

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: P935479

Luminaire Tested: SQ4-FA-125U-050D-B2750-1D-UNV-STD-W-12-3500K

Issue Date: 12/17/2024

**Test Information**

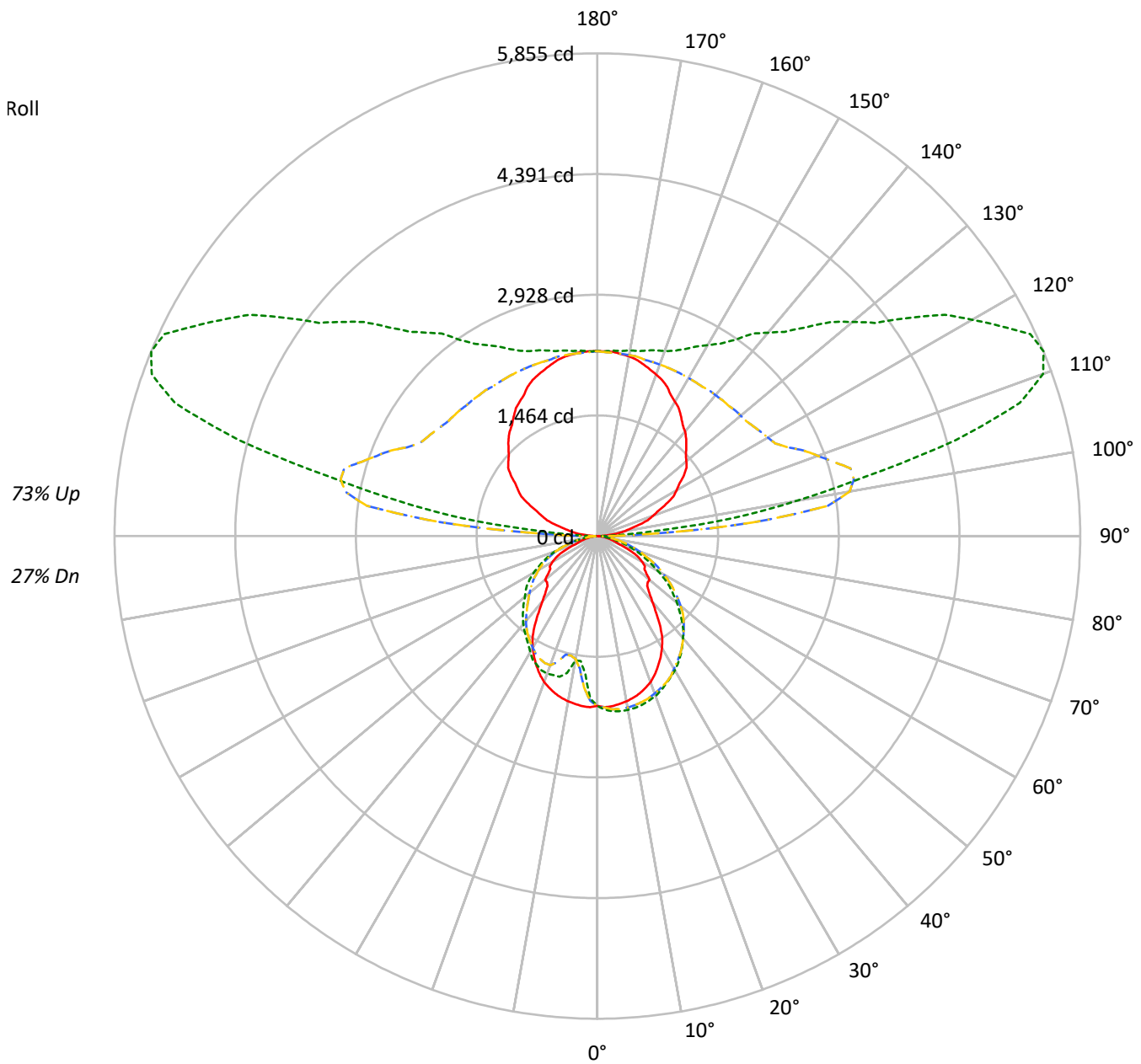
Test Method: LM-79-2019  
Report Number: P935479  
REPORT IS A COMBINATION OF REPORTS P933753 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-125U-050D-B2750-1D-UNV-STD-W-12-3500K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 19889.7 lumens  
Efficiency: N/A  
Efficacy: 139.3 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): 142.8  
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	50	30	10	0	
RCR																						
0	102	102	102	102	91	91	91	91	71	71	71	52	52	52	35	35	35	27				
1	93	88	85	81	83	79	76	73	62	60	58	46	44	43	31	30	29	23				
2	84	77	71	66	75	69	64	60	54	51	48	40	38	36	27	26	25	19				
3	77	68	61	55	68	61	55	50	48	43	40	35	33	30	24	22	21	16				
4	70	60	52	47	62	54	47	42	42	38	34	31	28	26	21	20	18	14				
5	64	53	45	40	57	48	41	36	38	33	29	28	25	22	19	17	16	12				
6	59	48	40	34	53	43	36	31	34	29	25	25	22	19	17	15	14	10				
7	55	43	35	30	49	38	32	27	30	26	22	23	20	17	16	14	12	9				
8	50	39	31	26	45	35	28	24	28	23	19	21	18	15	15	12	11	8				
9	47	35	28	23	42	32	25	21	25	21	17	19	16	14	13	11	10	7				
10	44	32	25	20	39	29	23	19	23	19	15	18	14	12	12	10	9	7				

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

	0°	90°	180°	270°
0°	6374	6374	6374	6374
5°	6424	6434	6424	5059
10°	6383	6338	6383	4531
15°	6316	6201	6316	5178
20°	6187	6038	6187	5188
25°	5919	5801	5919	5078
30°	5572	5604	5572	4837
35°	4970	5355	4970	4572
40°	4143	5061	4143	4371
45°	3704	4718	3704	4141
50°	3939	4308	3939	3909
55°	3709	3868	3709	3776
60°	3828	3285	3828	3458
65°	3477	2716	3477	3035
70°	2414	2164	2414	2544
75°	2123	1600	2123	1915
80°	1725	1058	1725	1152
85°	1011	560	1011	476

