

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: P936015

Luminaire Tested: SQ4-FA-150U-100D-835-1D-UNV-STD-W-6

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P936015
REPORT IS A COMBINATION OF REPORTS P933779 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-150U-100D-835-1D-UNV-STD-W-6
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

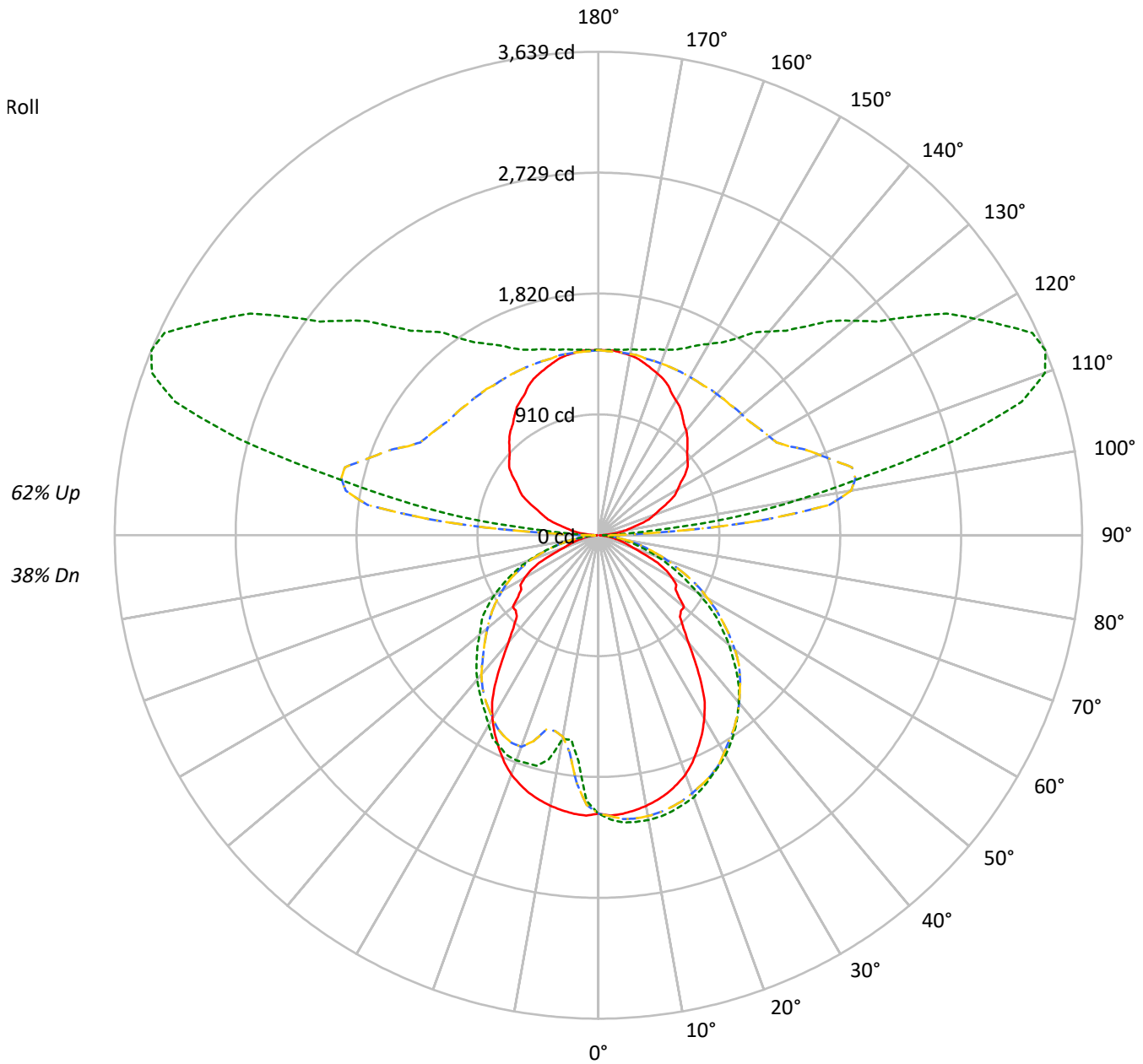
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14473.0 lumens
Efficiency: N/A
Efficacy: 133.3 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 6' x H: 0.1')
CIE Type: Semi-Indirect

Input Watts (W): 108.6
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				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	104	104	104	104	94	94	94	94	76	76	76	60	60	60	45	45	45	38				38
1	95	91	87	84	86	83	79	76	67	65	63	53	51	50	40	39	38	32				32
2	87	79	73	68	78	72	67	63	59	55	52	46	44	42	35	33	32	27				27
3	79	70	62	57	71	63	57	52	52	47	44	41	38	35	31	29	27	23				23
4	72	62	54	48	65	56	49	44	46	41	37	36	33	30	28	25	23	19				19
5	66	55	47	41	60	50	43	38	41	36	32	33	29	26	25	22	20	17				17
6	61	49	41	35	55	45	38	33	37	32	28	29	26	23	22	20	18	15				15
7	56	44	36	31	51	40	34	29	33	28	24	27	23	20	20	18	16	13				13
8	52	40	32	27	47	37	30	25	30	25	21	24	21	18	19	16	14	12				12
9	48	36	29	24	44	33	27	22	28	23	19	22	19	16	17	15	13	10				10
10	45	33	26	21	41	31	24	20	25	21	17	21	17	14	16	13	11	9				9

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	12958	12958	12958	12958
5°	13049	13080	13049	10285
10°	12958	12885	12958	9212
15°	12812	12605	12812	10526
20°	12539	12275	12539	10548
25°	11986	11793	11986	10324
30°	11273	11392	11273	9833
35°	10045	10885	10045	9294
40°	8365	10289	8365	8887
45°	7469	9591	7469	8418
50°	7929	8759	7929	7948
55°	7453	7862	7453	7676
60°	7673	6677	7673	7030
65°	6946	5519	6946	6170
70°	4798	4399	4798	5171
75°	4192	3251	4192	3894
80°	3352	2150	3352	2341
85°	1890	1139	1890	968

