

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: P936019

Luminaire Tested: SQ4-FA-150U-100D-840-1D-UNV-STD-W-6

Issue Date: 12/17/2024

**Test Information**

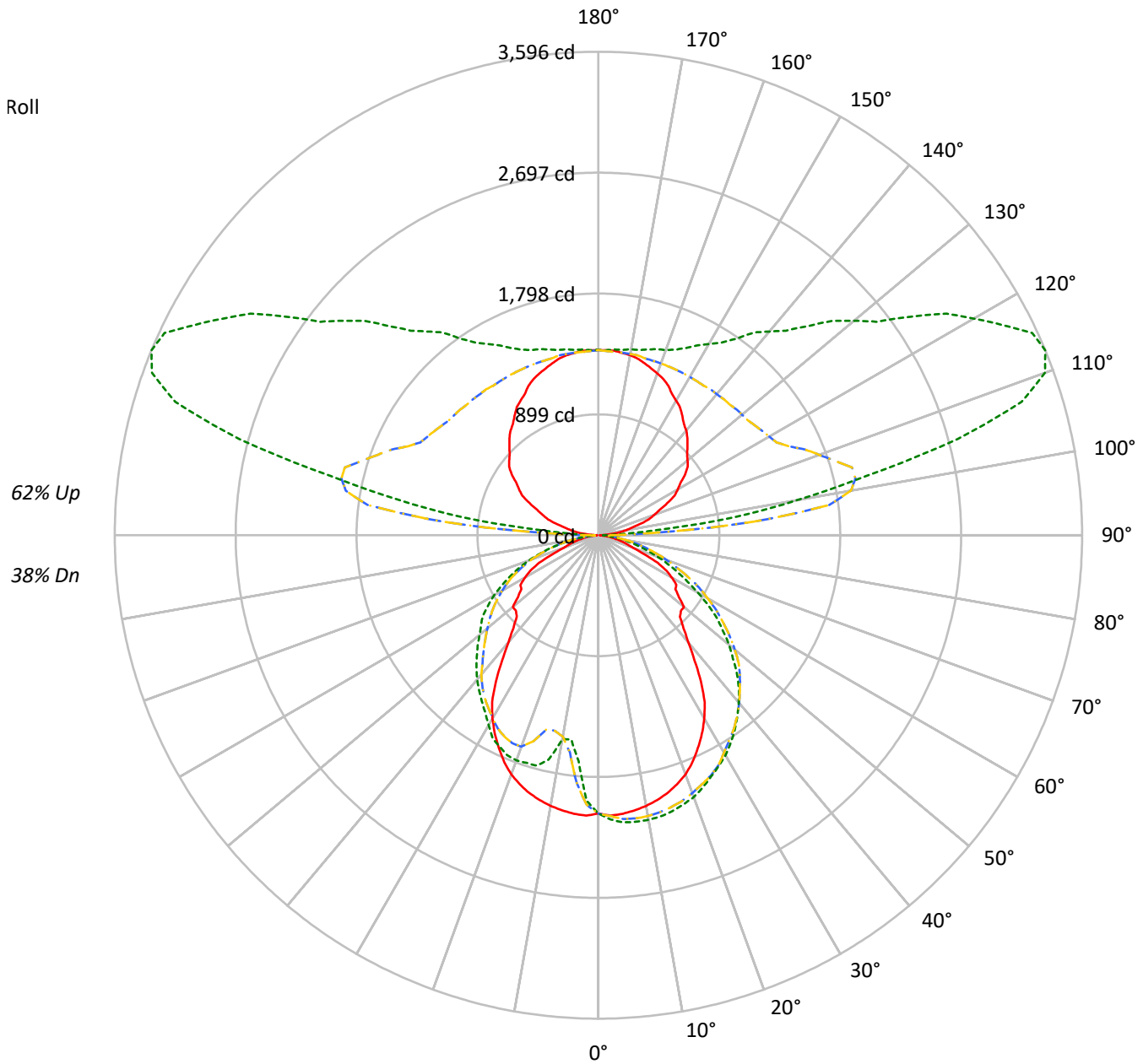
Test Method: LM-79-2019  
Report Number: P936019  
REPORT IS A COMBINATION OF REPORTS P933779 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-150U-100D-840-1D-UNV-STD-W-6  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 14299.3 lumens  
Efficiency: N/A  
Efficacy: 131.7 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°	12802	12802	12802	12802
5°	12893	12923	12893	10161
10°	12803	12730	12803	9101
15°	12658	12454	12658	10400
20°	12389	12127	12389	10421
25°	11842	11651	11842	10200
30°	11138	11255	11138	9716
35°	9924	10754	9924	9183
40°	8264	10166	8264	8780
45°	7380	9476	7380	8317
50°	7833	8654	7833	7852
55°	7364	7767	7364	7584
60°	7581	6597	7581	6946
65°	6863	5453	6863	6096
70°	4741	4346	4741	5109
75°	4143	3213	4143	3847
80°	3313	2125	3313	2313
85°	1866	1125	1866	957

