

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: P935480

Luminaire Tested: SQ4-FA-125U-050D-B2750-1D-UNV-STD-W-12-4000K

Issue Date: 12/17/2024

**Test Information**

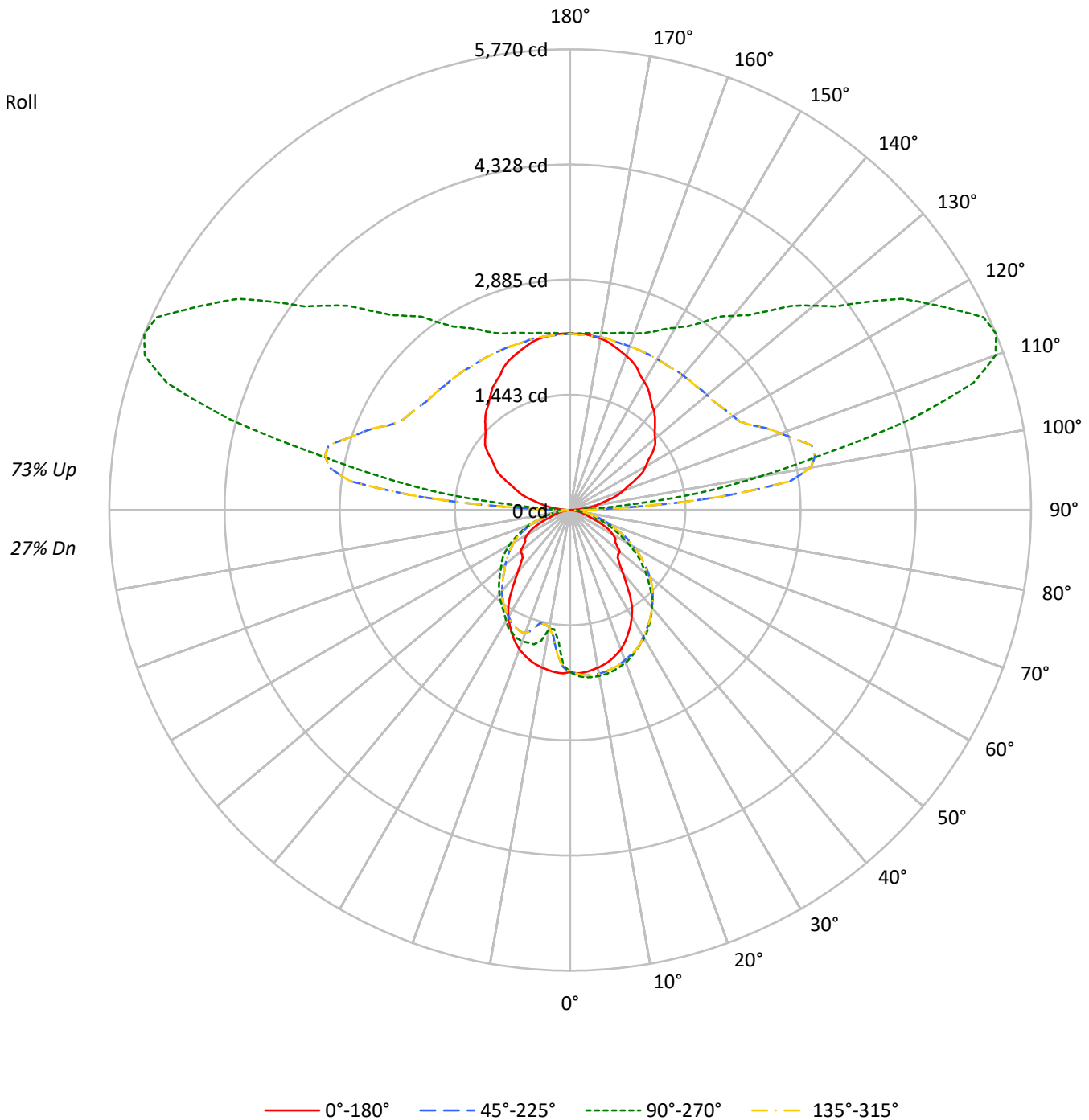
Test Method: LM-79-2019  
Report Number: P935480  
REPORT IS A COMBINATION OF REPORTS P933753 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-125U-050D-B2750-1D-UNV-STD-W-12-4000K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 19602.3 lumens  
Efficiency: N/A  
Efficacy: 137.3 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





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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°	6282	6282	6282	6282
5°	6331	6341	6331	4986
10°	6291	6246	6291	4466
15°	6225	6111	6225	5103
20°	6097	5951	6097	5114
25°	5833	5717	5833	5005
30°	5491	5523	5491	4768
35°	4898	5277	4898	4506
40°	4083	4988	4083	4308
45°	3651	4650	3651	4081
50°	3882	4246	3882	3853
55°	3656	3812	3656	3721
60°	3773	3237	3773	3408
65°	3426	2676	3426	2991
70°	2378	2133	2378	2508
75°	2093	1577	2093	1888
80°	1699	1043	1699	1135
85°	998	552	998	469

