

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: P935965

Luminaire Tested: SQ4-FA-150U-075D-93050-1D-UNV-STD-W-8-3000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935965
REPORT IS A COMBINATION OF REPORTS P933776 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-150U-075D-93050-1D-UNV-STD-W-8-3000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

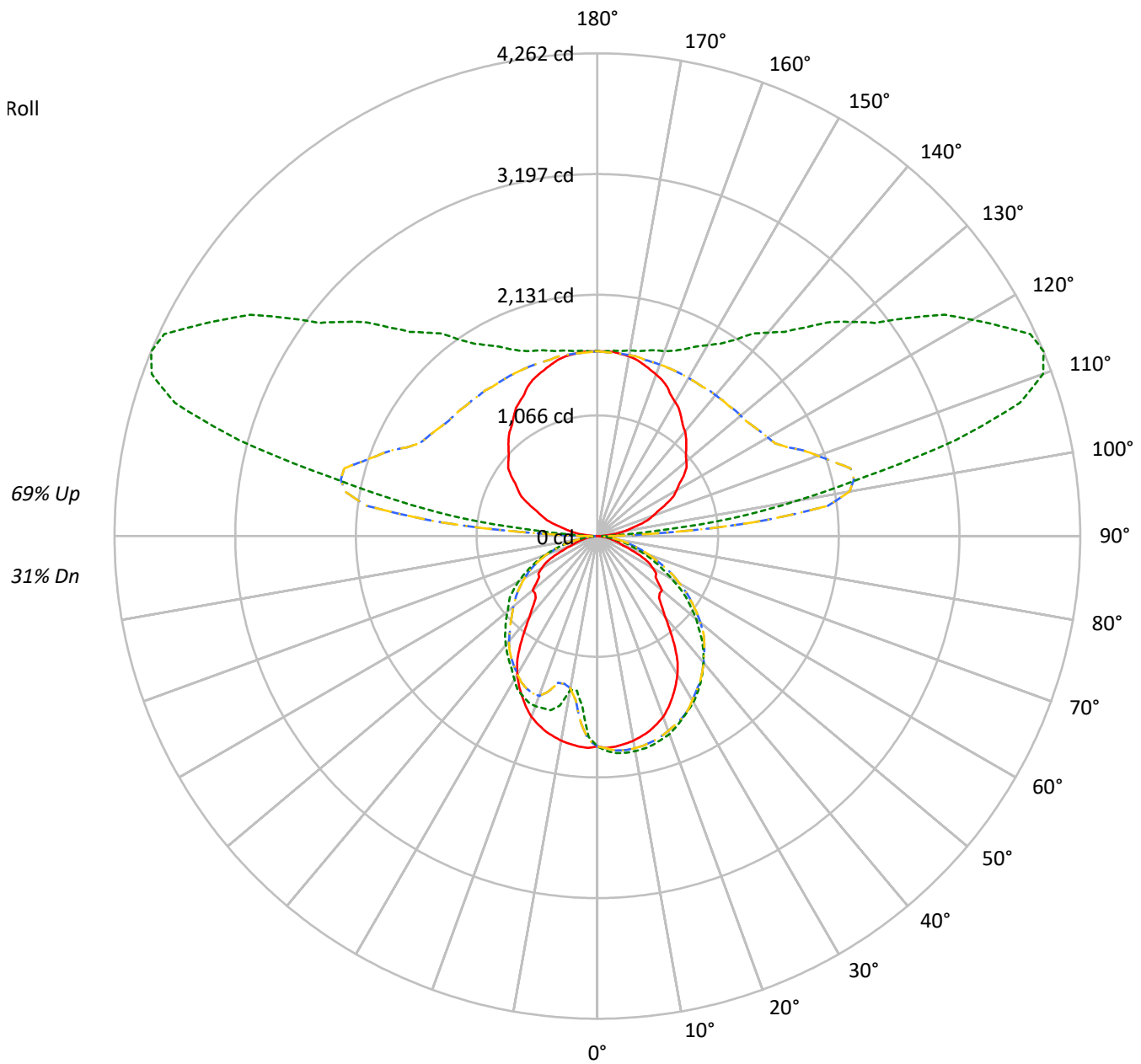
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15402.8 lumens
Efficiency: N/A
Efficacy: 121.1 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 8' x H: 0.1')
CIE Type: Semi-Indirect

Input Watts (W): 127.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot



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



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	103	103	103	103	92	92	92	92	73	73	73	55	55	55	39	39	39	39	39	39	31
1	94	89	86	82	84	81	77	75	64	62	60	49	47	46	34	34	33	34	34	33	26
2	85	78	72	67	76	70	65	61	56	52	49	43	40	38	30	29	28	30	29	28	22
3	78	69	61	56	70	62	56	51	49	45	42	38	35	32	27	25	24	27	25	24	19
4	71	61	53	47	64	55	48	43	44	39	35	33	30	28	24	22	20	24	22	20	16
5	65	54	46	40	58	49	42	37	39	34	30	30	27	24	22	19	18	22	19	18	14
6	60	48	40	35	54	44	37	32	35	30	26	27	23	21	19	17	15	19	17	15	12
7	55	43	36	30	49	39	33	28	32	27	23	24	21	18	18	15	14	18	15	14	11
8	51	39	32	27	46	36	29	24	29	24	20	22	19	16	16	14	12	16	14	12	10
9	47	36	28	23	43	32	26	22	26	21	18	20	17	14	15	13	11	15	13	11	9
10	44	33	26	21	40	30	23	19	24	19	16	19	15	13	14	12	10	14	12	10	8

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	8614	8614	8614	8614
5°	8678	8696	8678	6837
10°	8620	8566	8620	6123
15°	8527	8380	8527	6997
20°	8348	8160	8348	7012
25°	7984	7839	7984	6863
30°	7511	7573	7511	6537
35°	6696	7236	6696	6179
40°	5580	6840	5580	5907
45°	4986	6376	4986	5596
50°	5297	5823	5297	5284
55°	4984	5227	4984	5103
60°	5137	4439	5137	4674
65°	4657	3669	4657	4102
70°	3225	2924	3225	3438
75°	2828	2162	2828	2588
80°	2278	1429	2278	1556
85°	1309	757	1309	643

