

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: P935180

Luminaire Tested: SQ4-FA-100U-075D-B2750-1D-UNV-STD-W-12-4000K

Issue Date: 12/17/2024

**Test Information**

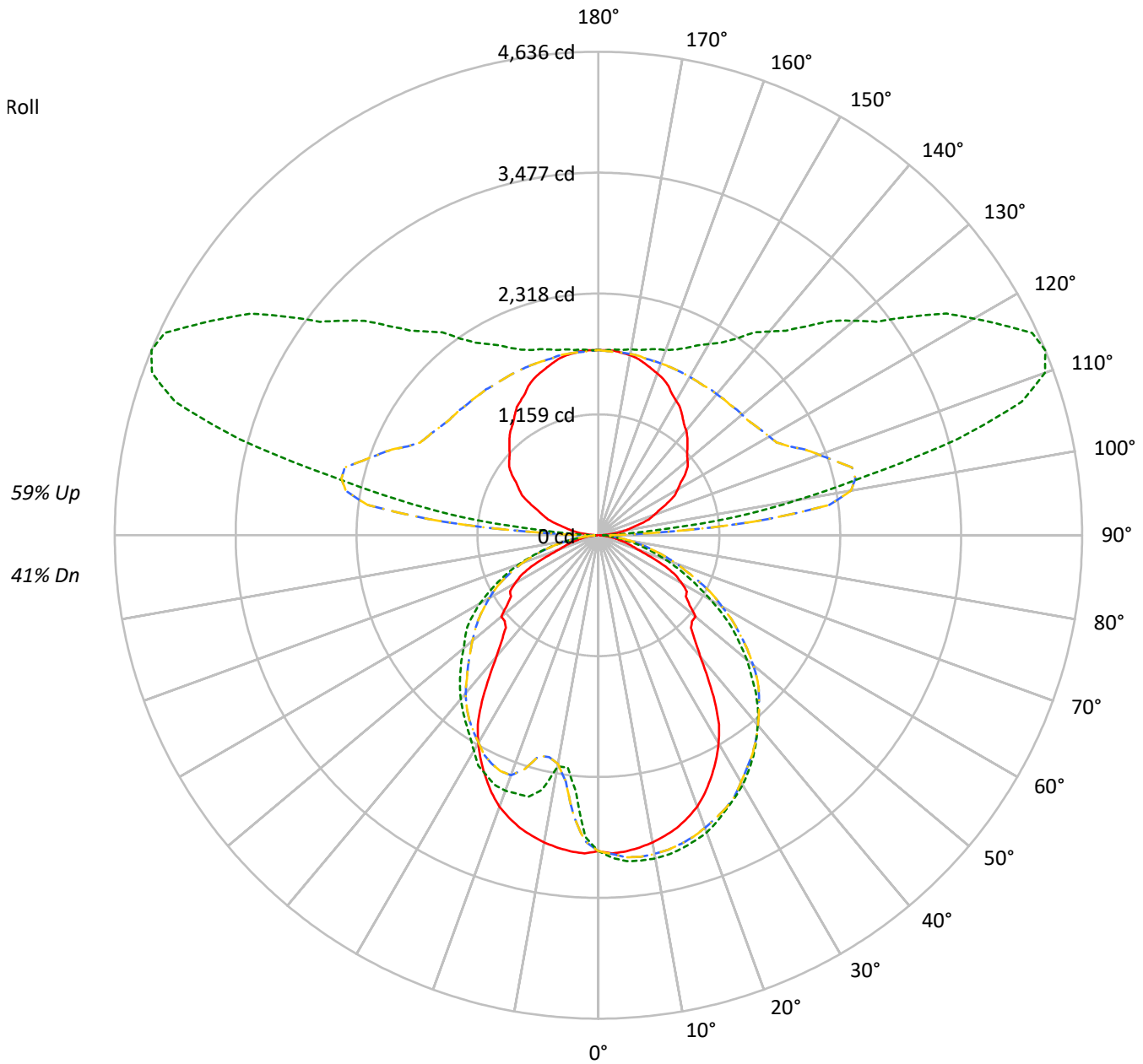
Test Method: LM-79-2019  
Report Number: P935180  
REPORT IS A COMBINATION OF REPORTS P933741 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-100U-075D-B2750-1D-UNV-STD-W-12-4000K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 19369.2 lumens  
Efficiency: N/A  
Efficacy: 131.2 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-B2750-1D-UNV-STD-W-12-4000K

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

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

	0°	90°	180°	270°
0°	9367	9367	9367	9367
5°	9440	9456	9440	7435
10°	9381	9314	9381	6659
15°	9282	9112	9282	7609
20°	9092	8873	9092	7625
25°	8698	8525	8698	7463
30°	8188	8235	8188	7108
35°	7303	7869	7303	6719
40°	6088	7438	6088	6424
45°	5444	6933	5444	6085
50°	5788	6332	5788	5745
55°	5451	5683	5451	5548
60°	5626	4827	5626	5082
65°	5109	3990	5109	4460
70°	3546	3180	3546	3739
75°	3121	2351	3121	2815
80°	2534	1554	2534	1692
85°	1484	823	1484	700

