

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: P935130

Luminaire Tested: SQ4-FA-100U-075D-92765-1D-UNV-STD-W-12-6500K

Issue Date: 12/17/2024

**Test Information**

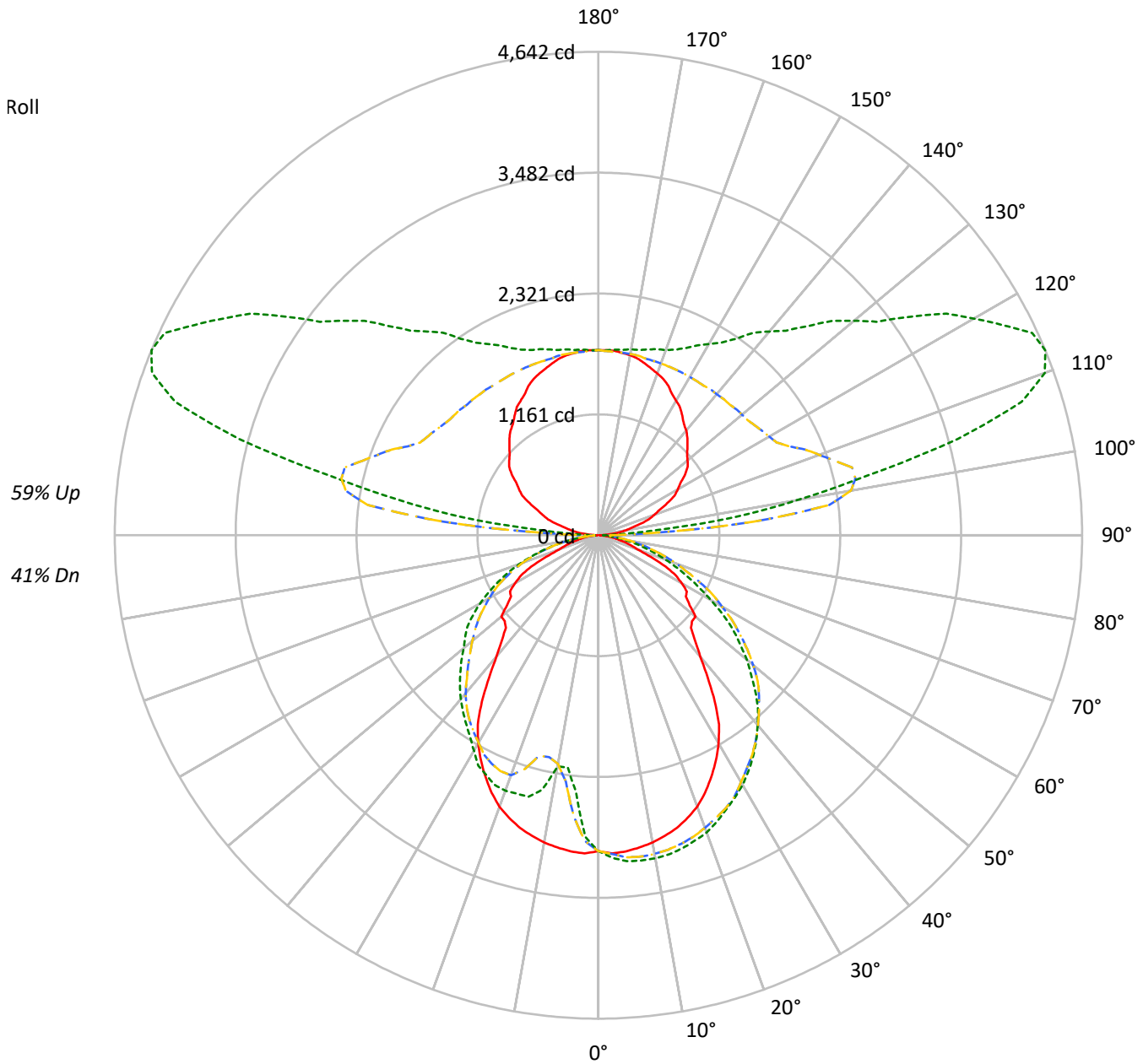
Test Method: LM-79-2019  
Report Number: P935130  
REPORT IS A COMBINATION OF REPORTS P933741 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-100U-075D-92765-1D-UNV-STD-W-12-6500K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 19393.4 lumens  
Efficiency: N/A  
Efficacy: 131.4 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: General Diffuse  
  
Input Watts (W): 147.6  
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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CATALOG NUMBER: SQ4-FA-100U-075D-92765-1D-UNV-STD-W-12-6500K

### 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	50	30	10	0
RCR																					
0	105	105	105	105	96	96	96	96	78	78	78	62	62	62	47	47	47	47	47	47	41
1	96	91	88	84	87	83	80	77	68	66	64	55	53	52	42	41	40	40	40	40	34
2	87	80	74	69	79	73	68	63	60	56	53	48	45	43	37	35	34	34	34	34	29
3	79	70	63	57	72	64	58	53	53	48	45	42	39	37	33	31	29	29	29	29	24
4	73	62	54	48	66	57	50	45	47	42	38	38	34	31	29	27	25	25	25	25	21
5	67	55	47	41	60	51	44	38	42	37	33	34	30	27	26	24	22	22	22	22	18
6	61	49	41	36	56	45	38	33	38	32	28	31	27	24	24	21	19	19	19	19	16
7	57	45	37	31	51	41	34	29	34	29	25	28	24	21	22	19	17	17	17	17	14
8	52	40	33	27	48	37	30	26	31	26	22	25	21	18	20	17	15	15	15	15	13
9	49	37	29	24	44	34	27	23	28	23	20	23	19	17	18	16	13	13	13	13	11
10	46	34	26	22	41	31	25	20	26	21	18	21	18	15	17	14	12	12	12	12	10

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	9379	9379	9379	9379
5°	9452	9467	9452	7444
10°	9393	9326	9393	6667
15°	9294	9124	9294	7619
20°	9103	8884	9103	7635
25°	8709	8535	8709	7473
30°	8198	8246	8198	7117
35°	7312	7879	7312	6727
40°	6096	7447	6096	6432
45°	5450	6942	5450	6093
50°	5795	6339	5795	5752
55°	5458	5690	5458	5556
60°	5633	4833	5633	5088
65°	5115	3995	5115	4466
70°	3551	3184	3551	3743
75°	3125	2354	3125	2818
80°	2538	1556	2538	1694
85°	1487	824	1487	700

