

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: P936099

Luminaire Tested: SQ4-FA-150U-100D-B35-1D-UNV-STD-W-6

Issue Date: 12/17/2024

**Test Information**

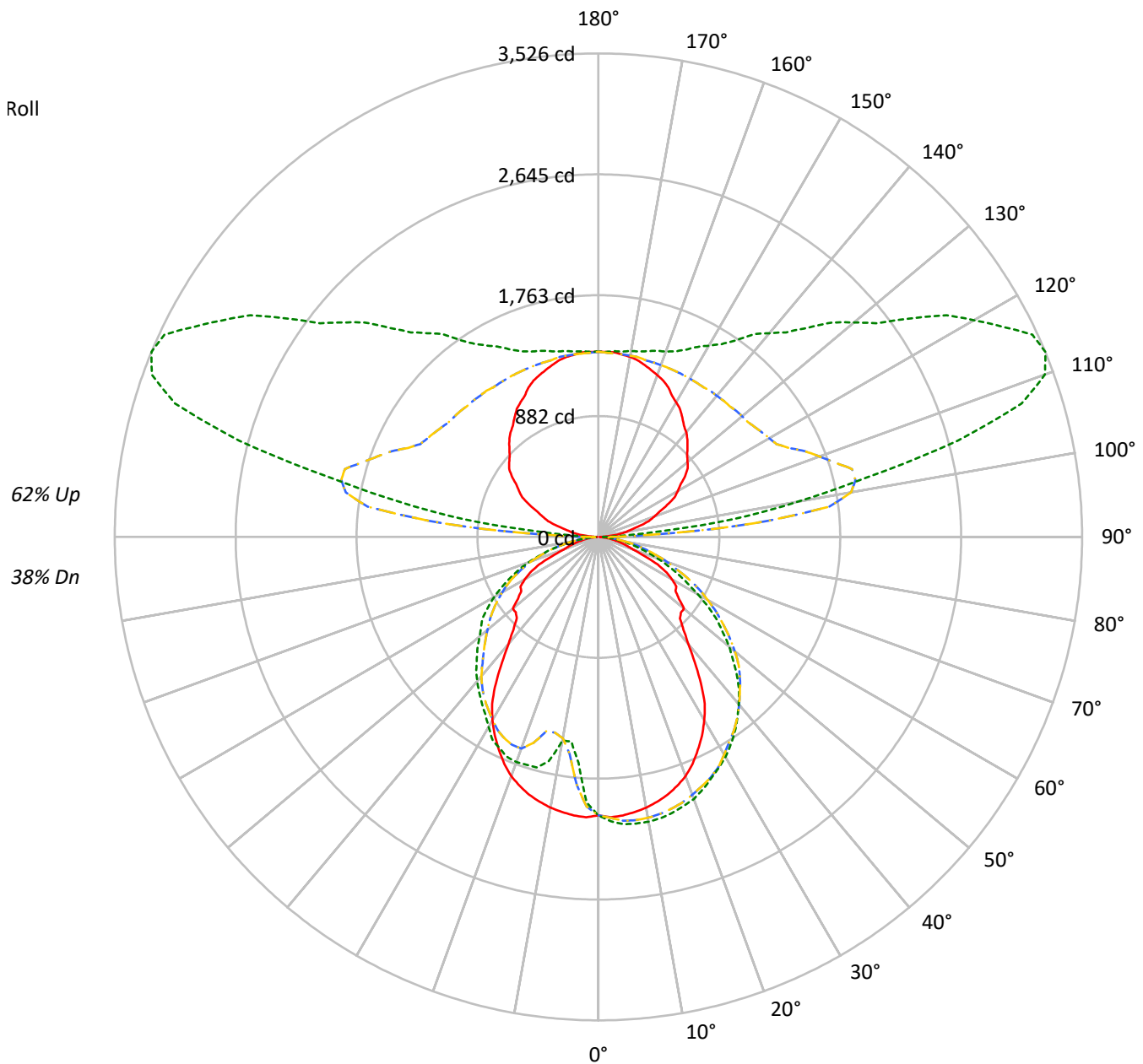
Test Method: LM-79-2019  
Report Number: P936099  
REPORT IS A COMBINATION OF REPORTS P933779 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-150U-100D-B35-1D-UNV-STD-W-6  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 14024.3 lumens  
Efficiency: N/A  
Efficacy: 129.1 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°	12556	12556	12556	12556
5°	12645	12674	12645	9966
10°	12556	12485	12556	8926
15°	12415	12214	12415	10199
20°	12151	11894	12151	10221
25°	11614	11427	11614	10005
30°	10923	11039	10923	9528
35°	9733	10548	9733	9006
40°	8105	9970	8105	8611
45°	7238	9294	7238	8157
50°	7683	8487	7683	7701
55°	7222	7618	7222	7438
60°	7435	6470	7435	6813
65°	6731	5349	6731	5979
70°	4649	4262	4649	5011
75°	4062	3151	4062	3773
80°	3248	2084	3248	2268
85°	1830	1103	1830	938