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 11455 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	189.1	1.3
10°-20°	536.8	3.7
20°-30°	829.9	5.7
30°-40°	990.7	6.8
40°-50°	996.5	6.9
50°-60°	867.1	6.0
60°-70°	614.8	4.2
70°-80°	325.2	2.2
80°-90°	86.3	0.6
90°-100°	679.5	4.7
100°-110°	1786.4	12.3
110°-120°	1852.3	12.8
120°-130°	1485.8	10.3
130°-140°	1165.8	8.1
140°-150°	894.8	6.2
150°-160°	644.4	4.5
160°-170°	394.3	2.7
170°-180°	133.2	0.9
0°-30°	1555.8	10.7
0°-40°	2546.5	17.6
0°-60°	4410.0	30.5
0°-90°	5436.3	37.6
90°-120°	4318.3	29.8
90°-150°	7864.8	54.3
90°-180°	9037.0	62.4
0°-180°	14473.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2095	2095	2095	2095	2095	
5°	2104	2170	2104	1706	2104	200
15°	2009	2150	2009	1795	2009	565
25°	1770	2006	1770	1756	1770	813
35°	1346	1789	1346	1528	1346	832
45°	868	1474	868	1294	868	695
55°	708	1088	708	1062	708	650
65°	492	656	492	733	492	470
75°	186	311	186	373	186	196
85°	32	79	32	67	32	43
90°	9	36	9	36	9	9
95°	90	411	90	411	90	100
105°	322	2797	322	2797	322	341
115°	572	3602	572	3602	572	565
125°	795	2868	795	2868	795	706
135°	948	2226	948	2226	948	733
145°	1099	1806	1099	1806	1099	689
155°	1242	1555	1242	1555	1242	571
165°	1341	1448	1341	1448	1341	378
175°	1394	1403	1394	1403	1394	132
180°	1394	1394	1394	1394	1394	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2094.6	2094.6	2094.6	2094.6	2094.6	2094.6	2094.6	2094.6	2094.6	2094.6	2094.6
2.5°	2112.5	2112.5	2124.4	2128.3	2128.3	2122.4	2116.4	2122.4	2140.2	2146.2	2144.2
5°	2104.5	2120.4	2142.2	2146.2	2150.1	2148.1	2144.2	2148.1	2167.9	2171.9	2173.9
7.5°	2088.7	2118.4	2146.2	2152.1	2158.0	2152.1	2150.1	2154.1	2173.9	2177.9	2177.9
10°	2068.9	2110.5	2142.2	2146.2	2152.1	2146.2	2146.2	2154.1	2173.9	2177.9	2179.8
12.5°	2041.1	2098.6	2128.3	2132.3	2140.2	2138.2	2136.2	2144.2	2164.0	2167.9	2167.9
15°	2009.4	2076.8	2104.5	2108.5	2122.4	2118.4	2118.4	2126.3	2148.1	2154.1	2152.1
17.5°	1965.8	2049.0	2080.8	2086.7	2096.6	2094.6	2096.6	2104.5	2124.4	2128.3	2130.3
20°	1916.3	2011.4	2049.0	2055.0	2064.9	2064.9	2064.9	2074.8	2094.6	2102.6	2102.6
22.5°	1848.9	1971.8	2011.4	2015.4	2027.3	2027.3	2031.2	2045.1	2062.9	2064.9	2064.9
25°	1769.6	1928.2	1961.9	1973.7	1985.6	1991.6	1997.5	2005.5	2011.4	2009.4	2011.4
27.5°	1686.4	1872.7	1916.3	1924.2	1940.1	1946.0	1953.9	1955.9	1957.9	1963.8	1959.9
30°	1593.3	1795.4	1860.8	1868.7	1894.5	1898.4	1890.5	1894.5	1904.4	1908.4	1912.3
32.5°	1488.2	1680.5	1803.3	1821.2	1844.9	1833.0	1831.1	1837.0	1852.9	1852.9	1856.8
35°	1345.6	1591.3	1749.8	1765.7	1783.5	1769.6	1777.6	1779.5	1789.4	1795.4	1793.4
37.5°	1189.0	1514.0	1694.3	1706.2	1720.1	1702.3	1714.1	1720.1	1728.0	1724.1	1724.1
40°	1050.3	1393.1	1628.9	1636.9	1648.8	1634.9	1646.8	1650.7	1654.7	1650.7	1648.8
42.5°	947.2	1260.3	1559.6	1569.5	1561.6	1571.5	1575.4	1583.4	1577.4	1569.5	1569.5
45°	868.0	1224.7	1484.3	1496.2	1484.3	1500.1	1506.1	1506.1	1488.2	1484.3	1482.3
47.5°	842.2	1153.3	1409.0	1409.0	1403.0	1422.8	1432.7	1418.9	1401.0	1395.1	1395.1
50°	840.2	1074.1	1305.9	1298.0	1325.7	1349.5	1339.6	1325.7	1311.9	1290.1	1290.1
52.5°	762.9	977.0	1173.1	1202.9	1246.5	1260.3	1244.5	1230.6	1206.8	1196.9	1189.0
55°	707.5	875.9	1052.3	1111.7	1157.3	1175.1	1145.4	1131.5	1095.9	1089.9	1086.0
57.5°	695.6	729.3	941.3	1016.6	1072.1	1070.1	1052.3	1026.5	996.8	990.8	988.9
60°	638.1	527.1	822.4	911.6	969.0	963.1	947.2	923.5	895.7	891.8	887.8
62.5°	578.6	382.5	687.6	788.7	870.0	868.0	854.1	818.4	798.6	788.7	780.8
65°	491.5	321.0	489.5	655.9	772.9	776.8	747.1	721.3	699.5	687.6	685.7
67.5°	374.5	261.6	330.9	546.9	679.7	675.8	638.1	626.2	598.5	592.5	580.6
70°	277.4	174.4	229.9	443.9	588.6	578.6	548.9	535.1	509.3	495.4	487.5
72.5°	229.9	140.7	168.4	344.8	495.4	483.5	457.8	441.9	420.1	408.2	400.3
75°	186.3	148.6	128.8	255.6	402.3	394.4	370.6	354.7	336.9	321.0	323.0
77.5°	136.7	138.7	103.0	188.3	319.0	307.2	293.3	273.5	265.5	249.7	249.7
80°	103.0	109.0	77.3	128.8	229.9	229.9	218.0	204.1	190.2	182.3	182.3
82.5°	69.4	69.4	57.5	81.2	156.6	150.6	142.7	138.7	130.8	126.8	126.8
85°	31.7	39.6	35.7	49.5	85.2	89.2	89.2	85.2	83.2	79.3	81.2
87.5°	9.9	17.8	21.8	27.7	43.6	45.6	47.6	47.6	47.6	49.5	49.5
90°	9.4	16.9	24.3	26.2	41.2	61.1	71.1	63.2	47.4	35.6	35.6
92.5°	37.4	101.0	164.7	180.6	253.9	351.6	400.4	350.9	252.0	177.8	170.7
95°	89.8	206.2	322.7	351.8	624.7	988.5	1170.4	1044.4	792.4	603.4	582.0
97.5°	155.3	258.0	360.7	386.4	841.4	1448.1	1751.4	1671.8	1512.5	1393.1	1352.3
100°	205.8	299.0	392.1	415.4	920.3	1593.5	1930.1	1935.9	1947.6	1956.3	1907.8
102.5°	248.9	335.8	422.7	444.4	956.5	1639.2	1980.6	2082.0	2284.9	2437.1	2395.5
105°	321.8	395.4	469.0	487.4	983.3	1644.4	1975.0	2202.4	2657.3	2998.5	2976.1
107.5°	396.7	465.3	533.9	551.0	988.2	1571.2	1862.7	2180.0	2814.5	3290.4	3295.8
110°	447.2	509.2	571.1	586.6	980.8	1506.3	1769.1	2123.8	2833.2	3365.2	3388.5