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 5674 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	186.0	0.9
10°-20°	528.1	2.7
20°-30°	816.4	4.1
30°-40°	974.6	4.9
40°-50°	980.4	4.9
50°-60°	853.0	4.3
60°-70°	604.8	3.0
70°-80°	320.0	1.6
80°-90°	88.3	0.4
90°-100°	1093.2	5.5
100°-110°	2874.0	14.4
110°-120°	2980.0	15.0
120°-130°	2390.3	12.0
130°-140°	1875.6	9.4
140°-150°	1439.6	7.2
150°-160°	1036.7	5.2
160°-170°	634.3	3.2
170°-180°	214.3	1.1
0°-30°	1530.6	7.7
0°-40°	2505.2	12.6
0°-60°	4338.6	21.8
0°-90°	5351.6	26.9
90°-120°	6947.2	34.9
90°-150°	12652.7	63.6
90°-180°	14538.0	73.1
0°-180°	19889.7	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	2061	2061	2061	2061	2061	
5°	2070	2135	2070	1679	2070	196
15°	1977	2115	1977	1766	1977	556
25°	1741	1973	1741	1727	1741	799
35°	1324	1760	1324	1503	1324	819
45°	854	1450	854	1273	854	684
55°	696	1070	696	1045	696	640
65°	484	645	484	721	484	462
75°	183	306	183	366	183	193
85°	31	78	31	66	31	42
90°	15	57	15	57	15	14
95°	144	661	144	661	144	160
105°	518	4500	518	4500	518	549
115°	920	5795	920	5795	920	908
125°	1279	4615	1279	4615	1279	1136
135°	1525	3581	1525	3581	1525	1180
145°	1768	2905	1768	2905	1768	1108
155°	1999	2502	1999	2502	1999	918
165°	2157	2330	2157	2330	2157	609
175°	2243	2258	2243	2258	2243	213
180°	2243	2243	2243	2243	2243	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2060.7	2060.7	2060.7	2060.7	2060.7	2060.7	2060.7	2060.7	2060.7	2060.7	2060.7
2.5°	2078.2	2078.2	2089.9	2093.8	2093.8	2088.0	2082.2	2088.0	2105.5	2111.4	2109.4
5°	2070.5	2086.1	2107.5	2111.4	2115.3	2113.4	2109.4	2113.4	2132.9	2136.7	2138.7
7.5°	2054.9	2084.1	2111.4	2117.3	2123.1	2117.3	2115.3	2119.2	2138.7	2142.6	2142.6
10°	2035.4	2076.3	2107.5	2111.4	2117.3	2111.4	2111.4	2119.2	2138.7	2142.6	2144.6
12.5°	2008.1	2064.6	2093.8	2097.8	2105.5	2103.6	2101.7	2109.4	2129.0	2132.9	2132.9
15°	1976.9	2043.1	2070.5	2074.3	2088.0	2084.1	2084.1	2091.9	2113.4	2119.2	2117.3
17.5°	1934.0	2015.9	2047.1	2052.9	2062.7	2060.7	2062.7	2070.5	2089.9	2093.8	2095.9
20°	1885.3	1978.8	2015.9	2021.7	2031.5	2031.5	2031.5	2041.2	2060.7	2068.5	2068.5
22.5°	1819.0	1939.8	1978.8	1982.8	1994.4	1994.4	1998.4	2011.9	2029.5	2031.5	2031.5
25°	1741.0	1896.9	1930.1	1941.8	1953.5	1959.3	1965.2	1973.0	1978.8	1976.9	1978.8
27.5°	1659.1	1842.4	1885.3	1893.0	1908.6	1914.5	1922.3	1924.2	1926.2	1932.0	1928.1
30°	1567.5	1766.3	1830.6	1838.5	1863.8	1867.7	1859.9	1863.8	1873.6	1877.4	1881.3
32.5°	1464.2	1653.2	1774.1	1791.7	1815.0	1803.4	1801.4	1807.3	1822.9	1822.9	1826.8
35°	1323.8	1565.5	1721.5	1737.1	1754.7	1741.0	1748.8	1750.7	1760.5	1766.3	1764.4
37.5°	1169.8	1489.4	1666.9	1678.6	1692.3	1674.7	1686.4	1692.3	1700.0	1696.1	1696.1
40°	1033.2	1370.6	1602.5	1610.4	1622.0	1608.4	1620.1	1624.0	1627.9	1624.0	1622.0
42.5°	931.9	1239.9	1534.3	1544.1	1536.3	1546.0	1549.9	1557.8	1551.9	1544.1	1544.1
45°	853.9	1204.9	1460.3	1471.9	1460.3	1475.9	1481.7	1481.7	1464.2	1460.3	1458.2
47.5°	828.6	1134.7	1386.2	1386.2	1380.3	1399.8	1409.5	1395.9	1378.4	1372.5	1372.5
50°	826.7	1056.7	1284.8	1276.9	1304.3	1327.6	1317.9	1304.3	1290.6	1269.2	1269.2
52.5°	750.6	961.2	1154.2	1183.4	1226.3	1239.9	1224.3	1210.7	1187.3	1177.5	1169.8
55°	696.0	861.7	1035.2	1093.7	1138.6	1156.1	1126.9	1113.2	1078.1	1072.3	1068.4
57.5°	684.3	717.4	926.1	1000.1	1054.8	1052.8	1035.2	1009.9	980.6	974.8	972.9
60°	627.8	518.6	809.1	896.8	953.3	947.5	931.9	908.5	881.2	877.3	873.5
62.5°	569.3	376.3	676.5	776.0	855.8	853.9	840.3	805.1	785.7	776.0	768.1
65°	483.5	315.8	481.6	645.4	760.4	764.3	735.0	709.7	688.2	676.5	674.5
67.5°	368.5	257.4	325.6	538.1	668.7	664.8	627.8	616.1	588.8	583.0	571.2
70°	273.0	171.6	226.2	436.7	579.1	569.3	540.0	526.4	501.1	487.4	479.6
72.5°	226.2	138.4	165.7	339.2	487.4	475.7	450.4	434.8	413.3	401.7	393.8
75°	183.2	146.2	126.7	251.5	395.7	388.0	364.5	348.9	331.4	315.8	317.7
77.5°	134.5	136.4	101.4	185.2	313.9	302.2	288.6	269.1	261.2	245.6	245.6
80°	101.4	107.3	76.1	126.7	226.2	226.2	214.4	200.8	187.1	179.4	179.4
82.5°	68.2	68.2	56.5	79.9	154.0	148.2	140.4	136.4	128.7	124.8	124.8
85°	31.2	39.0	35.1	48.7	83.8	87.7	87.7	83.8	81.9	78.0	79.9
87.5°	9.8	17.5	21.4	27.3	42.9	44.9	46.8	46.8	46.8	48.7	48.7
90°	15.0	27.0	39.1	42.2	66.2	98.3	114.3	101.6	76.3	57.2	57.2
92.5°	60.2	162.5	264.9	290.5	408.4	565.6	644.2	564.5	405.3	286.0	274.6
95°	144.5	331.8	519.1	565.9	1004.9	1590.2	1882.9	1680.1	1274.8	970.8	936.3
97.5°	249.8	415.0	580.3	621.6	1353.6	2329.6	2817.6	2689.5	2433.3	2241.1	2175.5
100°	331.1	481.0	630.8	668.3	1480.5	2563.6	3105.1	3114.5	3133.2	3147.2	3069.1
102.5°	400.4	540.2	679.9	714.9	1538.8	2637.1	3186.4	3349.5	3676.0	3920.9	3854.0
105°	517.7	636.1	754.6	784.2	1581.9	2645.5	3177.3	3543.1	4275.0	4823.9	4787.9
107.5°	638.2	748.6	858.9	886.5	1589.9	2527.8	2996.7	3507.1	4527.8	5293.5	5302.2
110°	719.5	819.1	918.8	943.7	1577.8	2423.4	2846.1	3416.8	4558.0	5413.9	5451.4