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 8349 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	273.7	1.4
10°-20°	777.1	4.0
20°-30°	1201.3	6.2
30°-40°	1434.1	7.4
40°-50°	1442.5	7.4
50°-60°	1255.1	6.5
60°-70°	889.9	4.6
70°-80°	470.8	2.4
80°-90°	124.0	0.6
90°-100°	866.6	4.5
100°-110°	2278.3	11.7
110°-120°	2362.4	12.2
120°-130°	1894.9	9.8
130°-140°	1486.8	7.7
140°-150°	1141.2	5.9
150°-160°	821.9	4.2
160°-170°	502.9	2.6
170°-180°	169.9	0.9
0°-30°	2252.1	11.6
0°-40°	3686.2	19.0
0°-60°	6383.8	32.9
0°-90°	7868.5	40.6
90°-120°	5507.3	28.4
90°-150°	10030.3	51.7
90°-180°	11525.0	59.4
0°-180°	19393.4	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	3032	3032	3032	3032	3032	
5°	3046	3141	3046	2470	3046	289
15°	2909	3112	2909	2599	2909	818
25°	2562	2903	2562	2542	2562	1176
35°	1948	2590	1948	2212	1948	1205
45°	1256	2134	1256	1873	1256	1006
55°	1024	1575	1024	1538	1024	941
65°	711	950	711	1061	711	680
75°	270	450	270	539	270	283
85°	46	115	46	98	46	62
90°	12	45	12	45	12	12
95°	115	524	115	524	115	127
105°	410	3568	410	3568	410	435
115°	729	4594	729	4594	729	720
125°	1014	3658	1014	3658	1014	900
135°	1209	2839	1209	2839	1209	935
145°	1402	2303	1402	2303	1402	878
155°	1584	1983	1584	1983	1584	728
165°	1710	1847	1710	1847	1710	483
175°	1778	1790	1778	1790	1778	169
180°	1778	1778	1778	1778	1778	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	3032.2	3032.2	3032.2	3032.2	3032.2	3032.2	3032.2	3032.2	3032.2	3032.2	3032.2
2.5°	3058.0	3058.0	3075.2	3080.9	3080.9	3072.3	3063.7	3072.3	3098.2	3106.8	3103.9
5°	3046.5	3069.5	3101.0	3106.8	3112.5	3109.6	3103.9	3109.6	3138.3	3144.1	3146.9
7.5°	3023.6	3066.6	3106.8	3115.4	3124.0	3115.4	3112.5	3118.2	3146.9	3152.7	3152.7
10°	2994.9	3055.1	3101.0	3106.8	3115.4	3106.8	3106.8	3118.2	3146.9	3152.7	3155.5
12.5°	2954.7	3037.9	3080.9	3086.7	3098.2	3095.3	3092.4	3103.9	3132.6	3138.3	3138.3
15°	2908.8	3006.4	3046.5	3052.3	3072.3	3066.6	3066.6	3078.1	3109.6	3118.2	3115.4
17.5°	2845.7	2966.2	3012.1	3020.7	3035.1	3032.2	3035.1	3046.5	3075.2	3080.9	3083.8
20°	2774.0	2911.7	2966.2	2974.8	2989.2	2989.2	2989.2	3003.5	3032.2	3043.7	3043.7
22.5°	2676.5	2854.3	2911.7	2917.4	2934.7	2934.7	2940.4	2960.5	2986.3	2989.2	2989.2
25°	2561.7	2791.2	2840.0	2857.2	2874.4	2883.0	2891.6	2903.1	2911.7	2908.8	2911.7
27.5°	2441.2	2710.9	2774.0	2785.5	2808.4	2817.0	2828.5	2831.4	2834.3	2842.9	2837.1
30°	2306.3	2599.0	2693.7	2705.2	2742.5	2748.2	2736.7	2742.5	2756.8	2762.5	2768.3
32.5°	2154.3	2432.6	2610.5	2636.3	2670.7	2653.5	2650.7	2659.3	2682.2	2682.2	2688.0
35°	1947.8	2303.5	2533.1	2556.0	2581.8	2561.7	2573.2	2576.1	2590.4	2599.0	2596.2
37.5°	1721.1	2191.6	2452.6	2469.8	2489.9	2464.1	2481.3	2489.9	2501.4	2495.7	2495.7
40°	1520.3	2016.6	2358.0	2369.4	2386.7	2366.6	2383.8	2389.5	2395.3	2389.5	2386.7
42.5°	1371.2	1824.4	2257.6	2271.9	2260.4	2274.8	2280.5	2292.0	2283.4	2271.9	2271.9
45°	1256.4	1772.8	2148.6	2165.8	2148.6	2171.5	2180.1	2180.1	2154.3	2148.6	2145.7
47.5°	1219.1	1669.5	2039.6	2039.6	2031.0	2059.6	2074.0	2053.9	2028.1	2019.5	2019.5
50°	1216.3	1554.8	1890.4	1878.9	1919.1	1953.5	1939.2	1919.1	1899.0	1867.4	1867.4
52.5°	1104.4	1414.2	1698.2	1741.2	1804.3	1824.4	1801.5	1781.4	1747.0	1732.6	1721.1
55°	1024.1	1267.9	1523.2	1609.3	1675.3	1701.1	1658.0	1638.0	1586.3	1577.7	1572.0
57.5°	1006.9	1055.6	1362.6	1471.6	1551.9	1549.0	1523.2	1485.9	1442.9	1434.3	1431.4
60°	923.7	763.0	1190.5	1319.5	1402.7	1394.1	1371.2	1336.8	1296.6	1290.9	1285.1
62.5°	837.6	553.6	995.4	1141.7	1259.3	1256.4	1236.4	1184.7	1156.0	1141.7	1130.2
65°	711.4	464.7	708.5	949.5	1118.7	1124.5	1081.5	1044.2	1012.6	995.4	992.5
67.5°	542.2	378.7	479.1	791.7	983.9	978.2	923.7	906.5	866.3	857.7	840.5
70°	401.6	252.4	332.8	642.6	852.0	837.6	794.6	774.5	737.2	717.1	705.7
72.5°	332.8	203.7	243.8	499.1	717.1	699.9	662.6	639.7	608.1	590.9	579.5
75°	269.6	215.1	186.5	370.0	582.3	570.8	536.4	513.5	487.7	464.7	467.6
77.5°	197.9	200.8	149.2	272.5	461.8	444.6	424.5	395.9	384.4	361.4	361.4
80°	149.2	157.8	111.9	186.5	332.8	332.8	315.5	295.5	275.4	263.9	263.9
82.5°	100.4	100.4	83.2	117.6	226.6	218.0	206.5	200.8	189.3	183.6	183.6
85°	45.9	57.4	51.6	71.7	123.3	129.1	129.1	123.3	120.5	114.7	117.6
87.5°	14.3	25.8	31.6	40.2	63.1	66.0	68.8	68.8	68.8	71.7	71.7
90°	12.0	21.5	31.0	33.4	52.5	77.9	90.6	80.6	60.4	45.3	45.3
92.5°	47.7	128.8	210.0	230.3	323.8	448.4	510.7	447.6	321.4	226.7	217.7
95°	114.6	263.0	411.5	448.6	796.6	1260.6	1492.6	1332.0	1010.6	769.5	742.2
97.5°	198.0	329.0	460.0	492.8	1073.0	1846.7	2233.6	2132.0	1928.9	1776.6	1724.7
100°	262.5	381.2	500.0	529.7	1173.6	2032.2	2461.5	2469.0	2483.8	2494.9	2433.0
102.5°	317.4	428.2	539.0	566.7	1219.8	2090.6	2526.0	2655.3	2914.1	3108.2	3055.1
105°	410.5	504.3	598.2	621.6	1254.0	2097.2	2518.8	2808.9	3389.0	3824.1	3795.6
107.5°	505.9	593.4	680.9	702.8	1260.4	2003.8	2375.6	2780.2	3589.5	4196.3	4203.2
110°	570.4	649.4	728.3	748.1	1250.8	1921.1	2256.2	2708.6	3613.3	4291.8	4321.5