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 11318 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	186.8	1.3
10°-20°	530.4	3.7
20°-30°	819.9	5.7
30°-40°	978.8	6.8
40°-50°	984.5	6.9
50°-60°	856.7	6.0
60°-70°	607.4	4.2
70°-80°	321.3	2.2
80°-90°	85.3	0.6
90°-100°	671.4	4.7
100°-110°	1765.0	12.3
110°-120°	1830.1	12.8
120°-130°	1468.0	10.3
130°-140°	1151.8	8.1
140°-150°	884.1	6.2
150°-160°	636.7	4.5
160°-170°	389.6	2.7
170°-180°	131.6	0.9
0°-30°	1537.1	10.7
0°-40°	2515.9	17.6
0°-60°	4357.1	30.5
0°-90°	5371.1	37.6
90°-120°	4266.5	29.8
90°-150°	7770.4	54.3
90°-180°	8928.0	62.4
0°-180°	14299.3	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	2070	2070	2070	2070	2070	
5°	2079	2144	2079	1686	2079	197
15°	1985	2124	1985	1774	1985	559
25°	1748	1981	1748	1735	1748	803
35°	1330	1768	1330	1510	1330	822
45°	858	1457	858	1278	858	687
55°	699	1075	699	1050	699	642
65°	486	648	486	724	486	464
75°	184	307	184	368	184	194
85°	31	78	31	67	31	42
90°	9	35	9	35	9	9
95°	89	406	89	406	89	99
105°	318	2764	318	2764	318	337
115°	565	3559	565	3559	565	558
125°	786	2834	786	2834	786	698
135°	936	2199	936	2199	936	724
145°	1086	1784	1086	1784	1086	680
155°	1228	1536	1228	1536	1228	564
165°	1325	1431	1325	1431	1325	374
175°	1377	1386	1377	1386	1377	131
180°	1377	1377	1377	1377	1377	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2069.5	2069.5	2069.5	2069.5	2069.5	2069.5	2069.5	2069.5	2069.5	2069.5	2069.5
2.5°	2087.2	2087.2	2098.9	2102.8	2102.8	2096.9	2091.0	2096.9	2114.5	2120.4	2118.5
5°	2079.2	2095.0	2116.5	2120.4	2124.3	2122.3	2118.5	2122.3	2141.9	2145.8	2147.8
7.5°	2063.6	2093.0	2120.4	2126.3	2132.1	2126.3	2124.3	2128.3	2147.8	2151.8	2151.8
10°	2044.1	2085.2	2116.5	2120.4	2126.3	2120.4	2120.4	2128.3	2147.8	2151.8	2153.6
12.5°	2016.6	2073.4	2102.8	2106.7	2114.5	2112.5	2110.6	2118.5	2138.0	2141.9	2141.9
15°	1985.3	2051.9	2079.2	2083.2	2096.9	2093.0	2093.0	2100.8	2122.3	2128.3	2126.3
17.5°	1942.2	2024.4	2055.8	2061.7	2071.4	2069.5	2071.4	2079.2	2098.9	2102.8	2104.7
20°	1893.3	1987.3	2024.4	2030.3	2040.1	2040.1	2040.1	2049.9	2069.5	2077.4	2077.4
22.5°	1826.7	1948.1	1987.3	1991.2	2003.0	2003.0	2006.8	2020.6	2038.1	2040.1	2040.1
25°	1748.4	1905.1	1938.4	1950.0	1961.8	1967.7	1973.5	1981.4	1987.3	1985.3	1987.3
27.5°	1666.2	1850.2	1893.3	1901.1	1916.8	1922.6	1930.5	1932.4	1934.4	1940.2	1936.4
30°	1574.2	1773.9	1838.5	1846.3	1871.8	1875.6	1867.8	1871.8	1881.5	1885.5	1889.4
32.5°	1470.3	1660.3	1781.7	1799.3	1822.8	1811.0	1809.1	1815.0	1830.7	1830.7	1834.5
35°	1329.5	1572.2	1728.8	1744.5	1762.1	1748.4	1756.3	1758.1	1767.9	1773.9	1771.9
37.5°	1174.7	1495.8	1674.0	1685.7	1699.5	1681.9	1693.5	1699.5	1707.3	1703.4	1703.4
40°	1037.7	1376.4	1609.4	1617.3	1629.0	1615.3	1627.0	1630.9	1634.8	1630.9	1629.0
42.5°	935.8	1245.2	1540.9	1550.7	1542.9	1552.6	1556.5	1564.4	1558.5	1550.7	1550.7
45°	857.6	1210.0	1466.5	1478.2	1466.5	1482.1	1488.0	1488.0	1470.3	1466.5	1464.5
47.5°	832.1	1139.5	1392.1	1392.1	1386.2	1405.7	1415.5	1401.9	1384.2	1378.4	1378.4
50°	830.1	1061.2	1290.2	1282.4	1309.8	1333.3	1323.5	1309.8	1296.2	1274.6	1274.6
52.5°	753.7	965.3	1159.0	1188.5	1231.5	1245.2	1229.6	1215.8	1192.3	1182.5	1174.7
55°	699.0	865.4	1039.7	1098.4	1143.4	1161.0	1131.7	1117.9	1082.7	1076.8	1073.0
57.5°	687.3	720.5	930.0	1004.4	1059.2	1057.3	1039.7	1014.2	984.8	978.9	977.0
60°	630.4	520.8	812.5	900.7	957.4	951.5	935.8	912.4	885.0	881.1	877.1
62.5°	571.7	377.9	679.3	779.2	859.6	857.6	843.9	808.6	789.0	779.2	771.4
65°	485.6	317.1	483.6	648.0	763.6	767.5	738.1	712.6	691.1	679.3	677.5
67.5°	370.0	258.5	326.9	540.3	671.5	667.7	630.4	618.7	591.3	585.4	573.6
70°	274.1	172.3	227.1	438.6	581.5	571.7	542.3	528.7	503.2	489.5	481.6
72.5°	227.1	139.0	166.4	340.7	489.5	477.7	452.3	436.6	415.1	403.3	395.5
75°	184.1	146.8	127.3	252.5	397.5	389.7	366.2	350.4	332.9	317.1	319.1
77.5°	135.1	137.0	101.8	186.0	315.2	303.5	289.8	270.2	262.3	246.7	246.7
80°	101.8	107.7	76.4	127.3	227.1	227.1	215.4	201.7	187.9	180.1	180.1
82.5°	68.6	68.6	56.8	80.2	154.7	148.8	141.0	137.0	129.2	125.3	125.3
85°	31.3	39.1	35.3	48.9	84.2	88.1	88.1	84.2	82.2	78.3	80.2
87.5°	9.8	17.6	21.5	27.4	43.1	45.1	47.0	47.0	47.0	48.9	48.9
90°	9.3	16.7	24.0	25.9	40.7	60.4	70.2	62.4	46.8	35.2	35.2
92.5°	37.0	99.8	162.7	178.4	250.9	347.4	395.6	346.7	249.0	175.7	168.7
95°	88.7	203.7	318.8	347.6	617.2	976.6	1156.4	1031.9	782.9	596.2	575.0
97.5°	153.4	254.9	356.4	381.8	831.3	1430.7	1730.4	1651.7	1494.4	1376.4	1336.1
100°	203.3	295.4	387.4	410.4	909.3	1574.4	1906.9	1912.7	1924.2	1932.8	1884.9
102.5°	245.9	331.8	417.6	439.1	945.0	1619.5	1956.8	2057.0	2257.5	2407.9	2366.8
105°	317.9	390.7	463.4	481.6	971.5	1624.7	1951.3	2176.0	2625.4	2962.5	2940.4
107.5°	391.9	459.7	527.5	544.4	976.3	1552.3	1840.3	2153.8	2780.7	3250.9	3256.3
110°	441.8	503.1	564.2	579.6	969.0	1488.2	1747.9	2098.3	2799.2	3324.8	3347.8



