

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: P936075

Luminaire Tested: SQ4-FA-150U-100D-940-1D-UNV-STD-W-6

Issue Date: 12/17/2024

**Test Information**

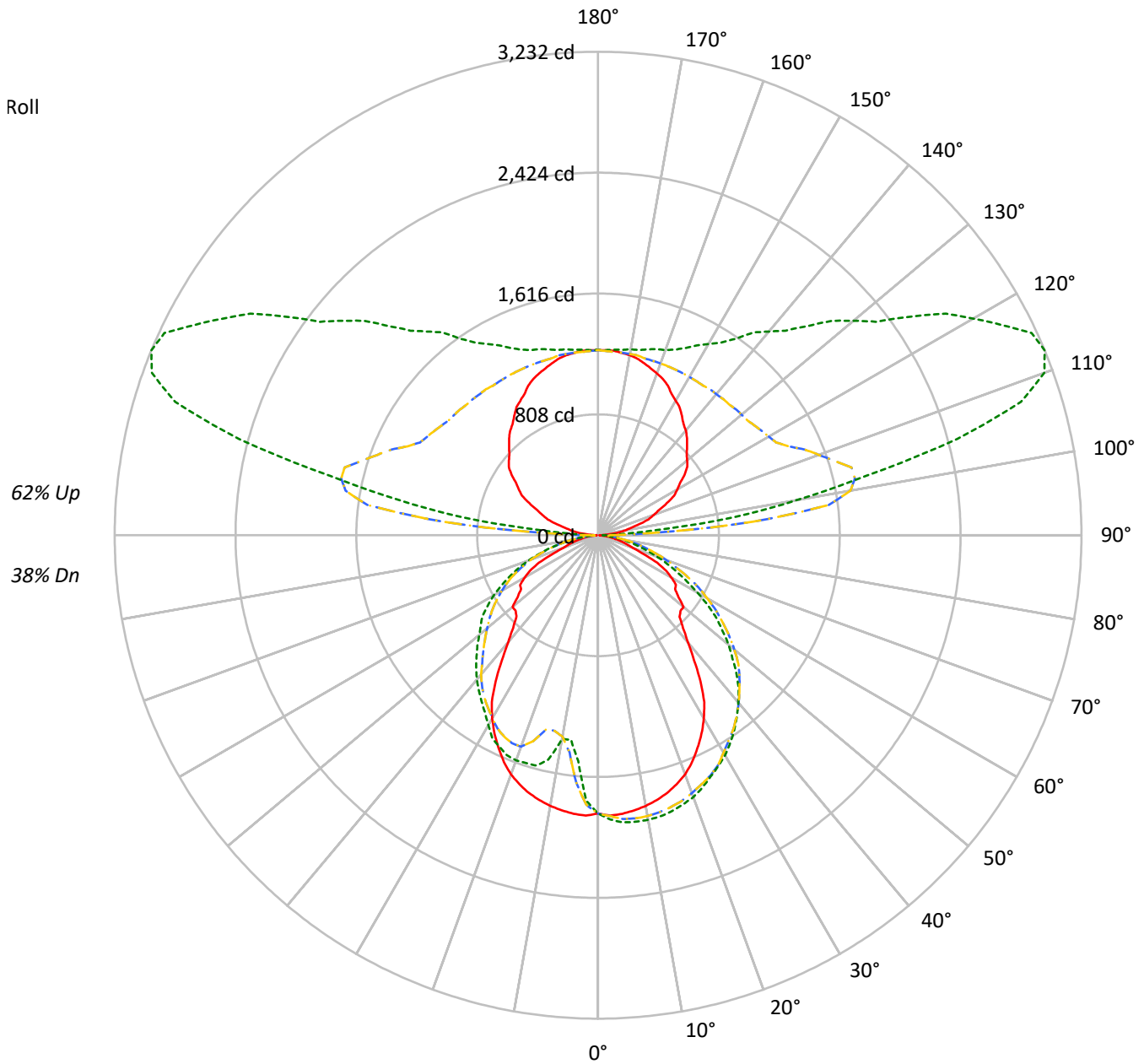
Test Method: LM-79-2019  
Report Number: P936075  
REPORT IS A COMBINATION OF REPORTS P933779 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-150U-100D-940-1D-UNV-STD-W-6  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 12852.0 lumens  
Efficiency: N/A  
Efficacy: 118.3 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°	11506	11506	11506	11506
5°	11588	11615	11588	9133
10°	11507	11442	11507	8180
15°	11377	11194	11377	9347
20°	11135	10900	11135	9366
25°	10643	10472	10643	9168
30°	10011	10116	10011	8732
35°	8920	9666	8920	8254
40°	7428	9137	7428	7892
45°	6633	8517	6633	7475
50°	7041	7778	7041	7058
55°	6619	6981	6619	6816
60°	6813	5930	6813	6242
65°	6169	4901	6169	5479
70°	4260	3906	4260	4592
75°	3722	2888	3722	3458
80°	2978	1909	2978	2078
85°	1675	1011	1675	860