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 5592 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	183.3	0.9
10°-20°	520.5	2.7
20°-30°	804.6	4.1
30°-40°	960.6	4.9
40°-50°	966.2	4.9
50°-60°	840.7	4.3
60°-70°	596.1	3.0
70°-80°	315.4	1.6
80°-90°	87.0	0.4
90°-100°	1077.4	5.5
100°-110°	2832.5	14.4
110°-120°	2937.0	15.0
120°-130°	2355.8	12.0
130°-140°	1848.5	9.4
140°-150°	1418.8	7.2
150°-160°	1021.8	5.2
160°-170°	625.2	3.2
170°-180°	211.2	1.1
0°-30°	1508.5	7.7
0°-40°	2469.0	12.6
0°-60°	4275.9	21.8
0°-90°	5274.3	26.9
90°-120°	6846.8	34.9
90°-150°	12469.9	63.6
90°-180°	14328.0	73.1
0°-180°	19602.3	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	2031	2031	2031	2031	2031	
5°	2040	2104	2040	1654	2040	194
15°	1948	2085	1948	1741	1948	548
25°	1716	1944	1716	1702	1716	788
35°	1305	1735	1305	1481	1305	807
45°	842	1430	842	1255	842	674
55°	686	1055	686	1030	686	630
65°	476	636	476	711	476	455
75°	181	302	181	361	181	190
85°	31	77	31	65	31	42
90°	15	56	15	56	15	13
95°	142	651	142	651	142	158
105°	510	4435	510	4435	510	541
115°	906	5711	906	5711	906	895
125°	1261	4548	1261	4548	1261	1119
135°	1503	3529	1503	3529	1503	1163
145°	1743	2863	1743	2863	1743	1092
155°	1970	2465	1970	2465	1970	905
165°	2126	2296	2126	2296	2126	600
175°	2210	2225	2210	2225	2210	210
180°	2210	2210	2210	2210	2210	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2030.9	2030.9	2030.9	2030.9	2030.9	2030.9	2030.9	2030.9	2030.9	2030.9	2030.9
2.5°	2048.2	2048.2	2059.7	2063.6	2063.6	2057.8	2052.1	2057.8	2075.1	2080.8	2078.9
5°	2040.5	2055.9	2077.0	2080.8	2084.8	2082.9	2078.9	2082.9	2102.1	2105.9	2107.8
7.5°	2025.2	2054.0	2080.8	2086.7	2092.4	2086.7	2084.8	2088.6	2107.8	2111.6	2111.6
10°	2006.0	2046.3	2077.0	2080.8	2086.7	2080.8	2080.8	2088.6	2107.8	2111.6	2113.6
12.5°	1979.0	2034.8	2063.6	2067.5	2075.1	2073.2	2071.3	2078.9	2098.2	2102.1	2102.1
15°	1948.3	2013.6	2040.5	2044.4	2057.8	2054.0	2054.0	2061.7	2082.9	2088.6	2086.7
17.5°	1906.1	1986.8	2017.5	2023.3	2032.9	2030.9	2032.9	2040.5	2059.7	2063.6	2065.6
20°	1858.0	1950.2	1986.8	1992.5	2002.2	2002.2	2002.2	2011.7	2030.9	2038.6	2038.6
22.5°	1792.7	1911.8	1950.2	1954.1	1965.6	1965.6	1969.5	1982.9	2000.2	2002.2	2002.2
25°	1715.8	1869.5	1902.2	1913.7	1925.3	1931.0	1936.8	1944.5	1950.2	1948.3	1950.2
27.5°	1635.2	1815.7	1858.0	1865.7	1881.1	1886.8	1894.5	1896.4	1898.3	1904.1	1900.3
30°	1544.8	1740.8	1804.2	1811.9	1836.8	1840.8	1833.0	1836.8	1846.5	1850.3	1854.1
32.5°	1443.0	1629.3	1748.5	1765.8	1788.8	1777.4	1775.3	1781.2	1796.5	1796.5	1800.4
35°	1304.6	1542.9	1696.7	1712.0	1729.3	1715.8	1723.5	1725.4	1735.0	1740.8	1738.9
37.5°	1152.9	1467.9	1642.8	1654.3	1667.8	1650.5	1662.0	1667.8	1675.5	1671.6	1671.6
40°	1018.3	1350.8	1579.4	1587.1	1598.6	1585.2	1596.7	1600.6	1604.4	1600.6	1598.6
42.5°	918.4	1222.0	1512.1	1521.8	1514.1	1523.7	1527.5	1535.3	1529.4	1521.8	1521.8
45°	841.5	1187.4	1439.2	1450.6	1439.2	1454.6	1460.3	1460.3	1443.0	1439.2	1437.2
47.5°	816.6	1118.3	1366.1	1366.1	1360.4	1379.6	1389.1	1375.8	1358.5	1352.7	1352.7
50°	814.7	1041.4	1266.2	1258.5	1285.4	1308.4	1298.9	1285.4	1272.0	1250.9	1250.9
52.5°	739.7	947.3	1137.5	1166.3	1208.6	1222.0	1206.6	1193.2	1170.2	1160.5	1152.9
55°	686.0	849.3	1020.2	1077.9	1122.1	1139.4	1110.6	1097.1	1062.5	1056.8	1053.0
57.5°	674.4	707.1	912.7	985.7	1039.5	1037.6	1020.2	995.3	966.5	960.7	958.8
60°	618.7	511.1	797.4	883.9	939.5	933.8	918.4	895.4	868.5	864.7	860.8
62.5°	561.1	370.8	666.7	764.8	843.5	841.5	828.2	793.5	774.3	764.8	757.0
65°	476.5	311.2	474.6	636.0	749.4	753.2	724.4	699.4	678.2	666.7	664.8
67.5°	363.2	253.6	320.9	530.3	659.0	655.2	618.7	607.2	580.3	574.5	563.0
70°	269.0	169.1	222.9	430.4	570.7	561.1	532.2	518.8	493.8	480.4	472.6
72.5°	222.9	136.4	163.3	334.3	480.4	468.8	443.9	428.5	407.3	395.8	388.1
75°	180.6	144.1	124.9	247.8	390.0	382.4	359.3	343.9	326.6	311.2	313.1
77.5°	132.6	134.5	99.9	182.5	309.3	297.9	284.4	265.2	257.5	242.1	242.1
80°	99.9	105.7	75.0	124.9	222.9	222.9	211.3	197.9	184.4	176.8	176.8
82.5°	67.2	67.2	55.7	78.8	151.7	146.0	138.4	134.5	126.8	123.0	123.0
85°	30.8	38.4	34.6	48.0	82.6	86.4	86.4	82.6	80.7	76.9	78.8
87.5°	9.6	17.3	21.1	26.9	42.3	44.2	46.1	46.1	46.1	48.0	48.0
90°	14.8	26.6	38.6	41.5	65.2	96.8	112.7	100.2	75.2	56.3	56.3
92.5°	59.3	160.2	261.1	286.3	402.5	557.4	634.9	556.4	399.5	281.8	270.6
95°	142.4	327.0	511.6	557.7	990.3	1567.3	1855.7	1655.9	1256.4	956.8	922.8
97.5°	246.2	409.0	571.9	612.6	1334.0	2295.9	2776.9	2650.6	2398.1	2208.7	2144.1
100°	326.3	474.1	621.7	658.7	1459.1	2526.5	3060.2	3069.5	3087.9	3101.7	3024.8
102.5°	394.6	532.4	670.1	704.6	1516.5	2599.0	3140.3	3301.1	3622.9	3864.2	3798.3
105°	510.3	627.0	743.7	772.9	1559.0	2607.2	3131.3	3492.0	4213.3	4754.2	4718.8
107.5°	629.0	737.7	846.5	873.7	1567.0	2491.3	2953.4	3456.4	4462.4	5217.0	5225.6
110°	709.1	807.3	905.5	930.1	1555.0	2388.4	2805.0	3367.4	4492.1	5335.7	5372.6



