

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: P935967

Luminaire Tested: SQ4-FA-150U-075D-93050-1D-UNV-STD-W-8-4000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935967
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-8-4000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

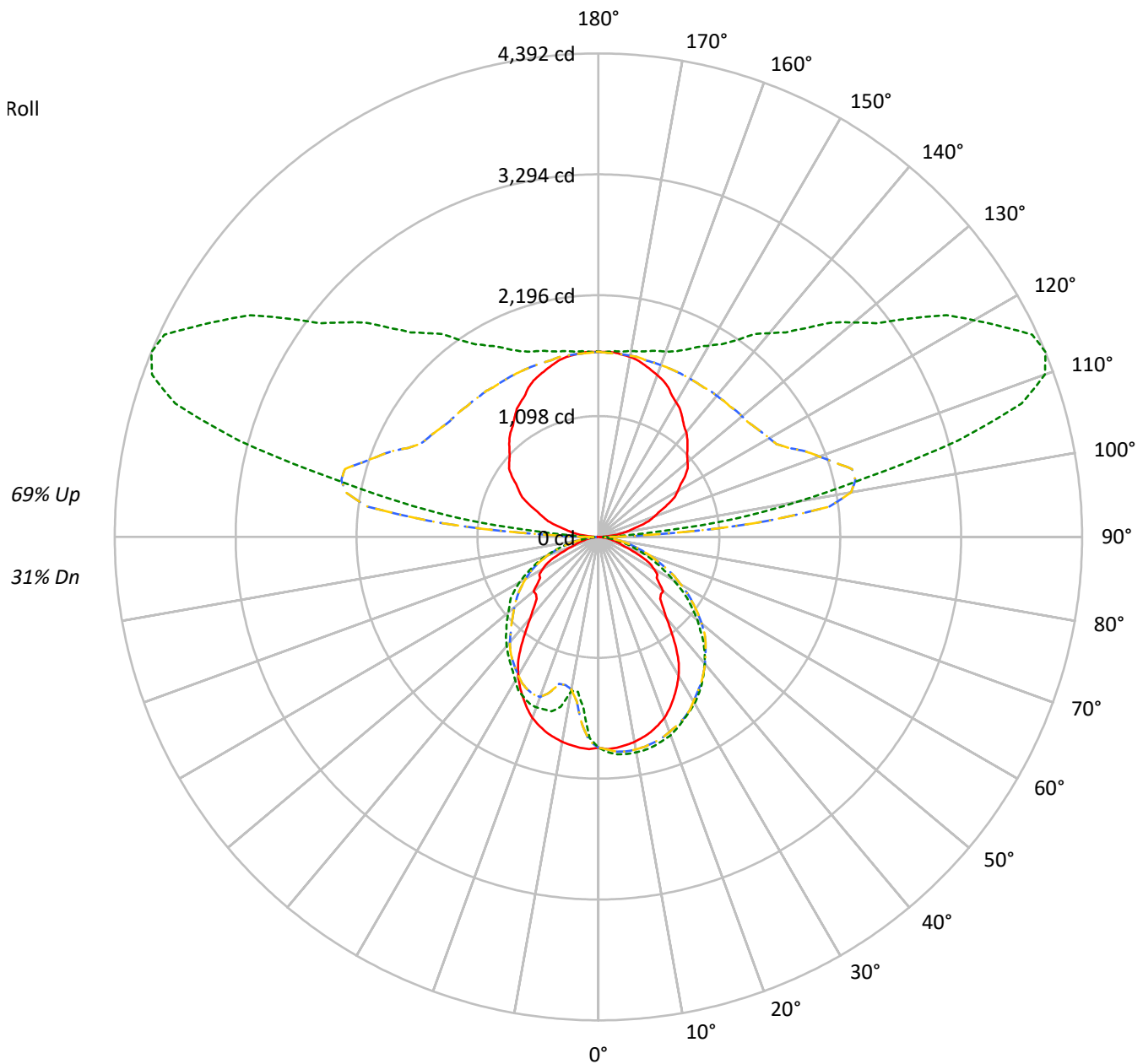
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15873.8 lumens
Efficiency: N/A
Efficacy: 124.8 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°	8877	8877	8877	8877
5°	8944	8961	8944	7046
10°	8884	8827	8884	6311
15°	8787	8636	8787	7212
20°	8604	8410	8604	7226
25°	8227	8079	8227	7073
30°	7741	7805	7741	6737
35°	6901	7458	6901	6368
40°	5751	7049	5751	6088
45°	5138	6571	5138	5767
50°	5459	6001	5459	5446
55°	5136	5387	5136	5259
60°	5294	4575	5294	4817
65°	4801	3782	4801	4227
70°	3323	3014	3323	3544
75°	2915	2228	2915	2667
80°	2348	1473	2348	1604
85°	1351	780	1351	664

