

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: P935826

Luminaire Tested: SQ4-FA-150U-050D-92765-1D-UNV-STD-W-12-3000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935826
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-92765-1D-UNV-STD-W-12-3000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

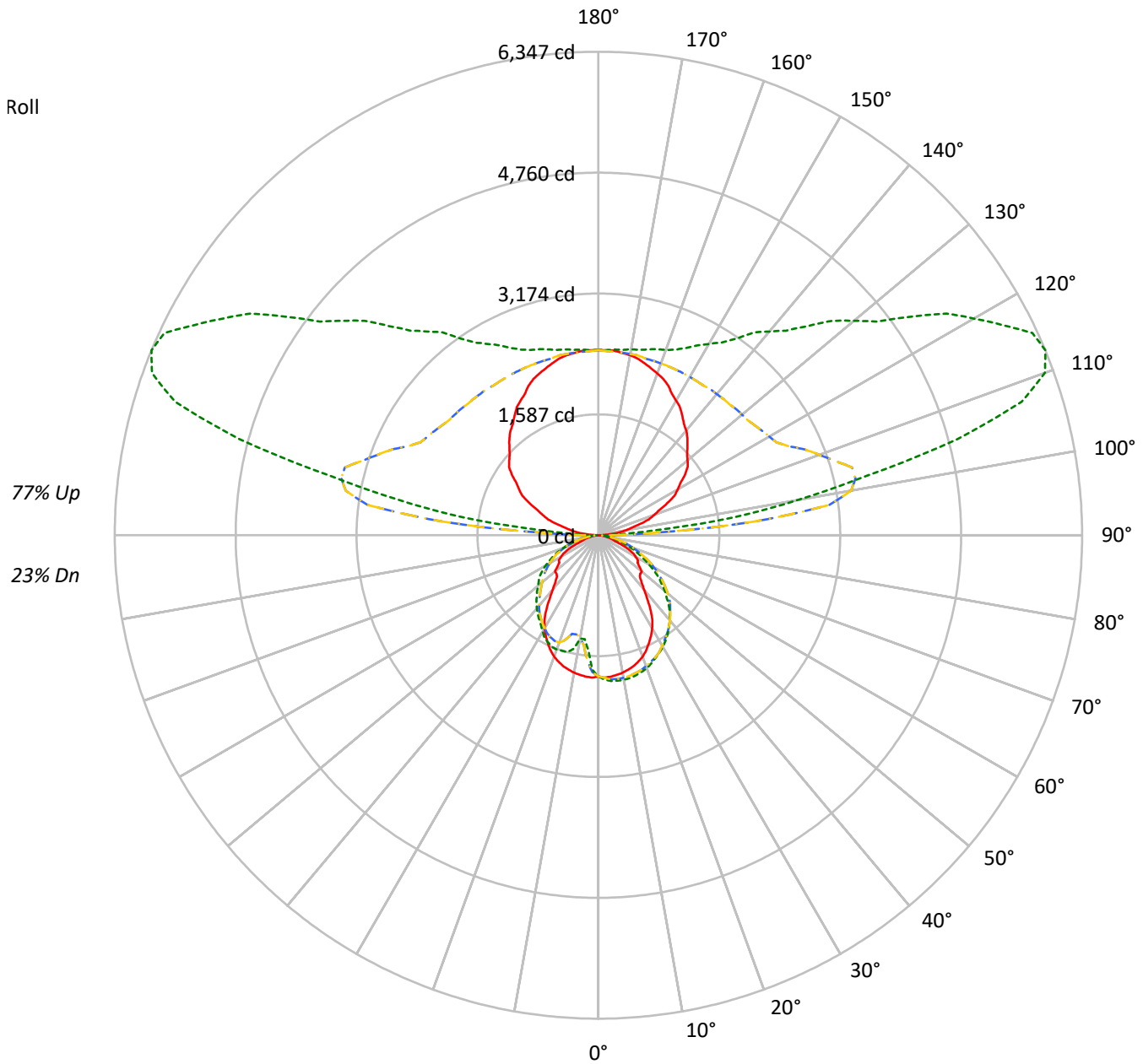
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20578.2 lumens
Efficiency: N/A
Efficacy: 123.4 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 12' x H: 0.1')
CIE Type: 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°	5736	5736	5736	5736
5°	5781	5790	5781	4553
10°	5745	5704	5745	4078
15°	5684	5580	5684	4659
20°	5568	5434	5568	4669
25°	5327	5220	5327	4570
30°	5014	5043	5014	4353
35°	4472	4819	4472	4114
40°	3728	4555	3728	3934
45°	3333	4246	3333	3727
50°	3544	3877	3544	3518
55°	3338	3480	3338	3398
60°	3445	2956	3445	3112
65°	3129	2444	3129	2731
70°	2172	1948	2172	2289
75°	1911	1440	1911	1723
80°	1551	952	1551	1037
85°	911	504	911	428