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	490.8	549.1	607.4	622.0	969.3	1432.3	1663.8	2022.4	2739.7	3277.7	3313.1
115°	564.7	618.6	672.4	685.9	978.2	1368.1	1563.0	1908.5	2599.5	3117.7	3166.7
117.5°	637.8	686.7	735.6	747.8	996.5	1328.0	1493.8	1805.6	2429.1	2896.8	2951.2
120°	680.3	726.4	772.4	783.9	1011.2	1314.4	1466.0	1750.9	2320.7	2748.0	2800.8
122.5°	721.9	768.4	814.8	826.4	1032.5	1307.3	1444.8	1701.3	2214.4	2599.2	2651.3
125°	785.7	827.9	870.3	880.9	1061.1	1301.5	1421.6	1639.6	2075.4	2402.3	2450.2
127.5°	837.4	880.1	922.9	933.6	1089.8	1298.0	1402.2	1589.3	1963.6	2244.2	2284.8
130°	865.2	911.2	957.3	968.7	1110.8	1300.2	1394.9	1561.4	1894.6	2144.5	2181.8
132.5°	893.8	939.9	985.9	997.4	1127.7	1301.5	1388.3	1537.4	1835.7	2059.4	2092.9
135°	936.3	978.2	1020.2	1030.7	1146.2	1300.2	1377.3	1502.2	1751.9	1939.2	1968.1
137.5°	979.8	1021.3	1062.8	1073.2	1173.9	1308.2	1375.4	1481.0	1692.1	1850.5	1874.1
140°	1015.9	1054.1	1092.2	1101.8	1190.8	1309.6	1369.0	1460.2	1642.6	1779.4	1801.4
142.5°	1043.5	1078.9	1114.3	1123.1	1205.1	1314.3	1369.0	1449.1	1609.3	1729.4	1748.4
145°	1086.1	1116.9	1147.8	1155.5	1223.5	1314.3	1359.7	1425.2	1556.3	1654.6	1668.9
147.5°	1128.6	1158.6	1188.6	1196.1	1250.6	1323.3	1359.7	1411.3	1514.3	1591.7	1603.6
150°	1156.4	1183.4	1210.5	1217.3	1264.7	1328.1	1359.7	1403.3	1490.3	1555.6	1565.3
152.5°	1185.0	1205.6	1226.1	1231.2	1274.0	1331.1	1359.7	1396.8	1471.2	1527.0	1534.3
155°	1227.5	1242.7	1257.9	1261.7	1294.4	1337.9	1359.7	1389.2	1448.4	1492.8	1497.6
157.5°	1258.9	1273.7	1288.5	1292.2	1314.7	1344.7	1359.7	1382.7	1428.7	1463.2	1466.6
160°	1280.3	1291.7	1303.2	1306.0	1323.9	1347.7	1359.7	1379.4	1418.9	1448.4	1450.4
162.5°	1301.5	1310.1	1318.7	1320.9	1333.8	1351.1	1359.7	1376.3	1409.6	1434.6	1436.5
165°	1324.6	1332.4	1340.1	1342.1	1347.9	1355.7	1359.7	1371.6	1395.5	1413.3	1415.3
167.5°	1345.9	1349.5	1353.3	1354.2	1359.1	1365.7	1369.0	1376.8	1392.4	1404.0	1404.8
170°	1359.7	1363.3	1367.1	1368.0	1368.3	1368.8	1369.0	1376.8	1392.4	1404.0	1404.0
172.5°	1367.1	1367.9	1368.8	1369.0	1369.0	1369.0	1369.0	1375.1	1387.4	1396.6	1395.9
175°	1377.3	1377.3	1377.3	1377.3	1374.5	1370.8	1369.0	1372.8	1380.6	1386.5	1386.5
177.5°	1377.3	1377.3	1377.3	1377.3	1375.1	1372.2	1370.8	1373.8	1380.0	1384.7	1383.9
180°	1377.3	1377.3	1377.3	1377.3	1377.3	1377.3	1377.3	1377.3	1377.3	1377.3	1377.3



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2069.5	2069.5	2069.5	2069.5	2069.5	2069.5	2069.5	2069.5	2069.5	2069.5	2069.5
2.5°	2122.3	2116.5	2122.3	2118.5	2120.4	2114.5	2096.9	2091.0	2096.9	2102.8	2102.8
5°	2147.8	2143.9	2147.8	2147.8	2145.8	2141.9	2122.3	2118.5	2122.3	2124.3	2120.4
7.5°	2155.6	2149.8	2155.6	2151.8	2151.8	2147.8	2128.3	2124.3	2126.3	2132.1	2126.3
10°	2155.6	2149.8	2155.6	2153.6	2151.8	2147.8	2128.3	2120.4	2120.4	2126.3	2120.4
12.5°	2145.8	2141.9	2145.8	2141.9	2141.9	2138.0	2118.5	2110.6	2112.5	2114.5	2106.7
15°	2130.2	2124.3	2130.2	2126.3	2128.3	2122.3	2100.8	2093.0	2093.0	2096.9	2083.2
17.5°	2106.7	2098.9	2106.7	2104.7	2102.8	2098.9	2079.2	2071.4	2069.5	2071.4	2061.7
20°	2079.2	2073.4	2079.2	2077.4	2077.4	2069.5	2049.9	2040.1	2040.1	2040.1	2030.3
22.5°	2036.2	2030.3	2036.2	2040.1	2040.1	2038.1	2020.6	2006.8	2003.0	2003.0	1991.2
25°	1987.3	1981.4	1987.3	1987.3	1985.3	1987.3	1981.4	1973.5	1967.7	1961.8	1950.0
27.5°	1940.2	1936.4	1940.2	1936.4	1940.2	1934.4	1932.4	1930.5	1922.6	1916.8	1901.1
30°	1893.3	1889.4	1893.3	1889.4	1885.5	1881.5	1871.8	1867.8	1875.6	1871.8	1846.3
32.5°	1834.5	1830.7	1834.5	1834.5	1830.7	1830.7	1815.0	1809.1	1811.0	1822.8	1799.3
35°	1773.9	1767.9	1773.9	1771.9	1773.9	1767.9	1758.1	1756.3	1748.4	1762.1	1744.5
37.5°	1703.4	1697.5	1703.4	1703.4	1703.4	1707.3	1699.5	1693.5	1681.9	1699.5	1685.7
40°	1630.9	1623.1	1630.9	1629.0	1630.9	1634.8	1630.9	1627.0	1615.3	1629.0	1617.3
42.5°	1548.7	1546.7	1548.7	1550.7	1550.7	1558.5	1564.4	1556.5	1552.6	1542.9	1550.7
45°	1460.6	1456.7	1460.6	1464.5	1466.5	1470.3	1488.0	1488.0	1482.1	1466.5	1478.2
47.5°	1366.6	1356.8	1366.6	1378.4	1378.4	1384.2	1401.9	1415.5	1405.7	1386.2	1392.1
50°	1266.7	1268.7	1266.7	1274.6	1274.6	1296.2	1309.8	1323.5	1333.3	1309.8	1282.4
52.5°	1168.9	1166.9	1168.9	1174.7	1182.5	1192.3	1215.8	1229.6	1245.2	1231.5	1188.5
55°	1071.0	1074.8	1071.0	1073.0	1076.8	1082.7	1117.9	1131.7	1161.0	1143.4	1098.4
57.5°	973.1	967.2	973.1	977.0	978.9	984.8	1014.2	1039.7	1057.3	1059.2	1004.4
60°	859.6	851.7	859.6	877.1	881.1	885.0	912.4	935.8	951.5	957.4	900.7
62.5°	759.7	745.9	759.7	771.4	779.2	789.0	808.6	843.9	857.6	859.6	779.2
65°	654.0	648.0	654.0	677.5	679.3	691.1	712.6	738.1	767.5	763.6	648.0
67.5°	558.0	558.0	558.0	573.6	585.4	591.3	618.7	630.4	667.7	671.5	540.3
70°	469.9	467.9	469.9	481.6	489.5	503.2	528.7	542.3	571.7	581.5	438.6
72.5°	385.7	383.7	385.7	395.5	403.3	415.1	436.6	452.3	477.7	489.5	340.7
75°	311.3	307.4	311.3	319.1	317.1	332.9	350.4	366.2	389.7	397.5	252.5
77.5°	238.9	238.9	238.9	246.7	246.7	262.3	270.2	289.8	303.5	315.2	186.0
80°	178.1	176.3	178.1	180.1	180.1	187.9	201.7	215.4	227.1	227.1	127.3
82.5°	125.3	121.4	125.3	125.3	125.3	129.2	137.0	141.0	148.8	154.7	80.2
85°	78.3	78.3	78.3	80.2	78.3	82.2	84.2	88.1	88.1	84.2	48.9
87.5°	50.9	48.9	50.9	48.9	48.9	47.0	47.0	47.0	45.1	43.1	27.4
90°	35.2	35.2	35.2	35.2	35.2	46.8	62.4	70.2	60.4	40.7	25.9
92.5°	140.7	112.7	140.7	168.7	175.7	249.0	346.7	395.6	347.4	250.9	178.4
95°	490.3	405.8	490.3	575.0	596.2	782.9	1031.9	1156.4	976.6	617.2	347.6
97.5°	1175.0	1014.0	1175.0	1336.1	1376.4	1494.4	1651.7	1730.4	1430.7	831.3	381.8
100°	1693.0	1501.2	1693.0	1884.9	1932.8	1924.2	1912.7	1906.9	1574.4	909.3	410.4
102.5°	2202.4	2038.1	2202.4	2366.8	2407.9	2257.5	2057.0	1956.8	1619.5	945.0	439.1
105°	2852.1	2763.7	2852.1	2940.4	2962.5	2625.4	2176.0	1951.3	1624.7	971.5	481.6
107.5°	3277.6	3298.9	3277.6	3256.3	3250.9	2780.7	2153.8	1840.3	1552.3	976.3	544.4
110°	3439.8	3531.9	3439.8	3347.8	3324.8	2799.2	2098.3	1747.9	1488.2	969.0	579.6