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 7875 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	172.7	1.1
10°-20°	490.4	3.1
20°-30°	758.1	4.8
30°-40°	905.0	5.7
40°-50°	910.3	5.7
50°-60°	792.1	5.0
60°-70°	561.6	3.5
70°-80°	297.1	1.9
80°-90°	80.4	0.5
90°-100°	820.1	5.2
100°-110°	2156.0	13.6
110°-120°	2235.6	14.1
120°-130°	1793.2	11.3
130°-140°	1407.0	8.9
140°-150°	1079.9	6.8
150°-160°	777.7	4.9
160°-170°	475.9	3.0
170°-180°	160.8	1.0
0°-30°	1421.2	9.0
0°-40°	2326.1	14.7
0°-60°	4028.5	25.4
0°-90°	4967.6	31.3
90°-120°	5211.7	32.8
90°-150°	9491.8	59.8
90°-180°	10906.0	68.7
0°-180°	15873.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1913	1913	1913	1913	1913	
5°	1922	1982	1922	1559	1922	182
15°	1836	1964	1836	1640	1836	516
25°	1616	1832	1616	1604	1616	742
35°	1229	1635	1229	1396	1229	760
45°	793	1347	793	1182	793	635
55°	646	994	646	970	646	594
65°	449	599	449	670	449	429
75°	170	284	170	340	170	179
85°	29	72	29	62	29	39
90°	11	43	11	43	11	11
95°	108	496	108	496	108	120
105°	388	3376	388	3376	388	412
115°	690	4347	690	4347	690	681
125°	960	3462	960	3462	960	852
135°	1144	2686	1144	2686	1144	885
145°	1327	2179	1327	2179	1327	831
155°	1500	1877	1500	1877	1500	689
165°	1618	1748	1618	1748	1618	457
175°	1682	1694	1682	1694	1682	160
180°	1682	1682	1682	1682	1682	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1913.4	1913.4	1913.4	1913.4	1913.4	1913.4	1913.4	1913.4	1913.4	1913.4	1913.4
2.5°	1929.7	1929.7	1940.6	1944.2	1944.2	1938.8	1933.3	1938.8	1955.1	1960.5	1958.7
5°	1922.5	1937.0	1956.9	1960.5	1964.1	1962.3	1958.7	1962.3	1980.4	1984.0	1985.8
7.5°	1908.0	1935.1	1960.5	1965.9	1971.4	1965.9	1964.1	1967.7	1985.8	1989.5	1989.5
10°	1889.9	1927.9	1956.9	1960.5	1965.9	1960.5	1960.5	1967.7	1985.8	1989.5	1991.3
12.5°	1864.5	1917.0	1944.2	1947.8	1955.1	1953.2	1951.4	1958.7	1976.8	1980.4	1980.4
15°	1835.6	1897.1	1922.5	1926.1	1938.8	1935.1	1935.1	1942.4	1962.3	1967.7	1965.9
17.5°	1795.7	1871.8	1900.7	1906.2	1915.2	1913.4	1915.2	1922.5	1940.6	1944.2	1946.0
20°	1750.5	1837.4	1871.8	1877.2	1886.3	1886.3	1886.3	1895.3	1913.4	1920.7	1920.7
22.5°	1688.9	1801.2	1837.4	1841.0	1851.9	1851.9	1855.5	1868.2	1884.5	1886.3	1886.3
25°	1616.5	1761.4	1792.1	1803.0	1813.9	1819.3	1824.7	1832.0	1837.4	1835.6	1837.4
27.5°	1540.5	1710.7	1750.5	1757.7	1772.2	1777.6	1784.9	1786.7	1788.5	1793.9	1790.3
30°	1455.4	1640.1	1699.8	1707.0	1730.6	1734.2	1727.0	1730.6	1739.6	1743.2	1746.9
32.5°	1359.5	1535.1	1647.3	1663.6	1685.3	1674.5	1672.6	1678.1	1692.6	1692.6	1696.2
35°	1229.1	1453.6	1598.4	1612.9	1629.2	1616.5	1623.8	1625.6	1634.6	1640.1	1638.3
37.5°	1086.1	1383.0	1547.7	1558.6	1571.3	1555.0	1565.8	1571.3	1578.5	1574.9	1574.9
40°	959.5	1272.6	1488.0	1495.2	1506.1	1493.4	1504.3	1507.9	1511.5	1507.9	1506.1
42.5°	865.3	1151.3	1424.6	1433.7	1426.4	1435.5	1439.1	1446.4	1440.9	1433.7	1433.7
45°	792.9	1118.7	1355.8	1366.7	1355.8	1370.3	1375.8	1375.8	1359.5	1355.8	1354.0
47.5°	769.4	1053.6	1287.0	1287.0	1281.6	1299.7	1308.8	1296.1	1279.8	1274.4	1274.4
50°	767.6	981.2	1192.9	1185.7	1211.0	1232.7	1223.7	1211.0	1198.3	1178.4	1178.4
52.5°	697.0	892.5	1071.7	1098.8	1138.6	1151.3	1136.8	1124.1	1102.4	1093.3	1086.1
55°	646.3	800.2	961.3	1015.6	1057.2	1073.5	1046.4	1033.7	1001.1	995.7	992.1
57.5°	635.4	666.2	859.9	928.7	979.4	977.6	961.3	937.7	910.6	905.2	903.4
60°	582.9	481.5	751.3	832.7	885.2	879.8	865.3	843.6	818.3	814.6	811.0
62.5°	528.6	349.4	628.2	720.5	794.7	792.9	780.2	747.7	729.6	720.5	713.3
65°	449.0	293.3	447.1	599.2	706.0	709.6	682.5	659.0	639.0	628.2	626.4
67.5°	342.2	239.0	302.3	499.6	620.9	617.3	582.9	572.1	546.7	541.3	530.4
70°	253.4	159.3	210.0	405.5	537.7	528.6	501.5	488.8	465.3	452.6	445.3
72.5°	210.0	128.5	153.9	315.0	452.6	441.7	418.2	403.7	383.8	372.9	365.7
75°	170.2	135.8	117.7	233.5	367.5	360.3	338.5	324.0	307.8	293.3	295.1
77.5°	124.9	126.7	94.1	172.0	291.5	280.6	267.9	249.8	242.6	228.1	228.1
80°	94.1	99.6	70.6	117.7	210.0	210.0	199.1	186.5	173.8	166.5	166.5
82.5°	63.4	63.4	52.5	74.2	143.0	137.6	130.3	126.7	119.5	115.9	115.9
85°	29.0	36.2	32.6	45.3	77.8	81.5	81.5	77.8	76.0	72.4	74.2
87.5°	9.1	16.3	19.9	25.3	39.8	41.6	43.4	43.4	43.4	45.3	45.3
90°	11.3	20.4	29.3	31.6	49.7	73.8	85.8	76.3	57.2	42.9	42.9
92.5°	45.2	121.9	198.8	218.0	306.4	424.3	483.3	423.5	304.1	214.5	206.0
95°	108.4	248.9	389.4	424.5	753.8	1192.9	1412.5	1260.4	956.4	728.3	702.4
97.5°	187.5	311.4	435.4	466.3	1015.5	1747.7	2113.7	2017.6	1825.4	1681.2	1632.1
100°	248.4	360.8	473.2	501.4	1110.7	1923.1	2329.3	2336.4	2350.4	2360.9	2302.4
102.5°	300.3	405.2	510.1	536.3	1154.4	1978.3	2390.3	2512.8	2757.7	2941.3	2891.2
105°	388.4	477.2	566.1	588.3	1186.7	1984.6	2383.6	2658.1	3207.1	3618.8	3591.9
107.5°	478.7	561.6	644.3	665.0	1192.7	1896.3	2248.1	2630.9	3396.8	3971.1	3977.6
110°	539.7	614.5	689.3	707.9	1183.7	1818.0	2135.2	2563.2	3419.3	4061.5	4089.5