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 8338 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	273.4	1.4
10°-20°	776.2	4.0
20°-30°	1199.8	6.2
30°-40°	1432.3	7.4
40°-50°	1440.7	7.4
50°-60°	1253.5	6.5
60°-70°	888.8	4.6
70°-80°	470.2	2.4
80°-90°	123.9	0.6
90°-100°	865.5	4.5
100°-110°	2275.5	11.7
110°-120°	2359.4	12.2
120°-130°	1892.6	9.8
130°-140°	1485.0	7.7
140°-150°	1139.8	5.9
150°-160°	820.8	4.2
160°-170°	502.2	2.6
170°-180°	169.7	0.9
0°-30°	2249.3	11.6
0°-40°	3681.6	19.0
0°-60°	6375.8	32.9
0°-90°	7858.7	40.6
90°-120°	5500.5	28.4
90°-150°	10017.8	51.7
90°-180°	11511.0	59.4
0°-180°	19369.2	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	3028	3028	3028	3028	3028	
5°	3043	3137	3043	2467	3043	289
15°	2905	3109	2905	2596	2905	817
25°	2558	2900	2558	2538	2558	1175
35°	1945	2587	1945	2209	1945	1204
45°	1255	2132	1255	1871	1255	1005
55°	1023	1573	1023	1536	1023	940
65°	710	948	710	1060	710	679
75°	269	450	269	539	269	283
85°	46	115	46	97	46	62
90°	12	45	12	45	12	12
95°	114	523	114	523	114	127
105°	410	3563	410	3563	410	435
115°	728	4588	728	4588	728	719
125°	1013	3654	1013	3654	1013	899
135°	1207	2835	1207	2835	1207	934
145°	1400	2300	1400	2300	1400	877
155°	1582	1981	1582	1981	1582	727
165°	1708	1845	1708	1845	1708	482
175°	1776	1788	1776	1788	1776	169
180°	1776	1776	1776	1776	1776	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	3028.4	3028.4	3028.4	3028.4	3028.4	3028.4	3028.4	3028.4	3028.4	3028.4	3028.4
2.5°	3054.2	3054.2	3071.4	3077.1	3077.1	3068.5	3059.9	3068.5	3094.3	3102.9	3100.0
5°	3042.7	3065.6	3097.2	3102.9	3108.6	3105.8	3100.0	3105.8	3134.4	3140.1	3143.0
7.5°	3019.8	3062.8	3102.9	3111.5	3120.1	3111.5	3108.6	3114.4	3143.0	3148.7	3148.7
10°	2991.2	3051.3	3097.2	3102.9	3111.5	3102.9	3102.9	3114.4	3143.0	3148.7	3151.6
12.5°	2951.0	3034.1	3077.1	3082.8	3094.3	3091.4	3088.6	3100.0	3128.7	3134.4	3134.4
15°	2905.2	3002.6	3042.7	3048.5	3068.5	3062.8	3062.8	3074.2	3105.8	3114.4	3111.5
17.5°	2842.2	2962.5	3008.3	3016.9	3031.3	3028.4	3031.3	3042.7	3071.4	3077.1	3080.0
20°	2770.6	2908.1	2962.5	2971.1	2985.4	2985.4	2985.4	2999.8	3028.4	3039.9	3039.9
22.5°	2673.1	2850.8	2908.1	2913.8	2931.0	2931.0	2936.7	2956.8	2982.6	2985.4	2985.4
25°	2558.5	2787.7	2836.4	2853.6	2870.8	2879.4	2888.0	2899.5	2908.1	2905.2	2908.1
27.5°	2438.1	2707.5	2770.6	2782.0	2804.9	2813.5	2825.0	2827.9	2830.7	2839.3	2833.6
30°	2303.5	2595.8	2690.3	2701.8	2739.0	2744.8	2733.3	2739.0	2753.4	2759.1	2764.8
32.5°	2151.6	2429.5	2607.2	2633.0	2667.4	2650.2	2647.4	2656.0	2678.9	2678.9	2684.6
35°	1945.3	2300.6	2529.9	2552.8	2578.6	2558.5	2570.0	2572.9	2587.2	2595.8	2592.9
37.5°	1719.0	2188.9	2449.6	2466.8	2486.8	2461.0	2478.2	2486.8	2498.3	2492.5	2492.5
40°	1518.4	2014.1	2355.0	2366.5	2383.7	2363.6	2380.8	2386.5	2392.3	2386.5	2383.7
42.5°	1369.5	1822.1	2254.8	2269.1	2257.6	2271.9	2277.7	2289.1	2280.5	2269.1	2269.1
45°	1254.9	1770.6	2145.9	2163.1	2145.9	2168.8	2177.4	2177.4	2151.6	2145.9	2143.0
47.5°	1217.6	1667.4	2037.0	2037.0	2028.4	2057.1	2071.4	2051.3	2025.6	2017.0	2017.0
50°	1214.8	1552.8	1888.0	1876.6	1916.7	1951.1	1936.7	1916.7	1896.6	1865.1	1865.1
52.5°	1103.0	1412.4	1696.1	1739.1	1802.1	1822.1	1799.2	1779.2	1744.8	1730.5	1719.0
55°	1022.8	1266.3	1521.3	1607.3	1673.2	1698.9	1656.0	1635.9	1584.3	1575.8	1570.0
57.5°	1005.6	1054.3	1360.9	1469.7	1550.0	1547.1	1521.3	1484.1	1441.1	1432.5	1429.6
60°	922.5	762.1	1189.0	1317.9	1401.0	1392.4	1369.5	1335.1	1295.0	1289.2	1283.5
62.5°	836.6	552.9	994.2	1140.3	1257.7	1254.9	1234.8	1183.2	1154.6	1140.3	1128.8
65°	710.5	464.1	707.7	948.3	1117.4	1123.1	1080.1	1042.9	1011.3	994.2	991.3
67.5°	541.5	378.2	478.5	790.7	982.7	977.0	922.5	905.3	865.2	856.6	839.4
70°	401.1	252.1	332.3	641.8	850.9	836.6	793.6	773.6	736.3	716.2	704.8
72.5°	332.3	203.4	243.5	498.5	716.2	699.1	661.8	638.9	607.4	590.2	578.7
75°	269.3	214.9	186.2	369.6	581.6	570.1	535.8	512.8	487.0	464.1	467.0
77.5°	197.7	200.5	149.0	272.2	461.3	444.1	424.0	395.4	383.9	361.0	361.0
80°	149.0	157.6	111.7	186.2	332.3	332.3	315.2	295.1	275.0	263.6	263.6
82.5°	100.3	100.3	83.1	117.5	226.3	217.7	206.3	200.5	189.1	183.4	183.4
85°	45.8	57.3	51.6	71.6	123.2	128.9	128.9	123.2	120.3	114.6	117.5
87.5°	14.3	25.8	31.5	40.1	63.0	65.9	68.8	68.8	68.8	71.6	71.6
90°	11.9	21.5	30.9	33.3	52.4	77.8	90.5	80.5	60.4	45.3	45.3
92.5°	47.7	128.6	209.7	230.0	323.4	447.8	510.1	447.0	321.0	226.4	217.5
95°	114.4	262.7	411.0	448.1	795.6	1259.1	1490.8	1330.3	1009.3	768.6	741.3
97.5°	197.8	328.6	459.5	492.2	1071.7	1844.4	2230.8	2129.4	1926.5	1774.4	1722.5
100°	262.1	380.8	499.4	529.1	1172.2	2029.7	2458.5	2465.9	2480.7	2491.8	2430.0
102.5°	317.0	427.6	538.3	566.0	1218.3	2088.0	2522.8	2652.0	2910.5	3104.3	3051.3
105°	410.0	503.7	597.4	620.8	1252.5	2094.6	2515.7	2805.4	3384.8	3819.3	3790.9
107.5°	505.3	592.7	680.1	701.9	1258.8	2001.3	2372.6	2776.8	3585.0	4191.1	4198.0
110°	569.7	648.5	727.4	747.2	1249.2	1918.7	2253.4	2705.2	3608.8	4286.4	4316.1



