

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: P935880

Luminaire Tested: SQ4-FA-150U-050D-B2750-1D-UNV-STD-W-12-4000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935880
REPORT IS A COMBINATION OF REPORTS P933769 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-150U-050D-B2750-1D-UNV-STD-W-12-4000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

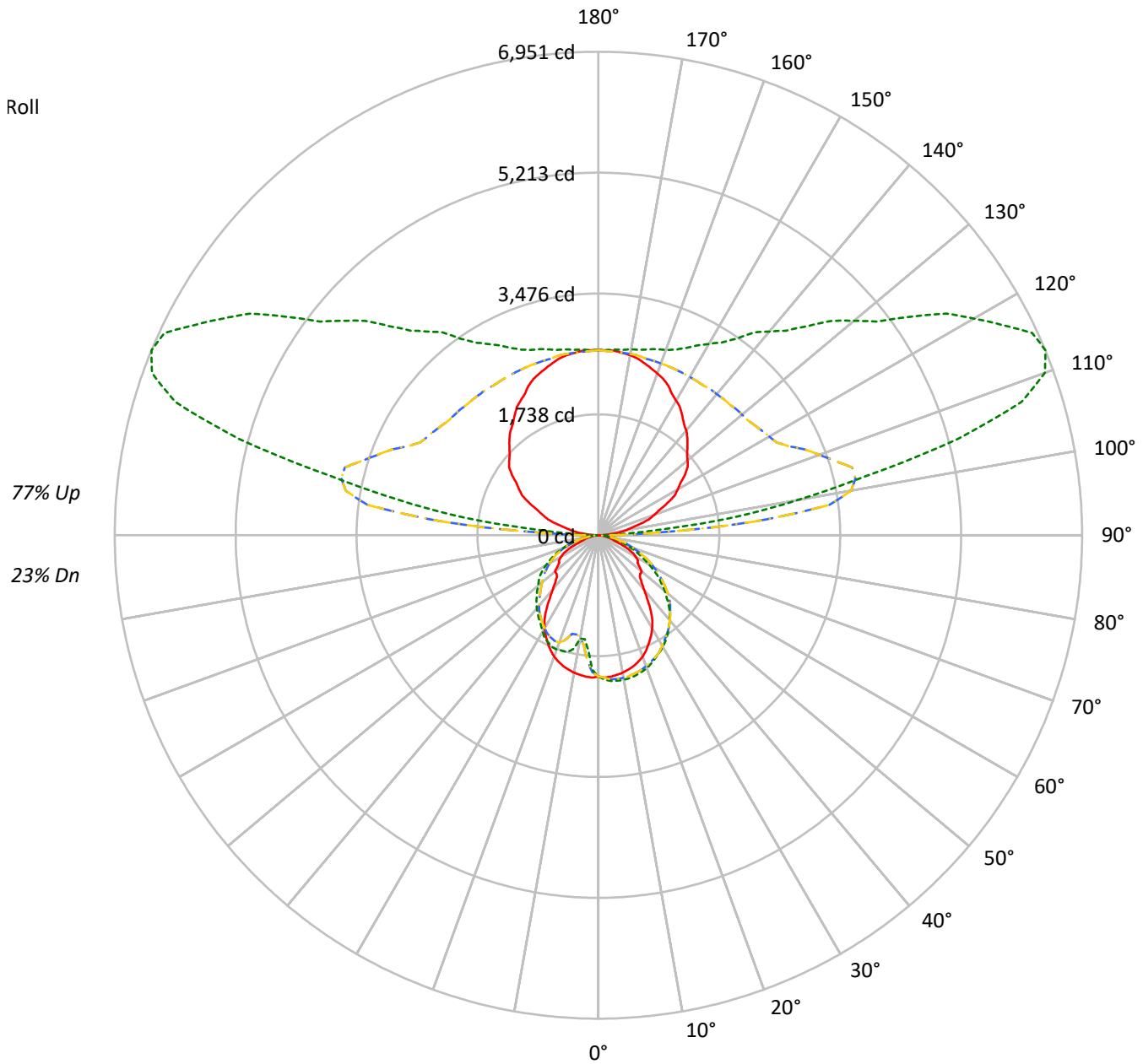
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22536.1 lumens
Efficiency: N/A
Efficacy: 135.1 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 12' x H: 0.1')
CIE Type: Semi-Indirect