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	633.6	708.9	784.2	803.0	1251.3	1848.9	2147.7	2610.7	3536.6	4231.0	4276.6
115°	729.0	798.5	867.9	885.3	1262.7	1766.0	2017.7	2463.6	3355.6	4024.5	4087.7
117.5°	823.3	886.4	949.5	965.3	1286.3	1714.2	1928.2	2330.6	3135.6	3739.4	3809.5
120°	878.2	937.5	997.0	1011.8	1305.4	1696.8	1892.4	2260.2	2995.7	3547.3	3615.5
122.5°	931.9	991.9	1051.7	1066.7	1332.8	1687.6	1865.0	2196.1	2858.4	3355.2	3422.4
125°	1014.2	1068.8	1123.4	1137.1	1369.7	1680.0	1835.1	2116.4	2679.1	3101.0	3162.9
127.5°	1081.0	1136.1	1191.3	1205.1	1406.8	1675.6	1810.1	2051.6	2534.7	2897.0	2949.2
130°	1116.8	1176.2	1235.6	1250.4	1433.8	1678.3	1800.5	2015.6	2445.7	2768.2	2816.5
132.5°	1153.8	1213.2	1272.6	1287.4	1455.6	1679.9	1792.1	1984.6	2369.6	2658.4	2701.6
135°	1208.7	1262.7	1316.9	1330.4	1479.5	1678.4	1777.8	1939.1	2261.4	2503.2	2540.5
137.5°	1264.8	1318.3	1371.9	1385.2	1515.3	1688.7	1775.5	1911.7	2184.3	2388.8	2419.3
140°	1311.3	1360.7	1409.9	1422.2	1537.2	1690.5	1767.0	1884.8	2120.3	2296.9	2325.4
142.5°	1347.1	1392.7	1438.3	1449.7	1555.4	1696.5	1767.0	1870.5	2077.3	2232.4	2256.9
145°	1402.0	1441.7	1481.5	1491.5	1579.3	1696.6	1755.2	1839.7	2008.9	2135.8	2154.3
147.5°	1456.9	1495.6	1534.3	1544.0	1614.3	1708.2	1755.2	1821.7	1954.8	2054.7	2070.1
150°	1492.6	1527.6	1562.6	1571.4	1632.7	1714.4	1755.2	1811.4	1923.8	2008.1	2020.5
152.5°	1529.6	1556.1	1582.7	1589.3	1644.6	1718.3	1755.2	1803.2	1899.1	1971.1	1980.5
155°	1584.5	1604.1	1623.8	1628.7	1670.9	1727.1	1755.2	1793.3	1869.6	1926.9	1933.1
157.5°	1625.1	1644.2	1663.3	1668.1	1697.1	1735.9	1755.2	1784.8	1844.2	1888.8	1893.2
160°	1652.5	1667.4	1682.2	1686.0	1709.0	1739.8	1755.2	1780.6	1831.5	1869.6	1872.1
162.5°	1679.9	1691.0	1702.2	1705.0	1721.7	1744.0	1755.2	1776.6	1819.5	1851.8	1854.2
165°	1709.8	1719.8	1729.9	1732.4	1740.0	1750.1	1755.2	1770.6	1801.3	1824.3	1826.8
167.5°	1737.2	1742.0	1746.8	1748.0	1754.3	1762.8	1767.0	1777.2	1797.4	1812.5	1813.5
170°	1755.2	1760.0	1764.7	1765.9	1766.3	1766.8	1767.0	1777.2	1797.4	1812.5	1812.5
172.5°	1764.7	1765.7	1766.8	1767.0	1767.0	1767.0	1767.0	1775.0	1790.9	1802.9	1801.9
175°	1777.8	1777.8	1777.8	1777.8	1774.2	1769.4	1767.0	1772.1	1782.2	1789.7	1789.7
177.5°	1777.8	1777.8	1777.8	1777.8	1775.1	1771.3	1769.4	1773.5	1781.4	1787.3	1786.3
180°	1777.8	1777.8	1777.8	1777.8	1777.8	1777.8	1777.8	1777.8	1777.8	1777.8	1777.8