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	799.2	894.2	989.2	1012.9	1578.3	2332.3	2709.2	3293.2	4461.2	5337.2	5394.7
115°	919.6	1007.2	1094.9	1116.8	1592.9	2227.7	2545.2	3107.8	4232.9	5076.8	5156.5
117.5°	1038.6	1118.1	1197.8	1217.6	1622.5	2162.3	2432.3	2940.0	3955.5	4717.0	4805.5
120°	1107.8	1182.7	1257.7	1276.4	1646.6	2140.3	2387.1	2851.1	3778.9	4474.7	4560.7
122.5°	1175.5	1251.1	1326.7	1345.6	1681.2	2128.8	2352.5	2770.3	3605.7	4232.4	4317.2
125°	1279.4	1348.3	1417.2	1434.4	1727.9	2119.2	2314.8	2669.7	3379.5	3911.8	3989.9
127.5°	1363.7	1433.2	1502.8	1520.2	1774.5	2113.7	2283.3	2587.9	3197.3	3654.4	3720.3
130°	1408.8	1483.7	1558.6	1577.3	1808.6	2117.1	2271.2	2542.5	3085.0	3491.9	3552.7
132.5°	1455.4	1530.3	1605.3	1624.0	1836.3	2119.2	2260.7	2503.5	2989.2	3353.4	3408.0
135°	1524.7	1592.9	1661.2	1678.2	1866.4	2117.3	2242.7	2446.0	2852.7	3157.8	3204.8
137.5°	1595.5	1663.0	1730.5	1747.4	1911.4	2130.2	2239.6	2411.6	2755.4	3013.2	3051.7
140°	1654.1	1716.3	1778.5	1794.1	1939.1	2132.4	2229.1	2377.5	2674.5	2897.3	2933.3
142.5°	1699.2	1756.8	1814.4	1828.7	1962.1	2140.1	2229.1	2359.5	2620.5	2816.1	2847.0
145°	1768.5	1818.7	1868.9	1881.4	1992.3	2140.1	2214.1	2320.8	2534.1	2694.1	2717.6
147.5°	1837.7	1886.5	1935.4	1947.6	2036.5	2154.9	2214.1	2298.0	2465.9	2591.8	2611.2
150°	1882.9	1927.1	1971.2	1982.3	2059.5	2162.5	2214.1	2285.0	2426.8	2533.1	2548.8
152.5°	1929.6	1963.0	1996.5	2004.9	2074.6	2167.6	2214.1	2274.6	2395.7	2486.5	2498.4
155°	1998.8	2023.6	2048.3	2054.5	2107.7	2178.6	2214.1	2262.2	2358.5	2430.7	2438.6
157.5°	2050.0	2074.0	2098.2	2104.2	2140.8	2189.6	2214.1	2251.5	2326.4	2382.6	2388.1
160°	2084.6	2103.3	2122.1	2126.8	2155.8	2194.7	2214.1	2246.1	2310.4	2358.5	2361.7
162.5°	2119.2	2133.3	2147.3	2150.8	2171.9	2200.0	2214.1	2241.2	2295.4	2336.0	2339.0
165°	2156.8	2169.5	2182.2	2185.4	2195.0	2207.7	2214.1	2233.4	2272.2	2301.3	2304.5
167.5°	2191.5	2197.5	2203.5	2205.0	2213.0	2223.8	2229.1	2241.8	2267.2	2286.3	2287.6
170°	2214.1	2220.1	2226.1	2227.5	2228.0	2228.7	2229.1	2241.8	2267.2	2286.3	2286.3
172.5°	2226.1	2227.4	2228.8	2229.1	2229.1	2229.1	2229.1	2239.2	2259.2	2274.2	2273.1
175°	2242.7	2242.7	2242.7	2242.7	2238.1	2232.1	2229.1	2235.5	2248.2	2257.7	2257.7
177.5°	2242.7	2242.7	2242.7	2242.7	2239.2	2234.4	2232.1	2237.1	2247.1	2254.7	2253.3
180°	2242.7	2242.7	2242.7	2242.7	2242.7	2242.7	2242.7	2242.7	2242.7	2242.7	2242.7