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	496.8	555.8	614.8	629.6	981.1	1449.7	1684.0	2047.0	2773.0	3317.5	3353.3
115°	571.6	626.1	680.6	694.2	990.1	1384.7	1582.0	1931.7	2631.1	3155.6	3205.2
117.5°	645.5	695.0	744.5	756.9	1008.6	1344.1	1511.9	1827.5	2458.6	2932.0	2987.0
120°	688.6	735.2	781.8	793.4	1023.5	1330.4	1483.8	1772.2	2348.9	2781.4	2834.8
122.5°	730.7	777.7	824.7	836.4	1045.0	1323.2	1462.3	1722.0	2241.3	2630.8	2683.5
125°	795.2	838.0	880.9	891.6	1074.0	1317.3	1438.9	1659.5	2100.6	2431.5	2480.0
127.5°	847.6	890.8	934.1	944.9	1103.0	1313.8	1419.2	1608.6	1987.4	2271.5	2312.5
130°	875.7	922.3	968.9	980.5	1124.3	1316.0	1411.8	1580.4	1917.6	2170.5	2208.3
132.5°	904.7	951.3	997.9	1009.5	1141.4	1317.3	1405.2	1556.1	1858.0	2084.4	2118.3
135°	947.7	990.1	1032.6	1043.2	1160.1	1316.0	1394.0	1520.4	1773.2	1962.8	1992.0
137.5°	991.7	1033.7	1075.7	1086.2	1188.2	1324.1	1392.1	1499.0	1712.7	1873.0	1896.9
140°	1028.2	1066.9	1105.5	1115.2	1205.3	1325.5	1385.6	1477.9	1662.5	1801.0	1823.3
142.5°	1056.2	1092.0	1127.8	1136.7	1219.7	1330.3	1385.6	1466.7	1628.8	1750.4	1769.6
145°	1099.3	1130.5	1161.7	1169.5	1238.4	1330.3	1376.2	1442.5	1575.2	1674.7	1689.2
147.5°	1142.3	1172.7	1203.0	1210.6	1265.8	1339.4	1376.2	1428.4	1532.7	1611.0	1623.1
150°	1170.4	1197.8	1225.2	1232.1	1280.1	1344.2	1376.2	1420.3	1508.4	1574.5	1584.3
152.5°	1199.4	1220.2	1241.0	1246.2	1289.5	1347.3	1376.2	1413.8	1489.1	1545.5	1552.9
155°	1242.4	1257.8	1273.2	1277.0	1310.1	1354.2	1376.2	1406.1	1466.0	1510.9	1515.8
157.5°	1274.2	1289.2	1304.2	1307.9	1330.7	1361.0	1376.2	1399.5	1446.1	1481.0	1484.4
160°	1295.8	1307.4	1319.0	1321.9	1340.0	1364.1	1376.2	1396.2	1436.1	1466.0	1468.0
162.5°	1317.3	1326.0	1334.7	1336.9	1350.0	1367.5	1376.2	1393.0	1426.7	1452.0	1453.9
165°	1340.7	1348.6	1356.4	1358.4	1364.3	1372.2	1376.2	1388.3	1412.4	1430.5	1432.5
167.5°	1362.2	1365.9	1369.7	1370.6	1375.6	1382.3	1385.6	1393.5	1409.3	1421.1	1421.9
170°	1376.2	1379.9	1383.7	1384.6	1384.9	1385.4	1385.6	1393.5	1409.3	1421.1	1421.1
172.5°	1383.7	1384.5	1385.4	1385.6	1385.6	1385.6	1385.6	1391.8	1404.3	1413.6	1412.9
175°	1394.0	1394.0	1394.0	1394.0	1391.2	1387.5	1385.6	1389.5	1397.4	1403.3	1403.3
177.5°	1394.0	1394.0	1394.0	1394.0	1391.8	1388.9	1387.4	1390.5	1396.8	1401.5	1400.7
180°	1394.0	1394.0	1394.0	1394.0	1394.0	1394.0	1394.0	1394.0	1394.0	1394.0	1394.0