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	632.8	708.0	783.2	802.0	1249.7	1846.6	2145.0	2607.4	3532.2	4225.7	4271.2
115°	728.1	797.5	866.9	884.2	1261.2	1763.8	2015.1	2460.6	3351.4	4019.5	4082.6
117.5°	822.3	885.3	948.3	964.1	1284.7	1712.0	1925.8	2327.7	3131.7	3734.7	3804.7
120°	877.1	936.4	995.8	1010.6	1303.8	1694.6	1890.0	2257.3	2991.9	3542.9	3611.0
122.5°	930.7	990.6	1050.4	1065.4	1331.2	1685.5	1862.6	2193.3	2854.9	3351.0	3418.1
125°	1013.0	1067.5	1122.0	1135.7	1368.0	1677.9	1832.8	2113.8	2675.7	3097.2	3158.9
127.5°	1079.6	1134.7	1189.8	1203.6	1405.0	1673.5	1807.8	2049.0	2531.5	2893.4	2945.5
130°	1115.4	1174.7	1234.1	1248.9	1432.0	1676.2	1798.3	2013.0	2442.6	2764.7	2813.0
132.5°	1152.4	1211.7	1271.0	1285.8	1453.8	1677.8	1789.9	1982.1	2366.7	2655.1	2698.3
135°	1207.2	1261.2	1315.2	1328.7	1477.7	1676.3	1775.6	1936.6	2258.6	2500.1	2537.3
137.5°	1263.2	1316.7	1370.1	1383.5	1513.4	1686.6	1773.2	1909.3	2181.6	2385.8	2416.2
140°	1309.7	1359.0	1408.1	1420.5	1535.3	1688.3	1764.8	1882.4	2117.6	2294.0	2322.5
142.5°	1345.4	1391.0	1436.5	1447.9	1553.5	1694.4	1764.8	1868.2	2074.7	2229.6	2254.1
145°	1400.2	1439.9	1479.7	1489.6	1577.4	1694.5	1753.0	1837.4	2006.4	2133.1	2151.6
147.5°	1455.0	1493.7	1532.4	1542.0	1612.3	1706.1	1753.0	1819.5	1952.4	2052.1	2067.5
150°	1490.8	1525.7	1560.7	1569.4	1630.7	1712.2	1753.0	1809.2	1921.4	2005.6	2018.0
152.5°	1527.7	1554.2	1580.7	1587.3	1642.5	1716.1	1753.0	1800.9	1896.7	1968.6	1978.0
155°	1582.5	1602.1	1621.8	1626.7	1668.8	1724.9	1753.0	1791.1	1867.3	1924.5	1930.7
157.5°	1623.0	1642.1	1661.2	1666.0	1695.0	1733.7	1753.0	1782.6	1841.9	1886.4	1890.8
160°	1650.4	1665.3	1680.1	1683.9	1706.9	1737.6	1753.0	1778.4	1829.2	1867.3	1869.8
162.5°	1677.8	1688.9	1700.1	1702.9	1719.6	1741.8	1753.0	1774.4	1817.3	1849.5	1851.8
165°	1707.6	1717.7	1727.8	1730.3	1737.8	1747.9	1753.0	1768.4	1799.0	1822.0	1824.5
167.5°	1735.0	1739.8	1744.6	1745.8	1752.1	1760.6	1764.8	1775.0	1795.1	1810.2	1811.3
170°	1753.0	1757.8	1762.5	1763.7	1764.1	1764.6	1764.8	1775.0	1795.1	1810.2	1810.2
172.5°	1762.5	1763.5	1764.6	1764.8	1764.8	1764.8	1764.8	1772.8	1788.7	1800.7	1799.7
175°	1775.6	1775.6	1775.6	1775.6	1772.0	1767.2	1764.8	1769.9	1779.9	1787.5	1787.5
177.5°	1775.6	1775.6	1775.6	1775.6	1772.9	1769.1	1767.2	1771.2	1779.2	1785.1	1784.0
180°	1775.6	1775.6	1775.6	1775.6	1775.6	1775.6	1775.6	1775.6	1775.6	1775.6	1775.6



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	3028.4	3028.4	3028.4	3028.4	3028.4	3028.4	3028.4	3028.4	3028.4	3028.4	3028.4
2.5°	3105.8	3097.2	3105.8	3100.0	3102.9	3094.3	3068.5	3059.9	3068.5	3077.1	3077.1
5°	3143.0	3137.3	3143.0	3143.0	3140.1	3134.4	3105.8	3100.0	3105.8	3108.6	3102.9
7.5°	3154.5	3145.9	3154.5	3148.7	3148.7	3143.0	3114.4	3108.6	3111.5	3120.1	3111.5
10°	3154.5	3145.9	3154.5	3151.6	3148.7	3143.0	3114.4	3102.9	3102.9	3111.5	3102.9
12.5°	3140.1	3134.4	3140.1	3134.4	3134.4	3128.7	3100.0	3088.6	3091.4	3094.3	3082.8
15°	3117.2	3108.6	3117.2	3111.5	3114.4	3105.8	3074.2	3062.8	3062.8	3068.5	3048.5
17.5°	3082.8	3071.4	3082.8	3080.0	3077.1	3071.4	3042.7	3031.3	3028.4	3031.3	3016.9
20°	3042.7	3034.1	3042.7	3039.9	3039.9	3028.4	2999.8	2985.4	2985.4	2985.4	2971.1
22.5°	2979.7	2971.1	2979.7	2985.4	2985.4	2982.6	2956.8	2936.7	2931.0	2931.0	2913.8
25°	2908.1	2899.5	2908.1	2908.1	2905.2	2908.1	2899.5	2888.0	2879.4	2870.8	2853.6
27.5°	2839.3	2833.6	2839.3	2833.6	2839.3	2830.7	2827.9	2825.0	2813.5	2804.9	2782.0
30°	2770.6	2764.8	2770.6	2764.8	2759.1	2753.4	2739.0	2733.3	2744.8	2739.0	2701.8
32.5°	2684.6	2678.9	2684.6	2684.6	2678.9	2678.9	2656.0	2647.4	2650.2	2667.4	2633.0
35°	2595.8	2587.2	2595.8	2592.9	2595.8	2587.2	2572.9	2570.0	2558.5	2578.6	2552.8
37.5°	2492.5	2484.0	2492.5	2492.5	2492.5	2498.3	2486.8	2478.2	2461.0	2486.8	2466.8
40°	2386.5	2375.1	2386.5	2383.7	2386.5	2392.3	2386.5	2380.8	2363.6	2383.7	2366.5
42.5°	2266.2	2263.4	2266.2	2269.1	2269.1	2280.5	2289.1	2277.7	2271.9	2257.6	2269.1
45°	2137.3	2131.6	2137.3	2143.0	2145.9	2151.6	2177.4	2177.4	2168.8	2145.9	2163.1
47.5°	1999.8	1985.4	1999.8	2017.0	2017.0	2025.6	2051.3	2071.4	2057.1	2028.4	2037.0
50°	1853.7	1856.5	1853.7	1865.1	1865.1	1896.6	1916.7	1936.7	1951.1	1916.7	1876.6
52.5°	1710.4	1707.5	1710.4	1719.0	1730.5	1744.8	1779.2	1799.2	1822.1	1802.1	1739.1
55°	1567.2	1572.9	1567.2	1570.0	1575.8	1584.3	1635.9	1656.0	1698.9	1673.2	1607.3
57.5°	1423.9	1415.3	1423.9	1429.6	1432.5	1441.1	1484.1	1521.3	1547.1	1550.0	1469.7
60°	1257.7	1246.3	1257.7	1283.5	1289.2	1295.0	1335.1	1369.5	1392.4	1401.0	1317.9
62.5°	1111.6	1091.6	1111.6	1128.8	1140.3	1154.6	1183.2	1234.8	1254.9	1257.7	1140.3
65°	956.9	948.3	956.9	991.3	994.2	1011.3	1042.9	1080.1	1123.1	1117.4	948.3
67.5°	816.5	816.5	816.5	839.4	856.6	865.2	905.3	922.5	977.0	982.7	790.7
70°	687.6	684.7	687.6	704.8	716.2	736.3	773.6	793.6	836.6	850.9	641.8
72.5°	564.4	561.5	564.4	578.7	590.2	607.4	638.9	661.8	699.1	716.2	498.5
75°	455.5	449.8	455.5	467.0	464.1	487.0	512.8	535.8	570.1	581.6	369.6
77.5°	349.5	349.5	349.5	361.0	361.0	383.9	395.4	424.0	444.1	461.3	272.2
80°	260.7	257.8	260.7	263.6	263.6	275.0	295.1	315.2	332.3	332.3	186.2
82.5°	183.4	177.6	183.4	183.4	183.4	189.1	200.5	206.3	217.7	226.3	117.5
85°	114.6	114.6	114.6	117.5	114.6	120.3	123.2	128.9	128.9	123.2	71.6
87.5°	74.5	71.6	74.5	71.6	71.6	68.8	68.8	68.8	65.9	63.0	40.1
90°	45.3	45.3	45.3	45.3	45.3	60.4	80.5	90.5	77.8	52.4	33.3
92.5°	181.4	145.4	181.4	217.5	226.4	321.0	447.0	510.1	447.8	323.4	230.0
95°	632.2	523.1	632.2	741.3	768.6	1009.3	1330.3	1490.8	1259.1	795.6	448.1
97.5°	1514.9	1307.3	1514.9	1722.5	1774.4	1926.5	2129.4	2230.8	1844.4	1071.7	492.2
100°	2182.7	1935.3	2182.7	2430.0	2491.8	2480.7	2465.9	2458.5	2029.7	1172.2	529.1
102.5°	2839.5	2627.7	2839.5	3051.3	3104.3	2910.5	2652.0	2522.8	2088.0	1218.3	566.0
105°	3676.9	3563.1	3676.9	3790.9	3819.3	3384.8	2805.4	2515.7	2094.6	1252.5	620.8
107.5°	4225.6	4253.1	4225.6	4198.0	4191.1	3585.0	2776.8	2372.6	2001.3	1258.8	701.9
110°	4434.7	4553.4	4434.7	4316.1	4286.4	3608.8	2705.2	2253.4	1918.7	1249.2	747.2





