

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: P935972

Luminaire Tested: SQ4-FA-150U-075D-935-1D-UNV-STD-W-8

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935972
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-935-1D-UNV-STD-W-8
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

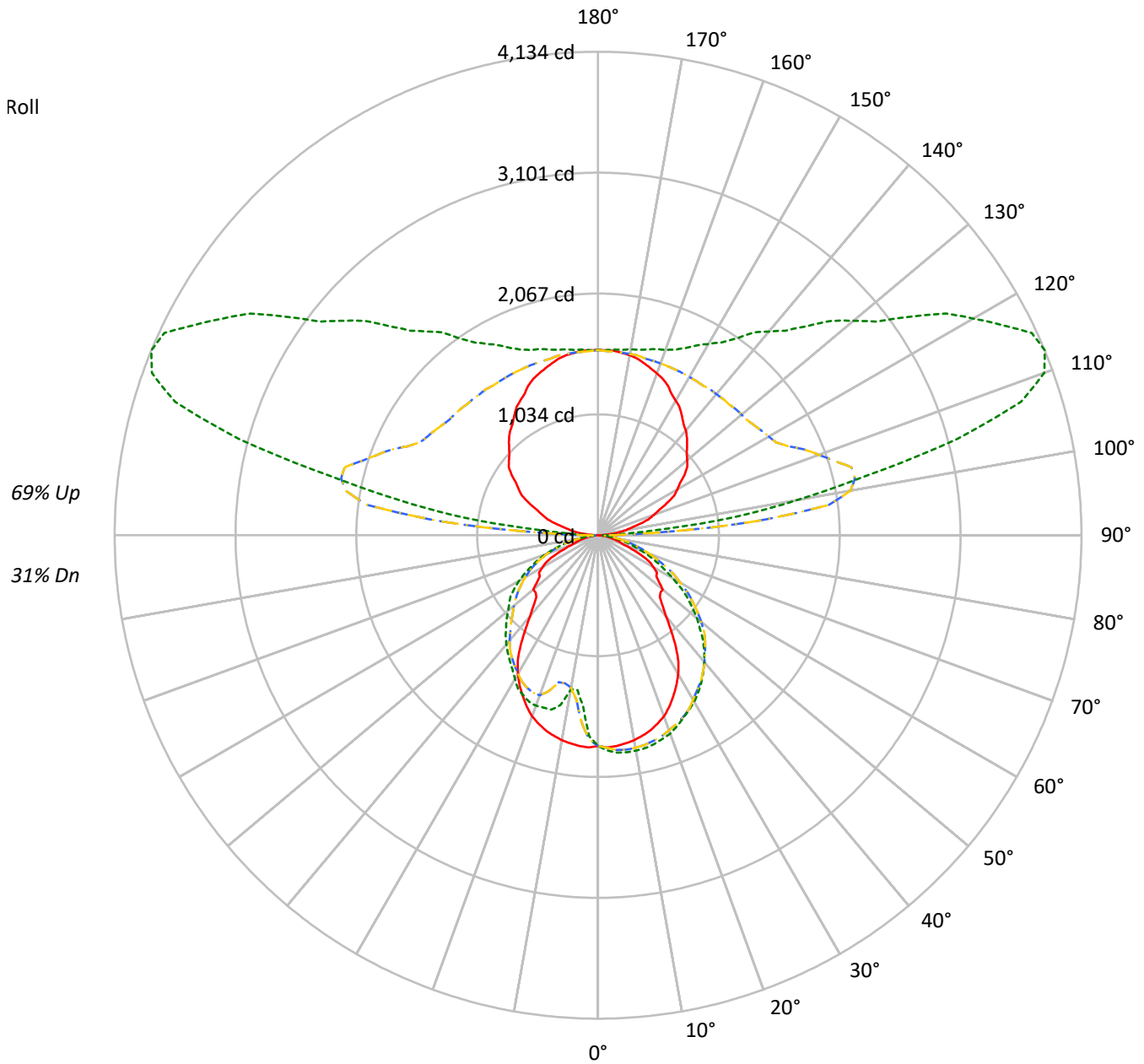
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14941.6 lumens
Efficiency: N/A
Efficacy: 117.5 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	0
RCR																		
0	103	103	103	103	92	92	92	92	73	73	73	55	55	55	39	39	39	31
1	94	89	86	82	84	81	77	75	64	62	60	49	47	46	34	34	33	26
2	85	78	72	67	76	70	65	61	56	52	49	43	40	38	30	29	28	22
3	78	69	61	56	70	62	56	51	49	45	42	38	35	32	27	25	24	19
4	71	61	53	47	64	55	48	43	44	39	35	33	30	28	24	22	20	16
5	65	54	46	40	58	49	42	37	39	34	30	30	27	24	22	19	18	14
6	60	48	40	35	54	44	37	32	35	30	26	27	23	21	19	17	15	12
7	55	43	36	30	49	39	33	28	32	27	23	24	21	18	18	15	14	11
8	51	39	32	27	46	36	29	24	29	24	20	22	19	16	16	14	12	10
9	47	36	28	23	43	32	26	22	26	21	18	20	17	14	15	13	11	9
10	44	33	26	21	40	30	23	19	24	19	16	19	15	13	14	12	10	8

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	8356	8356	8356	8356
5°	8419	8435	8419	6633
10°	8362	8309	8362	5940
15°	8271	8129	8271	6788
20°	8098	7916	8098	6802
25°	7744	7605	7744	6658
30°	7286	7347	7286	6341
35°	6496	7020	6496	5994
40°	5413	6635	5413	5731
45°	4837	6185	4837	5428
50°	5138	5648	5138	5126
55°	4834	5070	4834	4950
60°	4984	4306	4984	4534
65°	4518	3560	4518	3979
70°	3129	2837	3129	3335
75°	2744	2097	2744	2511
80°	2211	1387	2211	1510
85°	1272	735	1272	624