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 11100 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	183.2	1.3
10°-20°	520.2	3.7
20°-30°	804.1	5.7
30°-40°	960.0	6.8
40°-50°	965.6	6.9
50°-60°	840.2	6.0
60°-70°	595.7	4.2
70°-80°	315.2	2.2
80°-90°	83.6	0.6
90°-100°	658.4	4.7
100°-110°	1731.1	12.3
110°-120°	1794.9	12.8
120°-130°	1439.7	10.3
130°-140°	1129.7	8.1
140°-150°	867.1	6.2
150°-160°	624.4	4.5
160°-170°	382.1	2.7
170°-180°	129.1	0.9
0°-30°	1507.5	10.7
0°-40°	2467.5	17.6
0°-60°	4273.3	30.5
0°-90°	5267.8	37.6
90°-120°	4184.4	29.8
90°-150°	7621.0	54.3
90°-180°	8757.0	62.4
0°-180°	14024.3	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	2030	2030	2030	2030	2030	
5°	2039	2103	2039	1653	2039	193
15°	1947	2083	1947	1740	1947	548
25°	1715	1943	1715	1701	1715	787
35°	1304	1734	1304	1480	1304	807
45°	841	1429	841	1254	841	674
55°	686	1054	686	1029	686	630
65°	476	636	476	710	476	455
75°	180	302	180	361	180	190
85°	31	77	31	65	31	41
90°	9	34	9	34	9	9
95°	87	398	87	398	87	97
105°	312	2711	312	2711	312	331
115°	554	3490	554	3490	554	547
125°	770	2780	770	2780	770	684
135°	918	2157	918	2157	918	711
145°	1065	1750	1065	1750	1065	667
155°	1204	1507	1204	1507	1204	553
165°	1299	1403	1299	1403	1299	367
175°	1351	1360	1351	1360	1351	128
180°	1351	1351	1351	1351	1351	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2029.7	2029.7	2029.7	2029.7	2029.7	2029.7	2029.7	2029.7	2029.7	2029.7	2029.7
2.5°	2047.0	2047.0	2058.5	2062.3	2062.3	2056.6	2050.8	2056.6	2073.9	2079.7	2077.7
5°	2039.3	2054.7	2075.8	2079.7	2083.4	2081.5	2077.7	2081.5	2100.7	2104.6	2106.5
7.5°	2024.0	2052.7	2079.7	2085.4	2091.1	2085.4	2083.4	2087.3	2106.5	2110.4	2110.4
10°	2004.8	2045.1	2075.8	2079.7	2085.4	2079.7	2079.7	2087.3	2106.5	2110.4	2112.2
12.5°	1977.8	2033.5	2062.3	2066.2	2073.9	2071.9	2070.0	2077.7	2096.9	2100.7	2100.7
15°	1947.1	2012.4	2039.3	2043.1	2056.6	2052.7	2052.7	2060.4	2081.5	2087.3	2085.4
17.5°	1904.9	1985.5	2016.3	2022.0	2031.6	2029.7	2031.6	2039.3	2058.5	2062.3	2064.3
20°	1856.9	1949.0	1985.5	1991.3	2000.9	2000.9	2000.9	2010.5	2029.7	2037.4	2037.4
22.5°	1791.6	1910.7	1949.0	1952.9	1964.5	1964.5	1968.2	1981.7	1999.0	2000.9	2000.9
25°	1714.7	1868.4	1901.1	1912.5	1924.0	1929.9	1935.6	1943.3	1949.0	1947.1	1949.0
27.5°	1634.1	1814.6	1856.9	1864.5	1880.0	1885.7	1893.3	1895.3	1897.2	1902.9	1899.1
30°	1543.9	1739.7	1803.1	1810.8	1835.8	1839.5	1831.9	1835.8	1845.4	1849.2	1853.0
32.5°	1442.1	1628.4	1747.4	1764.7	1787.7	1776.2	1774.3	1780.1	1795.5	1795.5	1799.2
35°	1303.9	1542.0	1695.6	1711.0	1728.2	1714.7	1722.5	1724.3	1733.9	1739.7	1737.8
37.5°	1152.1	1467.1	1641.8	1653.3	1666.8	1649.5	1661.0	1666.8	1674.4	1670.7	1670.7
40°	1017.7	1349.9	1578.4	1586.2	1597.7	1584.2	1595.7	1599.5	1603.4	1599.5	1597.7
42.5°	917.8	1221.2	1511.3	1520.8	1513.2	1522.8	1526.6	1534.3	1528.5	1520.8	1520.8
45°	841.1	1186.7	1438.3	1449.8	1438.3	1453.6	1459.4	1459.4	1442.1	1438.3	1436.3
47.5°	816.1	1117.5	1365.3	1365.3	1359.5	1378.7	1388.3	1374.9	1357.6	1351.9	1351.9
50°	814.2	1040.8	1265.4	1257.8	1284.6	1307.7	1298.1	1284.6	1271.2	1250.1	1250.1
52.5°	739.3	946.7	1136.7	1165.6	1207.9	1221.2	1205.9	1192.5	1169.4	1159.8	1152.1
55°	685.6	848.7	1019.7	1077.2	1121.4	1138.7	1109.9	1096.4	1061.9	1056.1	1052.3
57.5°	674.0	706.7	912.1	985.1	1038.9	1036.9	1019.7	994.7	965.9	960.1	958.2
60°	618.3	510.8	796.9	883.3	939.0	933.2	917.8	894.9	867.9	864.2	860.3
62.5°	560.7	370.6	666.3	764.3	843.0	841.1	827.6	793.0	773.8	764.3	756.6
65°	476.3	311.0	474.3	635.6	748.9	752.7	723.9	698.9	677.8	666.3	664.4
67.5°	362.9	253.5	320.6	529.9	658.6	654.9	618.3	606.8	579.9	574.1	562.6
70°	268.8	169.0	222.8	430.1	570.4	560.7	531.9	518.5	493.5	480.0	472.4
72.5°	222.8	136.3	163.2	334.1	480.0	468.5	443.6	428.2	407.1	395.5	387.9
75°	180.5	144.0	124.8	247.7	389.8	382.2	359.1	343.7	326.5	311.0	313.0
77.5°	132.5	134.4	99.8	182.5	309.1	297.7	284.2	265.0	257.3	242.0	242.0
80°	99.8	105.6	74.9	124.8	222.8	222.8	211.2	197.8	184.3	176.6	176.6
82.5°	67.2	67.2	55.7	78.7	151.7	145.9	138.3	134.4	126.7	122.9	122.9
85°	30.7	38.4	34.6	48.0	82.6	86.4	86.4	82.6	80.6	76.8	78.7
87.5°	9.6	17.2	21.1	26.8	42.2	44.2	46.1	46.1	46.1	48.0	48.0
90°	9.1	16.4	23.5	25.4	39.9	59.2	68.9	61.2	45.9	34.5	34.5
92.5°	36.2	97.9	159.6	175.0	246.0	340.7	388.0	340.0	244.2	172.3	165.4
95°	87.0	199.8	312.7	340.9	605.3	957.9	1134.1	1012.0	767.8	584.7	564.0
97.5°	150.5	250.0	349.5	374.4	815.3	1403.2	1697.1	1620.0	1465.6	1349.9	1310.4
100°	199.4	289.7	379.9	402.5	891.8	1544.1	1870.3	1875.9	1887.2	1895.7	1848.7
102.5°	241.2	325.4	409.6	430.6	926.8	1588.4	1919.2	2017.5	2214.1	2361.5	2321.2
105°	311.8	383.1	454.5	472.3	952.8	1593.4	1913.8	2134.1	2574.9	2905.5	2883.8
107.5°	384.4	450.9	517.3	533.9	957.6	1522.5	1805.0	2112.4	2727.3	3188.4	3193.6
110°	433.3	493.4	553.4	568.4	950.4	1459.6	1714.3	2058.0	2745.4	3260.9	3283.5