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 10172 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	167.9	1.3
10°-20°	476.7	3.7
20°-30°	736.9	5.7
30°-40°	879.7	6.8
40°-50°	884.9	6.9
50°-60°	769.9	6.0
60°-70°	545.9	4.2
70°-80°	288.8	2.2
80°-90°	76.7	0.6
90°-100°	603.4	4.7
100°-110°	1586.4	12.3
110°-120°	1644.9	12.8
120°-130°	1319.4	10.3
130°-140°	1035.3	8.1
140°-150°	794.6	6.2
150°-160°	572.2	4.5
160°-170°	350.1	2.7
170°-180°	118.3	0.9
0°-30°	1381.5	10.7
0°-40°	2261.3	17.6
0°-60°	3916.1	30.5
0°-90°	4827.5	37.6
90°-120°	3834.7	29.8
90°-150°	6983.9	54.3
90°-180°	8025.0	62.4
0°-180°	12852.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1860	1860	1860	1860	1860	
5°	1869	1927	1869	1515	1869	177
15°	1784	1909	1784	1594	1784	502
25°	1571	1781	1571	1559	1571	722
35°	1195	1589	1195	1357	1195	739
45°	771	1309	771	1149	771	617
55°	628	966	628	943	628	577
65°	436	582	436	651	436	417
75°	165	276	165	331	165	174
85°	28	70	28	60	28	38
90°	8	32	8	32	8	8
95°	80	365	80	365	80	89
105°	286	2484	286	2484	286	303
115°	508	3198	508	3198	508	501
125°	706	2547	706	2547	706	627
135°	842	1976	842	1976	842	651
145°	976	1603	976	1603	976	612
155°	1103	1381	1103	1381	1103	507
165°	1190	1286	1190	1286	1190	336
175°	1238	1246	1238	1246	1238	118
180°	1238	1238	1238	1238	1238	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1860.0	1860.0	1860.0	1860.0	1860.0	1860.0	1860.0	1860.0	1860.0	1860.0	1860.0
2.5°	1875.9	1875.9	1886.5	1889.9	1889.9	1884.7	1879.4	1884.7	1900.5	1905.8	1904.0
5°	1868.8	1882.9	1902.3	1905.8	1909.3	1907.5	1904.0	1907.5	1925.1	1928.6	1930.4
7.5°	1854.8	1881.1	1905.8	1911.1	1916.3	1911.1	1909.3	1912.8	1930.4	1934.0	1934.0
10°	1837.2	1874.1	1902.3	1905.8	1911.1	1905.8	1905.8	1912.8	1930.4	1934.0	1935.7
12.5°	1812.5	1863.6	1889.9	1893.5	1900.5	1898.7	1896.9	1904.0	1921.6	1925.1	1925.1
15°	1784.3	1844.2	1868.8	1872.3	1884.7	1881.1	1881.1	1888.2	1907.5	1912.8	1911.1
17.5°	1745.6	1819.5	1847.8	1853.0	1861.8	1860.0	1861.8	1868.8	1886.5	1889.9	1891.7
20°	1701.7	1786.1	1819.5	1824.8	1833.6	1833.6	1833.6	1842.4	1860.0	1867.1	1867.1
22.5°	1641.8	1751.0	1786.1	1789.7	1800.2	1800.2	1803.7	1816.0	1831.9	1833.6	1833.6
25°	1571.4	1712.2	1742.2	1752.6	1763.2	1768.5	1773.8	1780.9	1786.1	1784.3	1786.1
27.5°	1497.5	1663.0	1701.7	1708.7	1722.8	1728.0	1735.1	1736.8	1738.6	1743.9	1740.4
30°	1414.9	1594.3	1652.4	1659.4	1682.3	1685.8	1678.8	1682.3	1691.1	1694.7	1698.1
32.5°	1321.5	1492.3	1601.3	1617.2	1638.3	1627.7	1626.0	1631.3	1645.4	1645.4	1648.8
35°	1194.9	1413.1	1553.8	1567.9	1583.7	1571.4	1578.5	1580.2	1589.0	1594.3	1592.5
37.5°	1055.8	1344.4	1504.5	1515.1	1527.4	1511.6	1522.1	1527.4	1534.5	1531.0	1531.0
40°	932.7	1237.1	1446.5	1453.6	1464.1	1451.8	1462.4	1465.8	1469.4	1465.8	1464.1
42.5°	841.1	1119.1	1384.9	1393.7	1386.7	1395.5	1399.0	1406.1	1400.7	1393.7	1393.7
45°	770.8	1087.5	1318.1	1328.6	1318.1	1332.1	1337.4	1337.4	1321.5	1318.1	1316.3
47.5°	747.9	1024.1	1251.2	1251.2	1245.9	1263.4	1272.2	1260.0	1244.1	1238.8	1238.8
50°	746.1	953.8	1159.6	1152.6	1177.2	1198.4	1189.6	1177.2	1165.0	1145.6	1145.6
52.5°	677.5	867.6	1041.7	1068.2	1106.9	1119.1	1105.1	1092.8	1071.6	1062.8	1055.8
55°	628.3	777.8	934.4	987.2	1027.7	1043.5	1017.1	1004.8	973.2	967.8	964.4
57.5°	617.7	647.6	835.9	902.7	952.0	950.2	934.4	911.5	885.2	879.8	878.1
60°	566.6	468.1	730.3	809.5	860.5	855.2	841.1	820.1	795.4	791.9	788.4
62.5°	513.8	339.7	610.6	700.4	772.6	770.8	758.4	726.7	709.2	700.4	693.4
65°	436.5	285.0	434.7	582.4	686.3	689.8	663.4	640.5	621.2	610.6	608.9
67.5°	332.6	232.3	293.8	485.6	603.6	600.1	566.6	556.1	531.5	526.1	515.6
70°	246.3	154.9	204.2	394.2	522.7	513.8	487.4	475.2	452.3	439.9	432.9
72.5°	204.2	124.9	149.5	306.2	439.9	429.3	406.5	392.4	373.0	362.5	355.5
75°	165.4	132.0	114.4	227.0	357.2	350.2	329.1	315.0	299.2	285.0	286.8
77.5°	121.4	123.2	91.5	167.2	283.3	272.8	260.5	242.9	235.8	221.7	221.7
80°	91.5	96.8	68.6	114.4	204.2	204.2	193.6	181.2	168.9	161.9	161.9
82.5°	61.6	61.6	51.1	72.1	139.1	133.7	126.7	123.2	116.2	112.6	112.6
85°	28.1	35.2	31.7	44.0	75.7	79.2	79.2	75.7	73.9	70.4	72.1
87.5°	8.8	15.8	19.4	24.6	38.7	40.5	42.3	42.3	42.3	44.0	44.0
90°	8.3	15.0	21.6	23.3	36.6	54.3	63.1	56.1	42.1	31.6	31.6
92.5°	33.2	89.7	146.3	160.4	225.5	312.2	355.6	311.6	223.8	157.9	151.6
95°	79.7	183.1	286.6	312.4	554.7	877.8	1039.3	927.4	703.7	535.8	516.8
97.5°	137.9	229.1	320.3	343.1	747.2	1285.9	1555.2	1484.6	1343.1	1237.1	1200.8
100°	182.8	265.5	348.2	368.9	817.2	1415.0	1713.9	1719.1	1729.5	1737.2	1694.1
102.5°	221.0	298.2	375.4	394.6	849.4	1455.6	1758.8	1848.8	2029.0	2164.1	2127.2
105°	285.8	351.1	416.5	432.8	873.2	1460.2	1753.8	1955.7	2359.7	2662.7	2642.8
107.5°	352.3	413.2	474.1	489.3	877.5	1395.2	1654.1	1935.8	2499.3	2921.9	2926.7
110°	397.1	452.2	507.1	520.9	871.0	1337.6	1571.0	1885.9	2515.9	2988.3	3009.0