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 90°
 Luminance: 6050 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	167.4	0.8
10°-20°	475.3	2.3
20°-30°	734.7	3.6
30°-40°	877.1	4.3
40°-50°	882.3	4.3
50°-60°	767.7	3.7
60°-70°	544.3	2.6
70°-80°	288.0	1.4
80°-90°	81.0	0.4
90°-100°	1185.1	5.8
100°-110°	3115.7	15.1
110°-120°	3230.6	15.7
120°-130°	2591.4	12.6
130°-140°	2033.3	9.9
140°-150°	1560.6	7.6
150°-160°	1123.9	5.5
160°-170°	687.7	3.3
170°-180°	232.3	1.1
0°-30°	1377.4	6.7
0°-40°	2254.5	11.0
0°-60°	3904.4	19.0
0°-90°	4817.7	23.4
90°-120°	7531.4	36.6
90°-150°	13716.7	66.7
90°-180°	15761.0	76.6
0°-180°	20578.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1854	1854	1854	1854	1854	
5°	1863	1921	1863	1511	1863	177
15°	1779	1904	1779	1590	1779	501
25°	1567	1776	1567	1554	1567	719
35°	1191	1584	1191	1353	1191	737
45°	768	1305	768	1146	768	616
55°	626	963	626	940	626	576
65°	435	581	435	649	435	416
75°	165	276	165	330	165	173
85°	28	70	28	60	28	38
90°	16	62	16	62	16	15
95°	157	716	157	716	157	174
105°	561	4879	561	4879	561	595
115°	997	6282	997	6282	997	985
125°	1387	5003	1387	5003	1387	1231
135°	1653	3882	1653	3882	1653	1279
145°	1917	3149	1917	3149	1917	1201
155°	2167	2712	2167	2712	2167	996
165°	2338	2526	2338	2526	2338	660
175°	2431	2448	2431	2448	2431	231
180°	2431	2431	2431	2431	2431	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1854.5	1854.5	1854.5	1854.5	1854.5	1854.5	1854.5	1854.5	1854.5	1854.5	1854.5
2.5°	1870.3	1870.3	1880.8	1884.3	1884.3	1879.1	1873.8	1879.1	1894.8	1900.1	1898.3
5°	1863.3	1877.3	1896.6	1900.1	1903.7	1901.9	1898.3	1901.9	1919.4	1922.9	1924.7
7.5°	1849.2	1875.6	1900.1	1905.4	1910.6	1905.4	1903.7	1907.1	1924.7	1928.2	1928.2
10°	1831.7	1868.5	1896.6	1900.1	1905.4	1900.1	1900.1	1907.1	1924.7	1928.2	1930.0
12.5°	1807.1	1858.0	1884.3	1887.9	1894.8	1893.1	1891.4	1898.3	1915.9	1919.4	1919.4
15°	1779.0	1838.7	1863.3	1866.8	1879.1	1875.6	1875.6	1882.5	1901.9	1907.1	1905.4
17.5°	1740.5	1814.2	1842.3	1847.5	1856.3	1854.5	1856.3	1863.3	1880.8	1884.3	1886.1
20°	1696.6	1780.8	1814.2	1819.4	1828.2	1828.2	1828.2	1836.9	1854.5	1861.5	1861.5
22.5°	1637.0	1745.7	1780.8	1784.4	1794.8	1794.8	1798.4	1810.6	1826.4	1828.2	1828.2
25°	1566.8	1707.1	1736.9	1747.5	1758.0	1763.3	1768.6	1775.5	1780.8	1779.0	1780.8
27.5°	1493.1	1658.0	1696.6	1703.6	1717.6	1722.9	1729.9	1731.7	1733.4	1738.7	1735.2
30°	1410.6	1589.5	1647.4	1654.5	1677.3	1680.8	1673.8	1677.3	1686.1	1689.6	1693.1
32.5°	1317.6	1487.8	1596.6	1612.4	1633.4	1622.9	1621.1	1626.4	1640.5	1640.5	1644.0
35°	1191.3	1408.9	1549.3	1563.3	1579.1	1566.8	1573.8	1575.5	1584.3	1589.5	1587.8
37.5°	1052.7	1340.4	1500.1	1510.6	1522.9	1507.1	1517.6	1522.9	1529.9	1526.4	1526.4
40°	929.8	1233.4	1442.2	1449.2	1459.7	1447.5	1458.0	1461.5	1465.0	1461.5	1459.7
42.5°	838.6	1115.9	1380.8	1389.6	1382.5	1391.3	1394.8	1401.9	1396.6	1389.6	1389.6
45°	768.4	1084.3	1314.2	1324.6	1314.2	1328.2	1333.4	1333.4	1317.6	1314.2	1312.3
47.5°	745.7	1021.2	1247.4	1247.4	1242.2	1259.7	1268.5	1256.3	1240.5	1235.1	1235.1
50°	743.9	951.0	1156.2	1149.2	1173.8	1194.8	1186.1	1173.8	1161.5	1142.2	1142.2
52.5°	675.5	865.0	1038.7	1065.0	1103.6	1115.9	1101.8	1089.5	1068.5	1059.7	1052.7
55°	626.4	775.5	931.6	984.3	1024.6	1040.4	1014.1	1001.8	970.2	965.0	961.5
57.5°	615.8	645.7	833.4	900.0	949.2	947.5	931.6	908.8	882.5	877.3	875.5
60°	565.0	466.7	728.1	807.1	857.9	852.7	838.6	817.6	793.0	789.5	786.1
62.5°	512.3	338.6	608.8	698.3	770.2	768.4	756.2	724.6	707.0	698.3	691.3
65°	435.1	284.2	433.4	580.8	684.3	687.8	661.4	638.7	619.3	608.8	607.0
67.5°	331.6	231.6	293.0	484.2	601.8	598.3	565.0	554.4	529.8	524.6	514.1
70°	245.7	154.4	203.5	393.0	521.1	512.3	486.0	473.7	450.9	438.6	431.6
72.5°	203.5	124.5	149.1	305.3	438.6	428.1	405.3	391.3	371.9	361.5	354.4
75°	164.9	131.6	114.1	226.3	356.1	349.2	328.1	314.0	298.2	284.2	285.9
77.5°	121.0	122.8	91.2	166.6	282.5	272.0	259.7	242.2	235.1	221.1	221.1
80°	91.2	96.5	68.5	114.1	203.5	203.5	193.0	180.7	168.4	161.4	161.4
82.5°	61.4	61.4	50.8	71.9	138.6	133.3	126.4	122.8	115.8	112.3	112.3
85°	28.1	35.1	31.6	43.9	75.4	78.9	78.9	75.4	73.7	70.2	71.9
87.5°	8.8	15.8	19.3	24.6	38.6	40.4	42.1	42.1	42.1	43.9	43.9
90°	16.3	29.4	42.5	45.7	71.8	106.6	124.0	110.2	82.7	62.0	62.0
92.5°	65.2	176.2	287.2	314.9	442.7	613.1	698.3	612.0	439.4	310.0	297.7
95°	156.6	359.6	562.7	613.5	1089.4	1724.0	2041.3	1821.5	1382.1	1052.5	1015.1
97.5°	270.9	450.0	629.1	673.9	1467.5	2525.5	3054.5	2915.6	2637.9	2429.6	2358.5
100°	358.9	521.4	683.8	724.5	1605.1	2779.1	3366.1	3376.3	3396.6	3411.8	3327.2
102.5°	434.0	585.6	737.1	775.1	1668.1	2858.9	3454.3	3631.2	3985.1	4250.6	4178.0
105°	561.3	689.7	818.1	850.1	1714.9	2867.9	3444.4	3841.1	4634.5	5229.5	5190.5
107.5°	691.9	811.5	931.2	961.1	1723.6	2740.3	3248.7	3802.0	4908.6	5738.6	5748.0
110°	779.9	888.0	996.0	1023.1	1710.6	2627.2	3085.5	3704.1	4941.3	5869.1	5909.8