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2094.6	2094.6	2094.6	2094.6	2094.6	2094.6	2094.6	2094.6	2094.6	2094.6	2094.6
2.5°	2148.1	2142.2	2148.1	2144.2	2146.2	2140.2	2122.4	2116.4	2122.4	2128.3	2128.3
5°	2173.9	2169.9	2173.9	2173.9	2171.9	2167.9	2148.1	2144.2	2148.1	2150.1	2146.2
7.5°	2181.8	2175.9	2181.8	2177.9	2177.9	2173.9	2154.1	2150.1	2152.1	2158.0	2152.1
10°	2181.8	2175.9	2181.8	2179.8	2177.9	2173.9	2154.1	2146.2	2146.2	2152.1	2146.2
12.5°	2171.9	2167.9	2171.9	2167.9	2167.9	2164.0	2144.2	2136.2	2138.2	2140.2	2132.3
15°	2156.1	2150.1	2156.1	2152.1	2154.1	2148.1	2126.3	2118.4	2118.4	2122.4	2108.5
17.5°	2132.3	2124.4	2132.3	2130.3	2128.3	2124.4	2104.5	2096.6	2094.6	2096.6	2086.7
20°	2104.5	2098.6	2104.5	2102.6	2102.6	2094.6	2074.8	2064.9	2064.9	2064.9	2055.0
22.5°	2060.9	2055.0	2060.9	2064.9	2064.9	2062.9	2045.1	2031.2	2027.3	2027.3	2015.4
25°	2011.4	2005.5	2011.4	2011.4	2009.4	2011.4	2005.5	1997.5	1991.6	1985.6	1973.7
27.5°	1963.8	1959.9	1963.8	1959.9	1963.8	1957.9	1955.9	1953.9	1946.0	1940.1	1924.2
30°	1916.3	1912.3	1916.3	1912.3	1908.4	1904.4	1894.5	1890.5	1898.4	1894.5	1868.7
32.5°	1856.8	1852.9	1856.8	1856.8	1852.9	1852.9	1837.0	1831.1	1833.0	1844.9	1821.2
35°	1795.4	1789.4	1795.4	1793.4	1795.4	1789.4	1779.5	1777.6	1769.6	1783.5	1765.7
37.5°	1724.1	1718.1	1724.1	1724.1	1724.1	1728.0	1720.1	1714.1	1702.3	1720.1	1706.2
40°	1650.7	1642.8	1650.7	1648.8	1650.7	1654.7	1650.7	1646.8	1634.9	1648.8	1636.9
42.5°	1567.5	1565.5	1567.5	1569.5	1569.5	1577.4	1583.4	1575.4	1571.5	1561.6	1569.5
45°	1478.3	1474.4	1478.3	1482.3	1484.3	1488.2	1506.1	1506.1	1500.1	1484.3	1496.2
47.5°	1383.2	1373.3	1383.2	1395.1	1395.1	1401.0	1418.9	1432.7	1422.8	1403.0	1409.0
50°	1282.1	1284.1	1282.1	1290.1	1290.1	1311.9	1325.7	1339.6	1349.5	1325.7	1298.0
52.5°	1183.1	1181.1	1183.1	1189.0	1196.9	1206.8	1230.6	1244.5	1260.3	1246.5	1202.9
55°	1084.0	1087.9	1084.0	1086.0	1089.9	1095.9	1131.5	1145.4	1175.1	1157.3	1111.7
57.5°	984.9	978.9	984.9	988.9	990.8	996.8	1026.5	1052.3	1070.1	1072.1	1016.6
60°	870.0	862.0	870.0	887.8	891.8	895.7	923.5	947.2	963.1	969.0	911.6
62.5°	768.9	755.0	768.9	780.8	788.7	798.6	818.4	854.1	868.0	870.0	788.7
65°	661.9	655.9	661.9	685.7	687.6	699.5	721.3	747.1	776.8	772.9	655.9
67.5°	564.8	564.8	564.8	580.6	592.5	598.5	626.2	638.1	675.8	679.7	546.9
70°	475.6	473.6	475.6	487.5	495.4	509.3	535.1	548.9	578.6	588.6	443.9
72.5°	390.4	388.4	390.4	400.3	408.2	420.1	441.9	457.8	483.5	495.4	344.8
75°	315.1	311.1	315.1	323.0	321.0	336.9	354.7	370.6	394.4	402.3	255.6
77.5°	241.8	241.8	241.8	249.7	249.7	265.5	273.5	293.3	307.2	319.0	188.3
80°	180.3	178.4	180.3	182.3	182.3	190.2	204.1	218.0	229.9	229.9	128.8
82.5°	126.8	122.9	126.8	126.8	126.8	130.8	138.7	142.7	150.6	156.6	81.2
85°	79.3	79.3	79.3	81.2	79.3	83.2	85.2	89.2	89.2	85.2	49.5
87.5°	51.5	49.5	51.5	49.5	49.5	47.6	47.6	47.6	45.6	43.6	27.7
90°	35.6	35.6	35.6	35.6	35.6	47.4	63.2	71.1	61.1	41.2	26.2
92.5°	142.4	114.1	142.4	170.7	177.8	252.0	350.9	400.4	351.6	253.9	180.6
95°	496.3	410.7	496.3	582.0	603.4	792.4	1044.4	1170.4	988.5	624.7	351.8
97.5°	1189.3	1026.3	1189.3	1352.3	1393.1	1512.5	1671.8	1751.4	1448.1	841.4	386.4
100°	1713.6	1519.4	1713.6	1907.8	1956.3	1947.6	1935.9	1930.1	1593.5	920.3	415.4
102.5°	2229.2	2062.9	2229.2	2395.5	2437.1	2284.9	2082.0	1980.6	1639.2	956.5	444.4
105°	2886.7	2797.3	2886.7	2976.1	2998.5	2657.3	2202.4	1975.0	1644.4	983.3	487.4
107.5°	3317.4	3339.0	3317.4	3295.8	3290.4	2814.5	2180.0	1862.7	1571.2	988.2	551.0
110°	3481.6	3574.8	3481.6	3388.5	3365.2	2833.2	2123.8	1769.1	1506.3	980.8	586.6



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3496.3	3639.3	3496.3	3353.3	3317.5	2773.0	2047.0	1684.0	1449.7	981.1	629.6
115°	3403.5	3601.9	3403.5	3205.2	3155.6	2631.1	1931.7	1582.0	1384.7	990.1	694.2
117.5°	3207.0	3427.0	3207.0	2987.0	2932.0	2458.6	1827.5	1511.9	1344.1	1008.6	756.9
120°	3048.6	3262.3	3048.6	2834.8	2781.4	2348.9	1772.2	1483.8	1330.4	1023.5	793.4
122.5°	2894.3	3105.1	2894.3	2683.5	2630.8	2241.3	1722.0	1462.3	1323.2	1045.0	836.4
125°	2674.2	2868.4	2674.2	2480.0	2431.5	2100.6	1659.5	1438.9	1317.3	1074.0	891.6
127.5°	2476.3	2640.2	2476.3	2312.5	2271.5	1987.4	1608.6	1419.2	1313.8	1103.0	944.9
130°	2359.7	2511.0	2359.7	2208.3	2170.5	1917.6	1580.4	1411.8	1316.0	1124.3	980.5
132.5°	2253.8	2389.4	2253.8	2118.3	2084.4	1858.0	1556.1	1405.2	1317.3	1141.4	1009.5
135°	2108.9	2225.7	2108.9	1992.0	1962.8	1773.2	1520.4	1394.0	1316.0	1160.1	1043.2
137.5°	1992.6	2088.2	1992.6	1896.9	1873.0	1712.7	1499.0	1392.1	1324.1	1188.2	1086.2
140°	1912.7	2002.1	1912.7	1823.3	1801.0	1662.5	1477.9	1385.6	1325.5	1205.3	1115.2
142.5°	1846.6	1923.5	1846.6	1769.6	1750.4	1628.8	1466.7	1385.6	1330.3	1219.7	1136.7
145°	1747.4	1805.6	1747.4	1689.2	1674.7	1575.2	1442.5	1376.2	1330.3	1238.4	1169.5
147.5°	1671.3	1719.6	1671.3	1623.1	1611.0	1532.7	1428.4	1376.2	1339.4	1265.8	1210.6
150°	1623.4	1662.5	1623.4	1584.3	1574.5	1508.4	1420.3	1376.2	1344.2	1280.1	1232.1
152.5°	1582.4	1612.0	1582.4	1552.9	1545.5	1489.1	1413.8	1376.2	1347.3	1289.5	1246.2
155°	1535.3	1554.9	1535.3	1515.8	1510.9	1466.0	1406.1	1376.2	1354.2	1310.1	1277.0
157.5°	1498.2	1511.9	1498.2	1484.4	1481.0	1446.1	1399.5	1376.2	1361.0	1330.7	1307.9
160°	1475.9	1483.8	1475.9	1468.0	1466.0	1436.1	1396.2	1376.2	1364.1	1340.0	1321.9
162.5°	1461.3	1468.8	1461.3	1453.9	1452.0	1426.7	1393.0	1376.2	1367.5	1350.0	1336.9
165°	1440.3	1448.2	1440.3	1432.5	1430.5	1412.4	1388.3	1376.2	1372.2	1364.3	1358.4
167.5°	1425.3	1428.6	1425.3	1421.9	1421.1	1409.3	1393.5	1385.6	1382.3	1375.6	1370.6
170°	1421.1	1421.1	1421.1	1421.1	1421.1	1409.3	1393.5	1385.6	1385.4	1384.9	1384.6
172.5°	1410.0	1407.1	1410.0	1412.9	1413.6	1404.3	1391.8	1385.6	1385.6	1385.6	1385.6
175°	1403.3	1403.3	1403.3	1403.3	1403.3	1397.4	1389.5	1385.6	1387.5	1391.2	1394.0
177.5°	1397.3	1394.0	1397.3	1400.7	1401.5	1396.8	1390.5	1387.4	1388.9	1391.8	1394.0
180°	1394.0	1394.0	1394.0	1394.0	1394.0	1394.0	1394.0	1394.0	1394.0	1394.0	1394.0