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	441.2	493.6	545.9	559.1	871.2	1287.3	1495.4	1817.7	2462.4	2945.9	2977.7
115°	507.6	556.0	604.4	616.4	879.2	1229.6	1404.8	1715.3	2336.4	2802.2	2846.2
117.5°	573.2	617.2	661.1	672.1	895.6	1193.6	1342.6	1622.8	2183.2	2603.6	2652.5
120°	611.5	652.9	694.2	704.5	908.9	1181.4	1317.6	1573.7	2085.8	2469.9	2517.3
122.5°	648.9	690.6	732.3	742.7	928.0	1175.0	1298.5	1529.1	1990.3	2336.2	2382.9
125°	706.1	744.1	782.2	791.7	953.7	1169.8	1277.7	1473.6	1865.3	2159.2	2202.2
127.5°	752.7	791.0	829.5	839.1	979.5	1166.7	1260.2	1428.4	1764.8	2017.1	2053.5
130°	777.6	819.0	860.4	870.7	998.4	1168.6	1253.7	1403.4	1702.8	1927.4	1961.0
132.5°	803.4	844.8	886.1	896.4	1013.6	1169.8	1247.8	1381.8	1649.9	1850.9	1881.1
135°	841.6	879.2	916.9	926.4	1030.2	1168.6	1237.9	1350.1	1574.6	1743.0	1768.9
137.5°	880.6	917.9	955.2	964.5	1055.1	1175.8	1236.2	1331.1	1520.9	1663.2	1684.4
140°	913.0	947.4	981.7	990.3	1070.3	1177.0	1230.4	1312.4	1476.3	1599.3	1619.1
142.5°	937.9	969.7	1001.5	1009.4	1083.1	1181.3	1230.4	1302.4	1446.4	1554.4	1571.4
145°	976.2	1003.9	1031.6	1038.5	1099.7	1181.3	1222.1	1280.9	1398.8	1487.1	1500.0
147.5°	1014.4	1041.4	1068.3	1075.0	1124.0	1189.4	1222.1	1268.4	1361.0	1430.6	1441.3
150°	1039.3	1063.6	1088.0	1094.1	1136.7	1193.6	1222.1	1261.2	1339.5	1398.2	1406.9
152.5°	1065.1	1083.5	1102.0	1106.6	1145.1	1196.4	1222.1	1255.5	1322.3	1372.4	1379.0
155°	1103.3	1116.9	1130.6	1134.0	1163.4	1202.5	1222.1	1248.6	1301.8	1341.7	1346.0
157.5°	1131.5	1144.8	1158.1	1161.4	1181.7	1208.6	1222.1	1242.8	1284.1	1315.1	1318.1
160°	1150.7	1161.0	1171.3	1173.8	1189.9	1211.3	1222.1	1239.8	1275.3	1301.8	1303.6
162.5°	1169.8	1177.5	1185.2	1187.2	1198.8	1214.3	1222.1	1237.0	1266.9	1289.4	1291.1
165°	1190.5	1197.6	1204.5	1206.3	1211.5	1218.5	1222.1	1232.8	1254.2	1270.3	1272.1
167.5°	1209.6	1212.9	1216.3	1217.1	1221.5	1227.5	1230.4	1237.4	1251.5	1261.9	1262.6
170°	1222.1	1225.4	1228.7	1229.5	1229.8	1230.2	1230.4	1237.4	1251.5	1261.9	1261.9
172.5°	1228.7	1229.4	1230.2	1230.4	1230.4	1230.4	1230.4	1235.9	1247.0	1255.3	1254.7
175°	1237.9	1237.9	1237.9	1237.9	1235.4	1232.1	1230.4	1233.9	1240.9	1246.1	1246.1
177.5°	1237.9	1237.9	1237.9	1237.9	1235.9	1233.3	1232.0	1234.8	1240.4	1244.5	1243.8
180°	1237.9	1237.9	1237.9	1237.9	1237.9	1237.9	1237.9	1237.9	1237.9	1237.9	1237.9



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1860.0	1860.0	1860.0	1860.0	1860.0	1860.0	1860.0	1860.0	1860.0	1860.0	1860.0
2.5°	1907.5	1902.3	1907.5	1904.0	1905.8	1900.5	1884.7	1879.4	1884.7	1889.9	1889.9
5°	1930.4	1926.9	1930.4	1930.4	1928.6	1925.1	1907.5	1904.0	1907.5	1909.3	1905.8
7.5°	1937.4	1932.2	1937.4	1934.0	1934.0	1930.4	1912.8	1909.3	1911.1	1916.3	1911.1
10°	1937.4	1932.2	1937.4	1935.7	1934.0	1930.4	1912.8	1905.8	1905.8	1911.1	1905.8
12.5°	1928.6	1925.1	1928.6	1925.1	1925.1	1921.6	1904.0	1896.9	1898.7	1900.5	1893.5
15°	1914.6	1909.3	1914.6	1911.1	1912.8	1907.5	1888.2	1881.1	1881.1	1884.7	1872.3
17.5°	1893.5	1886.5	1893.5	1891.7	1889.9	1886.5	1868.8	1861.8	1860.0	1861.8	1853.0
20°	1868.8	1863.6	1868.8	1867.1	1867.1	1860.0	1842.4	1833.6	1833.6	1833.6	1824.8
22.5°	1830.1	1824.8	1830.1	1833.6	1833.6	1831.9	1816.0	1803.7	1800.2	1800.2	1789.7
25°	1786.1	1780.9	1786.1	1786.1	1784.3	1786.1	1780.9	1773.8	1768.5	1763.2	1752.6
27.5°	1743.9	1740.4	1743.9	1740.4	1743.9	1738.6	1736.8	1735.1	1728.0	1722.8	1708.7
30°	1701.7	1698.1	1701.7	1698.1	1694.7	1691.1	1682.3	1678.8	1685.8	1682.3	1659.4
32.5°	1648.8	1645.4	1648.8	1648.8	1645.4	1645.4	1631.3	1626.0	1627.7	1638.3	1617.2
35°	1594.3	1589.0	1594.3	1592.5	1594.3	1589.0	1580.2	1578.5	1571.4	1583.7	1567.9
37.5°	1531.0	1525.7	1531.0	1531.0	1531.0	1534.5	1527.4	1522.1	1511.6	1527.4	1515.1
40°	1465.8	1458.8	1465.8	1464.1	1465.8	1469.4	1465.8	1462.4	1451.8	1464.1	1453.6
42.5°	1391.9	1390.2	1391.9	1393.7	1393.7	1400.7	1406.1	1399.0	1395.5	1386.7	1393.7
45°	1312.7	1309.3	1312.7	1316.3	1318.1	1321.5	1337.4	1337.4	1332.1	1318.1	1328.6
47.5°	1228.3	1219.5	1228.3	1238.8	1238.8	1244.1	1260.0	1272.2	1263.4	1245.9	1251.2
50°	1138.5	1140.3	1138.5	1145.6	1145.6	1165.0	1177.2	1189.6	1198.4	1177.2	1152.6
52.5°	1050.6	1048.8	1050.6	1055.8	1062.8	1071.6	1092.8	1105.1	1119.1	1106.9	1068.2
55°	962.6	966.1	962.6	964.4	967.8	973.2	1004.8	1017.1	1043.5	1027.7	987.2
57.5°	874.6	869.3	874.6	878.1	879.8	885.2	911.5	934.4	950.2	952.0	902.7
60°	772.6	765.5	772.6	788.4	791.9	795.4	820.1	841.1	855.2	860.5	809.5
62.5°	682.8	670.4	682.8	693.4	700.4	709.2	726.7	758.4	770.8	772.6	700.4
65°	587.8	582.4	587.8	608.9	610.6	621.2	640.5	663.4	689.8	686.3	582.4
67.5°	501.5	501.5	501.5	515.6	526.1	531.5	556.1	566.6	600.1	603.6	485.6
70°	422.3	420.6	422.3	432.9	439.9	452.3	475.2	487.4	513.8	522.7	394.2
72.5°	346.7	344.9	346.7	355.5	362.5	373.0	392.4	406.5	429.3	439.9	306.2
75°	279.8	276.3	279.8	286.8	285.0	299.2	315.0	329.1	350.2	357.2	227.0
77.5°	214.7	214.7	214.7	221.7	221.7	235.8	242.9	260.5	272.8	283.3	167.2
80°	160.1	158.4	160.1	161.9	161.9	168.9	181.2	193.6	204.2	204.2	114.4
82.5°	112.6	109.1	112.6	112.6	112.6	116.2	123.2	126.7	133.7	139.1	72.1
85°	70.4	70.4	70.4	72.1	70.4	73.9	75.7	79.2	79.2	75.7	44.0
87.5°	45.7	44.0	45.7	44.0	44.0	42.3	42.3	42.3	40.5	38.7	24.6
90°	31.6	31.6	31.6	31.6	31.6	42.1	56.1	63.1	54.3	36.6	23.3
92.5°	126.5	101.3	126.5	151.6	157.9	223.8	311.6	355.6	312.2	225.5	160.4
95°	440.7	364.7	440.7	516.8	535.8	703.7	927.4	1039.3	877.8	554.7	312.4
97.5°	1056.1	911.4	1056.1	1200.8	1237.1	1343.1	1484.6	1555.2	1285.9	747.2	343.1
100°	1521.7	1349.2	1521.7	1694.1	1737.2	1729.5	1719.1	1713.9	1415.0	817.2	368.9
102.5°	1979.5	1831.9	1979.5	2127.2	2164.1	2029.0	1848.8	1758.8	1455.6	849.4	394.6
105°	2563.4	2484.0	2563.4	2642.8	2662.7	2359.7	1955.7	1753.8	1460.2	873.2	432.8
107.5°	2945.9	2965.0	2945.9	2926.7	2921.9	2499.3	1935.8	1654.1	1395.2	877.5	489.3
110°	3091.7	3174.4	3091.7	3009.0	2988.3	2515.9	1885.9	1571.0	1337.6	871.0	520.9