Input Watts (W): 166.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot



— 0°-180° — 45°-225° - - - 90°-270° - . - . 135°-315°



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	101	101	101	101	90	90	90	90	69	69	69	49	49	49	32	32	32	23
1	92	88	84	81	81	78	75	72	60	58	56	43	42	41	28	27	27	20
2	84	77	71	66	74	68	63	59	52	49	46	38	36	34	25	24	23	17
3	76	67	60	55	67	60	54	49	46	42	39	34	31	29	22	20	19	14
4	70	59	52	46	62	53	47	42	41	37	33	30	27	25	19	18	16	12
5	64	53	45	39	56	47	40	36	36	32	28	27	24	21	17	16	14	10
6	59	47	39	34	52	42	35	31	33	28	24	24	21	18	16	14	12	9
7	54	42	35	29	48	38	31	27	30	25	21	22	19	16	14	12	11	8
8	50	38	31	26	44	34	28	23	27	22	19	20	17	14	13	11	10	7
9	46	35	28	23	41	31	25	21	24	20	17	18	15	13	12	10	9	6
10	43	32	25	20	38	28	22	18	22	18	15	17	14	11	11	9	8	6

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	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: 0°
 Vertical Angle: 90°
 Luminance: 6644 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	183.3	0.8
10°-20°	520.5	2.3
20°-30°	804.6	3.6
30°-40°	960.6	4.3
40°-50°	966.2	4.3
50°-60°	840.7	3.7
60°-70°	596.1	2.6
70°-80°	315.4	1.4
80°-90°	88.7	0.4
90°-100°	1297.8	5.8
100°-110°	3412.1	15.1
110°-120°	3538.0	15.7
120°-130°	2837.9	12.6
130°-140°	2226.7	9.9
140°-150°	1709.1	7.6
150°-160°	1230.8	5.5
160°-170°	753.1	3.3
170°-180°	254.4	1.1
0°-30°	1508.5	6.7
0°-40°	2469.0	11.0
0°-60°	4275.9	19.0
0°-90°	5276.0	23.4
90°-120°	8247.9	36.6
90°-150°	15021.7	66.7
90°-180°	17260.0	76.6
0°-180°	22536.1	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°	18	68	18	68	18	16
95°	172	784	172	784	172	190
105°	615	5343	615	5343	615	652
115°	1092	6880	1092	6880	1092	1078
125°	1519	5479	1519	5479	1519	1348
135°	1810	4251	1810	4251	1810	1401
145°	2100	3449	2100	3449	2100	1315
155°	2373	2970	2373	2970	2373	1090
165°	2561	2766	2561	2766	2561	723
175°	2662	2680	2662	2680	2662	253
180°	2662	2662	2662	2662	2662	



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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°	17.9	32.2	46.5	50.0	78.6	116.7	135.8	120.7	90.5	67.9	67.9
92.5°	71.4	192.9	314.5	344.9	484.9	671.5	764.8	670.2	481.2	339.5	326.0
95°	171.5	393.8	616.3	671.8	1193.1	1888.0	2235.5	1994.8	1513.6	1152.6	1111.7
97.5°	296.6	492.8	688.9	738.0	1607.1	2765.8	3345.1	3193.0	2888.9	2660.7	2582.9
100°	393.1	571.0	748.9	793.4	1757.8	3043.5	3686.4	3697.5	3719.7	3736.4	3643.7
102.5°	475.3	641.3	807.3	848.8	1826.8	3130.9	3782.9	3976.7	4364.3	4655.0	4575.5
105°	614.7	755.3	895.9	931.0	1878.1	3140.8	3772.2	4206.6	5075.4	5727.0	5684.4
107.5°	757.7	888.7	1019.7	1052.5	1887.6	3001.0	3557.8	4163.7	5375.6	6284.6	6294.9
110°	854.2	972.5	1090.8	1120.4	1873.3	2877.1	3379.1	4056.6	5411.4	6427.5	6472.0



