

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: P935825

Luminaire Tested: SQ4-FA-150U-050D-92765-1D-UNV-STD-W-12-2700K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935825
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-12-2700K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

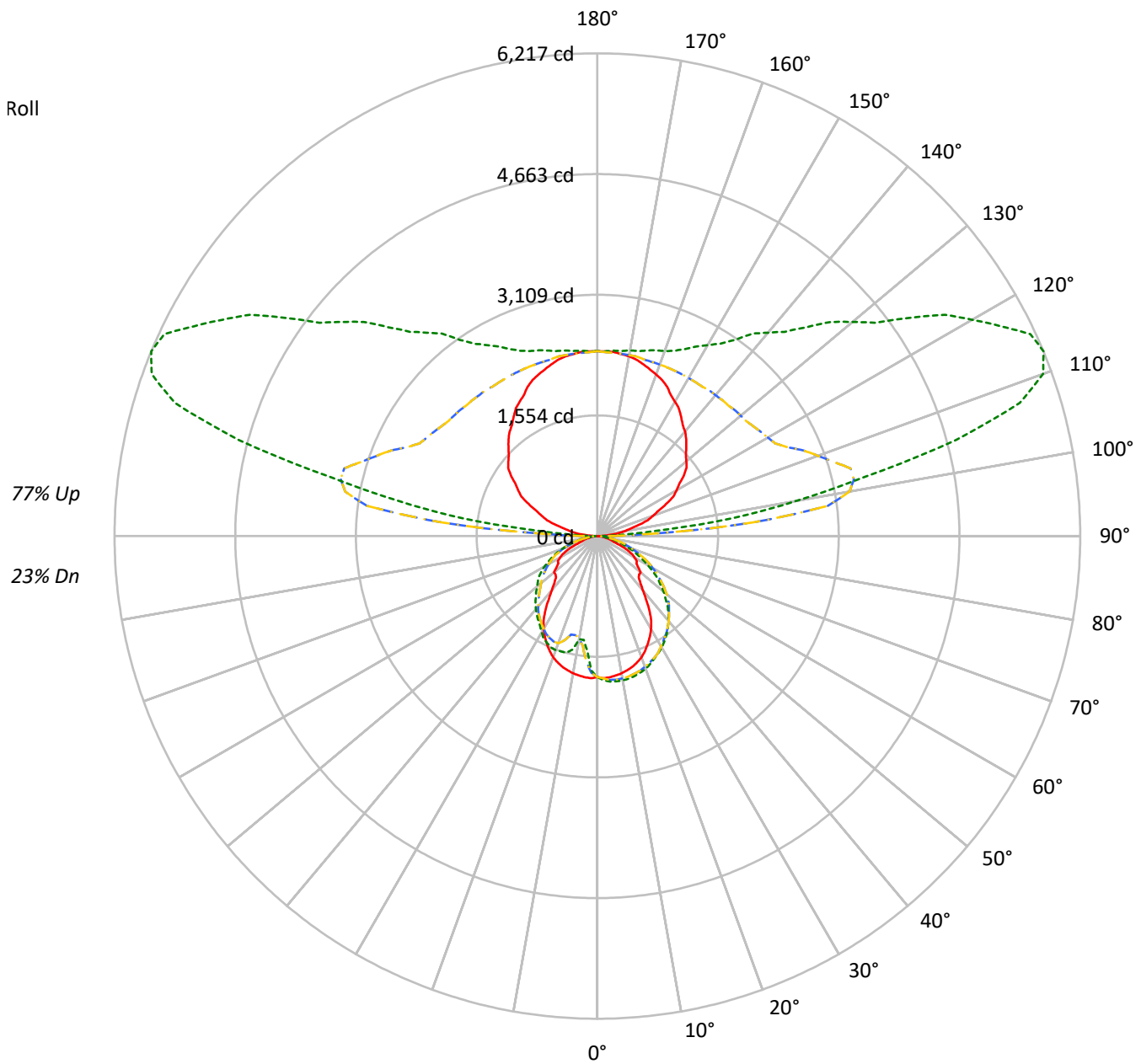
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20155.7 lumens
Efficiency: N/A
Efficacy: 120.8 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°	5618	5618	5618	5618
5°	5662	5671	5662	4459
10°	5627	5587	5627	3994
15°	5567	5466	5567	4564
20°	5453	5322	5453	4573
25°	5217	5113	5217	4477
30°	4911	4939	4911	4264
35°	4380	4720	4380	4030
40°	3652	4461	3652	3853
45°	3265	4159	3265	3650
50°	3472	3798	3472	3446
55°	3269	3409	3269	3328
60°	3375	2895	3375	3048
65°	3065	2393	3065	2675
70°	2127	1908	2127	2243
75°	1872	1410	1872	1688
80°	1519	932	1519	1015
85°	891	494	891	419