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	787.7	881.3	974.9	998.3	1555.5	2298.6	2670.1	3245.7	4396.7	5260.0	5316.8
115°	906.3	992.6	1079.1	1100.6	1569.9	2195.5	2508.4	3062.9	4171.7	5003.4	5082.0
117.5°	1023.6	1102.0	1180.5	1200.1	1599.1	2131.1	2397.1	2897.6	3898.3	4648.8	4736.0
120°	1091.8	1165.6	1239.5	1257.9	1622.8	2109.4	2352.6	2809.9	3724.3	4410.1	4494.8
122.5°	1158.5	1233.0	1307.5	1326.1	1656.9	2098.0	2318.5	2730.2	3553.7	4171.2	4254.8
125°	1260.9	1328.8	1396.7	1413.7	1703.0	2088.6	2281.4	2631.1	3330.7	3855.2	3932.2
127.5°	1344.0	1412.5	1481.1	1498.2	1748.9	2083.1	2250.3	2550.5	3151.1	3601.6	3666.5
130°	1388.5	1462.3	1536.1	1554.5	1782.5	2086.5	2238.4	2505.7	3040.4	3441.4	3501.4
132.5°	1434.4	1508.2	1582.1	1600.6	1809.7	2088.6	2228.0	2467.3	2946.0	3305.0	3358.7
135°	1502.7	1569.9	1637.2	1654.0	1839.4	2086.7	2210.3	2410.7	2811.5	3112.2	3158.5
137.5°	1572.4	1639.0	1705.5	1722.2	1883.8	2099.5	2207.3	2376.7	2715.5	2969.7	3007.6
140°	1630.2	1691.5	1752.8	1768.2	1911.1	2101.6	2196.9	2343.2	2635.9	2855.4	2890.9
142.5°	1674.7	1731.4	1788.1	1802.3	1933.8	2109.2	2196.9	2325.4	2582.6	2775.4	2805.9
145°	1743.0	1792.4	1841.9	1854.2	1963.5	2109.2	2182.1	2287.2	2497.5	2655.2	2678.3
147.5°	1811.2	1859.3	1907.4	1919.5	2007.0	2123.7	2182.1	2264.8	2430.3	2554.3	2573.4
150°	1855.7	1899.2	1942.8	1953.6	2029.8	2131.3	2182.1	2252.0	2391.7	2496.5	2511.9
152.5°	1901.7	1934.6	1967.7	1975.9	2044.7	2136.2	2182.1	2241.8	2361.0	2450.5	2462.3
155°	1969.9	1994.3	2018.7	2024.8	2077.2	2147.1	2182.1	2229.5	2324.5	2395.6	2403.4
157.5°	2020.4	2044.1	2067.9	2073.8	2109.9	2158.0	2182.1	2218.9	2292.8	2348.2	2353.6
160°	2054.5	2072.9	2091.4	2096.0	2124.7	2163.0	2182.1	2213.7	2277.0	2324.5	2327.6
162.5°	2088.6	2102.4	2116.3	2119.7	2140.5	2168.2	2182.1	2208.8	2262.2	2302.2	2305.2
165°	2125.6	2138.1	2150.7	2153.8	2163.3	2175.8	2182.1	2201.2	2239.4	2268.0	2271.2
167.5°	2159.8	2165.7	2171.7	2173.1	2181.0	2191.6	2196.9	2209.4	2234.4	2253.2	2254.6
170°	2182.1	2188.0	2193.9	2195.4	2195.8	2196.5	2196.9	2209.4	2234.4	2253.2	2253.2
172.5°	2193.9	2195.3	2196.6	2196.9	2196.9	2196.9	2196.9	2206.8	2226.6	2241.4	2240.2
175°	2210.3	2210.3	2210.3	2210.3	2205.8	2199.8	2196.9	2203.2	2215.7	2225.1	2225.1
177.5°	2210.3	2210.3	2210.3	2210.3	2206.8	2202.1	2199.8	2204.8	2214.6	2222.1	2220.8
180°	2210.3	2210.3	2210.3	2210.3	2210.3	2210.3	2210.3	2210.3	2210.3	2210.3	2210.3



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2030.9	2030.9	2030.9	2030.9	2030.9	2030.9	2030.9	2030.9	2030.9	2030.9	2030.9
2.5°	2082.9	2077.0	2082.9	2078.9	2080.8	2075.1	2057.8	2052.1	2057.8	2063.6	2063.6
5°	2107.8	2104.0	2107.8	2107.8	2105.9	2102.1	2082.9	2078.9	2082.9	2084.8	2080.8
7.5°	2115.5	2109.7	2115.5	2111.6	2111.6	2107.8	2088.6	2084.8	2086.7	2092.4	2086.7
10°	2115.5	2109.7	2115.5	2113.6	2111.6	2107.8	2088.6	2080.8	2080.8	2086.7	2080.8
12.5°	2105.9	2102.1	2105.9	2102.1	2102.1	2098.2	2078.9	2071.3	2073.2	2075.1	2067.5
15°	2090.5	2084.8	2090.5	2086.7	2088.6	2082.9	2061.7	2054.0	2054.0	2057.8	2044.4
17.5°	2067.5	2059.7	2067.5	2065.6	2063.6	2059.7	2040.5	2032.9	2030.9	2032.9	2023.3
20°	2040.5	2034.8	2040.5	2038.6	2038.6	2030.9	2011.7	2002.2	2002.2	2002.2	1992.5
22.5°	1998.2	1992.5	1998.2	2002.2	2002.2	2000.2	1982.9	1969.5	1965.6	1965.6	1954.1
25°	1950.2	1944.5	1950.2	1950.2	1948.3	1950.2	1944.5	1936.8	1931.0	1925.3	1913.7
27.5°	1904.1	1900.3	1904.1	1900.3	1904.1	1898.3	1896.4	1894.5	1886.8	1881.1	1865.7
30°	1858.0	1854.1	1858.0	1854.1	1850.3	1846.5	1836.8	1833.0	1840.8	1836.8	1811.9
32.5°	1800.4	1796.5	1800.4	1800.4	1796.5	1796.5	1781.2	1775.3	1777.4	1788.8	1765.8
35°	1740.8	1735.0	1740.8	1738.9	1740.8	1735.0	1725.4	1723.5	1715.8	1729.3	1712.0
37.5°	1671.6	1665.9	1671.6	1671.6	1671.6	1675.5	1667.8	1662.0	1650.5	1667.8	1654.3
40°	1600.6	1592.8	1600.6	1598.6	1600.6	1604.4	1600.6	1596.7	1585.2	1598.6	1587.1
42.5°	1519.9	1517.9	1519.9	1521.8	1521.8	1529.4	1535.3	1527.5	1523.7	1514.1	1521.8
45°	1433.4	1429.5	1433.4	1437.2	1439.2	1443.0	1460.3	1460.3	1454.6	1439.2	1450.6
47.5°	1341.1	1331.6	1341.1	1352.7	1352.7	1358.5	1375.8	1389.1	1379.6	1360.4	1366.1
50°	1243.1	1245.0	1243.1	1250.9	1250.9	1272.0	1285.4	1298.9	1308.4	1285.4	1258.5
52.5°	1147.1	1145.1	1147.1	1152.9	1160.5	1170.2	1193.2	1206.6	1222.0	1208.6	1166.3
55°	1051.0	1054.9	1051.0	1053.0	1056.8	1062.5	1097.1	1110.6	1139.4	1122.1	1077.9
57.5°	954.9	949.2	954.9	958.8	960.7	966.5	995.3	1020.2	1037.6	1039.5	985.7
60°	843.5	835.8	843.5	860.8	864.7	868.5	895.4	918.4	933.8	939.5	883.9
62.5°	745.5	732.1	745.5	757.0	764.8	774.3	793.5	828.2	841.5	843.5	764.8
65°	641.8	636.0	641.8	664.8	666.7	678.2	699.4	724.4	753.2	749.4	636.0
67.5°	547.6	547.6	547.6	563.0	574.5	580.3	607.2	618.7	655.2	659.0	530.3
70°	461.2	459.3	461.2	472.6	480.4	493.8	518.8	532.2	561.1	570.7	430.4
72.5°	378.6	376.6	378.6	388.1	395.8	407.3	428.5	443.9	468.8	480.4	334.3
75°	305.5	301.7	305.5	313.1	311.2	326.6	343.9	359.3	382.4	390.0	247.8
77.5°	234.5	234.5	234.5	242.1	242.1	257.5	265.2	284.4	297.9	309.3	182.5
80°	174.9	173.0	174.9	176.8	176.8	184.4	197.9	211.3	222.9	222.9	124.9
82.5°	123.0	119.1	123.0	123.0	123.0	126.8	134.5	138.4	146.0	151.7	78.8
85°	76.9	76.9	76.9	78.8	76.9	80.7	82.6	86.4	86.4	82.6	48.0
87.5°	49.9	48.0	49.9	48.0	48.0	46.1	46.1	46.1	44.2	42.3	26.9
90°	56.3	56.3	56.3	56.3	56.3	75.2	100.2	112.7	96.8	65.2	41.5
92.5°	225.8	181.0	225.8	270.6	281.8	399.5	556.4	634.9	557.4	402.5	286.3
95°	787.0	651.2	787.0	922.8	956.8	1256.4	1655.9	1855.7	1567.3	990.3	557.7
97.5°	1885.6	1627.2	1885.6	2144.1	2208.7	2398.1	2650.6	2776.9	2295.9	1334.0	612.6
100°	2716.9	2409.0	2716.9	3024.8	3101.7	3087.9	3069.5	3060.2	2526.5	1459.1	658.7
102.5°	3534.6	3270.9	3534.6	3798.3	3864.2	3622.9	3301.1	3140.3	2599.0	1516.5	704.6
105°	4577.0	4435.3	4577.0	4718.8	4754.2	4213.3	3492.0	3131.3	2607.2	1559.0	772.9
107.5°	5259.9	5294.1	5259.9	5225.6	5217.0	4462.4	3456.4	2953.4	2491.3	1567.0	873.7
110°	5520.3	5667.9	5520.3	5372.6	5335.7	4492.1	3367.4	2805.0	2388.4	1555.0	930.1