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2094.6	2094.6	2094.6	2094.6	2094.6	2094.6	2094.6	2094.6	2094.6	2094.6	2094.6
2.5°	2124.4	2112.5	2112.5	2092.6	2084.7	2078.8	2068.9	2039.1	2031.2	2023.3	2035.2
5°	2142.2	2120.4	2104.5	2068.9	2039.1	2027.3	1989.6	1918.3	1870.7	1835.0	1815.2
7.5°	2146.2	2118.4	2088.7	2033.2	1961.9	1930.1	1815.2	1684.4	1648.8	1617.0	1597.2
10°	2142.2	2110.5	2068.9	1985.6	1817.2	1761.7	1646.8	1561.6	1539.8	1533.8	1539.8
12.5°	2128.3	2098.6	2041.1	1902.4	1666.6	1628.9	1561.6	1512.0	1508.1	1518.0	1571.5
15°	2104.5	2076.8	2009.4	1791.4	1583.4	1555.6	1508.1	1490.2	1512.0	1581.4	1741.9
17.5°	2080.8	2049.0	1965.8	1682.4	1519.9	1500.1	1466.4	1502.1	1625.0	1718.1	1771.6
20°	2049.0	2011.4	1916.3	1603.2	1474.4	1456.5	1440.7	1601.2	1694.3	1728.0	1757.7
22.5°	2011.4	1971.8	1848.9	1547.7	1426.8	1412.9	1422.8	1656.7	1694.3	1718.1	1743.9
25°	1961.9	1928.2	1769.6	1504.1	1389.2	1373.3	1411.0	1650.7	1672.5	1678.5	1730.0
27.5°	1916.3	1872.7	1686.4	1464.5	1343.6	1337.6	1420.9	1625.0	1640.8	1646.8	1702.3
30°	1860.8	1795.4	1593.3	1422.8	1296.0	1294.0	1422.8	1593.3	1589.3	1605.2	1660.6
32.5°	1803.3	1680.5	1488.2	1371.3	1250.4	1248.5	1409.0	1545.7	1541.7	1563.5	1605.2
35°	1749.8	1591.3	1345.6	1311.9	1193.0	1194.9	1375.3	1490.2	1492.2	1512.0	1537.8
37.5°	1694.3	1514.0	1189.0	1246.5	1137.5	1137.5	1329.7	1438.7	1434.7	1440.7	1476.3
40°	1628.9	1393.1	1050.3	1161.3	1086.0	1080.0	1274.2	1383.2	1369.3	1367.4	1416.9
42.5°	1559.6	1260.3	947.2	1048.3	1026.5	1018.6	1206.8	1315.8	1290.1	1296.0	1359.4
45°	1484.3	1224.7	868.0	885.8	965.1	959.1	1133.5	1238.5	1220.7	1236.6	1302.0
47.5°	1409.0	1153.3	842.2	735.2	899.7	897.7	1052.3	1163.2	1153.3	1169.2	1238.5
50°	1305.9	1074.1	840.2	630.2	826.4	834.3	955.2	1089.9	1089.9	1103.8	1177.1
52.5°	1173.1	977.0	762.9	570.7	741.1	764.9	870.0	1026.5	1030.5	1044.3	1109.7
55°	1052.3	875.9	707.5	525.1	640.1	691.6	786.7	961.1	969.0	982.9	1042.4
57.5°	941.3	729.3	695.6	471.6	546.9	596.5	713.4	897.7	901.7	913.6	971.0
60°	822.4	527.1	638.1	414.2	465.7	503.3	646.0	822.4	836.3	844.2	893.7
62.5°	687.6	382.5	578.6	374.5	426.1	434.0	590.5	751.1	768.9	774.8	804.6
65°	489.5	321.0	491.5	340.8	384.4	386.4	531.1	677.7	693.6	703.5	725.3
67.5°	330.9	261.6	374.5	309.1	352.7	354.7	473.6	592.5	614.3	622.2	636.1
70°	229.9	174.4	277.4	275.5	317.1	321.0	412.2	515.2	535.1	541.0	548.9
72.5°	168.4	140.7	229.9	247.7	279.4	283.4	348.8	428.0	447.9	453.8	457.8
75°	128.8	148.6	186.3	216.0	237.8	239.8	285.4	348.8	362.6	366.6	368.6
77.5°	103.0	138.7	136.7	174.4	194.2	190.2	223.9	269.5	281.4	281.4	281.4
80°	77.3	109.0	103.0	124.8	142.7	138.7	160.5	192.2	196.2	200.1	198.2
82.5°	57.5	69.4	69.4	79.3	95.1	91.2	107.0	124.8	124.8	124.8	128.8
85°	35.7	39.6	31.7	41.6	53.5	51.5	59.5	67.4	69.4	69.4	65.4
87.5°	21.8	17.8	9.9	15.9	23.8	23.8	27.7	29.7	27.7	27.7	27.7
90°	24.3	16.9	9.4	16.9	24.3	26.2	41.2	61.1	71.1	63.2	47.4
92.5°	164.7	101.0	37.4	101.0	164.7	180.6	253.9	351.6	400.4	350.9	252.0
95°	322.7	206.2	89.8	206.2	322.7	351.8	624.7	988.5	1170.4	1044.4	792.4
97.5°	360.7	258.0	155.3	258.0	360.7	386.4	841.4	1448.1	1751.4	1671.8	1512.5
100°	392.1	299.0	205.8	299.0	392.1	415.4	920.3	1593.5	1930.1	1935.9	1947.6
102.5°	422.7	335.8	248.9	335.8	422.7	444.4	956.5	1639.2	1980.6	2082.0	2284.9
105°	469.0	395.4	321.8	395.4	469.0	487.4	983.3	1644.4	1975.0	2202.4	2657.3
107.5°	533.9	465.3	396.7	465.3	533.9	551.0	988.2	1571.2	1862.7	2180.0	2814.5
110°	571.1	509.2	447.2	509.2	571.1	586.6	980.8	1506.3	1769.1	2123.8	2833.2