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	3032.2	3032.2	3032.2	3032.2	3032.2	3032.2	3032.2	3032.2	3032.2	3032.2	3032.2
2.5°	3109.6	3101.0	3109.6	3103.9	3106.8	3098.2	3072.3	3063.7	3072.3	3080.9	3080.9
5°	3146.9	3141.2	3146.9	3146.9	3144.1	3138.3	3109.6	3103.9	3109.6	3112.5	3106.8
7.5°	3158.4	3149.8	3158.4	3152.7	3152.7	3146.9	3118.2	3112.5	3115.4	3124.0	3115.4
10°	3158.4	3149.8	3158.4	3155.5	3152.7	3146.9	3118.2	3106.8	3106.8	3115.4	3106.8
12.5°	3144.1	3138.3	3144.1	3138.3	3138.3	3132.6	3103.9	3092.4	3095.3	3098.2	3086.7
15°	3121.1	3112.5	3121.1	3115.4	3118.2	3109.6	3078.1	3066.6	3066.6	3072.3	3052.3
17.5°	3086.7	3075.2	3086.7	3083.8	3080.9	3075.2	3046.5	3035.1	3032.2	3035.1	3020.7
20°	3046.5	3037.9	3046.5	3043.7	3043.7	3032.2	3003.5	2989.2	2989.2	2989.2	2974.8
22.5°	2983.4	2974.8	2983.4	2989.2	2989.2	2986.3	2960.5	2940.4	2934.7	2934.7	2917.4
25°	2911.7	2903.1	2911.7	2911.7	2908.8	2911.7	2903.1	2891.6	2883.0	2874.4	2857.2
27.5°	2842.9	2837.1	2842.9	2837.1	2842.9	2834.3	2831.4	2828.5	2817.0	2808.4	2785.5
30°	2774.0	2768.3	2774.0	2768.3	2762.5	2756.8	2742.5	2736.7	2748.2	2742.5	2705.2
32.5°	2688.0	2682.2	2688.0	2688.0	2682.2	2682.2	2659.3	2650.7	2653.5	2670.7	2636.3
35°	2599.0	2590.4	2599.0	2596.2	2599.0	2590.4	2576.1	2573.2	2561.7	2581.8	2556.0
37.5°	2495.7	2487.1	2495.7	2495.7	2495.7	2501.4	2489.9	2481.3	2464.1	2489.9	2469.8
40°	2389.5	2378.1	2389.5	2386.7	2389.5	2395.3	2389.5	2383.8	2366.6	2386.7	2369.4
42.5°	2269.0	2266.2	2269.0	2271.9	2271.9	2283.4	2292.0	2280.5	2274.8	2260.4	2271.9
45°	2140.0	2134.2	2140.0	2145.7	2148.6	2154.3	2180.1	2180.1	2171.5	2148.6	2165.8
47.5°	2002.3	1987.9	2002.3	2019.5	2019.5	2028.1	2053.9	2074.0	2059.6	2031.0	2039.6
50°	1856.0	1858.8	1856.0	1867.4	1867.4	1899.0	1919.1	1939.2	1953.5	1919.1	1878.9
52.5°	1712.5	1709.7	1712.5	1721.1	1732.6	1747.0	1781.4	1801.5	1824.4	1804.3	1741.2
55°	1569.1	1574.8	1569.1	1572.0	1577.7	1586.3	1638.0	1658.0	1701.1	1675.3	1609.3
57.5°	1425.7	1417.1	1425.7	1431.4	1434.3	1442.9	1485.9	1523.2	1549.0	1551.9	1471.6
60°	1259.3	1247.8	1259.3	1285.1	1290.9	1296.6	1336.8	1371.2	1394.1	1402.7	1319.5
62.5°	1113.0	1092.9	1113.0	1130.2	1141.7	1156.0	1184.7	1236.4	1256.4	1259.3	1141.7
65°	958.1	949.5	958.1	992.5	995.4	1012.6	1044.2	1081.5	1124.5	1118.7	949.5
67.5°	817.5	817.5	817.5	840.5	857.7	866.3	906.5	923.7	978.2	983.9	791.7
70°	688.5	685.6	688.5	705.7	717.1	737.2	774.5	794.6	837.6	852.0	642.6
72.5°	565.1	562.2	565.1	579.5	590.9	608.1	639.7	662.6	699.9	717.1	499.1
75°	456.1	450.4	456.1	467.6	464.7	487.7	513.5	536.4	570.8	582.3	370.0
77.5°	350.0	350.0	350.0	361.4	361.4	384.4	395.9	424.5	444.6	461.8	272.5
80°	261.0	258.2	261.0	263.9	263.9	275.4	295.5	315.5	332.8	332.8	186.5
82.5°	183.6	177.9	183.6	183.6	183.6	189.3	200.8	206.5	218.0	226.6	117.6
85°	114.7	114.7	114.7	117.6	114.7	120.5	123.3	129.1	129.1	123.3	71.7
87.5°	74.6	71.7	74.6	71.7	71.7	68.8	68.8	68.8	66.0	63.1	40.2
90°	45.3	45.3	45.3	45.3	45.3	60.4	80.6	90.6	77.9	52.5	33.4
92.5°	181.6	145.5	181.6	217.7	226.7	321.4	447.6	510.7	448.4	323.8	230.3
95°	633.0	523.8	633.0	742.2	769.5	1010.6	1332.0	1492.6	1260.6	796.6	448.6
97.5°	1516.8	1308.9	1516.8	1724.7	1776.6	1928.9	2132.0	2233.6	1846.7	1073.0	492.8
100°	2185.4	1937.7	2185.4	2433.0	2494.9	2483.8	2469.0	2461.5	2032.2	1173.6	529.7
102.5°	2843.0	2631.0	2843.0	3055.1	3108.2	2914.1	2655.3	2526.0	2090.6	1219.8	566.7
105°	3681.5	3567.6	3681.5	3795.6	3824.1	3389.0	2808.9	2518.8	2097.2	1254.0	621.6
107.5°	4230.9	4258.4	4230.9	4203.2	4196.3	3589.5	2780.2	2375.6	2003.8	1260.4	702.8
110°	4440.3	4559.1	4440.3	4321.5	4291.8	3613.3	2708.6	2256.2	1921.1	1250.8	748.1





TEST NUMBER: P935130

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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	4459.0	4641.5	4459.0	4276.6	4231.0	3536.6	2610.7	2147.7	1848.9	1251.3	803.0
115°	4340.7	4593.6	4340.7	4087.7	4024.5	3355.6	2463.6	2017.7	1766.0	1262.7	885.3
117.5°	4090.0	4370.6	4090.0	3809.5	3739.4	3135.6	2330.6	1928.2	1714.2	1286.3	965.3
120°	3888.0	4160.6	3888.0	3615.5	3547.3	2995.7	2260.2	1892.4	1696.8	1305.4	1011.8
122.5°	3691.2	3960.1	3691.2	3422.4	3355.2	2858.4	2196.1	1865.0	1687.6	1332.8	1066.7
125°	3410.5	3658.2	3410.5	3162.9	3101.0	2679.1	2116.4	1835.1	1680.0	1369.7	1137.1
127.5°	3158.2	3367.1	3158.2	2949.2	2897.0	2534.7	2051.6	1810.1	1675.6	1406.8	1205.1
130°	3009.4	3202.5	3009.4	2816.5	2768.2	2445.7	2015.6	1800.5	1678.3	1433.8	1250.4
132.5°	2874.5	3047.4	2874.5	2701.6	2658.4	2369.6	1984.6	1792.1	1679.9	1455.6	1287.4
135°	2689.5	2838.6	2689.5	2540.5	2503.2	2261.4	1939.1	1777.8	1678.4	1479.5	1330.4
137.5°	2541.2	2663.2	2541.2	2419.3	2388.8	2184.3	1911.7	1775.5	1688.7	1515.3	1385.2
140°	2439.4	2553.4	2439.4	2325.4	2296.9	2120.3	1884.8	1767.0	1690.5	1537.2	1422.2
142.5°	2355.0	2453.1	2355.0	2256.9	2232.4	2077.3	1870.5	1767.0	1696.5	1555.4	1449.7
145°	2228.6	2302.8	2228.6	2154.3	2135.8	2008.9	1839.7	1755.2	1696.6	1579.3	1491.5
147.5°	2131.5	2193.0	2131.5	2070.1	2054.7	1954.8	1821.7	1755.2	1708.2	1614.3	1544.0
150°	2070.4	2120.3	2070.4	2020.5	2008.1	1923.8	1811.4	1755.2	1714.4	1632.7	1571.4
152.5°	2018.1	2055.8	2018.1	1980.5	1971.1	1899.1	1803.2	1755.2	1718.3	1644.6	1589.3
155°	1958.1	1983.0	1958.1	1933.1	1926.9	1869.6	1793.3	1755.2	1727.1	1670.9	1628.7
157.5°	1910.7	1928.2	1910.7	1893.2	1888.8	1844.2	1784.8	1755.2	1735.9	1697.1	1668.1
160°	1882.3	1892.4	1882.3	1872.1	1869.6	1831.5	1780.6	1755.2	1739.8	1709.0	1686.0
162.5°	1863.7	1873.3	1863.7	1854.2	1851.8	1819.5	1776.6	1755.2	1744.0	1721.7	1705.0
165°	1836.9	1847.0	1836.9	1826.8	1824.3	1801.3	1770.6	1755.2	1750.1	1740.0	1732.4
167.5°	1817.7	1821.9	1817.7	1813.5	1812.5	1797.4	1777.2	1767.0	1762.8	1754.3	1748.0
170°	1812.5	1812.5	1812.5	1812.5	1812.5	1797.4	1777.2	1767.0	1766.8	1766.3	1765.9
172.5°	1798.2	1794.5	1798.2	1801.9	1802.9	1790.9	1775.0	1767.0	1767.0	1767.0	1767.0
175°	1789.7	1789.7	1789.7	1789.7	1789.7	1782.2	1772.1	1767.0	1769.4	1774.2	1777.8
177.5°	1782.1	1777.8	1782.1	1786.3	1787.3	1781.4	1773.5	1769.4	1771.3	1775.1	1777.8
180°	1777.8	1777.8	1777.8	1777.8	1777.8	1777.8	1777.8	1777.8	1777.8	1777.8	1777.8