TEST NUMBER: P935480

CATALOG NUMBER: SQ4-FA-125U-050D-B2750-1D-UNV-STD-W-12-4000K

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	5543.5	5770.3	5543.5	5316.8	5260.0	4396.7	3245.7	2670.1	2298.6	1555.5	998.3
115°	5396.5	5711.0	5396.5	5082.0	5003.4	4171.7	3062.9	2508.4	2195.5	1569.9	1100.6
117.5°	5084.8	5433.6	5084.8	4736.0	4648.8	3898.3	2897.6	2397.1	2131.1	1599.1	1200.1
120°	4833.6	5172.5	4833.6	4494.8	4410.1	3724.3	2809.9	2352.6	2109.4	1622.8	1257.9
122.5°	4589.1	4923.3	4589.1	4254.8	4171.2	3553.7	2730.2	2318.5	2098.0	1656.9	1326.1
125°	4240.1	4548.0	4240.1	3932.2	3855.2	3330.7	2631.1	2281.4	2088.6	1703.0	1413.7
127.5°	3926.3	4186.1	3926.3	3666.5	3601.6	3151.1	2550.5	2250.3	2083.1	1748.9	1498.2
130°	3741.4	3981.4	3741.4	3501.4	3441.4	3040.4	2505.7	2238.4	2086.5	1782.5	1554.5
132.5°	3573.6	3788.5	3573.6	3358.7	3305.0	2946.0	2467.3	2228.0	2088.6	1809.7	1600.6
135°	3343.6	3528.9	3343.6	3158.5	3112.2	2811.5	2410.7	2210.3	2086.7	1839.4	1654.0
137.5°	3159.2	3310.9	3159.2	3007.6	2969.7	2715.5	2376.7	2207.3	2099.5	1883.8	1722.2
140°	3032.7	3174.4	3032.7	2890.9	2855.4	2635.9	2343.2	2196.9	2101.6	1911.1	1768.2
142.5°	2927.8	3049.8	2927.8	2805.9	2775.4	2582.6	2325.4	2196.9	2109.2	1933.8	1802.3
145°	2770.6	2862.9	2770.6	2678.3	2655.2	2497.5	2287.2	2182.1	2109.2	1963.5	1854.2
147.5°	2649.9	2726.4	2649.9	2573.4	2554.3	2430.3	2264.8	2182.1	2123.7	2007.0	1919.5
150°	2574.0	2636.0	2574.0	2511.9	2496.5	2391.7	2252.0	2182.1	2131.3	2029.8	1953.6
152.5°	2509.1	2555.9	2509.1	2462.3	2450.5	2361.0	2241.8	2182.1	2136.2	2044.7	1975.9
155°	2434.4	2465.3	2434.4	2403.4	2395.6	2324.5	2229.5	2182.1	2147.1	2077.2	2024.8
157.5°	2375.4	2397.1	2375.4	2353.6	2348.2	2292.8	2218.9	2182.1	2158.0	2109.9	2073.8
160°	2340.1	2352.6	2340.1	2327.6	2324.5	2277.0	2213.7	2182.1	2163.0	2124.7	2096.0
162.5°	2317.0	2328.9	2317.0	2305.2	2302.2	2262.2	2208.8	2182.1	2168.2	2140.5	2119.7
165°	2283.7	2296.3	2283.7	2271.2	2268.0	2239.4	2201.2	2182.1	2175.8	2163.3	2153.8
167.5°	2259.8	2265.1	2259.8	2254.6	2253.2	2234.4	2209.4	2196.9	2191.6	2181.0	2173.1
170°	2253.2	2253.2	2253.2	2253.2	2253.2	2234.4	2209.4	2196.9	2196.5	2195.8	2195.4
172.5°	2235.6	2231.0	2235.6	2240.2	2241.4	2226.6	2206.8	2196.9	2196.9	2196.9	2196.9
175°	2225.1	2225.1	2225.1	2225.1	2225.1	2215.7	2203.2	2196.9	2199.8	2205.8	2210.3
177.5°	2215.5	2210.3	2215.5	2220.8	2222.1	2214.6	2204.8	2199.8	2202.1	2206.8	2210.3
180°	2210.3	2210.3	2210.3	2210.3	2210.3	2210.3	2210.3	2210.3	2210.3	2210.3	2210.3