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2060.7	2060.7	2060.7	2060.7	2060.7	2060.7	2060.7	2060.7	2060.7	2060.7	2060.7
2.5°	2113.4	2107.5	2113.4	2109.4	2111.4	2105.5	2088.0	2082.2	2088.0	2093.8	2093.8
5°	2138.7	2134.8	2138.7	2138.7	2136.7	2132.9	2113.4	2109.4	2113.4	2115.3	2111.4
7.5°	2146.5	2140.6	2146.5	2142.6	2142.6	2138.7	2119.2	2115.3	2117.3	2123.1	2117.3
10°	2146.5	2140.6	2146.5	2144.6	2142.6	2138.7	2119.2	2111.4	2111.4	2117.3	2111.4
12.5°	2136.7	2132.9	2136.7	2132.9	2132.9	2129.0	2109.4	2101.7	2103.6	2105.5	2097.8
15°	2121.1	2115.3	2121.1	2117.3	2119.2	2113.4	2091.9	2084.1	2084.1	2088.0	2074.3
17.5°	2097.8	2089.9	2097.8	2095.9	2093.8	2089.9	2070.5	2062.7	2060.7	2062.7	2052.9
20°	2070.5	2064.6	2070.5	2068.5	2068.5	2060.7	2041.2	2031.5	2031.5	2031.5	2021.7
22.5°	2027.5	2021.7	2027.5	2031.5	2031.5	2029.5	2011.9	1998.4	1994.4	1994.4	1982.8
25°	1978.8	1973.0	1978.8	1978.8	1976.9	1978.8	1973.0	1965.2	1959.3	1953.5	1941.8
27.5°	1932.0	1928.1	1932.0	1928.1	1932.0	1926.2	1924.2	1922.3	1914.5	1908.6	1893.0
30°	1885.3	1881.3	1885.3	1881.3	1877.4	1873.6	1863.8	1859.9	1867.7	1863.8	1838.5
32.5°	1826.8	1822.9	1826.8	1826.8	1822.9	1822.9	1807.3	1801.4	1803.4	1815.0	1791.7
35°	1766.3	1760.5	1766.3	1764.4	1766.3	1760.5	1750.7	1748.8	1741.0	1754.7	1737.1
37.5°	1696.1	1690.3	1696.1	1696.1	1696.1	1700.0	1692.3	1686.4	1674.7	1692.3	1678.6
40°	1624.0	1616.2	1624.0	1622.0	1624.0	1627.9	1624.0	1620.1	1608.4	1622.0	1610.4
42.5°	1542.2	1540.1	1542.2	1544.1	1544.1	1551.9	1557.8	1549.9	1546.0	1536.3	1544.1
45°	1454.4	1450.5	1454.4	1458.2	1460.3	1464.2	1481.7	1481.7	1475.9	1460.3	1471.9
47.5°	1360.8	1351.1	1360.8	1372.5	1372.5	1378.4	1395.9	1409.5	1399.8	1380.3	1386.2
50°	1261.3	1263.3	1261.3	1269.2	1269.2	1290.6	1304.3	1317.9	1327.6	1304.3	1276.9
52.5°	1163.9	1161.9	1163.9	1169.8	1177.5	1187.3	1210.7	1224.3	1239.9	1226.3	1183.4
55°	1066.4	1070.4	1066.4	1068.4	1072.3	1078.1	1113.2	1126.9	1156.1	1138.6	1093.7
57.5°	968.9	963.1	968.9	972.9	974.8	980.6	1009.9	1035.2	1052.8	1054.8	1000.1
60°	855.8	848.1	855.8	873.5	877.3	881.2	908.5	931.9	947.5	953.3	896.8
62.5°	756.4	742.8	756.4	768.1	776.0	785.7	805.1	840.3	853.9	855.8	776.0
65°	651.2	645.4	651.2	674.5	676.5	688.2	709.7	735.0	764.3	760.4	645.4
67.5°	555.6	555.6	555.6	571.2	583.0	588.8	616.1	627.8	664.8	668.7	538.1
70°	467.9	466.0	467.9	479.6	487.4	501.1	526.4	540.0	569.3	579.1	436.7
72.5°	384.1	382.1	384.1	393.8	401.7	413.3	434.8	450.4	475.7	487.4	339.2
75°	310.0	306.1	310.0	317.7	315.8	331.4	348.9	364.5	388.0	395.7	251.5
77.5°	237.9	237.9	237.9	245.6	245.6	261.2	269.1	288.6	302.2	313.9	185.2
80°	177.4	175.5	177.4	179.4	179.4	187.1	200.8	214.4	226.2	226.2	126.7
82.5°	124.8	120.8	124.8	124.8	124.8	128.7	136.4	140.4	148.2	154.0	79.9
85°	78.0	78.0	78.0	79.9	78.0	81.9	83.8	87.7	87.7	83.8	48.7
87.5°	50.7	48.7	50.7	48.7	48.7	46.8	46.8	46.8	44.9	42.9	27.3
90°	57.2	57.2	57.2	57.2	57.2	76.3	101.6	114.3	98.3	66.2	42.2
92.5°	229.1	183.6	229.1	274.6	286.0	405.3	564.5	644.2	565.6	408.4	290.5
95°	798.6	660.8	798.6	936.3	970.8	1274.8	1680.1	1882.9	1590.2	1004.9	565.9
97.5°	1913.3	1651.1	1913.3	2175.5	2241.1	2433.3	2689.5	2817.6	2329.6	1353.6	621.6
100°	2756.7	2444.3	2756.7	3069.1	3147.2	3133.2	3114.5	3105.1	2563.6	1480.5	668.3
102.5°	3586.4	3318.8	3586.4	3854.0	3920.9	3676.0	3349.5	3186.4	2637.1	1538.8	714.9
105°	4644.1	4500.3	4644.1	4787.9	4823.9	4275.0	3543.1	3177.3	2645.5	1581.9	784.2
107.5°	5337.0	5371.7	5337.0	5302.2	5293.5	4527.8	3507.1	2996.7	2527.8	1589.9	886.5
110°	5601.2	5751.0	5601.2	5451.4	5413.9	4558.0	3416.8	2846.1	2423.4	1577.8	943.7





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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	5624.8	5854.9	5624.8	5394.7	5337.2	4461.2	3293.2	2709.2	2332.3	1578.3	1012.9
115°	5475.6	5794.7	5475.6	5156.5	5076.8	4232.9	3107.8	2545.2	2227.7	1592.9	1116.8
117.5°	5159.3	5513.2	5159.3	4805.5	4717.0	3955.5	2940.0	2432.3	2162.3	1622.5	1217.6
120°	4904.5	5248.3	4904.5	4560.7	4474.7	3778.9	2851.1	2387.1	2140.3	1646.6	1276.4
122.5°	4656.3	4995.5	4656.3	4317.2	4232.4	3605.7	2770.3	2352.5	2128.8	1681.2	1345.6
125°	4302.3	4614.7	4302.3	3989.9	3911.8	3379.5	2669.7	2314.8	2119.2	1727.9	1434.4
127.5°	3983.8	4247.4	3983.8	3720.3	3654.4	3197.3	2587.9	2283.3	2113.7	1774.5	1520.2
130°	3796.3	4039.8	3796.3	3552.7	3491.9	3085.0	2542.5	2271.2	2117.1	1808.6	1577.3
132.5°	3626.0	3844.0	3626.0	3408.0	3353.4	2989.2	2503.5	2260.7	2119.2	1836.3	1624.0
135°	3392.7	3580.6	3392.7	3204.8	3157.8	2852.7	2446.0	2242.7	2117.3	1866.4	1678.2
137.5°	3205.5	3359.4	3205.5	3051.7	3013.2	2755.4	2411.6	2239.6	2130.2	1911.4	1747.4
140°	3077.2	3221.0	3077.2	2933.3	2897.3	2674.5	2377.5	2229.1	2132.4	1939.1	1794.1
142.5°	2970.8	3094.5	2970.8	2847.0	2816.1	2620.5	2359.5	2229.1	2140.1	1962.1	1828.7
145°	2811.2	2904.9	2811.2	2717.6	2694.1	2534.1	2320.8	2214.1	2140.1	1992.3	1881.4
147.5°	2688.8	2766.4	2688.8	2611.2	2591.8	2465.9	2298.0	2214.1	2154.9	2036.5	1947.6
150°	2611.7	2674.6	2611.7	2548.8	2533.1	2426.8	2285.0	2214.1	2162.5	2059.5	1982.3
152.5°	2545.9	2593.3	2545.9	2498.4	2486.5	2395.7	2274.6	2214.1	2167.6	2074.6	2004.9
155°	2470.1	2501.5	2470.1	2438.6	2430.7	2358.5	2262.2	2214.1	2178.6	2107.7	2054.5
157.5°	2410.2	2432.3	2410.2	2388.1	2382.6	2326.4	2251.5	2214.1	2189.6	2140.8	2104.2
160°	2374.4	2387.1	2374.4	2361.7	2358.5	2310.4	2246.1	2214.1	2194.7	2155.8	2126.8
162.5°	2351.0	2363.0	2351.0	2339.0	2336.0	2295.4	2241.2	2214.1	2200.0	2171.9	2150.8
165°	2317.2	2330.0	2317.2	2304.5	2301.3	2272.2	2233.4	2214.1	2207.7	2195.0	2185.4
167.5°	2292.9	2298.3	2292.9	2287.6	2286.3	2267.2	2241.8	2229.1	2223.8	2213.0	2205.0
170°	2286.3	2286.3	2286.3	2286.3	2286.3	2267.2	2241.8	2229.1	2228.7	2228.0	2227.5
172.5°	2268.3	2263.7	2268.3	2273.1	2274.2	2259.2	2239.2	2229.1	2229.1	2229.1	2229.1
175°	2257.7	2257.7	2257.7	2257.7	2257.7	2248.2	2235.5	2229.1	2232.1	2238.1	2242.7
177.5°	2248.0	2242.7	2248.0	2253.3	2254.7	2247.1	2237.1	2232.1	2234.4	2239.2	2242.7
180°	2242.7	2242.7	2242.7	2242.7	2242.7	2242.7	2242.7	2242.7	2242.7	2242.7	2242.7