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	599.6	670.8	742.1	759.9	1184.0	1749.6	2032.4	2470.5	3346.7	4003.8	4047.0
115°	689.9	755.6	821.3	837.8	1195.0	1671.2	1909.3	2331.3	3175.4	3808.5	3868.3
117.5°	779.1	838.8	898.6	913.5	1217.2	1622.1	1824.6	2205.5	2967.3	3538.6	3605.0
120°	831.0	887.2	943.4	957.5	1235.3	1605.6	1790.8	2138.8	2834.9	3356.9	3421.3
122.5°	881.8	938.6	995.2	1009.4	1261.3	1597.0	1764.8	2078.2	2705.0	3175.0	3238.7
125°	959.7	1011.4	1063.1	1076.1	1296.2	1589.7	1736.6	2002.8	2535.2	2934.5	2993.1
127.5°	1023.0	1075.2	1127.4	1140.4	1331.2	1585.7	1712.8	1941.4	2398.6	2741.5	2790.9
130°	1056.9	1113.1	1169.3	1183.3	1356.8	1588.1	1703.8	1907.3	2314.3	2619.5	2665.2
132.5°	1091.9	1148.1	1204.3	1218.3	1377.6	1589.8	1695.9	1878.0	2242.4	2515.6	2556.5
135°	1143.8	1195.0	1246.2	1259.0	1400.1	1588.3	1682.3	1834.9	2140.1	2368.9	2404.1
137.5°	1196.9	1247.6	1298.2	1310.9	1434.0	1598.1	1680.2	1809.1	2067.0	2260.5	2289.3
140°	1240.9	1287.6	1334.2	1345.9	1454.7	1599.7	1672.2	1783.6	2006.5	2173.6	2200.5
142.5°	1274.7	1317.9	1361.1	1371.9	1472.0	1605.5	1672.2	1770.0	1965.7	2112.6	2135.7
145°	1326.7	1364.3	1402.0	1411.4	1494.6	1605.5	1660.9	1740.9	1901.0	2021.1	2038.7
147.5°	1378.7	1415.3	1452.0	1461.1	1527.7	1616.5	1660.9	1723.9	1849.8	1944.3	1958.9
150°	1412.5	1445.6	1478.8	1487.0	1544.9	1622.2	1660.9	1714.1	1820.5	1900.3	1912.1
152.5°	1447.5	1472.6	1497.8	1504.0	1556.3	1626.0	1660.9	1706.3	1797.1	1865.3	1874.1
155°	1499.5	1518.0	1536.6	1541.2	1581.1	1634.3	1660.9	1697.0	1769.3	1823.5	1829.4
157.5°	1537.9	1556.0	1574.0	1578.5	1605.9	1642.6	1660.9	1689.0	1745.2	1787.4	1791.6
160°	1563.8	1577.9	1591.9	1595.4	1617.3	1646.3	1660.9	1685.0	1733.2	1769.3	1771.7
162.5°	1589.8	1600.3	1610.9	1613.5	1629.3	1650.4	1660.9	1681.2	1721.9	1752.4	1754.7
165°	1618.0	1627.5	1637.1	1639.4	1646.6	1656.1	1660.9	1675.5	1704.6	1726.4	1728.8
167.5°	1644.0	1648.5	1653.0	1654.2	1660.2	1668.2	1672.2	1681.7	1700.8	1715.1	1716.1
170°	1660.9	1665.4	1669.9	1671.1	1671.5	1671.9	1672.2	1681.7	1700.8	1715.1	1715.1
172.5°	1669.9	1670.9	1671.9	1672.2	1672.2	1672.2	1672.2	1679.7	1694.7	1706.0	1705.1
175°	1682.3	1682.3	1682.3	1682.3	1679.0	1674.5	1672.2	1677.0	1686.5	1693.6	1693.6
177.5°	1682.3	1682.3	1682.3	1682.3	1679.7	1676.2	1674.5	1678.3	1685.8	1691.4	1690.4
180°	1682.3	1682.3	1682.3	1682.3	1682.3	1682.3	1682.3	1682.3	1682.3	1682.3	1682.3



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1913.4	1913.4	1913.4	1913.4	1913.4	1913.4	1913.4	1913.4	1913.4	1913.4	1913.4
2.5°	1962.3	1956.9	1962.3	1958.7	1960.5	1955.1	1938.8	1933.3	1938.8	1944.2	1944.2
5°	1985.8	1982.2	1985.8	1985.8	1984.0	1980.4	1962.3	1958.7	1962.3	1964.1	1960.5
7.5°	1993.1	1987.6	1993.1	1989.5	1989.5	1985.8	1967.7	1964.1	1965.9	1971.4	1965.9
10°	1993.1	1987.6	1993.1	1991.3	1989.5	1985.8	1967.7	1960.5	1960.5	1965.9	1960.5
12.5°	1984.0	1980.4	1984.0	1980.4	1980.4	1976.8	1958.7	1951.4	1953.2	1955.1	1947.8
15°	1969.5	1964.1	1969.5	1965.9	1967.7	1962.3	1942.4	1935.1	1935.1	1938.8	1926.1
17.5°	1947.8	1940.6	1947.8	1946.0	1944.2	1940.6	1922.5	1915.2	1913.4	1915.2	1906.2
20°	1922.5	1917.0	1922.5	1920.7	1920.7	1913.4	1895.3	1886.3	1886.3	1886.3	1877.2
22.5°	1882.6	1877.2	1882.6	1886.3	1886.3	1884.5	1868.2	1855.5	1851.9	1851.9	1841.0
25°	1837.4	1832.0	1837.4	1837.4	1835.6	1837.4	1832.0	1824.7	1819.3	1813.9	1803.0
27.5°	1793.9	1790.3	1793.9	1790.3	1793.9	1788.5	1786.7	1784.9	1777.6	1772.2	1757.7
30°	1750.5	1746.9	1750.5	1746.9	1743.2	1739.6	1730.6	1727.0	1734.2	1730.6	1707.0
32.5°	1696.2	1692.6	1696.2	1696.2	1692.6	1692.6	1678.1	1672.6	1674.5	1685.3	1663.6
35°	1640.1	1634.6	1640.1	1638.3	1640.1	1634.6	1625.6	1623.8	1616.5	1629.2	1612.9
37.5°	1574.9	1569.5	1574.9	1574.9	1574.9	1578.5	1571.3	1565.8	1555.0	1571.3	1558.6
40°	1507.9	1500.7	1507.9	1506.1	1507.9	1511.5	1507.9	1504.3	1493.4	1506.1	1495.2
42.5°	1431.9	1430.1	1431.9	1433.7	1433.7	1440.9	1446.4	1439.1	1435.5	1426.4	1433.7
45°	1350.4	1346.8	1350.4	1354.0	1355.8	1359.5	1375.8	1375.8	1370.3	1355.8	1366.7
47.5°	1263.5	1254.5	1263.5	1274.4	1274.4	1279.8	1296.1	1308.8	1299.7	1281.6	1287.0
50°	1171.2	1173.0	1171.2	1178.4	1178.4	1198.3	1211.0	1223.7	1232.7	1211.0	1185.7
52.5°	1080.7	1079.0	1080.7	1086.1	1093.3	1102.4	1124.1	1136.8	1151.3	1138.6	1098.8
55°	990.2	993.9	990.2	992.1	995.7	1001.1	1033.7	1046.4	1073.5	1057.2	1015.6
57.5°	899.7	894.3	899.7	903.4	905.2	910.6	937.7	961.3	977.6	979.4	928.7
60°	794.7	787.5	794.7	811.0	814.6	818.3	843.6	865.3	879.8	885.2	832.7
62.5°	702.4	689.7	702.4	713.3	720.5	729.6	747.7	780.2	792.9	794.7	720.5
65°	604.6	599.2	604.6	626.4	628.2	639.0	659.0	682.5	709.6	706.0	599.2
67.5°	515.9	515.9	515.9	530.4	541.3	546.7	572.1	582.9	617.3	620.9	499.6
70°	434.5	432.7	434.5	445.3	452.6	465.3	488.8	501.5	528.6	537.7	405.5
72.5°	356.6	354.8	356.6	365.7	372.9	383.8	403.7	418.2	441.7	452.6	315.0
75°	287.8	284.2	287.8	295.1	293.3	307.8	324.0	338.5	360.3	367.5	233.5
77.5°	220.9	220.9	220.9	228.1	228.1	242.6	249.8	267.9	280.6	291.5	172.0
80°	164.7	162.9	164.7	166.5	166.5	173.8	186.5	199.1	210.0	210.0	117.7
82.5°	115.9	112.2	115.9	115.9	115.9	119.5	126.7	130.3	137.6	143.0	74.2
85°	72.4	72.4	72.4	74.2	72.4	76.0	77.8	81.5	81.5	77.8	45.3
87.5°	47.1	45.3	47.1	45.3	45.3	43.4	43.4	43.4	41.6	39.8	25.3
90°	42.9	42.9	42.9	42.9	42.9	57.2	76.3	85.8	73.8	49.7	31.6
92.5°	171.9	137.8	171.9	206.0	214.5	304.1	423.5	483.3	424.3	306.4	218.0
95°	599.0	495.7	599.0	702.4	728.3	956.4	1260.4	1412.5	1192.9	753.8	424.5
97.5°	1435.3	1238.6	1435.3	1632.1	1681.2	1825.4	2017.6	2113.7	1747.7	1015.5	466.3
100°	2068.0	1833.7	2068.0	2302.4	2360.9	2350.4	2336.4	2329.3	1923.1	1110.7	501.4
102.5°	2690.4	2489.7	2690.4	2891.2	2941.3	2757.7	2512.8	2390.3	1978.3	1154.4	536.3
105°	3484.0	3376.1	3484.0	3591.9	3618.8	3207.1	2658.1	2383.6	1984.6	1186.7	588.3
107.5°	4003.7	4029.8	4003.7	3977.6	3971.1	3396.8	2630.9	2248.1	1896.3	1192.7	665.0
110°	4201.9	4314.4	4201.9	4089.5	4061.5	3419.3	2563.2	2135.2	1818.0	1183.7	707.9