TEST NUMBER: P935180

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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	4453.5	4635.7	4453.5	4271.2	4225.7	3532.2	2607.4	2145.0	1846.6	1249.7	802.0
115°	4335.3	4587.9	4335.3	4082.6	4019.5	3351.4	2460.6	2015.1	1763.8	1261.2	884.2
117.5°	4084.9	4365.1	4084.9	3804.7	3734.7	3131.7	2327.7	1925.8	1712.0	1284.7	964.1
120°	3883.1	4155.4	3883.1	3611.0	3542.9	2991.9	2257.3	1890.0	1694.6	1303.8	1010.6
122.5°	3686.6	3955.1	3686.6	3418.1	3351.0	2854.9	2193.3	1862.6	1685.5	1331.2	1065.4
125°	3406.3	3653.6	3406.3	3158.9	3097.2	2675.7	2113.8	1832.8	1677.9	1368.0	1135.7
127.5°	3154.3	3362.9	3154.3	2945.5	2893.4	2531.5	2049.0	1807.8	1673.5	1405.0	1203.6
130°	3005.7	3198.5	3005.7	2813.0	2764.7	2442.6	2013.0	1798.3	1676.2	1432.0	1248.9
132.5°	2870.9	3043.6	2870.9	2698.3	2655.1	2366.7	1982.1	1789.9	1677.8	1453.8	1285.8
135°	2686.1	2835.0	2686.1	2537.3	2500.1	2258.6	1936.6	1775.6	1676.3	1477.7	1328.7
137.5°	2538.0	2659.9	2538.0	2416.2	2385.8	2181.6	1909.3	1773.2	1686.6	1513.4	1383.5
140°	2436.4	2550.2	2436.4	2322.5	2294.0	2117.6	1882.4	1764.8	1688.3	1535.3	1420.5
142.5°	2352.1	2450.1	2352.1	2254.1	2229.6	2074.7	1868.2	1764.8	1694.4	1553.5	1447.9
145°	2225.8	2299.9	2225.8	2151.6	2133.1	2006.4	1837.4	1753.0	1694.5	1577.4	1489.6
147.5°	2128.9	2190.3	2128.9	2067.5	2052.1	1952.4	1819.5	1753.0	1706.1	1612.3	1542.0
150°	2067.9	2117.6	2067.9	2018.0	2005.6	1921.4	1809.2	1753.0	1712.2	1630.7	1569.4
152.5°	2015.6	2053.2	2015.6	1978.0	1968.6	1896.7	1800.9	1753.0	1716.1	1642.5	1587.3
155°	1955.6	1980.6	1955.6	1930.7	1924.5	1867.3	1791.1	1753.0	1724.9	1668.8	1626.7
157.5°	1908.3	1925.8	1908.3	1890.8	1886.4	1841.9	1782.6	1753.0	1733.7	1695.0	1666.0
160°	1879.9	1890.0	1879.9	1869.8	1867.3	1829.2	1778.4	1753.0	1737.6	1706.9	1683.9
162.5°	1861.4	1870.9	1861.4	1851.8	1849.5	1817.3	1774.4	1753.0	1741.8	1719.6	1702.9
165°	1834.7	1844.7	1834.7	1824.5	1822.0	1799.0	1768.4	1753.0	1747.9	1737.8	1730.3
167.5°	1815.5	1819.7	1815.5	1811.3	1810.2	1795.1	1775.0	1764.8	1760.6	1752.1	1745.8
170°	1810.2	1810.2	1810.2	1810.2	1810.2	1795.1	1775.0	1764.8	1764.6	1764.1	1763.7
172.5°	1796.0	1792.2	1796.0	1799.7	1800.7	1788.7	1772.8	1764.8	1764.8	1764.8	1764.8
175°	1787.5	1787.5	1787.5	1787.5	1787.5	1779.9	1769.9	1764.8	1767.2	1772.0	1775.6
177.5°	1779.8	1775.6	1779.8	1784.0	1785.1	1779.2	1771.2	1767.2	1769.1	1772.9	1775.6
180°	1775.6	1775.6	1775.6	1775.6	1775.6	1775.6	1775.6	1775.6	1775.6	1775.6	1775.6