TEST NUMBER: P935130

CATALOG NUMBER: SQ4-FA-100U-075D-92765-1D-UNV-STD-W-12-6500K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	3032.2	3032.2	3032.2	3032.2	3032.2	3032.2	3032.2	3032.2	3032.2	3032.2	3032.2
2.5°	3075.2	3058.0	3058.0	3029.3	3017.8	3009.2	2994.9	2951.9	2940.4	2928.9	2946.1
5°	3101.0	3069.5	3046.5	2994.9	2951.9	2934.7	2880.1	2776.9	2708.0	2656.4	2627.7
7.5°	3106.8	3066.6	3023.6	2943.3	2840.0	2794.1	2627.7	2438.3	2386.7	2340.8	2312.1
10°	3101.0	3055.1	2994.9	2874.4	2630.6	2550.3	2383.8	2260.4	2228.9	2220.3	2228.9
12.5°	3080.9	3037.9	2954.7	2753.9	2412.5	2358.0	2260.4	2188.7	2183.0	2197.3	2274.8
15°	3046.5	3006.4	2908.8	2593.3	2292.0	2251.8	2183.0	2157.2	2188.7	2289.1	2521.5
17.5°	3012.1	2966.2	2845.7	2435.4	2200.2	2171.5	2122.7	2174.4	2352.2	2487.1	2564.6
20°	2966.2	2911.7	2774.0	2320.7	2134.2	2108.4	2085.5	2317.8	2452.6	2501.4	2544.5
22.5°	2911.7	2854.3	2676.5	2240.4	2065.4	2045.3	2059.6	2398.1	2452.6	2487.1	2524.3
25°	2840.0	2791.2	2561.7	2177.3	2010.9	1987.9	2042.4	2389.5	2421.1	2429.7	2504.3
27.5°	2774.0	2710.9	2441.2	2119.9	1944.9	1936.3	2056.8	2352.2	2375.2	2383.8	2464.1
30°	2693.7	2599.0	2306.3	2059.6	1876.1	1873.2	2059.6	2306.3	2300.6	2323.5	2403.9
32.5°	2610.5	2432.6	2154.3	1985.1	1810.1	1807.2	2039.6	2237.5	2231.8	2263.3	2323.5
35°	2533.1	2303.5	1947.8	1899.0	1726.9	1729.8	1990.8	2157.2	2160.0	2188.7	2226.0
37.5°	2452.6	2191.6	1721.1	1804.3	1646.6	1646.6	1924.8	2082.6	2076.9	2085.5	2137.1
40°	2358.0	2016.6	1520.3	1681.0	1572.0	1563.4	1844.5	2002.3	1982.2	1979.3	2051.0
42.5°	2257.6	1824.4	1371.2	1517.5	1485.9	1474.4	1747.0	1904.7	1867.4	1876.1	1967.8
45°	2148.6	1772.8	1256.4	1282.3	1397.0	1388.4	1640.8	1792.9	1767.0	1790.0	1884.7
47.5°	2039.6	1669.5	1219.1	1064.2	1302.3	1299.5	1523.2	1683.9	1669.5	1692.5	1792.9
50°	1890.4	1554.8	1216.3	912.2	1196.2	1207.7	1382.7	1577.7	1577.7	1597.8	1703.9
52.5°	1698.2	1414.2	1104.4	826.2	1072.8	1107.3	1259.3	1485.9	1491.7	1511.7	1606.4
55°	1523.2	1267.9	1024.1	760.2	926.6	1001.1	1138.8	1391.3	1402.7	1422.8	1508.9
57.5°	1362.6	1055.6	1006.9	682.7	791.7	863.4	1032.7	1299.5	1305.2	1322.4	1405.6
60°	1190.5	763.0	923.7	599.5	674.1	728.6	935.2	1190.5	1210.5	1222.0	1293.7
62.5°	995.4	553.6	837.6	542.2	616.7	628.2	854.8	1087.2	1113.0	1121.6	1164.6
65°	708.5	464.7	711.4	493.4	556.5	559.4	768.8	981.1	1004.0	1018.3	1049.9
67.5°	479.1	378.7	542.2	447.5	510.6	513.5	685.6	857.7	889.3	900.7	920.8
70°	332.8	252.4	401.6	398.7	459.0	464.7	596.7	745.8	774.5	783.1	794.6
72.5°	243.8	203.7	332.8	358.6	404.5	410.2	504.9	619.6	648.3	656.9	662.6
75°	186.5	215.1	269.6	312.7	344.2	347.1	413.1	504.9	524.9	530.7	533.6
77.5°	149.2	200.8	197.9	252.4	281.1	275.4	324.1	390.1	407.3	407.3	407.3
80°	111.9	157.8	149.2	180.7	206.5	200.8	232.4	278.3	284.0	289.7	286.9
82.5°	83.2	100.4	100.4	114.7	137.7	132.0	154.9	180.7	180.7	180.7	186.5
85°	51.6	57.4	45.9	60.2	77.5	74.6	86.1	97.5	100.4	100.4	94.7
87.5°	31.6	25.8	14.3	22.9	34.4	34.4	40.2	43.0	40.2	40.2	40.2
90°	31.0	21.5	12.0	21.5	31.0	33.4	52.5	77.9	90.6	80.6	60.4
92.5°	210.0	128.8	47.7	128.8	210.0	230.3	323.8	448.4	510.7	447.6	321.4
95°	411.5	263.0	114.6	263.0	411.5	448.6	796.6	1260.6	1492.6	1332.0	1010.6
97.5°	460.0	329.0	198.0	329.0	460.0	492.8	1073.0	1846.7	2233.6	2132.0	1928.9
100°	500.0	381.2	262.5	381.2	500.0	529.7	1173.6	2032.2	2461.5	2469.0	2483.8
102.5°	539.0	428.2	317.4	428.2	539.0	566.7	1219.8	2090.6	2526.0	2655.3	2914.1
105°	598.2	504.3	410.5	504.3	598.2	621.6	1254.0	2097.2	2518.8	2808.9	3389.0
107.5°	680.9	593.4	505.9	593.4	680.9	702.8	1260.4	2003.8	2375.6	2780.2	3589.5
110°	728.3	649.4	570.4	649.4	728.3	748.1	1250.8	1921.1	2256.2	2708.6	3613.3