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	948.9	1061.7	1174.5	1202.6	1873.9	2768.9	3216.4	3909.8	5296.4	6336.4	6404.7
115°	1091.9	1195.9	1299.9	1325.9	1891.2	2644.9	3021.7	3689.6	5025.4	6027.3	6122.0
117.5°	1233.0	1327.4	1422.0	1445.6	1926.2	2567.1	2887.6	3490.4	4696.0	5600.2	5705.3
120°	1315.1	1404.1	1493.0	1515.3	1954.9	2541.0	2834.1	3384.8	4486.3	5312.5	5414.6
122.5°	1395.5	1485.3	1575.1	1597.5	1996.0	2527.3	2793.0	3288.9	4280.9	5024.8	5125.5
125°	1518.9	1600.7	1682.5	1703.0	2051.4	2516.0	2748.3	3169.6	4012.2	4644.2	4736.9
127.5°	1618.9	1701.5	1784.1	1804.8	2106.7	2509.5	2710.8	3072.5	3796.0	4338.7	4416.9
130°	1672.6	1761.5	1850.4	1872.7	2147.2	2513.4	2696.4	3018.5	3662.6	4145.7	4217.9
132.5°	1728.0	1816.9	1905.8	1928.0	2180.0	2515.9	2683.9	2972.2	3548.9	3981.3	4046.0
135°	1810.1	1891.1	1972.2	1992.4	2215.8	2513.7	2662.5	2904.0	3386.8	3748.9	3804.7
137.5°	1894.1	1974.4	2054.6	2074.6	2269.4	2529.0	2658.9	2863.0	3271.3	3577.4	3623.1
140°	1963.9	2037.7	2111.6	2130.0	2302.1	2531.6	2646.4	2822.7	3175.4	3439.8	3482.5
142.5°	2017.4	2085.7	2154.0	2171.1	2329.5	2540.8	2646.4	2801.3	3111.0	3343.4	3380.1
145°	2099.7	2159.3	2218.8	2233.6	2365.2	2540.8	2628.5	2755.2	3008.5	3198.6	3226.4
147.5°	2181.8	2239.8	2297.7	2312.2	2417.7	2558.3	2628.5	2728.2	2927.6	3077.1	3100.1
150°	2235.5	2287.9	2340.3	2353.4	2445.1	2567.4	2628.5	2712.8	2881.1	3007.4	3026.0
152.5°	2290.9	2330.6	2370.2	2380.1	2462.9	2573.3	2628.5	2700.5	2844.2	2952.0	2966.1
155°	2373.1	2402.5	2431.8	2439.2	2502.3	2586.4	2628.5	2685.7	2800.2	2885.9	2895.3
157.5°	2433.8	2462.4	2490.9	2498.1	2541.5	2599.5	2628.5	2673.0	2762.0	2828.7	2835.3
160°	2474.9	2497.1	2519.4	2524.9	2559.5	2605.5	2628.5	2666.6	2742.9	2800.1	2803.9
162.5°	2515.9	2532.7	2549.3	2553.5	2578.5	2611.8	2628.5	2660.7	2725.1	2773.3	2776.9
165°	2560.6	2575.7	2590.8	2594.6	2605.9	2621.0	2628.5	2651.6	2697.6	2732.2	2736.0
167.5°	2601.8	2609.0	2616.0	2617.8	2627.4	2640.1	2646.4	2661.5	2691.7	2714.3	2715.9
170°	2628.5	2635.7	2642.9	2644.7	2645.3	2646.0	2646.4	2661.5	2691.7	2714.3	2714.3
172.5°	2642.9	2644.4	2646.0	2646.4	2646.4	2646.4	2646.4	2658.3	2682.2	2700.1	2698.6
175°	2662.5	2662.5	2662.5	2662.5	2657.2	2650.0	2646.4	2653.9	2669.0	2680.4	2680.4
177.5°	2662.5	2662.5	2662.5	2662.5	2658.3	2652.8	2650.0	2656.0	2667.9	2676.8	2675.1
180°	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5