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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3104.7	3231.7	3104.7	2977.7	2945.9	2462.4	1817.7	1495.4	1287.3	871.2	559.1
115°	3022.3	3198.5	3022.3	2846.2	2802.2	2336.4	1715.3	1404.8	1229.6	879.2	616.4
117.5°	2847.8	3043.2	2847.8	2652.5	2603.6	2183.2	1622.8	1342.6	1193.6	895.6	672.1
120°	2707.2	2896.9	2707.2	2517.3	2469.9	2085.8	1573.7	1317.6	1181.4	908.9	704.5
122.5°	2570.1	2757.3	2570.1	2382.9	2336.2	1990.3	1529.1	1298.5	1175.0	928.0	742.7
125°	2374.7	2547.1	2374.7	2202.2	2159.2	1865.3	1473.6	1277.7	1169.8	953.7	791.7
127.5°	2199.0	2344.5	2199.0	2053.5	2017.1	1764.8	1428.4	1260.2	1166.7	979.5	839.1
130°	2095.4	2229.8	2095.4	1961.0	1927.4	1702.8	1403.4	1253.7	1168.6	998.4	870.7
132.5°	2001.4	2121.8	2001.4	1881.1	1850.9	1649.9	1381.8	1247.8	1169.8	1013.6	896.4
135°	1872.7	1976.4	1872.7	1768.9	1743.0	1574.6	1350.1	1237.9	1168.6	1030.2	926.4
137.5°	1769.4	1854.3	1769.4	1684.4	1663.2	1520.9	1331.1	1236.2	1175.8	1055.1	964.5
140°	1698.5	1777.9	1698.5	1619.1	1599.3	1476.3	1312.4	1230.4	1177.0	1070.3	990.3
142.5°	1639.8	1708.1	1639.8	1571.4	1554.4	1446.4	1302.4	1230.4	1181.3	1083.1	1009.4
145°	1551.7	1603.4	1551.7	1500.0	1487.1	1398.8	1280.9	1222.1	1181.3	1099.7	1038.5
147.5°	1484.1	1527.0	1484.1	1441.3	1430.6	1361.0	1268.4	1222.1	1189.4	1124.0	1075.0
150°	1441.6	1476.3	1441.6	1406.9	1398.2	1339.5	1261.2	1222.1	1193.6	1136.7	1094.1
152.5°	1405.2	1431.5	1405.2	1379.0	1372.4	1322.3	1255.5	1222.1	1196.4	1145.1	1106.6
155°	1363.3	1380.8	1363.3	1346.0	1341.7	1301.8	1248.6	1222.1	1202.5	1163.4	1134.0
157.5°	1330.4	1342.6	1330.4	1318.1	1315.1	1284.1	1242.8	1222.1	1208.6	1181.7	1161.4
160°	1310.6	1317.6	1310.6	1303.6	1301.8	1275.3	1239.8	1222.1	1211.3	1189.9	1173.8
162.5°	1297.6	1304.3	1297.6	1291.1	1289.4	1266.9	1237.0	1222.1	1214.3	1198.8	1187.2
165°	1279.0	1286.0	1279.0	1272.1	1270.3	1254.2	1232.8	1222.1	1218.5	1211.5	1206.3
167.5°	1265.7	1268.6	1265.7	1262.6	1261.9	1251.5	1237.4	1230.4	1227.5	1221.5	1217.1
170°	1261.9	1261.9	1261.9	1261.9	1261.9	1251.5	1237.4	1230.4	1230.2	1229.8	1229.5
172.5°	1252.1	1249.5	1252.1	1254.7	1255.3	1247.0	1235.9	1230.4	1230.4	1230.4	1230.4
175°	1246.1	1246.1	1246.1	1246.1	1246.1	1240.9	1233.9	1230.4	1232.1	1235.4	1237.9
177.5°	1240.8	1237.9	1240.8	1243.8	1244.5	1240.4	1234.8	1232.0	1233.3	1235.9	1237.9
180°	1237.9	1237.9	1237.9	1237.9	1237.9	1237.9	1237.9	1237.9	1237.9	1237.9	1237.9