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 90°
 Luminance: 5939 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	164.0	0.8
10°-20°	465.5	2.3
20°-30°	719.6	3.6
30°-40°	859.1	4.3
40°-50°	864.1	4.3
50°-60°	751.9	3.7
60°-70°	533.1	2.6
70°-80°	282.0	1.4
80°-90°	79.3	0.4
90°-100°	1160.8	5.8
100°-110°	3051.7	15.1
110°-120°	3164.3	15.7
120°-130°	2538.1	12.6
130°-140°	1991.5	9.9
140°-150°	1528.6	7.6
150°-160°	1100.8	5.5
160°-170°	673.6	3.3
170°-180°	227.6	1.1
0°-30°	1349.1	6.7
0°-40°	2208.2	11.0
0°-60°	3824.3	19.0
0°-90°	4718.8	23.4
90°-120°	7376.7	36.6
90°-150°	13435.0	66.7
90°-180°	15437.0	76.6
0°-180°	20155.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1816	1816	1816	1816	1816	
5°	1825	1882	1825	1480	1825	173
15°	1742	1865	1742	1557	1742	490
25°	1535	1739	1535	1523	1535	705
35°	1167	1552	1167	1325	1167	722
45°	753	1278	753	1122	753	603
55°	614	944	614	921	614	564
65°	426	569	426	636	426	407
75°	162	270	162	323	162	170
85°	28	69	28	58	28	37
90°	16	61	16	61	16	14
95°	153	702	153	702	153	170
105°	550	4779	550	4779	550	583
115°	976	6153	976	6153	976	964
125°	1358	4900	1358	4900	1358	1206
135°	1619	3802	1619	3802	1619	1253
145°	1878	3084	1878	3084	1878	1176
155°	2122	2656	2122	2656	2122	975
165°	2290	2474	2290	2474	2290	646
175°	2381	2397	2381	2397	2381	226
180°	2381	2381	2381	2381	2381	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1816.4	1816.4	1816.4	1816.4	1816.4	1816.4	1816.4	1816.4	1816.4	1816.4	1816.4
2.5°	1831.8	1831.8	1842.2	1845.6	1845.6	1840.5	1835.4	1840.5	1855.9	1861.1	1859.4
5°	1825.0	1838.8	1857.6	1861.1	1864.6	1862.9	1859.4	1862.9	1880.0	1883.4	1885.1
7.5°	1811.3	1837.1	1861.1	1866.3	1871.4	1866.3	1864.6	1868.0	1885.1	1888.6	1888.6
10°	1794.1	1830.1	1857.6	1861.1	1866.3	1861.1	1861.1	1868.0	1885.1	1888.6	1890.4
12.5°	1770.0	1819.9	1845.6	1849.1	1855.9	1854.2	1852.5	1859.4	1876.6	1880.0	1880.0
15°	1742.5	1800.9	1825.0	1828.4	1840.5	1837.1	1837.1	1843.9	1862.9	1868.0	1866.3
17.5°	1704.8	1776.9	1804.4	1809.6	1818.2	1816.4	1818.2	1825.0	1842.2	1845.6	1847.4
20°	1661.8	1744.2	1776.9	1782.1	1790.7	1790.7	1790.7	1799.2	1816.4	1823.3	1823.3
22.5°	1603.4	1709.9	1744.2	1747.7	1758.0	1758.0	1761.5	1773.4	1788.9	1790.7	1790.7
25°	1534.6	1672.0	1701.3	1711.6	1721.9	1727.0	1732.3	1739.1	1744.2	1742.5	1744.2
27.5°	1462.4	1624.0	1661.8	1668.6	1682.4	1687.5	1694.4	1696.1	1697.8	1703.0	1699.5
30°	1381.6	1556.9	1613.6	1620.5	1642.8	1646.3	1639.4	1642.8	1651.5	1654.9	1658.3
32.5°	1290.6	1457.2	1563.8	1579.3	1599.9	1589.6	1587.8	1593.0	1606.8	1606.8	1610.2
35°	1166.8	1379.9	1517.4	1531.2	1546.7	1534.6	1541.4	1543.2	1551.8	1556.9	1555.2
37.5°	1031.1	1312.9	1469.3	1479.6	1491.6	1476.2	1486.4	1491.6	1498.5	1495.1	1495.1
40°	910.8	1208.1	1412.6	1419.5	1429.7	1417.8	1428.0	1431.5	1434.9	1431.5	1429.7
42.5°	821.4	1092.9	1352.4	1361.1	1354.1	1362.8	1366.2	1373.1	1367.9	1361.1	1361.1
45°	752.7	1062.0	1287.2	1297.4	1287.2	1300.9	1306.0	1306.0	1290.6	1287.2	1285.4
47.5°	730.4	1000.2	1221.8	1221.8	1216.7	1233.9	1242.4	1230.5	1215.0	1209.8	1209.8
50°	728.7	931.4	1132.5	1125.6	1149.7	1170.2	1161.7	1149.7	1137.6	1118.7	1118.7
52.5°	661.6	847.2	1017.4	1043.1	1080.9	1092.9	1079.2	1067.1	1046.6	1037.9	1031.1
55°	613.5	759.6	912.5	964.1	1003.6	1019.1	993.3	981.2	950.3	945.2	941.8
57.5°	603.2	632.4	816.3	881.5	929.7	928.0	912.5	890.2	864.4	859.3	857.5
60°	553.4	457.1	713.2	790.5	840.3	835.2	821.4	800.8	776.7	773.3	769.9
62.5°	501.8	331.7	596.3	684.0	754.4	752.7	740.7	709.7	692.5	684.0	677.1
65°	426.2	278.4	424.5	568.8	670.2	673.7	647.9	625.6	606.6	596.3	594.6
67.5°	324.8	226.9	287.0	474.3	589.4	586.0	553.4	543.1	519.0	513.8	503.5
70°	240.6	151.3	199.4	385.0	510.4	501.8	476.0	464.0	441.7	429.6	422.7
72.5°	199.4	122.0	146.1	299.0	429.6	419.3	397.0	383.2	364.3	354.0	347.1
75°	161.5	128.9	111.7	221.6	348.8	342.0	321.3	307.6	292.1	278.4	280.1
77.5°	118.6	120.3	89.3	163.2	276.7	266.4	254.4	237.2	230.3	216.5	216.5
80°	89.3	94.6	67.0	111.7	199.4	199.4	189.0	177.0	164.9	158.1	158.1
82.5°	60.1	60.1	49.8	70.5	135.7	130.6	123.8	120.3	113.4	110.0	110.0
85°	27.5	34.3	30.9	43.0	73.9	77.3	77.3	73.9	72.2	68.8	70.5
87.5°	8.6	15.5	18.9	24.1	37.8	39.5	41.3	41.3	41.3	43.0	43.0
90°	16.0	28.8	41.6	44.8	70.3	104.4	121.5	108.0	81.0	60.7	60.7
92.5°	63.9	172.5	281.3	308.4	433.6	600.5	684.0	599.4	430.4	303.6	291.6
95°	153.4	352.2	551.2	600.9	1067.1	1688.6	1999.3	1784.1	1353.7	1030.8	994.3
97.5°	265.3	440.7	616.2	660.1	1437.3	2473.6	2991.8	2855.8	2583.7	2379.7	2310.1
100°	351.6	510.7	669.8	709.6	1572.1	2722.0	3297.0	3306.9	3326.8	3341.8	3258.8
102.5°	425.1	573.5	722.0	759.1	1633.9	2800.2	3383.4	3556.7	3903.3	4163.3	4092.2
105°	549.8	675.5	801.3	832.7	1679.7	2809.1	3373.7	3762.3	4539.3	5122.1	5083.9
107.5°	677.7	794.9	912.0	941.3	1688.2	2684.0	3182.0	3723.9	4807.8	5620.8	5630.0
110°	763.9	869.8	975.6	1002.1	1675.5	2573.2	3022.2	3628.1	4839.8	5748.6	5788.4