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**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2060.7	2060.7	2060.7	2060.7	2060.7	2060.7	2060.7	2060.7	2060.7	2060.7	2060.7
2.5°	2089.9	2078.2	2078.2	2058.7	2051.0	2045.1	2035.4	2006.1	1998.4	1990.5	2002.2
5°	2107.5	2086.1	2070.5	2035.4	2006.1	1994.4	1957.4	1887.2	1840.4	1805.3	1785.9
7.5°	2111.4	2084.1	2054.9	2000.3	1930.1	1898.9	1785.9	1657.2	1622.0	1590.9	1571.3
10°	2107.5	2076.3	2035.4	1953.5	1787.8	1733.2	1620.1	1536.3	1514.8	1509.0	1514.8
12.5°	2093.8	2064.6	2008.1	1871.6	1639.6	1602.5	1536.3	1487.5	1483.6	1493.4	1546.0
15°	2070.5	2043.1	1976.9	1762.4	1557.8	1530.4	1483.6	1466.1	1487.5	1555.7	1713.7
17.5°	2047.1	2015.9	1934.0	1655.2	1495.4	1475.9	1442.6	1477.8	1598.7	1690.3	1742.9
20°	2015.9	1978.8	1885.3	1577.2	1450.5	1433.0	1417.4	1575.3	1666.9	1700.0	1729.3
22.5°	1978.8	1939.8	1819.0	1522.6	1403.7	1390.0	1399.8	1629.9	1666.9	1690.3	1715.6
25°	1930.1	1896.9	1741.0	1479.8	1366.7	1351.1	1388.1	1624.0	1645.5	1651.3	1702.0
27.5°	1885.3	1842.4	1659.1	1440.7	1321.8	1316.0	1397.9	1598.7	1614.3	1620.1	1674.7
30°	1830.6	1766.3	1567.5	1399.8	1275.0	1273.1	1399.8	1567.5	1563.6	1579.2	1633.7
32.5°	1774.1	1653.2	1464.2	1349.1	1230.1	1228.2	1386.2	1520.7	1516.8	1538.2	1579.2
35°	1721.5	1565.5	1323.8	1290.6	1173.7	1175.6	1353.0	1466.1	1468.0	1487.5	1512.9
37.5°	1666.9	1489.4	1169.8	1226.3	1119.1	1119.1	1308.1	1415.4	1411.5	1417.4	1452.4
40°	1602.5	1370.6	1033.2	1142.5	1068.4	1062.5	1253.6	1360.8	1347.2	1345.3	1393.9
42.5°	1534.3	1239.9	931.9	1031.3	1009.9	1002.0	1187.3	1294.5	1269.2	1275.0	1337.4
45°	1460.3	1204.9	853.9	871.4	949.4	943.6	1115.1	1218.5	1201.0	1216.6	1280.9
47.5°	1386.2	1134.7	828.6	723.3	885.1	883.1	1035.2	1144.4	1134.7	1150.3	1218.5
50°	1284.8	1056.7	826.7	620.0	813.0	820.7	939.7	1072.3	1072.3	1086.0	1158.1
52.5°	1154.2	961.2	750.6	561.4	729.2	752.5	855.8	1009.9	1013.8	1027.4	1091.8
55°	1035.2	861.7	696.0	516.7	629.8	680.4	773.9	945.6	953.3	967.0	1025.5
57.5°	926.1	717.4	684.3	464.0	538.1	586.8	701.8	883.1	887.0	898.7	955.3
60°	809.1	518.6	627.8	407.5	458.1	495.2	635.6	809.1	822.7	830.5	879.3
62.5°	676.5	376.3	569.3	368.5	419.2	426.9	581.0	738.9	756.4	762.3	791.6
65°	481.6	315.8	483.5	335.4	378.2	380.1	522.5	666.8	682.4	692.1	713.6
67.5°	325.6	257.4	368.5	304.2	347.0	348.9	466.0	583.0	604.4	612.2	625.8
70°	226.2	171.6	273.0	271.0	311.9	315.8	405.5	506.9	526.4	532.3	540.0
72.5°	165.7	138.4	226.2	243.7	274.9	278.8	343.1	421.1	440.6	446.4	450.4
75°	126.7	146.2	183.2	212.5	233.9	235.9	280.7	343.1	356.8	360.7	362.6
77.5°	101.4	136.4	134.5	171.6	191.1	187.1	220.4	265.1	276.8	276.8	276.8
80°	76.1	107.3	101.4	122.9	140.4	136.4	157.9	189.1	193.0	196.9	195.0
82.5°	56.5	68.2	68.2	78.0	93.6	89.7	105.2	122.9	122.9	122.9	126.7
85°	35.1	39.0	31.2	41.0	52.6	50.7	58.5	66.3	68.2	68.2	64.3
87.5°	21.4	17.5	9.8	15.6	23.4	23.4	27.3	29.3	27.3	27.3	27.3
90°	39.1	27.0	15.0	27.0	39.1	42.2	66.2	98.3	114.3	101.6	76.3
92.5°	264.9	162.5	60.2	162.5	264.9	290.5	408.4	565.6	644.2	564.5	405.3
95°	519.1	331.8	144.5	331.8	519.1	565.9	1004.9	1590.2	1882.9	1680.1	1274.8
97.5°	580.3	415.0	249.8	415.0	580.3	621.6	1353.6	2329.6	2817.6	2689.5	2433.3
100°	630.8	481.0	331.1	481.0	630.8	668.3	1480.5	2563.6	3105.1	3114.5	3133.2
102.5°	679.9	540.2	400.4	540.2	679.9	714.9	1538.8	2637.1	3186.4	3349.5	3676.0
105°	754.6	636.1	517.7	636.1	754.6	784.2	1581.9	2645.5	3177.3	3543.1	4275.0
107.5°	858.9	748.6	638.2	748.6	858.9	886.5	1589.9	2527.8	2996.7	3507.1	4527.8
110°	918.8	819.1	719.5	819.1	918.8	943.7	1577.8	2423.4	2846.1	3416.8	4558.0