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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°	67.9	67.9	67.9	67.9	67.9	90.5	120.7	135.8	116.7	78.6	50.0
92.5°	272.0	218.0	272.0	326.0	339.5	481.2	670.2	764.8	671.5	484.9	344.9
95°	948.0	784.4	948.0	1111.7	1152.6	1513.6	1994.8	2235.5	1888.0	1193.1	671.8
97.5°	2271.6	1960.2	2271.6	2582.9	2660.7	2888.9	3193.0	3345.1	2765.8	1607.1	738.0
100°	3272.9	2902.0	3272.9	3643.7	3736.4	3719.7	3697.5	3686.4	3043.5	1757.8	793.4
102.5°	4257.9	3940.1	4257.9	4575.5	4655.0	4364.3	3976.7	3782.9	3130.9	1826.8	848.8
105°	5513.7	5342.9	5513.7	5684.4	5727.0	5075.4	4206.6	3772.2	3140.8	1878.1	931.0
107.5°	6336.2	6377.5	6336.2	6294.9	6284.6	5375.6	4163.7	3557.8	3001.0	1887.6	1052.5
110°	6650.0	6827.9	6650.0	6472.0	6427.5	5411.4	4056.6	3379.1	2877.1	1873.3	1120.4



TEST NUMBER: P935880

CATALOG NUMBER: SQ4-FA-150U-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°	6677.9	6951.2	6677.9	6404.7	6336.4	5296.4	3909.8	3216.4	2768.9	1873.9	1202.6
115°	6500.8	6879.6	6500.8	6122.0	6027.3	5025.4	3689.6	3021.7	2644.9	1891.2	1325.9
117.5°	6125.4	6545.5	6125.4	5705.3	5600.2	4696.0	3490.4	2887.6	2567.1	1926.2	1445.6
120°	5822.7	6231.0	5822.7	5414.6	5312.5	4486.3	3384.8	2834.1	2541.0	1954.9	1515.3
122.5°	5528.2	5930.8	5528.2	5125.5	5024.8	4280.9	3288.9	2793.0	2527.3	1996.0	1597.5
125°	5107.8	5478.7	5107.8	4736.9	4644.2	4012.2	3169.6	2748.3	2516.0	2051.4	1703.0
127.5°	4729.8	5042.7	4729.8	4416.9	4338.7	3796.0	3072.5	2710.8	2509.5	2106.7	1804.8
130°	4507.0	4796.1	4507.0	4217.9	4145.7	3662.6	3018.5	2696.4	2513.4	2147.2	1872.7
132.5°	4304.9	4563.8	4304.9	4046.0	3981.3	3548.9	2972.2	2683.9	2515.9	2180.0	1928.0
135°	4027.9	4251.1	4027.9	3804.7	3748.9	3386.8	2904.0	2662.5	2513.7	2215.8	1992.4
137.5°	3805.8	3988.4	3805.8	3623.1	3577.4	3271.3	2863.0	2658.9	2529.0	2269.4	2074.6
140°	3653.3	3824.0	3653.3	3482.5	3439.8	3175.4	2822.7	2646.4	2531.6	2302.1	2130.0
142.5°	3527.0	3673.9	3527.0	3380.1	3343.4	3111.0	2801.3	2646.4	2540.8	2329.5	2171.1
145°	3337.6	3448.8	3337.6	3226.4	3198.6	3008.5	2755.2	2628.5	2540.8	2365.2	2233.6
147.5°	3192.3	3284.3	3192.3	3100.1	3077.1	2927.6	2728.2	2628.5	2558.3	2417.7	2312.2
150°	3100.7	3175.4	3100.7	3026.0	3007.4	2881.1	2712.8	2628.5	2567.4	2445.1	2353.4
152.5°	3022.5	3078.8	3022.5	2966.1	2952.0	2844.2	2700.5	2628.5	2573.3	2462.9	2380.1
155°	2932.5	2969.9	2932.5	2895.3	2885.9	2800.2	2685.7	2628.5	2586.4	2502.3	2439.2
157.5°	2861.5	2887.6	2861.5	2835.3	2828.7	2762.0	2673.0	2628.5	2599.5	2541.5	2498.1
160°	2819.0	2834.1	2819.0	2803.9	2800.1	2742.9	2666.6	2628.5	2605.5	2559.5	2524.9
162.5°	2791.2	2805.5	2791.2	2776.9	2773.3	2725.1	2660.7	2628.5	2611.8	2578.5	2553.5
165°	2751.1	2766.2	2751.1	2736.0	2732.2	2697.6	2651.6	2628.5	2621.0	2605.9	2594.6
167.5°	2722.2	2728.6	2722.2	2715.9	2714.3	2691.7	2661.5	2646.4	2640.1	2627.4	2617.8
170°	2714.3	2714.3	2714.3	2714.3	2714.3	2691.7	2661.5	2646.4	2646.0	2645.3	2644.7
172.5°	2693.1	2687.6	2693.1	2698.6	2700.1	2682.2	2658.3	2646.4	2646.4	2646.4	2646.4
175°	2680.4	2680.4	2680.4	2680.4	2680.4	2669.0	2653.9	2646.4	2650.0	2657.2	2662.5
177.5°	2668.8	2662.5	2668.8	2675.1	2676.8	2667.9	2656.0	2650.0	2652.8	2658.3	2662.5
180°	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5