TEST NUMBER: P935480

CATALOG NUMBER: SQ4-FA-125U-050D-B2750-1D-UNV-STD-W-12-4000K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2030.9	2030.9	2030.9	2030.9	2030.9	2030.9	2030.9	2030.9	2030.9	2030.9	2030.9
2.5°	2059.7	2048.2	2048.2	2029.0	2021.4	2015.5	2006.0	1977.1	1969.5	1961.8	1973.3
5°	2077.0	2055.9	2040.5	2006.0	1977.1	1965.6	1929.1	1860.0	1813.8	1779.3	1760.1
7.5°	2080.8	2054.0	2025.2	1971.4	1902.2	1871.4	1760.1	1633.2	1598.6	1567.9	1548.6
10°	2077.0	2046.3	2006.0	1925.3	1762.0	1708.1	1596.7	1514.1	1493.0	1487.2	1493.0
12.5°	2063.6	2034.8	1979.0	1844.6	1616.0	1579.4	1514.1	1466.0	1462.2	1471.8	1523.7
15°	2040.5	2013.6	1948.3	1737.0	1535.3	1508.3	1462.2	1444.9	1466.0	1533.3	1688.9
17.5°	2017.5	1986.8	1906.1	1631.3	1473.8	1454.6	1421.8	1456.5	1575.6	1665.9	1717.8
20°	1986.8	1950.2	1858.0	1554.5	1429.5	1412.3	1396.9	1552.5	1642.8	1675.5	1704.3
22.5°	1950.2	1911.8	1792.7	1500.6	1383.4	1369.9	1379.6	1606.3	1642.8	1665.9	1690.8
25°	1902.2	1869.5	1715.8	1458.4	1346.9	1331.6	1368.0	1600.6	1621.7	1627.4	1677.4
27.5°	1858.0	1815.7	1635.2	1419.9	1302.7	1297.0	1377.7	1575.6	1590.9	1596.7	1650.5
30°	1804.2	1740.8	1544.8	1379.6	1256.6	1254.7	1379.6	1544.8	1541.0	1556.4	1610.1
32.5°	1748.5	1629.3	1443.0	1329.6	1212.4	1210.5	1366.1	1498.7	1494.9	1516.0	1556.4
35°	1696.7	1542.9	1304.6	1272.0	1156.7	1158.6	1333.5	1444.9	1446.8	1466.0	1491.0
37.5°	1642.8	1467.9	1152.9	1208.6	1102.9	1102.9	1289.2	1395.0	1391.1	1396.9	1431.4
40°	1579.4	1350.8	1018.3	1125.9	1053.0	1047.2	1235.5	1341.1	1327.7	1325.8	1373.8
42.5°	1512.1	1222.0	918.4	1016.4	995.3	987.6	1170.2	1275.8	1250.9	1256.6	1318.1
45°	1439.2	1187.4	841.5	858.8	935.7	930.0	1099.0	1200.9	1183.6	1199.0	1262.4
47.5°	1366.1	1118.3	816.6	712.8	872.3	870.4	1020.2	1127.9	1118.3	1133.7	1200.9
50°	1266.2	1041.4	814.7	611.0	801.2	808.9	926.2	1056.8	1056.8	1070.3	1141.3
52.5°	1137.5	947.3	739.7	553.3	718.6	741.7	843.5	995.3	999.1	1012.6	1076.0
55°	1020.2	849.3	686.0	509.2	620.7	670.6	762.8	931.9	939.5	953.0	1010.7
57.5°	912.7	707.1	674.4	457.3	530.3	578.3	691.7	870.4	874.2	885.8	941.5
60°	797.4	511.1	618.7	401.6	451.5	488.0	626.4	797.4	810.8	818.5	866.6
62.5°	666.7	370.8	561.1	363.2	413.1	420.8	572.6	728.2	745.5	751.3	780.1
65°	474.6	311.2	476.5	330.5	372.7	374.6	514.9	657.1	672.5	682.1	703.3
67.5°	320.9	253.6	363.2	299.8	342.0	343.9	459.3	574.5	595.6	603.4	616.7
70°	222.9	169.1	269.0	267.1	307.4	311.2	399.7	499.6	518.8	524.6	532.2
72.5°	163.3	136.4	222.9	240.2	270.9	274.8	338.2	415.0	434.2	440.0	443.9
75°	124.9	144.1	180.6	209.4	230.5	232.4	276.7	338.2	351.6	355.5	357.4
77.5°	99.9	134.5	132.6	169.1	188.3	184.4	217.2	261.3	272.8	272.8	272.8
80°	75.0	105.7	99.9	121.1	138.4	134.5	155.7	186.4	190.2	194.1	192.1
82.5°	55.7	67.2	67.2	76.9	92.3	88.4	103.7	121.1	121.1	121.1	124.9
85°	34.6	38.4	30.8	40.4	51.9	49.9	57.7	65.3	67.2	67.2	63.4
87.5°	21.1	17.3	9.6	15.4	23.0	23.0	26.9	28.8	26.9	26.9	26.9
90°	38.6	26.6	14.8	26.6	38.6	41.5	65.2	96.8	112.7	100.2	75.2
92.5°	261.1	160.2	59.3	160.2	261.1	286.3	402.5	557.4	634.9	556.4	399.5
95°	511.6	327.0	142.4	327.0	511.6	557.7	990.3	1567.3	1855.7	1655.9	1256.4
97.5°	571.9	409.0	246.2	409.0	571.9	612.6	1334.0	2295.9	2776.9	2650.6	2398.1
100°	621.7	474.1	326.3	474.1	621.7	658.7	1459.1	2526.5	3060.2	3069.5	3087.9
102.5°	670.1	532.4	394.6	532.4	670.1	704.6	1516.5	2599.0	3140.3	3301.1	3622.9
105°	743.7	627.0	510.3	627.0	743.7	772.9	1559.0	2607.2	3131.3	3492.0	4213.3
107.5°	846.5	737.7	629.0	737.7	846.5	873.7	1567.0	2491.3	2953.4	3456.4	4462.4
110°	905.5	807.3	709.1	807.3	905.5	930.1	1555.0	2388.4	2805.0	3367.4	4492.1