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 7641 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	167.6	1.1
10°-20°	475.8	3.1
20°-30°	735.6	4.8
30°-40°	878.1	5.7
40°-50°	883.3	5.7
50°-60°	768.6	5.0
60°-70°	544.9	3.5
70°-80°	288.3	1.9
80°-90°	78.0	0.5
90°-100°	795.8	5.2
100°-110°	2092.1	13.6
110°-120°	2169.2	14.1
120°-130°	1740.0	11.3
130°-140°	1365.3	8.9
140°-150°	1047.9	6.8
150°-160°	754.7	4.9
160°-170°	461.7	3.0
170°-180°	156.0	1.0
0°-30°	1379.0	9.0
0°-40°	2257.1	14.7
0°-60°	3908.9	25.4
0°-90°	4820.2	31.3
90°-120°	5057.0	32.8
90°-150°	9210.2	59.8
90°-180°	10583.0	68.7
0°-180°	15402.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1857	1857	1857	1857	1857	
5°	1865	1923	1865	1512	1865	177
15°	1781	1906	1781	1591	1781	501
25°	1569	1778	1569	1556	1569	720
35°	1193	1586	1193	1354	1193	738
45°	769	1307	769	1147	769	616
55°	627	964	627	942	627	576
65°	436	581	436	650	436	416
75°	165	276	165	330	165	174
85°	28	70	28	60	28	38
90°	11	42	11	42	11	10
95°	105	481	105	481	105	117
105°	377	3276	377	3276	377	400
115°	669	4218	669	4218	669	661
125°	931	3359	931	3359	931	827
135°	1110	2606	1110	2606	1110	859
145°	1287	2114	1287	2114	1287	806
155°	1455	1821	1455	1821	1455	669
165°	1570	1696	1570	1696	1570	443
175°	1632	1643	1632	1643	1632	155
180°	1632	1632	1632	1632	1632	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1856.6	1856.6	1856.6	1856.6	1856.6	1856.6	1856.6	1856.6	1856.6	1856.6	1856.6
2.5°	1872.4	1872.4	1883.0	1886.5	1886.5	1881.2	1876.0	1881.2	1897.0	1902.3	1900.6
5°	1865.4	1879.5	1898.8	1902.3	1905.8	1904.1	1900.6	1904.1	1921.6	1925.1	1926.9
7.5°	1851.4	1877.7	1902.3	1907.6	1912.9	1907.6	1905.8	1909.3	1926.9	1930.4	1930.4
10°	1833.8	1870.7	1898.8	1902.3	1907.6	1902.3	1902.3	1909.3	1926.9	1930.4	1932.2
12.5°	1809.2	1860.2	1886.5	1890.0	1897.0	1895.3	1893.5	1900.6	1918.1	1921.6	1921.6
15°	1781.1	1840.8	1865.4	1868.9	1881.2	1877.7	1877.7	1884.7	1904.1	1909.3	1907.6
17.5°	1742.5	1816.2	1844.3	1849.6	1858.4	1856.6	1858.4	1865.4	1883.0	1886.5	1888.3
20°	1698.5	1782.9	1816.2	1821.5	1830.3	1830.3	1830.3	1839.1	1856.6	1863.7	1863.7
22.5°	1638.8	1747.7	1782.9	1786.4	1796.9	1796.9	1800.4	1812.7	1828.5	1830.3	1830.3
25°	1568.6	1709.1	1738.9	1749.5	1760.0	1765.3	1770.6	1777.6	1782.9	1781.1	1782.9
27.5°	1494.8	1659.9	1698.5	1705.6	1719.6	1724.9	1731.9	1733.7	1735.4	1740.7	1737.2
30°	1412.2	1591.4	1649.4	1656.4	1679.2	1682.7	1675.7	1679.2	1688.0	1691.5	1695.0
32.5°	1319.1	1489.5	1598.4	1614.2	1635.3	1624.8	1623.0	1628.3	1642.3	1642.3	1645.8
35°	1192.6	1410.5	1551.0	1565.0	1580.9	1568.6	1575.6	1577.3	1586.1	1591.4	1589.6
37.5°	1053.9	1342.0	1501.8	1512.3	1524.6	1508.8	1519.4	1524.6	1531.7	1528.2	1528.2
40°	931.0	1234.8	1443.8	1450.9	1461.4	1449.1	1459.6	1463.2	1466.7	1463.2	1461.4
42.5°	839.7	1117.1	1382.4	1391.1	1384.1	1392.9	1396.4	1403.4	1398.2	1391.1	1391.1
45°	769.4	1085.5	1315.6	1326.1	1315.6	1329.7	1334.9	1334.9	1319.1	1315.6	1313.9
47.5°	746.6	1022.3	1248.9	1248.9	1243.6	1261.2	1269.9	1257.6	1241.8	1236.6	1236.6
50°	744.8	952.1	1157.5	1150.5	1175.1	1196.2	1187.4	1175.1	1162.8	1143.5	1143.5
52.5°	676.3	866.0	1039.9	1066.2	1104.8	1117.1	1103.1	1090.8	1069.7	1060.9	1053.9
55°	627.1	776.4	932.8	985.5	1025.9	1041.7	1015.3	1003.0	971.4	966.1	962.6
57.5°	616.6	646.4	834.4	901.1	950.3	948.6	932.8	909.9	883.6	878.3	876.5
60°	565.6	467.3	729.0	808.0	859.0	853.7	839.7	818.6	794.0	790.5	787.0
62.5°	512.9	339.0	609.5	699.1	771.1	769.4	757.1	725.5	707.9	699.1	692.1
65°	435.6	284.6	433.9	581.4	685.1	688.6	662.2	639.4	620.1	609.5	607.8
67.5°	332.0	231.9	293.4	484.8	602.5	599.0	565.6	555.1	530.5	525.2	514.7
70°	245.9	154.6	203.8	393.5	521.7	512.9	486.6	474.3	451.4	439.2	432.1
72.5°	203.8	124.7	149.3	305.6	439.2	428.6	405.8	391.7	372.4	361.9	354.8
75°	165.1	131.7	114.2	226.6	356.6	349.6	328.5	314.4	298.6	284.6	286.3
77.5°	121.2	123.0	91.3	166.9	282.8	272.3	260.0	242.4	235.4	221.3	221.3
80°	91.3	96.6	68.5	114.2	203.8	203.8	193.2	180.9	168.6	161.6	161.6
82.5°	61.5	61.5	50.9	72.0	138.8	133.5	126.5	123.0	115.9	112.4	112.4
85°	28.1	35.1	31.6	43.9	75.5	79.0	79.0	75.5	73.8	70.3	72.0
87.5°	8.8	15.8	19.3	24.6	38.6	40.4	42.2	42.2	42.2	43.9	43.9
90°	11.0	19.8	28.5	30.7	48.2	71.6	83.3	74.0	55.5	41.6	41.6
92.5°	43.8	118.3	192.9	211.5	297.3	411.7	468.9	411.0	295.1	208.2	199.9
95°	105.2	241.5	377.8	411.9	731.4	1157.5	1370.6	1223.0	928.0	706.7	681.6
97.5°	181.9	302.1	422.5	452.5	985.4	1695.8	2051.0	1957.7	1771.3	1631.4	1583.7
100°	241.0	350.1	459.2	486.5	1077.8	1866.0	2260.2	2267.1	2280.7	2290.9	2234.0
102.5°	291.4	393.2	494.9	520.4	1120.1	1919.6	2319.4	2438.3	2675.8	2854.0	2805.4
105°	376.9	463.0	549.3	570.8	1151.5	1925.7	2312.8	2579.2	3111.9	3511.4	3485.3
107.5°	464.5	544.9	625.2	645.3	1157.3	1840.0	2181.3	2552.9	3296.0	3853.3	3859.6
110°	523.7	596.3	668.8	686.9	1148.6	1764.1	2071.8	2487.2	3317.9	3940.9	3968.2