TEST NUMBER: P935880

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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°	46.5	32.2	17.9	32.2	46.5	50.0	78.6	116.7	135.8	120.7	90.5
92.5°	314.5	192.9	71.4	192.9	314.5	344.9	484.9	671.5	764.8	670.2	481.2
95°	616.3	393.8	171.5	393.8	616.3	671.8	1193.1	1888.0	2235.5	1994.8	1513.6
97.5°	688.9	492.8	296.6	492.8	688.9	738.0	1607.1	2765.8	3345.1	3193.0	2888.9
100°	748.9	571.0	393.1	571.0	748.9	793.4	1757.8	3043.5	3686.4	3697.5	3719.7
102.5°	807.3	641.3	475.3	641.3	807.3	848.8	1826.8	3130.9	3782.9	3976.7	4364.3
105°	895.9	755.3	614.7	755.3	895.9	931.0	1878.1	3140.8	3772.2	4206.6	5075.4
107.5°	1019.7	888.7	757.7	888.7	1019.7	1052.5	1887.6	3001.0	3557.8	4163.7	5375.6
110°	1090.8	972.5	854.2	972.5	1090.8	1120.4	1873.3	2877.1	3379.1	4056.6	5411.4



TEST NUMBER: P935880

CATALOG NUMBER: SQ4-FA-150U-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°	1174.5	1061.7	948.9	1061.7	1174.5	1202.6	1873.9	2768.9	3216.4	3909.8	5296.4
115°	1299.9	1195.9	1091.9	1195.9	1299.9	1325.9	1891.2	2644.9	3021.7	3689.6	5025.4
117.5°	1422.0	1327.4	1233.0	1327.4	1422.0	1445.6	1926.2	2567.1	2887.6	3490.4	4696.0
120°	1493.0	1404.1	1315.1	1404.1	1493.0	1515.3	1954.9	2541.0	2834.1	3384.8	4486.3
122.5°	1575.1	1485.3	1395.5	1485.3	1575.1	1597.5	1996.0	2527.3	2793.0	3288.9	4280.9
125°	1682.5	1600.7	1518.9	1600.7	1682.5	1703.0	2051.4	2516.0	2748.3	3169.6	4012.2
127.5°	1784.1	1701.5	1618.9	1701.5	1784.1	1804.8	2106.7	2509.5	2710.8	3072.5	3796.0
130°	1850.4	1761.5	1672.6	1761.5	1850.4	1872.7	2147.2	2513.4	2696.4	3018.5	3662.6
132.5°	1905.8	1816.9	1728.0	1816.9	1905.8	1928.0	2180.0	2515.9	2683.9	2972.2	3548.9
135°	1972.2	1891.1	1810.1	1891.1	1972.2	1992.4	2215.8	2513.7	2662.5	2904.0	3386.8
137.5°	2054.6	1974.4	1894.1	1974.4	2054.6	2074.6	2269.4	2529.0	2658.9	2863.0	3271.3
140°	2111.6	2037.7	1963.9	2037.7	2111.6	2130.0	2302.1	2531.6	2646.4	2822.7	3175.4
142.5°	2154.0	2085.7	2017.4	2085.7	2154.0	2171.1	2329.5	2540.8	2646.4	2801.3	3111.0
145°	2218.8	2159.3	2099.7	2159.3	2218.8	2233.6	2365.2	2540.8	2628.5	2755.2	3008.5