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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3454.3	3595.6	3454.3	3313.1	3277.7	2739.7	2022.4	1663.8	1432.3	969.3	622.0
115°	3362.7	3558.7	3362.7	3166.7	3117.7	2599.5	1908.5	1563.0	1368.1	978.2	685.9
117.5°	3168.5	3385.9	3168.5	2951.2	2896.8	2429.1	1805.6	1493.8	1328.0	996.5	747.8
120°	3012.0	3223.2	3012.0	2800.8	2748.0	2320.7	1750.9	1466.0	1314.4	1011.2	783.9
122.5°	2859.6	3067.8	2859.6	2651.3	2599.2	2214.4	1701.3	1444.8	1307.3	1032.5	826.4
125°	2642.1	2834.0	2642.1	2450.2	2402.3	2075.4	1639.6	1421.6	1301.5	1061.1	880.9
127.5°	2446.6	2608.5	2446.6	2284.8	2244.2	1963.6	1589.3	1402.2	1298.0	1089.8	933.6
130°	2331.4	2480.9	2331.4	2181.8	2144.5	1894.6	1561.4	1394.9	1300.2	1110.8	968.7
132.5°	2226.8	2360.7	2226.8	2092.9	2059.4	1835.7	1537.4	1388.3	1301.5	1127.7	997.4
135°	2083.6	2199.0	2083.6	1968.1	1939.2	1751.9	1502.2	1377.3	1300.2	1146.2	1030.7
137.5°	1968.7	2063.1	1968.7	1874.1	1850.5	1692.1	1481.0	1375.4	1308.2	1173.9	1073.2
140°	1889.7	1978.1	1889.7	1801.4	1779.4	1642.6	1460.2	1369.0	1309.6	1190.8	1101.8
142.5°	1824.4	1900.4	1824.4	1748.4	1729.4	1609.3	1449.1	1369.0	1314.3	1205.1	1123.1
145°	1726.4	1783.9	1726.4	1668.9	1654.6	1556.3	1425.2	1359.7	1314.3	1223.5	1155.5
147.5°	1651.2	1699.0	1651.2	1603.6	1591.7	1514.3	1411.3	1359.7	1323.3	1250.6	1196.1
150°	1603.9	1642.6	1603.9	1565.3	1555.6	1490.3	1403.3	1359.7	1328.1	1264.7	1217.3
152.5°	1563.4	1592.7	1563.4	1534.3	1527.0	1471.2	1396.8	1359.7	1331.1	1274.0	1231.2
155°	1516.9	1536.2	1516.9	1497.6	1492.8	1448.4	1389.2	1359.7	1337.9	1294.4	1261.7
157.5°	1480.2	1493.8	1480.2	1466.6	1463.2	1428.7	1382.7	1359.7	1344.7	1314.7	1292.2
160°	1458.2	1466.0	1458.2	1450.4	1448.4	1418.9	1379.4	1359.7	1347.7	1323.9	1306.0
162.5°	1443.8	1451.2	1443.8	1436.5	1434.6	1409.6	1376.3	1359.7	1351.1	1333.8	1320.9
165°	1423.0	1430.8	1423.0	1415.3	1413.3	1395.5	1371.6	1359.7	1355.7	1347.9	1342.1
167.5°	1408.2	1411.5	1408.2	1404.8	1404.0	1392.4	1376.8	1369.0	1365.7	1359.1	1354.2
170°	1404.0	1404.0	1404.0	1404.0	1404.0	1392.4	1376.8	1369.0	1368.8	1368.3	1368.0
172.5°	1393.1	1390.2	1393.1	1395.9	1396.6	1387.4	1375.1	1369.0	1369.0	1369.0	1369.0
175°	1386.5	1386.5	1386.5	1386.5	1386.5	1380.6	1372.8	1369.0	1370.8	1374.5	1377.3
177.5°	1380.5	1377.3	1380.5	1383.9	1384.7	1380.0	1373.8	1370.8	1372.2	1375.1	1377.3
180°	1377.3	1377.3	1377.3	1377.3	1377.3	1377.3	1377.3	1377.3	1377.3	1377.3	1377.3