TEST NUMBER: P936075

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**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1860.0	1860.0	1860.0	1860.0	1860.0	1860.0	1860.0	1860.0	1860.0	1860.0	1860.0
2.5°	1886.5	1875.9	1875.9	1858.2	1851.2	1846.0	1837.2	1810.7	1803.7	1796.7	1807.3
5°	1902.3	1882.9	1868.8	1837.2	1810.7	1800.2	1766.8	1703.5	1661.2	1629.5	1611.9
7.5°	1905.8	1881.1	1854.8	1805.5	1742.2	1713.9	1611.9	1495.7	1464.1	1435.9	1418.3
10°	1902.3	1874.1	1837.2	1763.2	1613.7	1564.4	1462.4	1386.7	1367.3	1362.0	1367.3
12.5°	1889.9	1863.6	1812.5	1689.3	1479.9	1446.5	1386.7	1342.7	1339.2	1348.0	1395.5
15°	1868.8	1844.2	1784.3	1590.8	1406.1	1381.4	1339.2	1323.3	1342.7	1404.3	1546.8
17.5°	1847.8	1819.5	1745.6	1494.0	1349.7	1332.1	1302.2	1333.9	1443.0	1525.7	1573.2
20°	1819.5	1786.1	1701.7	1423.6	1309.3	1293.4	1279.3	1421.9	1504.5	1534.5	1560.8
22.5°	1786.1	1751.0	1641.8	1374.4	1267.0	1254.7	1263.4	1471.1	1504.5	1525.7	1548.6
25°	1742.2	1712.2	1571.4	1335.6	1233.6	1219.5	1253.0	1465.8	1485.2	1490.5	1536.2
27.5°	1701.7	1663.0	1497.5	1300.5	1193.1	1187.8	1261.8	1443.0	1457.0	1462.4	1511.6
30°	1652.4	1594.3	1414.9	1263.4	1150.8	1149.1	1263.4	1414.9	1411.3	1425.4	1474.6
32.5°	1601.3	1492.3	1321.5	1217.7	1110.4	1108.7	1251.2	1372.6	1369.0	1388.4	1425.4
35°	1553.8	1413.1	1194.9	1165.0	1059.4	1061.1	1221.3	1323.3	1325.1	1342.7	1365.6
37.5°	1504.5	1344.4	1055.8	1106.9	1010.1	1010.1	1180.8	1277.6	1274.0	1279.3	1311.0
40°	1446.5	1237.1	932.7	1031.2	964.4	959.0	1131.5	1228.3	1215.9	1214.3	1258.2
42.5°	1384.9	1119.1	841.1	930.9	911.5	904.5	1071.6	1168.4	1145.6	1150.8	1207.1
45°	1318.1	1087.5	770.8	786.6	857.0	851.7	1006.5	1099.8	1084.0	1098.1	1156.2
47.5°	1251.2	1024.1	747.9	652.9	798.9	797.2	934.4	1032.9	1024.1	1038.2	1099.8
50°	1159.6	953.8	746.1	559.6	733.8	740.9	848.2	967.8	967.8	980.2	1045.3
52.5°	1041.7	867.6	677.5	506.8	658.1	679.2	772.6	911.5	915.1	927.3	985.4
55°	934.4	777.8	628.3	466.3	568.4	614.1	698.6	853.5	860.5	872.8	925.7
57.5°	835.9	647.6	617.7	418.8	485.6	529.7	633.5	797.2	800.7	811.3	862.2
60°	730.3	468.1	566.6	367.8	413.5	446.9	573.6	730.3	742.6	749.6	793.6
62.5°	610.6	339.7	513.8	332.6	378.4	385.4	524.4	667.0	682.8	688.0	714.5
65°	434.7	285.0	436.5	302.6	341.3	343.1	471.6	601.8	615.9	624.7	644.1
67.5°	293.8	232.3	332.6	274.5	313.2	315.0	420.6	526.1	545.5	552.5	564.9
70°	204.2	154.9	246.3	244.6	281.6	285.0	366.0	457.5	475.2	480.4	487.4
72.5°	149.5	124.9	204.2	220.0	248.1	251.7	309.7	380.1	397.7	403.0	406.5
75°	114.4	132.0	165.4	191.8	211.2	212.9	253.4	309.7	322.0	325.5	327.3
77.5°	91.5	123.2	121.4	154.9	172.4	168.9	198.8	239.3	249.9	249.9	249.9
80°	68.6	96.8	91.5	110.8	126.7	123.2	142.5	170.7	174.2	177.7	176.0
82.5°	51.1	61.6	61.6	70.4	84.4	81.0	95.0	110.8	110.8	110.8	114.4
85°	31.7	35.2	28.1	36.9	47.5	45.7	52.8	59.9	61.6	61.6	58.1
87.5°	19.4	15.8	8.8	14.1	21.1	21.1	24.6	26.4	24.6	24.6	24.6
90°	21.6	15.0	8.3	15.0	21.6	23.3	36.6	54.3	63.1	56.1	42.1
92.5°	146.3	89.7	33.2	89.7	146.3	160.4	225.5	312.2	355.6	311.6	223.8
95°	286.6	183.1	79.7	183.1	286.6	312.4	554.7	877.8	1039.3	927.4	703.7
97.5°	320.3	229.1	137.9	229.1	320.3	343.1	747.2	1285.9	1555.2	1484.6	1343.1
100°	348.2	265.5	182.8	265.5	348.2	368.9	817.2	1415.0	1713.9	1719.1	1729.5
102.5°	375.4	298.2	221.0	298.2	375.4	394.6	849.4	1455.6	1758.8	1848.8	2029.0
105°	416.5	351.1	285.8	351.1	416.5	432.8	873.2	1460.2	1753.8	1955.7	2359.7
107.5°	474.1	413.2	352.3	413.2	474.1	489.3	877.5	1395.2	1654.1	1935.8	2499.3
110°	507.1	452.2	397.1	452.2	507.1	520.9	871.0	1337.6	1571.0	1885.9	2515.9