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	848.7	949.5	1050.4	1075.6	1676.0	2476.5	2876.7	3496.8	4737.0	5667.1	5728.2
115°	976.5	1069.5	1162.6	1185.9	1691.4	2365.5	2702.5	3299.9	4494.6	5390.7	5475.4
117.5°	1102.8	1187.2	1271.8	1292.9	1722.8	2296.0	2582.6	3121.8	4200.0	5008.7	5102.6
120°	1176.2	1255.8	1335.3	1355.2	1748.4	2272.6	2534.7	3027.3	4012.4	4751.3	4842.6
122.5°	1248.1	1328.4	1408.7	1428.8	1785.2	2260.4	2498.0	2941.5	3828.7	4494.1	4584.1
125°	1358.5	1431.6	1504.8	1523.1	1834.8	2250.3	2458.0	2834.9	3588.4	4153.6	4236.6
127.5°	1447.9	1521.8	1595.7	1614.1	1884.2	2244.4	2424.4	2748.0	3395.1	3880.4	3950.3
130°	1495.9	1575.4	1655.0	1674.9	1920.4	2247.9	2411.6	2699.6	3275.8	3707.8	3772.4
132.5°	1545.5	1625.0	1704.5	1724.4	1949.7	2250.2	2400.4	2658.3	3174.0	3560.8	3618.7
135°	1618.9	1691.3	1763.9	1782.0	1981.7	2248.2	2381.3	2597.2	3029.1	3353.0	3402.8
137.5°	1694.1	1765.8	1837.6	1855.5	2029.7	2261.9	2378.1	2560.6	2925.7	3199.6	3240.4
140°	1756.4	1822.5	1888.6	1905.0	2059.0	2264.2	2366.9	2524.5	2840.0	3076.5	3114.7
142.5°	1804.3	1865.4	1926.5	1941.8	2083.5	2272.4	2366.9	2505.4	2782.4	2990.2	3023.1
145°	1877.9	1931.2	1984.4	1997.7	2115.4	2272.4	2350.9	2464.2	2690.8	2860.7	2885.6
147.5°	1951.3	2003.2	2055.0	2068.0	2162.3	2288.0	2350.9	2440.1	2618.3	2752.1	2772.7
150°	1999.3	2046.2	2093.1	2104.8	2186.8	2296.2	2350.9	2426.2	2576.8	2689.7	2706.4
152.5°	2048.9	2084.4	2119.9	2128.7	2202.8	2301.5	2350.9	2415.2	2543.8	2640.2	2652.8
155°	2122.4	2148.7	2175.0	2181.5	2238.0	2313.2	2350.9	2402.1	2504.4	2581.1	2589.5
157.5°	2176.7	2202.3	2227.8	2234.2	2273.1	2324.9	2350.9	2390.7	2470.2	2529.9	2535.8
160°	2213.5	2233.4	2253.3	2258.2	2289.1	2330.3	2350.9	2385.0	2453.1	2504.3	2507.7
162.5°	2250.2	2265.1	2280.0	2283.8	2306.1	2336.0	2350.9	2379.7	2437.3	2480.4	2483.5
165°	2290.2	2303.7	2317.2	2320.6	2330.7	2344.2	2350.9	2371.5	2412.7	2443.6	2447.0
167.5°	2327.0	2333.4	2339.7	2341.3	2349.9	2361.2	2366.9	2380.4	2407.4	2427.6	2429.1
170°	2350.9	2357.3	2363.7	2365.3	2365.8	2366.5	2366.9	2380.4	2407.4	2427.6	2427.6
172.5°	2363.7	2365.1	2366.5	2366.9	2366.9	2366.9	2366.9	2377.6	2398.9	2414.9	2413.6
175°	2381.3	2381.3	2381.3	2381.3	2376.5	2370.1	2366.9	2373.6	2387.1	2397.3	2397.3
177.5°	2381.3	2381.3	2381.3	2381.3	2377.6	2372.6	2370.1	2375.4	2386.1	2394.0	2392.6
180°	2381.3	2381.3	2381.3	2381.3	2381.3	2381.3	2381.3	2381.3	2381.3	2381.3	2381.3



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1816.4	1816.4	1816.4	1816.4	1816.4	1816.4	1816.4	1816.4	1816.4	1816.4	1816.4
2.5°	1862.9	1857.6	1862.9	1859.4	1861.1	1855.9	1840.5	1835.4	1840.5	1845.6	1845.6
5°	1885.1	1881.7	1885.1	1885.1	1883.4	1880.0	1862.9	1859.4	1862.9	1864.6	1861.1
7.5°	1892.1	1886.9	1892.1	1888.6	1888.6	1885.1	1868.0	1864.6	1866.3	1871.4	1866.3
10°	1892.1	1886.9	1892.1	1890.4	1888.6	1885.1	1868.0	1861.1	1861.1	1866.3	1861.1
12.5°	1883.4	1880.0	1883.4	1880.0	1880.0	1876.6	1859.4	1852.5	1854.2	1855.9	1849.1
15°	1869.7	1864.6	1869.7	1866.3	1868.0	1862.9	1843.9	1837.1	1837.1	1840.5	1828.4
17.5°	1849.1	1842.2	1849.1	1847.4	1845.6	1842.2	1825.0	1818.2	1816.4	1818.2	1809.6
20°	1825.0	1819.9	1825.0	1823.3	1823.3	1816.4	1799.2	1790.7	1790.7	1790.7	1782.1
22.5°	1787.2	1782.1	1787.2	1790.7	1790.7	1788.9	1773.4	1761.5	1758.0	1758.0	1747.7
25°	1744.2	1739.1	1744.2	1744.2	1742.5	1744.2	1739.1	1732.3	1727.0	1721.9	1711.6
27.5°	1703.0	1699.5	1703.0	1699.5	1703.0	1697.8	1696.1	1694.4	1687.5	1682.4	1668.6
30°	1661.8	1658.3	1661.8	1658.3	1654.9	1651.5	1642.8	1639.4	1646.3	1642.8	1620.5
32.5°	1610.2	1606.8	1610.2	1610.2	1606.8	1606.8	1593.0	1587.8	1589.6	1599.9	1579.3
35°	1556.9	1551.8	1556.9	1555.2	1556.9	1551.8	1543.2	1541.4	1534.6	1546.7	1531.2
37.5°	1495.1	1489.9	1495.1	1495.1	1495.1	1498.5	1491.6	1486.4	1476.2	1491.6	1479.6
40°	1431.5	1424.6	1431.5	1429.7	1431.5	1434.9	1431.5	1428.0	1417.8	1429.7	1419.5
42.5°	1359.3	1357.6	1359.3	1361.1	1361.1	1367.9	1373.1	1366.2	1362.8	1354.1	1361.1
45°	1282.0	1278.5	1282.0	1285.4	1287.2	1290.6	1306.0	1306.0	1300.9	1287.2	1297.4
47.5°	1199.5	1190.9	1199.5	1209.8	1209.8	1215.0	1230.5	1242.4	1233.9	1216.7	1221.8
50°	1111.8	1113.5	1111.8	1118.7	1118.7	1137.6	1149.7	1161.7	1170.2	1149.7	1125.6
52.5°	1025.9	1024.2	1025.9	1031.1	1037.9	1046.6	1067.1	1079.2	1092.9	1080.9	1043.1
55°	940.0	943.5	940.0	941.8	945.2	950.3	981.2	993.3	1019.1	1003.6	964.1
57.5°	854.0	848.9	854.0	857.5	859.3	864.4	890.2	912.5	928.0	929.7	881.5
60°	754.4	747.5	754.4	769.9	773.3	776.7	800.8	821.4	835.2	840.3	790.5
62.5°	666.7	654.8	666.7	677.1	684.0	692.5	709.7	740.7	752.7	754.4	684.0
65°	574.0	568.8	574.0	594.6	596.3	606.6	625.6	647.9	673.7	670.2	568.8
67.5°	489.8	489.8	489.8	503.5	513.8	519.0	543.1	553.4	586.0	589.4	474.3
70°	412.5	410.8	412.5	422.7	429.6	441.7	464.0	476.0	501.8	510.4	385.0
72.5°	338.6	336.8	338.6	347.1	354.0	364.3	383.2	397.0	419.3	429.6	299.0
75°	273.2	269.8	273.2	280.1	278.4	292.1	307.6	321.3	342.0	348.8	221.6
77.5°	209.7	209.7	209.7	216.5	216.5	230.3	237.2	254.4	266.4	276.7	163.2
80°	156.4	154.7	156.4	158.1	158.1	164.9	177.0	189.0	199.4	199.4	111.7
82.5°	110.0	106.5	110.0	110.0	110.0	113.4	120.3	123.8	130.6	135.7	70.5
85°	68.8	68.8	68.8	70.5	68.8	72.2	73.9	77.3	77.3	73.9	43.0
87.5°	44.7	43.0	44.7	43.0	43.0	41.3	41.3	41.3	39.5	37.8	24.1
90°	60.7	60.7	60.7	60.7	60.7	81.0	108.0	121.5	104.4	70.3	44.8
92.5°	243.3	195.0	243.3	291.6	303.6	430.4	599.4	684.0	600.5	433.6	308.4
95°	847.9	701.6	847.9	994.3	1030.8	1353.7	1784.1	1999.3	1688.6	1067.1	600.9
97.5°	2031.6	1753.2	2031.6	2310.1	2379.7	2583.7	2855.8	2991.8	2473.6	1437.3	660.1
100°	2927.2	2595.4	2927.2	3258.8	3341.8	3326.8	3306.9	3297.0	2722.0	1572.1	709.6
102.5°	3808.1	3524.0	3808.1	4092.2	4163.3	3903.3	3556.7	3383.4	2800.2	1633.9	759.1
105°	4931.3	4778.6	4931.3	5083.9	5122.1	4539.3	3762.3	3373.7	2809.1	1679.7	832.7
107.5°	5667.0	5703.9	5667.0	5630.0	5620.8	4807.8	3723.9	3182.0	2684.0	1688.2	941.3
110°	5947.5	6106.7	5947.5	5788.4	5748.6	4839.8	3628.1	3022.2	2573.2	1675.5	1002.1