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	866.5	969.4	1072.4	1098.2	1711.1	2528.4	2937.0	3570.1	4836.3	5785.9	5848.3
115°	997.0	1092.0	1187.0	1210.7	1726.9	2415.1	2759.2	3369.1	4588.8	5503.7	5590.2
117.5°	1125.9	1212.1	1298.5	1320.0	1758.9	2344.1	2636.8	3187.2	4288.1	5113.7	5209.6
120°	1200.9	1282.2	1363.3	1383.7	1785.1	2320.2	2587.8	3090.8	4096.6	4851.0	4944.2
122.5°	1274.3	1356.3	1438.2	1458.7	1822.6	2307.8	2550.4	3003.2	3909.0	4588.3	4680.2
125°	1387.0	1461.6	1536.3	1555.0	1873.2	2297.5	2509.5	2894.3	3663.7	4240.7	4325.4
127.5°	1478.3	1553.7	1629.1	1648.0	1923.7	2291.4	2475.3	2805.6	3466.2	3961.7	4033.2
130°	1527.3	1608.5	1689.7	1710.0	1960.7	2295.0	2462.2	2756.2	3344.4	3785.5	3851.5
132.5°	1577.9	1659.0	1740.2	1760.5	1990.6	2297.4	2450.8	2714.0	3240.6	3635.4	3694.5
135°	1652.9	1726.8	1800.8	1819.3	2023.3	2295.3	2431.2	2651.7	3092.6	3423.3	3474.2
137.5°	1729.6	1802.8	1876.1	1894.4	2072.2	2309.3	2427.9	2614.3	2987.1	3266.6	3308.3
140°	1793.3	1860.7	1928.2	1945.0	2102.1	2311.7	2416.5	2577.5	2899.5	3141.0	3180.0
142.5°	1842.2	1904.5	1966.9	1982.5	2127.2	2320.0	2416.5	2557.9	2840.7	3052.9	3086.5
145°	1917.3	1971.7	2026.0	2039.6	2159.8	2320.0	2400.2	2515.8	2747.2	2920.7	2946.1
147.5°	1992.2	2045.2	2098.1	2111.4	2207.6	2336.0	2400.2	2491.2	2673.2	2809.8	2830.8
150°	2041.3	2089.1	2137.0	2149.0	2232.7	2344.4	2400.2	2477.1	2630.8	2746.1	2763.1
152.5°	2091.8	2128.1	2164.3	2173.4	2249.0	2349.8	2400.2	2465.9	2597.1	2695.5	2708.5
155°	2166.9	2193.8	2220.5	2227.3	2284.9	2361.7	2400.2	2452.4	2556.9	2635.2	2643.7
157.5°	2222.4	2248.5	2274.5	2281.1	2320.7	2373.7	2400.2	2440.8	2522.0	2583.0	2589.0
160°	2259.9	2280.2	2300.5	2305.6	2337.1	2379.2	2400.2	2435.0	2504.6	2556.8	2560.3
162.5°	2297.4	2312.6	2327.8	2331.6	2354.5	2384.9	2400.2	2429.6	2488.3	2532.4	2535.6
165°	2338.2	2352.0	2365.7	2369.2	2379.5	2393.3	2400.2	2421.2	2463.2	2494.8	2498.3
167.5°	2375.8	2382.3	2388.8	2390.4	2399.1	2410.7	2416.5	2430.3	2457.8	2478.5	2480.0
170°	2400.2	2406.7	2413.3	2414.9	2415.4	2416.1	2416.5	2430.3	2457.8	2478.5	2478.5
172.5°	2413.3	2414.7	2416.1	2416.5	2416.5	2416.5	2416.5	2427.4	2449.2	2465.5	2464.2
175°	2431.2	2431.2	2431.2	2431.2	2426.3	2419.8	2416.5	2423.4	2437.2	2447.5	2447.5
177.5°	2431.2	2431.2	2431.2	2431.2	2427.4	2422.3	2419.8	2425.2	2436.1	2444.2	2442.7
180°	2431.2	2431.2	2431.2	2431.2	2431.2	2431.2	2431.2	2431.2	2431.2	2431.2	2431.2



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1854.5	1854.5	1854.5	1854.5	1854.5	1854.5	1854.5	1854.5	1854.5	1854.5	1854.5
2.5°	1901.9	1896.6	1901.9	1898.3	1900.1	1894.8	1879.1	1873.8	1879.1	1884.3	1884.3
5°	1924.7	1921.2	1924.7	1924.7	1922.9	1919.4	1901.9	1898.3	1901.9	1903.7	1900.1
7.5°	1931.7	1926.4	1931.7	1928.2	1928.2	1924.7	1907.1	1903.7	1905.4	1910.6	1905.4
10°	1931.7	1926.4	1931.7	1930.0	1928.2	1924.7	1907.1	1900.1	1900.1	1905.4	1900.1
12.5°	1922.9	1919.4	1922.9	1919.4	1919.4	1915.9	1898.3	1891.4	1893.1	1894.8	1887.9
15°	1908.9	1903.7	1908.9	1905.4	1907.1	1901.9	1882.5	1875.6	1875.6	1879.1	1866.8
17.5°	1887.9	1880.8	1887.9	1886.1	1884.3	1880.8	1863.3	1856.3	1854.5	1856.3	1847.5
20°	1863.3	1858.0	1863.3	1861.5	1861.5	1854.5	1836.9	1828.2	1828.2	1828.2	1819.4
22.5°	1824.6	1819.4	1824.6	1828.2	1828.2	1826.4	1810.6	1798.4	1794.8	1794.8	1784.4
25°	1780.8	1775.5	1780.8	1780.8	1779.0	1780.8	1775.5	1768.6	1763.3	1758.0	1747.5
27.5°	1738.7	1735.2	1738.7	1735.2	1738.7	1733.4	1731.7	1729.9	1722.9	1717.6	1703.6
30°	1696.6	1693.1	1696.6	1693.1	1689.6	1686.1	1677.3	1673.8	1680.8	1677.3	1654.5
32.5°	1644.0	1640.5	1644.0	1644.0	1640.5	1640.5	1626.4	1621.1	1622.9	1633.4	1612.4
35°	1589.5	1584.3	1589.5	1587.8	1589.5	1584.3	1575.5	1573.8	1566.8	1579.1	1563.3
37.5°	1526.4	1521.2	1526.4	1526.4	1526.4	1529.9	1522.9	1517.6	1507.1	1522.9	1510.6
40°	1461.5	1454.5	1461.5	1459.7	1461.5	1465.0	1461.5	1458.0	1447.5	1459.7	1449.2
42.5°	1387.8	1386.0	1387.8	1389.6	1389.6	1396.6	1401.9	1394.8	1391.3	1382.5	1389.6
45°	1308.8	1305.3	1308.8	1312.3	1314.2	1317.6	1333.4	1333.4	1328.2	1314.2	1324.6
47.5°	1224.6	1215.9	1224.6	1235.1	1235.1	1240.5	1256.3	1268.5	1259.7	1242.2	1247.4
50°	1135.1	1136.9	1135.1	1142.2	1142.2	1161.5	1173.8	1186.1	1194.8	1173.8	1149.2
52.5°	1047.4	1045.7	1047.4	1052.7	1059.7	1068.5	1089.5	1101.8	1115.9	1103.6	1065.0
55°	959.7	963.2	959.7	961.5	965.0	970.2	1001.8	1014.1	1040.4	1024.6	984.3
57.5°	871.9	866.7	871.9	875.5	877.3	882.5	908.8	931.6	947.5	949.2	900.0
60°	770.2	763.2	770.2	786.1	789.5	793.0	817.6	838.6	852.7	857.9	807.1
62.5°	680.7	668.5	680.7	691.3	698.3	707.0	724.6	756.2	768.4	770.2	698.3
65°	586.0	580.8	586.0	607.0	608.8	619.3	638.7	661.4	687.8	684.3	580.8
67.5°	500.0	500.0	500.0	514.1	524.6	529.8	554.4	565.0	598.3	601.8	484.2
70°	421.1	419.4	421.1	431.6	438.6	450.9	473.7	486.0	512.3	521.1	393.0
72.5°	345.7	343.8	345.7	354.4	361.5	371.9	391.3	405.3	428.1	438.6	305.3
75°	279.0	275.5	279.0	285.9	284.2	298.2	314.0	328.1	349.2	356.1	226.3
77.5°	214.1	214.1	214.1	221.1	221.1	235.1	242.2	259.7	272.0	282.5	166.6
80°	159.7	157.9	159.7	161.4	161.4	168.4	180.7	193.0	203.5	203.5	114.1
82.5°	112.3	108.7	112.3	112.3	112.3	115.8	122.8	126.4	133.3	138.6	71.9
85°	70.2	70.2	70.2	71.9	70.2	73.7	75.4	78.9	78.9	75.4	43.9
87.5°	45.6	43.9	45.6	43.9	43.9	42.1	42.1	42.1	40.4	38.6	24.6
90°	62.0	62.0	62.0	62.0	62.0	82.7	110.2	124.0	106.6	71.8	45.7
92.5°	248.4	199.1	248.4	297.7	310.0	439.4	612.0	698.3	613.1	442.7	314.9
95°	865.7	716.3	865.7	1015.1	1052.5	1382.1	1821.5	2041.3	1724.0	1089.4	613.5
97.5°	2074.2	1789.9	2074.2	2358.5	2429.6	2637.9	2915.6	3054.5	2525.5	1467.5	673.9
100°	2988.5	2649.8	2988.5	3327.2	3411.8	3396.6	3376.3	3366.1	2779.1	1605.1	724.5
102.5°	3888.0	3597.8	3888.0	4178.0	4250.6	3985.1	3631.2	3454.3	2858.9	1668.1	775.1
105°	5034.7	4878.8	5034.7	5190.5	5229.5	4634.5	3841.1	3444.4	2867.9	1714.9	850.1
107.5°	5785.8	5823.4	5785.8	5748.0	5738.6	4908.6	3802.0	3248.7	2740.3	1723.6	961.1
110°	6072.2	6234.7	6072.2	5909.8	5869.1	4941.3	3704.1	3085.5	2627.2	1710.6	1023.1