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**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2069.5	2069.5	2069.5	2069.5	2069.5	2069.5	2069.5	2069.5	2069.5	2069.5	2069.5
2.5°	2098.9	2087.2	2087.2	2067.5	2059.7	2053.9	2044.1	2014.6	2006.8	1999.0	2010.8
5°	2116.5	2095.0	2079.2	2044.1	2014.6	2003.0	1965.7	1895.3	1848.3	1813.0	1793.4
7.5°	2120.4	2093.0	2063.6	2008.8	1938.4	1906.9	1793.4	1664.2	1629.0	1597.6	1578.0
10°	2116.5	2085.2	2044.1	1961.8	1795.4	1740.6	1627.0	1542.9	1521.3	1515.4	1521.3
12.5°	2102.8	2073.4	2016.6	1879.6	1646.6	1609.4	1542.9	1493.9	1490.0	1499.8	1552.6
15°	2079.2	2051.9	1985.3	1769.9	1564.4	1536.9	1490.0	1472.3	1493.9	1562.4	1721.0
17.5°	2055.8	2024.4	1942.2	1662.2	1501.7	1482.1	1448.8	1484.1	1605.5	1697.5	1750.3
20°	2024.4	1987.3	1893.3	1584.0	1456.7	1439.0	1423.4	1582.0	1674.0	1707.3	1736.6
22.5°	1987.3	1948.1	1826.7	1529.1	1409.7	1395.9	1405.7	1636.8	1674.0	1697.5	1723.0
25°	1938.4	1905.1	1748.4	1486.1	1372.5	1356.8	1394.1	1630.9	1652.4	1658.4	1709.2
27.5°	1893.3	1850.2	1666.2	1446.9	1327.5	1321.5	1403.8	1605.5	1621.1	1627.0	1681.9
30°	1838.5	1773.9	1574.2	1405.7	1280.4	1278.5	1405.7	1574.2	1570.2	1585.9	1640.7
32.5°	1781.7	1660.3	1470.3	1354.8	1235.4	1233.5	1392.1	1527.2	1523.2	1544.7	1585.9
35°	1728.8	1572.2	1329.5	1296.2	1178.7	1180.6	1358.8	1472.3	1474.3	1493.9	1519.3
37.5°	1674.0	1495.8	1174.7	1231.5	1123.8	1123.8	1313.7	1421.4	1417.5	1423.4	1458.6
40°	1609.4	1376.4	1037.7	1147.4	1073.0	1067.0	1258.9	1366.6	1352.9	1351.0	1399.9
42.5°	1540.9	1245.2	935.8	1035.7	1014.2	1006.4	1192.3	1300.0	1274.6	1280.4	1343.1
45°	1466.5	1210.0	857.6	875.2	953.5	947.6	1119.9	1223.6	1206.1	1221.8	1286.4
47.5°	1392.1	1139.5	832.1	726.4	888.9	886.9	1039.7	1149.2	1139.5	1155.2	1223.6
50°	1290.2	1061.2	830.1	622.6	816.5	824.3	943.7	1076.8	1076.8	1090.6	1163.0
52.5°	1159.0	965.3	753.7	563.9	732.2	755.7	859.6	1014.2	1018.1	1031.8	1096.4
55°	1039.7	865.4	699.0	518.8	632.4	683.3	777.3	949.6	957.4	971.1	1029.9
57.5°	930.0	720.5	687.3	465.9	540.3	589.3	704.8	886.9	890.9	902.6	959.3
60°	812.5	520.8	630.4	409.2	460.1	497.3	638.2	812.5	826.3	834.1	883.0
62.5°	679.3	377.9	571.7	370.0	421.0	428.8	583.4	742.1	759.7	765.5	794.9
65°	483.6	317.1	485.6	336.7	379.8	381.8	524.7	669.6	685.3	695.1	716.6
67.5°	326.9	258.5	370.0	305.4	348.5	350.4	467.9	585.4	606.9	614.7	628.5
70°	227.1	172.3	274.1	272.2	313.3	317.1	407.3	509.0	528.7	534.5	542.3
72.5°	166.4	139.0	227.1	244.7	276.0	280.0	344.6	422.9	442.5	448.4	452.3
75°	127.3	146.8	184.1	213.4	234.9	236.9	282.0	344.6	358.2	362.2	364.2
77.5°	101.8	137.0	135.1	172.3	191.9	187.9	221.2	266.3	278.0	278.0	278.0
80°	76.4	107.7	101.8	123.3	141.0	137.0	158.6	189.9	193.8	197.7	195.8
82.5°	56.8	68.6	68.6	78.3	94.0	90.1	105.7	123.3	123.3	123.3	127.3
85°	35.3	39.1	31.3	41.1	52.9	50.9	58.8	66.6	68.6	68.6	64.6
87.5°	21.5	17.6	9.8	15.7	23.5	23.5	27.4	29.3	27.4	27.4	27.4
90°	24.0	16.7	9.3	16.7	24.0	25.9	40.7	60.4	70.2	62.4	46.8
92.5°	162.7	99.8	37.0	99.8	162.7	178.4	250.9	347.4	395.6	346.7	249.0
95°	318.8	203.7	88.7	203.7	318.8	347.6	617.2	976.6	1156.4	1031.9	782.9
97.5°	356.4	254.9	153.4	254.9	356.4	381.8	831.3	1430.7	1730.4	1651.7	1494.4
100°	387.4	295.4	203.3	295.4	387.4	410.4	909.3	1574.4	1906.9	1912.7	1924.2
102.5°	417.6	331.8	245.9	331.8	417.6	439.1	945.0	1619.5	1956.8	2057.0	2257.5
105°	463.4	390.7	317.9	390.7	463.4	481.6	971.5	1624.7	1951.3	2176.0	2625.4
107.5°	527.5	459.7	391.9	459.7	527.5	544.4	976.3	1552.3	1840.3	2153.8	2780.7
110°	564.2	503.1	441.8	503.1	564.2	579.6	969.0	1488.2	1747.9	2098.3	2799.2