TEST NUMBER: P936075

CATALOG NUMBER: SQ4-FA-150U-100D-940-1D-UNV-STD-W-6

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	545.9	493.6	441.2	493.6	545.9	559.1	871.2	1287.3	1495.4	1817.7	2462.4
115°	604.4	556.0	507.6	556.0	604.4	616.4	879.2	1229.6	1404.8	1715.3	2336.4
117.5°	661.1	617.2	573.2	617.2	661.1	672.1	895.6	1193.6	1342.6	1622.8	2183.2
120°	694.2	652.9	611.5	652.9	694.2	704.5	908.9	1181.4	1317.6	1573.7	2085.8
122.5°	732.3	690.6	648.9	690.6	732.3	742.7	928.0	1175.0	1298.5	1529.1	1990.3
125°	782.2	744.1	706.1	744.1	782.2	791.7	953.7	1169.8	1277.7	1473.6	1865.3
127.5°	829.5	791.0	752.7	791.0	829.5	839.1	979.5	1166.7	1260.2	1428.4	1764.8
130°	860.4	819.0	777.6	819.0	860.4	870.7	998.4	1168.6	1253.7	1403.4	1702.8
132.5°	886.1	844.8	803.4	844.8	886.1	896.4	1013.6	1169.8	1247.8	1381.8	1649.9
135°	916.9	879.2	841.6	879.2	916.9	926.4	1030.2	1168.6	1237.9	1350.1	1574.6
137.5°	955.2	917.9	880.6	917.9	955.2	964.5	1055.1	1175.8	1236.2	1331.1	1520.9
140°	981.7	947.4	913.0	947.4	981.7	990.3	1070.3	1177.0	1230.4	1312.4	1476.3
142.5°	1001.5	969.7	937.9	969.7	1001.5	1009.4	1083.1	1181.3	1230.4	1302.4	1446.4
145°	1031.6	1003.9	976.2	1003.9	1031.6	1038.5	1099.7	1181.3	1222.1	1280.9	1398.8
147.5°	1068.3	1041.4	1014.4	1041.4	1068.3	1075.0	1124.0	1189.4	1222.1	1268.4	1361.0
150°	1088.0	1063.6	1039.3	1063.6	1088.0	1094.1	1136.7	1193.6	1222.1	1261.2	1339.5
152.5°	1102.0	1083.5	1065.1	1083.5	1102.0	1106.6	1145.1	1196.4	1222.1	1255.5	1322.3
155°	1130.6	1116.9	1103.3	1116.9	1130.6	1134.0	1163.4	1202.5	1222.1	1248.6	1301.8
157.5°	1158.1	1144.8	1131.5	1144.8	1158.1	1161.4	1181.7	1208.6	1222.1	1242.8	1284.1
160°	1171.3	1161.0	1150.7	1161.0	1171.3	1173.8	1189.9	1211.3	1222.1	1239.8	1275.3
162.5°	1185.2	1177.5	1169.8	1177.5	1185.2	1187.2	1198.8	1214.3	1222.1	1237.0	1266.9
165°	1204.5	1197.6	1190.5	1197.6	1204.5	1206.3	1211.5	1218.5	1222.1	1232.8	1254.2
167.5°	1216.3	1212.9	1209.6	1212.9	1216.3	1217.1	1221.5	1227.5	1230.4	1237.4	1251.5
170°	1228.7	1225.4	1222.1	1225.4	1228.7	1229.5	1229.8	1230.2	1230.4	1237.4	1251.5
172.5°	1230.2	1229.4	1228.7	1229.4	1230.2	1230.4	1230.4	1230.4	1230.4	1235.9	1247.0
175°	1237.9	1237.9	1237.9	1237.9	1237.9	1237.9	1235.4	1232.1	1230.4	1233.9	1240.9
177.5°	1237.9	1237.9	1237.9	1237.9	1237.9	1237.9	1235.9	1233.3	1232.0	1234.8	1240.4
180°	1237.9	1237.9	1237.9	1237.9	1237.9	1237.9	1237.9	1237.9	1237.9	1237.9	1237.9



TEST NUMBER: P936075  
 CATALOG NUMBER: SQ4-FA-150U-100D-940-1D-UNV-STD-W-6

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1860.0	1860.0	1860.0	1860.0	1860.0	1860.0	1860.0	1860.0	1860.0	1860.0	1860.0
2.5°	1794.9	1789.7	1796.7	1777.3	1796.7	1789.7	1794.9	1807.3	1796.7	1803.7	1810.7
5°	1575.0	1566.2	1538.0	1515.1	1538.0	1566.2	1575.0	1611.9	1629.5	1661.2	1703.5
7.5°	1407.7	1400.7	1393.7	1379.6	1393.7	1400.7	1407.7	1418.3	1435.9	1464.1	1495.7
10°	1370.8	1372.6	1383.1	1381.4	1383.1	1372.6	1370.8	1367.3	1362.0	1367.3	1386.7
12.5°	1465.8	1481.7	1539.8	1536.2	1539.8	1481.7	1465.8	1395.5	1348.0	1339.2	1342.7
15°	1575.0	1580.2	1592.5	1594.3	1592.5	1580.2	1575.0	1546.8	1404.3	1342.7	1323.3
17.5°	1585.5	1587.3	1596.1	1596.1	1596.1	1587.3	1585.5	1573.2	1525.7	1443.0	1333.9
20°	1576.7	1580.2	1597.9	1601.3	1597.9	1580.2	1576.7	1560.8	1534.5	1504.5	1421.9
22.5°	1573.2	1580.2	1594.3	1592.5	1594.3	1580.2	1573.2	1548.6	1525.7	1504.5	1471.1
25°	1555.6	1555.6	1557.4	1559.2	1557.4	1555.6	1555.6	1536.2	1490.5	1485.2	1465.8
27.5°	1518.7	1522.1	1532.7	1531.0	1532.7	1522.1	1518.7	1511.6	1462.4	1457.0	1443.0
30°	1485.2	1481.7	1472.9	1465.8	1472.9	1481.7	1485.2	1474.6	1425.4	1411.3	1414.9
32.5°	1428.9	1420.1	1411.3	1406.1	1411.3	1420.1	1428.9	1425.4	1388.4	1369.0	1372.6
35°	1362.0	1363.8	1362.0	1356.8	1362.0	1363.8	1362.0	1365.6	1342.7	1325.1	1323.3
37.5°	1314.5	1318.1	1316.3	1309.3	1316.3	1318.1	1314.5	1311.0	1279.3	1274.0	1277.6
40°	1265.2	1267.0	1265.2	1260.0	1265.2	1267.0	1265.2	1258.2	1214.3	1215.9	1228.3
42.5°	1217.7	1215.9	1210.7	1207.1	1210.7	1215.9	1217.7	1207.1	1150.8	1145.6	1168.4
45°	1163.2	1165.0	1154.4	1149.1	1154.4	1165.0	1163.2	1156.2	1098.1	1084.0	1099.8
47.5°	1108.7	1108.7	1099.8	1094.5	1099.8	1108.7	1108.7	1099.8	1038.2	1024.1	1032.9
50°	1050.6	1048.8	1036.5	1034.7	1036.5	1048.8	1050.6	1045.3	980.2	967.8	967.8
52.5°	983.7	983.7	985.4	989.0	985.4	983.7	983.7	985.4	927.3	915.1	911.5
55°	925.7	927.3	939.7	943.2	939.7	927.3	925.7	925.7	872.8	860.5	853.5
57.5°	865.8	865.8	874.6	874.6	874.6	865.8	865.8	862.2	811.3	800.7	797.2
60°	797.2	800.7	807.7	805.9	807.7	800.7	797.2	793.6	749.6	742.6	730.3
62.5°	725.0	728.5	730.3	726.7	730.3	728.5	725.0	714.5	688.0	682.8	667.0
65°	649.3	652.9	654.6	651.1	654.6	652.9	649.3	644.1	624.7	615.9	601.8
67.5°	571.9	570.2	568.4	575.4	568.4	570.2	571.9	564.9	552.5	545.5	526.1
70°	492.8	492.8	491.0	494.4	491.0	492.8	492.8	487.4	480.4	475.2	457.5
72.5°	408.2	406.5	413.5	408.2	413.5	406.5	408.2	406.5	403.0	397.7	380.1
75°	325.5	329.1	325.5	330.9	325.5	329.1	325.5	327.3	325.5	322.0	309.7
77.5°	248.1	251.7	248.1	248.1	248.1	251.7	248.1	249.9	249.9	249.9	239.3
80°	176.0	174.2	174.2	172.4	174.2	174.2	176.0	176.0	177.7	174.2	170.7
82.5°	112.6	110.8	110.8	114.4	110.8	110.8	112.6	114.4	110.8	110.8	110.8
85°	61.6	63.3	59.9	59.9	59.9	63.3	61.6	58.1	61.6	61.6	59.9
87.5°	22.9	21.1	21.1	21.1	21.1	21.1	22.9	24.6	24.6	24.6	26.4
90°	31.6	31.6	31.6	31.6	31.6	31.6	31.6	42.1	56.1	63.1	54.3
92.5°	157.9	151.6	126.5	101.3	126.5	151.6	157.9	223.8	311.6	355.6	312.2
95°	535.8	516.8	440.7	364.7	440.7	516.8	535.8	703.7	927.4	1039.3	877.8
97.5°	1237.1	1200.8	1056.1	911.4	1056.1	1200.8	1237.1	1343.1	1484.6	1555.2	1285.9
100°	1737.2	1694.1	1521.7	1349.2	1521.7	1694.1	1737.2	1729.5	1719.1	1713.9	1415.0
102.5°	2164.1	2127.2	1979.5	1831.9	1979.5	2127.2	2164.1	2029.0	1848.8	1758.8	1455.6
105°	2662.7	2642.8	2563.4	2484.0	2563.4	2642.8	2662.7	2359.7	1955.7	1753.8	1460.2
107.5°	2921.9	2926.7	2945.9	2965.0	2945.9	2926.7	2921.9	2499.3	1935.8	1654.1	1395.2
110°	2988.3	3009.0	3091.7	3174.4	3091.7	3009.0	2988.3	2515.9	1885.9	1571.0	1337.6