TEST NUMBER: P935826

CATALOG NUMBER: SQ4-FA-150U-050D-92765-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	6097.8	6347.3	6097.8	5848.3	5785.9	4836.3	3570.1	2937.0	2528.4	1711.1	1098.2
115°	5936.0	6282.0	5936.0	5590.2	5503.7	4588.8	3369.1	2759.2	2415.1	1726.9	1210.7
117.5°	5593.2	5976.8	5593.2	5209.6	5113.7	4288.1	3187.2	2636.8	2344.1	1758.9	1320.0
120°	5316.9	5689.7	5316.9	4944.2	4851.0	4096.6	3090.8	2587.8	2320.2	1785.1	1383.7
122.5°	5047.9	5415.6	5047.9	4680.2	4588.3	3909.0	3003.2	2550.4	2307.8	1822.6	1458.7
125°	4664.1	5002.8	4664.1	4325.4	4240.7	3663.7	2894.3	2509.5	2297.5	1873.2	1555.0
127.5°	4318.9	4604.6	4318.9	4033.2	3961.7	3466.2	2805.6	2475.3	2291.4	1923.7	1648.0
130°	4115.5	4379.4	4115.5	3851.5	3785.5	3344.4	2756.2	2462.2	2295.0	1960.7	1710.0
132.5°	3930.9	4167.3	3930.9	3694.5	3635.4	3240.6	2714.0	2450.8	2297.4	1990.6	1760.5
135°	3678.0	3881.8	3678.0	3474.2	3423.3	3092.6	2651.7	2431.2	2295.3	2023.3	1819.3
137.5°	3475.1	3641.9	3475.1	3308.3	3266.6	2987.1	2614.3	2427.9	2309.3	2072.2	1894.4
140°	3335.9	3491.8	3335.9	3180.0	3141.0	2899.5	2577.5	2416.5	2311.7	2102.1	1945.0
142.5°	3220.6	3354.7	3220.6	3086.5	3052.9	2840.7	2557.9	2416.5	2320.0	2127.2	1982.5
145°	3047.7	3149.2	3047.7	2946.1	2920.7	2747.2	2515.8	2400.2	2320.0	2159.8	2039.6
147.5°	2914.9	2999.0	2914.9	2830.8	2809.8	2673.2	2491.2	2400.2	2336.0	2207.6	2111.4
150°	2831.3	2899.5	2831.3	2763.1	2746.1	2630.8	2477.1	2400.2	2344.4	2232.7	2149.0
152.5°	2759.9	2811.4	2759.9	2708.5	2695.5	2597.1	2465.9	2400.2	2349.8	2249.0	2173.4
155°	2677.8	2711.9	2677.8	2643.7	2635.2	2556.9	2452.4	2400.2	2361.7	2284.9	2227.3
157.5°	2612.9	2636.8	2612.9	2589.0	2583.0	2522.0	2440.8	2400.2	2373.7	2320.7	2281.1
160°	2574.1	2587.8	2574.1	2560.3	2556.8	2504.6	2435.0	2400.2	2379.2	2337.1	2305.6
162.5°	2548.7	2561.8	2548.7	2535.6	2532.4	2488.3	2429.6	2400.2	2384.9	2354.5	2331.6
165°	2512.1	2525.8	2512.1	2498.3	2494.8	2463.2	2421.2	2400.2	2393.3	2379.5	2369.2
167.5°	2485.7	2491.6	2485.7	2480.0	2478.5	2457.8	2430.3	2416.5	2410.7	2399.1	2390.4
170°	2478.5	2478.5	2478.5	2478.5	2478.5	2457.8	2430.3	2416.5	2416.1	2415.4	2414.9
172.5°	2459.1	2454.1	2459.1	2464.2	2465.5	2449.2	2427.4	2416.5	2416.5	2416.5	2416.5
175°	2447.5	2447.5	2447.5	2447.5	2447.5	2437.2	2423.4	2416.5	2419.8	2426.3	2431.2
177.5°	2437.0	2431.2	2437.0	2442.7	2444.2	2436.1	2425.2	2419.8	2422.3	2427.4	2431.2
180°	2431.2	2431.2	2431.2	2431.2	2431.2	2431.2	2431.2	2431.2	2431.2	2431.2	2431.2