TEST NUMBER: P935479

CATALOG NUMBER: SQ4-FA-125U-050D-B2750-1D-UNV-STD-W-12-3500K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	989.2	894.2	799.2	894.2	989.2	1012.9	1578.3	2332.3	2709.2	3293.2	4461.2
115°	1094.9	1007.2	919.6	1007.2	1094.9	1116.8	1592.9	2227.7	2545.2	3107.8	4232.9
117.5°	1197.8	1118.1	1038.6	1118.1	1197.8	1217.6	1622.5	2162.3	2432.3	2940.0	3955.5
120°	1257.7	1182.7	1107.8	1182.7	1257.7	1276.4	1646.6	2140.3	2387.1	2851.1	3778.9
122.5°	1326.7	1251.1	1175.5	1251.1	1326.7	1345.6	1681.2	2128.8	2352.5	2770.3	3605.7
125°	1417.2	1348.3	1279.4	1348.3	1417.2	1434.4	1727.9	2119.2	2314.8	2669.7	3379.5
127.5°	1502.8	1433.2	1363.7	1433.2	1502.8	1520.2	1774.5	2113.7	2283.3	2587.9	3197.3
130°	1558.6	1483.7	1408.8	1483.7	1558.6	1577.3	1808.6	2117.1	2271.2	2542.5	3085.0
132.5°	1605.3	1530.3	1455.4	1530.3	1605.3	1624.0	1836.3	2119.2	2260.7	2503.5	2989.2
135°	1661.2	1592.9	1524.7	1592.9	1661.2	1678.2	1866.4	2117.3	2242.7	2446.0	2852.7
137.5°	1730.5	1663.0	1595.5	1663.0	1730.5	1747.4	1911.4	2130.2	2239.6	2411.6	2755.4
140°	1778.5	1716.3	1654.1	1716.3	1778.5	1794.1	1939.1	2132.4	2229.1	2377.5	2674.5
142.5°	1814.4	1756.8	1699.2	1756.8	1814.4	1828.7	1962.1	2140.1	2229.1	2359.5	2620.5
145°	1868.9	1818.7	1768.5	1818.7	1868.9	1881.4	1992.3	2140.1	2214.1	2320.8	2534.1
147.5°	1935.4	1886.5	1837.7	1886.5	1935.4	1947.6	2036.5	2154.9	2214.1	2298.0	2465.9
150°	1971.2	1927.1	1882.9	1927.1	1971.2	1982.3	2059.5	2162.5	2214.1	2285.0	2426.8
152.5°	1996.5	1963.0	1929.6	1963.0	1996.5	2004.9	2074.6	2167.6	2214.1	2274.6	2395.7
155°	2048.3	2023.6	1998.8	2023.6	2048.3	2054.5	2107.7	2178.6	2214.1	2262.2	2358.5
157.5°	2098.2	2074.0	2050.0	2074.0	2098.2	2104.2	2140.8	2189.6	2214.1	2251.5	2326.4
160°	2122.1	2103.3	2084.6	2103.3	2122.1	2126.8	2155.8	2194.7	2214.1	2246.1	2310.4
162.5°	2147.3	2133.3	2119.2	2133.3	2147.3	2150.8	2171.9	2200.0	2214.1	2241.2	2295.4
165°	2182.2	2169.5	2156.8	2169.5	2182.2	2185.4	2195.0	2207.7	2214.1	2233.4	2272.2
167.5°	2203.5	2197.5	2191.5	2197.5	2203.5	2205.0	2213.0	2223.8	2229.1	2241.8	2267.2
170°	2226.1	2220.1	2214.1	2220.1	2226.1	2227.5	2228.0	2228.7	2229.1	2241.8	2267.2
172.5°	2228.8	2227.4	2226.1	2227.4	2228.8	2229.1	2229.1	2229.1	2229.1	2239.2	2259.2
175°	2242.7	2242.7	2242.7	2242.7	2242.7	2242.7	2238.1	2232.1	2229.1	2235.5	2248.2
177.5°	2242.7	2242.7	2242.7	2242.7	2242.7	2242.7	2239.2	2234.4	2232.1	2237.1	2247.1
180°	2242.7	2242.7	2242.7	2242.7	2242.7	2242.7	2242.7	2242.7	2242.7	2242.7	2242.7



TEST NUMBER: P935479

CATALOG NUMBER: SQ4-FA-125U-050D-B2750-1D-UNV-STD-W-12-3500K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2060.7	2060.7	2060.7	2060.7	2060.7	2060.7	2060.7	2060.7	2060.7	2060.7	2060.7
2.5°	1988.6	1982.8	1990.5	1969.1	1990.5	1982.8	1988.6	2002.2	1990.5	1998.4	2006.1
5°	1744.9	1735.1	1704.0	1678.6	1704.0	1735.1	1744.9	1785.9	1805.3	1840.4	1887.2
7.5°	1559.7	1551.9	1544.1	1528.5	1544.1	1551.9	1559.7	1571.3	1590.9	1622.0	1657.2
10°	1518.7	1520.7	1532.4	1530.4	1532.4	1520.7	1518.7	1514.8	1509.0	1514.8	1536.3
12.5°	1624.0	1641.6	1705.9	1702.0	1705.9	1641.6	1624.0	1546.0	1493.4	1483.6	1487.5
15°	1744.9	1750.7	1764.4	1766.3	1764.4	1750.7	1744.9	1713.7	1555.7	1487.5	1466.1
17.5°	1756.6	1758.5	1768.2	1768.2	1768.2	1758.5	1756.6	1742.9	1690.3	1598.7	1477.8
20°	1746.8	1750.7	1770.3	1774.1	1770.3	1750.7	1746.8	1729.3	1700.0	1666.9	1575.3
22.5°	1742.9	1750.7	1766.3	1764.4	1766.3	1750.7	1742.9	1715.6	1690.3	1666.9	1629.9
25°	1723.5	1723.5	1725.4	1727.3	1725.4	1723.5	1723.5	1702.0	1651.3	1645.5	1624.0
27.5°	1682.5	1686.4	1698.1	1696.1	1698.1	1686.4	1682.5	1674.7	1620.1	1614.3	1598.7
30°	1645.5	1641.6	1631.8	1624.0	1631.8	1641.6	1645.5	1633.7	1579.2	1563.6	1567.5
32.5°	1583.1	1573.3	1563.6	1557.8	1563.6	1573.3	1583.1	1579.2	1538.2	1516.8	1520.7
35°	1509.0	1511.0	1509.0	1503.1	1509.0	1511.0	1509.0	1512.9	1487.5	1468.0	1466.1
37.5°	1456.3	1460.3	1458.2	1450.5	1458.2	1460.3	1456.3	1452.4	1417.4	1411.5	1415.4
40°	1401.8	1403.7	1401.8	1395.9	1401.8	1403.7	1401.8	1393.9	1345.3	1347.2	1360.8
42.5°	1349.1	1347.2	1341.3	1337.4	1341.3	1347.2	1349.1	1337.4	1275.0	1269.2	1294.5
45°	1288.7	1290.6	1278.9	1273.1	1278.9	1290.6	1288.7	1280.9	1216.6	1201.0	1218.5
47.5°	1228.2	1228.2	1218.5	1212.6	1218.5	1228.2	1228.2	1218.5	1150.3	1134.7	1144.4
50°	1163.9	1161.9	1148.3	1146.3	1148.3	1161.9	1163.9	1158.1	1086.0	1072.3	1072.3
52.5°	1089.8	1089.8	1091.8	1095.6	1091.8	1089.8	1089.8	1091.8	1027.4	1013.8	1009.9
55°	1025.5	1027.4	1041.1	1045.0	1041.1	1027.4	1025.5	1025.5	967.0	953.3	945.6
57.5°	959.2	959.2	968.9	968.9	968.9	959.2	959.2	955.3	898.7	887.0	883.1
60°	883.1	887.0	894.9	892.9	894.9	887.0	883.1	879.3	830.5	822.7	809.1
62.5°	803.2	807.2	809.1	805.1	809.1	807.2	803.2	791.6	762.3	756.4	738.9
65°	719.4	723.3	725.2	721.3	725.2	723.3	719.4	713.6	692.1	682.4	666.8
67.5°	633.6	631.7	629.8	637.5	629.8	631.7	633.6	625.8	612.2	604.4	583.0
70°	545.8	545.8	543.9	547.9	543.9	545.8	545.8	540.0	532.3	526.4	506.9
72.5°	452.3	450.4	458.1	452.3	458.1	450.4	452.3	450.4	446.4	440.6	421.1
75°	360.7	364.5	360.7	366.5	360.7	364.5	360.7	362.6	360.7	356.8	343.1
77.5°	274.9	278.8	274.9	274.9	274.9	278.8	274.9	276.8	276.8	276.8	265.1
80°	195.0	193.0	193.0	191.1	193.0	193.0	195.0	195.0	196.9	193.0	189.1
82.5°	124.8	122.9	122.9	126.7	122.9	122.9	124.8	126.7	122.9	122.9	122.9
85°	68.2	70.2	66.3	66.3	66.3	70.2	68.2	64.3	68.2	68.2	66.3
87.5°	25.4	23.4	23.4	23.4	23.4	23.4	25.4	27.3	27.3	27.3	29.3
90°	57.2	57.2	57.2	57.2	57.2	57.2	57.2	76.3	101.6	114.3	98.3
92.5°	286.0	274.6	229.1	183.6	229.1	274.6	286.0	405.3	564.5	644.2	565.6
95°	970.8	936.3	798.6	660.8	798.6	936.3	970.8	1274.8	1680.1	1882.9	1590.2
97.5°	2241.1	2175.5	1913.3	1651.1	1913.3	2175.5	2241.1	2433.3	2689.5	2817.6	2329.6
100°	3147.2	3069.1	2756.7	2444.3	2756.7	3069.1	3147.2	3133.2	3114.5	3105.1	2563.6
102.5°	3920.9	3854.0	3586.4	3318.8	3586.4	3854.0	3920.9	3676.0	3349.5	3186.4	2637.1
105°	4823.9	4787.9	4644.1	4500.3	4644.1	4787.9	4823.9	4275.0	3543.1	3177.3	2645.5
107.5°	5293.5	5302.2	5337.0	5371.7	5337.0	5302.2	5293.5	4527.8	3507.1	2996.7	2527.8
110°	5413.9	5451.4	5601.2	5751.0	5601.2	5451.4	5413.9	4558.0	3416.8	2846.1	2423.4