TEST NUMBER: P935180

CATALOG NUMBER: SQ4-FA-100U-075D-B2750-1D-UNV-STD-W-12-4000K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	3028.4	3028.4	3028.4	3028.4	3028.4	3028.4	3028.4	3028.4	3028.4	3028.4	3028.4
2.5°	3071.4	3054.2	3054.2	3025.5	3014.1	3005.5	2991.2	2948.2	2936.7	2925.3	2942.5
5°	3097.2	3065.6	3042.7	2991.2	2948.2	2931.0	2876.6	2773.4	2704.7	2653.1	2624.4
7.5°	3102.9	3062.8	3019.8	2939.6	2836.4	2790.6	2624.4	2435.2	2383.7	2337.8	2309.2
10°	3097.2	3051.3	2991.2	2870.8	2627.3	2547.1	2380.8	2257.6	2226.1	2217.5	2226.1
12.5°	3077.1	3034.1	2951.0	2750.5	2409.5	2355.0	2257.6	2186.0	2180.3	2194.6	2271.9
15°	3042.7	3002.6	2905.2	2590.1	2289.1	2249.0	2180.3	2154.5	2186.0	2286.3	2518.3
17.5°	3008.3	2962.5	2842.2	2432.4	2197.5	2168.8	2120.1	2171.7	2349.3	2484.0	2561.4
20°	2962.5	2908.1	2770.6	2317.8	2131.6	2105.8	2082.9	2314.9	2449.6	2498.3	2541.4
22.5°	2908.1	2850.8	2673.1	2237.6	2062.8	2042.7	2057.1	2395.1	2449.6	2484.0	2521.2
25°	2836.4	2787.7	2558.5	2174.5	2008.4	1985.4	2039.9	2386.5	2418.1	2426.7	2501.1
27.5°	2770.6	2707.5	2438.1	2117.2	1942.5	1933.9	2054.2	2349.3	2372.2	2380.8	2461.0
30°	2690.3	2595.8	2303.5	2057.1	1873.7	1870.8	2057.1	2303.5	2297.7	2320.6	2400.9
32.5°	2607.2	2429.5	2151.6	1982.6	1807.8	1805.0	2037.0	2234.7	2229.0	2260.5	2320.6
35°	2529.9	2300.6	1945.3	1896.6	1724.7	1727.6	1988.3	2154.5	2157.3	2186.0	2223.2
37.5°	2449.6	2188.9	1719.0	1802.1	1644.5	1644.5	1922.4	2080.0	2074.3	2082.9	2134.4
40°	2355.0	2014.1	1518.4	1678.9	1570.0	1561.4	1842.2	1999.8	1979.7	1976.8	2048.5
42.5°	2254.8	1822.1	1369.5	1515.6	1484.1	1472.6	1744.8	1902.4	1865.1	1873.7	1965.4
45°	2145.9	1770.6	1254.9	1280.7	1395.3	1386.7	1638.8	1790.6	1764.8	1787.8	1882.3
47.5°	2037.0	1667.4	1217.6	1062.9	1300.7	1297.8	1521.3	1681.8	1667.4	1690.4	1790.6
50°	1888.0	1552.8	1214.8	911.1	1194.7	1206.2	1380.9	1575.8	1575.8	1595.8	1701.8
52.5°	1696.1	1412.4	1103.0	825.1	1071.5	1105.9	1257.7	1484.1	1489.8	1509.9	1604.4
55°	1521.3	1266.3	1022.8	759.2	925.4	999.9	1137.4	1389.5	1401.0	1421.0	1507.0
57.5°	1360.9	1054.3	1005.6	681.9	790.7	862.4	1031.4	1297.8	1303.6	1320.8	1403.8
60°	1189.0	762.1	922.5	598.8	673.3	727.7	934.0	1189.0	1209.0	1220.5	1292.1
62.5°	994.2	552.9	836.6	541.5	616.0	627.4	853.8	1085.8	1111.6	1120.2	1163.2
65°	707.7	464.1	710.5	492.8	555.8	558.7	767.8	979.8	1002.8	1017.1	1048.6
67.5°	478.5	378.2	541.5	446.9	510.0	512.8	684.7	856.6	888.2	899.6	919.7
70°	332.3	252.1	401.1	398.2	458.4	464.1	595.9	744.9	773.6	782.1	793.6
72.5°	243.5	203.4	332.3	358.1	404.0	409.7	504.2	618.8	647.5	656.1	661.8
75°	186.2	214.9	269.3	312.3	343.8	346.7	412.6	504.2	524.3	530.0	532.9
77.5°	149.0	200.5	197.7	252.1	280.8	275.0	323.7	389.6	406.8	406.8	406.8
80°	111.7	157.6	149.0	180.5	206.3	200.5	232.1	277.9	283.6	289.4	286.5
82.5°	83.1	100.3	100.3	114.6	137.5	131.8	154.7	180.5	180.5	180.5	186.2
85°	51.6	57.3	45.8	60.2	77.4	74.5	86.0	97.4	100.3	100.3	94.5
87.5°	31.5	25.8	14.3	22.9	34.4	34.4	40.1	43.0	40.1	40.1	40.1
90°	30.9	21.5	11.9	21.5	30.9	33.3	52.4	77.8	90.5	80.5	60.4
92.5°	209.7	128.6	47.7	128.6	209.7	230.0	323.4	447.8	510.1	447.0	321.0
95°	411.0	262.7	114.4	262.7	411.0	448.1	795.6	1259.1	1490.8	1330.3	1009.3
97.5°	459.5	328.6	197.8	328.6	459.5	492.2	1071.7	1844.4	2230.8	2129.4	1926.5
100°	499.4	380.8	262.1	380.8	499.4	529.1	1172.2	2029.7	2458.5	2465.9	2480.7
102.5°	538.3	427.6	317.0	427.6	538.3	566.0	1218.3	2088.0	2522.8	2652.0	2910.5
105°	597.4	503.7	410.0	503.7	597.4	620.8	1252.5	2094.6	2515.7	2805.4	3384.8
107.5°	680.1	592.7	505.3	592.7	680.1	701.9	1258.8	2001.3	2372.6	2776.8	3585.0
110°	727.4	648.5	569.7	648.5	727.4	747.2	1249.2	1918.7	2253.4	2705.2	3608.8