TEST NUMBER: P935826

CATALOG NUMBER: SQ4-FA-150U-050D-92765-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1854.5	1854.5	1854.5	1854.5	1854.5	1854.5	1854.5	1854.5	1854.5	1854.5	1854.5
2.5°	1880.8	1870.3	1870.3	1852.7	1845.7	1840.4	1831.7	1805.4	1798.4	1791.3	1801.9
5°	1896.6	1877.3	1863.3	1831.7	1805.4	1794.8	1761.5	1698.4	1656.3	1624.7	1607.2
7.5°	1900.1	1875.6	1849.2	1800.1	1736.9	1708.8	1607.2	1491.4	1459.7	1431.7	1414.1
10°	1896.6	1868.5	1831.7	1758.0	1608.9	1559.7	1458.0	1382.5	1363.3	1358.0	1363.3
12.5°	1884.3	1858.0	1807.1	1684.3	1475.6	1442.2	1382.5	1338.7	1335.2	1344.0	1391.3
15°	1863.3	1838.7	1779.0	1586.1	1401.9	1377.3	1335.2	1319.4	1338.7	1400.1	1542.2
17.5°	1842.3	1814.2	1740.5	1489.6	1345.7	1328.2	1298.3	1329.9	1438.7	1521.2	1568.5
20°	1814.2	1780.8	1696.6	1419.4	1305.3	1289.6	1275.5	1417.7	1500.1	1529.9	1556.2
22.5°	1780.8	1745.7	1637.0	1370.2	1263.2	1250.9	1259.7	1466.8	1500.1	1521.2	1543.9
25°	1736.9	1707.1	1566.8	1331.7	1229.9	1215.9	1249.2	1461.5	1480.8	1486.0	1531.6
27.5°	1696.6	1658.0	1493.1	1296.5	1189.5	1184.3	1258.0	1438.7	1452.7	1458.0	1507.1
30°	1647.4	1589.5	1410.6	1259.7	1147.4	1145.7	1259.7	1410.6	1407.1	1421.2	1470.2
32.5°	1596.6	1487.8	1317.6	1214.1	1107.0	1105.3	1247.4	1368.5	1365.0	1384.3	1421.2
35°	1549.3	1408.9	1191.3	1161.5	1056.2	1058.0	1217.6	1319.4	1321.1	1338.7	1361.5
37.5°	1500.1	1340.4	1052.7	1103.6	1007.1	1007.1	1177.2	1273.8	1270.3	1275.5	1307.1
40°	1442.2	1233.4	929.8	1028.1	961.5	956.2	1128.2	1224.6	1212.4	1210.6	1254.4
42.5°	1380.8	1115.9	838.6	928.1	908.8	901.8	1068.5	1165.0	1142.2	1147.4	1203.6
45°	1314.2	1084.3	768.4	784.2	854.4	849.2	1003.5	1096.6	1080.8	1094.8	1152.7
47.5°	1247.4	1021.2	745.7	650.9	796.5	794.8	931.6	1029.9	1021.2	1035.2	1096.6
50°	1156.2	951.0	743.9	557.9	731.6	738.6	845.7	965.0	965.0	977.3	1042.2
52.5°	1038.7	865.0	675.5	505.3	656.2	677.2	770.2	908.8	912.3	924.6	982.5
55°	931.6	775.5	626.4	465.0	566.7	612.3	696.5	850.9	857.9	870.2	922.9
57.5°	833.4	645.7	615.8	417.5	484.2	528.1	631.6	794.8	798.3	808.8	859.7
60°	728.1	466.7	565.0	366.7	412.3	445.6	572.0	728.1	740.4	747.4	791.3
62.5°	608.8	338.6	512.3	331.6	377.2	384.2	522.9	664.9	680.7	686.0	712.4
65°	433.4	284.2	435.1	301.8	340.4	342.1	470.2	600.0	614.1	622.8	642.2
67.5°	293.0	231.6	331.6	273.7	312.3	314.0	419.4	524.6	543.9	551.0	563.2
70°	203.5	154.4	245.7	243.9	280.7	284.2	364.9	456.2	473.7	479.0	486.0
72.5°	149.1	124.5	203.5	219.3	247.4	250.9	308.8	379.0	396.5	401.7	405.3
75°	114.1	131.6	164.9	191.2	210.5	212.3	252.6	308.8	321.1	324.6	326.3
77.5°	91.2	122.8	121.0	154.4	172.0	168.4	198.3	238.6	249.1	249.1	249.1
80°	68.5	96.5	91.2	110.6	126.4	122.8	142.1	170.2	173.7	177.2	175.5
82.5°	50.8	61.4	61.4	70.2	84.2	80.8	94.7	110.6	110.6	110.6	114.1
85°	31.6	35.1	28.1	36.9	47.4	45.6	52.7	59.6	61.4	61.4	57.9
87.5°	19.3	15.8	8.8	14.0	21.0	21.0	24.6	26.3	24.6	24.6	24.6
90°	42.5	29.4	16.3	29.4	42.5	45.7	71.8	106.6	124.0	110.2	82.7
92.5°	287.2	176.2	65.2	176.2	287.2	314.9	442.7	613.1	698.3	612.0	439.4
95°	562.7	359.6	156.6	359.6	562.7	613.5	1089.4	1724.0	2041.3	1821.5	1382.1
97.5°	629.1	450.0	270.9	450.0	629.1	673.9	1467.5	2525.5	3054.5	2915.6	2637.9
100°	683.8	521.4	358.9	521.4	683.8	724.5	1605.1	2779.1	3366.1	3376.3	3396.6
102.5°	737.1	585.6	434.0	585.6	737.1	775.1	1668.1	2858.9	3454.3	3631.2	3985.1
105°	818.1	689.7	561.3	689.7	818.1	850.1	1714.9	2867.9	3444.4	3841.1	4634.5
107.5°	931.2	811.5	691.9	811.5	931.2	961.1	1723.6	2740.3	3248.7	3802.0	4908.6
110°	996.0	888.0	779.9	888.0	996.0	1023.1	1710.6	2627.2	3085.5	3704.1	4941.3