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	481.4	538.6	595.7	610.1	950.7	1404.8	1631.8	1983.5	2687.0	3214.7	3249.3
115°	553.9	606.7	659.5	672.7	959.4	1341.8	1533.0	1871.8	2549.5	3057.8	3105.8
117.5°	625.5	673.5	721.4	733.4	977.3	1302.4	1465.0	1770.8	2382.4	2841.1	2894.4
120°	667.3	712.4	757.6	768.8	991.8	1289.2	1437.8	1717.3	2276.1	2695.2	2746.9
122.5°	708.0	753.6	799.1	810.5	1012.6	1282.2	1417.0	1668.6	2171.8	2549.2	2600.3
125°	770.5	812.0	853.6	864.0	1040.7	1276.5	1394.3	1608.1	2035.5	2356.1	2403.1
127.5°	821.3	863.2	905.1	915.6	1068.8	1273.1	1375.2	1558.7	1925.8	2201.1	2240.8
130°	848.6	893.7	938.9	950.1	1089.4	1275.2	1368.0	1531.4	1858.2	2103.2	2139.8
132.5°	876.7	921.8	967.0	978.2	1106.0	1276.5	1361.6	1507.9	1800.4	2019.8	2052.6
135°	918.3	959.4	1000.6	1010.9	1124.1	1275.2	1350.8	1473.3	1718.2	1902.0	1930.2
137.5°	961.0	1001.7	1042.4	1052.5	1151.4	1283.1	1348.9	1452.5	1659.6	1814.9	1838.1
140°	996.3	1033.8	1071.2	1080.6	1167.9	1284.4	1342.6	1432.1	1611.0	1745.2	1766.8
142.5°	1023.5	1058.1	1092.8	1101.5	1181.9	1289.1	1342.6	1421.2	1578.3	1696.1	1714.7
145°	1065.2	1095.5	1125.7	1133.2	1200.0	1289.1	1333.5	1397.8	1526.4	1622.8	1636.8
147.5°	1106.9	1136.3	1165.7	1173.1	1226.6	1297.9	1333.5	1384.1	1485.2	1561.1	1572.8
150°	1134.1	1160.7	1187.2	1193.9	1240.4	1302.5	1333.5	1376.3	1461.6	1525.7	1535.2
152.5°	1162.2	1182.4	1202.5	1207.6	1249.5	1305.5	1333.5	1370.0	1442.9	1497.6	1504.8
155°	1203.9	1218.8	1233.7	1237.4	1269.5	1312.2	1333.5	1362.5	1420.6	1464.1	1468.8
157.5°	1234.7	1249.2	1263.8	1267.4	1289.4	1318.8	1333.5	1356.1	1401.3	1435.1	1438.4
160°	1255.6	1266.9	1278.1	1280.9	1298.5	1321.8	1333.5	1352.9	1391.6	1420.6	1422.5
162.5°	1276.5	1284.9	1293.3	1295.5	1308.1	1325.1	1333.5	1349.8	1382.5	1407.0	1408.8
165°	1299.1	1306.8	1314.4	1316.3	1322.0	1329.7	1333.5	1345.3	1368.6	1386.2	1388.1
167.5°	1320.0	1323.6	1327.2	1328.1	1333.0	1339.4	1342.6	1350.3	1365.6	1377.0	1377.8
170°	1333.5	1337.1	1340.8	1341.7	1342.0	1342.5	1342.6	1350.3	1365.6	1377.0	1377.0
172.5°	1340.8	1341.6	1342.5	1342.6	1342.6	1342.6	1342.6	1348.7	1360.8	1369.8	1369.1
175°	1350.8	1350.8	1350.8	1350.8	1348.1	1344.5	1342.6	1346.4	1354.1	1359.8	1359.8
177.5°	1350.8	1350.8	1350.8	1350.8	1348.7	1345.8	1344.4	1347.4	1353.5	1358.1	1357.3
180°	1350.8	1350.8	1350.8	1350.8	1350.8	1350.8	1350.8	1350.8	1350.8	1350.8	1350.8



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2029.7	2029.7	2029.7	2029.7	2029.7	2029.7	2029.7	2029.7	2029.7	2029.7	2029.7
2.5°	2081.5	2075.8	2081.5	2077.7	2079.7	2073.9	2056.6	2050.8	2056.6	2062.3	2062.3
5°	2106.5	2102.6	2106.5	2106.5	2104.6	2100.7	2081.5	2077.7	2081.5	2083.4	2079.7
7.5°	2114.2	2108.4	2114.2	2110.4	2110.4	2106.5	2087.3	2083.4	2085.4	2091.1	2085.4
10°	2114.2	2108.4	2114.2	2112.2	2110.4	2106.5	2087.3	2079.7	2079.7	2085.4	2079.7
12.5°	2104.6	2100.7	2104.6	2100.7	2100.7	2096.9	2077.7	2070.0	2071.9	2073.9	2066.2
15°	2089.3	2083.4	2089.3	2085.4	2087.3	2081.5	2060.4	2052.7	2052.7	2056.6	2043.1
17.5°	2066.2	2058.5	2066.2	2064.3	2062.3	2058.5	2039.3	2031.6	2029.7	2031.6	2022.0
20°	2039.3	2033.5	2039.3	2037.4	2037.4	2029.7	2010.5	2000.9	2000.9	2000.9	1991.3
22.5°	1997.0	1991.3	1997.0	2000.9	2000.9	1999.0	1981.7	1968.2	1964.5	1964.5	1952.9
25°	1949.0	1943.3	1949.0	1949.0	1947.1	1949.0	1943.3	1935.6	1929.9	1924.0	1912.5
27.5°	1902.9	1899.1	1902.9	1899.1	1902.9	1897.2	1895.3	1893.3	1885.7	1880.0	1864.5
30°	1856.9	1853.0	1856.9	1853.0	1849.2	1845.4	1835.8	1831.9	1839.5	1835.8	1810.8
32.5°	1799.2	1795.5	1799.2	1799.2	1795.5	1795.5	1780.1	1774.3	1776.2	1787.7	1764.7
35°	1739.7	1733.9	1739.7	1737.8	1739.7	1733.9	1724.3	1722.5	1714.7	1728.2	1711.0
37.5°	1670.7	1664.8	1670.7	1670.7	1670.7	1674.4	1666.8	1661.0	1649.5	1666.8	1653.3
40°	1599.5	1591.9	1599.5	1597.7	1599.5	1603.4	1599.5	1595.7	1584.2	1597.7	1586.2
42.5°	1518.9	1517.0	1518.9	1520.8	1520.8	1528.5	1534.3	1526.6	1522.8	1513.2	1520.8
45°	1432.5	1428.7	1432.5	1436.3	1438.3	1442.1	1459.4	1459.4	1453.6	1438.3	1449.8
47.5°	1340.3	1330.7	1340.3	1351.9	1351.9	1357.6	1374.9	1388.3	1378.7	1359.5	1365.3
50°	1242.4	1244.3	1242.4	1250.1	1250.1	1271.2	1284.6	1298.1	1307.7	1284.6	1257.8
52.5°	1146.4	1144.5	1146.4	1152.1	1159.8	1169.4	1192.5	1205.9	1221.2	1207.9	1165.6
55°	1050.4	1054.2	1050.4	1052.3	1056.1	1061.9	1096.4	1109.9	1138.7	1121.4	1077.2
57.5°	954.4	948.6	954.4	958.2	960.1	965.9	994.7	1019.7	1036.9	1038.9	985.1
60°	843.0	835.3	843.0	860.3	864.2	867.9	894.9	917.8	933.2	939.0	883.3
62.5°	745.1	731.6	745.1	756.6	764.3	773.8	793.0	827.6	841.1	843.0	764.3
65°	641.4	635.6	641.4	664.4	666.3	677.8	698.9	723.9	752.7	748.9	635.6
67.5°	547.3	547.3	547.3	562.6	574.1	579.9	606.8	618.3	654.9	658.6	529.9
70°	460.9	458.9	460.9	472.4	480.0	493.5	518.5	531.9	560.7	570.4	430.1
72.5°	378.3	376.4	378.3	387.9	395.5	407.1	428.2	443.6	468.5	480.0	334.1
75°	305.3	301.5	305.3	313.0	311.0	326.5	343.7	359.1	382.2	389.8	247.7
77.5°	234.3	234.3	234.3	242.0	242.0	257.3	265.0	284.2	297.7	309.1	182.5
80°	174.7	172.9	174.7	176.6	176.6	184.3	197.8	211.2	222.8	222.8	124.8
82.5°	122.9	119.1	122.9	122.9	122.9	126.7	134.4	138.3	145.9	151.7	78.7
85°	76.8	76.8	76.8	78.7	76.8	80.6	82.6	86.4	86.4	82.6	48.0
87.5°	49.9	48.0	49.9	48.0	48.0	46.1	46.1	46.1	44.2	42.2	26.8
90°	34.5	34.5	34.5	34.5	34.5	45.9	61.2	68.9	59.2	39.9	25.4
92.5°	138.0	110.6	138.0	165.4	172.3	244.2	340.0	388.0	340.7	246.0	175.0
95°	480.9	398.0	480.9	564.0	584.7	767.8	1012.0	1134.1	957.9	605.3	340.9
97.5°	1152.4	994.5	1152.4	1310.4	1349.9	1465.6	1620.0	1697.1	1403.2	815.3	374.4
100°	1660.5	1472.3	1660.5	1848.7	1895.7	1887.2	1875.9	1870.3	1544.1	891.8	402.5
102.5°	2160.1	1999.0	2160.1	2321.2	2361.5	2214.1	2017.5	1919.2	1588.4	926.8	430.6
105°	2797.2	2710.6	2797.2	2883.8	2905.5	2574.9	2134.1	1913.8	1593.4	952.8	472.3
107.5°	3214.6	3235.5	3214.6	3193.6	3188.4	2727.3	2112.4	1805.0	1522.5	957.6	533.9
110°	3373.7	3464.0	3373.7	3283.5	3260.9	2745.4	2058.0	1714.3	1459.6	950.4	568.4