TEST NUMBER: P935825

CATALOG NUMBER: SQ4-FA-150U-050D-92765-1D-UNV-STD-W-12-2700K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	5972.6	6216.9	5972.6	5728.2	5667.1	4737.0	3496.8	2876.7	2476.5	1676.0	1075.6
115°	5814.1	6153.0	5814.1	5475.4	5390.7	4494.6	3299.9	2702.5	2365.5	1691.4	1185.9
117.5°	5478.4	5854.1	5478.4	5102.6	5008.7	4200.0	3121.8	2582.6	2296.0	1722.8	1292.9
120°	5207.7	5572.8	5207.7	4842.6	4751.3	4012.4	3027.3	2534.7	2272.6	1748.4	1355.2
122.5°	4944.3	5304.4	4944.3	4584.1	4494.1	3828.7	2941.5	2498.0	2260.4	1785.2	1428.8
125°	4568.3	4900.0	4568.3	4236.6	4153.6	3588.4	2834.9	2458.0	2250.3	1834.8	1523.1
127.5°	4230.2	4510.1	4230.2	3950.3	3880.4	3395.1	2748.0	2424.4	2244.4	1884.2	1614.1
130°	4031.0	4289.5	4031.0	3772.4	3707.8	3275.8	2699.6	2411.6	2247.9	1920.4	1674.9
132.5°	3850.2	4081.7	3850.2	3618.7	3560.8	3174.0	2658.3	2400.4	2250.2	1949.7	1724.4
135°	3602.5	3802.1	3602.5	3402.8	3353.0	3029.1	2597.2	2381.3	2248.2	1981.7	1782.0
137.5°	3403.8	3567.1	3403.8	3240.4	3199.6	2925.7	2560.6	2378.1	2261.9	2029.7	1855.5
140°	3267.4	3420.1	3267.4	3114.7	3076.5	2840.0	2524.5	2366.9	2264.2	2059.0	1905.0
142.5°	3154.5	3285.8	3154.5	3023.1	2990.2	2782.4	2505.4	2366.9	2272.4	2083.5	1941.8
145°	2985.1	3084.5	2985.1	2885.6	2860.7	2690.8	2464.2	2350.9	2272.4	2115.4	1997.7
147.5°	2855.1	2937.4	2855.1	2772.7	2752.1	2618.3	2440.1	2350.9	2288.0	2162.3	2068.0
150°	2773.2	2840.0	2773.2	2706.4	2689.7	2576.8	2426.2	2350.9	2296.2	2186.8	2104.8
152.5°	2703.2	2753.6	2703.2	2652.8	2640.2	2543.8	2415.2	2350.9	2301.5	2202.8	2128.7
155°	2622.8	2656.2	2622.8	2589.5	2581.1	2504.4	2402.1	2350.9	2313.2	2238.0	2181.5
157.5°	2559.2	2582.6	2559.2	2535.8	2529.9	2470.2	2390.7	2350.9	2324.9	2273.1	2234.2
160°	2521.2	2534.7	2521.2	2507.7	2504.3	2453.1	2385.0	2350.9	2330.3	2289.1	2258.2
162.5°	2496.4	2509.2	2496.4	2483.5	2480.4	2437.3	2379.7	2350.9	2336.0	2306.1	2283.8
165°	2460.5	2474.0	2460.5	2447.0	2443.6	2412.7	2371.5	2350.9	2344.2	2330.7	2320.6
167.5°	2434.7	2440.4	2434.7	2429.1	2427.6	2407.4	2380.4	2366.9	2361.2	2349.9	2341.3
170°	2427.6	2427.6	2427.6	2427.6	2427.6	2407.4	2380.4	2366.9	2366.5	2365.8	2365.3
172.5°	2408.6	2403.7	2408.6	2413.6	2414.9	2398.9	2377.6	2366.9	2366.9	2366.9	2366.9
175°	2397.3	2397.3	2397.3	2397.3	2397.3	2387.1	2373.6	2366.9	2370.1	2376.5	2381.3
177.5°	2386.9	2381.3	2386.9	2392.6	2394.0	2386.1	2375.4	2370.1	2372.6	2377.6	2381.3
180°	2381.3	2381.3	2381.3	2381.3	2381.3	2381.3	2381.3	2381.3	2381.3	2381.3	2381.3