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	581.8	650.9	720.0	737.3	1148.9	1697.7	1972.0	2397.1	3247.3	3885.0	3926.9
115°	669.4	733.2	797.0	813.0	1159.5	1621.6	1852.7	2262.2	3081.2	3695.5	3753.5
117.5°	756.0	813.9	871.9	886.4	1181.1	1574.0	1770.5	2140.1	2879.2	3433.6	3498.0
120°	806.4	860.9	915.5	929.1	1198.6	1557.9	1737.6	2075.3	2750.8	3257.3	3319.8
122.5°	855.6	910.7	965.7	979.5	1223.8	1549.6	1712.4	2016.5	2624.7	3080.8	3142.6
125°	931.3	981.4	1031.6	1044.1	1257.7	1542.6	1685.0	1943.3	2459.9	2847.5	2904.3
127.5°	992.7	1043.2	1093.9	1106.6	1291.7	1538.6	1662.0	1883.8	2327.4	2660.1	2708.1
130°	1025.5	1080.0	1134.6	1148.2	1316.6	1541.0	1653.2	1850.7	2245.6	2541.8	2586.2
132.5°	1059.5	1114.0	1168.6	1182.2	1336.7	1542.6	1645.6	1822.3	2175.8	2441.0	2480.7
135°	1109.8	1159.5	1209.2	1221.6	1358.6	1541.2	1632.4	1780.5	2076.6	2298.6	2332.8
137.5°	1161.4	1210.6	1259.7	1272.0	1391.4	1550.6	1630.3	1755.5	2005.7	2193.4	2221.4
140°	1204.1	1249.4	1294.6	1305.9	1411.5	1552.2	1622.6	1730.7	1946.9	2109.1	2135.2
142.5°	1236.9	1278.8	1320.7	1331.2	1428.3	1557.8	1622.6	1717.5	1907.4	2049.9	2072.4
145°	1287.3	1323.9	1360.4	1369.5	1450.3	1557.8	1611.6	1689.2	1844.6	1961.2	1978.2
147.5°	1337.7	1373.3	1408.9	1417.8	1482.4	1568.6	1611.6	1672.7	1794.9	1886.6	1900.7
150°	1370.6	1402.7	1434.9	1442.9	1499.1	1574.1	1611.6	1663.2	1766.4	1843.9	1855.3
152.5°	1404.6	1428.9	1453.3	1459.4	1510.2	1577.8	1611.6	1655.7	1743.8	1809.9	1818.5
155°	1455.0	1473.0	1491.0	1495.5	1534.2	1585.8	1611.6	1646.6	1716.8	1769.4	1775.1
157.5°	1492.2	1509.8	1527.3	1531.7	1558.3	1593.9	1611.6	1638.9	1693.5	1734.4	1738.4
160°	1517.4	1531.1	1544.7	1548.1	1569.3	1597.5	1611.6	1635.0	1681.8	1716.8	1719.1
162.5°	1542.6	1552.8	1563.1	1565.7	1580.9	1601.4	1611.6	1631.4	1670.8	1700.4	1702.6
165°	1570.0	1579.2	1588.5	1590.8	1597.7	1606.9	1611.6	1625.7	1654.0	1675.2	1677.5
167.5°	1595.2	1599.6	1604.0	1605.1	1610.9	1618.7	1622.6	1631.8	1650.3	1664.2	1665.2
170°	1611.6	1616.0	1620.4	1621.5	1621.9	1622.3	1622.6	1631.8	1650.3	1664.2	1664.2
172.5°	1620.4	1621.3	1622.3	1622.6	1622.6	1622.6	1622.6	1629.9	1644.4	1655.4	1654.5
175°	1632.4	1632.4	1632.4	1632.4	1629.2	1624.8	1622.6	1627.2	1636.5	1643.4	1643.4
177.5°	1632.4	1632.4	1632.4	1632.4	1629.9	1626.4	1624.8	1628.5	1635.7	1641.2	1640.2
180°	1632.4	1632.4	1632.4	1632.4	1632.4	1632.4	1632.4	1632.4	1632.4	1632.4	1632.4