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 7412 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	162.6	1.1
10°-20°	461.6	3.1
20°-30°	713.5	4.8
30°-40°	851.8	5.7
40°-50°	856.8	5.7
50°-60°	745.6	5.0
60°-70°	528.6	3.5
70°-80°	279.7	1.9
80°-90°	75.7	0.5
90°-100°	771.9	5.2
100°-110°	2029.4	13.6
110°-120°	2104.3	14.1
120°-130°	1687.9	11.3
130°-140°	1324.4	8.9
140°-150°	1016.5	6.8
150°-160°	732.1	4.9
160°-170°	447.9	3.0
170°-180°	151.3	1.0
0°-30°	1337.7	9.0
0°-40°	2189.5	14.7
0°-60°	3791.9	25.4
0°-90°	4675.9	31.3
90°-120°	4905.6	32.8
90°-150°	8934.4	59.8
90°-180°	10266.0	68.7
0°-180°	14941.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1801	1801	1801	1801	1801	
5°	1810	1866	1810	1467	1810	172
15°	1728	1849	1728	1544	1728	486
25°	1522	1724	1522	1510	1522	699
35°	1157	1539	1157	1314	1157	716
45°	746	1268	746	1113	746	598
55°	608	936	608	913	608	559
65°	423	564	423	630	423	404
75°	160	268	160	320	160	168
85°	27	68	27	58	27	37
90°	11	40	11	40	11	10
95°	102	467	102	467	102	113
105°	366	3178	366	3178	366	388
115°	649	4092	649	4092	649	641
125°	903	3259	903	3259	903	802
135°	1077	2528	1077	2528	1077	833
145°	1249	2051	1249	2051	1249	782
155°	1411	1766	1411	1766	1411	648
165°	1523	1645	1523	1645	1523	430
175°	1584	1594	1584	1594	1584	150
180°	1584	1584	1584	1584	1584	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1801.0	1801.0	1801.0	1801.0	1801.0	1801.0	1801.0	1801.0	1801.0	1801.0	1801.0
2.5°	1816.4	1816.4	1826.6	1830.0	1830.0	1824.9	1819.8	1824.9	1840.2	1845.3	1843.6
5°	1809.6	1823.2	1841.9	1845.3	1848.8	1847.1	1843.6	1847.1	1864.1	1867.5	1869.2
7.5°	1795.9	1821.5	1845.3	1850.5	1855.6	1850.5	1848.8	1852.2	1869.2	1872.6	1872.6
10°	1778.9	1814.7	1841.9	1845.3	1850.5	1845.3	1845.3	1852.2	1869.2	1872.6	1874.3
12.5°	1755.0	1804.5	1830.0	1833.4	1840.2	1838.5	1836.8	1843.6	1860.7	1864.1	1864.1
15°	1727.8	1785.7	1809.6	1813.0	1824.9	1821.5	1821.5	1828.3	1847.1	1852.2	1850.5
17.5°	1690.3	1761.9	1789.1	1794.2	1802.7	1801.0	1802.7	1809.6	1826.6	1830.0	1831.7
20°	1647.7	1729.5	1761.9	1767.0	1775.5	1775.5	1775.5	1784.0	1801.0	1807.9	1807.9
22.5°	1589.7	1695.4	1729.5	1732.9	1743.1	1743.1	1746.5	1758.4	1773.8	1775.5	1775.5
25°	1521.6	1657.9	1686.9	1697.1	1707.3	1712.4	1717.5	1724.4	1729.5	1727.8	1729.5
27.5°	1450.0	1610.2	1647.7	1654.5	1668.1	1673.2	1680.1	1681.8	1683.5	1688.6	1685.2
30°	1369.9	1543.7	1600.0	1606.8	1628.9	1632.3	1625.5	1628.9	1637.5	1640.9	1644.3
32.5°	1279.6	1444.9	1550.6	1565.9	1586.3	1576.1	1574.4	1579.5	1593.2	1593.2	1596.6
35°	1156.9	1368.2	1504.5	1518.2	1533.5	1521.6	1528.4	1530.1	1538.6	1543.7	1542.0
37.5°	1022.3	1301.8	1456.8	1467.1	1479.0	1463.7	1473.9	1479.0	1485.8	1482.4	1482.4
40°	903.1	1197.8	1400.6	1407.4	1417.6	1405.7	1415.9	1419.3	1422.8	1419.3	1417.6
42.5°	814.5	1083.7	1341.0	1349.5	1342.7	1351.2	1354.6	1361.4	1356.3	1349.5	1349.5
45°	746.4	1053.0	1276.2	1286.4	1276.2	1289.8	1295.0	1295.0	1279.6	1276.2	1274.5
47.5°	724.2	991.7	1211.5	1211.5	1206.3	1223.4	1231.9	1220.0	1204.6	1199.5	1199.5
50°	722.5	923.6	1122.9	1116.0	1139.9	1160.3	1151.8	1139.9	1128.0	1109.2	1109.2
52.5°	656.0	840.1	1008.8	1034.2	1071.7	1083.7	1070.0	1058.1	1037.7	1029.1	1022.3
55°	608.3	753.2	904.8	955.9	995.1	1010.5	984.9	973.0	942.3	937.2	933.8
57.5°	598.1	627.1	809.4	874.2	921.9	920.2	904.8	882.7	857.1	852.0	850.3
60°	548.7	453.3	707.2	783.8	833.3	828.1	814.5	794.1	770.2	766.8	763.4
62.5°	497.6	328.9	591.3	678.2	748.1	746.4	734.4	703.8	686.7	678.2	671.4
65°	422.6	276.0	420.9	564.0	664.6	668.0	642.4	620.3	601.5	591.3	589.6
67.5°	322.1	224.9	284.6	470.3	584.5	581.1	548.7	538.5	514.6	509.5	499.3
70°	238.6	150.0	197.7	381.7	506.1	497.6	472.0	460.1	437.9	426.0	419.2
72.5°	197.7	121.0	144.8	296.5	426.0	415.8	393.6	380.0	361.2	351.0	344.2
75°	160.2	127.8	110.8	219.8	345.9	339.1	318.6	305.0	289.7	276.0	277.8
77.5°	117.6	119.3	88.6	161.9	274.3	264.1	252.2	235.2	228.3	214.7	214.7
80°	88.6	93.7	66.5	110.8	197.7	197.7	187.4	175.5	163.6	156.8	156.8
82.5°	59.6	59.6	49.4	69.9	134.6	129.5	122.7	119.3	112.5	109.1	109.1
85°	27.3	34.1	30.7	42.6	73.3	76.7	76.7	73.3	71.6	68.2	69.9
87.5°	8.5	15.3	18.7	23.9	37.5	39.2	40.9	40.9	40.9	42.6	42.6
90°	10.6	19.2	27.6	29.7	46.8	69.4	80.8	71.8	53.8	40.4	40.4
92.5°	42.5	114.8	187.1	205.2	288.4	399.4	454.9	398.7	286.3	201.9	193.9
95°	102.1	234.3	366.5	399.6	709.5	1122.9	1329.5	1186.4	900.2	685.5	661.2
97.5°	176.4	293.1	409.8	439.0	955.9	1645.0	1989.6	1899.1	1718.2	1582.5	1536.2
100°	233.8	339.6	445.4	471.9	1045.5	1810.2	2192.5	2199.2	2212.4	2222.3	2167.1
102.5°	282.7	381.4	480.1	504.8	1086.6	1862.1	2250.0	2365.2	2595.7	2768.6	2721.4
105°	365.6	449.2	532.8	553.7	1117.0	1868.0	2243.6	2502.0	3018.7	3406.3	3380.9
107.5°	450.6	528.6	606.5	626.0	1122.7	1784.9	2116.0	2476.4	3197.3	3737.9	3744.0
110°	508.0	578.4	648.8	666.3	1114.2	1711.2	2009.8	2412.7	3218.5	3822.9	3849.3