TEST NUMBER: P935825
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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1816.4	1816.4	1816.4	1816.4	1816.4	1816.4	1816.4	1816.4	1816.4	1816.4	1816.4
2.5°	1842.2	1831.8	1831.8	1814.7	1807.8	1802.6	1794.1	1768.3	1761.5	1754.5	1764.9
5°	1857.6	1838.8	1825.0	1794.1	1768.3	1758.0	1725.3	1663.5	1622.2	1591.3	1574.2
7.5°	1861.1	1837.1	1811.3	1763.2	1701.3	1673.7	1574.2	1460.7	1429.7	1402.3	1385.1
10°	1857.6	1830.1	1794.1	1721.9	1575.9	1527.7	1428.0	1354.1	1335.3	1330.1	1335.3
12.5°	1845.6	1819.9	1770.0	1649.7	1445.3	1412.6	1354.1	1311.2	1307.8	1316.4	1362.8
15°	1825.0	1800.9	1742.5	1553.5	1373.1	1349.0	1307.8	1292.3	1311.2	1371.3	1510.5
17.5°	1804.4	1776.9	1704.8	1459.0	1318.1	1300.9	1271.6	1302.6	1409.1	1489.9	1536.3
20°	1776.9	1744.2	1661.8	1390.3	1278.5	1263.1	1249.3	1388.6	1469.3	1498.5	1524.3
22.5°	1744.2	1709.9	1603.4	1342.1	1237.3	1225.2	1233.9	1436.6	1469.3	1489.9	1512.2
25°	1701.3	1672.0	1534.6	1304.3	1204.7	1190.9	1223.5	1431.5	1450.4	1455.5	1500.2
27.5°	1661.8	1624.0	1462.4	1269.9	1165.1	1160.0	1232.2	1409.1	1422.9	1428.0	1476.2
30°	1613.6	1556.9	1381.6	1233.9	1123.9	1122.2	1233.9	1381.6	1378.2	1392.0	1440.1
32.5°	1563.8	1457.2	1290.6	1189.2	1084.3	1082.6	1221.8	1340.4	1337.0	1355.8	1392.0
35°	1517.4	1379.9	1166.8	1137.6	1034.5	1036.2	1192.6	1292.3	1294.0	1311.2	1333.6
37.5°	1469.3	1312.9	1031.1	1080.9	986.4	986.4	1153.1	1247.6	1244.2	1249.3	1280.3
40°	1412.6	1208.1	910.8	1007.0	941.8	936.6	1105.0	1199.5	1187.5	1185.8	1228.7
42.5°	1352.4	1092.9	821.4	909.0	890.2	883.3	1046.6	1141.0	1118.7	1123.9	1178.9
45°	1287.2	1062.0	752.7	768.1	836.9	831.7	982.9	1074.1	1058.6	1072.4	1129.1
47.5°	1221.8	1000.2	730.4	637.5	780.2	778.5	912.5	1008.7	1000.2	1013.9	1074.1
50°	1132.5	931.4	728.7	546.5	716.6	723.4	828.3	945.2	945.2	957.2	1020.8
52.5°	1017.4	847.2	661.6	494.9	642.7	663.3	754.4	890.2	893.6	905.6	962.3
55°	912.5	759.6	613.5	455.4	555.1	599.8	682.2	833.5	840.3	852.3	903.9
57.5°	816.3	632.4	603.2	409.0	474.3	517.3	618.6	778.5	781.9	792.2	842.1
60°	713.2	457.1	553.4	359.2	403.8	436.5	560.2	713.2	725.2	732.1	775.0
62.5°	596.3	331.7	501.8	324.8	369.5	376.3	512.1	651.3	666.7	671.9	697.7
65°	424.5	278.4	426.2	295.6	333.4	335.1	460.5	587.7	601.5	610.0	629.0
67.5°	287.0	226.9	324.8	268.1	305.9	307.6	410.8	513.8	532.7	539.6	551.6
70°	199.4	151.3	240.6	238.9	274.9	278.4	357.5	446.8	464.0	469.2	476.0
72.5°	146.1	122.0	199.4	214.8	242.3	245.7	302.4	371.2	388.4	393.5	397.0
75°	111.7	128.9	161.5	187.3	206.2	207.9	247.4	302.4	314.5	317.9	319.6
77.5°	89.3	120.3	118.6	151.3	168.4	164.9	194.2	233.7	244.0	244.0	244.0
80°	67.0	94.6	89.3	108.3	123.8	120.3	139.2	166.7	170.1	173.6	171.9
82.5°	49.8	60.1	60.1	68.8	82.5	79.1	92.8	108.3	108.3	108.3	111.7
85°	30.9	34.3	27.5	36.1	46.4	44.7	51.6	58.4	60.1	60.1	56.7
87.5°	18.9	15.5	8.6	13.8	20.6	20.6	24.1	25.8	24.1	24.1	24.1
90°	41.6	28.8	16.0	28.8	41.6	44.8	70.3	104.4	121.5	108.0	81.0
92.5°	281.3	172.5	63.9	172.5	281.3	308.4	433.6	600.5	684.0	599.4	430.4
95°	551.2	352.2	153.4	352.2	551.2	600.9	1067.1	1688.6	1999.3	1784.1	1353.7
97.5°	616.2	440.7	265.3	440.7	616.2	660.1	1437.3	2473.6	2991.8	2855.8	2583.7
100°	669.8	510.7	351.6	510.7	669.8	709.6	1572.1	2722.0	3297.0	3306.9	3326.8
102.5°	722.0	573.5	425.1	573.5	722.0	759.1	1633.9	2800.2	3383.4	3556.7	3903.3
105°	801.3	675.5	549.8	675.5	801.3	832.7	1679.7	2809.1	3373.7	3762.3	4539.3
107.5°	912.0	794.9	677.7	794.9	912.0	941.3	1688.2	2684.0	3182.0	3723.9	4807.8
110°	975.6	869.8	763.9	869.8	975.6	1002.1	1675.5	2573.2	3022.2	3628.1	4839.8



