2650.7	2605.3	2597.9	2568.1	2538.3
160°	2669.4	2633.3	2627.5	2604.3	2581.1
162.5°	2689.2	2663.1	2658.7	2641.4	2624.0
165°	2717.8	2706.0	2702.0	2686.3	2670.6
167.5°	2740.2	2730.2	2728.3	2721.0	2713.5
170°	2758.8	2758.2	2756.3	2748.9	2741.4
172.5°	2760.0	2760.0	2759.6	2757.9	2756.3
175°	2771.3	2776.8	2776.8	2776.8	2776.8
177.5°	2772.5	2776.8	2776.8	2776.8	2776.8
180°	2776.8	2776.8	2776.8	2776.8	2776.8



TEST NUMBER: P935877

CATALOG NUMBER: SQ4-FA-150U-050D-B2750-1D-UNV-STD-W-12-2700K

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	8.13	8.80	9.29	9.94	11.55	10.98	11.65	12.14	12.79	14.40
	3H	8.60	9.19	9.76	10.34	11.96	12.32	12.92	13.49	14.07	15.69
	4H	8.78	9.34	9.95	10.49	12.12	12.76	13.33	13.93	14.48	16.10
	6H	8.88	9.40	10.06	10.56	12.19	13.04	13.56	14.22	14.71	16.35
	8H	8.88	9.37	10.06	10.54	12.17	13.11	13.61	14.29	14.77	16.40
	12H	8.84	9.31	10.03	10.47	12.13	13.15	13.62	14.33	14.78	16.43
4H	2H	9.15	9.71	10.33	10.86	12.49	11.37	11.93	12.55	13.08	14.71
	3H	10.15	10.63	11.34	11.80	13.44	12.86	13.33	14.05	14.51	16.15
	4H	10.42	10.86	11.61	12.02	13.68	13.39	13.82	14.57	14.98	16.64
	6H	10.54	10.91	11.73	12.09	13.74	13.74	14.12	14.94	15.30	16.95
	8H	10.54	10.88	11.73	12.06	13.72	13.85	14.20	15.04	15.37	17.04
	12H	10.49	10.81	11.70	12.00	13.66	13.90	14.22	15.11	15.40	17.07
8H	4H	10.86	11.21	12.05	12.39	14.05	13.49	13.84	14.68	15.02	16.68
	6H	11.12	11.40	12.32	12.62	14.28	13.93	14.21	15.14	15.43	17.09
	8H	11.16	11.40	12.37	12.60	14.28	14.08	14.33	15.29	15.53	17.21
	12H	11.13	11.35	12.35	12.55	14.26	14.17	14.39	15.39	15.59	17.30
12H	4H	10.86	11.17	12.07	12.36	14.03	13.45	13.76	14.65	14.95	16.62
	6H	11.18	11.42	12.39	12.62	14.30	13.92	14.17	15.14	15.37	17.05
	8H	11.23	11.45	12.45	12.65	14.36	14.08	14.30	15.30	15.49	17.20