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1856.6	1856.6	1856.6	1856.6	1856.6	1856.6	1856.6	1856.6	1856.6	1856.6	1856.6
2.5°	1904.1	1898.8	1904.1	1900.6	1902.3	1897.0	1881.2	1876.0	1881.2	1886.5	1886.5
5°	1926.9	1923.4	1926.9	1926.9	1925.1	1921.6	1904.1	1900.6	1904.1	1905.8	1902.3
7.5°	1933.9	1928.7	1933.9	1930.4	1930.4	1926.9	1909.3	1905.8	1907.6	1912.9	1907.6
10°	1933.9	1928.7	1933.9	1932.2	1930.4	1926.9	1909.3	1902.3	1902.3	1907.6	1902.3
12.5°	1925.1	1921.6	1925.1	1921.6	1921.6	1918.1	1900.6	1893.5	1895.3	1897.0	1890.0
15°	1911.1	1905.8	1911.1	1907.6	1909.3	1904.1	1884.7	1877.7	1877.7	1881.2	1868.9
17.5°	1890.0	1883.0	1890.0	1888.3	1886.5	1883.0	1865.4	1858.4	1856.6	1858.4	1849.6
20°	1865.4	1860.2	1865.4	1863.7	1863.7	1856.6	1839.1	1830.3	1830.3	1830.3	1821.5
22.5°	1826.8	1821.5	1826.8	1830.3	1830.3	1828.5	1812.7	1800.4	1796.9	1796.9	1786.4
25°	1782.9	1777.6	1782.9	1782.9	1781.1	1782.9	1777.6	1770.6	1765.3	1760.0	1749.5
27.5°	1740.7	1737.2	1740.7	1737.2	1740.7	1735.4	1733.7	1731.9	1724.9	1719.6	1705.6
30°	1698.5	1695.0	1698.5	1695.0	1691.5	1688.0	1679.2	1675.7	1682.7	1679.2	1656.4
32.5°	1645.8	1642.3	1645.8	1645.8	1642.3	1642.3	1628.3	1623.0	1624.8	1635.3	1614.2
35°	1591.4	1586.1	1591.4	1589.6	1591.4	1586.1	1577.3	1575.6	1568.6	1580.9	1565.0
37.5°	1528.2	1522.9	1528.2	1528.2	1528.2	1531.7	1524.6	1519.4	1508.8	1524.6	1512.3
40°	1463.2	1456.1	1463.2	1461.4	1463.2	1466.7	1463.2	1459.6	1449.1	1461.4	1450.9
42.5°	1389.4	1387.6	1389.4	1391.1	1391.1	1398.2	1403.4	1396.4	1392.9	1384.1	1391.1
45°	1310.3	1306.8	1310.3	1313.9	1315.6	1319.1	1334.9	1334.9	1329.7	1315.6	1326.1
47.5°	1226.0	1217.2	1226.0	1236.6	1236.6	1241.8	1257.6	1269.9	1261.2	1243.6	1248.9
50°	1136.4	1138.2	1136.4	1143.5	1143.5	1162.8	1175.1	1187.4	1196.2	1175.1	1150.5
52.5°	1048.6	1046.9	1048.6	1053.9	1060.9	1069.7	1090.8	1103.1	1117.1	1104.8	1066.2
55°	960.9	964.4	960.9	962.6	966.1	971.4	1003.0	1015.3	1041.7	1025.9	985.5
57.5°	873.0	867.8	873.0	876.5	878.3	883.6	909.9	932.8	948.6	950.3	901.1
60°	771.1	764.1	771.1	787.0	790.5	794.0	818.6	839.7	853.7	859.0	808.0
62.5°	681.6	669.3	681.6	692.1	699.1	707.9	725.5	757.1	769.4	771.1	699.1
65°	586.7	581.4	586.7	607.8	609.5	620.1	639.4	662.2	688.6	685.1	581.4
67.5°	500.6	500.6	500.6	514.7	525.2	530.5	555.1	565.6	599.0	602.5	484.8
70°	421.6	419.8	421.6	432.1	439.2	451.4	474.3	486.6	512.9	521.7	393.5
72.5°	346.1	344.3	346.1	354.8	361.9	372.4	391.7	405.8	428.6	439.2	305.6
75°	279.3	275.8	279.3	286.3	284.6	298.6	314.4	328.5	349.6	356.6	226.6
77.5°	214.3	214.3	214.3	221.3	221.3	235.4	242.4	260.0	272.3	282.8	166.9
80°	159.9	158.1	159.9	161.6	161.6	168.6	180.9	193.2	203.8	203.8	114.2
82.5°	112.4	108.9	112.4	112.4	112.4	115.9	123.0	126.5	133.5	138.8	72.0
85°	70.3	70.3	70.3	72.0	70.3	73.8	75.5	79.0	79.0	75.5	43.9
87.5°	45.7	43.9	45.7	43.9	43.9	42.2	42.2	42.2	40.4	38.6	24.6
90°	41.6	41.6	41.6	41.6	41.6	55.5	74.0	83.3	71.6	48.2	30.7
92.5°	166.8	133.7	166.8	199.9	208.2	295.1	411.0	468.9	411.7	297.3	211.5
95°	581.3	481.0	581.3	681.6	706.7	928.0	1223.0	1370.6	1157.5	731.4	411.9
97.5°	1392.7	1201.9	1392.7	1583.7	1631.4	1771.3	1957.7	2051.0	1695.8	985.4	452.5
100°	2006.7	1779.3	2006.7	2234.0	2290.9	2280.7	2267.1	2260.2	1866.0	1077.8	486.5
102.5°	2610.6	2415.9	2610.6	2805.4	2854.0	2675.8	2438.3	2319.4	1919.6	1120.1	520.4
105°	3380.6	3275.9	3380.6	3485.3	3511.4	3111.9	2579.2	2312.8	1925.7	1151.5	570.8
107.5°	3884.9	3910.2	3884.9	3859.6	3853.3	3296.0	2552.9	2181.3	1840.0	1157.3	645.3
110°	4077.2	4186.3	4077.2	3968.2	3940.9	3317.9	2487.2	2071.8	1764.1	1148.6	686.9



TEST NUMBER: P935965

CATALOG NUMBER: SQ4-FA-150U-075D-93050-1D-UNV-STD-W-8-3000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	4094.4	4261.9	4094.4	3926.9	3885.0	3247.3	2397.1	1972.0	1697.7	1148.9	737.3
115°	3985.8	4218.0	3985.8	3753.5	3695.5	3081.2	2262.2	1852.7	1621.6	1159.5	813.0
117.5°	3755.6	4013.2	3755.6	3498.0	3433.6	2879.2	2140.1	1770.5	1574.0	1181.1	886.4
120°	3570.1	3820.3	3570.1	3319.8	3257.3	2750.8	2075.3	1737.6	1557.9	1198.6	929.1
122.5°	3389.5	3636.3	3389.5	3142.6	3080.8	2624.7	2016.5	1712.4	1549.6	1223.8	979.5
125°	3131.8	3359.2	3131.8	2904.3	2847.5	2459.9	1943.3	1685.0	1542.6	1257.7	1044.1
127.5°	2900.0	3091.8	2900.0	2708.1	2660.1	2327.4	1883.8	1662.0	1538.6	1291.7	1106.6
130°	2763.4	2940.6	2763.4	2586.2	2541.8	2245.6	1850.7	1653.2	1541.0	1316.6	1148.2
132.5°	2639.4	2798.2	2639.4	2480.7	2441.0	2175.8	1822.3	1645.6	1542.6	1336.7	1182.2
135°	2469.6	2606.4	2469.6	2332.8	2298.6	2076.6	1780.5	1632.4	1541.2	1358.6	1221.6
137.5°	2333.4	2445.4	2333.4	2221.4	2193.4	2005.7	1755.5	1630.3	1550.6	1391.4	1272.0
140°	2239.9	2344.6	2239.9	2135.2	2109.1	1946.9	1730.7	1622.6	1552.2	1411.5	1305.9
142.5°	2162.5	2252.6	2162.5	2072.4	2049.9	1907.4	1717.5	1622.6	1557.8	1428.3	1331.2
145°	2046.4	2114.5	2046.4	1978.2	1961.2	1844.6	1689.2	1611.6	1557.8	1450.3	1369.5
147.5°	1957.2	2013.7	1957.2	1900.7	1886.6	1794.9	1672.7	1611.6	1568.6	1482.4	1417.8
150°	1901.2	1946.9	1901.2	1855.3	1843.9	1766.4	1663.2	1611.6	1574.1	1499.1	1442.9
152.5°	1853.1	1887.7	1853.1	1818.5	1809.9	1743.8	1655.7	1611.6	1577.8	1510.2	1459.4
155°	1798.1	1820.9	1798.1	1775.1	1769.4	1716.8	1646.6	1611.6	1585.8	1534.2	1495.5
157.5°	1754.4	1770.5	1754.4	1738.4	1734.4	1693.5	1638.9	1611.6	1593.9	1558.3	1531.7
160°	1728.4	1737.6	1728.4	1719.1	1716.8	1681.8	1635.0	1611.6	1597.5	1569.3	1548.1
162.5°	1711.3	1720.1	1711.3	1702.6	1700.4	1670.8	1631.4	1611.6	1601.4	1580.9	1565.7
165°	1686.8	1696.0	1686.8	1677.5	1675.2	1654.0	1625.7	1611.6	1606.9	1597.7	1590.8
167.5°	1669.1	1673.0	1669.1	1665.2	1664.2	1650.3	1631.8	1622.6	1618.7	1610.9	1605.1
170°	1664.2	1664.2	1664.2	1664.2	1664.2	1650.3	1631.8	1622.6	1622.3	1621.9	1621.5
172.5°	1651.2	1647.8	1651.2	1654.5	1655.4	1644.4	1629.9	1622.6	1622.6	1622.6	1622.6
175°	1643.4	1643.4	1643.4	1643.4	1643.4	1636.5	1627.2	1622.6	1624.8	1629.2	1632.4
177.5°	1636.3	1632.4	1636.3	1640.2	1641.2	1635.7	1628.5	1624.8	1626.4	1629.9	1632.4
180°	1632.4	1632.4	1632.4	1632.4	1632.4	1632.4	1632.4	1632.4	1632.4	1632.4	1632.4