TEST NUMBER: P935825

CATALOG NUMBER: SQ4-FA-150U-050D-92765-1D-UNV-STD-W-12-2700K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	1050.4	949.5	848.7	949.5	1050.4	1075.6	1676.0	2476.5	2876.7	3496.8	4737.0
115°	1162.6	1069.5	976.5	1069.5	1162.6	1185.9	1691.4	2365.5	2702.5	3299.9	4494.6
117.5°	1271.8	1187.2	1102.8	1187.2	1271.8	1292.9	1722.8	2296.0	2582.6	3121.8	4200.0
120°	1335.3	1255.8	1176.2	1255.8	1335.3	1355.2	1748.4	2272.6	2534.7	3027.3	4012.4
122.5°	1408.7	1328.4	1248.1	1328.4	1408.7	1428.8	1785.2	2260.4	2498.0	2941.5	3828.7
125°	1504.8	1431.6	1358.5	1431.6	1504.8	1523.1	1834.8	2250.3	2458.0	2834.9	3588.4
127.5°	1595.7	1521.8	1447.9	1521.8	1595.7	1614.1	1884.2	2244.4	2424.4	2748.0	3395.1
130°	1655.0	1575.4	1495.9	1575.4	1655.0	1674.9	1920.4	2247.9	2411.6	2699.6	3275.8
132.5°	1704.5	1625.0	1545.5	1625.0	1704.5	1724.4	1949.7	2250.2	2400.4	2658.3	3174.0
135°	1763.9	1691.3	1618.9	1691.3	1763.9	1782.0	1981.7	2248.2	2381.3	2597.2	3029.1
137.5°	1837.6	1765.8	1694.1	1765.8	1837.6	1855.5	2029.7	2261.9	2378.1	2560.6	2925.7
140°	1888.6	1822.5	1756.4	1822.5	1888.6	1905.0	2059.0	2264.2	2366.9	2524.5	2840.0
142.5°	1926.5	1865.4	1804.3	1865.4	1926.5	1941.8	2083.5	2272.4	2366.9	2505.4	2782.4
145°	1984.4	1931.2	1877.9	1931.2	1984.4	1997.7	2115.4	2272.4	2350.9	2464.2	2690.8
147.5°	2055.0	2003.2	1951.3	2003.2	2055.0	2068.0	2162.3	2288.0	2350.9	2440.1	2618.3
150°	2093.1	2046.2	1999.3	2046.2	2093.1	2104.8	2186.8	2296.2	2350.9	2426.2	2576.8
152.5°	2119.9	2084.4	2048.9	2084.4	2119.9	2128.7	2202.8	2301.5	2350.9	2415.2	2543.8
155°	2175.0	2148.7	2122.4	2148.7	2175.0	2181.5	2238.0	2313.2	2350.9	2402.1	2504.4
157.5°	2227.8	2202.3	2176.7	2202.3	2227.8	2234.2	2273.1	2324.9	2350.9	2390.7	2470.2
160°	2253.3	2233.4	2213.5	2233.4	2253.3	2258.2	2289.1	2330.3	2350.9	2385.0	2453.1
162.5°	2280.0	2265.1	2250.2	2265.1	2280.0	2283.8	2306.1	2336.0	2350.9	2379.7	2437.3
165°	2317.2	2303.7	2290.2	2303.7	2317.2	2320.6	2330.7	2344.2	2350.9	2371.5	2412.7
167.5°	2339.7	2333.4	2327.0	2333.4	2339.7	2341.3	2349.9	2361.2	2366.9	2380.4	2407.4
170°	2363.7	2357.3	2350.9	2357.3	2363.7	2365.3	2365.8	2366.5	2366.9	2380.4	2407.4
172.5°	2366.5	2365.1	2363.7	2365.1	2366.5	2366.9	2366.9	2366.9	2366.9	2377.6	2398.9
175°	2381.3	2381.3	2381.3	2381.3	2381.3	2381.3	2376.5	2370.1	2366.9	2373.6	2387.1
177.5°	2381.3	2381.3	2381.3	2381.3	2381.3	2381.3	2377.6	2372.6	2370.1	2375.4	2386.1
180°	2381.3	2381.3	2381.3	2381.3	2381.3	2381.3	2381.3	2381.3	2381.3	2381.3	2381.3



TEST NUMBER: P935825
 CATALOG NUMBER: SQ4-FA-150U-050D-92765-1D-UNV-STD-W-12-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1816.4	1816.4	1816.4	1816.4	1816.4	1816.4	1816.4	1816.4	1816.4	1816.4	1816.4
2.5°	1752.8	1747.7	1754.5	1735.7	1754.5	1747.7	1752.8	1764.9	1754.5	1761.5	1768.3
5°	1538.0	1529.4	1502.0	1479.6	1502.0	1529.4	1538.0	1574.2	1591.3	1622.2	1663.5
7.5°	1374.8	1367.9	1361.1	1347.3	1361.1	1367.9	1374.8	1385.1	1402.3	1429.7	1460.7
10°	1338.7	1340.4	1350.7	1349.0	1350.7	1340.4	1338.7	1335.3	1330.1	1335.3	1354.1
12.5°	1431.5	1447.0	1503.7	1500.2	1503.7	1447.0	1431.5	1362.8	1316.4	1307.8	1311.2
15°	1538.0	1543.2	1555.2	1556.9	1555.2	1543.2	1538.0	1510.5	1371.3	1311.2	1292.3
17.5°	1548.4	1550.1	1558.6	1558.6	1558.6	1550.1	1548.4	1536.3	1489.9	1409.1	1302.6
20°	1539.7	1543.2	1560.4	1563.8	1560.4	1543.2	1539.7	1524.3	1498.5	1469.3	1388.6
22.5°	1536.3	1543.2	1556.9	1555.2	1556.9	1543.2	1536.3	1512.2	1489.9	1469.3	1436.6
25°	1519.2	1519.2	1520.9	1522.6	1520.9	1519.2	1519.2	1500.2	1455.5	1450.4	1431.5
27.5°	1483.0	1486.4	1496.8	1495.1	1496.8	1486.4	1483.0	1476.2	1428.0	1422.9	1409.1
30°	1450.4	1447.0	1438.4	1431.5	1438.4	1447.0	1450.4	1440.1	1392.0	1378.2	1381.6
32.5°	1395.4	1386.8	1378.2	1373.1	1378.2	1386.8	1395.4	1392.0	1355.8	1337.0	1340.4
35°	1330.1	1331.8	1330.1	1324.9	1330.1	1331.8	1330.1	1333.6	1311.2	1294.0	1292.3
37.5°	1283.7	1287.2	1285.4	1278.5	1285.4	1287.2	1283.7	1280.3	1249.3	1244.2	1247.6
40°	1235.6	1237.3	1235.6	1230.5	1235.6	1237.3	1235.6	1228.7	1185.8	1187.5	1199.5
42.5°	1189.2	1187.5	1182.3	1178.9	1182.3	1187.5	1189.2	1178.9	1123.9	1118.7	1141.0
45°	1135.9	1137.6	1127.3	1122.2	1127.3	1137.6	1135.9	1129.1	1072.4	1058.6	1074.1
47.5°	1082.6	1082.6	1074.1	1068.9	1074.1	1082.6	1082.6	1074.1	1013.9	1000.2	1008.7
50°	1025.9	1024.2	1012.1	1010.4	1012.1	1024.2	1025.9	1020.8	957.2	945.2	945.2
52.5°	960.6	960.6	962.3	965.8	962.3	960.6	960.6	962.3	905.6	893.6	890.2
55°	903.9	905.6	917.7	921.1	917.7	905.6	903.9	903.9	852.3	840.3	833.5
57.5°	845.5	845.5	854.0	854.0	854.0	845.5	845.5	842.1	792.2	781.9	778.5
60°	778.5	781.9	788.8	787.1	788.8	781.9	778.5	775.0	732.1	725.2	713.2
62.5°	708.0	711.5	713.2	709.7	713.2	711.5	708.0	697.7	671.9	666.7	651.3
65°	634.1	637.5	639.2	635.8	639.2	637.5	634.1	629.0	610.0	601.5	587.7
67.5°	558.5	556.8	555.1	561.9	555.1	556.8	558.5	551.6	539.6	532.7	513.8
70°	481.1	481.1	479.4	482.9	479.4	481.1	481.1	476.0	469.2	464.0	446.8
72.5°	398.7	397.0	403.8	398.7	403.8	397.0	398.7	397.0	393.5	388.4	371.2
75°	317.9	321.3	317.9	323.0	317.9	321.3	317.9	319.6	317.9	314.5	302.4
77.5°	242.3	245.7	242.3	242.3	242.3	245.7	242.3	244.0	244.0	244.0	233.7
80°	171.9	170.1	170.1	168.4	170.1	170.1	171.9	171.9	173.6	170.1	166.7
82.5°	110.0	108.3	108.3	111.7	108.3	108.3	110.0	111.7	108.3	108.3	108.3
85°	60.1	61.8	58.4	58.4	58.4	61.8	60.1	56.7	60.1	60.1	58.4
87.5°	22.4	20.6	20.6	20.6	20.6	20.6	22.4	24.1	24.1	24.1	25.8
90°	60.7	60.7	60.7	60.7	60.7	60.7	60.7	81.0	108.0	121.5	104.4
92.5°	303.6	291.6	243.3	195.0	243.3	291.6	303.6	430.4	599.4	684.0	600.5
95°	1030.8	994.3	847.9	701.6	847.9	994.3	1030.8	1353.7	1784.1	1999.3	1688.6
97.5°	2379.7	2310.1	2031.6	1753.2	2031.6	2310.1	2379.7	2583.7	2855.8	2991.8	2473.6
100°	3341.8	3258.8	2927.2	2595.4	2927.2	3258.8	3341.8	3326.8	3306.9	3297.0	2722.0
102.5°	4163.3	4092.2	3808.1	3524.0	3808.1	4092.2	4163.3	3903.3	3556.7	3383.4	2800.2
105°	5122.1	5083.9	4931.3	4778.6	4931.3	5083.9	5122.1	4539.3	3762.3	3373.7	2809.1
107.5°	5620.8	5630.0	5667.0	5703.9	5667.0	5630.0	5620.8	4807.8	3723.9	3182.0	2684.0
110°	5748.6	5788.4	5947.5	6106.7	5947.5	5788.4	5748.6	4839.8	3628.1	3022.2	2573.2