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	564.4	631.4	698.5	715.3	1114.5	1646.8	1913.0	2325.4	3150.1	3768.7	3809.3
115°	649.4	711.2	773.1	788.6	1124.8	1573.0	1797.2	2194.4	2988.9	3584.8	3641.1
117.5°	733.3	789.5	845.8	859.8	1145.7	1526.9	1717.5	2076.0	2793.0	3330.8	3393.3
120°	782.2	835.1	888.0	901.2	1162.7	1511.3	1685.6	2013.2	2668.4	3159.7	3220.4
122.5°	830.0	883.4	936.8	950.2	1187.2	1503.2	1661.1	1956.1	2546.1	2988.6	3048.5
125°	903.4	952.0	1000.7	1012.9	1220.1	1496.4	1634.6	1885.1	2386.3	2762.2	2817.3
127.5°	962.9	1012.0	1061.2	1073.4	1253.0	1492.5	1612.2	1827.4	2257.7	2580.5	2627.0
130°	994.8	1047.7	1100.6	1113.8	1277.1	1494.8	1603.7	1795.2	2178.4	2465.7	2508.7
132.5°	1027.8	1080.7	1133.6	1146.8	1296.7	1496.5	1596.3	1767.7	2110.7	2367.9	2406.4
135°	1076.6	1124.8	1173.0	1185.0	1317.9	1495.0	1583.5	1727.2	2014.4	2229.8	2262.9
137.5°	1126.6	1174.3	1221.9	1233.9	1349.7	1504.2	1581.5	1702.9	1945.6	2127.7	2154.9
140°	1168.0	1212.0	1255.8	1266.8	1369.2	1505.7	1574.0	1678.9	1888.6	2045.9	2071.3
142.5°	1199.9	1240.5	1281.2	1291.3	1385.5	1511.2	1574.0	1666.1	1850.3	1988.5	2010.3
145°	1248.8	1284.2	1319.7	1328.5	1406.8	1511.2	1563.3	1638.7	1789.4	1902.4	1919.0
147.5°	1297.7	1332.2	1366.7	1375.3	1438.0	1521.6	1563.3	1622.6	1741.1	1830.1	1843.8
150°	1329.5	1360.7	1391.9	1399.7	1454.2	1527.0	1563.3	1613.4	1713.5	1788.7	1799.8
152.5°	1362.5	1386.1	1409.8	1415.7	1464.9	1530.5	1563.3	1606.1	1691.6	1755.7	1764.1
155°	1411.4	1428.9	1446.4	1450.7	1488.3	1538.3	1563.3	1597.3	1665.4	1716.4	1722.0
157.5°	1447.5	1464.6	1481.5	1485.8	1511.6	1546.1	1563.3	1589.8	1642.7	1682.4	1686.4
160°	1472.0	1485.2	1498.4	1501.7	1522.3	1549.6	1563.3	1586.0	1631.4	1665.4	1667.6
162.5°	1496.5	1506.3	1516.3	1518.8	1533.6	1553.5	1563.3	1582.5	1620.8	1649.5	1651.6
165°	1523.0	1531.9	1540.9	1543.1	1549.9	1558.8	1563.3	1577.1	1604.5	1625.0	1627.2
167.5°	1547.4	1551.7	1555.9	1557.0	1562.7	1570.2	1574.0	1582.9	1600.9	1614.4	1615.3
170°	1563.3	1567.6	1571.9	1573.0	1573.3	1573.7	1574.0	1582.9	1600.9	1614.4	1614.4
172.5°	1571.9	1572.8	1573.7	1574.0	1574.0	1574.0	1574.0	1581.1	1595.2	1605.8	1605.0
175°	1583.5	1583.5	1583.5	1583.5	1580.4	1576.1	1574.0	1578.5	1587.4	1594.2	1594.2
177.5°	1583.5	1583.5	1583.5	1583.5	1581.1	1577.7	1576.1	1579.7	1586.8	1592.0	1591.1
180°	1583.5	1583.5	1583.5	1583.5	1583.5	1583.5	1583.5	1583.5	1583.5	1583.5	1583.5