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1856.6	1856.6	1856.6	1856.6	1856.6	1856.6	1856.6	1856.6	1856.6	1856.6	1856.6
2.5°	1883.0	1872.4	1872.4	1854.9	1847.9	1842.6	1833.8	1807.5	1800.4	1793.4	1803.9
5°	1898.8	1879.5	1865.4	1833.8	1807.5	1796.9	1763.5	1700.3	1658.1	1626.5	1609.0
7.5°	1902.3	1877.7	1851.4	1802.2	1738.9	1710.8	1609.0	1493.0	1461.4	1433.3	1415.7
10°	1898.8	1870.7	1833.8	1760.0	1610.7	1561.5	1459.6	1384.1	1364.8	1359.5	1364.8
12.5°	1886.5	1860.2	1809.2	1686.3	1477.2	1443.8	1384.1	1340.2	1336.7	1345.5	1392.9
15°	1865.4	1840.8	1781.1	1587.9	1403.4	1378.8	1336.7	1320.9	1340.2	1401.7	1544.0
17.5°	1844.3	1816.2	1742.5	1491.3	1347.2	1329.7	1299.8	1331.4	1440.3	1522.9	1570.3
20°	1816.2	1782.9	1698.5	1421.0	1306.8	1291.0	1277.0	1419.2	1501.8	1531.7	1558.0
22.5°	1782.9	1747.7	1638.8	1371.8	1264.7	1252.4	1261.2	1468.4	1501.8	1522.9	1545.7
25°	1738.9	1709.1	1568.6	1333.2	1231.3	1217.2	1250.6	1463.2	1482.5	1487.8	1533.4
27.5°	1698.5	1659.9	1494.8	1298.0	1190.9	1185.6	1259.4	1440.3	1454.4	1459.6	1508.8
30°	1649.4	1591.4	1412.2	1261.2	1148.7	1147.0	1261.2	1412.2	1408.7	1422.8	1471.9
32.5°	1598.4	1489.5	1319.1	1215.5	1108.3	1106.6	1248.9	1370.1	1366.5	1385.9	1422.8
35°	1551.0	1410.5	1192.6	1162.8	1057.4	1059.1	1219.0	1320.9	1322.6	1340.2	1363.0
37.5°	1501.8	1342.0	1053.9	1104.8	1008.3	1008.3	1178.6	1275.2	1271.7	1277.0	1308.6
40°	1443.8	1234.8	931.0	1029.4	962.6	957.3	1129.4	1226.0	1213.7	1212.0	1255.9
42.5°	1382.4	1117.1	839.7	929.2	909.9	902.9	1069.7	1166.3	1143.5	1148.7	1204.9
45°	1315.6	1085.5	769.4	785.2	855.5	850.2	1004.8	1097.8	1082.0	1096.0	1154.0
47.5°	1248.9	1022.3	746.6	651.7	797.5	795.7	932.8	1031.1	1022.3	1036.4	1097.8
50°	1157.5	952.1	744.8	558.6	732.5	739.5	846.7	966.1	966.1	978.4	1043.4
52.5°	1039.9	866.0	676.3	505.9	657.0	678.0	771.1	909.9	913.4	925.7	983.7
55°	932.8	776.4	627.1	465.5	567.4	613.1	697.4	852.0	859.0	871.3	924.0
57.5°	834.4	646.4	616.6	418.1	484.8	528.7	632.4	795.7	799.3	809.8	860.7
60°	729.0	467.3	565.6	367.1	412.8	446.2	572.7	729.0	741.3	748.3	792.2
62.5°	609.5	339.0	512.9	332.0	377.7	384.7	523.5	665.8	681.6	686.8	713.2
65°	433.9	284.6	435.6	302.1	340.8	342.5	470.8	600.8	614.8	623.6	642.9
67.5°	293.4	231.9	332.0	274.0	312.7	314.4	419.8	525.2	544.5	551.6	563.9
70°	203.8	154.6	245.9	244.2	281.1	284.6	365.4	456.7	474.3	479.6	486.6
72.5°	149.3	124.7	203.8	219.6	247.7	251.2	309.2	379.4	397.0	402.3	405.8
75°	114.2	131.7	165.1	191.5	210.8	212.5	253.0	309.2	321.5	325.0	326.7
77.5°	91.3	123.0	121.2	154.6	172.1	168.6	198.5	238.9	249.4	249.4	249.4
80°	68.5	96.6	91.3	110.7	126.5	123.0	142.3	170.4	173.9	177.4	175.7
82.5°	50.9	61.5	61.5	70.3	84.3	80.8	94.9	110.7	110.7	110.7	114.2
85°	31.6	35.1	28.1	36.9	47.4	45.7	52.7	59.7	61.5	61.5	58.0
87.5°	19.3	15.8	8.8	14.1	21.1	21.1	24.6	26.3	24.6	24.6	24.6
90°	28.5	19.8	11.0	19.8	28.5	30.7	48.2	71.6	83.3	74.0	55.5
92.5°	192.9	118.3	43.8	118.3	192.9	211.5	297.3	411.7	468.9	411.0	295.1
95°	377.8	241.5	105.2	241.5	377.8	411.9	731.4	1157.5	1370.6	1223.0	928.0
97.5°	422.5	302.1	181.9	302.1	422.5	452.5	985.4	1695.8	2051.0	1957.7	1771.3
100°	459.2	350.1	241.0	350.1	459.2	486.5	1077.8	1866.0	2260.2	2267.1	2280.7
102.5°	494.9	393.2	291.4	393.2	494.9	520.4	1120.1	1919.6	2319.4	2438.3	2675.8
105°	549.3	463.0	376.9	463.0	549.3	570.8	1151.5	1925.7	2312.8	2579.2	3111.9
107.5°	625.2	544.9	464.5	544.9	625.2	645.3	1157.3	1840.0	2181.3	2552.9	3296.0
110°	668.8	596.3	523.7	596.3	668.8	686.9	1148.6	1764.1	2071.8	2487.2	3317.9