TEST NUMBER: P935480

CATALOG NUMBER: SQ4-FA-125U-050D-B2750-1D-UNV-STD-W-12-4000K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	974.9	881.3	787.7	881.3	974.9	998.3	1555.5	2298.6	2670.1	3245.7	4396.7
115°	1079.1	992.6	906.3	992.6	1079.1	1100.6	1569.9	2195.5	2508.4	3062.9	4171.7
117.5°	1180.5	1102.0	1023.6	1102.0	1180.5	1200.1	1599.1	2131.1	2397.1	2897.6	3898.3
120°	1239.5	1165.6	1091.8	1165.6	1239.5	1257.9	1622.8	2109.4	2352.6	2809.9	3724.3
122.5°	1307.5	1233.0	1158.5	1233.0	1307.5	1326.1	1656.9	2098.0	2318.5	2730.2	3553.7
125°	1396.7	1328.8	1260.9	1328.8	1396.7	1413.7	1703.0	2088.6	2281.4	2631.1	3330.7
127.5°	1481.1	1412.5	1344.0	1412.5	1481.1	1498.2	1748.9	2083.1	2250.3	2550.5	3151.1
130°	1536.1	1462.3	1388.5	1462.3	1536.1	1554.5	1782.5	2086.5	2238.4	2505.7	3040.4
132.5°	1582.1	1508.2	1434.4	1508.2	1582.1	1600.6	1809.7	2088.6	2228.0	2467.3	2946.0
135°	1637.2	1569.9	1502.7	1569.9	1637.2	1654.0	1839.4	2086.7	2210.3	2410.7	2811.5
137.5°	1705.5	1639.0	1572.4	1639.0	1705.5	1722.2	1883.8	2099.5	2207.3	2376.7	2715.5
140°	1752.8	1691.5	1630.2	1691.5	1752.8	1768.2	1911.1	2101.6	2196.9	2343.2	2635.9
142.5°	1788.1	1731.4	1674.7	1731.4	1788.1	1802.3	1933.8	2109.2	2196.9	2325.4	2582.6
145°	1841.9	1792.4	1743.0	1792.4	1841.9	1854.2	1963.5	2109.2	2182.1	2287.2	2497.5
147.5°	1907.4	1859.3	1811.2	1859.3	1907.4	1919.5	2007.0	2123.7	2182.1	2264.8	2430.3
150°	1942.8	1899.2	1855.7	1899.2	1942.8	1953.6	2029.8	2131.3	2182.1	2252.0	2391.7
152.5°	1967.7	1934.6	1901.7	1934.6	1967.7	1975.9	2044.7	2136.2	2182.1	2241.8	2361.0
155°	2018.7	1994.3	1969.9	1994.3	2018.7	2024.8	2077.2	2147.1	2182.1	2229.5	2324.5
157.5°	2067.9	2044.1	2020.4	2044.1	2067.9	2073.8	2109.9	2158.0	2182.1	2218.9	2292.8
160°	2091.4	2072.9	2054.5	2072.9	2091.4	2096.0	2124.7	2163.0	2182.1	2213.7	2277.0
162.5°	2116.3	2102.4	2088.6	2102.4	2116.3	2119.7	2140.5	2168.2	2182.1	2208.8	2262.2
165°	2150.7	2138.1	2125.6	2138.1	2150.7	2153.8	2163.3	2175.8	2182.1	2201.2	2239.4
167.5°	2171.7	2165.7	2159.8	2165.7	2171.7	2173.1	2181.0	2191.6	2196.9	2209.4	2234.4
170°	2193.9	2188.0	2182.1	2188.0	2193.9	2195.4	2195.8	2196.5	2196.9	2209.4	2234.4
172.5°	2196.6	2195.3	2193.9	2195.3	2196.6	2196.9	2196.9	2196.9	2196.9	2206.8	2226.6
175°	2210.3	2210.3	2210.3	2210.3	2210.3	2210.3	2205.8	2199.8	2196.9	2203.2	2215.7
177.5°	2210.3	2210.3	2210.3	2210.3	2210.3	2210.3	2206.8	2202.1	2199.8	2204.8	2214.6
180°	2210.3	2210.3	2210.3	2210.3	2210.3	2210.3	2210.3	2210.3	2210.3	2210.3	2210.3



TEST NUMBER: P935480  
 CATALOG NUMBER: SQ4-FA-125U-050D-B2750-1D-UNV-STD-W-12-4000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2030.9	2030.9	2030.9	2030.9	2030.9	2030.9	2030.9	2030.9	2030.9	2030.9	2030.9
2.5°	1959.9	1954.1	1961.8	1940.7	1961.8	1954.1	1959.9	1973.3	1961.8	1969.5	1977.1
5°	1719.7	1710.0	1679.4	1654.3	1679.4	1710.0	1719.7	1760.1	1779.3	1813.8	1860.0
7.5°	1537.2	1529.4	1521.8	1506.4	1521.8	1529.4	1537.2	1548.6	1567.9	1598.6	1633.2
10°	1496.8	1498.7	1510.2	1508.3	1510.2	1498.7	1496.8	1493.0	1487.2	1493.0	1514.1
12.5°	1600.6	1617.9	1681.3	1677.4	1681.3	1617.9	1600.6	1523.7	1471.8	1462.2	1466.0
15°	1719.7	1725.4	1738.9	1740.8	1738.9	1725.4	1719.7	1688.9	1533.3	1466.0	1444.9
17.5°	1731.2	1733.1	1742.7	1742.7	1742.7	1733.1	1731.2	1717.8	1665.9	1575.6	1456.5
20°	1721.6	1725.4	1744.7	1748.5	1744.7	1725.4	1721.6	1704.3	1675.5	1642.8	1552.5
22.5°	1717.8	1725.4	1740.8	1738.9	1740.8	1725.4	1717.8	1690.8	1665.9	1642.8	1606.3
25°	1698.6	1698.6	1700.5	1702.4	1700.5	1698.6	1698.6	1677.4	1627.4	1621.7	1600.6
27.5°	1658.2	1662.0	1673.5	1671.6	1673.5	1662.0	1658.2	1650.5	1596.7	1590.9	1575.6
30°	1621.7	1617.9	1608.2	1600.6	1608.2	1617.9	1621.7	1610.1	1556.4	1541.0	1544.8
32.5°	1560.2	1550.5	1541.0	1535.3	1541.0	1550.5	1560.2	1556.4	1516.0	1494.9	1498.7
35°	1487.2	1489.1	1487.2	1481.4	1487.2	1489.1	1487.2	1491.0	1466.0	1446.8	1444.9
37.5°	1435.3	1439.2	1437.2	1429.5	1437.2	1439.2	1435.3	1431.4	1396.9	1391.1	1395.0
40°	1381.5	1383.4	1381.5	1375.8	1381.5	1383.4	1381.5	1373.8	1325.8	1327.7	1341.1
42.5°	1329.6	1327.7	1321.9	1318.1	1321.9	1327.7	1329.6	1318.1	1256.6	1250.9	1275.8
45°	1270.1	1272.0	1260.4	1254.7	1260.4	1272.0	1270.1	1262.4	1199.0	1183.6	1200.9
47.5°	1210.5	1210.5	1200.9	1195.1	1200.9	1210.5	1210.5	1200.9	1133.7	1118.3	1127.9
50°	1147.1	1145.1	1131.7	1129.8	1131.7	1145.1	1147.1	1141.3	1070.3	1056.8	1056.8
52.5°	1074.1	1074.1	1076.0	1079.8	1076.0	1074.1	1074.1	1076.0	1012.6	999.1	995.3
55°	1010.7	1012.6	1026.1	1029.9	1026.1	1012.6	1010.7	1010.7	953.0	939.5	931.9
57.5°	945.4	945.4	954.9	954.9	954.9	945.4	945.4	941.5	885.8	874.2	870.4
60°	870.4	874.2	881.9	880.0	881.9	874.2	870.4	866.6	818.5	810.8	797.4
62.5°	791.6	795.5	797.4	793.5	797.4	795.5	791.6	780.1	751.3	745.5	728.2
65°	709.0	712.8	714.7	710.9	714.7	712.8	709.0	703.3	682.1	672.5	657.1
67.5°	624.5	622.6	620.7	628.3	620.7	622.6	624.5	616.7	603.4	595.6	574.5
70°	538.0	538.0	536.0	540.0	536.0	538.0	538.0	532.2	524.6	518.8	499.6
72.5°	445.8	443.9	451.5	445.8	451.5	443.9	445.8	443.9	440.0	434.2	415.0
75°	355.5	359.3	355.5	361.2	355.5	359.3	355.5	357.4	355.5	351.6	338.2
77.5°	270.9	274.8	270.9	270.9	270.9	274.8	270.9	272.8	272.8	272.8	261.3
80°	192.1	190.2	190.2	188.3	190.2	190.2	192.1	192.1	194.1	190.2	186.4
82.5°	123.0	121.1	121.1	124.9	121.1	121.1	123.0	124.9	121.1	121.1	121.1
85°	67.2	69.1	65.3	65.3	65.3	69.1	67.2	63.4	67.2	67.2	65.3
87.5°	25.0	23.0	23.0	23.0	23.0	23.0	25.0	26.9	26.9	26.9	28.8
90°	56.3	56.3	56.3	56.3	56.3	56.3	56.3	75.2	100.2	112.7	96.8
92.5°	281.8	270.6	225.8	181.0	225.8	270.6	281.8	399.5	556.4	634.9	557.4
95°	956.8	922.8	787.0	651.2	787.0	922.8	956.8	1256.4	1655.9	1855.7	1567.3
97.5°	2208.7	2144.1	1885.6	1627.2	1885.6	2144.1	2208.7	2398.1	2650.6	2776.9	2295.9
100°	3101.7	3024.8	2716.9	2409.0	2716.9	3024.8	3101.7	3087.9	3069.5	3060.2	2526.5
102.5°	3864.2	3798.3	3534.6	3270.9	3534.6	3798.3	3864.2	3622.9	3301.1	3140.3	2599.0
105°	4754.2	4718.8	4577.0	4435.3	4577.0	4718.8	4754.2	4213.3	3492.0	3131.3	2607.2
107.5°	5217.0	5225.6	5259.9	5294.1	5259.9	5225.6	5217.0	4462.4	3456.4	2953.4	2491.3
110°	5335.7	5372.6	5520.3	5667.9	5520.3	5372.6	5335.7	4492.1	3367.4	2805.0	2388.4