TEST NUMBER: P936015

CATALOG NUMBER: SQ4-FA-150U-100D-835-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	614.8	555.8	496.8	555.8	614.8	629.6	981.1	1449.7	1684.0	2047.0	2773.0
115°	680.6	626.1	571.6	626.1	680.6	694.2	990.1	1384.7	1582.0	1931.7	2631.1
117.5°	744.5	695.0	645.5	695.0	744.5	756.9	1008.6	1344.1	1511.9	1827.5	2458.6
120°	781.8	735.2	688.6	735.2	781.8	793.4	1023.5	1330.4	1483.8	1772.2	2348.9
122.5°	824.7	777.7	730.7	777.7	824.7	836.4	1045.0	1323.2	1462.3	1722.0	2241.3
125°	880.9	838.0	795.2	838.0	880.9	891.6	1074.0	1317.3	1438.9	1659.5	2100.6
127.5°	934.1	890.8	847.6	890.8	934.1	944.9	1103.0	1313.8	1419.2	1608.6	1987.4
130°	968.9	922.3	875.7	922.3	968.9	980.5	1124.3	1316.0	1411.8	1580.4	1917.6
132.5°	997.9	951.3	904.7	951.3	997.9	1009.5	1141.4	1317.3	1405.2	1556.1	1858.0
135°	1032.6	990.1	947.7	990.1	1032.6	1043.2	1160.1	1316.0	1394.0	1520.4	1773.2
137.5°	1075.7	1033.7	991.7	1033.7	1075.7	1086.2	1188.2	1324.1	1392.1	1499.0	1712.7
140°	1105.5	1066.9	1028.2	1066.9	1105.5	1115.2	1205.3	1325.5	1385.6	1477.9	1662.5
142.5°	1127.8	1092.0	1056.2	1092.0	1127.8	1136.7	1219.7	1330.3	1385.6	1466.7	1628.8
145°	1161.7	1130.5	1099.3	1130.5	1161.7	1169.5	1238.4	1330.3	1376.2	1442.5	1575.2
147.5°	1203.0	1172.7	1142.3	1172.7	1203.0	1210.6	1265.8	1339.4	1376.2	1428.4	1532.7
150°	1225.2	1197.8	1170.4	1197.8	1225.2	1232.1	1280.1	1344.2	1376.2	1420.3	1508.4
152.5°	1241.0	1220.2	1199.4	1220.2	1241.0	1246.2	1289.5	1347.3	1376.2	1413.8	1489.1
155°	1273.2	1257.8	1242.4	1257.8	1273.2	1277.0	1310.1	1354.2	1376.2	1406.1	1466.0
157.5°	1304.2	1289.2	1274.2	1289.2	1304.2	1307.9	1330.7	1361.0	1376.2	1399.5	1446.1
160°	1319.0	1307.4	1295.8	1307.4	1319.0	1321.9	1340.0	1364.1	1376.2	1396.2	1436.1
162.5°	1334.7	1326.0	1317.3	1326.0	1334.7	1336.9	1350.0	1367.5	1376.2	1393.0	1426.7
165°	1356.4	1348.6	1340.7	1348.6	1356.4	1358.4	1364.3	1372.2	1376.2	1388.3	1412.4
167.5°	1369.7	1365.9	1362.2	1365.9	1369.7	1370.6	1375.6	1382.3	1385.6	1393.5	1409.3
170°	1383.7	1379.9	1376.2	1379.9	1383.7	1384.6	1384.9	1385.4	1385.6	1393.5	1409.3
172.5°	1385.4	1384.5	1383.7	1384.5	1385.4	1385.6	1385.6	1385.6	1385.6	1391.8	1404.3
175°	1394.0	1394.0	1394.0	1394.0	1394.0	1394.0	1391.2	1387.5	1385.6	1389.5	1397.4
177.5°	1394.0	1394.0	1394.0	1394.0	1394.0	1394.0	1391.8	1388.9	1387.4	1390.5	1396.8
180°	1394.0	1394.0	1394.0	1394.0	1394.0	1394.0	1394.0	1394.0	1394.0	1394.0	1394.0



TEST NUMBER: P936015
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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2094.6	2094.6	2094.6	2094.6	2094.6	2094.6	2094.6	2094.6	2094.6	2094.6	2094.6
2.5°	2021.3	2015.4	2023.3	2001.5	2023.3	2015.4	2021.3	2035.2	2023.3	2031.2	2039.1
5°	1773.6	1763.7	1732.0	1706.2	1732.0	1763.7	1773.6	1815.2	1835.0	1870.7	1918.3
7.5°	1585.3	1577.4	1569.5	1553.6	1569.5	1577.4	1585.3	1597.2	1617.0	1648.8	1684.4
10°	1543.7	1545.7	1557.6	1555.6	1557.6	1545.7	1543.7	1539.8	1533.8	1539.8	1561.6
12.5°	1650.7	1668.6	1734.0	1730.0	1734.0	1668.6	1650.7	1571.5	1518.0	1508.1	1512.0
15°	1773.6	1779.5	1793.4	1795.4	1793.4	1779.5	1773.6	1741.9	1581.4	1512.0	1490.2
17.5°	1785.5	1787.5	1797.4	1797.4	1797.4	1787.5	1785.5	1771.6	1718.1	1625.0	1502.1
20°	1775.6	1779.5	1799.4	1803.3	1799.4	1779.5	1775.6	1757.7	1728.0	1694.3	1601.2
22.5°	1771.6	1779.5	1795.4	1793.4	1795.4	1779.5	1771.6	1743.9	1718.1	1694.3	1656.7
25°	1751.8	1751.8	1753.8	1755.8	1753.8	1751.8	1751.8	1730.0	1678.5	1672.5	1650.7
27.5°	1710.2	1714.1	1726.0	1724.1	1726.0	1714.1	1710.2	1702.3	1646.8	1640.8	1625.0
30°	1672.5	1668.6	1658.7	1650.7	1658.7	1668.6	1672.5	1660.6	1605.2	1589.3	1593.3
32.5°	1609.1	1599.2	1589.3	1583.4	1589.3	1599.2	1609.1	1605.2	1563.5	1541.7	1545.7
35°	1533.8	1535.8	1533.8	1527.9	1533.8	1535.8	1533.8	1537.8	1512.0	1492.2	1490.2
37.5°	1480.3	1484.3	1482.3	1474.4	1482.3	1484.3	1480.3	1476.3	1440.7	1434.7	1438.7
40°	1424.8	1426.8	1424.8	1418.9	1424.8	1426.8	1424.8	1416.9	1367.4	1369.3	1383.2
42.5°	1371.3	1369.3	1363.4	1359.4	1363.4	1369.3	1371.3	1359.4	1296.0	1290.1	1315.8
45°	1309.9	1311.9	1300.0	1294.0	1300.0	1311.9	1309.9	1302.0	1236.6	1220.7	1238.5
47.5°	1248.5	1248.5	1238.5	1232.6	1238.5	1248.5	1248.5	1238.5	1169.2	1153.3	1163.2
50°	1183.1	1181.1	1167.2	1165.2	1167.2	1181.1	1183.1	1177.1	1103.8	1089.9	1089.9
52.5°	1107.8	1107.8	1109.7	1113.7	1109.7	1107.8	1107.8	1109.7	1044.3	1030.5	1026.5
55°	1042.4	1044.3	1058.2	1062.2	1058.2	1044.3	1042.4	1042.4	982.9	969.0	961.1
57.5°	975.0	975.0	984.9	984.9	984.9	975.0	975.0	971.0	913.6	901.7	897.7
60°	897.7	901.7	909.6	907.6	909.6	901.7	897.7	893.7	844.2	836.3	822.4
62.5°	816.4	820.4	822.4	818.4	822.4	820.4	816.4	804.6	774.8	768.9	751.1
65°	731.2	735.2	737.2	733.2	737.2	735.2	731.2	725.3	703.5	693.6	677.7
67.5°	644.0	642.1	640.1	648.0	640.1	642.1	644.0	636.1	622.2	614.3	592.5
70°	554.9	554.9	552.9	556.8	552.9	554.9	554.9	548.9	541.0	535.1	515.2
72.5°	459.7	457.8	465.7	459.7	465.7	457.8	459.7	457.8	453.8	447.9	428.0
75°	366.6	370.6	366.6	372.6	366.6	370.6	366.6	368.6	366.6	362.6	348.8
77.5°	279.4	283.4	279.4	279.4	279.4	283.4	279.4	281.4	281.4	281.4	269.5
80°	198.2	196.2	196.2	194.2	196.2	196.2	198.2	198.2	200.1	196.2	192.2
82.5°	126.8	124.8	124.8	128.8	124.8	124.8	126.8	128.8	124.8	124.8	124.8
85°	69.4	71.3	67.4	67.4	67.4	71.3	69.4	65.4	69.4	69.4	67.4
87.5°	25.8	23.8	23.8	23.8	23.8	23.8	25.8	27.7	27.7	27.7	29.7
90°	35.6	35.6	35.6	35.6	35.6	35.6	35.6	47.4	63.2	71.1	61.1
92.5°	177.8	170.7	142.4	114.1	142.4	170.7	177.8	252.0	350.9	400.4	351.6
95°	603.4	582.0	496.3	410.7	496.3	582.0	603.4	792.4	1044.4	1170.4	988.5
97.5°	1393.1	1352.3	1189.3	1026.3	1189.3	1352.3	1393.1	1512.5	1671.8	1751.4	1448.1
100°	1956.3	1907.8	1713.6	1519.4	1713.6	1907.8	1956.3	1947.6	1935.9	1930.1	1593.5
102.5°	2437.1	2395.5	2229.2	2062.9	2229.2	2395.5	2437.1	2284.9	2082.0	1980.6	1639.2
105°	2998.5	2976.1	2886.7	2797.3	2886.7	2976.1	2998.5	2657.3	2202.4	1975.0	1644.4
107.5°	3290.4	3295.8	3317.4	3339.0	3317.4	3295.8	3290.4	2814.5	2180.0	1862.7	1571.2
110°	3365.2	3388.5	3481.6	3574.8	3481.6	3388.5	3365.2	2833.2	2123.8	1769.1	1506.3