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1801.0	1801.0	1801.0	1801.0	1801.0	1801.0	1801.0	1801.0	1801.0	1801.0	1801.0
2.5°	1847.1	1841.9	1847.1	1843.6	1845.3	1840.2	1824.9	1819.8	1824.9	1830.0	1830.0
5°	1869.2	1865.8	1869.2	1869.2	1867.5	1864.1	1847.1	1843.6	1847.1	1848.8	1845.3
7.5°	1876.0	1870.9	1876.0	1872.6	1872.6	1869.2	1852.2	1848.8	1850.5	1855.6	1850.5
10°	1876.0	1870.9	1876.0	1874.3	1872.6	1869.2	1852.2	1845.3	1845.3	1850.5	1845.3
12.5°	1867.5	1864.1	1867.5	1864.1	1864.1	1860.7	1843.6	1836.8	1838.5	1840.2	1833.4
15°	1853.9	1848.8	1853.9	1850.5	1852.2	1847.1	1828.3	1821.5	1821.5	1824.9	1813.0
17.5°	1833.4	1826.6	1833.4	1831.7	1830.0	1826.6	1809.6	1802.7	1801.0	1802.7	1794.2
20°	1809.6	1804.5	1809.6	1807.9	1807.9	1801.0	1784.0	1775.5	1775.5	1775.5	1767.0
22.5°	1772.1	1767.0	1772.1	1775.5	1775.5	1773.8	1758.4	1746.5	1743.1	1743.1	1732.9
25°	1729.5	1724.4	1729.5	1729.5	1727.8	1729.5	1724.4	1717.5	1712.4	1707.3	1697.1
27.5°	1688.6	1685.2	1688.6	1685.2	1688.6	1683.5	1681.8	1680.1	1673.2	1668.1	1654.5
30°	1647.7	1644.3	1647.7	1644.3	1640.9	1637.5	1628.9	1625.5	1632.3	1628.9	1606.8
32.5°	1596.6	1593.2	1596.6	1596.6	1593.2	1593.2	1579.5	1574.4	1576.1	1586.3	1565.9
35°	1543.7	1538.6	1543.7	1542.0	1543.7	1538.6	1530.1	1528.4	1521.6	1533.5	1518.2
37.5°	1482.4	1477.3	1482.4	1482.4	1482.4	1485.8	1479.0	1473.9	1463.7	1479.0	1467.1
40°	1419.3	1412.5	1419.3	1417.6	1419.3	1422.8	1419.3	1415.9	1405.7	1417.6	1407.4
42.5°	1347.8	1346.1	1347.8	1349.5	1349.5	1356.3	1361.4	1354.6	1351.2	1342.7	1349.5
45°	1271.1	1267.7	1271.1	1274.5	1276.2	1279.6	1295.0	1295.0	1289.8	1276.2	1286.4
47.5°	1189.3	1180.8	1189.3	1199.5	1199.5	1204.6	1220.0	1231.9	1223.4	1206.3	1211.5
50°	1102.4	1104.1	1102.4	1109.2	1109.2	1128.0	1139.9	1151.8	1160.3	1139.9	1116.0
52.5°	1017.2	1015.6	1017.2	1022.3	1029.1	1037.7	1058.1	1070.0	1083.7	1071.7	1034.2
55°	932.1	935.5	932.1	933.8	937.2	942.3	973.0	984.9	1010.5	995.1	955.9
57.5°	846.9	841.8	846.9	850.3	852.0	857.1	882.7	904.8	920.2	921.9	874.2
60°	748.1	741.2	748.1	763.4	766.8	770.2	794.1	814.5	828.1	833.3	783.8
62.5°	661.2	649.2	661.2	671.4	678.2	686.7	703.8	734.4	746.4	748.1	678.2
65°	569.1	564.0	569.1	589.6	591.3	601.5	620.3	642.4	668.0	664.6	564.0
67.5°	485.6	485.6	485.6	499.3	509.5	514.6	538.5	548.7	581.1	584.5	470.3
70°	409.0	407.3	409.0	419.2	426.0	437.9	460.1	472.0	497.6	506.1	381.7
72.5°	335.7	334.0	335.7	344.2	351.0	361.2	380.0	393.6	415.8	426.0	296.5
75°	270.9	267.5	270.9	277.8	276.0	289.7	305.0	318.6	339.1	345.9	219.8
77.5°	207.9	207.9	207.9	214.7	214.7	228.3	235.2	252.2	264.1	274.3	161.9
80°	155.1	153.4	155.1	156.8	156.8	163.6	175.5	187.4	197.7	197.7	110.8
82.5°	109.1	105.6	109.1	109.1	109.1	112.5	119.3	122.7	129.5	134.6	69.9
85°	68.2	68.2	68.2	69.9	68.2	71.6	73.3	76.7	76.7	73.3	42.6
87.5°	44.3	42.6	44.3	42.6	42.6	40.9	40.9	40.9	39.2	37.5	23.9
90°	40.4	40.4	40.4	40.4	40.4	53.8	71.8	80.8	69.4	46.8	29.7
92.5°	161.8	129.7	161.8	193.9	201.9	286.3	398.7	454.9	399.4	288.4	205.2
95°	563.9	466.6	563.9	661.2	685.5	900.2	1186.4	1329.5	1122.9	709.5	399.6
97.5°	1351.0	1165.9	1351.0	1536.2	1582.5	1718.2	1899.1	1989.6	1645.0	955.9	439.0
100°	1946.6	1726.0	1946.6	2167.1	2222.3	2212.4	2199.2	2192.5	1810.2	1045.5	471.9
102.5°	2532.4	2343.5	2532.4	2721.4	2768.6	2595.7	2365.2	2250.0	1862.1	1086.6	504.8
105°	3279.3	3177.8	3279.3	3380.9	3406.3	3018.7	2502.0	2243.6	1868.0	1117.0	553.7
107.5°	3768.6	3793.1	3768.6	3744.0	3737.9	3197.3	2476.4	2116.0	1784.9	1122.7	626.0
110°	3955.2	4061.0	3955.2	3849.3	3822.9	3218.5	2412.7	2009.8	1711.2	1114.2	666.3



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3971.8	4134.2	3971.8	3809.3	3768.7	3150.1	2325.4	1913.0	1646.8	1114.5	715.3
115°	3866.5	4091.7	3866.5	3641.1	3584.8	2988.9	2194.4	1797.2	1573.0	1124.8	788.6
117.5°	3643.2	3893.0	3643.2	3393.3	3330.8	2793.0	2076.0	1717.5	1526.9	1145.7	859.8
120°	3463.2	3705.9	3463.2	3220.4	3159.7	2668.4	2013.2	1685.6	1511.3	1162.7	901.2
122.5°	3288.0	3527.5	3288.0	3048.5	2988.6	2546.1	1956.1	1661.1	1503.2	1187.2	950.2
125°	3038.0	3258.6	3038.0	2817.3	2762.2	2386.3	1885.1	1634.6	1496.4	1220.1	1012.9
127.5°	2813.1	2999.2	2813.1	2627.0	2580.5	2257.7	1827.4	1612.2	1492.5	1253.0	1073.4
130°	2680.6	2852.6	2680.6	2508.7	2465.7	2178.4	1795.2	1603.7	1494.8	1277.1	1113.8
132.5°	2560.3	2714.4	2560.3	2406.4	2367.9	2110.7	1767.7	1596.3	1496.5	1296.7	1146.8
135°	2395.7	2528.4	2395.7	2262.9	2229.8	2014.4	1727.2	1583.5	1495.0	1317.9	1185.0
137.5°	2263.5	2372.1	2263.5	2154.9	2127.7	1945.6	1702.9	1581.5	1504.2	1349.7	1233.9
140°	2172.9	2274.4	2172.9	2071.3	2045.9	1888.6	1678.9	1574.0	1505.7	1369.2	1266.8
142.5°	2097.7	2185.1	2097.7	2010.3	1988.5	1850.3	1666.1	1574.0	1511.2	1385.5	1291.3
145°	1985.1	2051.2	1985.1	1919.0	1902.4	1789.4	1638.7	1563.3	1511.2	1406.8	1328.5
147.5°	1898.6	1953.4	1898.6	1843.8	1830.1	1741.1	1622.6	1563.3	1521.6	1438.0	1375.3
150°	1844.2	1888.6	1844.2	1799.8	1788.7	1713.5	1613.4	1563.3	1527.0	1454.2	1399.7
152.5°	1797.6	1831.2	1797.6	1764.1	1755.7	1691.6	1606.1	1563.3	1530.5	1464.9	1415.7
155°	1744.2	1766.4	1744.2	1722.0	1716.4	1665.4	1597.3	1563.3	1538.3	1488.3	1450.7
157.5°	1701.9	1717.5	1701.9	1686.4	1682.4	1642.7	1589.8	1563.3	1546.1	1511.6	1485.8
160°	1676.7	1685.6	1676.7	1667.6	1665.4	1631.4	1586.0	1563.3	1549.6	1522.3	1501.7
162.5°	1660.0	1668.6	1660.0	1651.6	1649.5	1620.8	1582.5	1563.3	1553.5	1533.6	1518.8
165°	1636.3	1645.2	1636.3	1627.2	1625.0	1604.5	1577.1	1563.3	1558.8	1549.9	1543.1
167.5°	1619.1	1622.9	1619.1	1615.3	1614.4	1600.9	1582.9	1574.0	1570.2	1562.7	1557.0
170°	1614.4	1614.4	1614.4	1614.4	1614.4	1600.9	1582.9	1574.0	1573.7	1573.3	1573.0
172.5°	1601.8	1598.4	1601.8	1605.0	1605.8	1595.2	1581.1	1574.0	1574.0	1574.0	1574.0
175°	1594.2	1594.2	1594.2	1594.2	1594.2	1587.4	1578.5	1574.0	1576.1	1580.4	1583.5
177.5°	1587.3	1583.5	1587.3	1591.1	1592.0	1586.8	1579.7	1576.1	1577.7	1581.1	1583.5
180°	1583.5	1583.5	1583.5	1583.5	1583.5	1583.5	1583.5	1583.5	1583.5	1583.5	1583.5