147.5°	2297.7	2239.8	2181.8	2239.8	2297.7	2312.2	2417.7	2558.3	2628.5	2728.2	2927.6
150°	2340.3	2287.9	2235.5	2287.9	2340.3	2353.4	2445.1	2567.4	2628.5	2712.8	2881.1
152.5°	2370.2	2330.6	2290.9	2330.6	2370.2	2380.1	2462.9	2573.3	2628.5	2700.5	2844.2
155°	2431.8	2402.5	2373.1	2402.5	2431.8	2439.2	2502.3	2586.4	2628.5	2685.7	2800.2
157.5°	2490.9	2462.4	2433.8	2462.4	2490.9	2498.1	2541.5	2599.5	2628.5	2673.0	2762.0
160°	2519.4	2497.1	2474.9	2497.1	2519.4	2524.9	2559.5	2605.5	2628.5	2666.6	2742.9
162.5°	2549.3	2532.7	2515.9	2532.7	2549.3	2553.5	2578.5	2611.8	2628.5	2660.7	2725.1
165°	2590.8	2575.7	2560.6	2575.7	2590.8	2594.6	2605.9	2621.0	2628.5	2651.6	2697.6
167.5°	2616.0	2609.0	2601.8	2609.0	2616.0	2617.8	2627.4	2640.1	2646.4	2661.5	2691.7
170°	2642.9	2635.7	2628.5	2635.7	2642.9	2644.7	2645.3	2646.0	2646.4	2661.5	2691.7
172.5°	2646.0	2644.4	2642.9	2644.4	2646.0	2646.4	2646.4	2646.4	2646.4	2658.3	2682.2
175°	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5	2657.2	2650.0	2646.4	2653.9	2669.0
177.5°	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5	2658.3	2652.8	2650.0	2656.0	2667.9
180°	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5



TEST NUMBER: P935880

CATALOG NUMBER: SQ4-FA-150U-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°	67.9	67.9	67.9	67.9	67.9	67.9	67.9	90.5	120.7	135.8	116.7
92.5°	339.5	326.0	272.0	218.0	272.0	326.0	339.5	481.2	670.2	764.8	671.5
95°	1152.6	1111.7	948.0	784.4	948.0	1111.7	1152.6	1513.6	1994.8	2235.5	1888.0
97.5°	2660.7	2582.9	2271.6	1960.2	2271.6	2582.9	2660.7	2888.9	3193.0	3345.1	2765.8
100°	3736.4	3643.7	3272.9	2902.0	3272.9	3643.7	3736.4	3719.7	3697.5	3686.4	3043.5
102.5°	4655.0	4575.5	4257.9	3940.1	4257.9	4575.5	4655.0	4364.3	3976.7	3782.9	3130.9
105°	5727.0	5684.4	5513.7	5342.9	5513.7	5684.4	5727.0	5075.4	4206.6	3772.2	3140.8
107.5°	6284.6	6294.9	6336.2	6377.5	6336.2	6294.9	6284.6	5375.6	4163.7	3557.8	3001.0
110°	6427.5	6472.0	6650.0	6827.9	6650.0	6472.0	6427.5	5411.4	4056.6	3379.1	2877.1