TEST NUMBER: P935965

CATALOG NUMBER: SQ4-FA-150U-075D-93050-1D-UNV-STD-W-8-3000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	720.0	650.9	581.8	650.9	720.0	737.3	1148.9	1697.7	1972.0	2397.1	3247.3
115°	797.0	733.2	669.4	733.2	797.0	813.0	1159.5	1621.6	1852.7	2262.2	3081.2
117.5°	871.9	813.9	756.0	813.9	871.9	886.4	1181.1	1574.0	1770.5	2140.1	2879.2
120°	915.5	860.9	806.4	860.9	915.5	929.1	1198.6	1557.9	1737.6	2075.3	2750.8
122.5°	965.7	910.7	855.6	910.7	965.7	979.5	1223.8	1549.6	1712.4	2016.5	2624.7
125°	1031.6	981.4	931.3	981.4	1031.6	1044.1	1257.7	1542.6	1685.0	1943.3	2459.9
127.5°	1093.9	1043.2	992.7	1043.2	1093.9	1106.6	1291.7	1538.6	1662.0	1883.8	2327.4
130°	1134.6	1080.0	1025.5	1080.0	1134.6	1148.2	1316.6	1541.0	1653.2	1850.7	2245.6
132.5°	1168.6	1114.0	1059.5	1114.0	1168.6	1182.2	1336.7	1542.6	1645.6	1822.3	2175.8
135°	1209.2	1159.5	1109.8	1159.5	1209.2	1221.6	1358.6	1541.2	1632.4	1780.5	2076.6
137.5°	1259.7	1210.6	1161.4	1210.6	1259.7	1272.0	1391.4	1550.6	1630.3	1755.5	2005.7
140°	1294.6	1249.4	1204.1	1249.4	1294.6	1305.9	1411.5	1552.2	1622.6	1730.7	1946.9
142.5°	1320.7	1278.8	1236.9	1278.8	1320.7	1331.2	1428.3	1557.8	1622.6	1717.5	1907.4
145°	1360.4	1323.9	1287.3	1323.9	1360.4	1369.5	1450.3	1557.8	1611.6	1689.2	1844.6
147.5°	1408.9	1373.3	1337.7	1373.3	1408.9	1417.8	1482.4	1568.6	1611.6	1672.7	1794.9
150°	1434.9	1402.7	1370.6	1402.7	1434.9	1442.9	1499.1	1574.1	1611.6	1663.2	1766.4
152.5°	1453.3	1428.9	1404.6	1428.9	1453.3	1459.4	1510.2	1577.8	1611.6	1655.7	1743.8
155°	1491.0	1473.0	1455.0	1473.0	1491.0	1495.5	1534.2	1585.8	1611.6	1646.6	1716.8
157.5°	1527.3	1509.8	1492.2	1509.8	1527.3	1531.7	1558.3	1593.9	1611.6	1638.9	1693.5
160°	1544.7	1531.1	1517.4	1531.1	1544.7	1548.1	1569.3	1597.5	1611.6	1635.0	1681.8
162.5°	1563.1	1552.8	1542.6	1552.8	1563.1	1565.7	1580.9	1601.4	1611.6	1631.4	1670.8
165°	1588.5	1579.2	1570.0	1579.2	1588.5	1590.8	1597.7	1606.9	1611.6	1625.7	1654.0
167.5°	1604.0	1599.6	1595.2	1599.6	1604.0	1605.1	1610.9	1618.7	1622.6	1631.8	1650.3
170°	1620.4	1616.0	1611.6	1616.0	1620.4	1621.5	1621.9	1622.3	1622.6	1631.8	1650.3
172.5°	1622.3	1621.3	1620.4	1621.3	1622.3	1622.6	1622.6	1622.6	1622.6	1629.9	1644.4
175°	1632.4	1632.4	1632.4	1632.4	1632.4	1632.4	1629.2	1624.8	1622.6	1627.2	1636.5
177.5°	1632.4	1632.4	1632.4	1632.4	1632.4	1632.4	1629.9	1626.4	1624.8	1628.5	1635.7
180°	1632.4	1632.4	1632.4	1632.4	1632.4	1632.4	1632.4	1632.4	1632.4	1632.4	1632.4



TEST NUMBER: P935965

CATALOG NUMBER: SQ4-FA-150U-075D-93050-1D-UNV-STD-W-8-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1856.6	1856.6	1856.6	1856.6	1856.6	1856.6	1856.6	1856.6	1856.6	1856.6	1856.6
2.5°	1791.6	1786.4	1793.4	1774.1	1793.4	1786.4	1791.6	1803.9	1793.4	1800.4	1807.5
5°	1572.1	1563.3	1535.2	1512.3	1535.2	1563.3	1572.1	1609.0	1626.5	1658.1	1700.3
7.5°	1405.2	1398.2	1391.1	1377.1	1391.1	1398.2	1405.2	1415.7	1433.3	1461.4	1493.0
10°	1368.3	1370.1	1380.6	1378.8	1380.6	1370.1	1368.3	1364.8	1359.5	1364.8	1384.1
12.5°	1463.2	1479.0	1536.9	1533.4	1536.9	1479.0	1463.2	1392.9	1345.5	1336.7	1340.2
15°	1572.1	1577.3	1589.6	1591.4	1589.6	1577.3	1572.1	1544.0	1401.7	1340.2	1320.9
17.5°	1582.6	1584.4	1593.2	1593.2	1593.2	1584.4	1582.6	1570.3	1522.9	1440.3	1331.4
20°	1573.8	1577.3	1594.9	1598.4	1594.9	1577.3	1573.8	1558.0	1531.7	1501.8	1419.2
22.5°	1570.3	1577.3	1591.4	1589.6	1591.4	1577.3	1570.3	1545.7	1522.9	1501.8	1468.4
25°	1552.7	1552.7	1554.5	1556.3	1554.5	1552.7	1552.7	1533.4	1487.8	1482.5	1463.2
27.5°	1515.9	1519.4	1529.9	1528.2	1529.9	1519.4	1515.9	1508.8	1459.6	1454.4	1440.3
30°	1482.5	1479.0	1470.2	1463.2	1470.2	1479.0	1482.5	1471.9	1422.8	1408.7	1412.2
32.5°	1426.3	1417.5	1408.7	1403.4	1408.7	1417.5	1426.3	1422.8	1385.9	1366.5	1370.1
35°	1359.5	1361.3	1359.5	1354.3	1359.5	1361.3	1359.5	1363.0	1340.2	1322.6	1320.9
37.5°	1312.1	1315.6	1313.9	1306.8	1313.9	1315.6	1312.1	1308.6	1277.0	1271.7	1275.2
40°	1262.9	1264.7	1262.9	1257.6	1262.9	1264.7	1262.9	1255.9	1212.0	1213.7	1226.0
42.5°	1215.5	1213.7	1208.5	1204.9	1208.5	1213.7	1215.5	1204.9	1148.7	1143.5	1166.3
45°	1161.0	1162.8	1152.2	1147.0	1152.2	1162.8	1161.0	1154.0	1096.0	1082.0	1097.8
47.5°	1106.6	1106.6	1097.8	1092.5	1097.8	1106.6	1106.6	1097.8	1036.4	1022.3	1031.1
50°	1048.6	1046.9	1034.6	1032.9	1034.6	1046.9	1048.6	1043.4	978.4	966.1	966.1
52.5°	981.9	981.9	983.7	987.2	983.7	981.9	981.9	983.7	925.7	913.4	909.9
55°	924.0	925.7	938.0	941.5	938.0	925.7	924.0	924.0	871.3	859.0	852.0
57.5°	864.2	864.2	873.0	873.0	873.0	864.2	864.2	860.7	809.8	799.3	795.7
60°	795.7	799.3	806.3	804.5	806.3	799.3	795.7	792.2	748.3	741.3	729.0
62.5°	723.7	727.2	729.0	725.5	729.0	727.2	723.7	713.2	686.8	681.6	665.8
65°	648.2	651.7	653.5	649.9	653.5	651.7	648.2	642.9	623.6	614.8	600.8
67.5°	570.9	569.1	567.4	574.4	567.4	569.1	570.9	563.9	551.6	544.5	525.2
70°	491.8	491.8	490.1	493.6	490.1	491.8	491.8	486.6	479.6	474.3	456.7
72.5°	407.5	405.8	412.8	407.5	412.8	405.8	407.5	405.8	402.3	397.0	379.4
75°	325.0	328.5	325.0	330.2	325.0	328.5	325.0	326.7	325.0	321.5	309.2
77.5°	247.7	251.2	247.7	247.7	247.7	251.2	247.7	249.4	249.4	249.4	238.9
80°	175.7	173.9	173.9	172.1	173.9	173.9	175.7	175.7	177.4	173.9	170.4
82.5°	112.4	110.7	110.7	114.2	110.7	110.7	112.4	114.2	110.7	110.7	110.7
85°	61.5	63.2	59.7	59.7	59.7	63.2	61.5	58.0	61.5	61.5	59.7
87.5°	22.8	21.1	21.1	21.1	21.1	21.1	22.8	24.6	24.6	24.6	26.3
90°	41.6	41.6	41.6	41.6	41.6	41.6	41.6	55.5	74.0	83.3	71.6
92.5°	208.2	199.9	166.8	133.7	166.8	199.9	208.2	295.1	411.0	468.9	411.7
95°	706.7	681.6	581.3	481.0	581.3	681.6	706.7	928.0	1223.0	1370.6	1157.5
97.5°	1631.4	1583.7	1392.7	1201.9	1392.7	1583.7	1631.4	1771.3	1957.7	2051.0	1695.8
100°	2290.9	2234.0	2006.7	1779.3	2006.7	2234.0	2290.9	2280.7	2267.1	2260.2	1866.0
102.5°	2854.0	2805.4	2610.6	2415.9	2610.6	2805.4	2854.0	2675.8	2438.3	2319.4	1919.6
105°	3511.4	3485.3	3380.6	3275.9	3380.6	3485.3	3511.4	3111.9	2579.2	2312.8	1925.7
107.5°	3853.3	3859.6	3884.9	3910.2	3884.9	3859.6	3853.3	3296.0	2552.9	2181.3	1840.0
110°	3940.9	3968.2	4077.2	4186.3	4077.2	3968.2	3940.9	3317.9	2487.2	2071.8	1764.1