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1801.0	1801.0	1801.0	1801.0	1801.0	1801.0	1801.0	1801.0	1801.0	1801.0	1801.0
2.5°	1826.6	1816.4	1816.4	1799.3	1792.5	1787.4	1778.9	1753.3	1746.5	1739.7	1749.9
5°	1841.9	1823.2	1809.6	1778.9	1753.3	1743.1	1710.7	1649.4	1608.5	1577.8	1560.8
7.5°	1845.3	1821.5	1795.9	1748.2	1686.9	1659.6	1560.8	1448.3	1417.6	1390.4	1373.3
10°	1841.9	1814.7	1778.9	1707.3	1562.5	1514.8	1415.9	1342.7	1323.9	1318.8	1323.9
12.5°	1830.0	1804.5	1755.0	1635.8	1433.0	1400.6	1342.7	1300.1	1296.7	1305.2	1351.2
15°	1809.6	1785.7	1727.8	1540.3	1361.4	1337.6	1296.7	1281.3	1300.1	1359.7	1497.7
17.5°	1789.1	1761.9	1690.3	1446.6	1306.9	1289.8	1260.9	1291.5	1397.2	1477.3	1523.3
20°	1761.9	1729.5	1647.7	1378.5	1267.7	1252.4	1238.7	1376.7	1456.8	1485.8	1511.4
22.5°	1729.5	1695.4	1589.7	1330.7	1226.8	1214.9	1223.4	1424.5	1456.8	1477.3	1499.4
25°	1686.9	1657.9	1521.6	1293.3	1194.4	1180.8	1213.2	1419.3	1438.1	1443.2	1487.5
27.5°	1647.7	1610.2	1450.0	1259.2	1155.2	1150.1	1221.7	1397.2	1410.8	1415.9	1463.7
30°	1600.0	1543.7	1369.9	1223.4	1114.3	1112.6	1223.4	1369.9	1366.5	1380.2	1427.9
32.5°	1550.6	1444.9	1279.6	1179.1	1075.1	1073.4	1211.5	1329.0	1325.6	1344.4	1380.2
35°	1504.5	1368.2	1156.9	1128.0	1025.7	1027.4	1182.5	1281.3	1283.0	1300.1	1322.2
37.5°	1456.8	1301.8	1022.3	1071.7	978.1	978.1	1143.3	1237.0	1233.6	1238.7	1269.4
40°	1400.6	1197.8	903.1	998.5	933.8	928.7	1095.6	1189.3	1177.4	1175.7	1218.3
42.5°	1341.0	1083.7	814.5	901.4	882.7	875.9	1037.7	1131.4	1109.2	1114.3	1168.9
45°	1276.2	1053.0	746.4	761.7	829.8	824.7	974.7	1064.9	1049.6	1063.2	1119.4
47.5°	1211.5	991.7	724.2	632.2	773.6	771.9	904.8	1000.2	991.7	1005.4	1064.9
50°	1122.9	923.6	722.5	541.9	710.6	717.4	821.3	937.2	937.2	949.1	1012.2
52.5°	1008.8	840.1	656.0	490.8	637.3	657.7	748.1	882.7	886.1	898.0	954.2
55°	904.8	753.2	608.3	451.6	550.4	594.7	676.5	826.4	833.3	845.2	896.3
57.5°	809.4	627.1	598.1	405.6	470.3	512.9	613.4	771.9	775.3	785.5	835.0
60°	707.2	453.3	548.7	356.1	400.4	432.8	555.5	707.2	719.1	725.9	768.5
62.5°	591.3	328.9	497.6	322.1	366.4	373.2	507.8	645.8	661.2	666.3	691.8
65°	420.9	276.0	422.6	293.1	330.6	332.3	456.7	582.8	596.4	604.9	623.7
67.5°	284.6	224.9	322.1	265.8	303.3	305.0	407.3	509.5	528.2	535.1	547.0
70°	197.7	150.0	238.6	236.9	272.6	276.0	354.4	443.0	460.1	465.2	472.0
72.5°	144.8	121.0	197.7	213.0	240.3	243.7	299.9	368.1	385.1	390.2	393.6
75°	110.8	127.8	160.2	185.7	204.5	206.2	245.4	299.9	311.8	315.2	316.9
77.5°	88.6	119.3	117.6	150.0	167.0	163.6	192.6	231.7	242.0	242.0	242.0
80°	66.5	93.7	88.6	107.4	122.7	119.3	138.0	165.3	168.7	172.1	170.4
82.5°	49.4	59.6	59.6	68.2	81.8	78.4	92.0	107.4	107.4	107.4	110.8
85°	30.7	34.1	27.3	35.8	46.0	44.3	51.1	57.9	59.6	59.6	56.2
87.5°	18.7	15.3	8.5	13.6	20.4	20.4	23.9	25.6	23.9	23.9	23.9
90°	27.6	19.2	10.6	19.2	27.6	29.7	46.8	69.4	80.8	71.8	53.8
92.5°	187.1	114.8	42.5	114.8	187.1	205.2	288.4	399.4	454.9	398.7	286.3
95°	366.5	234.3	102.1	234.3	366.5	399.6	709.5	1122.9	1329.5	1186.4	900.2
97.5°	409.8	293.1	176.4	293.1	409.8	439.0	955.9	1645.0	1989.6	1899.1	1718.2
100°	445.4	339.6	233.8	339.6	445.4	471.9	1045.5	1810.2	2192.5	2199.2	2212.4
102.5°	480.1	381.4	282.7	381.4	480.1	504.8	1086.6	1862.1	2250.0	2365.2	2595.7
105°	532.8	449.2	365.6	449.2	532.8	553.7	1117.0	1868.0	2243.6	2502.0	3018.7
107.5°	606.5	528.6	450.6	528.6	606.5	626.0	1122.7	1784.9	2116.0	2476.4	3197.3
110°	648.8	578.4	508.0	578.4	648.8	666.3	1114.2	1711.2	2009.8	2412.7	3218.5