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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3387.9	3526.5	3387.9	3249.3	3214.7	2687.0	1983.5	1631.8	1404.8	950.7	610.1
115°	3298.0	3490.2	3298.0	3105.8	3057.8	2549.5	1871.8	1533.0	1341.8	959.4	672.7
117.5°	3107.6	3320.8	3107.6	2894.4	2841.1	2382.4	1770.8	1465.0	1302.4	977.3	733.4
120°	2954.1	3161.2	2954.1	2746.9	2695.2	2276.1	1717.3	1437.8	1289.2	991.8	768.8
122.5°	2804.6	3008.8	2804.6	2600.3	2549.2	2171.8	1668.6	1417.0	1282.2	1012.6	810.5
125°	2591.3	2779.5	2591.3	2403.1	2356.1	2035.5	1608.1	1394.3	1276.5	1040.7	864.0
127.5°	2399.5	2558.4	2399.5	2240.8	2201.1	1925.8	1558.7	1375.2	1273.1	1068.8	915.6
130°	2286.5	2433.2	2286.5	2139.8	2103.2	1858.2	1531.4	1368.0	1275.2	1089.4	950.1
132.5°	2183.9	2315.3	2183.9	2052.6	2019.8	1800.4	1507.9	1361.6	1276.5	1106.0	978.2
135°	2043.5	2156.7	2043.5	1930.2	1902.0	1718.2	1473.3	1350.8	1275.2	1124.1	1010.9
137.5°	1930.8	2023.5	1930.8	1838.1	1814.9	1659.6	1452.5	1348.9	1283.1	1151.4	1052.5
140°	1853.4	1940.0	1853.4	1766.8	1745.2	1611.0	1432.1	1342.6	1284.4	1167.9	1080.6
142.5°	1789.4	1863.9	1789.4	1714.7	1696.1	1578.3	1421.2	1342.6	1289.1	1181.9	1101.5
145°	1693.2	1749.6	1693.2	1636.8	1622.8	1526.4	1397.8	1333.5	1289.1	1200.0	1133.2
147.5°	1619.5	1666.3	1619.5	1572.8	1561.1	1485.2	1384.1	1333.5	1297.9	1226.6	1173.1
150°	1573.1	1611.0	1573.1	1535.2	1525.7	1461.6	1376.3	1333.5	1302.5	1240.4	1193.9
152.5°	1533.3	1562.0	1533.3	1504.8	1497.6	1442.9	1370.0	1333.5	1305.5	1249.5	1207.6
155°	1487.7	1506.7	1487.7	1468.8	1464.1	1420.6	1362.5	1333.5	1312.2	1269.5	1237.4
157.5°	1451.8	1465.0	1451.8	1438.4	1435.1	1401.3	1356.1	1333.5	1318.8	1289.4	1267.4
160°	1430.1	1437.8	1430.1	1422.5	1420.6	1391.6	1352.9	1333.5	1321.8	1298.5	1280.9
162.5°	1416.0	1423.3	1416.0	1408.8	1407.0	1382.5	1349.8	1333.5	1325.1	1308.1	1295.5
165°	1395.7	1403.3	1395.7	1388.1	1386.2	1368.6	1345.3	1333.5	1329.7	1322.0	1316.3
167.5°	1381.1	1384.3	1381.1	1377.8	1377.0	1365.6	1350.3	1342.6	1339.4	1333.0	1328.1
170°	1377.0	1377.0	1377.0	1377.0	1377.0	1365.6	1350.3	1342.6	1342.5	1342.0	1341.7
172.5°	1366.3	1363.5	1366.3	1369.1	1369.8	1360.8	1348.7	1342.6	1342.6	1342.6	1342.6
175°	1359.8	1359.8	1359.8	1359.8	1359.8	1354.1	1346.4	1342.6	1344.5	1348.1	1350.8
177.5°	1354.0	1350.8	1354.0	1357.3	1358.1	1353.5	1347.4	1344.4	1345.8	1348.7	1350.8
180°	1350.8	1350.8	1350.8	1350.8	1350.8	1350.8	1350.8	1350.8	1350.8	1350.8	1350.8