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3885.0	3926.9	4094.4	4261.9	4094.4	3926.9	3885.0	3247.3	2397.1	1972.0	1697.7
115°	3695.5	3753.5	3985.8	4218.0	3985.8	3753.5	3695.5	3081.2	2262.2	1852.7	1621.6
117.5°	3433.6	3498.0	3755.6	4013.2	3755.6	3498.0	3433.6	2879.2	2140.1	1770.5	1574.0
120°	3257.3	3319.8	3570.1	3820.3	3570.1	3319.8	3257.3	2750.8	2075.3	1737.6	1557.9
122.5°	3080.8	3142.6	3389.5	3636.3	3389.5	3142.6	3080.8	2624.7	2016.5	1712.4	1549.6
125°	2847.5	2904.3	3131.8	3359.2	3131.8	2904.3	2847.5	2459.9	1943.3	1685.0	1542.6
127.5°	2660.1	2708.1	2900.0	3091.8	2900.0	2708.1	2660.1	2327.4	1883.8	1662.0	1538.6
130°	2541.8	2586.2	2763.4	2940.6	2763.4	2586.2	2541.8	2245.6	1850.7	1653.2	1541.0
132.5°	2441.0	2480.7	2639.4	2798.2	2639.4	2480.7	2441.0	2175.8	1822.3	1645.6	1542.6
135°	2298.6	2332.8	2469.6	2606.4	2469.6	2332.8	2298.6	2076.6	1780.5	1632.4	1541.2
137.5°	2193.4	2221.4	2333.4	2445.4	2333.4	2221.4	2193.4	2005.7	1755.5	1630.3	1550.6
140°	2109.1	2135.2	2239.9	2344.6	2239.9	2135.2	2109.1	1946.9	1730.7	1622.6	1552.2
142.5°	2049.9	2072.4	2162.5	2252.6	2162.5	2072.4	2049.9	1907.4	1717.5	1622.6	1557.8
145°	1961.2	1978.2	2046.4	2114.5	2046.4	1978.2	1961.2	1844.6	1689.2	1611.6	1557.8
147.5°	1886.6	1900.7	1957.2	2013.7	1957.2	1900.7	1886.6	1794.9	1672.7	1611.6	1568.6
150°	1843.9	1855.3	1901.2	1946.9	1901.2	1855.3	1843.9	1766.4	1663.2	1611.6	1574.1
152.5°	1809.9	1818.5	1853.1	1887.7	1853.1	1818.5	1809.9	1743.8	1655.7	1611.6	1577.8
155°	1769.4	1775.1	1798.1	1820.9	1798.1	1775.1	1769.4	1716.8	1646.6	1611.6	1585.8
157.5°	1734.4	1738.4	1754.4	1770.5	1754.4	1738.4	1734.4	1693.5	1638.9	1611.6	1593.9
160°	1716.8	1719.1	1728.4	1737.6	1728.4	1719.1	1716.8	1681.8	1635.0	1611.6	1597.5
162.5°	1700.4	1702.6	1711.3	1720.1	1711.3	1702.6	1700.4	1670.8	1631.4	1611.6	1601.4
165°	1675.2	1677.5	1686.8	1696.0	1686.8	1677.5	1675.2	1654.0	1625.7	1611.6	1606.9
167.5°	1664.2	1665.2	1669.1	1673.0	1669.1	1665.2	1664.2	1650.3	1631.8	1622.6	1618.7
170°	1664.2	1664.2	1664.2	1664.2	1664.2	1664.2	1664.2	1650.3	1631.8	1622.6	1622.3
172.5°	1655.4	1654.5	1651.2	1647.8	1651.2	1654.5	1655.4	1644.4	1629.9	1622.6	1622.6
175°	1643.4	1643.4	1643.4	1643.4	1643.4	1643.4	1643.4	1636.5	1627.2	1622.6	1624.8
177.5°	1641.2	1640.2	1636.3	1632.4	1636.3	1640.2	1641.2	1635.7	1628.5	1624.8	1626.4
180°	1632.4	1632.4	1632.4	1632.4	1632.4	1632.4	1632.4	1632.4	1632.4	1632.4	1632.4