TEST NUMBER: P936019

CATALOG NUMBER: SQ4-FA-150U-100D-840-1D-UNV-STD-W-6

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	607.4	549.1	490.8	549.1	607.4	622.0	969.3	1432.3	1663.8	2022.4	2739.7
115°	672.4	618.6	564.7	618.6	672.4	685.9	978.2	1368.1	1563.0	1908.5	2599.5
117.5°	735.6	686.7	637.8	686.7	735.6	747.8	996.5	1328.0	1493.8	1805.6	2429.1
120°	772.4	726.4	680.3	726.4	772.4	783.9	1011.2	1314.4	1466.0	1750.9	2320.7
122.5°	814.8	768.4	721.9	768.4	814.8	826.4	1032.5	1307.3	1444.8	1701.3	2214.4
125°	870.3	827.9	785.7	827.9	870.3	880.9	1061.1	1301.5	1421.6	1639.6	2075.4
127.5°	922.9	880.1	837.4	880.1	922.9	933.6	1089.8	1298.0	1402.2	1589.3	1963.6
130°	957.3	911.2	865.2	911.2	957.3	968.7	1110.8	1300.2	1394.9	1561.4	1894.6
132.5°	985.9	939.9	893.8	939.9	985.9	997.4	1127.7	1301.5	1388.3	1537.4	1835.7
135°	1020.2	978.2	936.3	978.2	1020.2	1030.7	1146.2	1300.2	1377.3	1502.2	1751.9
137.5°	1062.8	1021.3	979.8	1021.3	1062.8	1073.2	1173.9	1308.2	1375.4	1481.0	1692.1
140°	1092.2	1054.1	1015.9	1054.1	1092.2	1101.8	1190.8	1309.6	1369.0	1460.2	1642.6
142.5°	1114.3	1078.9	1043.5	1078.9	1114.3	1123.1	1205.1	1314.3	1369.0	1449.1	1609.3
145°	1147.8	1116.9	1086.1	1116.9	1147.8	1155.5	1223.5	1314.3	1359.7	1425.2	1556.3
147.5°	1188.6	1158.6	1128.6	1158.6	1188.6	1196.1	1250.6	1323.3	1359.7	1411.3	1514.3
150°	1210.5	1183.4	1156.4	1183.4	1210.5	1217.3	1264.7	1328.1	1359.7	1403.3	1490.3
152.5°	1226.1	1205.6	1185.0	1205.6	1226.1	1231.2	1274.0	1331.1	1359.7	1396.8	1471.2
155°	1257.9	1242.7	1227.5	1242.7	1257.9	1261.7	1294.4	1337.9	1359.7	1389.2	1448.4
157.5°	1288.5	1273.7	1258.9	1273.7	1288.5	1292.2	1314.7	1344.7	1359.7	1382.7	1428.7
160°	1303.2	1291.7	1280.3	1291.7	1303.2	1306.0	1323.9	1347.7	1359.7	1379.4	1418.9
162.5°	1318.7	1310.1	1301.5	1310.1	1318.7	1320.9	1333.8	1351.1	1359.7	1376.3	1409.6
165°	1340.1	1332.4	1324.6	1332.4	1340.1	1342.1	1347.9	1355.7	1359.7	1371.6	1395.5
167.5°	1353.3	1349.5	1345.9	1349.5	1353.3	1354.2	1359.1	1365.7	1369.0	1376.8	1392.4
170°	1367.1	1363.3	1359.7	1363.3	1367.1	1368.0	1368.3	1368.8	1369.0	1376.8	1392.4
172.5°	1368.8	1367.9	1367.1	1367.9	1368.8	1369.0	1369.0	1369.0	1369.0	1375.1	1387.4
175°	1377.3	1377.3	1377.3	1377.3	1377.3	1377.3	1377.3	1374.5	1370.8	1369.0	1380.6
177.5°	1377.3	1377.3	1377.3	1377.3	1377.3	1377.3	1377.3	1375.1	1372.2	1370.8	1380.0
180°	1377.3	1377.3	1377.3	1377.3	1377.3	1377.3	1377.3	1377.3	1377.3	1377.3	1377.3



TEST NUMBER: P936019  
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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2069.5	2069.5	2069.5	2069.5	2069.5	2069.5	2069.5	2069.5	2069.5	2069.5	2069.5
2.5°	1997.0	1991.2	1999.0	1977.5	1999.0	1991.2	1997.0	2010.8	1999.0	2006.8	2014.6
5°	1752.3	1742.5	1711.2	1685.7	1711.2	1742.5	1752.3	1793.4	1813.0	1848.3	1895.3
7.5°	1566.3	1558.5	1550.7	1535.0	1550.7	1558.5	1566.3	1578.0	1597.6	1629.0	1664.2
10°	1525.2	1527.2	1538.9	1536.9	1538.9	1527.2	1525.2	1521.3	1515.4	1521.3	1542.9
12.5°	1630.9	1648.6	1713.2	1709.2	1713.2	1648.6	1630.9	1552.6	1499.8	1490.0	1493.9
15°	1752.3	1758.1	1771.9	1773.9	1771.9	1758.1	1752.3	1721.0	1562.4	1493.9	1472.3
17.5°	1764.1	1766.0	1775.8	1775.8	1775.8	1766.0	1764.1	1750.3	1697.5	1605.5	1484.1
20°	1754.3	1758.1	1777.8	1781.7	1777.8	1758.1	1754.3	1736.6	1707.3	1674.0	1582.0
22.5°	1750.3	1758.1	1773.9	1771.9	1773.9	1758.1	1750.3	1723.0	1697.5	1674.0	1636.8
25°	1730.8	1730.8	1732.8	1734.7	1732.8	1730.8	1730.8	1709.2	1658.4	1652.4	1630.9
27.5°	1689.7	1693.5	1705.3	1703.4	1705.3	1693.5	1689.7	1681.9	1627.0	1621.1	1605.5
30°	1652.4	1648.6	1638.8	1630.9	1638.8	1648.6	1652.4	1640.7	1585.9	1570.2	1574.2
32.5°	1589.8	1580.0	1570.2	1564.4	1570.2	1580.0	1589.8	1585.9	1544.7	1523.2	1527.2
35°	1515.4	1517.4	1515.4	1509.6	1515.4	1517.4	1515.4	1519.3	1493.9	1474.3	1472.3
37.5°	1462.5	1466.5	1464.5	1456.7	1464.5	1466.5	1462.5	1458.6	1423.4	1417.5	1421.4
40°	1407.7	1409.7	1407.7	1401.9	1407.7	1409.7	1407.7	1399.9	1351.0	1352.9	1366.6
42.5°	1354.8	1352.9	1347.0	1343.1	1347.0	1352.9	1354.8	1343.1	1280.4	1274.6	1300.0
45°	1294.2	1296.2	1284.4	1278.5	1284.4	1296.2	1294.2	1286.4	1221.8	1206.1	1223.6
47.5°	1233.5	1233.5	1223.6	1217.8	1223.6	1233.5	1233.5	1223.6	1155.2	1139.5	1149.2
50°	1168.9	1166.9	1153.2	1151.2	1153.2	1166.9	1168.9	1163.0	1090.6	1076.8	1076.8
52.5°	1094.5	1094.5	1096.4	1100.3	1096.4	1094.5	1094.5	1096.4	1031.8	1018.1	1014.2
55°	1029.9	1031.8	1045.5	1049.5	1045.5	1031.8	1029.9	1029.9	971.1	957.4	949.6
57.5°	963.3	963.3	973.1	973.1	973.1	963.3	963.3	959.3	902.6	890.9	886.9
60°	886.9	890.9	898.7	896.7	898.7	890.9	886.9	883.0	834.1	826.3	812.5
62.5°	806.6	810.6	812.5	808.6	812.5	810.6	806.6	794.9	765.5	759.7	742.1
65°	722.4	726.4	728.4	724.4	728.4	726.4	722.4	716.6	695.1	685.3	669.6
67.5°	636.3	634.4	632.4	640.2	632.4	634.4	636.3	628.5	614.7	606.9	585.4
70°	548.2	548.2	546.3	550.1	546.3	548.2	548.2	542.3	534.5	528.7	509.0
72.5°	454.2	452.3	460.1	454.2	460.1	452.3	454.2	452.3	448.4	442.5	422.9
75°	362.2	366.2	362.2	368.1	362.2	366.2	362.2	364.2	362.2	358.2	344.6
77.5°	276.0	280.0	276.0	276.0	276.0	280.0	276.0	278.0	278.0	278.0	266.3
80°	195.8	193.8	193.8	191.9	193.8	193.8	195.8	195.8	197.7	193.8	189.9
82.5°	125.3	123.3	123.3	127.3	123.3	123.3	125.3	127.3	123.3	123.3	123.3
85°	68.6	70.4	66.6	66.6	66.6	70.4	68.6	64.6	68.6	68.6	66.6
87.5°	25.5	23.5	23.5	23.5	23.5	23.5	25.5	27.4	27.4	27.4	29.3
90°	35.2	35.2	35.2	35.2	35.2	35.2	35.2	46.8	62.4	70.2	60.4
92.5°	175.7	168.7	140.7	112.7	140.7	168.7	175.7	249.0	346.7	395.6	347.4
95°	596.2	575.0	490.3	405.8	490.3	575.0	596.2	782.9	1031.9	1156.4	976.6
97.5°	1376.4	1336.1	1175.0	1014.0	1175.0	1336.1	1376.4	1494.4	1651.7	1730.4	1430.7
100°	1932.8	1884.9	1693.0	1501.2	1693.0	1884.9	1932.8	1924.2	1912.7	1906.9	1574.4
102.5°	2407.9	2366.8	2202.4	2038.1	2202.4	2366.8	2407.9	2257.5	2057.0	1956.8	1619.5
105°	2962.5	2940.4	2852.1	2763.7	2852.1	2940.4	2962.5	2625.4	2176.0	1951.3	1624.7
107.5°	3250.9	3256.3	3277.6	3298.9	3277.6	3256.3	3250.9	2780.7	2153.8	1840.3	1552.3
110°	3324.8	3347.8	3439.8	3531.9	3439.8	3347.8	3324.8	2799.2	2098.3	1747.9	1488.2