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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	5337.2	5394.7	5624.8	5854.9	5624.8	5394.7	5337.2	4461.2	3293.2	2709.2	2332.3
115°	5076.8	5156.5	5475.6	5794.7	5475.6	5156.5	5076.8	4232.9	3107.8	2545.2	2227.7
117.5°	4717.0	4805.5	5159.3	5513.2	5159.3	4805.5	4717.0	3955.5	2940.0	2432.3	2162.3
120°	4474.7	4560.7	4904.5	5248.3	4904.5	4560.7	4474.7	3778.9	2851.1	2387.1	2140.3
122.5°	4232.4	4317.2	4656.3	4995.5	4656.3	4317.2	4232.4	3605.7	2770.3	2352.5	2128.8
125°	3911.8	3989.9	4302.3	4614.7	4302.3	3989.9	3911.8	3379.5	2669.7	2314.8	2119.2
127.5°	3654.4	3720.3	3983.8	4247.4	3983.8	3720.3	3654.4	3197.3	2587.9	2283.3	2113.7
130°	3491.9	3552.7	3796.3	4039.8	3796.3	3552.7	3491.9	3085.0	2542.5	2271.2	2117.1
132.5°	3353.4	3408.0	3626.0	3844.0	3626.0	3408.0	3353.4	2989.2	2503.5	2260.7	2119.2
135°	3157.8	3204.8	3392.7	3580.6	3392.7	3204.8	3157.8	2852.7	2446.0	2242.7	2117.3
137.5°	3013.2	3051.7	3205.5	3359.4	3205.5	3051.7	3013.2	2755.4	2411.6	2239.6	2130.2
140°	2897.3	2933.3	3077.2	3221.0	3077.2	2933.3	2897.3	2674.5	2377.5	2229.1	2132.4
142.5°	2816.1	2847.0	2970.8	3094.5	2970.8	2847.0	2816.1	2620.5	2359.5	2229.1	2140.1
145°	2694.1	2717.6	2811.2	2904.9	2811.2	2717.6	2694.1	2534.1	2320.8	2214.1	2140.1
147.5°	2591.8	2611.2	2688.8	2766.4	2688.8	2611.2	2591.8	2465.9	2298.0	2214.1	2154.9
150°	2533.1	2548.8	2611.7	2674.6	2611.7	2548.8	2533.1	2426.8	2285.0	2214.1	2162.5
152.5°	2486.5	2498.4	2545.9	2593.3	2545.9	2498.4	2486.5	2395.7	2274.6	2214.1	2167.6
155°	2430.7	2438.6	2470.1	2501.5	2470.1	2438.6	2430.7	2358.5	2262.2	2214.1	2178.6
157.5°	2382.6	2388.1	2410.2	2432.3	2410.2	2388.1	2382.6	2326.4	2251.5	2214.1	2189.6
160°	2358.5	2361.7	2374.4	2387.1	2374.4	2361.7	2358.5	2310.4	2246.1	2214.1	2194.7
162.5°	2336.0	2339.0	2351.0	2363.0	2351.0	2339.0	2336.0	2295.4	2241.2	2214.1	2200.0
165°	2301.3	2304.5	2317.2	2330.0	2317.2	2304.5	2301.3	2272.2	2233.4	2214.1	2207.7
167.5°	2286.3	2287.6	2292.9	2298.3	2292.9	2287.6	2286.3	2267.2	2241.8	2229.1	2223.8
170°	2286.3	2286.3	2286.3	2286.3	2286.3	2286.3	2286.3	2267.2	2241.8	2229.1	2228.7
172.5°	2274.2	2273.1	2268.3	2263.7	2268.3	2273.1	2274.2	2259.2	2239.2	2229.1	2229.1
175°	2257.7	2257.7	2257.7	2257.7	2257.7	2257.7	2257.7	2248.2	2235.5	2229.1	2232.1
177.5°	2254.7	2253.3	2248.0	2242.7	2248.0	2253.3	2254.7	2247.1	2237.1	2232.1	2234.4
180°	2242.7	2242.7	2242.7	2242.7	2242.7	2242.7	2242.7	2242.7	2242.7	2242.7	2242.7