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1856.6	1856.6	1856.6	1856.6	1856.6
2.5°	1833.8	1842.6	1847.9	1854.9	1872.4
5°	1763.5	1796.9	1807.5	1833.8	1865.4
7.5°	1609.0	1710.8	1738.9	1802.2	1851.4
10°	1459.6	1561.5	1610.7	1760.0	1833.8
12.5°	1384.1	1443.8	1477.2	1686.3	1809.2
15°	1336.7	1378.8	1403.4	1587.9	1781.1
17.5°	1299.8	1329.7	1347.2	1491.3	1742.5
20°	1277.0	1291.0	1306.8	1421.0	1698.5
22.5°	1261.2	1252.4	1264.7	1371.8	1638.8
25°	1250.6	1217.2	1231.3	1333.2	1568.6
27.5°	1259.4	1185.6	1190.9	1298.0	1494.8
30°	1261.2	1147.0	1148.7	1261.2	1412.2
32.5°	1248.9	1106.6	1108.3	1215.5	1319.1
35°	1219.0	1059.1	1057.4	1162.8	1192.6
37.5°	1178.6	1008.3	1008.3	1104.8	1053.9
40°	1129.4	957.3	962.6	1029.4	931.0
42.5°	1069.7	902.9	909.9	929.2	839.7
45°	1004.8	850.2	855.5	785.2	769.4
47.5°	932.8	795.7	797.5	651.7	746.6
50°	846.7	739.5	732.5	558.6	744.8
52.5°	771.1	678.0	657.0	505.9	676.3
55°	697.4	613.1	567.4	465.5	627.1
57.5°	632.4	528.7	484.8	418.1	616.6
60°	572.7	446.2	412.8	367.1	565.6
62.5°	523.5	384.7	377.7	332.0	512.9
65°	470.8	342.5	340.8	302.1	435.6
67.5°	419.8	314.4	312.7	274.0	332.0
70°	365.4	284.6	281.1	244.2	245.9
72.5°	309.2	251.2	247.7	219.6	203.8
75°	253.0	212.5	210.8	191.5	165.1
77.5°	198.5	168.6	172.1	154.6	121.2
80°	142.3	123.0	126.5	110.7	91.3
82.5°	94.9	80.8	84.3	70.3	61.5
85°	52.7	45.7	47.4	36.9	28.1
87.5°	24.6	21.1	21.1	14.1	8.8
90°	48.2	30.7	28.5	19.8	11.0
92.5°	297.3	211.5	192.9	118.3	43.8
95°	731.4	411.9	377.8	241.5	105.2
97.5°	985.4	452.5	422.5	302.1	181.9
100°	1077.8	486.5	459.2	350.1	241.0
102.5°	1120.1	520.4	494.9	393.2	291.4
105°	1151.5	570.8	549.3	463.0	376.9
107.5°	1157.3	645.3	625.2	544.9	464.5
110°	1148.6	686.9	668.8	596.3	523.7



TEST NUMBER: P935965

CATALOG NUMBER: SQ4-FA-150U-075D-93050-1D-UNV-STD-W-8-3000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1148.9	737.3	720.0	650.9	581.8
115°	1159.5	813.0	797.0	733.2	669.4
117.5°	1181.1	886.4	871.9	813.9	756.0
120°	1198.6	929.1	915.5	860.9	806.4
122.5°	1223.8	979.5	965.7	910.7	855.6
125°	1257.7	1044.1	1031.6	981.4	931.3
127.5°	1291.7	1106.6	1093.9	1043.2	992.7
130°	1316.6	1148.2	1134.6	1080.0	1025.5
132.5°	1336.7	1182.2	1168.6	1114.0	1059.5
135°	1358.6	1221.6	1209.2	1159.5	1109.8
137.5°	1391.4	1272.0	1259.7	1210.6	1161.4
140°	1411.5	1305.9	1294.6	1249.4	1204.1
142.5°	1428.3	1331.2	1320.7	1278.8	1236.9
145°	1450.3	1369.5	1360.4	1323.9	1287.3
147.5°	1482.4	1417.8	1408.9	1373.3	1337.7
150°	1499.1	1442.9	1434.9	1402.7	1370.6
152.5°	1510.2	1459.4	1453.3	1428.9	1404.6
155°	1534.2	1495.5	1491.0	1473.0	1455.0
157.5°	1558.3	1531.7	1527.3	1509.8	1492.2
160°	1569.3	1548.1	1544.7	1531.1	1517.4
162.5°	1580.9	1565.7	1563.1	1552.8	1542.6
165°	1597.7	1590.8	1588.5	1579.2	1570.0
167.5°	1610.9	1605.1	1604.0	1599.6	1595.2
170°	1621.9	1621.5	1620.4	1616.0	1611.6
172.5°	1622.6	1622.6	1622.3	1621.3	1620.4
175°	1629.2	1632.4	1632.4	1632.4	1632.4
177.5°	1629.9	1632.4	1632.4	1632.4	1632.4
180°	1632.4	1632.4	1632.4	1632.4	1632.4



TEST NUMBER: P935965
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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	10.25	10.96	11.35	12.06	13.58	13.09	13.80	14.19	14.90	16.42
	3H	10.72	11.36	11.83	12.46	14.00	14.42	15.06	15.53	16.17	17.70
	4H	10.90	11.51	12.02	12.62	14.15	14.86	15.47	15.98	16.58	18.12
	6H	11.01	11.57	12.14	12.68	14.23	15.14	15.70	16.27	16.81	18.36
	8H	11.01	11.54	12.14	12.67	14.21	15.21	15.74	16.35	16.87	18.41
	12H	10.97	11.48	12.11	12.60	14.16	15.25	15.75	16.39	16.87	18.44
4H	2H	11.27	11.87	12.39	12.98	14.52	13.48	14.08	14.61	15.19	16.73
	3H	12.28	12.79	13.41	13.92	15.47	14.97	15.48	16.11	16.61	18.16
	4H	12.55	13.01	13.69	14.14	15.71	15.49	15.96	16.63	17.08	18.65
	6H	12.67	13.06	13.81	14.21	15.77	15.85	16.25	17.00	17.40	18.96
	8H	12.67	13.04	13.81	14.18	15.76	15.96	16.33	17.10	17.47	19.05
	12H	12.63	12.96	13.79	14.12	15.70	16.01	16.35	17.17	17.50	19.08
8H	4H	12.99	13.36	14.14	14.50	16.08	15.61	15.98	16.75	17.12	18.70
	6H	13.25	13.55	14.41	14.73	16.31	16.04	16.35	17.20	17.53	19.10
	8H	13.29	13.56	14.46	14.72	16.31	16.19	16.46	17.36	17.62	19.21
	12H	13.27	13.50	14.44	14.66	16.29	16.28	16.52	17.46	17.68	19.31
12H	4H	12.99	13.33	14.15	14.48	16.06	15.56	15.90	16.73	17.05	18.64
	6H	13.31	13.58	14.48	14.74	16.33	16.04	16.30	17.21	17.46	19.06
	8H	13.37	13.60	14.54	14.76	16.39	16.19	16.43	17.37	17.58	19.21