TEST NUMBER: P935130

CATALOG NUMBER: SQ4-FA-100U-075D-92765-1D-UNV-STD-W-12-6500K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	784.2	708.9	633.6	708.9	784.2	803.0	1251.3	1848.9	2147.7	2610.7	3536.6
115°	867.9	798.5	729.0	798.5	867.9	885.3	1262.7	1766.0	2017.7	2463.6	3355.6
117.5°	949.5	886.4	823.3	886.4	949.5	965.3	1286.3	1714.2	1928.2	2330.6	3135.6
120°	997.0	937.5	878.2	937.5	997.0	1011.8	1305.4	1696.8	1892.4	2260.2	2995.7
122.5°	1051.7	991.9	931.9	991.9	1051.7	1066.7	1332.8	1687.6	1865.0	2196.1	2858.4
125°	1123.4	1068.8	1014.2	1068.8	1123.4	1137.1	1369.7	1680.0	1835.1	2116.4	2679.1
127.5°	1191.3	1136.1	1081.0	1136.1	1191.3	1205.1	1406.8	1675.6	1810.1	2051.6	2534.7
130°	1235.6	1176.2	1116.8	1176.2	1235.6	1250.4	1433.8	1678.3	1800.5	2015.6	2445.7
132.5°	1272.6	1213.2	1153.8	1213.2	1272.6	1287.4	1455.6	1679.9	1792.1	1984.6	2369.6
135°	1316.9	1262.7	1208.7	1262.7	1316.9	1330.4	1479.5	1678.4	1777.8	1939.1	2261.4
137.5°	1371.9	1318.3	1264.8	1318.3	1371.9	1385.2	1515.3	1688.7	1775.5	1911.7	2184.3
140°	1409.9	1360.7	1311.3	1360.7	1409.9	1422.2	1537.2	1690.5	1767.0	1884.8	2120.3
142.5°	1438.3	1392.7	1347.1	1392.7	1438.3	1449.7	1555.4	1696.5	1767.0	1870.5	2077.3
145°	1481.5	1441.7	1402.0	1441.7	1481.5	1491.5	1579.3	1696.6	1755.2	1839.7	2008.9
147.5°	1534.3	1495.6	1456.9	1495.6	1534.3	1544.0	1614.3	1708.2	1755.2	1821.7	1954.8
150°	1562.6	1527.6	1492.6	1527.6	1562.6	1571.4	1632.7	1714.4	1755.2	1811.4	1923.8
152.5°	1582.7	1556.1	1529.6	1556.1	1582.7	1589.3	1644.6	1718.3	1755.2	1803.2	1899.1
155°	1623.8	1604.1	1584.5	1604.1	1623.8	1628.7	1670.9	1727.1	1755.2	1793.3	1869.6
157.5°	1663.3	1644.2	1625.1	1644.2	1663.3	1668.1	1697.1	1735.9	1755.2	1784.8	1844.2
160°	1682.2	1667.4	1652.5	1667.4	1682.2	1686.0	1709.0	1739.8	1755.2	1780.6	1831.5
162.5°	1702.2	1691.0	1679.9	1691.0	1702.2	1705.0	1721.7	1744.0	1755.2	1776.6	1819.5
165°	1729.9	1719.8	1709.8	1719.8	1729.9	1732.4	1740.0	1750.1	1755.2	1770.6	1801.3
167.5°	1746.8	1742.0	1737.2	1742.0	1746.8	1748.0	1754.3	1762.8	1767.0	1777.2	1797.4
170°	1764.7	1760.0	1755.2	1760.0	1764.7	1765.9	1766.3	1766.8	1767.0	1777.2	1797.4
172.5°	1766.8	1765.7	1764.7	1765.7	1766.8	1767.0	1767.0	1767.0	1767.0	1775.0	1790.9
175°	1777.8	1777.8	1777.8	1777.8	1777.8	1777.8	1777.8	1774.2	1769.4	1772.1	1782.2
177.5°	1777.8	1777.8	1777.8	1777.8	1777.8	1777.8	1775.1	1771.3	1769.4	1773.5	1781.4
180°	1777.8	1777.8	1777.8	1777.8	1777.8	1777.8	1777.8	1777.8	1777.8	1777.8	1777.8



TEST NUMBER: P935130

CATALOG NUMBER: SQ4-FA-100U-075D-92765-1D-UNV-STD-W-12-6500K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	3032.2	3032.2	3032.2	3032.2	3032.2	3032.2	3032.2	3032.2	3032.2	3032.2	3032.2
2.5°	2926.0	2917.4	2928.9	2897.4	2928.9	2917.4	2926.0	2946.1	2928.9	2940.4	2951.9
5°	2567.5	2553.1	2507.1	2469.8	2507.1	2553.1	2567.5	2627.7	2656.4	2708.0	2776.9
7.5°	2294.9	2283.4	2271.9	2249.0	2271.9	2283.4	2294.9	2312.1	2340.8	2386.7	2438.3
10°	2234.6	2237.5	2254.7	2251.8	2254.7	2237.5	2234.6	2228.9	2220.3	2228.9	2260.4
12.5°	2389.5	2415.3	2510.0	2504.3	2510.0	2415.3	2389.5	2274.8	2197.3	2183.0	2188.7
15°	2567.5	2576.1	2596.2	2599.0	2596.2	2576.1	2567.5	2521.5	2289.1	2188.7	2157.2
17.5°	2584.7	2587.6	2601.9	2601.9	2601.9	2587.6	2584.7	2564.6	2487.1	2352.2	2174.4
20°	2570.3	2576.1	2604.8	2610.5	2604.8	2576.1	2570.3	2544.5	2501.4	2452.6	2317.8
22.5°	2564.6	2576.1	2599.0	2596.2	2599.0	2576.1	2564.6	2524.3	2487.1	2452.6	2398.1
25°	2535.9	2535.9	2538.8	2541.7	2538.8	2535.9	2535.9	2504.3	2429.7	2421.1	2389.5
27.5°	2475.6	2481.3	2498.5	2495.7	2498.5	2481.3	2475.6	2464.1	2383.8	2375.2	2352.2
30°	2421.1	2415.3	2401.0	2389.5	2401.0	2415.3	2421.1	2403.9	2323.5	2300.6	2306.3
32.5°	2329.3	2314.9	2300.6	2292.0	2300.6	2314.9	2329.3	2323.5	2263.3	2231.8	2237.5
35°	2220.3	2223.1	2220.3	2211.7	2220.3	2223.1	2220.3	2226.0	2188.7	2160.0	2157.2
37.5°	2142.8	2148.6	2145.7	2134.2	2145.7	2148.6	2142.8	2137.1	2085.5	2076.9	2082.6
40°	2062.5	2065.4	2062.5	2053.9	2062.5	2065.4	2062.5	2051.0	1979.3	1982.2	2002.3
42.5°	1985.1	1982.2	1973.6	1967.8	1973.6	1982.2	1985.1	1967.8	1876.1	1867.4	1904.7
45°	1896.1	1899.0	1881.8	1873.2	1881.8	1899.0	1896.1	1884.7	1790.0	1767.0	1792.9
47.5°	1807.2	1807.2	1792.9	1784.3	1792.9	1807.2	1807.2	1792.9	1692.5	1669.5	1683.9
50°	1712.5	1709.7	1689.6	1686.7	1689.6	1709.7	1712.5	1703.9	1597.8	1577.7	1577.7
52.5°	1603.5	1603.5	1606.4	1612.1	1606.4	1603.5	1603.5	1606.4	1511.7	1491.7	1485.9
55°	1508.9	1511.7	1531.8	1537.6	1531.8	1511.7	1508.9	1508.9	1422.8	1402.7	1391.3
57.5°	1411.3	1411.3	1425.7	1425.7	1425.7	1411.3	1411.3	1405.6	1322.4	1305.2	1299.5
60°	1299.5	1305.2	1316.7	1313.8	1316.7	1305.2	1299.5	1293.7	1222.0	1210.5	1190.5
62.5°	1181.9	1187.6	1190.5	1184.7	1190.5	1187.6	1181.9	1164.6	1121.6	1113.0	1087.2
65°	1058.5	1064.2	1067.1	1061.4	1067.1	1064.2	1058.5	1049.9	1018.3	1004.0	981.1
67.5°	932.3	929.4	926.6	938.0	926.6	929.4	932.3	920.8	900.7	889.3	857.7
70°	803.2	803.2	800.3	806.1	800.3	803.2	803.2	794.6	783.1	774.5	745.8
72.5°	665.5	662.6	674.1	665.5	674.1	662.6	665.5	662.6	656.9	648.3	619.6
75°	530.7	536.4	530.7	539.3	530.7	536.4	530.7	533.6	530.7	524.9	504.9
77.5°	404.5	410.2	404.5	404.5	404.5	410.2	404.5	407.3	407.3	407.3	390.1
80°	286.9	284.0	284.0	281.1	284.0	284.0	286.9	286.9	289.7	284.0	278.3
82.5°	183.6	180.7	180.7	186.5	180.7	180.7	183.6	186.5	180.7	180.7	180.7
85°	100.4	103.3	97.5	97.5	97.5	103.3	100.4	94.7	100.4	100.4	97.5
87.5°	37.3	34.4	34.4	34.4	34.4	34.4	37.3	40.2	40.2	40.2	43.0
90°	45.3	45.3	45.3	45.3	45.3	45.3	45.3	60.4	80.6	90.6	77.9
92.5°	226.7	217.7	181.6	145.5	181.6	217.7	226.7	321.4	447.6	510.7	448.4
95°	769.5	742.2	633.0	523.8	633.0	742.2	769.5	1010.6	1332.0	1492.6	1260.6
97.5°	1776.6	1724.7	1516.8	1308.9	1516.8	1724.7	1776.6	1928.9	2132.0	2233.6	1846.7
100°	2494.9	2433.0	2185.4	1937.7	2185.4	2433.0	2494.9	2483.8	2469.0	2461.5	2032.2
102.5°	3108.2	3055.1	2843.0	2631.0	2843.0	3055.1	3108.2	2914.1	2655.3	2526.0	2090.6
105°	3824.1	3795.6	3681.5	3567.6	3681.5	3795.6	3824.1	3389.0	2808.9	2518.8	2097.2
107.5°	4196.3	4203.2	4230.9	4258.4	4230.9	4203.2	4196.3	3589.5	2780.2	2375.6	2003.8
110°	4291.8	4321.5	4440.3	4559.1	4440.3	4321.5	4291.8	3613.3	2708.6	2256.2	1921.1