TEST NUMBER: P935972

CATALOG NUMBER: SQ4-FA-150U-075D-935-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	698.5	631.4	564.4	631.4	698.5	715.3	1114.5	1646.8	1913.0	2325.4	3150.1
115°	773.1	711.2	649.4	711.2	773.1	788.6	1124.8	1573.0	1797.2	2194.4	2988.9
117.5°	845.8	789.5	733.3	789.5	845.8	859.8	1145.7	1526.9	1717.5	2076.0	2793.0
120°	888.0	835.1	782.2	835.1	888.0	901.2	1162.7	1511.3	1685.6	2013.2	2668.4
122.5°	936.8	883.4	830.0	883.4	936.8	950.2	1187.2	1503.2	1661.1	1956.1	2546.1
125°	1000.7	952.0	903.4	952.0	1000.7	1012.9	1220.1	1496.4	1634.6	1885.1	2386.3
127.5°	1061.2	1012.0	962.9	1012.0	1061.2	1073.4	1253.0	1492.5	1612.2	1827.4	2257.7
130°	1100.6	1047.7	994.8	1047.7	1100.6	1113.8	1277.1	1494.8	1603.7	1795.2	2178.4
132.5°	1133.6	1080.7	1027.8	1080.7	1133.6	1146.8	1296.7	1496.5	1596.3	1767.7	2110.7
135°	1173.0	1124.8	1076.6	1124.8	1173.0	1185.0	1317.9	1495.0	1583.5	1727.2	2014.4
137.5°	1221.9	1174.3	1126.6	1174.3	1221.9	1233.9	1349.7	1504.2	1581.5	1702.9	1945.6
140°	1255.8	1212.0	1168.0	1212.0	1255.8	1266.8	1369.2	1505.7	1574.0	1678.9	1888.6
142.5°	1281.2	1240.5	1199.9	1240.5	1281.2	1291.3	1385.5	1511.2	1574.0	1666.1	1850.3
145°	1319.7	1284.2	1248.8	1284.2	1319.7	1328.5	1406.8	1511.2	1563.3	1638.7	1789.4
147.5°	1366.7	1332.2	1297.7	1332.2	1366.7	1375.3	1438.0	1521.6	1563.3	1622.6	1741.1
150°	1391.9	1360.7	1329.5	1360.7	1391.9	1399.7	1454.2	1527.0	1563.3	1613.4	1713.5
152.5°	1409.8	1386.1	1362.5	1386.1	1409.8	1415.7	1464.9	1530.5	1563.3	1606.1	1691.6
155°	1446.4	1428.9	1411.4	1428.9	1446.4	1450.7	1488.3	1538.3	1563.3	1597.3	1665.4
157.5°	1481.5	1464.6	1447.5	1464.6	1481.5	1485.8	1511.6	1546.1	1563.3	1589.8	1642.7
160°	1498.4	1485.2	1472.0	1485.2	1498.4	1501.7	1522.3	1549.6	1563.3	1586.0	1631.4
162.5°	1516.3	1506.3	1496.5	1506.3	1516.3	1518.8	1533.6	1553.5	1563.3	1582.5	1620.8
165°	1540.9	1531.9	1523.0	1531.9	1540.9	1543.1	1549.9	1558.8	1563.3	1577.1	1604.5
167.5°	1555.9	1551.7	1547.4	1551.7	1555.9	1557.0	1562.7	1570.2	1574.0	1582.9	1600.9
170°	1571.9	1567.6	1563.3	1567.6	1571.9	1573.0	1573.3	1573.7	1574.0	1582.9	1600.9
172.5°	1573.7	1572.8	1571.9	1572.8	1573.7	1574.0	1574.0	1574.0	1574.0	1581.1	1595.2
175°	1583.5	1583.5	1583.5	1583.5	1583.5	1583.5	1580.4	1576.1	1574.0	1578.5	1587.4
177.5°	1583.5	1583.5	1583.5	1583.5	1583.5	1583.5	1581.1	1577.7	1576.1	1579.7	1586.8
180°	1583.5	1583.5	1583.5	1583.5	1583.5	1583.5	1583.5	1583.5	1583.5	1583.5	1583.5



TEST NUMBER: P935972
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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1801.0	1801.0	1801.0	1801.0	1801.0	1801.0	1801.0	1801.0	1801.0	1801.0	1801.0
2.5°	1738.0	1732.9	1739.7	1721.0	1739.7	1732.9	1738.0	1749.9	1739.7	1746.5	1753.3
5°	1525.0	1516.5	1489.2	1467.1	1489.2	1516.5	1525.0	1560.8	1577.8	1608.5	1649.4
7.5°	1363.1	1356.3	1349.5	1335.9	1349.5	1356.3	1363.1	1373.3	1390.4	1417.6	1448.3
10°	1327.3	1329.0	1339.3	1337.6	1339.3	1329.0	1327.3	1323.9	1318.8	1323.9	1342.7
12.5°	1419.3	1434.7	1490.9	1487.5	1490.9	1434.7	1419.3	1351.2	1305.2	1296.7	1300.1
15°	1525.0	1530.1	1542.0	1543.7	1542.0	1530.1	1525.0	1497.7	1359.7	1300.1	1281.3
17.5°	1535.2	1536.9	1545.4	1545.4	1545.4	1536.9	1535.2	1523.3	1477.3	1397.2	1291.5
20°	1526.7	1530.1	1547.1	1550.6	1547.1	1530.1	1526.7	1511.4	1485.8	1456.8	1376.7
22.5°	1523.3	1530.1	1543.7	1542.0	1543.7	1530.1	1523.3	1499.4	1477.3	1456.8	1424.5
25°	1506.3	1506.3	1508.0	1509.7	1508.0	1506.3	1506.3	1487.5	1443.2	1438.1	1419.3
27.5°	1470.5	1473.9	1484.1	1482.4	1484.1	1473.9	1470.5	1463.7	1415.9	1410.8	1397.2
30°	1438.1	1434.7	1426.2	1419.3	1426.2	1434.7	1438.1	1427.9	1380.2	1366.5	1369.9
32.5°	1383.6	1375.0	1366.5	1361.4	1366.5	1375.0	1383.6	1380.2	1344.4	1325.6	1329.0
35°	1318.8	1320.5	1318.8	1313.7	1318.8	1320.5	1318.8	1322.2	1300.1	1283.0	1281.3
37.5°	1272.8	1276.2	1274.5	1267.7	1274.5	1276.2	1272.8	1269.4	1238.7	1233.6	1237.0
40°	1225.1	1226.8	1225.1	1220.0	1225.1	1226.8	1225.1	1218.3	1175.7	1177.4	1189.3
42.5°	1179.1	1177.4	1172.3	1168.9	1172.3	1177.4	1179.1	1168.9	1114.3	1109.2	1131.4
45°	1126.3	1128.0	1117.7	1112.6	1117.7	1128.0	1126.3	1119.4	1063.2	1049.6	1064.9
47.5°	1073.4	1073.4	1064.9	1059.8	1064.9	1073.4	1073.4	1064.9	1005.4	991.7	1000.2
50°	1017.2	1015.6	1003.7	1002.0	1003.7	1015.6	1017.2	1012.2	949.1	937.2	937.2
52.5°	952.5	952.5	954.2	957.6	954.2	952.5	952.5	954.2	898.0	886.1	882.7
55°	896.3	898.0	909.9	913.3	909.9	898.0	896.3	896.3	845.2	833.3	826.4
57.5°	838.4	838.4	846.9	846.9	846.9	838.4	838.4	835.0	785.5	775.3	771.9
60°	771.9	775.3	782.1	780.4	782.1	775.3	771.9	768.5	725.9	719.1	707.2
62.5°	702.0	705.5	707.2	703.8	707.2	705.5	702.0	691.8	666.3	661.2	645.8
65°	628.8	632.2	633.9	630.5	633.9	632.2	628.8	623.7	604.9	596.4	582.8
67.5°	553.8	552.1	550.4	557.2	550.4	552.1	553.8	547.0	535.1	528.2	509.5
70°	477.1	477.1	475.4	478.8	475.4	477.1	477.1	472.0	465.2	460.1	443.0
72.5°	395.3	393.6	400.4	395.3	400.4	393.6	395.3	393.6	390.2	385.1	368.1
75°	315.2	318.6	315.2	320.4	315.2	318.6	315.2	316.9	315.2	311.8	299.9
77.5°	240.3	243.7	240.3	240.3	240.3	243.7	240.3	242.0	242.0	242.0	231.7
80°	170.4	168.7	168.7	167.0	168.7	168.7	170.4	170.4	172.1	168.7	165.3
82.5°	109.1	107.4	107.4	110.8	107.4	107.4	109.1	110.8	107.4	107.4	107.4
85°	59.6	61.3	57.9	57.9	57.9	61.3	59.6	56.2	59.6	59.6	57.9
87.5°	22.2	20.4	20.4	20.4	20.4	20.4	22.2	23.9	23.9	23.9	25.6
90°	40.4	40.4	40.4	40.4	40.4	40.4	40.4	53.8	71.8	80.8	69.4
92.5°	201.9	193.9	161.8	129.7	161.8	193.9	201.9	286.3	398.7	454.9	399.4
95°	685.5	661.2	563.9	466.6	563.9	661.2	685.5	900.2	1186.4	1329.5	1122.9
97.5°	1582.5	1536.2	1351.0	1165.9	1351.0	1536.2	1582.5	1718.2	1899.1	1989.6	1645.0
100°	2222.3	2167.1	1946.6	1726.0	1946.6	2167.1	2222.3	2212.4	2199.2	2192.5	1810.2
102.5°	2768.6	2721.4	2532.4	2343.5	2532.4	2721.4	2768.6	2595.7	2365.2	2250.0	1862.1
105°	3406.3	3380.9	3279.3	3177.8	3279.3	3380.9	3406.3	3018.7	2502.0	2243.6	1868.0
107.5°	3737.9	3744.0	3768.6	3793.1	3768.6	3744.0	3737.9	3197.3	2476.4	2116.0	1784.9
110°	3822.9	3849.3	3955.2	4061.0	3955.2	3849.3	3822.9	3218.5	2412.7	2009.8	1711.2