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	2060.7	2060.7	2060.7	2060.7	2060.7
2.5°	2035.4	2045.1	2051.0	2058.7	2078.2
5°	1957.4	1994.4	2006.1	2035.4	2070.5
7.5°	1785.9	1898.9	1930.1	2000.3	2054.9
10°	1620.1	1733.2	1787.8	1953.5	2035.4
12.5°	1536.3	1602.5	1639.6	1871.6	2008.1
15°	1483.6	1530.4	1557.8	1762.4	1976.9
17.5°	1442.6	1475.9	1495.4	1655.2	1934.0
20°	1417.4	1433.0	1450.5	1577.2	1885.3
22.5°	1399.8	1390.0	1403.7	1522.6	1819.0
25°	1388.1	1351.1	1366.7	1479.8	1741.0
27.5°	1397.9	1316.0	1321.8	1440.7	1659.1
30°	1399.8	1273.1	1275.0	1399.8	1567.5
32.5°	1386.2	1228.2	1230.1	1349.1	1464.2
35°	1353.0	1175.6	1173.7	1290.6	1323.8
37.5°	1308.1	1119.1	1119.1	1226.3	1169.8
40°	1253.6	1062.5	1068.4	1142.5	1033.2
42.5°	1187.3	1002.0	1009.9	1031.3	931.9
45°	1115.1	943.6	949.4	871.4	853.9
47.5°	1035.2	883.1	885.1	723.3	828.6
50°	939.7	820.7	813.0	620.0	826.7
52.5°	855.8	752.5	729.2	561.4	750.6
55°	773.9	680.4	629.8	516.7	696.0
57.5°	701.8	586.8	538.1	464.0	684.3
60°	635.6	495.2	458.1	407.5	627.8
62.5°	581.0	426.9	419.2	368.5	569.3
65°	522.5	380.1	378.2	335.4	483.5
67.5°	466.0	348.9	347.0	304.2	368.5
70°	405.5	315.8	311.9	271.0	273.0
72.5°	343.1	278.8	274.9	243.7	226.2
75°	280.7	235.9	233.9	212.5	183.2
77.5°	220.4	187.1	191.1	171.6	134.5
80°	157.9	136.4	140.4	122.9	101.4
82.5°	105.2	89.7	93.6	78.0	68.2
85°	58.5	50.7	52.6	41.0	31.2
87.5°	27.3	23.4	23.4	15.6	9.8
90°	66.2	42.2	39.1	27.0	15.0
92.5°	408.4	290.5	264.9	162.5	60.2
95°	1004.9	565.9	519.1	331.8	144.5
97.5°	1353.6	621.6	580.3	415.0	249.8
100°	1480.5	668.3	630.8	481.0	331.1
102.5°	1538.8	714.9	679.9	540.2	400.4
105°	1581.9	784.2	754.6	636.1	517.7
107.5°	1589.9	886.5	858.9	748.6	638.2
110°	1577.8	943.7	918.8	819.1	719.5



TEST NUMBER: P935479

CATALOG NUMBER: SQ4-FA-125U-050D-B2750-1D-UNV-STD-W-12-3500K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	1578.3	1012.9	989.2	894.2	799.2
115°	1592.9	1116.8	1094.9	1007.2	919.6
117.5°	1622.5	1217.6	1197.8	1118.1	1038.6
120°	1646.6	1276.4	1257.7	1182.7	1107.8
122.5°	1681.2	1345.6	1326.7	1251.1	1175.5
125°	1727.9	1434.4	1417.2	1348.3	1279.4
127.5°	1774.5	1520.2	1502.8	1433.2	1363.7
130°	1808.6	1577.3	1558.6	1483.7	1408.8
132.5°	1836.3	1624.0	1605.3	1530.3	1455.4
135°	1866.4	1678.2	1661.2	1592.9	1524.7
137.5°	1911.4	1747.4	1730.5	1663.0	1595.5
140°	1939.1	1794.1	1778.5	1716.3	1654.1
142.5°	1962.1	1828.7	1814.4	1756.8	1699.2
145°	1992.3	1881.4	1868.9	1818.7	1768.5
147.5°	2036.5	1947.6	1935.4	1886.5	1837.7
150°	2059.5	1982.3	1971.2	1927.1	1882.9
152.5°	2074.6	2004.9	1996.5	1963.0	1929.6
155°	2107.7	2054.5	2048.3	2023.6	1998.8
157.5°	2140.8	2104.2	2098.2	2074.0	2050.0
160°	2155.8	2126.8	2122.1	2103.3	2084.6
162.5°	2171.9	2150.8	2147.3	2133.3	2119.2
165°	2195.0	2185.4	2182.2	2169.5	2156.8
167.5°	2213.0	2205.0	2203.5	2197.5	2191.5
170°	2228.0	2227.5	2226.1	2220.1	2214.1
172.5°	2229.1	2229.1	2228.8	2227.4	2226.1
175°	2238.1	2242.7	2242.7	2242.7	2242.7
177.5°	2239.2	2242.7	2242.7	2242.7	2242.7
180°	2242.7	2242.7	2242.7	2242.7	2242.7



TEST NUMBER: P935479  
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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	8.59	9.28	9.73	10.40	11.97	11.44	12.13	12.58	13.25	14.82
	3H	9.06	9.67	10.20	10.80	12.38	12.78	13.40	13.92	14.53	16.11
	4H	9.24	9.82	10.39	10.95	12.54	13.22	13.81	14.37	14.94	16.53
	6H	9.35	9.88	10.51	11.02	12.62	13.50	14.04	14.66	15.17	16.77
	8H	9.34	9.85	10.50	11.00	12.60	13.58	14.09	14.74	15.24	16.83
	12H	9.31	9.79	10.47	10.94	12.55	13.61	14.10	14.78	15.24	16.85
4H	2H	9.61	10.19	10.77	11.32	12.91	11.83	12.41	12.99	13.55	15.13
	3H	10.62	11.10	11.78	12.26	13.86	13.33	13.81	14.49	14.97	16.57
	4H	10.89	11.33	12.05	12.48	14.10	13.85	14.30	15.02	15.44	17.06
	6H	11.00	11.38	12.17	12.55	14.16	14.21	14.59	15.38	15.76	17.37
	8H	11.00	11.36	12.17	12.52	14.15	14.32	14.67	15.49	15.84	17.46
	12H	10.96	11.29	12.15	12.46	14.09	14.37	14.69	15.55	15.87	17.50
8H	4H	11.33	11.69	12.50	12.85	14.47	13.96	14.32	15.13	15.48	17.10
	6H	11.58	11.88	12.77	13.08	14.70	14.39	14.69	15.58	15.89	17.52
	8H	11.62	11.88	12.82	13.06	14.71	14.55	14.80	15.74	15.99	17.63
	12H	11.60	11.83	12.80	13.01	14.68	14.64	14.87	15.84	16.05	17.72
12H	4H	11.33	11.65	12.51	12.82	14.46	13.92	14.24	15.10	15.41	17.04
	6H	11.64	11.90	12.84	13.08	14.73	14.39	14.65	15.58	15.83	17.47
	8H	11.70	11.93	12.90	13.11	14.78	14.55	14.77	15.75	15.95	17.63