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	4219.6	4392.2	4219.6	4047.0	4003.8	3346.7	2470.5	2032.4	1749.6	1184.0	759.9
115°	4107.7	4347.0	4107.7	3868.3	3808.5	3175.4	2331.3	1909.3	1671.2	1195.0	837.8
117.5°	3870.5	4136.0	3870.5	3605.0	3538.6	2967.3	2205.5	1824.6	1622.1	1217.2	913.5
120°	3679.3	3937.2	3679.3	3421.3	3356.9	2834.9	2138.8	1790.8	1605.6	1235.3	957.5
122.5°	3493.1	3747.5	3493.1	3238.7	3175.0	2705.0	2078.2	1764.8	1597.0	1261.3	1009.4
125°	3227.5	3461.9	3227.5	2993.1	2934.5	2535.2	2002.8	1736.6	1589.7	1296.2	1076.1
127.5°	2988.7	3186.3	2988.7	2790.9	2741.5	2398.6	1941.4	1712.8	1585.7	1331.2	1140.4
130°	2847.9	3030.6	2847.9	2665.2	2619.5	2314.3	1907.3	1703.8	1588.1	1356.8	1183.3
132.5°	2720.1	2883.8	2720.1	2556.5	2515.6	2242.4	1878.0	1695.9	1589.8	1377.6	1218.3
135°	2545.1	2686.2	2545.1	2404.1	2368.9	2140.1	1834.9	1682.3	1588.3	1400.1	1259.0
137.5°	2404.7	2520.1	2404.7	2289.3	2260.5	2067.0	1809.1	1680.2	1598.1	1434.0	1310.9
140°	2308.4	2416.3	2308.4	2200.5	2173.6	2006.5	1783.6	1672.2	1599.7	1454.7	1345.9
142.5°	2228.6	2321.5	2228.6	2135.7	2112.6	1965.7	1770.0	1672.2	1605.5	1472.0	1371.9
145°	2108.9	2179.2	2108.9	2038.7	2021.1	1901.0	1740.9	1660.9	1605.5	1494.6	1411.4
147.5°	2017.1	2075.3	2017.1	1958.9	1944.3	1849.8	1723.9	1660.9	1616.5	1527.7	1461.1
150°	1959.3	2006.5	1959.3	1912.1	1900.3	1820.5	1714.1	1660.9	1622.2	1544.9	1487.0
152.5°	1909.8	1945.5	1909.8	1874.1	1865.3	1797.1	1706.3	1660.9	1626.0	1556.3	1504.0
155°	1853.0	1876.6	1853.0	1829.4	1823.5	1769.3	1697.0	1660.9	1634.3	1581.1	1541.2
157.5°	1808.1	1824.6	1808.1	1791.6	1787.4	1745.2	1689.0	1660.9	1642.6	1605.9	1578.5
160°	1781.3	1790.8	1781.3	1771.7	1769.3	1733.2	1685.0	1660.9	1646.3	1617.3	1595.4
162.5°	1763.6	1772.7	1763.6	1754.7	1752.4	1721.9	1681.2	1660.9	1650.4	1629.3	1613.5
165°	1738.4	1747.9	1738.4	1728.8	1726.4	1704.6	1675.5	1660.9	1656.1	1646.6	1639.4
167.5°	1720.2	1724.2	1720.2	1716.1	1715.1	1700.8	1681.7	1672.2	1668.2	1660.2	1654.2
170°	1715.1	1715.1	1715.1	1715.1	1715.1	1700.8	1681.7	1672.2	1671.9	1671.5	1671.1
172.5°	1701.7	1698.2	1701.7	1705.1	1706.0	1694.7	1679.7	1672.2	1672.2	1672.2	1672.2
175°	1693.6	1693.6	1693.6	1693.6	1693.6	1686.5	1677.0	1672.2	1674.5	1679.0	1682.3
177.5°	1686.3	1682.3	1686.3	1690.4	1691.4	1685.8	1678.3	1674.5	1676.2	1679.7	1682.3
180°	1682.3	1682.3	1682.3	1682.3	1682.3	1682.3	1682.3	1682.3	1682.3	1682.3	1682.3