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**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2029.7	2029.7	2029.7	2029.7	2029.7	2029.7	2029.7	2029.7	2029.7	2029.7	2029.7
2.5°	2058.5	2047.0	2047.0	2027.7	2020.1	2014.4	2004.8	1975.9	1968.2	1960.6	1972.1
5°	2075.8	2054.7	2039.3	2004.8	1975.9	1964.5	1927.9	1858.8	1812.7	1778.1	1758.9
7.5°	2079.7	2052.7	2024.0	1970.2	1901.1	1870.3	1758.9	1632.2	1597.7	1566.9	1547.7
10°	2075.8	2045.1	2004.8	1924.0	1760.9	1707.1	1595.7	1513.2	1492.1	1486.3	1492.1
12.5°	2062.3	2033.5	1977.8	1843.4	1614.9	1578.4	1513.2	1465.1	1461.3	1470.9	1522.8
15°	2039.3	2012.4	1947.1	1735.9	1534.3	1507.4	1461.3	1444.0	1465.1	1532.4	1687.9
17.5°	2016.3	1985.5	1904.9	1630.2	1472.8	1453.6	1420.9	1455.5	1574.6	1664.8	1716.7
20°	1985.5	1949.0	1856.9	1553.5	1428.7	1411.3	1396.0	1551.6	1641.8	1674.4	1703.2
22.5°	1949.0	1910.7	1791.6	1499.7	1382.6	1369.1	1378.7	1605.3	1641.8	1664.8	1689.8
25°	1901.1	1868.4	1714.7	1457.5	1346.1	1330.7	1367.3	1599.5	1620.7	1626.5	1676.4
27.5°	1856.9	1814.6	1634.1	1419.1	1301.9	1296.1	1376.9	1574.6	1589.9	1595.7	1649.5
30°	1803.1	1739.7	1543.9	1378.7	1255.8	1253.9	1378.7	1543.9	1540.0	1555.4	1609.1
32.5°	1747.4	1628.4	1442.1	1328.8	1211.6	1209.8	1365.3	1497.8	1493.9	1515.0	1555.4
35°	1695.6	1542.0	1303.9	1271.2	1156.0	1157.9	1332.7	1444.0	1445.9	1465.1	1490.1
37.5°	1641.8	1467.1	1152.1	1207.9	1102.2	1102.2	1288.5	1394.1	1390.2	1396.0	1430.5
40°	1578.4	1349.9	1017.7	1125.3	1052.3	1046.5	1234.7	1340.3	1326.9	1325.0	1373.0
42.5°	1511.3	1221.2	917.8	1015.8	994.7	987.0	1169.4	1275.0	1250.1	1255.8	1317.3
45°	1438.3	1186.7	841.1	858.3	935.2	929.4	1098.4	1200.1	1182.9	1198.3	1261.6
47.5°	1365.3	1117.5	816.1	712.4	871.8	869.9	1019.7	1127.1	1117.5	1133.0	1200.1
50°	1265.4	1040.8	814.2	610.7	800.8	808.4	925.6	1056.1	1056.1	1069.6	1140.6
52.5°	1136.7	946.7	739.3	553.0	718.1	741.2	843.0	994.7	998.6	1011.9	1075.3
55°	1019.7	848.7	685.6	508.8	620.3	670.2	762.3	931.3	939.0	952.4	1010.1
57.5°	912.1	706.7	674.0	457.0	529.9	578.0	691.3	869.9	873.7	885.3	940.9
60°	796.9	510.8	618.3	401.4	451.3	487.7	626.0	796.9	810.4	818.0	866.0
62.5°	666.3	370.6	560.7	362.9	412.9	420.5	572.2	727.8	745.1	750.8	779.7
65°	474.3	311.0	476.3	330.2	372.5	374.4	514.6	656.7	672.1	681.7	702.8
67.5°	320.6	253.5	362.9	299.5	341.8	343.7	458.9	574.1	595.3	602.9	616.4
70°	222.8	169.0	268.8	267.0	307.3	311.0	399.4	499.2	518.5	524.2	531.9
72.5°	163.2	136.3	222.8	240.0	270.7	274.6	338.0	414.7	434.0	439.7	443.6
75°	124.8	144.0	180.5	209.3	230.4	232.4	276.6	338.0	351.4	355.2	357.2
77.5°	99.8	134.4	132.5	169.0	188.2	184.3	217.0	261.1	272.7	272.7	272.7
80°	74.9	105.6	99.8	120.9	138.3	134.4	155.5	186.2	190.1	193.9	192.1
82.5°	55.7	67.2	67.2	76.8	92.2	88.4	103.7	120.9	120.9	120.9	124.8
85°	34.6	38.4	30.7	40.3	51.8	49.9	57.7	65.3	67.2	67.2	63.4
87.5°	21.1	17.2	9.6	15.4	23.1	23.1	26.8	28.8	26.8	26.8	26.8
90°	23.5	16.4	9.1	16.4	23.5	25.4	39.9	59.2	68.9	61.2	45.9
92.5°	159.6	97.9	36.2	97.9	159.6	175.0	246.0	340.7	388.0	340.0	244.2
95°	312.7	199.8	87.0	199.8	312.7	340.9	605.3	957.9	1134.1	1012.0	767.8
97.5°	349.5	250.0	150.5	250.0	349.5	374.4	815.3	1403.2	1697.1	1620.0	1465.6
100°	379.9	289.7	199.4	289.7	379.9	402.5	891.8	1544.1	1870.3	1875.9	1887.2
102.5°	409.6	325.4	241.2	325.4	409.6	430.6	926.8	1588.4	1919.2	2017.5	2214.1
105°	454.5	383.1	311.8	383.1	454.5	472.3	952.8	1593.4	1913.8	2134.1	2574.9
107.5°	517.3	450.9	384.4	450.9	517.3	533.9	957.6	1522.5	1805.0	2112.4	2727.3
110°	553.4	493.4	433.3	493.4	553.4	568.4	950.4	1459.6	1714.3	2058.0	2745.4