TEST NUMBER: P935826

CATALOG NUMBER: SQ4-FA-150U-050D-92765-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	1072.4	969.4	866.5	969.4	1072.4	1098.2	1711.1	2528.4	2937.0	3570.1	4836.3
115°	1187.0	1092.0	997.0	1092.0	1187.0	1210.7	1726.9	2415.1	2759.2	3369.1	4588.8
117.5°	1298.5	1212.1	1125.9	1212.1	1298.5	1320.0	1758.9	2344.1	2636.8	3187.2	4288.1
120°	1363.3	1282.2	1200.9	1282.2	1363.3	1383.7	1785.1	2320.2	2587.8	3090.8	4096.6
122.5°	1438.2	1356.3	1274.3	1356.3	1438.2	1458.7	1822.6	2307.8	2550.4	3003.2	3909.0
125°	1536.3	1461.6	1387.0	1461.6	1536.3	1555.0	1873.2	2297.5	2509.5	2894.3	3663.7
127.5°	1629.1	1553.7	1478.3	1553.7	1629.1	1648.0	1923.7	2291.4	2475.3	2805.6	3466.2
130°	1689.7	1608.5	1527.3	1608.5	1689.7	1710.0	1960.7	2295.0	2462.2	2756.2	3344.4
132.5°	1740.2	1659.0	1577.9	1659.0	1740.2	1760.5	1990.6	2297.4	2450.8	2714.0	3240.6
135°	1800.8	1726.8	1652.9	1726.8	1800.8	1819.3	2023.3	2295.3	2431.2	2651.7	3092.6
137.5°	1876.1	1802.8	1729.6	1802.8	1876.1	1894.4	2072.2	2309.3	2427.9	2614.3	2987.1
140°	1928.2	1860.7	1793.3	1860.7	1928.2	1945.0	2102.1	2311.7	2416.5	2577.5	2899.5
142.5°	1966.9	1904.5	1842.2	1904.5	1966.9	1982.5	2127.2	2320.0	2416.5	2557.9	2840.7
145°	2026.0	1971.7	1917.3	1971.7	2026.0	2039.6	2159.8	2320.0	2400.2	2515.8	2747.2
147.5°	2098.1	2045.2	1992.2	2045.2	2098.1	2111.4	2207.6	2336.0	2400.2	2491.2	2673.2
150°	2137.0	2089.1	2041.3	2089.1	2137.0	2149.0	2232.7	2344.4	2400.2	2477.1	2630.8
152.5°	2164.3	2128.1	2091.8	2128.1	2164.3	2173.4	2249.0	2349.8	2400.2	2465.9	2597.1
155°	2220.5	2193.8	2166.9	2193.8	2220.5	2227.3	2284.9	2361.7	2400.2	2452.4	2556.9
157.5°	2274.5	2248.5	2222.4	2248.5	2274.5	2281.1	2320.7	2373.7	2400.2	2440.8	2522.0
160°	2300.5	2280.2	2259.9	2280.2	2300.5	2305.6	2337.1	2379.2	2400.2	2435.0	2504.6
162.5°	2327.8	2312.6	2297.4	2312.6	2327.8	2331.6	2354.5	2384.9	2400.2	2429.6	2488.3
165°	2365.7	2352.0	2338.2	2352.0	2365.7	2369.2	2379.5	2393.3	2400.2	2421.2	2463.2
167.5°	2388.8	2382.3	2375.8	2382.3	2388.8	2390.4	2399.1	2410.7	2416.5	2430.3	2457.8
170°	2413.3	2406.7	2400.2	2406.7	2413.3	2414.9	2415.4	2416.1	2416.5	2430.3	2457.8
172.5°	2416.1	2414.7	2413.3	2414.7	2416.1	2416.5	2416.5	2416.5	2416.5	2427.4	2449.2
175°	2431.2	2431.2	2431.2	2431.2	2431.2	2431.2	2426.3	2419.8	2416.5	2423.4	2437.2
177.5°	2431.2	2431.2	2431.2	2431.2	2431.2	2431.2	2427.4	2422.3	2419.8	2425.2	2436.1
180°	2431.2	2431.2	2431.2	2431.2	2431.2	2431.2	2431.2	2431.2	2431.2	2431.2	2431.2



TEST NUMBER: P935826

CATALOG NUMBER: SQ4-FA-150U-050D-92765-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1854.5	1854.5	1854.5	1854.5	1854.5	1854.5	1854.5	1854.5	1854.5	1854.5	1854.5
2.5°	1789.6	1784.4	1791.3	1772.1	1791.3	1784.4	1789.6	1801.9	1791.3	1798.4	1805.4
5°	1570.3	1561.5	1533.5	1510.6	1533.5	1561.5	1570.3	1607.2	1624.7	1656.3	1698.4
7.5°	1403.6	1396.6	1389.6	1375.5	1389.6	1396.6	1403.6	1414.1	1431.7	1459.7	1491.4
10°	1366.7	1368.5	1379.0	1377.3	1379.0	1368.5	1366.7	1363.3	1358.0	1363.3	1382.5
12.5°	1461.5	1477.3	1535.2	1531.6	1535.2	1477.3	1461.5	1391.3	1344.0	1335.2	1338.7
15°	1570.3	1575.5	1587.8	1589.5	1587.8	1575.5	1570.3	1542.2	1400.1	1338.7	1319.4
17.5°	1580.8	1582.6	1591.3	1591.3	1591.3	1582.6	1580.8	1568.5	1521.2	1438.7	1329.9
20°	1572.0	1575.5	1593.1	1596.6	1593.1	1575.5	1572.0	1556.2	1529.9	1500.1	1417.7
22.5°	1568.5	1575.5	1589.5	1587.8	1589.5	1575.5	1568.5	1543.9	1521.2	1500.1	1466.8
25°	1551.0	1551.0	1552.7	1554.5	1552.7	1551.0	1551.0	1531.6	1486.0	1480.8	1461.5
27.5°	1514.1	1517.6	1528.2	1526.4	1528.2	1517.6	1514.1	1507.1	1458.0	1452.7	1438.7
30°	1480.8	1477.3	1468.5	1461.5	1468.5	1477.3	1480.8	1470.2	1421.2	1407.1	1410.6
32.5°	1424.6	1415.8	1407.1	1401.9	1407.1	1415.8	1424.6	1421.2	1384.3	1365.0	1368.5
35°	1358.0	1359.8	1358.0	1352.7	1358.0	1359.8	1358.0	1361.5	1338.7	1321.1	1319.4
37.5°	1310.6	1314.2	1312.3	1305.3	1312.3	1314.2	1310.6	1307.1	1275.5	1270.3	1273.8
40°	1261.5	1263.2	1261.5	1256.3	1261.5	1263.2	1261.5	1254.4	1210.6	1212.4	1224.6
42.5°	1214.1	1212.4	1207.1	1203.6	1207.1	1212.4	1214.1	1203.6	1147.4	1142.2	1165.0
45°	1159.7	1161.5	1150.9	1145.7	1150.9	1161.5	1159.7	1152.7	1094.8	1080.8	1096.6
47.5°	1105.3	1105.3	1096.6	1091.3	1096.6	1105.3	1105.3	1096.6	1035.2	1021.2	1029.9
50°	1047.4	1045.7	1033.4	1031.6	1033.4	1045.7	1047.4	1042.2	977.3	965.0	965.0
52.5°	980.8	980.8	982.5	986.0	982.5	980.8	980.8	982.5	924.6	912.3	908.8
55°	922.9	924.6	936.9	940.4	936.9	924.6	922.9	922.9	870.2	857.9	850.9
57.5°	863.2	863.2	871.9	871.9	871.9	863.2	863.2	859.7	808.8	798.3	794.8
60°	794.8	798.3	805.3	803.6	805.3	798.3	794.8	791.3	747.4	740.4	728.1
62.5°	722.8	726.4	728.1	724.6	728.1	726.4	722.8	712.4	686.0	680.7	664.9
65°	647.4	650.9	652.6	649.1	652.6	650.9	647.4	642.2	622.8	614.1	600.0
67.5°	570.2	568.5	566.7	573.7	566.7	568.5	570.2	563.2	551.0	543.9	524.6
70°	491.2	491.2	489.5	493.0	489.5	491.2	491.2	486.0	479.0	473.7	456.2
72.5°	407.1	405.3	412.3	407.1	412.3	405.3	407.1	405.3	401.7	396.5	379.0
75°	324.6	328.1	324.6	329.8	324.6	328.1	324.6	326.3	324.6	321.1	308.8
77.5°	247.4	250.9	247.4	247.4	247.4	250.9	247.4	249.1	249.1	249.1	238.6
80°	175.5	173.7	173.7	172.0	173.7	173.7	175.5	175.5	177.2	173.7	170.2
82.5°	112.3	110.6	110.6	114.1	110.6	110.6	112.3	114.1	110.6	110.6	110.6
85°	61.4	63.1	59.6	59.6	59.6	63.1	61.4	57.9	61.4	61.4	59.6
87.5°	22.8	21.0	21.0	21.0	21.0	21.0	22.8	24.6	24.6	24.6	26.3
90°	62.0	62.0	62.0	62.0	62.0	62.0	62.0	82.7	110.2	124.0	106.6
92.5°	310.0	297.7	248.4	199.1	248.4	297.7	310.0	439.4	612.0	698.3	613.1
95°	1052.5	1015.1	865.7	716.3	865.7	1015.1	1052.5	1382.1	1821.5	2041.3	1724.0
97.5°	2429.6	2358.5	2074.2	1789.9	2074.2	2358.5	2429.6	2637.9	2915.6	3054.5	2525.5
100°	3411.8	3327.2	2988.5	2649.8	2988.5	3327.2	3411.8	3396.6	3376.3	3366.1	2779.1
102.5°	4250.6	4178.0	3888.0	3597.8	3888.0	4178.0	4250.6	3985.1	3631.2	3454.3	2858.9
105°	5229.5	5190.5	5034.7	4878.8	5034.7	5190.5	5229.5	4634.5	3841.1	3444.4	2867.9
107.5°	5738.6	5748.0	5785.8	5823.4	5785.8	5748.0	5738.6	4908.6	3802.0	3248.7	2740.3
110°	5869.1	5909.8	6072.2	6234.7	6072.2	5909.8	5869.1	4941.3	3704.1	3085.5	2627.2