TEST NUMBER: P935480

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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	5260.0	5316.8	5543.5	5770.3	5543.5	5316.8	5260.0	4396.7	3245.7	2670.1	2298.6
115°	5003.4	5082.0	5396.5	5711.0	5396.5	5082.0	5003.4	4171.7	3062.9	2508.4	2195.5
117.5°	4648.8	4736.0	5084.8	5433.6	5084.8	4736.0	4648.8	3898.3	2897.6	2397.1	2131.1
120°	4410.1	4494.8	4833.6	5172.5	4833.6	4494.8	4410.1	3724.3	2809.9	2352.6	2109.4
122.5°	4171.2	4254.8	4589.1	4923.3	4589.1	4254.8	4171.2	3553.7	2730.2	2318.5	2098.0
125°	3855.2	3932.2	4240.1	4548.0	4240.1	3932.2	3855.2	3330.7	2631.1	2281.4	2088.6
127.5°	3601.6	3666.5	3926.3	4186.1	3926.3	3666.5	3601.6	3151.1	2550.5	2250.3	2083.1
130°	3441.4	3501.4	3741.4	3981.4	3741.4	3501.4	3441.4	3040.4	2505.7	2238.4	2086.5
132.5°	3305.0	3358.7	3573.6	3788.5	3573.6	3358.7	3305.0	2946.0	2467.3	2228.0	2088.6
135°	3112.2	3158.5	3343.6	3528.9	3343.6	3158.5	3112.2	2811.5	2410.7	2210.3	2086.7
137.5°	2969.7	3007.6	3159.2	3310.9	3159.2	3007.6	2969.7	2715.5	2376.7	2207.3	2099.5
140°	2855.4	2890.9	3032.7	3174.4	3032.7	2890.9	2855.4	2635.9	2343.2	2196.9	2101.6
142.5°	2775.4	2805.9	2927.8	3049.8	2927.8	2805.9	2775.4	2582.6	2325.4	2196.9	2109.2
145°	2655.2	2678.3	2770.6	2862.9	2770.6	2678.3	2655.2	2497.5	2287.2	2182.1	2109.2
147.5°	2554.3	2573.4	2649.9	2726.4	2649.9	2573.4	2554.3	2430.3	2264.8	2182.1	2123.7
150°	2496.5	2511.9	2574.0	2636.0	2574.0	2511.9	2496.5	2391.7	2252.0	2182.1	2131.3
152.5°	2450.5	2462.3	2509.1	2555.9	2509.1	2462.3	2450.5	2361.0	2241.8	2182.1	2136.2
155°	2395.6	2403.4	2434.4	2465.3	2434.4	2403.4	2395.6	2324.5	2229.5	2182.1	2147.1
157.5°	2348.2	2353.6	2375.4	2397.1	2375.4	2353.6	2348.2	2292.8	2218.9	2182.1	2158.0
160°	2324.5	2327.6	2340.1	2352.6	2340.1	2327.6	2324.5	2277.0	2213.7	2182.1	2163.0
162.5°	2302.2	2305.2	2317.0	2328.9	2317.0	2305.2	2302.2	2262.2	2208.8	2182.1	2168.2
165°	2268.0	2271.2	2283.7	2296.3	2283.7	2271.2	2268.0	2239.4	2201.2	2182.1	2175.8
167.5°	2253.2	2254.6	2259.8	2265.1	2259.8	2254.6	2253.2	2234.4	2209.4	2196.9	2191.6
170°	2253.2	2253.2	2253.2	2253.2	2253.2	2253.2	2253.2	2234.4	2209.4	2196.9	2196.5
172.5°	2241.4	2240.2	2235.6	2231.0	2235.6	2240.2	2241.4	2226.6	2206.8	2196.9	2196.9
175°	2225.1	2225.1	2225.1	2225.1	2225.1	2225.1	2225.1	2215.7	2203.2	2196.9	2199.8
177.5°	2222.1	2220.8	2215.5	2210.3	2215.5	2220.8	2222.1	2214.6	2204.8	2199.8	2202.1
180°	2210.3	2210.3	2210.3	2210.3	2210.3	2210.3	2210.3	2210.3	2210.3	2210.3	2210.3