TEST NUMBER: P935880

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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	6336.4	6404.7	6677.9	6951.2	6677.9	6404.7	6336.4	5296.4	3909.8	3216.4	2768.9
115°	6027.3	6122.0	6500.8	6879.6	6500.8	6122.0	6027.3	5025.4	3689.6	3021.7	2644.9
117.5°	5600.2	5705.3	6125.4	6545.5	6125.4	5705.3	5600.2	4696.0	3490.4	2887.6	2567.1
120°	5312.5	5414.6	5822.7	6231.0	5822.7	5414.6	5312.5	4486.3	3384.8	2834.1	2541.0
122.5°	5024.8	5125.5	5528.2	5930.8	5528.2	5125.5	5024.8	4280.9	3288.9	2793.0	2527.3
125°	4644.2	4736.9	5107.8	5478.7	5107.8	4736.9	4644.2	4012.2	3169.6	2748.3	2516.0
127.5°	4338.7	4416.9	4729.8	5042.7	4729.8	4416.9	4338.7	3796.0	3072.5	2710.8	2509.5
130°	4145.7	4217.9	4507.0	4796.1	4507.0	4217.9	4145.7	3662.6	3018.5	2696.4	2513.4
132.5°	3981.3	4046.0	4304.9	4563.8	4304.9	4046.0	3981.3	3548.9	2972.2	2683.9	2515.9
135°	3748.9	3804.7	4027.9	4251.1	4027.9	3804.7	3748.9	3386.8	2904.0	2662.5	2513.7
137.5°	3577.4	3623.1	3805.8	3988.4	3805.8	3623.1	3577.4	3271.3	2863.0	2658.9	2529.0
140°	3439.8	3482.5	3653.3	3824.0	3653.3	3482.5	3439.8	3175.4	2822.7	2646.4	2531.6
142.5°	3343.4	3380.1	3527.0	3673.9	3527.0	3380.1	3343.4	3111.0	2801.3	2646.4	2540.8
145°	3198.6	3226.4	3337.6	3448.8	3337.6	3226.4	3198.6	3008.5	2755.2	2628.5	2540.8
147.5°	3077.1	3100.1	3192.3	3284.3	3192.3	3100.1	3077.1	2927.6	2728.2	2628.5	2558.3
150°	3007.4	3026.0	3100.7	3175.4	3100.7	3026.0	3007.4	2881.1	2712.8	2628.5	2567.4
152.5°	2952.0	2966.1	3022.5	3078.8	3022.5	2966.1	2952.0	2844.2	2700.5	2628.5	2573.3
155°	2885.9	2895.3	2932.5	2969.9	2932.5	2895.3	2885.9	2800.2	2685.7	2628.5	2586.4
157.5°	2828.7	2835.3	2861.5	2887.6	2861.5	2835.3	2828.7	2762.0	2673.0	2628.5	2599.5
160°	2800.1	2803.9	2819.0	2834.1	2819.0	2803.9	2800.1	2742.9	2666.6	2628.5	2605.5
162.5°	2773.3	2776.9	2791.2	2805.5	2791.2	2776.9	2773.3	2725.1	2660.7	2628.5	2611.8
165°	2732.2	2736.0	2751.1	2766.2	2751.1	2736.0	2732.2	2697.6	2651.6	2628.5	2621.0
167.5°	2714.3	2715.9	2722.2	2728.6	2722.2	2715.9	2714.3	2691.7	2661.5	2646.4	2640.1
170°	2714.3	2714.3	2714.3	2714.3	2714.3	2714.3	2714.3	2691.7	2661.5	2646.4	2646.0
172.5°	2700.1	2698.6	2693.1	2687.6	2693.1	2698.6	2700.1	2682.2	2658.3	2646.4	2646.4
175°	2680.4	2680.4	2680.4	2680.4	2680.4	2680.4	2680.4	2669.0	2653.9	2646.4	2650.0
177.5°	2676.8	2675.1	2668.8	2662.5	2668.8	2675.1	2676.8	2667.9	2656.0	2650.0	2652.8
180°	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5



TEST NUMBER: P935880

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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°	78.6	50.0	46.5	32.2	17.9
92.5°	484.9	344.9	314.5	192.9	71.4
95°	1193.1	671.8	616.3	393.8	171.5
97.5°	1607.1	738.0	688.9	492.8	296.6
100°	1757.8	793.4	748.9	571.0	393.1
102.5°	1826.8	848.8	807.3	641.3	475.3
105°	1878.1	931.0	895.9	755.3	614.7
107.5°	1887.6	1052.5	1019.7	888.7	757.7
110°	1873.3	1120.4	1090.8	972.5	854.2