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3768.7	3809.3	3971.8	4134.2	3971.8	3809.3	3768.7	3150.1	2325.4	1913.0	1646.8
115°	3584.8	3641.1	3866.5	4091.7	3866.5	3641.1	3584.8	2988.9	2194.4	1797.2	1573.0
117.5°	3330.8	3393.3	3643.2	3893.0	3643.2	3393.3	3330.8	2793.0	2076.0	1717.5	1526.9
120°	3159.7	3220.4	3463.2	3705.9	3463.2	3220.4	3159.7	2668.4	2013.2	1685.6	1511.3
122.5°	2988.6	3048.5	3288.0	3527.5	3288.0	3048.5	2988.6	2546.1	1956.1	1661.1	1503.2
125°	2762.2	2817.3	3038.0	3258.6	3038.0	2817.3	2762.2	2386.3	1885.1	1634.6	1496.4
127.5°	2580.5	2627.0	2813.1	2999.2	2813.1	2627.0	2580.5	2257.7	1827.4	1612.2	1492.5
130°	2465.7	2508.7	2680.6	2852.6	2680.6	2508.7	2465.7	2178.4	1795.2	1603.7	1494.8
132.5°	2367.9	2406.4	2560.3	2714.4	2560.3	2406.4	2367.9	2110.7	1767.7	1596.3	1496.5
135°	2229.8	2262.9	2395.7	2528.4	2395.7	2262.9	2229.8	2014.4	1727.2	1583.5	1495.0
137.5°	2127.7	2154.9	2263.5	2372.1	2263.5	2154.9	2127.7	1945.6	1702.9	1581.5	1504.2
140°	2045.9	2071.3	2172.9	2274.4	2172.9	2071.3	2045.9	1888.6	1678.9	1574.0	1505.7
142.5°	1988.5	2010.3	2097.7	2185.1	2097.7	2010.3	1988.5	1850.3	1666.1	1574.0	1511.2
145°	1902.4	1919.0	1985.1	2051.2	1985.1	1919.0	1902.4	1789.4	1638.7	1563.3	1511.2
147.5°	1830.1	1843.8	1898.6	1953.4	1898.6	1843.8	1830.1	1741.1	1622.6	1563.3	1521.6
150°	1788.7	1799.8	1844.2	1888.6	1844.2	1799.8	1788.7	1713.5	1613.4	1563.3	1527.0
152.5°	1755.7	1764.1	1797.6	1831.2	1797.6	1764.1	1755.7	1691.6	1606.1	1563.3	1530.5
155°	1716.4	1722.0	1744.2	1766.4	1744.2	1722.0	1716.4	1665.4	1597.3	1563.3	1538.3
157.5°	1682.4	1686.4	1701.9	1717.5	1701.9	1686.4	1682.4	1642.7	1589.8	1563.3	1546.1
160°	1665.4	1667.6	1676.7	1685.6	1676.7	1667.6	1665.4	1631.4	1586.0	1563.3	1549.6
162.5°	1649.5	1651.6	1660.0	1668.6	1660.0	1651.6	1649.5	1620.8	1582.5	1563.3	1553.5
165°	1625.0	1627.2	1636.3	1645.2	1636.3	1627.2	1625.0	1604.5	1577.1	1563.3	1558.8
167.5°	1614.4	1615.3	1619.1	1622.9	1619.1	1615.3	1614.4	1600.9	1582.9	1574.0	1570.2
170°	1614.4	1614.4	1614.4	1614.4	1614.4	1614.4	1614.4	1600.9	1582.9	1574.0	1573.7
172.5°	1605.8	1605.0	1601.8	1598.4	1601.8	1605.0	1605.8	1595.2	1581.1	1574.0	1574.0
175°	1594.2	1594.2	1594.2	1594.2	1594.2	1594.2	1594.2	1587.4	1578.5	1574.0	1576.1
177.5°	1592.0	1591.1	1587.3	1583.5	1587.3	1591.1	1592.0	1586.8	1579.7	1576.1	1577.7
180°	1583.5	1583.5	1583.5	1583.5	1583.5	1583.5	1583.5	1583.5	1583.5	1583.5	1583.5