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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2945.9	2977.7	3104.7	3231.7	3104.7	2977.7	2945.9	2462.4	1817.7	1495.4	1287.3
115°	2802.2	2846.2	3022.3	3198.5	3022.3	2846.2	2802.2	2336.4	1715.3	1404.8	1229.6
117.5°	2603.6	2652.5	2847.8	3043.2	2847.8	2652.5	2603.6	2183.2	1622.8	1342.6	1193.6
120°	2469.9	2517.3	2707.2	2896.9	2707.2	2517.3	2469.9	2085.8	1573.7	1317.6	1181.4
122.5°	2336.2	2382.9	2570.1	2757.3	2570.1	2382.9	2336.2	1990.3	1529.1	1298.5	1175.0
125°	2159.2	2202.2	2374.7	2547.1	2374.7	2202.2	2159.2	1865.3	1473.6	1277.7	1169.8
127.5°	2017.1	2053.5	2199.0	2344.5	2199.0	2053.5	2017.1	1764.8	1428.4	1260.2	1166.7
130°	1927.4	1961.0	2095.4	2229.8	2095.4	1961.0	1927.4	1702.8	1403.4	1253.7	1168.6
132.5°	1850.9	1881.1	2001.4	2121.8	2001.4	1881.1	1850.9	1649.9	1381.8	1247.8	1169.8
135°	1743.0	1768.9	1872.7	1976.4	1872.7	1768.9	1743.0	1574.6	1350.1	1237.9	1168.6
137.5°	1663.2	1684.4	1769.4	1854.3	1769.4	1684.4	1663.2	1520.9	1331.1	1236.2	1175.8
140°	1599.3	1619.1	1698.5	1777.9	1698.5	1619.1	1599.3	1476.3	1312.4	1230.4	1177.0
142.5°	1554.4	1571.4	1639.8	1708.1	1639.8	1571.4	1554.4	1446.4	1302.4	1230.4	1181.3
145°	1487.1	1500.0	1551.7	1603.4	1551.7	1500.0	1487.1	1398.8	1280.9	1222.1	1181.3
147.5°	1430.6	1441.3	1484.1	1527.0	1484.1	1441.3	1430.6	1361.0	1268.4	1222.1	1189.4
150°	1398.2	1406.9	1441.6	1476.3	1441.6	1406.9	1398.2	1339.5	1261.2	1222.1	1193.6
152.5°	1372.4	1379.0	1405.2	1431.5	1405.2	1379.0	1372.4	1322.3	1255.5	1222.1	1196.4
155°	1341.7	1346.0	1363.3	1380.8	1363.3	1346.0	1341.7	1301.8	1248.6	1222.1	1202.5
157.5°	1315.1	1318.1	1330.4	1342.6	1330.4	1318.1	1315.1	1284.1	1242.8	1222.1	1208.6
160°	1301.8	1303.6	1310.6	1317.6	1310.6	1303.6	1301.8	1275.3	1239.8	1222.1	1211.3
162.5°	1289.4	1291.1	1297.6	1304.3	1297.6	1291.1	1289.4	1266.9	1237.0	1222.1	1214.3
165°	1270.3	1272.1	1279.0	1286.0	1279.0	1272.1	1270.3	1254.2	1232.8	1222.1	1218.5
167.5°	1261.9	1262.6	1265.7	1268.6	1265.7	1262.6	1261.9	1251.5	1237.4	1230.4	1227.5
170°	1261.9	1261.9	1261.9	1261.9	1261.9	1261.9	1261.9	1251.5	1237.4	1230.4	1230.2
172.5°	1255.3	1254.7	1252.1	1249.5	1252.1	1254.7	1255.3	1247.0	1235.9	1230.4	1230.4
175°	1246.1	1246.1	1246.1	1246.1	1246.1	1246.1	1246.1	1240.9	1233.9	1230.4	1232.1
177.5°	1244.5	1243.8	1240.8	1237.9	1240.8	1243.8	1244.5	1240.4	1234.8	1232.0	1233.3
180°	1237.9	1237.9	1237.9	1237.9	1237.9	1237.9	1237.9	1237.9	1237.9	1237.9	1237.9