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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3277.7	3313.1	3454.3	3595.6	3454.3	3313.1	3277.7	2739.7	2022.4	1663.8	1432.3
115°	3117.7	3166.7	3362.7	3558.7	3362.7	3166.7	3117.7	2599.5	1908.5	1563.0	1368.1
117.5°	2896.8	2951.2	3168.5	3385.9	3168.5	2951.2	2896.8	2429.1	1805.6	1493.8	1328.0
120°	2748.0	2800.8	3012.0	3223.2	3012.0	2800.8	2748.0	2320.7	1750.9	1466.0	1314.4
122.5°	2599.2	2651.3	2859.6	3067.8	2859.6	2651.3	2599.2	2214.4	1701.3	1444.8	1307.3
125°	2402.3	2450.2	2642.1	2834.0	2642.1	2450.2	2402.3	2075.4	1639.6	1421.6	1301.5
127.5°	2244.2	2284.8	2446.6	2608.5	2446.6	2284.8	2244.2	1963.6	1589.3	1402.2	1298.0
130°	2144.5	2181.8	2331.4	2480.9	2331.4	2181.8	2144.5	1894.6	1561.4	1394.9	1300.2
132.5°	2059.4	2092.9	2226.8	2360.7	2226.8	2092.9	2059.4	1835.7	1537.4	1388.3	1301.5
135°	1939.2	1968.1	2083.6	2199.0	2083.6	1968.1	1939.2	1751.9	1502.2	1377.3	1300.2
137.5°	1850.5	1874.1	1968.7	2063.1	1968.7	1874.1	1850.5	1692.1	1481.0	1375.4	1308.2
140°	1779.4	1801.4	1889.7	1978.1	1889.7	1801.4	1779.4	1642.6	1460.2	1369.0	1309.6
142.5°	1729.4	1748.4	1824.4	1900.4	1824.4	1748.4	1729.4	1609.3	1449.1	1369.0	1314.3
145°	1654.6	1668.9	1726.4	1783.9	1726.4	1668.9	1654.6	1556.3	1425.2	1359.7	1314.3
147.5°	1591.7	1603.6	1651.2	1699.0	1651.2	1603.6	1591.7	1514.3	1411.3	1359.7	1323.3
150°	1555.6	1565.3	1603.9	1642.6	1603.9	1565.3	1555.6	1490.3	1403.3	1359.7	1328.1
152.5°	1527.0	1534.3	1563.4	1592.7	1563.4	1534.3	1527.0	1471.2	1396.8	1359.7	1331.1
155°	1492.8	1497.6	1516.9	1536.2	1516.9	1497.6	1492.8	1448.4	1389.2	1359.7	1337.9
157.5°	1463.2	1466.6	1480.2	1493.8	1480.2	1466.6	1463.2	1428.7	1382.7	1359.7	1344.7
160°	1448.4	1450.4	1458.2	1466.0	1458.2	1450.4	1448.4	1418.9	1379.4	1359.7	1347.7
162.5°	1434.6	1436.5	1443.8	1451.2	1443.8	1436.5	1434.6	1409.6	1376.3	1359.7	1351.1
165°	1413.3	1415.3	1423.0	1430.8	1423.0	1415.3	1413.3	1395.5	1371.6	1359.7	1355.7
167.5°	1404.0	1404.8	1408.2	1411.5	1408.2	1404.8	1404.0	1392.4	1376.8	1369.0	1365.7
170°	1404.0	1404.0	1404.0	1404.0	1404.0	1404.0	1404.0	1392.4	1376.8	1369.0	1368.8
172.5°	1396.6	1395.9	1393.1	1390.2	1393.1	1395.9	1396.6	1387.4	1375.1	1369.0	1369.0
175°	1386.5	1386.5	1386.5	1386.5	1386.5	1386.5	1386.5	1380.6	1372.8	1369.0	1370.8
177.5°	1384.7	1383.9	1380.5	1377.3	1380.5	1383.9	1384.7	1380.0	1373.8	1370.8	1372.2
180°	1377.3	1377.3	1377.3	1377.3	1377.3	1377.3	1377.3	1377.3	1377.3	1377.3	1377.3