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3317.5	3353.3	3496.3	3639.3	3496.3	3353.3	3317.5	2773.0	2047.0	1684.0	1449.7
115°	3155.6	3205.2	3403.5	3601.9	3403.5	3205.2	3155.6	2631.1	1931.7	1582.0	1384.7
117.5°	2932.0	2987.0	3207.0	3427.0	3207.0	2987.0	2932.0	2458.6	1827.5	1511.9	1344.1
120°	2781.4	2834.8	3048.6	3262.3	3048.6	2834.8	2781.4	2348.9	1772.2	1483.8	1330.4
122.5°	2630.8	2683.5	2894.3	3105.1	2894.3	2683.5	2630.8	2241.3	1722.0	1462.3	1323.2
125°	2431.5	2480.0	2674.2	2868.4	2674.2	2480.0	2431.5	2100.6	1659.5	1438.9	1317.3
127.5°	2271.5	2312.5	2476.3	2640.2	2476.3	2312.5	2271.5	1987.4	1608.6	1419.2	1313.8
130°	2170.5	2208.3	2359.7	2511.0	2359.7	2208.3	2170.5	1917.6	1580.4	1411.8	1316.0
132.5°	2084.4	2118.3	2253.8	2389.4	2253.8	2118.3	2084.4	1858.0	1556.1	1405.2	1317.3
135°	1962.8	1992.0	2108.9	2225.7	2108.9	1992.0	1962.8	1773.2	1520.4	1394.0	1316.0
137.5°	1873.0	1896.9	1992.6	2088.2	1992.6	1896.9	1873.0	1712.7	1499.0	1392.1	1324.1
140°	1801.0	1823.3	1912.7	2002.1	1912.7	1823.3	1801.0	1662.5	1477.9	1385.6	1325.5
142.5°	1750.4	1769.6	1846.6	1923.5	1846.6	1769.6	1750.4	1628.8	1466.7	1385.6	1330.3
145°	1674.7	1689.2	1747.4	1805.6	1747.4	1689.2	1674.7	1575.2	1442.5	1376.2	1330.3
147.5°	1611.0	1623.1	1671.3	1719.6	1671.3	1623.1	1611.0	1532.7	1428.4	1376.2	1339.4
150°	1574.5	1584.3	1623.4	1662.5	1623.4	1584.3	1574.5	1508.4	1420.3	1376.2	1344.2
152.5°	1545.5	1552.9	1582.4	1612.0	1582.4	1552.9	1545.5	1489.1	1413.8	1376.2	1347.3
155°	1510.9	1515.8	1535.3	1554.9	1535.3	1515.8	1510.9	1466.0	1406.1	1376.2	1354.2
157.5°	1481.0	1484.4	1498.2	1511.9	1498.2	1484.4	1481.0	1446.1	1399.5	1376.2	1361.0
160°	1466.0	1468.0	1475.9	1483.8	1475.9	1468.0	1466.0	1436.1	1396.2	1376.2	1364.1
162.5°	1452.0	1453.9	1461.3	1468.8	1461.3	1453.9	1452.0	1426.7	1393.0	1376.2	1367.5
165°	1430.5	1432.5	1440.3	1448.2	1440.3	1432.5	1430.5	1412.4	1388.3	1376.2	1372.2
167.5°	1421.1	1421.9	1425.3	1428.6	1425.3	1421.9	1421.1	1409.3	1393.5	1385.6	1382.3
170°	1421.1	1421.1	1421.1	1421.1	1421.1	1421.1	1421.1	1409.3	1393.5	1385.6	1385.4
172.5°	1413.6	1412.9	1410.0	1407.1	1410.0	1412.9	1413.6	1404.3	1391.8	1385.6	1385.6
175°	1403.3	1403.3	1403.3	1403.3	1403.3	1403.3	1403.3	1397.4	1389.5	1385.6	1387.5
177.5°	1401.5	1400.7	1397.3	1394.0	1397.3	1400.7	1401.5	1396.8	1390.5	1387.4	1388.9
180°	1394.0	1394.0	1394.0	1394.0	1394.0	1394.0	1394.0	1394.0	1394.0	1394.0	1394.0