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1801.0	1801.0	1801.0	1801.0	1801.0
2.5°	1778.9	1787.4	1792.5	1799.3	1816.4
5°	1710.7	1743.1	1753.3	1778.9	1809.6
7.5°	1560.8	1659.6	1686.9	1748.2	1795.9
10°	1415.9	1514.8	1562.5	1707.3	1778.9
12.5°	1342.7	1400.6	1433.0	1635.8	1755.0
15°	1296.7	1337.6	1361.4	1540.3	1727.8
17.5°	1260.9	1289.8	1306.9	1446.6	1690.3
20°	1238.7	1252.4	1267.7	1378.5	1647.7
22.5°	1223.4	1214.9	1226.8	1330.7	1589.7
25°	1213.2	1180.8	1194.4	1293.3	1521.6
27.5°	1221.7	1150.1	1155.2	1259.2	1450.0
30°	1223.4	1112.6	1114.3	1223.4	1369.9
32.5°	1211.5	1073.4	1075.1	1179.1	1279.6
35°	1182.5	1027.4	1025.7	1128.0	1156.9
37.5°	1143.3	978.1	978.1	1071.7	1022.3
40°	1095.6	928.7	933.8	998.5	903.1
42.5°	1037.7	875.9	882.7	901.4	814.5
45°	974.7	824.7	829.8	761.7	746.4
47.5°	904.8	771.9	773.6	632.2	724.2
50°	821.3	717.4	710.6	541.9	722.5
52.5°	748.1	657.7	637.3	490.8	656.0
55°	676.5	594.7	550.4	451.6	608.3
57.5°	613.4	512.9	470.3	405.6	598.1
60°	555.5	432.8	400.4	356.1	548.7
62.5°	507.8	373.2	366.4	322.1	497.6
65°	456.7	332.3	330.6	293.1	422.6
67.5°	407.3	305.0	303.3	265.8	322.1
70°	354.4	276.0	272.6	236.9	238.6
72.5°	299.9	243.7	240.3	213.0	197.7
75°	245.4	206.2	204.5	185.7	160.2
77.5°	192.6	163.6	167.0	150.0	117.6
80°	138.0	119.3	122.7	107.4	88.6
82.5°	92.0	78.4	81.8	68.2	59.6
85°	51.1	44.3	46.0	35.8	27.3
87.5°	23.9	20.4	20.4	13.6	8.5
90°	46.8	29.7	27.6	19.2	10.6
92.5°	288.4	205.2	187.1	114.8	42.5
95°	709.5	399.6	366.5	234.3	102.1
97.5°	955.9	439.0	409.8	293.1	176.4
100°	1045.5	471.9	445.4	339.6	233.8
102.5°	1086.6	504.8	480.1	381.4	282.7
105°	1117.0	553.7	532.8	449.2	365.6
107.5°	1122.7	626.0	606.5	528.6	450.6
110°	1114.2	666.3	648.8	578.4	508.0



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CATALOG NUMBER: SQ4-FA-150U-075D-935-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1114.5	715.3	698.5	631.4	564.4
115°	1124.8	788.6	773.1	711.2	649.4
117.5°	1145.7	859.8	845.8	789.5	733.3
120°	1162.7	901.2	888.0	835.1	782.2
122.5°	1187.2	950.2	936.8	883.4	830.0
125°	1220.1	1012.9	1000.7	952.0	903.4
127.5°	1253.0	1073.4	1061.2	1012.0	962.9
130°	1277.1	1113.8	1100.6	1047.7	994.8
132.5°	1296.7	1146.8	1133.6	1080.7	1027.8
135°	1317.9	1185.0	1173.0	1124.8	1076.6
137.5°	1349.7	1233.9	1221.9	1174.3	1126.6
140°	1369.2	1266.8	1255.8	1212.0	1168.0
142.5°	1385.5	1291.3	1281.2	1240.5	1199.9
145°	1406.8	1328.5	1319.7	1284.2	1248.8
147.5°	1438.0	1375.3	1366.7	1332.2	1297.7
150°	1454.2	1399.7	1391.9	1360.7	1329.5
152.5°	1464.9	1415.7	1409.8	1386.1	1362.5
155°	1488.3	1450.7	1446.4	1428.9	1411.4
157.5°	1511.6	1485.8	1481.5	1464.6	1447.5
160°	1522.3	1501.7	1498.4	1485.2	1472.0
162.5°	1533.6	1518.8	1516.3	1506.3	1496.5
165°	1549.9	1543.1	1540.9	1531.9	1523.0
167.5°	1562.7	1557.0	1555.9	1551.7	1547.4
170°	1573.3	1573.0	1571.9	1567.6	1563.3
172.5°	1574.0	1574.0	1573.7	1572.8	1571.9
175°	1580.4	1583.5	1583.5	1583.5	1583.5
177.5°	1581.1	1583.5	1583.5	1583.5	1583.5
180°	1583.5	1583.5	1583.5	1583.5	1583.5



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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	10.14	10.86	11.25	11.96	13.47	12.98	13.70	14.08	14.80	16.31
	3H	10.61	11.25	11.72	12.36	13.89	14.32	14.96	15.43	16.07	17.60
	4H	10.79	11.40	11.91	12.51	14.05	14.76	15.36	15.88	16.47	18.01
	6H	10.90	11.46	12.03	12.58	14.12	15.04	15.59	16.17	16.71	18.26
	8H	10.90	11.43	12.03	12.56	14.10	15.11	15.64	16.24	16.77	18.31
	12H	10.87	11.37	12.01	12.49	14.06	15.14	15.65	16.28	16.77	18.33
4H	2H	11.16	11.77	12.29	12.88	14.41	13.37	13.98	14.50	15.09	16.63
	3H	12.17	12.68	13.31	13.81	15.36	14.87	15.37	16.00	16.51	18.06
	4H	12.44	12.91	13.58	14.03	15.60	15.39	15.85	16.53	16.98	18.55
	6H	12.56	12.96	13.70	14.11	15.67	15.75	16.15	16.89	17.29	18.86
	8H	12.56	12.93	13.71	14.07	15.65	15.85	16.22	17.00	17.36	18.94
	12H	12.52	12.86	13.68	14.01	15.59	15.90	16.24	17.06	17.39	18.97
8H	4H	12.89	13.26	14.03	14.40	15.97	15.50	15.87	16.65	17.01	18.59
	6H	13.14	13.45	14.31	14.63	16.20	15.93	16.24	17.10	17.42	19.00
	8H	13.18	13.45	14.35	14.61	16.21	16.09	16.35	17.26	17.51	19.11
	12H	13.16	13.40	14.33	14.55	16.18	16.18	16.42	17.35	17.57	19.20
12H	4H	12.89	13.22	14.05	14.37	15.96	15.46	15.80	16.62	16.95	18.53
	6H	13.20	13.47	14.37	14.63	16.22	15.93	16.20	17.10	17.36	18.95
	8H	13.26	13.50	14.44	14.65	16.28	16.09	16.32	17.26	17.48	19.11