TEST NUMBER: P936099

CATALOG NUMBER: SQ4-FA-150U-100D-B35-1D-UNV-STD-W-6

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	595.7	538.6	481.4	538.6	595.7	610.1	950.7	1404.8	1631.8	1983.5	2687.0
115°	659.5	606.7	553.9	606.7	659.5	672.7	959.4	1341.8	1533.0	1871.8	2549.5
117.5°	721.4	673.5	625.5	673.5	721.4	733.4	977.3	1302.4	1465.0	1770.8	2382.4
120°	757.6	712.4	667.3	712.4	757.6	768.8	991.8	1289.2	1437.8	1717.3	2276.1
122.5°	799.1	753.6	708.0	753.6	799.1	810.5	1012.6	1282.2	1417.0	1668.6	2171.8
125°	853.6	812.0	770.5	812.0	853.6	864.0	1040.7	1276.5	1394.3	1608.1	2035.5
127.5°	905.1	863.2	821.3	863.2	905.1	915.6	1068.8	1273.1	1375.2	1558.7	1925.8
130°	938.9	893.7	848.6	893.7	938.9	950.1	1089.4	1275.2	1368.0	1531.4	1858.2
132.5°	967.0	921.8	876.7	921.8	967.0	978.2	1106.0	1276.5	1361.6	1507.9	1800.4
135°	1000.6	959.4	918.3	959.4	1000.6	1010.9	1124.1	1275.2	1350.8	1473.3	1718.2
137.5°	1042.4	1001.7	961.0	1001.7	1042.4	1052.5	1151.4	1283.1	1348.9	1452.5	1659.6
140°	1071.2	1033.8	996.3	1033.8	1071.2	1080.6	1167.9	1284.4	1342.6	1432.1	1611.0
142.5°	1092.8	1058.1	1023.5	1058.1	1092.8	1101.5	1181.9	1289.1	1342.6	1421.2	1578.3
145°	1125.7	1095.5	1065.2	1095.5	1125.7	1133.2	1200.0	1289.1	1333.5	1397.8	1526.4
147.5°	1165.7	1136.3	1106.9	1136.3	1165.7	1173.1	1226.6	1297.9	1333.5	1384.1	1485.2
150°	1187.2	1160.7	1134.1	1160.7	1187.2	1193.9	1240.4	1302.5	1333.5	1376.3	1461.6
152.5°	1202.5	1182.4	1162.2	1182.4	1202.5	1207.6	1249.5	1305.5	1333.5	1370.0	1442.9
155°	1233.7	1218.8	1203.9	1218.8	1233.7	1237.4	1269.5	1312.2	1333.5	1362.5	1420.6
157.5°	1263.8	1249.2	1234.7	1249.2	1263.8	1267.4	1289.4	1318.8	1333.5	1356.1	1401.3
160°	1278.1	1266.9	1255.6	1266.9	1278.1	1280.9	1298.5	1321.8	1333.5	1352.9	1391.6
162.5°	1293.3	1284.9	1276.5	1284.9	1293.3	1295.5	1308.1	1325.1	1333.5	1349.8	1382.5
165°	1314.4	1306.8	1299.1	1306.8	1314.4	1316.3	1322.0	1329.7	1333.5	1345.3	1368.6
167.5°	1327.2	1323.6	1320.0	1323.6	1327.2	1328.1	1333.0	1339.4	1342.6	1350.3	1365.6
170°	1340.8	1337.1	1333.5	1337.1	1340.8	1341.7	1342.0	1342.5	1342.6	1350.3	1365.6
172.5°	1342.5	1341.6	1340.8	1341.6	1342.5	1342.6	1342.6	1342.6	1342.6	1348.7	1360.8
175°	1350.8	1350.8	1350.8	1350.8	1350.8	1350.8	1348.1	1344.5	1342.6	1346.4	1354.1
177.5°	1350.8	1350.8	1350.8	1350.8	1350.8	1350.8	1348.7	1345.8	1344.4	1347.4	1353.5
180°	1350.8	1350.8	1350.8	1350.8	1350.8	1350.8	1350.8	1350.8	1350.8	1350.8	1350.8



TEST NUMBER: P936099

CATALOG NUMBER: SQ4-FA-150U-100D-B35-1D-UNV-STD-W-6

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2029.7	2029.7	2029.7	2029.7	2029.7	2029.7	2029.7	2029.7	2029.7	2029.7	2029.7
2.5°	1958.6	1952.9	1960.6	1939.5	1960.6	1952.9	1958.6	1972.1	1960.6	1968.2	1975.9
5°	1718.6	1709.0	1678.3	1653.3	1678.3	1709.0	1718.6	1758.9	1778.1	1812.7	1858.8
7.5°	1536.2	1528.5	1520.8	1505.4	1520.8	1528.5	1536.2	1547.7	1566.9	1597.7	1632.2
10°	1495.8	1497.8	1509.3	1507.4	1509.3	1497.8	1495.8	1492.1	1486.3	1492.1	1513.2
12.5°	1599.5	1616.9	1680.2	1676.4	1680.2	1616.9	1599.5	1522.8	1470.9	1461.3	1465.1
15°	1718.6	1724.3	1737.8	1739.7	1737.8	1724.3	1718.6	1687.9	1532.4	1465.1	1444.0
17.5°	1730.1	1732.1	1741.7	1741.7	1741.7	1732.1	1730.1	1716.7	1664.8	1574.6	1455.5
20°	1720.6	1724.3	1743.6	1747.4	1743.6	1724.3	1720.6	1703.2	1674.4	1641.8	1551.6
22.5°	1716.7	1724.3	1739.7	1737.8	1739.7	1724.3	1716.7	1689.8	1664.8	1641.8	1605.3
25°	1697.5	1697.5	1699.4	1701.4	1699.4	1697.5	1697.5	1676.4	1626.5	1620.7	1599.5
27.5°	1657.2	1661.0	1672.5	1670.7	1672.5	1661.0	1657.2	1649.5	1595.7	1589.9	1574.6
30°	1620.7	1616.9	1607.3	1599.5	1607.3	1616.9	1620.7	1609.1	1555.4	1540.0	1543.9
32.5°	1559.2	1549.6	1540.0	1534.3	1540.0	1549.6	1559.2	1555.4	1515.0	1493.9	1497.8
35°	1486.3	1488.2	1486.3	1480.5	1486.3	1488.2	1486.3	1490.1	1465.1	1445.9	1444.0
37.5°	1434.4	1438.3	1436.3	1428.7	1436.3	1438.3	1434.4	1430.5	1396.0	1390.2	1394.1
40°	1380.6	1382.6	1380.6	1374.9	1380.6	1382.6	1380.6	1373.0	1325.0	1326.9	1340.3
42.5°	1328.8	1326.9	1321.1	1317.3	1321.1	1326.9	1328.8	1317.3	1255.8	1250.1	1275.0
45°	1269.3	1271.2	1259.7	1253.9	1259.7	1271.2	1269.3	1261.6	1198.3	1182.9	1200.1
47.5°	1209.8	1209.8	1200.1	1194.4	1200.1	1209.8	1209.8	1200.1	1133.0	1117.5	1127.1
50°	1146.4	1144.5	1131.0	1129.1	1131.0	1144.5	1146.4	1140.6	1069.6	1056.1	1056.1
52.5°	1073.5	1073.5	1075.3	1079.2	1075.3	1073.5	1073.5	1075.3	1011.9	998.6	994.7
55°	1010.1	1011.9	1025.4	1029.3	1025.4	1011.9	1010.1	1010.1	952.4	939.0	931.3
57.5°	944.8	944.8	954.4	954.4	954.4	944.8	944.8	940.9	885.3	873.7	869.9
60°	869.9	873.7	881.4	879.5	881.4	873.7	869.9	866.0	818.0	810.4	796.9
62.5°	791.1	795.0	796.9	793.0	796.9	795.0	791.1	779.7	750.8	745.1	727.8
65°	708.5	712.4	714.3	710.5	714.3	712.4	708.5	702.8	681.7	672.1	656.7
67.5°	624.0	622.2	620.3	627.9	620.3	622.2	624.0	616.4	602.9	595.3	574.1
70°	537.7	537.7	535.8	539.5	535.8	537.7	537.7	531.9	524.2	518.5	499.2
72.5°	445.4	443.6	451.3	445.4	451.3	443.6	445.4	443.6	439.7	434.0	414.7
75°	355.2	359.1	355.2	361.0	355.2	359.1	355.2	357.2	355.2	351.4	338.0
77.5°	270.7	274.6	270.7	270.7	270.7	274.6	270.7	272.7	272.7	272.7	261.1
80°	192.1	190.1	190.1	188.2	190.1	190.1	192.1	192.1	193.9	190.1	186.2
82.5°	122.9	120.9	120.9	124.8	120.9	120.9	122.9	124.8	120.9	120.9	120.9
85°	67.2	69.1	65.3	65.3	65.3	69.1	67.2	63.4	67.2	67.2	65.3
87.5°	25.0	23.1	23.1	23.1	23.1	23.1	25.0	26.8	26.8	26.8	28.8
90°	34.5	34.5	34.5	34.5	34.5	34.5	34.5	45.9	61.2	68.9	59.2
92.5°	172.3	165.4	138.0	110.6	138.0	165.4	172.3	244.2	340.0	388.0	340.7
95°	584.7	564.0	480.9	398.0	480.9	564.0	584.7	767.8	1012.0	1134.1	957.9
97.5°	1349.9	1310.4	1152.4	994.5	1152.4	1310.4	1349.9	1465.6	1620.0	1697.1	1403.2
100°	1895.7	1848.7	1660.5	1472.3	1660.5	1848.7	1895.7	1887.2	1875.9	1870.3	1544.1
102.5°	2361.5	2321.2	2160.1	1999.0	2160.1	2321.2	2361.5	2214.1	2017.5	1919.2	1588.4
105°	2905.5	2883.8	2797.2	2710.6	2797.2	2883.8	2905.5	2574.9	2134.1	1913.8	1593.4
107.5°	3188.4	3193.6	3214.6	3235.5	3214.6	3193.6	3188.4	2727.3	2112.4	1805.0	1522.5
110°	3260.9	3283.5	3373.7	3464.0	3373.7	3283.5	3260.9	2745.4	2058.0	1714.3	1459.6