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	5785.9	5848.3	6097.8	6347.3	6097.8	5848.3	5785.9	4836.3	3570.1	2937.0	2528.4
115°	5503.7	5590.2	5936.0	6282.0	5936.0	5590.2	5503.7	4588.8	3369.1	2759.2	2415.1
117.5°	5113.7	5209.6	5593.2	5976.8	5593.2	5209.6	5113.7	4288.1	3187.2	2636.8	2344.1
120°	4851.0	4944.2	5316.9	5689.7	5316.9	4944.2	4851.0	4096.6	3090.8	2587.8	2320.2
122.5°	4588.3	4680.2	5047.9	5415.6	5047.9	4680.2	4588.3	3909.0	3003.2	2550.4	2307.8
125°	4240.7	4325.4	4664.1	5002.8	4664.1	4325.4	4240.7	3663.7	2894.3	2509.5	2297.5
127.5°	3961.7	4033.2	4318.9	4604.6	4318.9	4033.2	3961.7	3466.2	2805.6	2475.3	2291.4
130°	3785.5	3851.5	4115.5	4379.4	4115.5	3851.5	3785.5	3344.4	2756.2	2462.2	2295.0
132.5°	3635.4	3694.5	3930.9	4167.3	3930.9	3694.5	3635.4	3240.6	2714.0	2450.8	2297.4
135°	3423.3	3474.2	3678.0	3881.8	3678.0	3474.2	3423.3	3092.6	2651.7	2431.2	2295.3
137.5°	3266.6	3308.3	3475.1	3641.9	3475.1	3308.3	3266.6	2987.1	2614.3	2427.9	2309.3
140°	3141.0	3180.0	3335.9	3491.8	3335.9	3180.0	3141.0	2899.5	2577.5	2416.5	2311.7
142.5°	3052.9	3086.5	3220.6	3354.7	3220.6	3086.5	3052.9	2840.7	2557.9	2416.5	2320.0
145°	2920.7	2946.1	3047.7	3149.2	3047.7	2946.1	2920.7	2747.2	2515.8	2400.2	2320.0
147.5°	2809.8	2830.8	2914.9	2999.0	2914.9	2830.8	2809.8	2673.2	2491.2	2400.2	2336.0
150°	2746.1	2763.1	2831.3	2899.5	2831.3	2763.1	2746.1	2630.8	2477.1	2400.2	2344.4
152.5°	2695.5	2708.5	2759.9	2811.4	2759.9	2708.5	2695.5	2597.1	2465.9	2400.2	2349.8
155°	2635.2	2643.7	2677.8	2711.9	2677.8	2643.7	2635.2	2556.9	2452.4	2400.2	2361.7
157.5°	2583.0	2589.0	2612.9	2636.8	2612.9	2589.0	2583.0	2522.0	2440.8	2400.2	2373.7
160°	2556.8	2560.3	2574.1	2587.8	2574.1	2560.3	2556.8	2504.6	2435.0	2400.2	2379.2
162.5°	2532.4	2535.6	2548.7	2561.8	2548.7	2535.6	2532.4	2488.3	2429.6	2400.2	2384.9
165°	2494.8	2498.3	2512.1	2525.8	2512.1	2498.3	2494.8	2463.2	2421.2	2400.2	2393.3
167.5°	2478.5	2480.0	2485.7	2491.6	2485.7	2480.0	2478.5	2457.8	2430.3	2416.5	2410.7
170°	2478.5	2478.5	2478.5	2478.5	2478.5	2478.5	2478.5	2457.8	2430.3	2416.5	2416.1
172.5°	2465.5	2464.2	2459.1	2454.1	2459.1	2464.2	2465.5	2449.2	2427.4	2416.5	2416.5
175°	2447.5	2447.5	2447.5	2447.5	2447.5	2447.5	2447.5	2437.2	2423.4	2416.5	2419.8
177.5°	2444.2	2442.7	2437.0	2431.2	2437.0	2442.7	2444.2	2436.1	2425.2	2419.8	2422.3
180°	2431.2	2431.2	2431.2	2431.2	2431.2	2431.2	2431.2	2431.2	2431.2	2431.2	2431.2