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CATALOG NUMBER: SQ4-FA-150U-075D-93050-1D-UNV-STD-W-8-4000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1913.4	1913.4	1913.4	1913.4	1913.4	1913.4	1913.4	1913.4	1913.4	1913.4	1913.4
2.5°	1940.6	1929.7	1929.7	1911.6	1904.4	1898.9	1889.9	1862.7	1855.5	1848.2	1859.1
5°	1956.9	1937.0	1922.5	1889.9	1862.7	1851.9	1817.5	1752.3	1708.9	1676.3	1658.2
7.5°	1960.5	1935.1	1908.0	1857.3	1792.1	1763.2	1658.2	1538.7	1506.1	1477.1	1459.0
10°	1956.9	1927.9	1889.9	1813.9	1660.0	1609.3	1504.3	1426.4	1406.5	1401.1	1406.5
12.5°	1944.2	1917.0	1864.5	1737.8	1522.4	1488.0	1426.4	1381.2	1377.6	1386.6	1435.5
15°	1922.5	1897.1	1835.6	1636.4	1446.4	1421.0	1377.6	1361.3	1381.2	1444.5	1591.2
17.5°	1900.7	1871.8	1795.7	1536.9	1388.4	1370.3	1339.5	1372.1	1484.4	1569.5	1618.3
20°	1871.8	1837.4	1750.5	1464.5	1346.8	1330.5	1316.0	1462.6	1547.7	1578.5	1605.7
22.5°	1837.4	1801.2	1688.9	1413.8	1303.3	1290.7	1299.7	1513.3	1547.7	1569.5	1593.0
25°	1792.1	1761.4	1616.5	1373.9	1268.9	1254.5	1288.9	1507.9	1527.8	1533.3	1580.3
27.5°	1750.5	1710.7	1540.5	1337.7	1227.3	1221.9	1297.9	1484.4	1498.9	1504.3	1555.0
30°	1699.8	1640.1	1455.4	1299.7	1183.9	1182.0	1299.7	1455.4	1451.8	1466.3	1517.0
32.5°	1647.3	1535.1	1359.5	1252.7	1142.2	1140.4	1287.0	1412.0	1408.3	1428.3	1466.3
35°	1598.4	1453.6	1229.1	1198.3	1089.7	1091.5	1256.3	1361.3	1363.1	1381.2	1404.7
37.5°	1547.7	1383.0	1086.1	1138.6	1039.1	1039.1	1214.6	1314.2	1310.6	1316.0	1348.6
40°	1488.0	1272.6	959.5	1060.8	992.1	986.6	1163.9	1263.5	1250.8	1249.0	1294.3
42.5°	1424.6	1151.3	865.3	957.7	937.7	930.5	1102.4	1202.0	1178.4	1183.9	1241.8
45°	1355.8	1118.7	792.9	809.2	881.6	876.2	1035.5	1131.4	1115.1	1129.6	1189.3
47.5°	1287.0	1053.6	769.4	671.6	821.9	820.1	961.3	1062.7	1053.6	1068.1	1131.4
50°	1192.9	981.2	767.6	575.7	754.9	762.1	872.6	995.7	995.7	1008.3	1075.3
52.5°	1071.7	892.5	697.0	521.4	677.1	698.8	794.7	937.7	941.4	954.0	1013.8
55°	961.3	800.2	646.3	479.7	584.7	631.8	718.7	878.0	885.2	897.9	952.2
57.5°	859.9	666.2	635.4	430.9	499.6	544.9	651.7	820.1	823.7	834.6	887.1
60°	751.3	481.5	582.9	378.4	425.4	459.8	590.2	751.3	764.0	771.2	816.5
62.5°	628.2	349.4	528.6	342.2	389.2	396.5	539.5	686.1	702.4	707.8	735.0
65°	447.1	293.3	449.0	311.4	351.2	353.0	485.2	619.1	633.6	642.7	662.6
67.5°	302.3	239.0	342.2	282.4	322.2	324.0	432.7	541.3	561.2	568.4	581.1
70°	210.0	159.3	253.4	251.6	289.7	293.3	376.5	470.7	488.8	494.2	501.5
72.5°	153.9	128.5	210.0	226.3	255.3	258.9	318.6	391.0	409.1	414.6	418.2
75°	117.7	135.8	170.2	197.3	217.2	219.0	260.7	318.6	331.3	334.9	336.7
77.5°	94.1	126.7	124.9	159.3	177.4	173.8	204.6	246.2	257.1	257.1	257.1
80°	70.6	99.6	94.1	114.1	130.3	126.7	146.6	175.6	179.2	182.8	181.0
82.5°	52.5	63.4	63.4	72.4	86.9	83.3	97.8	114.1	114.1	114.1	117.7
85°	32.6	36.2	29.0	38.0	48.9	47.1	54.3	61.6	63.4	63.4	59.7
87.5°	19.9	16.3	9.1	14.5	21.7	21.7	25.3	27.2	25.3	25.3	25.3
90°	29.3	20.4	11.3	20.4	29.3	31.6	49.7	73.8	85.8	76.3	57.2
92.5°	198.8	121.9	45.2	121.9	198.8	218.0	306.4	424.3	483.3	423.5	304.1
95°	389.4	248.9	108.4	248.9	389.4	424.5	753.8	1192.9	1412.5	1260.4	956.4
97.5°	435.4	311.4	187.5	311.4	435.4	466.3	1015.5	1747.7	2113.7	2017.6	1825.4
100°	473.2	360.8	248.4	360.8	473.2	501.4	1110.7	1923.1	2329.3	2336.4	2350.4
102.5°	510.1	405.2	300.3	405.2	510.1	536.3	1154.4	1978.3	2390.3	2512.8	2757.7
105°	566.1	477.2	388.4	477.2	566.1	588.3	1186.7	1984.6	2383.6	2658.1	3207.1
107.5°	644.3	561.6	478.7	561.6	644.3	665.0	1192.7	1896.3	2248.1	2630.9	3396.8
110°	689.3	614.5	539.7	614.5	689.3	707.9	1183.7	1818.0	2135.2	2563.2	3419.3