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	2094.6	2094.6	2094.6	2094.6	2094.6
2.5°	2068.9	2078.8	2084.7	2092.6	2112.5
5°	1989.6	2027.3	2039.1	2068.9	2104.5
7.5°	1815.2	1930.1	1961.9	2033.2	2088.7
10°	1646.8	1761.7	1817.2	1985.6	2068.9
12.5°	1561.6	1628.9	1666.6	1902.4	2041.1
15°	1508.1	1555.6	1583.4	1791.4	2009.4
17.5°	1466.4	1500.1	1519.9	1682.4	1965.8
20°	1440.7	1456.5	1474.4	1603.2	1916.3
22.5°	1422.8	1412.9	1426.8	1547.7	1848.9
25°	1411.0	1373.3	1389.2	1504.1	1769.6
27.5°	1420.9	1337.6	1343.6	1464.5	1686.4
30°	1422.8	1294.0	1296.0	1422.8	1593.3
32.5°	1409.0	1248.5	1250.4	1371.3	1488.2
35°	1375.3	1194.9	1193.0	1311.9	1345.6
37.5°	1329.7	1137.5	1137.5	1246.5	1189.0
40°	1274.2	1080.0	1086.0	1161.3	1050.3
42.5°	1206.8	1018.6	1026.5	1048.3	947.2
45°	1133.5	959.1	965.1	885.8	868.0
47.5°	1052.3	897.7	899.7	735.2	842.2
50°	955.2	834.3	826.4	630.2	840.2
52.5°	870.0	764.9	741.1	570.7	762.9
55°	786.7	691.6	640.1	525.1	707.5
57.5°	713.4	596.5	546.9	471.6	695.6
60°	646.0	503.3	465.7	414.2	638.1
62.5°	590.5	434.0	426.1	374.5	578.6
65°	531.1	386.4	384.4	340.8	491.5
67.5°	473.6	354.7	352.7	309.1	374.5
70°	412.2	321.0	317.1	275.5	277.4
72.5°	348.8	283.4	279.4	247.7	229.9
75°	285.4	239.8	237.8	216.0	186.3
77.5°	223.9	190.2	194.2	174.4	136.7
80°	160.5	138.7	142.7	124.8	103.0
82.5°	107.0	91.2	95.1	79.3	69.4
85°	59.5	51.5	53.5	41.6	31.7
87.5°	27.7	23.8	23.8	15.9	9.9
90°	41.2	26.2	24.3	16.9	9.4
92.5°	253.9	180.6	164.7	101.0	37.4
95°	624.7	351.8	322.7	206.2	89.8
97.5°	841.4	386.4	360.7	258.0	155.3
100°	920.3	415.4	392.1	299.0	205.8
102.5°	956.5	444.4	422.7	335.8	248.9
105°	983.3	487.4	469.0	395.4	321.8
107.5°	988.2	551.0	533.9	465.3	396.7
110°	980.8	586.6	571.1	509.2	447.2



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CATALOG NUMBER: SQ4-FA-150U-100D-835-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	981.1	629.6	614.8	555.8	496.8
115°	990.1	694.2	680.6	626.1	571.6
117.5°	1008.6	756.9	744.5	695.0	645.5
120°	1023.5	793.4	781.8	735.2	688.6
122.5°	1045.0	836.4	824.7	777.7	730.7
125°	1074.0	891.6	880.9	838.0	795.2
127.5°	1103.0	944.9	934.1	890.8	847.6
130°	1124.3	980.5	968.9	922.3	875.7
132.5°	1141.4	1009.5	997.9	951.3	904.7
135°	1160.1	1043.2	1032.6	990.1	947.7
137.5°	1188.2	1086.2	1075.7	1033.7	991.7
140°	1205.3	1115.2	1105.5	1066.9	1028.2
142.5°	1219.7	1136.7	1127.8	1092.0	1056.2
145°	1238.4	1169.5	1161.7	1130.5	1099.3
147.5°	1265.8	1210.6	1203.0	1172.7	1142.3
150°	1280.1	1232.1	1225.2	1197.8	1170.4
152.5°	1289.5	1246.2	1241.0	1220.2	1199.4
155°	1310.1	1277.0	1273.2	1257.8	1242.4
157.5°	1330.7	1307.9	1304.2	1289.2	1274.2
160°	1340.0	1321.9	1319.0	1307.4	1295.8
162.5°	1350.0	1336.9	1334.7	1326.0	1317.3
165°	1364.3	1358.4	1356.4	1348.6	1340.7
167.5°	1375.6	1370.6	1369.7	1365.9	1362.2
170°	1384.9	1384.6	1383.7	1379.9	1376.2
172.5°	1385.6	1385.6	1385.4	1384.5	1383.7
175°	1391.2	1394.0	1394.0	1394.0	1394.0
177.5°	1391.8	1394.0	1394.0	1394.0	1394.0
180°	1394.0	1394.0	1394.0	1394.0	1394.0



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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	12.43	13.19	13.49	14.25	15.69	15.25	16.01	16.31	17.07	18.51
	3H	12.90	13.58	13.97	14.65	16.11	16.59	17.27	17.66	18.34	19.80
	4H	13.09	13.73	14.16	14.80	16.27	17.03	17.67	18.11	18.74	20.21
	6H	13.20	13.79	14.29	14.87	16.34	17.31	17.90	18.39	18.98	20.45
	8H	13.20	13.76	14.29	14.85	16.32	17.38	17.94	18.47	19.03	20.50
	12H	13.17	13.70	14.26	14.79	16.28	17.41	17.95	18.51	19.03	20.53
4H	2H	13.45	14.09	14.53	15.16	16.63	15.65	16.30	16.74	17.37	18.83
	3H	14.47	15.00	15.56	16.10	17.58	17.15	17.68	18.24	18.78	20.26
	4H	14.74	15.23	15.84	16.32	17.82	17.67	18.16	18.77	19.25	20.75
	6H	14.86	15.28	15.96	16.39	17.88	18.03	18.45	19.13	19.56	21.05
	8H	14.86	15.26	15.97	16.36	17.87	18.13	18.52	19.23	19.63	21.14
	12H	14.82	15.18	15.95	16.30	17.81	18.18	18.54	19.30	19.65	21.17
8H	4H	15.18	15.58	16.29	16.68	18.19	17.78	18.18	18.89	19.28	20.79
	6H	15.44	15.77	16.57	16.91	18.41	18.22	18.54	19.34	19.69	21.19
	8H	15.48	15.77	16.61	16.89	18.42	18.37	18.65	19.50	19.78	21.30
	12H	15.46	15.71	16.60	16.83	18.40	18.46	18.71	19.60	19.83	21.39
12H	4H	15.18	15.54	16.31	16.66	18.17	17.74	18.10	18.87	19.22	20.73
	6H	15.50	15.79	16.63	16.91	18.44	18.21	18.50	19.35	19.62	21.15
	8H	15.56	15.81	16.70	16.94	18.50	18.37	18.62	19.50	19.74	21.30