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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3214.7	3249.3	3387.9	3526.5	3387.9	3249.3	3214.7	2687.0	1983.5	1631.8	1404.8
115°	3057.8	3105.8	3298.0	3490.2	3298.0	3105.8	3057.8	2549.5	1871.8	1533.0	1341.8
117.5°	2841.1	2894.4	3107.6	3320.8	3107.6	2894.4	2841.1	2382.4	1770.8	1465.0	1302.4
120°	2695.2	2746.9	2954.1	3161.2	2954.1	2746.9	2695.2	2276.1	1717.3	1437.8	1289.2
122.5°	2549.2	2600.3	2804.6	3008.8	2804.6	2600.3	2549.2	2171.8	1668.6	1417.0	1282.2
125°	2356.1	2403.1	2591.3	2779.5	2591.3	2403.1	2356.1	2035.5	1608.1	1394.3	1276.5
127.5°	2201.1	2240.8	2399.5	2558.4	2399.5	2240.8	2201.1	1925.8	1558.7	1375.2	1273.1
130°	2103.2	2139.8	2286.5	2433.2	2286.5	2139.8	2103.2	1858.2	1531.4	1368.0	1275.2
132.5°	2019.8	2052.6	2183.9	2315.3	2183.9	2052.6	2019.8	1800.4	1507.9	1361.6	1276.5
135°	1902.0	1930.2	2043.5	2156.7	2043.5	1930.2	1902.0	1718.2	1473.3	1350.8	1275.2
137.5°	1814.9	1838.1	1930.8	2023.5	1930.8	1838.1	1814.9	1659.6	1452.5	1348.9	1283.1
140°	1745.2	1766.8	1853.4	1940.0	1853.4	1766.8	1745.2	1611.0	1432.1	1342.6	1284.4
142.5°	1696.1	1714.7	1789.4	1863.9	1789.4	1714.7	1696.1	1578.3	1421.2	1342.6	1289.1
145°	1622.8	1636.8	1693.2	1749.6	1693.2	1636.8	1622.8	1526.4	1397.8	1333.5	1289.1
147.5°	1561.1	1572.8	1619.5	1666.3	1619.5	1572.8	1561.1	1485.2	1384.1	1333.5	1297.9
150°	1525.7	1535.2	1573.1	1611.0	1573.1	1535.2	1525.7	1461.6	1376.3	1333.5	1302.5
152.5°	1497.6	1504.8	1533.3	1562.0	1533.3	1504.8	1497.6	1442.9	1370.0	1333.5	1305.5
155°	1464.1	1468.8	1487.7	1506.7	1487.7	1468.8	1464.1	1420.6	1362.5	1333.5	1312.2
157.5°	1435.1	1438.4	1451.8	1465.0	1451.8	1438.4	1435.1	1401.3	1356.1	1333.5	1318.8
160°	1420.6	1422.5	1430.1	1437.8	1430.1	1422.5	1420.6	1391.6	1352.9	1333.5	1321.8
162.5°	1407.0	1408.8	1416.0	1423.3	1416.0	1408.8	1407.0	1382.5	1349.8	1333.5	1325.1
165°	1386.2	1388.1	1395.7	1403.3	1395.7	1388.1	1386.2	1368.6	1345.3	1333.5	1329.7
167.5°	1377.0	1377.8	1381.1	1384.3	1381.1	1377.8	1377.0	1365.6	1350.3	1342.6	1339.4
170°	1377.0	1377.0	1377.0	1377.0	1377.0	1377.0	1377.0	1365.6	1350.3	1342.6	1342.5
172.5°	1369.8	1369.1	1366.3	1363.5	1366.3	1369.1	1369.8	1360.8	1348.7	1342.6	1342.6
175°	1359.8	1359.8	1359.8	1359.8	1359.8	1359.8	1359.8	1354.1	1346.4	1342.6	1344.5
177.5°	1358.1	1357.3	1354.0	1350.8	1354.0	1357.3	1358.1	1353.5	1347.4	1344.4	1345.8
180°	1350.8	1350.8	1350.8	1350.8	1350.8	1350.8	1350.8	1350.8	1350.8	1350.8	1350.8