TEST NUMBER: P935825

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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	5667.1	5728.2	5972.6	6216.9	5972.6	5728.2	5667.1	4737.0	3496.8	2876.7	2476.5
115°	5390.7	5475.4	5814.1	6153.0	5814.1	5475.4	5390.7	4494.6	3299.9	2702.5	2365.5
117.5°	5008.7	5102.6	5478.4	5854.1	5478.4	5102.6	5008.7	4200.0	3121.8	2582.6	2296.0
120°	4751.3	4842.6	5207.7	5572.8	5207.7	4842.6	4751.3	4012.4	3027.3	2534.7	2272.6
122.5°	4494.1	4584.1	4944.3	5304.4	4944.3	4584.1	4494.1	3828.7	2941.5	2498.0	2260.4
125°	4153.6	4236.6	4568.3	4900.0	4568.3	4236.6	4153.6	3588.4	2834.9	2458.0	2250.3
127.5°	3880.4	3950.3	4230.2	4510.1	4230.2	3950.3	3880.4	3395.1	2748.0	2424.4	2244.4
130°	3707.8	3772.4	4031.0	4289.5	4031.0	3772.4	3707.8	3275.8	2699.6	2411.6	2247.9
132.5°	3560.8	3618.7	3850.2	4081.7	3850.2	3618.7	3560.8	3174.0	2658.3	2400.4	2250.2
135°	3353.0	3402.8	3602.5	3802.1	3602.5	3402.8	3353.0	3029.1	2597.2	2381.3	2248.2
137.5°	3199.6	3240.4	3403.8	3567.1	3403.8	3240.4	3199.6	2925.7	2560.6	2378.1	2261.9
140°	3076.5	3114.7	3267.4	3420.1	3267.4	3114.7	3076.5	2840.0	2524.5	2366.9	2264.2
142.5°	2990.2	3023.1	3154.5	3285.8	3154.5	3023.1	2990.2	2782.4	2505.4	2366.9	2272.4
145°	2860.7	2885.6	2985.1	3084.5	2985.1	2885.6	2860.7	2690.8	2464.2	2350.9	2272.4
147.5°	2752.1	2772.7	2855.1	2937.4	2855.1	2772.7	2752.1	2618.3	2440.1	2350.9	2288.0
150°	2689.7	2706.4	2773.2	2840.0	2773.2	2706.4	2689.7	2576.8	2426.2	2350.9	2296.2
152.5°	2640.2	2652.8	2703.2	2753.6	2703.2	2652.8	2640.2	2543.8	2415.2	2350.9	2301.5
155°	2581.1	2589.5	2622.8	2656.2	2622.8	2589.5	2581.1	2504.4	2402.1	2350.9	2313.2
157.5°	2529.9	2535.8	2559.2	2582.6	2559.2	2535.8	2529.9	2470.2	2390.7	2350.9	2324.9
160°	2504.3	2507.7	2521.2	2534.7	2521.2	2507.7	2504.3	2453.1	2385.0	2350.9	2330.3
162.5°	2480.4	2483.5	2496.4	2509.2	2496.4	2483.5	2480.4	2437.3	2379.7	2350.9	2336.0
165°	2443.6	2447.0	2460.5	2474.0	2460.5	2447.0	2443.6	2412.7	2371.5	2350.9	2344.2
167.5°	2427.6	2429.1	2434.7	2440.4	2434.7	2429.1	2427.6	2407.4	2380.4	2366.9	2361.2
170°	2427.6	2427.6	2427.6	2427.6	2427.6	2427.6	2427.6	2407.4	2380.4	2366.9	2366.5
172.5°	2414.9	2413.6	2408.6	2403.7	2408.6	2413.6	2414.9	2398.9	2377.6	2366.9	2366.9
175°	2397.3	2397.3	2397.3	2397.3	2397.3	2397.3	2397.3	2387.1	2373.6	2366.9	2370.1
177.5°	2394.0	2392.6	2386.9	2381.3	2386.9	2392.6	2394.0	2386.1	2375.4	2370.1	2372.6
180°	2381.3	2381.3	2381.3	2381.3	2381.3	2381.3	2381.3	2381.3	2381.3	2381.3	2381.3