TEST NUMBER: P935480

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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	2030.9	2030.9	2030.9	2030.9	2030.9
2.5°	2006.0	2015.5	2021.4	2029.0	2048.2
5°	1929.1	1965.6	1977.1	2006.0	2040.5
7.5°	1760.1	1871.4	1902.2	1971.4	2025.2
10°	1596.7	1708.1	1762.0	1925.3	2006.0
12.5°	1514.1	1579.4	1616.0	1844.6	1979.0
15°	1462.2	1508.3	1535.3	1737.0	1948.3
17.5°	1421.8	1454.6	1473.8	1631.3	1906.1
20°	1396.9	1412.3	1429.5	1554.5	1858.0
22.5°	1379.6	1369.9	1383.4	1500.6	1792.7
25°	1368.0	1331.6	1346.9	1458.4	1715.8
27.5°	1377.7	1297.0	1302.7	1419.9	1635.2
30°	1379.6	1254.7	1256.6	1379.6	1544.8
32.5°	1366.1	1210.5	1212.4	1329.6	1443.0
35°	1333.5	1158.6	1156.7	1272.0	1304.6
37.5°	1289.2	1102.9	1102.9	1208.6	1152.9
40°	1235.5	1047.2	1053.0	1125.9	1018.3
42.5°	1170.2	987.6	995.3	1016.4	918.4
45°	1099.0	930.0	935.7	858.8	841.5
47.5°	1020.2	870.4	872.3	712.8	816.6
50°	926.2	808.9	801.2	611.0	814.7
52.5°	843.5	741.7	718.6	553.3	739.7
55°	762.8	670.6	620.7	509.2	686.0
57.5°	691.7	578.3	530.3	457.3	674.4
60°	626.4	488.0	451.5	401.6	618.7
62.5°	572.6	420.8	413.1	363.2	561.1
65°	514.9	374.6	372.7	330.5	476.5
67.5°	459.3	343.9	342.0	299.8	363.2
70°	399.7	311.2	307.4	267.1	269.0
72.5°	338.2	274.8	270.9	240.2	222.9
75°	276.7	232.4	230.5	209.4	180.6
77.5°	217.2	184.4	188.3	169.1	132.6
80°	155.7	134.5	138.4	121.1	99.9
82.5°	103.7	88.4	92.3	76.9	67.2
85°	57.7	49.9	51.9	40.4	30.8
87.5°	26.9	23.0	23.0	15.4	9.6
90°	65.2	41.5	38.6	26.6	14.8
92.5°	402.5	286.3	261.1	160.2	59.3
95°	990.3	557.7	511.6	327.0	142.4
97.5°	1334.0	612.6	571.9	409.0	246.2
100°	1459.1	658.7	621.7	474.1	326.3
102.5°	1516.5	704.6	670.1	532.4	394.6
105°	1559.0	772.9	743.7	627.0	510.3
107.5°	1567.0	873.7	846.5	737.7	629.0
110°	1555.0	930.1	905.5	807.3	709.1



TEST NUMBER: P935480  
 CATALOG NUMBER: SQ4-FA-125U-050D-B2750-1D-UNV-STD-W-12-4000K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	1555.5	998.3	974.9	881.3	787.7
115°	1569.9	1100.6	1079.1	992.6	906.3
117.5°	1599.1	1200.1	1180.5	1102.0	1023.6
120°	1622.8	1257.9	1239.5	1165.6	1091.8
122.5°	1656.9	1326.1	1307.5	1233.0	1158.5
125°	1703.0	1413.7	1396.7	1328.8	1260.9
127.5°	1748.9	1498.2	1481.1	1412.5	1344.0
130°	1782.5	1554.5	1536.1	1462.3	1388.5
132.5°	1809.7	1600.6	1582.1	1508.2	1434.4
135°	1839.4	1654.0	1637.2	1569.9	1502.7
137.5°	1883.8	1722.2	1705.5	1639.0	1572.4
140°	1911.1	1768.2	1752.8	1691.5	1630.2
142.5°	1933.8	1802.3	1788.1	1731.4	1674.7
145°	1963.5	1854.2	1841.9	1792.4	1743.0
147.5°	2007.0	1919.5	1907.4	1859.3	1811.2
150°	2029.8	1953.6	1942.8	1899.2	1855.7
152.5°	2044.7	1975.9	1967.7	1934.6	1901.7
155°	2077.2	2024.8	2018.7	1994.3	1969.9
157.5°	2109.9	2073.8	2067.9	2044.1	2020.4
160°	2124.7	2096.0	2091.4	2072.9	2054.5
162.5°	2140.5	2119.7	2116.3	2102.4	2088.6
165°	2163.3	2153.8	2150.7	2138.1	2125.6
167.5°	2181.0	2173.1	2171.7	2165.7	2159.8
170°	2195.8	2195.4	2193.9	2188.0	2182.1
172.5°	2196.9	2196.9	2196.6	2195.3	2193.9
175°	2205.8	2210.3	2210.3	2210.3	2210.3
177.5°	2206.8	2210.3	2210.3	2210.3	2210.3
180°	2210.3	2210.3	2210.3	2210.3	2210.3



TEST NUMBER: P935480  
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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	8.54	9.23	9.67	10.35	11.92	11.39	12.08	12.53	13.20	14.77
	3H	9.00	9.62	10.15	10.75	12.33	12.73	13.35	13.87	14.48	16.06
	4H	9.19	9.77	10.34	10.90	12.49	13.17	13.75	14.32	14.89	16.48
	6H	9.30	9.83	10.46	10.97	12.57	13.45	13.99	14.61	15.12	16.72
	8H	9.29	9.80	10.45	10.95	12.54	13.52	14.04	14.69	15.19	16.78
	12H	9.26	9.74	10.42	10.89	12.50	13.56	14.04	14.73	15.19	16.80
4H	2H	9.56	10.14	10.71	11.27	12.86	11.78	12.36	12.94	13.49	15.08
	3H	10.57	11.05	11.73	12.21	13.81	13.27	13.76	14.44	14.92	16.52
	4H	10.84	11.28	12.00	12.43	14.05	13.80	14.25	14.96	15.39	17.01
	6H	10.95	11.33	12.12	12.50	14.11	14.16	14.54	15.33	15.71	17.32
	8H	10.95	11.31	12.12	12.47	14.10	14.27	14.62	15.44	15.78	17.41
	12H	10.91	11.24	12.10	12.41	14.04	14.32	14.64	15.50	15.81	17.45
8H	4H	11.28	11.64	12.45	12.80	14.42	13.91	14.27	15.08	15.43	17.05
	6H	11.53	11.83	12.72	13.03	14.65	14.34	14.64	15.53	15.84	17.46
	8H	11.57	11.83	12.77	13.01	14.66	14.50	14.75	15.69	15.94	17.58
	12H	11.55	11.78	12.75	12.95	14.63	14.59	14.82	15.79	16.00	17.67
12H	4H	11.28	11.60	12.46	12.77	14.40	13.86	14.19	15.05	15.36	16.99
	6H	11.59	11.85	12.79	13.03	14.67	14.34	14.60	15.53	15.78	17.42
	8H	11.65	11.88	12.85	13.06	14.73	14.50	14.72	15.69	15.90	17.58