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	2029.7	2029.7	2029.7	2029.7	2029.7
2.5°	2004.8	2014.4	2020.1	2027.7	2047.0
5°	1927.9	1964.5	1975.9	2004.8	2039.3
7.5°	1758.9	1870.3	1901.1	1970.2	2024.0
10°	1595.7	1707.1	1760.9	1924.0	2004.8
12.5°	1513.2	1578.4	1614.9	1843.4	1977.8
15°	1461.3	1507.4	1534.3	1735.9	1947.1
17.5°	1420.9	1453.6	1472.8	1630.2	1904.9
20°	1396.0	1411.3	1428.7	1553.5	1856.9
22.5°	1378.7	1369.1	1382.6	1499.7	1791.6
25°	1367.3	1330.7	1346.1	1457.5	1714.7
27.5°	1376.9	1296.1	1301.9	1419.1	1634.1
30°	1378.7	1253.9	1255.8	1378.7	1543.9
32.5°	1365.3	1209.8	1211.6	1328.8	1442.1
35°	1332.7	1157.9	1156.0	1271.2	1303.9
37.5°	1288.5	1102.2	1102.2	1207.9	1152.1
40°	1234.7	1046.5	1052.3	1125.3	1017.7
42.5°	1169.4	987.0	994.7	1015.8	917.8
45°	1098.4	929.4	935.2	858.3	841.1
47.5°	1019.7	869.9	871.8	712.4	816.1
50°	925.6	808.4	800.8	610.7	814.2
52.5°	843.0	741.2	718.1	553.0	739.3
55°	762.3	670.2	620.3	508.8	685.6
57.5°	691.3	578.0	529.9	457.0	674.0
60°	626.0	487.7	451.3	401.4	618.3
62.5°	572.2	420.5	412.9	362.9	560.7
65°	514.6	374.4	372.5	330.2	476.3
67.5°	458.9	343.7	341.8	299.5	362.9
70°	399.4	311.0	307.3	267.0	268.8
72.5°	338.0	274.6	270.7	240.0	222.8
75°	276.6	232.4	230.4	209.3	180.5
77.5°	217.0	184.3	188.2	169.0	132.5
80°	155.5	134.4	138.3	120.9	99.8
82.5°	103.7	88.4	92.2	76.8	67.2
85°	57.7	49.9	51.8	40.3	30.7
87.5°	26.8	23.1	23.1	15.4	9.6
90°	39.9	25.4	23.5	16.4	9.1
92.5°	246.0	175.0	159.6	97.9	36.2
95°	605.3	340.9	312.7	199.8	87.0
97.5°	815.3	374.4	349.5	250.0	150.5
100°	891.8	402.5	379.9	289.7	199.4
102.5°	926.8	430.6	409.6	325.4	241.2
105°	952.8	472.3	454.5	383.1	311.8
107.5°	957.6	533.9	517.3	450.9	384.4
110°	950.4	568.4	553.4	493.4	433.3



TEST NUMBER: P936099

CATALOG NUMBER: SQ4-FA-150U-100D-B35-1D-UNV-STD-W-6

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	950.7	610.1	595.7	538.6	481.4
115°	959.4	672.7	659.5	606.7	553.9
117.5°	977.3	733.4	721.4	673.5	625.5
120°	991.8	768.8	757.6	712.4	667.3
122.5°	1012.6	810.5	799.1	753.6	708.0
125°	1040.7	864.0	853.6	812.0	770.5
127.5°	1068.8	915.6	905.1	863.2	821.3
130°	1089.4	950.1	938.9	893.7	848.6
132.5°	1106.0	978.2	967.0	921.8	876.7
135°	1124.1	1010.9	1000.6	959.4	918.3
137.5°	1151.4	1052.5	1042.4	1001.7	961.0
140°	1167.9	1080.6	1071.2	1033.8	996.3
142.5°	1181.9	1101.5	1092.8	1058.1	1023.5
145°	1200.0	1133.2	1125.7	1095.5	1065.2
147.5°	1226.6	1173.1	1165.7	1136.3	1106.9
150°	1240.4	1193.9	1187.2	1160.7	1134.1
152.5°	1249.5	1207.6	1202.5	1182.4	1162.2
155°	1269.5	1237.4	1233.7	1218.8	1203.9
157.5°	1289.4	1267.4	1263.8	1249.2	1234.7
160°	1298.5	1280.9	1278.1	1266.9	1255.6
162.5°	1308.1	1295.5	1293.3	1284.9	1276.5
165°	1322.0	1316.3	1314.4	1306.8	1299.1
167.5°	1333.0	1328.1	1327.2	1323.6	1320.0
170°	1342.0	1341.7	1340.8	1337.1	1333.5
172.5°	1342.6	1342.6	1342.5	1341.6	1340.8
175°	1348.1	1350.8	1350.8	1350.8	1350.8
177.5°	1348.7	1350.8	1350.8	1350.8	1350.8
180°	1350.8	1350.8	1350.8	1350.8	1350.8



TEST NUMBER: P936099  
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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	12.32	13.08	13.38	14.14	15.58	15.14	15.90	16.20	16.97	18.40
	3H	12.79	13.47	13.86	14.54	16.00	16.48	17.16	17.55	18.23	19.69
	4H	12.98	13.62	14.05	14.69	16.16	16.92	17.56	18.00	18.64	20.10
	6H	13.09	13.68	14.18	14.76	16.23	17.20	17.79	18.28	18.87	20.34
	8H	13.09	13.65	14.18	14.74	16.21	17.27	17.83	18.36	18.92	20.39
	12H	13.06	13.59	14.15	14.68	16.17	17.30	17.84	18.40	18.92	20.42
4H	2H	13.34	13.98	14.42	15.06	16.52	15.54	16.19	16.63	17.26	18.72
	3H	14.36	14.89	15.45	15.99	17.47	17.04	17.57	18.13	18.67	20.15
	4H	14.63	15.12	15.73	16.21	17.71	17.56	18.05	18.66	19.14	20.64
	6H	14.75	15.17	15.85	16.28	17.77	17.92	18.34	19.02	19.45	20.94
	8H	14.75	15.15	15.86	16.25	17.76	18.02	18.42	19.13	19.52	21.03
	12H	14.71	15.07	15.84	16.19	17.70	18.07	18.43	19.19	19.55	21.06
8H	4H	15.07	15.47	16.18	16.57	18.08	17.68	18.07	18.78	19.17	20.68
	6H	15.33	15.66	16.46	16.80	18.31	18.11	18.43	19.23	19.58	21.08
	8H	15.37	15.66	16.51	16.78	18.31	18.26	18.54	19.39	19.67	21.19
	12H	15.35	15.60	16.49	16.73	18.29	18.35	18.60	19.49	19.72	21.28
12H	4H	15.07	15.43	16.20	16.55	18.06	17.63	17.99	18.76	19.11	20.62
	6H	15.39	15.68	16.52	16.80	18.33	18.10	18.39	19.24	19.51	21.04
	8H	15.45	15.70	16.59	16.83	18.39	18.26	18.51	19.40	19.63	21.19