TEST NUMBER: P935880

CATALOG NUMBER: SQ4-FA-150U-050D-B2750-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1873.9	1202.6	1174.5	1061.7	948.9
115°	1891.2	1325.9	1299.9	1195.9	1091.9
117.5°	1926.2	1445.6	1422.0	1327.4	1233.0
120°	1954.9	1515.3	1493.0	1404.1	1315.1
122.5°	1996.0	1597.5	1575.1	1485.3	1395.5
125°	2051.4	1703.0	1682.5	1600.7	1518.9
127.5°	2106.7	1804.8	1784.1	1701.5	1618.9
130°	2147.2	1872.7	1850.4	1761.5	1672.6
132.5°	2180.0	1928.0	1905.8	1816.9	1728.0
135°	2215.8	1992.4	1972.2	1891.1	1810.1
137.5°	2269.4	2074.6	2054.6	1974.4	1894.1
140°	2302.1	2130.0	2111.6	2037.7	1963.9
142.5°	2329.5	2171.1	2154.0	2085.7	2017.4
145°	2365.2	2233.6	2218.8	2159.3	2099.7
147.5°	2417.7	2312.2	2297.7	2239.8	2181.8
150°	2445.1	2353.4	2340.3	2287.9	2235.5
152.5°	2462.9	2380.1	2370.2	2330.6	2290.9
155°	2502.3	2439.2	2431.8	2402.5	2373.1
157.5°	2541.5	2498.1	2490.9	2462.4	2433.8
160°	2559.5	2524.9	2519.4	2497.1	2474.9
162.5°	2578.5	2553.5	2549.3	2532.7	2515.9
165°	2605.9	2594.6	2590.8	2575.7	2560.6
167.5°	2627.4	2617.8	2616.0	2609.0	2601.8
170°	2645.3	2644.7	2642.9	2635.7	2628.5
172.5°	2646.4	2646.4	2646.0	2644.4	2642.9
175°	2657.2	2662.5	2662.5	2662.5	2662.5
177.5°	2658.3	2662.5	2662.5	2662.5	2662.5
180°	2662.5	2662.5	2662.5	2662.5	2662.5



TEST NUMBER: P935880
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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	7.99	8.65	9.14	9.79	11.40	10.84	11.50	11.99	12.65	14.25
	3H	8.45	9.04	9.61	10.19	11.82	12.18	12.77	13.34	13.92	15.54
	4H	8.63	9.20	9.80	10.35	11.97	12.61	13.18	13.79	14.33	15.96
	6H	8.74	9.26	9.92	10.41	12.05	12.89	13.41	14.07	14.57	16.20
	8H	8.73	9.23	9.92	10.40	12.02	12.97	13.46	14.15	14.63	16.26
	12H	8.70	9.17	9.88	10.33	11.98	13.00	13.47	14.19	14.63	16.28
4H	2H	9.00	9.56	10.18	10.72	12.34	11.22	11.79	12.40	12.94	14.56
	3H	10.01	10.48	11.19	11.66	13.29	12.72	13.19	13.90	14.36	16.00
	4H	10.28	10.71	11.46	11.87	13.53	13.24	13.67	14.43	14.84	16.49
	6H	10.39	10.76	11.58	11.95	13.59	13.60	13.97	14.79	15.16	16.80
	8H	10.39	10.74	11.58	11.92	13.58	13.70	14.05	14.89	15.23	16.89
	12H	10.35	10.66	11.55	11.85	13.52	13.75	14.07	14.96	15.26	16.93
8H	4H	10.72	11.06	11.91	12.24	13.90	13.35	13.69	14.54	14.87	16.53
	6H	10.97	11.26	12.18	12.48	14.14	13.78	14.07	14.99	15.29	16.95
	8H	11.01	11.26	12.22	12.46	14.14	13.93	14.18	15.15	15.38	17.06
	12H	10.99	11.20	12.20	12.40	14.11	14.03	14.25	15.25	15.44	17.15
12H	4H	10.71	11.03	11.92	12.22	13.88	13.30	13.62	14.51	14.81	16.47
	6H	11.03	11.28	12.24	12.48	14.16	13.78	14.02	14.99	15.22	16.90
	8H	11.09	11.31	12.30	12.50	14.21	13.93	14.15	15.15	15.35	17.06