TEST NUMBER: P935180

CATALOG NUMBER: SQ4-FA-100U-075D-B2750-1D-UNV-STD-W-12-4000K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	783.2	708.0	632.8	708.0	783.2	802.0	1249.7	1846.6	2145.0	2607.4	3532.2
115°	866.9	797.5	728.1	797.5	866.9	884.2	1261.2	1763.8	2015.1	2460.6	3351.4
117.5°	948.3	885.3	822.3	885.3	948.3	964.1	1284.7	1712.0	1925.8	2327.7	3131.7
120°	995.8	936.4	877.1	936.4	995.8	1010.6	1303.8	1694.6	1890.0	2257.3	2991.9
122.5°	1050.4	990.6	930.7	990.6	1050.4	1065.4	1331.2	1685.5	1862.6	2193.3	2854.9
125°	1122.0	1067.5	1013.0	1067.5	1122.0	1135.7	1368.0	1677.9	1832.8	2113.8	2675.7
127.5°	1189.8	1134.7	1079.6	1134.7	1189.8	1203.6	1405.0	1673.5	1807.8	2049.0	2531.5
130°	1234.1	1174.7	1115.4	1174.7	1234.1	1248.9	1432.0	1676.2	1798.3	2013.0	2442.6
132.5°	1271.0	1211.7	1152.4	1211.7	1271.0	1285.8	1453.8	1677.8	1789.9	1982.1	2366.7
135°	1315.2	1261.2	1207.2	1261.2	1315.2	1328.7	1477.7	1676.3	1775.6	1936.6	2258.6
137.5°	1370.1	1316.7	1263.2	1316.7	1370.1	1383.5	1513.4	1686.6	1773.2	1909.3	2181.6
140°	1408.1	1359.0	1309.7	1359.0	1408.1	1420.5	1535.3	1688.3	1764.8	1882.4	2117.6
142.5°	1436.5	1391.0	1345.4	1391.0	1436.5	1447.9	1553.5	1694.4	1764.8	1868.2	2074.7
145°	1479.7	1439.9	1400.2	1439.9	1479.7	1489.6	1577.4	1694.5	1753.0	1837.4	2006.4
147.5°	1532.4	1493.7	1455.0	1493.7	1532.4	1542.0	1612.3	1706.1	1753.0	1819.5	1952.4
150°	1560.7	1525.7	1490.8	1525.7	1560.7	1569.4	1630.7	1712.2	1753.0	1809.2	1921.4
152.5°	1580.7	1554.2	1527.7	1554.2	1580.7	1587.3	1642.5	1716.1	1753.0	1800.9	1896.7
155°	1621.8	1602.1	1582.5	1602.1	1621.8	1626.7	1668.8	1724.9	1753.0	1791.1	1867.3
157.5°	1661.2	1642.1	1623.0	1642.1	1661.2	1666.0	1695.0	1733.7	1753.0	1782.6	1841.9
160°	1680.1	1665.3	1650.4	1665.3	1680.1	1683.9	1706.9	1737.6	1753.0	1778.4	1829.2
162.5°	1700.1	1688.9	1677.8	1688.9	1700.1	1702.9	1719.6	1741.8	1753.0	1774.4	1817.3
165°	1727.8	1717.7	1707.6	1717.7	1727.8	1730.3	1737.8	1747.9	1753.0	1768.4	1799.0
167.5°	1744.6	1739.8	1735.0	1739.8	1744.6	1745.8	1752.1	1760.6	1764.8	1775.0	1795.1
170°	1762.5	1757.8	1753.0	1757.8	1762.5	1763.7	1764.1	1764.6	1764.8	1775.0	1795.1
172.5°	1764.6	1763.5	1762.5	1763.5	1764.6	1764.8	1764.8	1764.8	1764.8	1772.8	1788.7
175°	1775.6	1775.6	1775.6	1775.6	1775.6	1775.6	1772.0	1767.2	1764.8	1769.9	1779.9
177.5°	1775.6	1775.6	1775.6	1775.6	1775.6	1775.6	1772.9	1769.1	1767.2	1771.2	1779.2
180°	1775.6	1775.6	1775.6	1775.6	1775.6	1775.6	1775.6	1775.6	1775.6	1775.6	1775.6



TEST NUMBER: P935180  
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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	3028.4	3028.4	3028.4	3028.4	3028.4	3028.4	3028.4	3028.4	3028.4	3028.4	3028.4
2.5°	2922.4	2913.8	2925.3	2893.7	2925.3	2913.8	2922.4	2942.5	2925.3	2936.7	2948.2
5°	2564.3	2549.9	2504.0	2466.8	2504.0	2549.9	2564.3	2624.4	2653.1	2704.7	2773.4
7.5°	2292.0	2280.5	2269.1	2246.2	2269.1	2280.5	2292.0	2309.2	2337.8	2383.7	2435.2
10°	2231.8	2234.7	2251.9	2249.0	2251.9	2234.7	2231.8	2226.1	2217.5	2226.1	2257.6
12.5°	2386.5	2412.3	2506.9	2501.1	2506.9	2412.3	2386.5	2271.9	2194.6	2180.3	2186.0
15°	2564.3	2572.9	2592.9	2595.8	2592.9	2572.9	2564.3	2518.3	2286.3	2186.0	2154.5
17.5°	2581.5	2584.3	2598.7	2598.7	2598.7	2584.3	2581.5	2561.4	2484.0	2349.3	2171.7
20°	2567.1	2572.9	2601.5	2607.2	2601.5	2572.9	2567.1	2541.4	2498.3	2449.6	2314.9
22.5°	2561.4	2572.9	2595.8	2592.9	2595.8	2572.9	2561.4	2521.2	2484.0	2449.6	2395.1
25°	2532.8	2532.8	2535.6	2538.5	2535.6	2532.8	2532.8	2501.1	2426.7	2418.1	2386.5
27.5°	2472.5	2478.2	2495.4	2492.5	2495.4	2478.2	2472.5	2461.0	2380.8	2372.2	2349.3
30°	2418.1	2412.3	2398.0	2386.5	2398.0	2412.3	2418.1	2400.9	2320.6	2297.7	2303.5
32.5°	2326.4	2312.1	2297.7	2289.1	2297.7	2312.1	2326.4	2320.6	2260.5	2229.0	2234.7
35°	2217.5	2220.4	2217.5	2208.9	2217.5	2220.4	2217.5	2223.2	2186.0	2157.3	2154.5
37.5°	2140.2	2145.9	2143.0	2131.6	2143.0	2145.9	2140.2	2134.4	2082.9	2074.3	2080.0
40°	2059.9	2062.8	2059.9	2051.3	2059.9	2062.8	2059.9	2048.5	1976.8	1979.7	1999.8
42.5°	1982.6	1979.7	1971.1	1965.4	1971.1	1979.7	1982.6	1965.4	1873.7	1865.1	1902.4
45°	1893.8	1896.6	1879.4	1870.8	1879.4	1896.6	1893.8	1882.3	1787.8	1764.8	1790.6
47.5°	1805.0	1805.0	1790.6	1782.0	1790.6	1805.0	1805.0	1790.6	1690.4	1667.4	1681.8
50°	1710.4	1707.5	1687.5	1684.6	1687.5	1707.5	1710.4	1701.8	1595.8	1575.8	1575.8
52.5°	1601.5	1601.5	1604.4	1610.1	1604.4	1601.5	1601.5	1604.4	1509.9	1489.8	1484.1
55°	1507.0	1509.9	1529.9	1535.6	1529.9	1509.9	1507.0	1507.0	1421.0	1401.0	1389.5
57.5°	1409.6	1409.6	1423.9	1423.9	1423.9	1409.6	1409.6	1403.8	1320.8	1303.6	1297.8
60°	1297.8	1303.6	1315.0	1312.2	1315.0	1303.6	1297.8	1292.1	1220.5	1209.0	1189.0
62.5°	1180.4	1186.1	1189.0	1183.2	1189.0	1186.1	1180.4	1163.2	1120.2	1111.6	1085.8
65°	1057.2	1062.9	1065.8	1060.0	1065.8	1062.9	1057.2	1048.6	1017.1	1002.8	979.8
67.5°	931.1	928.3	925.4	936.9	925.4	928.3	931.1	919.7	899.6	888.2	856.6
70°	802.2	802.2	799.3	805.1	799.3	802.2	802.2	793.6	782.1	773.6	744.9
72.5°	664.7	661.8	673.3	664.7	673.3	661.8	664.7	661.8	656.1	647.5	618.8
75°	530.0	535.8	530.0	538.6	530.0	535.8	530.0	532.9	530.0	524.3	504.2
77.5°	404.0	409.7	404.0	404.0	404.0	409.7	404.0	406.8	406.8	406.8	389.6
80°	286.5	283.6	283.6	280.8	283.6	283.6	286.5	286.5	289.4	283.6	277.9
82.5°	183.4	180.5	180.5	186.2	180.5	180.5	183.4	186.2	180.5	180.5	180.5
85°	100.3	103.1	97.4	97.4	97.4	103.1	100.3	94.5	100.3	100.3	97.4
87.5°	37.2	34.4	34.4	34.4	34.4	34.4	37.2	40.1	40.1	40.1	43.0
90°	45.3	45.3	45.3	45.3	45.3	45.3	45.3	60.4	80.5	90.5	77.8
92.5°	226.4	217.5	181.4	145.4	181.4	217.5	226.4	321.0	447.0	510.1	447.8
95°	768.6	741.3	632.2	523.1	632.2	741.3	768.6	1009.3	1330.3	1490.8	1259.1
97.5°	1774.4	1722.5	1514.9	1307.3	1514.9	1722.5	1774.4	1926.5	2129.4	2230.8	1844.4
100°	2491.8	2430.0	2182.7	1935.3	2182.7	2430.0	2491.8	2480.7	2465.9	2458.5	2029.7
102.5°	3104.3	3051.3	2839.5	2627.7	2839.5	3051.3	3104.3	2910.5	2652.0	2522.8	2088.0
105°	3819.3	3790.9	3676.9	3563.1	3676.9	3790.9	3819.3	3384.8	2805.4	2515.7	2094.6
107.5°	4191.1	4198.0	4225.6	4253.1	4225.6	4198.0	4191.1	3585.0	2776.8	2372.6	2001.3
110°	4286.4	4316.1	4434.7	4553.4	4434.7	4316.1	4286.4	3608.8	2705.2	2253.4	1918.7