TEST NUMBER: P935967

CATALOG NUMBER: SQ4-FA-150U-075D-93050-1D-UNV-STD-W-8-4000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	742.1	670.8	599.6	670.8	742.1	759.9	1184.0	1749.6	2032.4	2470.5	3346.7
115°	821.3	755.6	689.9	755.6	821.3	837.8	1195.0	1671.2	1909.3	2331.3	3175.4
117.5°	898.6	838.8	779.1	838.8	898.6	913.5	1217.2	1622.1	1824.6	2205.5	2967.3
120°	943.4	887.2	831.0	887.2	943.4	957.5	1235.3	1605.6	1790.8	2138.8	2834.9
122.5°	995.2	938.6	881.8	938.6	995.2	1009.4	1261.3	1597.0	1764.8	2078.2	2705.0
125°	1063.1	1011.4	959.7	1011.4	1063.1	1076.1	1296.2	1589.7	1736.6	2002.8	2535.2
127.5°	1127.4	1075.2	1023.0	1075.2	1127.4	1140.4	1331.2	1585.7	1712.8	1941.4	2398.6
130°	1169.3	1113.1	1056.9	1113.1	1169.3	1183.3	1356.8	1588.1	1703.8	1907.3	2314.3
132.5°	1204.3	1148.1	1091.9	1148.1	1204.3	1218.3	1377.6	1589.8	1695.9	1878.0	2242.4
135°	1246.2	1195.0	1143.8	1195.0	1246.2	1259.0	1400.1	1588.3	1682.3	1834.9	2140.1
137.5°	1298.2	1247.6	1196.9	1247.6	1298.2	1310.9	1434.0	1598.1	1680.2	1809.1	2067.0
140°	1334.2	1287.6	1240.9	1287.6	1334.2	1345.9	1454.7	1599.7	1672.2	1783.6	2006.5
142.5°	1361.1	1317.9	1274.7	1317.9	1361.1	1371.9	1472.0	1605.5	1672.2	1770.0	1965.7
145°	1402.0	1364.3	1326.7	1364.3	1402.0	1411.4	1494.6	1605.5	1660.9	1740.9	1901.0
147.5°	1452.0	1415.3	1378.7	1415.3	1452.0	1461.1	1527.7	1616.5	1660.9	1723.9	1849.8
150°	1478.8	1445.6	1412.5	1445.6	1478.8	1487.0	1544.9	1622.2	1660.9	1714.1	1820.5
152.5°	1497.8	1472.6	1447.5	1472.6	1497.8	1504.0	1556.3	1626.0	1660.9	1706.3	1797.1
155°	1536.6	1518.0	1499.5	1518.0	1536.6	1541.2	1581.1	1634.3	1660.9	1697.0	1769.3
157.5°	1574.0	1556.0	1537.9	1556.0	1574.0	1578.5	1605.9	1642.6	1660.9	1689.0	1745.2
160°	1591.9	1577.9	1563.8	1577.9	1591.9	1595.4	1617.3	1646.3	1660.9	1685.0	1733.2
162.5°	1610.9	1600.3	1589.8	1600.3	1610.9	1613.5	1629.3	1650.4	1660.9	1681.2	1721.9
165°	1637.1	1627.5	1618.0	1627.5	1637.1	1639.4	1646.6	1656.1	1660.9	1675.5	1704.6
167.5°	1653.0	1648.5	1644.0	1648.5	1653.0	1654.2	1660.2	1668.2	1672.2	1681.7	1700.8
170°	1669.9	1665.4	1660.9	1665.4	1669.9	1671.1	1671.5	1671.9	1672.2	1681.7	1700.8
172.5°	1671.9	1670.9	1669.9	1670.9	1671.9	1672.2	1672.2	1672.2	1672.2	1679.7	1694.7
175°	1682.3	1682.3	1682.3	1682.3	1682.3	1682.3	1679.0	1674.5	1672.2	1677.0	1686.5
177.5°	1682.3	1682.3	1682.3	1682.3	1682.3	1682.3	1679.7	1676.2	1674.5	1678.3	1685.8
180°	1682.3	1682.3	1682.3	1682.3	1682.3	1682.3	1682.3	1682.3	1682.3	1682.3	1682.3



TEST NUMBER: P935967

CATALOG NUMBER: SQ4-FA-150U-075D-93050-1D-UNV-STD-W-8-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1913.4	1913.4	1913.4	1913.4	1913.4	1913.4	1913.4	1913.4	1913.4	1913.4	1913.4
2.5°	1846.4	1841.0	1848.2	1828.3	1848.2	1841.0	1846.4	1859.1	1848.2	1855.5	1862.7
5°	1620.1	1611.1	1582.1	1558.6	1582.1	1611.1	1620.1	1658.2	1676.3	1708.9	1752.3
7.5°	1448.2	1440.9	1433.7	1419.2	1433.7	1440.9	1448.2	1459.0	1477.1	1506.1	1538.7
10°	1410.2	1412.0	1422.8	1421.0	1422.8	1412.0	1410.2	1406.5	1401.1	1406.5	1426.4
12.5°	1507.9	1524.2	1583.9	1580.3	1583.9	1524.2	1507.9	1435.5	1386.6	1377.6	1381.2
15°	1620.1	1625.6	1638.3	1640.1	1638.3	1625.6	1620.1	1591.2	1444.5	1381.2	1361.3
17.5°	1631.0	1632.8	1641.9	1641.9	1641.9	1632.8	1631.0	1618.3	1569.5	1484.4	1372.1
20°	1622.0	1625.6	1643.7	1647.3	1643.7	1625.6	1622.0	1605.7	1578.5	1547.7	1462.6
22.5°	1618.3	1625.6	1640.1	1638.3	1640.1	1625.6	1618.3	1593.0	1569.5	1547.7	1513.3
25°	1600.2	1600.2	1602.0	1603.9	1602.0	1600.2	1600.2	1580.3	1533.3	1527.8	1507.9
27.5°	1562.2	1565.8	1576.7	1574.9	1576.7	1565.8	1562.2	1555.0	1504.3	1498.9	1484.4
30°	1527.8	1524.2	1515.1	1507.9	1515.1	1524.2	1527.8	1517.0	1466.3	1451.8	1455.4
32.5°	1469.9	1460.8	1451.8	1446.4	1451.8	1460.8	1469.9	1466.3	1428.3	1408.3	1412.0
35°	1401.1	1402.9	1401.1	1395.7	1401.1	1402.9	1401.1	1404.7	1381.2	1363.1	1361.3
37.5°	1352.2	1355.8	1354.0	1346.8	1354.0	1355.8	1352.2	1348.6	1316.0	1310.6	1314.2
40°	1301.5	1303.3	1301.5	1296.1	1301.5	1303.3	1301.5	1294.3	1249.0	1250.8	1263.5
42.5°	1252.7	1250.8	1245.4	1241.8	1245.4	1250.8	1252.7	1241.8	1183.9	1178.4	1202.0
45°	1196.5	1198.3	1187.5	1182.0	1187.5	1198.3	1196.5	1189.3	1129.6	1115.1	1131.4
47.5°	1140.4	1140.4	1131.4	1125.9	1131.4	1140.4	1140.4	1131.4	1068.1	1053.6	1062.7
50°	1080.7	1079.0	1066.3	1064.5	1066.3	1079.0	1080.7	1075.3	1008.3	995.7	995.7
52.5°	1012.0	1012.0	1013.8	1017.4	1013.8	1012.0	1012.0	1013.8	954.0	941.4	937.7
55°	952.2	954.0	966.7	970.3	966.7	954.0	952.2	952.2	897.9	885.2	878.0
57.5°	890.7	890.7	899.7	899.7	899.7	890.7	890.7	887.1	834.6	823.7	820.1
60°	820.1	823.7	830.9	829.1	830.9	823.7	820.1	816.5	771.2	764.0	751.3
62.5°	745.9	749.5	751.3	747.7	751.3	749.5	745.9	735.0	707.8	702.4	686.1
65°	668.0	671.6	673.4	669.8	673.4	671.6	668.0	662.6	642.7	633.6	619.1
67.5°	588.4	586.5	584.7	592.0	584.7	586.5	588.4	581.1	568.4	561.2	541.3
70°	506.9	506.9	505.1	508.7	505.1	506.9	506.9	501.5	494.2	488.8	470.7
72.5°	420.0	418.2	425.4	420.0	425.4	418.2	420.0	418.2	414.6	409.1	391.0
75°	334.9	338.5	334.9	340.3	334.9	338.5	334.9	336.7	334.9	331.3	318.6
77.5°	255.3	258.9	255.3	255.3	255.3	258.9	255.3	257.1	257.1	257.1	246.2
80°	181.0	179.2	179.2	177.4	179.2	179.2	181.0	181.0	182.8	179.2	175.6
82.5°	115.9	114.1	114.1	117.7	114.1	114.1	115.9	117.7	114.1	114.1	114.1
85°	63.4	65.2	61.6	61.6	61.6	65.2	63.4	59.7	63.4	63.4	61.6
87.5°	23.5	21.7	21.7	21.7	21.7	21.7	23.5	25.3	25.3	25.3	27.2
90°	42.9	42.9	42.9	42.9	42.9	42.9	42.9	57.2	76.3	85.8	73.8
92.5°	214.5	206.0	171.9	137.8	171.9	206.0	214.5	304.1	423.5	483.3	424.3
95°	728.3	702.4	599.0	495.7	599.0	702.4	728.3	956.4	1260.4	1412.5	1192.9
97.5°	1681.2	1632.1	1435.3	1238.6	1435.3	1632.1	1681.2	1825.4	2017.6	2113.7	1747.7
100°	2360.9	2302.4	2068.0	1833.7	2068.0	2302.4	2360.9	2350.4	2336.4	2329.3	1923.1
102.5°	2941.3	2891.2	2690.4	2489.7	2690.4	2891.2	2941.3	2757.7	2512.8	2390.3	1978.3
105°	3618.8	3591.9	3484.0	3376.1	3484.0	3591.9	3618.8	3207.1	2658.1	2383.6	1984.6
107.5°	3971.1	3977.6	4003.7	4029.8	4003.7	3977.6	3971.1	3396.8	2630.9	2248.1	1896.3
110°	4061.5	4089.5	4201.9	4314.4	4201.9	4089.5	4061.5	3419.3	2563.2	2135.2	1818.0