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	1860.0	1860.0	1860.0	1860.0	1860.0
2.5°	1837.2	1846.0	1851.2	1858.2	1875.9
5°	1766.8	1800.2	1810.7	1837.2	1868.8
7.5°	1611.9	1713.9	1742.2	1805.5	1854.8
10°	1462.4	1564.4	1613.7	1763.2	1837.2
12.5°	1386.7	1446.5	1479.9	1689.3	1812.5
15°	1339.2	1381.4	1406.1	1590.8	1784.3
17.5°	1302.2	1332.1	1349.7	1494.0	1745.6
20°	1279.3	1293.4	1309.3	1423.6	1701.7
22.5°	1263.4	1254.7	1267.0	1374.4	1641.8
25°	1253.0	1219.5	1233.6	1335.6	1571.4
27.5°	1261.8	1187.8	1193.1	1300.5	1497.5
30°	1263.4	1149.1	1150.8	1263.4	1414.9
32.5°	1251.2	1108.7	1110.4	1217.7	1321.5
35°	1221.3	1061.1	1059.4	1165.0	1194.9
37.5°	1180.8	1010.1	1010.1	1106.9	1055.8
40°	1131.5	959.0	964.4	1031.2	932.7
42.5°	1071.6	904.5	911.5	930.9	841.1
45°	1006.5	851.7	857.0	786.6	770.8
47.5°	934.4	797.2	798.9	652.9	747.9
50°	848.2	740.9	733.8	559.6	746.1
52.5°	772.6	679.2	658.1	506.8	677.5
55°	698.6	614.1	568.4	466.3	628.3
57.5°	633.5	529.7	485.6	418.8	617.7
60°	573.6	446.9	413.5	367.8	566.6
62.5°	524.4	385.4	378.4	332.6	513.8
65°	471.6	343.1	341.3	302.6	436.5
67.5°	420.6	315.0	313.2	274.5	332.6
70°	366.0	285.0	281.6	244.6	246.3
72.5°	309.7	251.7	248.1	220.0	204.2
75°	253.4	212.9	211.2	191.8	165.4
77.5°	198.8	168.9	172.4	154.9	121.4
80°	142.5	123.2	126.7	110.8	91.5
82.5°	95.0	81.0	84.4	70.4	61.6
85°	52.8	45.7	47.5	36.9	28.1
87.5°	24.6	21.1	21.1	14.1	8.8
90°	36.6	23.3	21.6	15.0	8.3
92.5°	225.5	160.4	146.3	89.7	33.2
95°	554.7	312.4	286.6	183.1	79.7
97.5°	747.2	343.1	320.3	229.1	137.9
100°	817.2	368.9	348.2	265.5	182.8
102.5°	849.4	394.6	375.4	298.2	221.0
105°	873.2	432.8	416.5	351.1	285.8
107.5°	877.5	489.3	474.1	413.2	352.3
110°	871.0	520.9	507.1	452.2	397.1



TEST NUMBER: P936075

CATALOG NUMBER: SQ4-FA-150U-100D-940-1D-UNV-STD-W-6

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	871.2	559.1	545.9	493.6	441.2
115°	879.2	616.4	604.4	556.0	507.6
117.5°	895.6	672.1	661.1	617.2	573.2
120°	908.9	704.5	694.2	652.9	611.5
122.5°	928.0	742.7	732.3	690.6	648.9
125°	953.7	791.7	782.2	744.1	706.1
127.5°	979.5	839.1	829.5	791.0	752.7
130°	998.4	870.7	860.4	819.0	777.6
132.5°	1013.6	896.4	886.1	844.8	803.4
135°	1030.2	926.4	916.9	879.2	841.6
137.5°	1055.1	964.5	955.2	917.9	880.6
140°	1070.3	990.3	981.7	947.4	913.0
142.5°	1083.1	1009.4	1001.5	969.7	937.9
145°	1099.7	1038.5	1031.6	1003.9	976.2
147.5°	1124.0	1075.0	1068.3	1041.4	1014.4
150°	1136.7	1094.1	1088.0	1063.6	1039.3
152.5°	1145.1	1106.6	1102.0	1083.5	1065.1
155°	1163.4	1134.0	1130.6	1116.9	1103.3
157.5°	1181.7	1161.4	1158.1	1144.8	1131.5
160°	1189.9	1173.8	1171.3	1161.0	1150.7
162.5°	1198.8	1187.2	1185.2	1177.5	1169.8
165°	1211.5	1206.3	1204.5	1197.6	1190.5
167.5°	1221.5	1217.1	1216.3	1212.9	1209.6
170°	1229.8	1229.5	1228.7	1225.4	1222.1
172.5°	1230.4	1230.4	1230.2	1229.4	1228.7
175°	1235.4	1237.9	1237.9	1237.9	1237.9
177.5°	1235.9	1237.9	1237.9	1237.9	1237.9
180°	1237.9	1237.9	1237.9	1237.9	1237.9



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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	12.02	12.78	13.07	13.84	15.28	14.84	15.60	15.90	16.66	18.10
	3H	12.49	13.17	13.55	14.24	15.69	16.18	16.86	17.24	17.93	19.38
	4H	12.67	13.32	13.75	14.39	15.85	16.62	17.26	17.69	18.33	19.80
	6H	12.79	13.38	13.87	14.45	15.93	16.89	17.49	17.98	18.56	20.04
	8H	12.78	13.35	13.88	14.44	15.91	16.96	17.53	18.06	18.62	20.09
	12H	12.75	13.29	13.85	14.37	15.87	17.00	17.54	18.10	18.62	20.11
4H	2H	13.04	13.68	14.12	14.75	16.22	15.24	15.88	16.32	16.95	18.42
	3H	14.05	14.59	15.15	15.69	17.17	16.73	17.27	17.83	18.37	19.85
	4H	14.33	14.82	15.42	15.91	17.40	17.26	17.75	18.35	18.84	20.33
	6H	14.44	14.87	15.55	15.98	17.47	17.61	18.04	18.72	19.15	20.64
	8H	14.45	14.84	15.55	15.95	17.45	17.72	18.11	18.82	19.22	20.72
	12H	14.41	14.77	15.53	15.88	17.40	17.77	18.13	18.89	19.24	20.75
8H	4H	14.77	15.16	15.87	16.27	17.78	17.37	17.77	18.48	18.87	20.38
	6H	15.03	15.35	16.15	16.50	18.00	17.80	18.13	18.93	19.27	20.78
	8H	15.07	15.35	16.20	16.48	18.00	17.95	18.24	19.09	19.36	20.89
	12H	15.05	15.30	16.19	16.42	17.98	18.05	18.30	19.18	19.42	20.98
12H	4H	14.77	15.13	15.89	16.24	17.76	17.33	17.69	18.45	18.81	20.32
	6H	15.09	15.37	16.22	16.50	18.02	17.80	18.08	18.93	19.21	20.73
	8H	15.15	15.40	16.29	16.52	18.08	17.95	18.21	19.09	19.33	20.89