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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	4225.7	4271.2	4453.5	4635.7	4453.5	4271.2	4225.7	3532.2	2607.4	2145.0	1846.6
115°	4019.5	4082.6	4335.3	4587.9	4335.3	4082.6	4019.5	3351.4	2460.6	2015.1	1763.8
117.5°	3734.7	3804.7	4084.9	4365.1	4084.9	3804.7	3734.7	3131.7	2327.7	1925.8	1712.0
120°	3542.9	3611.0	3883.1	4155.4	3883.1	3611.0	3542.9	2991.9	2257.3	1890.0	1694.6
122.5°	3351.0	3418.1	3686.6	3955.1	3686.6	3418.1	3351.0	2854.9	2193.3	1862.6	1685.5
125°	3097.2	3158.9	3406.3	3653.6	3406.3	3158.9	3097.2	2675.7	2113.8	1832.8	1677.9
127.5°	2893.4	2945.5	3154.3	3362.9	3154.3	2945.5	2893.4	2531.5	2049.0	1807.8	1673.5
130°	2764.7	2813.0	3005.7	3198.5	3005.7	2813.0	2764.7	2442.6	2013.0	1798.3	1676.2
132.5°	2655.1	2698.3	2870.9	3043.6	2870.9	2698.3	2655.1	2366.7	1982.1	1789.9	1677.8
135°	2500.1	2537.3	2686.1	2835.0	2686.1	2537.3	2500.1	2258.6	1936.6	1775.6	1676.3
137.5°	2385.8	2416.2	2538.0	2659.9	2538.0	2416.2	2385.8	2181.6	1909.3	1773.2	1686.6
140°	2294.0	2322.5	2436.4	2550.2	2436.4	2322.5	2294.0	2117.6	1882.4	1764.8	1688.3
142.5°	2229.6	2254.1	2352.1	2450.1	2352.1	2254.1	2229.6	2074.7	1868.2	1764.8	1694.4
145°	2133.1	2151.6	2225.8	2299.9	2225.8	2151.6	2133.1	2006.4	1837.4	1753.0	1694.5
147.5°	2052.1	2067.5	2128.9	2190.3	2128.9	2067.5	2052.1	1952.4	1819.5	1753.0	1706.1
150°	2005.6	2018.0	2067.9	2117.6	2067.9	2018.0	2005.6	1921.4	1809.2	1753.0	1712.2
152.5°	1968.6	1978.0	2015.6	2053.2	2015.6	1978.0	1968.6	1896.7	1800.9	1753.0	1716.1
155°	1924.5	1930.7	1955.6	1980.6	1955.6	1930.7	1924.5	1867.3	1791.1	1753.0	1724.9
157.5°	1886.4	1890.8	1908.3	1925.8	1908.3	1890.8	1886.4	1841.9	1782.6	1753.0	1733.7
160°	1867.3	1869.8	1879.9	1890.0	1879.9	1869.8	1867.3	1829.2	1778.4	1753.0	1737.6
162.5°	1849.5	1851.8	1861.4	1870.9	1861.4	1851.8	1849.5	1817.3	1774.4	1753.0	1741.8
165°	1822.0	1824.5	1834.7	1844.7	1834.7	1824.5	1822.0	1799.0	1768.4	1753.0	1747.9
167.5°	1810.2	1811.3	1815.5	1819.7	1815.5	1811.3	1810.2	1795.1	1775.0	1764.8	1760.6
170°	1810.2	1810.2	1810.2	1810.2	1810.2	1810.2	1810.2	1795.1	1775.0	1764.8	1764.6
172.5°	1800.7	1799.7	1796.0	1792.2	1796.0	1799.7	1800.7	1788.7	1772.8	1764.8	1764.8
175°	1787.5	1787.5	1787.5	1787.5	1787.5	1787.5	1787.5	1779.9	1769.9	1764.8	1767.2
177.5°	1785.1	1784.0	1779.8	1775.6	1779.8	1784.0	1785.1	1779.2	1771.2	1767.2	1769.1
180°	1775.6	1775.6	1775.6	1775.6	1775.6	1775.6	1775.6	1775.6	1775.6	1775.6	1775.6