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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	4231.0	4276.6	4459.0	4641.5	4459.0	4276.6	4231.0	3536.6	2610.7	2147.7	1848.9
115°	4024.5	4087.7	4340.7	4593.6	4340.7	4087.7	4024.5	3355.6	2463.6	2017.7	1766.0
117.5°	3739.4	3809.5	4090.0	4370.6	4090.0	3809.5	3739.4	3135.6	2330.6	1928.2	1714.2
120°	3547.3	3615.5	3888.0	4160.6	3888.0	3615.5	3547.3	2995.7	2260.2	1892.4	1696.8
122.5°	3355.2	3422.4	3691.2	3960.1	3691.2	3422.4	3355.2	2858.4	2196.1	1865.0	1687.6
125°	3101.0	3162.9	3410.5	3658.2	3410.5	3162.9	3101.0	2679.1	2116.4	1835.1	1680.0
127.5°	2897.0	2949.2	3158.2	3367.1	3158.2	2949.2	2897.0	2534.7	2051.6	1810.1	1675.6
130°	2768.2	2816.5	3009.4	3202.5	3009.4	2816.5	2768.2	2445.7	2015.6	1800.5	1678.3
132.5°	2658.4	2701.6	2874.5	3047.4	2874.5	2701.6	2658.4	2369.6	1984.6	1792.1	1679.9
135°	2503.2	2540.5	2689.5	2838.6	2689.5	2540.5	2503.2	2261.4	1939.1	1777.8	1678.4
137.5°	2388.8	2419.3	2541.2	2663.2	2541.2	2419.3	2388.8	2184.3	1911.7	1775.5	1688.7
140°	2296.9	2325.4	2439.4	2553.4	2439.4	2325.4	2296.9	2120.3	1884.8	1767.0	1690.5
142.5°	2232.4	2256.9	2355.0	2453.1	2355.0	2256.9	2232.4	2077.3	1870.5	1767.0	1696.5
145°	2135.8	2154.3	2228.6	2302.8	2228.6	2154.3	2135.8	2008.9	1839.7	1755.2	1696.6
147.5°	2054.7	2070.1	2131.5	2193.0	2131.5	2070.1	2054.7	1954.8	1821.7	1755.2	1708.2
150°	2008.1	2020.5	2070.4	2120.3	2070.4	2020.5	2008.1	1923.8	1811.4	1755.2	1714.4
152.5°	1971.1	1980.5	2018.1	2055.8	2018.1	1980.5	1971.1	1899.1	1803.2	1755.2	1718.3
155°	1926.9	1933.1	1958.1	1983.0	1958.1	1933.1	1926.9	1869.6	1793.3	1755.2	1727.1
157.5°	1888.8	1893.2	1910.7	1928.2	1910.7	1893.2	1888.8	1844.2	1784.8	1755.2	1735.9
160°	1869.6	1872.1	1882.3	1892.4	1882.3	1872.1	1869.6	1831.5	1780.6	1755.2	1739.8
162.5°	1851.8	1854.2	1863.7	1873.3	1863.7	1854.2	1851.8	1819.5	1776.6	1755.2	1744.0
165°	1824.3	1826.8	1836.9	1847.0	1836.9	1826.8	1824.3	1801.3	1770.6	1755.2	1750.1
167.5°	1812.5	1813.5	1817.7	1821.9	1817.7	1813.5	1812.5	1797.4	1777.2	1767.0	1762.8
170°	1812.5	1812.5	1812.5	1812.5	1812.5	1812.5	1812.5	1797.4	1777.2	1767.0	1766.8
172.5°	1802.9	1801.9	1798.2	1794.5	1798.2	1801.9	1802.9	1790.9	1775.0	1767.0	1767.0
175°	1789.7	1789.7	1789.7	1789.7	1789.7	1789.7	1789.7	1782.2	1772.1	1767.0	1769.4
177.5°	1787.3	1786.3	1782.1	1777.8	1782.1	1786.3	1787.3	1781.4	1773.5	1769.4	1771.3
180°	1777.8	1777.8	1777.8	1777.8	1777.8	1777.8	1777.8	1777.8	1777.8	1777.8	1777.8