TEST NUMBER: P935826

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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1854.5	1854.5	1854.5	1854.5	1854.5
2.5°	1831.7	1840.4	1845.7	1852.7	1870.3
5°	1761.5	1794.8	1805.4	1831.7	1863.3
7.5°	1607.2	1708.8	1736.9	1800.1	1849.2
10°	1458.0	1559.7	1608.9	1758.0	1831.7
12.5°	1382.5	1442.2	1475.6	1684.3	1807.1
15°	1335.2	1377.3	1401.9	1586.1	1779.0
17.5°	1298.3	1328.2	1345.7	1489.6	1740.5
20°	1275.5	1289.6	1305.3	1419.4	1696.6
22.5°	1259.7	1250.9	1263.2	1370.2	1637.0
25°	1249.2	1215.9	1229.9	1331.7	1566.8
27.5°	1258.0	1184.3	1189.5	1296.5	1493.1
30°	1259.7	1145.7	1147.4	1259.7	1410.6
32.5°	1247.4	1105.3	1107.0	1214.1	1317.6
35°	1217.6	1058.0	1056.2	1161.5	1191.3
37.5°	1177.2	1007.1	1007.1	1103.6	1052.7
40°	1128.2	956.2	961.5	1028.1	929.8
42.5°	1068.5	901.8	908.8	928.1	838.6
45°	1003.5	849.2	854.4	784.2	768.4
47.5°	931.6	794.8	796.5	650.9	745.7
50°	845.7	738.6	731.6	557.9	743.9
52.5°	770.2	677.2	656.2	505.3	675.5
55°	696.5	612.3	566.7	465.0	626.4
57.5°	631.6	528.1	484.2	417.5	615.8
60°	572.0	445.6	412.3	366.7	565.0
62.5°	522.9	384.2	377.2	331.6	512.3
65°	470.2	342.1	340.4	301.8	435.1
67.5°	419.4	314.0	312.3	273.7	331.6
70°	364.9	284.2	280.7	243.9	245.7
72.5°	308.8	250.9	247.4	219.3	203.5
75°	252.6	212.3	210.5	191.2	164.9
77.5°	198.3	168.4	172.0	154.4	121.0
80°	142.1	122.8	126.4	110.6	91.2
82.5°	94.7	80.8	84.2	70.2	61.4
85°	52.7	45.6	47.4	36.9	28.1
87.5°	24.6	21.0	21.0	14.0	8.8
90°	71.8	45.7	42.5	29.4	16.3
92.5°	442.7	314.9	287.2	176.2	65.2
95°	1089.4	613.5	562.7	359.6	156.6
97.5°	1467.5	673.9	629.1	450.0	270.9
100°	1605.1	724.5	683.8	521.4	358.9
102.5°	1668.1	775.1	737.1	585.6	434.0
105°	1714.9	850.1	818.1	689.7	561.3
107.5°	1723.6	961.1	931.2	811.5	691.9
110°	1710.6	1023.1	996.0	888.0	779.9



TEST NUMBER: P935826

CATALOG NUMBER: SQ4-FA-150U-050D-92765-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1711.1	1098.2	1072.4	969.4	866.5
115°	1726.9	1210.7	1187.0	1092.0	997.0
117.5°	1758.9	1320.0	1298.5	1212.1	1125.9
120°	1785.1	1383.7	1363.3	1282.2	1200.9
122.5°	1822.6	1458.7	1438.2	1356.3	1274.3
125°	1873.2	1555.0	1536.3	1461.6	1387.0
127.5°	1923.7	1648.0	1629.1	1553.7	1478.3
130°	1960.7	1710.0	1689.7	1608.5	1527.3
132.5°	1990.6	1760.5	1740.2	1659.0	1577.9
135°	2023.3	1819.3	1800.8	1726.8	1652.9
137.5°	2072.2	1894.4	1876.1	1802.8	1729.6
140°	2102.1	1945.0	1928.2	1860.7	1793.3
142.5°	2127.2	1982.5	1966.9	1904.5	1842.2
145°	2159.8	2039.6	2026.0	1971.7	1917.3
147.5°	2207.6	2111.4	2098.1	2045.2	1992.2
150°	2232.7	2149.0	2137.0	2089.1	2041.3
152.5°	2249.0	2173.4	2164.3	2128.1	2091.8
155°	2284.9	2227.3	2220.5	2193.8	2166.9
157.5°	2320.7	2281.1	2274.5	2248.5	2222.4
160°	2337.1	2305.6	2300.5	2280.2	2259.9
162.5°	2354.5	2331.6	2327.8	2312.6	2297.4
165°	2379.5	2369.2	2365.7	2352.0	2338.2
167.5°	2399.1	2390.4	2388.8	2382.3	2375.8
170°	2415.4	2414.9	2413.3	2406.7	2400.2
172.5°	2416.5	2416.5	2416.1	2414.7	2413.3
175°	2426.3	2431.2	2431.2	2431.2	2431.2
177.5°	2427.4	2431.2	2431.2	2431.2	2431.2
180°	2431.2	2431.2	2431.2	2431.2	2431.2



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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	7.67	8.34	8.83	9.48	11.09	10.52	11.19	11.68	12.33	13.94
	3H	8.13	8.73	9.30	9.88	11.50	11.86	12.45	13.02	13.61	15.23
	4H	8.31	8.88	9.49	10.03	11.66	12.30	12.86	13.47	14.01	15.64
	6H	8.42	8.94	9.60	10.10	11.73	12.58	13.10	13.76	14.25	15.89
	8H	8.42	8.91	9.60	10.08	11.71	12.65	13.14	13.83	14.31	15.94
	12H	8.38	8.85	9.57	10.01	11.66	12.68	13.15	13.87	14.32	15.97
4H	2H	8.68	9.25	9.86	10.40	12.03	10.91	11.47	12.09	12.62	14.25
	3H	9.69	10.16	10.88	11.34	12.98	12.40	12.87	13.58	14.05	15.68
	4H	9.96	10.39	11.15	11.56	13.21	12.92	13.36	14.11	14.52	16.18
	6H	10.07	10.44	11.26	11.63	13.28	13.28	13.65	14.47	14.84	16.49
	8H	10.07	10.42	11.26	11.60	13.26	13.39	13.73	14.58	14.91	16.58
	12H	10.03	10.35	11.24	11.54	13.20	13.44	13.75	14.64	14.94	16.61
8H	4H	10.40	10.75	11.59	11.93	13.59	13.03	13.38	14.22	14.56	16.22
	6H	10.65	10.94	11.86	12.16	13.82	13.47	13.75	14.67	14.97	16.63
	8H	10.69	10.94	11.91	12.14	13.82	13.62	13.87	14.83	15.06	16.74
	12H	10.67	10.89	11.89	12.08	13.79	13.71	13.93	14.93	15.13	16.84
12H	4H	10.40	10.71	11.60	11.90	13.57	12.99	13.30	14.19	14.49	16.16
	6H	10.71	10.96	11.93	12.16	13.84	13.46	13.71	14.67	14.91	16.59
	8H	10.77	10.99	11.99	12.19	13.90	13.62	13.83	14.83	15.03	16.74