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	3028.4	3028.4	3028.4	3028.4	3028.4
2.5°	2991.2	3005.5	3014.1	3025.5	3054.2
5°	2876.6	2931.0	2948.2	2991.2	3042.7
7.5°	2624.4	2790.6	2836.4	2939.6	3019.8
10°	2380.8	2547.1	2627.3	2870.8	2991.2
12.5°	2257.6	2355.0	2409.5	2750.5	2951.0
15°	2180.3	2249.0	2289.1	2590.1	2905.2
17.5°	2120.1	2168.8	2197.5	2432.4	2842.2
20°	2082.9	2105.8	2131.6	2317.8	2770.6
22.5°	2057.1	2042.7	2062.8	2237.6	2673.1
25°	2039.9	1985.4	2008.4	2174.5	2558.5
27.5°	2054.2	1933.9	1942.5	2117.2	2438.1
30°	2057.1	1870.8	1873.7	2057.1	2303.5
32.5°	2037.0	1805.0	1807.8	1982.6	2151.6
35°	1988.3	1727.6	1724.7	1896.6	1945.3
37.5°	1922.4	1644.5	1644.5	1802.1	1719.0
40°	1842.2	1561.4	1570.0	1678.9	1518.4
42.5°	1744.8	1472.6	1484.1	1515.6	1369.5
45°	1638.8	1386.7	1395.3	1280.7	1254.9
47.5°	1521.3	1297.8	1300.7	1062.9	1217.6
50°	1380.9	1206.2	1194.7	911.1	1214.8
52.5°	1257.7	1105.9	1071.5	825.1	1103.0
55°	1137.4	999.9	925.4	759.2	1022.8
57.5°	1031.4	862.4	790.7	681.9	1005.6
60°	934.0	727.7	673.3	598.8	922.5
62.5°	853.8	627.4	616.0	541.5	836.6
65°	767.8	558.7	555.8	492.8	710.5
67.5°	684.7	512.8	510.0	446.9	541.5
70°	595.9	464.1	458.4	398.2	401.1
72.5°	504.2	409.7	404.0	358.1	332.3
75°	412.6	346.7	343.8	312.3	269.3
77.5°	323.7	275.0	280.8	252.1	197.7
80°	232.1	200.5	206.3	180.5	149.0
82.5°	154.7	131.8	137.5	114.6	100.3
85°	86.0	74.5	77.4	60.2	45.8
87.5°	40.1	34.4	34.4	22.9	14.3
90°	52.4	33.3	30.9	21.5	11.9
92.5°	323.4	230.0	209.7	128.6	47.7
95°	795.6	448.1	411.0	262.7	114.4
97.5°	1071.7	492.2	459.5	328.6	197.8
100°	1172.2	529.1	499.4	380.8	262.1
102.5°	1218.3	566.0	538.3	427.6	317.0
105°	1252.5	620.8	597.4	503.7	410.0
107.5°	1258.8	701.9	680.1	592.7	505.3
110°	1249.2	747.2	727.4	648.5	569.7



TEST NUMBER: P935180

CATALOG NUMBER: SQ4-FA-100U-075D-B2750-1D-UNV-STD-W-12-4000K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	1249.7	802.0	783.2	708.0	632.8
115°	1261.2	884.2	866.9	797.5	728.1
117.5°	1284.7	964.1	948.3	885.3	822.3
120°	1303.8	1010.6	995.8	936.4	877.1
122.5°	1331.2	1065.4	1050.4	990.6	930.7
125°	1368.0	1135.7	1122.0	1067.5	1013.0
127.5°	1405.0	1203.6	1189.8	1134.7	1079.6
130°	1432.0	1248.9	1234.1	1174.7	1115.4
132.5°	1453.8	1285.8	1271.0	1211.7	1152.4
135°	1477.7	1328.7	1315.2	1261.2	1207.2
137.5°	1513.4	1383.5	1370.1	1316.7	1263.2
140°	1535.3	1420.5	1408.1	1359.0	1309.7
142.5°	1553.5	1447.9	1436.5	1391.0	1345.4
145°	1577.4	1489.6	1479.7	1439.9	1400.2
147.5°	1612.3	1542.0	1532.4	1493.7	1455.0
150°	1630.7	1569.4	1560.7	1525.7	1490.8
152.5°	1642.5	1587.3	1580.7	1554.2	1527.7
155°	1668.8	1626.7	1621.8	1602.1	1582.5
157.5°	1695.0	1666.0	1661.2	1642.1	1623.0
160°	1706.9	1683.9	1680.1	1665.3	1650.4
162.5°	1719.6	1702.9	1700.1	1688.9	1677.8
165°	1737.8	1730.3	1727.8	1717.7	1707.6
167.5°	1752.1	1745.8	1744.6	1739.8	1735.0
170°	1764.1	1763.7	1762.5	1757.8	1753.0
172.5°	1764.8	1764.8	1764.6	1763.5	1762.5
175°	1772.0	1775.6	1775.6	1775.6	1775.6
177.5°	1772.9	1775.6	1775.6	1775.6	1775.6
180°	1775.6	1775.6	1775.6	1775.6	1775.6



TEST NUMBER: P935180  
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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	15.53	16.32	17.72
	3H	12.12	12.82	13.16	13.87	15.29	15.84	16.54	16.89	17.59	19.01
	4H	12.30	12.97	13.36	14.02	15.45	16.29	16.95	17.34	18.00	19.43
	6H	12.42	13.03	13.48	14.09	15.52	16.57	17.19	17.64	18.24	19.68
	8H	12.42	13.00	13.49	14.07	15.50	16.65	17.23	17.72	18.30	19.74
	12H	12.39	12.94	13.46	14.00	15.46	16.69	17.24	17.76	18.31	19.76
4H	2H	12.67	13.34	13.74	14.39	15.82	14.90	15.56	15.96	16.61	18.04
	3H	13.69	14.25	14.76	15.33	16.77	16.40	16.95	17.47	18.03	19.47
	4H	13.97	14.47	15.04	15.54	17.00	16.93	17.44	18.01	18.51	19.97
	6H	14.09	14.52	15.17	15.62	17.07	17.30	17.73	18.38	18.82	20.28
	8H	14.09	14.50	15.18	15.58	17.05	17.40	17.81	18.49	18.90	20.37
	12H	14.05	14.42	15.16	15.52	17.00	17.46	17.83	18.56	18.93	20.40
8H	4H	14.42	14.82	15.50	15.91	17.38	17.05	17.45	18.13	18.54	20.01
	6H	14.67	15.01	15.78	16.14	17.61	17.49	17.82	18.59	18.95	20.42
	8H	14.72	15.01	15.83	16.12	17.61	17.64	17.93	18.75	19.04	20.53
	12H	14.70	14.96	15.82	16.06	17.59	17.74	18.00	18.86	19.10	20.63
12H	4H	14.42	14.79	15.52	15.89	17.36	17.01	17.38	18.11	18.47	19.95
	6H	14.74	15.03	15.85	16.14	17.63	17.48	17.78	18.60	18.89	20.37
	8H	14.80	15.06	15.92	16.16	17.69	17.64	17.90	18.76	19.01	20.53