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	3032.2	3032.2	3032.2	3032.2	3032.2
2.5°	2994.9	3009.2	3017.8	3029.3	3058.0
5°	2880.1	2934.7	2951.9	2994.9	3046.5
7.5°	2627.7	2794.1	2840.0	2943.3	3023.6
10°	2383.8	2550.3	2630.6	2874.4	2994.9
12.5°	2260.4	2358.0	2412.5	2753.9	2954.7
15°	2183.0	2251.8	2292.0	2593.3	2908.8
17.5°	2122.7	2171.5	2200.2	2435.4	2845.7
20°	2085.5	2108.4	2134.2	2320.7	2774.0
22.5°	2059.6	2045.3	2065.4	2240.4	2676.5
25°	2042.4	1987.9	2010.9	2177.3	2561.7
27.5°	2056.8	1936.3	1944.9	2119.9	2441.2
30°	2059.6	1873.2	1876.1	2059.6	2306.3
32.5°	2039.6	1807.2	1810.1	1985.1	2154.3
35°	1990.8	1729.8	1726.9	1899.0	1947.8
37.5°	1924.8	1646.6	1646.6	1804.3	1721.1
40°	1844.5	1563.4	1572.0	1681.0	1520.3
42.5°	1747.0	1474.4	1485.9	1517.5	1371.2
45°	1640.8	1388.4	1397.0	1282.3	1256.4
47.5°	1523.2	1299.5	1302.3	1064.2	1219.1
50°	1382.7	1207.7	1196.2	912.2	1216.3
52.5°	1259.3	1107.3	1072.8	826.2	1104.4
55°	1138.8	1001.1	926.6	760.2	1024.1
57.5°	1032.7	863.4	791.7	682.7	1006.9
60°	935.2	728.6	674.1	599.5	923.7
62.5°	854.8	628.2	616.7	542.2	837.6
65°	768.8	559.4	556.5	493.4	711.4
67.5°	685.6	513.5	510.6	447.5	542.2
70°	596.7	464.7	459.0	398.7	401.6
72.5°	504.9	410.2	404.5	358.6	332.8
75°	413.1	347.1	344.2	312.7	269.6
77.5°	324.1	275.4	281.1	252.4	197.9
80°	232.4	200.8	206.5	180.7	149.2
82.5°	154.9	132.0	137.7	114.7	100.4
85°	86.1	74.6	77.5	60.2	45.9
87.5°	40.2	34.4	34.4	22.9	14.3
90°	52.5	33.4	31.0	21.5	12.0
92.5°	323.8	230.3	210.0	128.8	47.7
95°	796.6	448.6	411.5	263.0	114.6
97.5°	1073.0	492.8	460.0	329.0	198.0
100°	1173.6	529.7	500.0	381.2	262.5
102.5°	1219.8	566.7	539.0	428.2	317.4
105°	1254.0	621.6	598.2	504.3	410.5
107.5°	1260.4	702.8	680.9	593.4	505.9
110°	1250.8	748.1	728.3	649.4	570.4



TEST NUMBER: P935130

CATALOG NUMBER: SQ4-FA-100U-075D-92765-1D-UNV-STD-W-12-6500K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	1251.3	803.0	784.2	708.9	633.6
115°	1262.7	885.3	867.9	798.5	729.0
117.5°	1286.3	965.3	949.5	886.4	823.3
120°	1305.4	1011.8	997.0	937.5	878.2
122.5°	1332.8	1066.7	1051.7	991.9	931.9
125°	1369.7	1137.1	1123.4	1068.8	1014.2
127.5°	1406.8	1205.1	1191.3	1136.1	1081.0
130°	1433.8	1250.4	1235.6	1176.2	1116.8
132.5°	1455.6	1287.4	1272.6	1213.2	1153.8
135°	1479.5	1330.4	1316.9	1262.7	1208.7
137.5°	1515.3	1385.2	1371.9	1318.3	1264.8
140°	1537.2	1422.2	1409.9	1360.7	1311.3
142.5°	1555.4	1449.7	1438.3	1392.7	1347.1
145°	1579.3	1491.5	1481.5	1441.7	1402.0
147.5°	1614.3	1544.0	1534.3	1495.6	1456.9
150°	1632.7	1571.4	1562.6	1527.6	1492.6
152.5°	1644.6	1589.3	1582.7	1556.1	1529.6
155°	1670.9	1628.7	1623.8	1604.1	1584.5
157.5°	1697.1	1668.1	1663.3	1644.2	1625.1
160°	1709.0	1686.0	1682.2	1667.4	1652.5
162.5°	1721.7	1705.0	1702.2	1691.0	1679.9
165°	1740.0	1732.4	1729.9	1719.8	1709.8
167.5°	1754.3	1748.0	1746.8	1742.0	1737.2
170°	1766.3	1765.9	1764.7	1760.0	1755.2
172.5°	1767.0	1767.0	1766.8	1765.7	1764.7
175°	1774.2	1777.8	1777.8	1777.8	1777.8
177.5°	1775.1	1777.8	1777.8	1777.8	1777.8
180°	1777.8	1777.8	1777.8	1777.8	1777.8



TEST NUMBER: P935130  
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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	11.65	12.43	12.68	13.47	14.87	14.50	15.28	15.54	16.32	17.72
	3H	12.12	12.82	13.16	13.87	15.29	15.85	16.55	16.89	17.60	19.02
	4H	12.31	12.97	13.36	14.02	15.45	16.29	16.96	17.35	18.01	19.43
	6H	12.42	13.03	13.49	14.09	15.53	16.58	17.19	17.64	18.25	19.68
	8H	12.42	13.00	13.49	14.08	15.51	16.65	17.24	17.72	18.31	19.74
	12H	12.39	12.94	13.47	14.01	15.47	16.69	17.25	17.77	18.31	19.77
4H	2H	12.68	13.34	13.74	14.39	15.82	14.90	15.56	15.96	16.62	18.04
	3H	13.70	14.25	14.77	15.33	16.77	16.40	16.96	17.47	18.04	19.48
	4H	13.97	14.48	15.05	15.55	17.01	16.93	17.44	18.01	18.51	19.97
	6H	14.09	14.53	15.18	15.62	17.07	17.30	17.74	18.39	18.83	20.28
	8H	14.09	14.50	15.18	15.59	17.06	17.41	17.81	18.49	18.90	20.37
	12H	14.06	14.43	15.16	15.52	17.00	17.46	17.83	18.57	18.93	20.41
8H	4H	14.42	14.83	15.51	15.91	17.38	17.05	17.46	18.14	18.54	20.01
	6H	14.68	15.02	15.79	16.14	17.61	17.49	17.83	18.60	18.95	20.42
	8H	14.72	15.02	15.84	16.13	17.61	17.64	17.94	18.76	19.05	20.54
	12H	14.70	14.96	15.82	16.07	17.59	17.74	18.00	18.86	19.11	20.63
12H	4H	14.42	14.79	15.53	15.89	17.37	17.01	17.38	18.11	18.48	19.95
	6H	14.74	15.04	15.85	16.14	17.63	17.49	17.78	18.60	18.89	20.38
	8H	14.80	15.06	15.92	16.17	17.69	17.65	17.91	18.77	19.01	20.54