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	4003.8	4047.0	4219.6	4392.2	4219.6	4047.0	4003.8	3346.7	2470.5	2032.4	1749.6
115°	3808.5	3868.3	4107.7	4347.0	4107.7	3868.3	3808.5	3175.4	2331.3	1909.3	1671.2
117.5°	3538.6	3605.0	3870.5	4136.0	3870.5	3605.0	3538.6	2967.3	2205.5	1824.6	1622.1
120°	3356.9	3421.3	3679.3	3937.2	3679.3	3421.3	3356.9	2834.9	2138.8	1790.8	1605.6
122.5°	3175.0	3238.7	3493.1	3747.5	3493.1	3238.7	3175.0	2705.0	2078.2	1764.8	1597.0
125°	2934.5	2993.1	3227.5	3461.9	3227.5	2993.1	2934.5	2535.2	2002.8	1736.6	1589.7
127.5°	2741.5	2790.9	2988.7	3186.3	2988.7	2790.9	2741.5	2398.6	1941.4	1712.8	1585.7
130°	2619.5	2665.2	2847.9	3030.6	2847.9	2665.2	2619.5	2314.3	1907.3	1703.8	1588.1
132.5°	2515.6	2556.5	2720.1	2883.8	2720.1	2556.5	2515.6	2242.4	1878.0	1695.9	1589.8
135°	2368.9	2404.1	2545.1	2686.2	2545.1	2404.1	2368.9	2140.1	1834.9	1682.3	1588.3
137.5°	2260.5	2289.3	2404.7	2520.1	2404.7	2289.3	2260.5	2067.0	1809.1	1680.2	1598.1
140°	2173.6	2200.5	2308.4	2416.3	2308.4	2200.5	2173.6	2006.5	1783.6	1672.2	1599.7
142.5°	2112.6	2135.7	2228.6	2321.5	2228.6	2135.7	2112.6	1965.7	1770.0	1672.2	1605.5
145°	2021.1	2038.7	2108.9	2179.2	2108.9	2038.7	2021.1	1901.0	1740.9	1660.9	1605.5
147.5°	1944.3	1958.9	2017.1	2075.3	2017.1	1958.9	1944.3	1849.8	1723.9	1660.9	1616.5
150°	1900.3	1912.1	1959.3	2006.5	1959.3	1912.1	1900.3	1820.5	1714.1	1660.9	1622.2
152.5°	1865.3	1874.1	1909.8	1945.5	1909.8	1874.1	1865.3	1797.1	1706.3	1660.9	1626.0
155°	1823.5	1829.4	1853.0	1876.6	1853.0	1829.4	1823.5	1769.3	1697.0	1660.9	1634.3
157.5°	1787.4	1791.6	1808.1	1824.6	1808.1	1791.6	1787.4	1745.2	1689.0	1660.9	1642.6
160°	1769.3	1771.7	1781.3	1790.8	1781.3	1771.7	1769.3	1733.2	1685.0	1660.9	1646.3
162.5°	1752.4	1754.7	1763.6	1772.7	1763.6	1754.7	1752.4	1721.9	1681.2	1660.9	1650.4
165°	1726.4	1728.8	1738.4	1747.9	1738.4	1728.8	1726.4	1704.6	1675.5	1660.9	1656.1
167.5°	1715.1	1716.1	1720.2	1724.2	1720.2	1716.1	1715.1	1700.8	1681.7	1672.2	1668.2
170°	1715.1	1715.1	1715.1	1715.1	1715.1	1715.1	1715.1	1700.8	1681.7	1672.2	1671.9
172.5°	1706.0	1705.1	1701.7	1698.2	1701.7	1705.1	1706.0	1694.7	1679.7	1672.2	1672.2
175°	1693.6	1693.6	1693.6	1693.6	1693.6	1693.6	1693.6	1686.5	1677.0	1672.2	1674.5
177.5°	1691.4	1690.4	1686.3	1682.3	1686.3	1690.4	1691.4	1685.8	1678.3	1674.5	1676.2
180°	1682.3	1682.3	1682.3	1682.3	1682.3	1682.3	1682.3	1682.3	1682.3	1682.3	1682.3