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	2069.5	2069.5	2069.5	2069.5	2069.5
2.5°	2044.1	2053.9	2059.7	2067.5	2087.2
5°	1965.7	2003.0	2014.6	2044.1	2079.2
7.5°	1793.4	1906.9	1938.4	2008.8	2063.6
10°	1627.0	1740.6	1795.4	1961.8	2044.1
12.5°	1542.9	1609.4	1646.6	1879.6	2016.6
15°	1490.0	1536.9	1564.4	1769.9	1985.3
17.5°	1448.8	1482.1	1501.7	1662.2	1942.2
20°	1423.4	1439.0	1456.7	1584.0	1893.3
22.5°	1405.7	1395.9	1409.7	1529.1	1826.7
25°	1394.1	1356.8	1372.5	1486.1	1748.4
27.5°	1403.8	1321.5	1327.5	1446.9	1666.2
30°	1405.7	1278.5	1280.4	1405.7	1574.2
32.5°	1392.1	1233.5	1235.4	1354.8	1470.3
35°	1358.8	1180.6	1178.7	1296.2	1329.5
37.5°	1313.7	1123.8	1123.8	1231.5	1174.7
40°	1258.9	1067.0	1073.0	1147.4	1037.7
42.5°	1192.3	1006.4	1014.2	1035.7	935.8
45°	1119.9	947.6	953.5	875.2	857.6
47.5°	1039.7	886.9	888.9	726.4	832.1
50°	943.7	824.3	816.5	622.6	830.1
52.5°	859.6	755.7	732.2	563.9	753.7
55°	777.3	683.3	632.4	518.8	699.0
57.5°	704.8	589.3	540.3	465.9	687.3
60°	638.2	497.3	460.1	409.2	630.4
62.5°	583.4	428.8	421.0	370.0	571.7
65°	524.7	381.8	379.8	336.7	485.6
67.5°	467.9	350.4	348.5	305.4	370.0
70°	407.3	317.1	313.3	272.2	274.1
72.5°	344.6	280.0	276.0	244.7	227.1
75°	282.0	236.9	234.9	213.4	184.1
77.5°	221.2	187.9	191.9	172.3	135.1
80°	158.6	137.0	141.0	123.3	101.8
82.5°	105.7	90.1	94.0	78.3	68.6
85°	58.8	50.9	52.9	41.1	31.3
87.5°	27.4	23.5	23.5	15.7	9.8
90°	40.7	25.9	24.0	16.7	9.3
92.5°	250.9	178.4	162.7	99.8	37.0
95°	617.2	347.6	318.8	203.7	88.7
97.5°	831.3	381.8	356.4	254.9	153.4
100°	909.3	410.4	387.4	295.4	203.3
102.5°	945.0	439.1	417.6	331.8	245.9
105°	971.5	481.6	463.4	390.7	317.9
107.5°	976.3	544.4	527.5	459.7	391.9
110°	969.0	579.6	564.2	503.1	441.8



TEST NUMBER: P936019

CATALOG NUMBER: SQ4-FA-150U-100D-840-1D-UNV-STD-W-6

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	969.3	622.0	607.4	549.1	490.8
115°	978.2	685.9	672.4	618.6	564.7
117.5°	996.5	747.8	735.6	686.7	637.8
120°	1011.2	783.9	772.4	726.4	680.3
122.5°	1032.5	826.4	814.8	768.4	721.9
125°	1061.1	880.9	870.3	827.9	785.7
127.5°	1089.8	933.6	922.9	880.1	837.4
130°	1110.8	968.7	957.3	911.2	865.2
132.5°	1127.7	997.4	985.9	939.9	893.8
135°	1146.2	1030.7	1020.2	978.2	936.3
137.5°	1173.9	1073.2	1062.8	1021.3	979.8
140°	1190.8	1101.8	1092.2	1054.1	1015.9
142.5°	1205.1	1123.1	1114.3	1078.9	1043.5
145°	1223.5	1155.5	1147.8	1116.9	1086.1
147.5°	1250.6	1196.1	1188.6	1158.6	1128.6
150°	1264.7	1217.3	1210.5	1183.4	1156.4
152.5°	1274.0	1231.2	1226.1	1205.6	1185.0
155°	1294.4	1261.7	1257.9	1242.7	1227.5
157.5°	1314.7	1292.2	1288.5	1273.7	1258.9
160°	1323.9	1306.0	1303.2	1291.7	1280.3
162.5°	1333.8	1320.9	1318.7	1310.1	1301.5
165°	1347.9	1342.1	1340.1	1332.4	1324.6
167.5°	1359.1	1354.2	1353.3	1349.5	1345.9
170°	1368.3	1368.0	1367.1	1363.3	1359.7
172.5°	1369.0	1369.0	1368.8	1367.9	1367.1
175°	1374.5	1377.3	1377.3	1377.3	1377.3
177.5°	1375.1	1377.3	1377.3	1377.3	1377.3
180°	1377.3	1377.3	1377.3	1377.3	1377.3



TEST NUMBER: P936019  
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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	12.39	13.15	13.45	14.21	15.65	15.21	15.97	16.27	17.03	18.47
	3H	12.86	13.54	13.92	14.61	16.06	16.55	17.23	17.62	18.30	19.75
	4H	13.04	13.69	14.12	14.76	16.22	16.99	17.63	18.06	18.70	20.17
	6H	13.16	13.75	14.24	14.83	16.30	17.26	17.86	18.35	18.93	20.41
	8H	13.16	13.72	14.25	14.81	16.28	17.34	17.90	18.43	18.99	20.46
	12H	13.12	13.66	14.22	14.74	16.24	17.37	17.91	18.47	18.99	20.48
4H	2H	13.41	14.05	14.49	15.12	16.59	15.61	16.25	16.69	17.33	18.79
	3H	14.42	14.96	15.52	16.06	17.54	17.10	17.64	18.20	18.74	20.22
	4H	14.70	15.19	15.79	16.28	17.78	17.63	18.12	18.72	19.21	20.71
	6H	14.82	15.24	15.92	16.35	17.84	17.98	18.41	19.09	19.52	21.01
	8H	14.82	15.21	15.92	16.32	17.82	18.09	18.48	19.19	19.59	21.09
	12H	14.78	15.14	15.90	16.25	17.77	18.14	18.50	19.26	19.61	21.12
8H	4H	15.14	15.54	16.25	16.64	18.15	17.74	18.14	18.85	19.24	20.75
	6H	15.40	15.72	16.52	16.87	18.37	18.17	18.50	19.30	19.65	21.15
	8H	15.44	15.72	16.57	16.85	18.38	18.32	18.61	19.46	19.74	21.26
	12H	15.42	15.67	16.56	16.79	18.35	18.42	18.67	19.55	19.79	21.35
12H	4H	15.14	15.50	16.26	16.62	18.13	17.70	18.06	18.82	19.18	20.69
	6H	15.46	15.74	16.59	16.87	18.39	18.17	18.46	19.30	19.58	21.11
	8H	15.52	15.77	16.66	16.89	18.45	18.33	18.58	19.46	19.70	21.26