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1816.4	1816.4	1816.4	1816.4	1816.4
2.5°	1794.1	1802.6	1807.8	1814.7	1831.8
5°	1725.3	1758.0	1768.3	1794.1	1825.0
7.5°	1574.2	1673.7	1701.3	1763.2	1811.3
10°	1428.0	1527.7	1575.9	1721.9	1794.1
12.5°	1354.1	1412.6	1445.3	1649.7	1770.0
15°	1307.8	1349.0	1373.1	1553.5	1742.5
17.5°	1271.6	1300.9	1318.1	1459.0	1704.8
20°	1249.3	1263.1	1278.5	1390.3	1661.8
22.5°	1233.9	1225.2	1237.3	1342.1	1603.4
25°	1223.5	1190.9	1204.7	1304.3	1534.6
27.5°	1232.2	1160.0	1165.1	1269.9	1462.4
30°	1233.9	1122.2	1123.9	1233.9	1381.6
32.5°	1221.8	1082.6	1084.3	1189.2	1290.6
35°	1192.6	1036.2	1034.5	1137.6	1166.8
37.5°	1153.1	986.4	986.4	1080.9	1031.1
40°	1105.0	936.6	941.8	1007.0	910.8
42.5°	1046.6	883.3	890.2	909.0	821.4
45°	982.9	831.7	836.9	768.1	752.7
47.5°	912.5	778.5	780.2	637.5	730.4
50°	828.3	723.4	716.6	546.5	728.7
52.5°	754.4	663.3	642.7	494.9	661.6
55°	682.2	599.8	555.1	455.4	613.5
57.5°	618.6	517.3	474.3	409.0	603.2
60°	560.2	436.5	403.8	359.2	553.4
62.5°	512.1	376.3	369.5	324.8	501.8
65°	460.5	335.1	333.4	295.6	426.2
67.5°	410.8	307.6	305.9	268.1	324.8
70°	357.5	278.4	274.9	238.9	240.6
72.5°	302.4	245.7	242.3	214.8	199.4
75°	247.4	207.9	206.2	187.3	161.5
77.5°	194.2	164.9	168.4	151.3	118.6
80°	139.2	120.3	123.8	108.3	89.3
82.5°	92.8	79.1	82.5	68.8	60.1
85°	51.6	44.7	46.4	36.1	27.5
87.5°	24.1	20.6	20.6	13.8	8.6
90°	70.3	44.8	41.6	28.8	16.0
92.5°	433.6	308.4	281.3	172.5	63.9
95°	1067.1	600.9	551.2	352.2	153.4
97.5°	1437.3	660.1	616.2	440.7	265.3
100°	1572.1	709.6	669.8	510.7	351.6
102.5°	1633.9	759.1	722.0	573.5	425.1
105°	1679.7	832.7	801.3	675.5	549.8
107.5°	1688.2	941.3	912.0	794.9	677.7
110°	1675.5	1002.1	975.6	869.8	763.9



TEST NUMBER: P935825

CATALOG NUMBER: SQ4-FA-150U-050D-92765-1D-UNV-STD-W-12-2700K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1676.0	1075.6	1050.4	949.5	848.7
115°	1691.4	1185.9	1162.6	1069.5	976.5
117.5°	1722.8	1292.9	1271.8	1187.2	1102.8
120°	1748.4	1355.2	1335.3	1255.8	1176.2
122.5°	1785.2	1428.8	1408.7	1328.4	1248.1
125°	1834.8	1523.1	1504.8	1431.6	1358.5
127.5°	1884.2	1614.1	1595.7	1521.8	1447.9
130°	1920.4	1674.9	1655.0	1575.4	1495.9
132.5°	1949.7	1724.4	1704.5	1625.0	1545.5
135°	1981.7	1782.0	1763.9	1691.3	1618.9
137.5°	2029.7	1855.5	1837.6	1765.8	1694.1
140°	2059.0	1905.0	1888.6	1822.5	1756.4
142.5°	2083.5	1941.8	1926.5	1865.4	1804.3
145°	2115.4	1997.7	1984.4	1931.2	1877.9
147.5°	2162.3	2068.0	2055.0	2003.2	1951.3
150°	2186.8	2104.8	2093.1	2046.2	1999.3
152.5°	2202.8	2128.7	2119.9	2084.4	2048.9
155°	2238.0	2181.5	2175.0	2148.7	2122.4
157.5°	2273.1	2234.2	2227.8	2202.3	2176.7
160°	2289.1	2258.2	2253.3	2233.4	2213.5
162.5°	2306.1	2283.8	2280.0	2265.1	2250.2
165°	2330.7	2320.6	2317.2	2303.7	2290.2
167.5°	2349.9	2341.3	2339.7	2333.4	2327.0
170°	2365.8	2365.3	2363.7	2357.3	2350.9
172.5°	2366.9	2366.9	2366.5	2365.1	2363.7
175°	2376.5	2381.3	2381.3	2381.3	2381.3
177.5°	2377.6	2381.3	2381.3	2381.3	2381.3
180°	2381.3	2381.3	2381.3	2381.3	2381.3



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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	7.60	8.26	8.76	9.41	11.01	10.45	11.11	11.61	12.26	13.86
	3H	8.06	8.66	9.22	9.81	11.43	11.79	12.38	12.95	13.53	15.15
	4H	8.24	8.81	9.41	9.96	11.58	12.23	12.79	13.40	13.94	15.57
	6H	8.35	8.87	9.53	10.02	11.66	12.51	13.03	13.69	14.18	15.82
	8H	8.35	8.84	9.53	10.01	11.64	12.58	13.07	13.76	14.24	15.87
	12H	8.31	8.78	9.50	9.94	11.59	12.61	13.08	13.80	14.24	15.90
4H	2H	8.61	9.18	9.79	10.33	11.95	10.83	11.40	12.01	12.55	14.18
	3H	9.62	10.09	10.81	11.27	12.91	12.33	12.80	13.51	13.98	15.61
	4H	9.89	10.32	11.07	11.49	13.14	12.85	13.29	14.04	14.45	16.11
	6H	10.00	10.37	11.19	11.56	13.21	13.21	13.58	14.40	14.77	16.41
	8H	10.00	10.35	11.19	11.53	13.19	13.32	13.66	14.51	14.84	16.50
	12H	9.96	10.27	11.17	11.46	13.13	13.37	13.68	14.57	14.87	16.54
8H	4H	10.33	10.68	11.52	11.85	13.52	12.96	13.31	14.15	14.48	16.15
	6H	10.58	10.87	11.79	12.09	13.75	13.39	13.68	14.60	14.90	16.56
	8H	10.62	10.87	11.84	12.07	13.75	13.55	13.79	14.76	14.99	16.67
	12H	10.60	10.82	11.81	12.01	13.72	13.64	13.86	14.86	15.05	16.76
12H	4H	10.33	10.64	11.53	11.83	13.50	12.91	13.23	14.12	14.42	16.08
	6H	10.64	10.89	11.86	12.09	13.77	13.39	13.64	14.60	14.83	16.51
	8H	10.70	10.92	11.92	12.11	13.82	13.54	13.76	14.76	14.96	16.67