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1913.4	1913.4	1913.4	1913.4	1913.4
2.5°	1889.9	1898.9	1904.4	1911.6	1929.7
5°	1817.5	1851.9	1862.7	1889.9	1922.5
7.5°	1658.2	1763.2	1792.1	1857.3	1908.0
10°	1504.3	1609.3	1660.0	1813.9	1889.9
12.5°	1426.4	1488.0	1522.4	1737.8	1864.5
15°	1377.6	1421.0	1446.4	1636.4	1835.6
17.5°	1339.5	1370.3	1388.4	1536.9	1795.7
20°	1316.0	1330.5	1346.8	1464.5	1750.5
22.5°	1299.7	1290.7	1303.3	1413.8	1688.9
25°	1288.9	1254.5	1268.9	1373.9	1616.5
27.5°	1297.9	1221.9	1227.3	1337.7	1540.5
30°	1299.7	1182.0	1183.9	1299.7	1455.4
32.5°	1287.0	1140.4	1142.2	1252.7	1359.5
35°	1256.3	1091.5	1089.7	1198.3	1229.1
37.5°	1214.6	1039.1	1039.1	1138.6	1086.1
40°	1163.9	986.6	992.1	1060.8	959.5
42.5°	1102.4	930.5	937.7	957.7	865.3
45°	1035.5	876.2	881.6	809.2	792.9
47.5°	961.3	820.1	821.9	671.6	769.4
50°	872.6	762.1	754.9	575.7	767.6
52.5°	794.7	698.8	677.1	521.4	697.0
55°	718.7	631.8	584.7	479.7	646.3
57.5°	651.7	544.9	499.6	430.9	635.4
60°	590.2	459.8	425.4	378.4	582.9
62.5°	539.5	396.5	389.2	342.2	528.6
65°	485.2	353.0	351.2	311.4	449.0
67.5°	432.7	324.0	322.2	282.4	342.2
70°	376.5	293.3	289.7	251.6	253.4
72.5°	318.6	258.9	255.3	226.3	210.0
75°	260.7	219.0	217.2	197.3	170.2
77.5°	204.6	173.8	177.4	159.3	124.9
80°	146.6	126.7	130.3	114.1	94.1
82.5°	97.8	83.3	86.9	72.4	63.4
85°	54.3	47.1	48.9	38.0	29.0
87.5°	25.3	21.7	21.7	14.5	9.1
90°	49.7	31.6	29.3	20.4	11.3
92.5°	306.4	218.0	198.8	121.9	45.2
95°	753.8	424.5	389.4	248.9	108.4
97.5°	1015.5	466.3	435.4	311.4	187.5
100°	1110.7	501.4	473.2	360.8	248.4
102.5°	1154.4	536.3	510.1	405.2	300.3
105°	1186.7	588.3	566.1	477.2	388.4
107.5°	1192.7	665.0	644.3	561.6	478.7
110°	1183.7	707.9	689.3	614.5	539.7



TEST NUMBER: P935967

CATALOG NUMBER: SQ4-FA-150U-075D-93050-1D-UNV-STD-W-8-4000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1184.0	759.9	742.1	670.8	599.6
115°	1195.0	837.8	821.3	755.6	689.9
117.5°	1217.2	913.5	898.6	838.8	779.1
120°	1235.3	957.5	943.4	887.2	831.0
122.5°	1261.3	1009.4	995.2	938.6	881.8
125°	1296.2	1076.1	1063.1	1011.4	959.7
127.5°	1331.2	1140.4	1127.4	1075.2	1023.0
130°	1356.8	1183.3	1169.3	1113.1	1056.9
132.5°	1377.6	1218.3	1204.3	1148.1	1091.9
135°	1400.1	1259.0	1246.2	1195.0	1143.8
137.5°	1434.0	1310.9	1298.2	1247.6	1196.9
140°	1454.7	1345.9	1334.2	1287.6	1240.9
142.5°	1472.0	1371.9	1361.1	1317.9	1274.7
145°	1494.6	1411.4	1402.0	1364.3	1326.7
147.5°	1527.7	1461.1	1452.0	1415.3	1378.7
150°	1544.9	1487.0	1478.8	1445.6	1412.5
152.5°	1556.3	1504.0	1497.8	1472.6	1447.5
155°	1581.1	1541.2	1536.6	1518.0	1499.5
157.5°	1605.9	1578.5	1574.0	1556.0	1537.9
160°	1617.3	1595.4	1591.9	1577.9	1563.8
162.5°	1629.3	1613.5	1610.9	1600.3	1589.8
165°	1646.6	1639.4	1637.1	1627.5	1618.0
167.5°	1660.2	1654.2	1653.0	1648.5	1644.0
170°	1671.5	1671.1	1669.9	1665.4	1660.9
172.5°	1672.2	1672.2	1671.9	1670.9	1669.9
175°	1679.0	1682.3	1682.3	1682.3	1682.3
177.5°	1679.7	1682.3	1682.3	1682.3	1682.3
180°	1682.3	1682.3	1682.3	1682.3	1682.3



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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	10.35	11.07	11.46	12.17	13.68	13.19	13.91	14.29	15.01	16.52
	3H	10.82	11.46	11.93	12.57	14.10	14.53	15.17	15.64	16.28	17.81
	4H	11.00	11.61	12.13	12.72	14.26	14.97	15.57	16.09	16.68	18.22
	6H	11.11	11.67	12.24	12.79	14.33	15.25	15.81	16.38	16.92	18.47
	8H	11.11	11.64	12.25	12.77	14.31	15.32	15.85	16.45	16.98	18.52
	12H	11.08	11.58	12.22	12.70	14.27	15.35	15.86	16.49	16.98	18.54
4H	2H	11.37	11.98	12.50	13.09	14.62	13.58	14.19	14.71	15.30	16.84
	3H	12.38	12.89	13.52	14.02	15.57	15.08	15.58	16.21	16.72	18.27
	4H	12.65	13.12	13.79	14.24	15.81	15.60	16.07	16.74	17.19	18.76
	6H	12.77	13.17	13.91	14.32	15.88	15.96	16.36	17.10	17.50	19.07
	8H	12.77	13.14	13.92	14.28	15.86	16.06	16.44	17.21	17.57	19.15
	12H	12.73	13.07	13.89	14.22	15.80	16.11	16.45	17.27	17.60	19.18
8H	4H	13.10	13.47	14.24	14.61	16.19	15.71	16.08	16.86	17.22	18.80
	6H	13.35	13.66	14.52	14.84	16.41	16.14	16.45	17.31	17.63	19.21
	8H	13.39	13.66	14.56	14.82	16.42	16.30	16.56	17.47	17.72	19.32
	12H	13.37	13.61	14.54	14.76	16.39	16.39	16.63	17.56	17.78	19.41
12H	4H	13.10	13.43	14.26	14.58	16.17	15.67	16.01	16.83	17.16	18.74
	6H	13.41	13.68	14.58	14.84	16.43	16.14	16.41	17.31	17.57	19.16
	8H	13.47	13.71	14.65	14.86	16.49	16.30	16.53	17.47	17.69	19.32