

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: P934669

Luminaire Tested: SQ4-FA-075U-050D-935-1D-UNV-STD-W-12

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934669
REPORT IS A COMBINATION OF REPORTS P933705 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-075U-050D-935-1D-UNV-STD-W-12
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

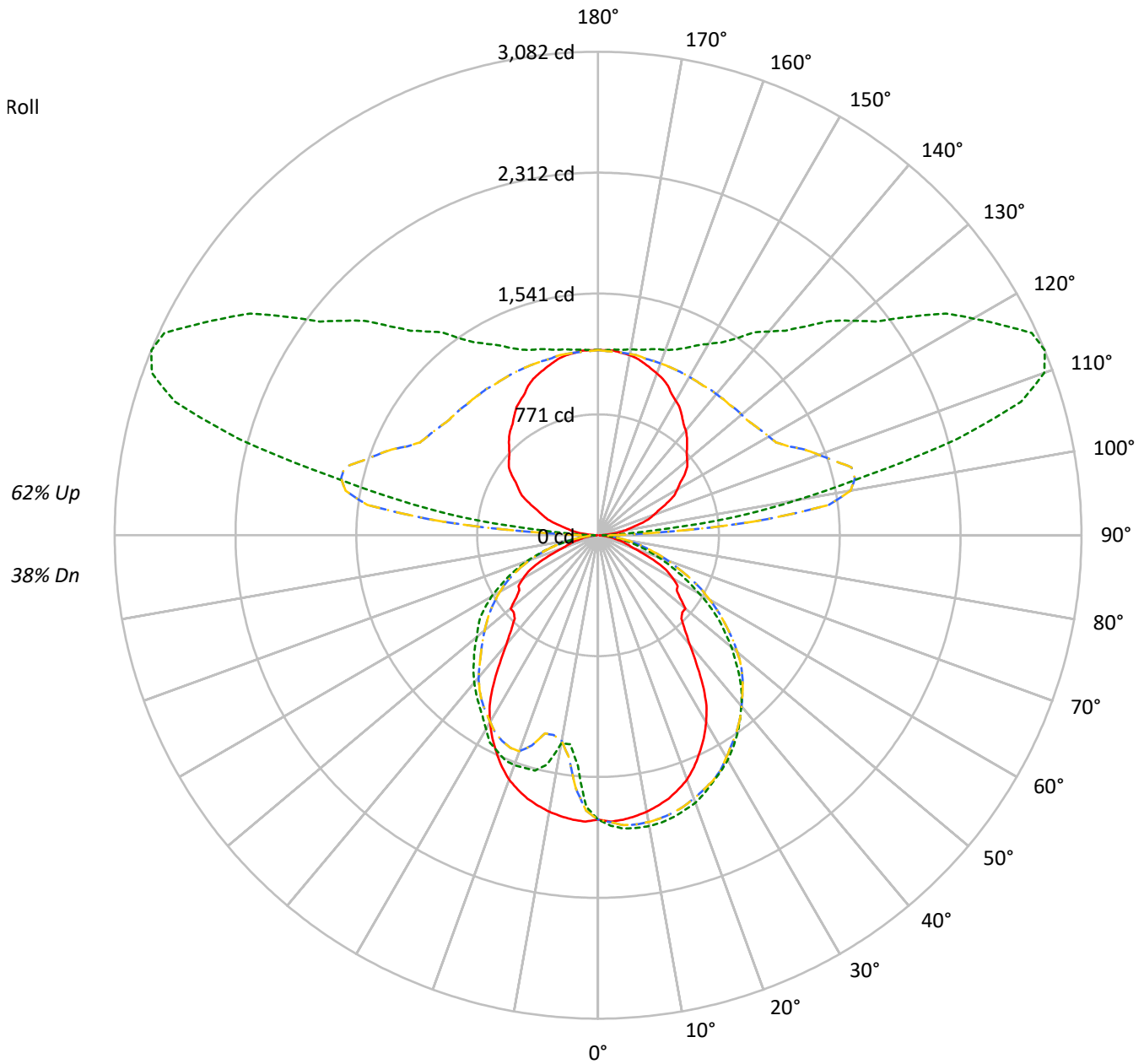
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12355.7 lumens
Efficiency: N/A
Efficacy: 119.7 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 12' x H: 0.1')
CIE Type: Semi-Indirect

Input Watts (W): 103.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° - - - 90°-270° - - - 135°-315°



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				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	95	95	95	95	77	77	77	60	60	60	45	45	45	38				38
1	95	91	87	84	86	83	79	77	67	65	63	53	52	50	40	39	38	32				32
2	87	79	73	68	78	72	67	63	59	55	52	47	44	42	35	34	32	27				27
3	79	70	63	57	71	64	57	52	52	47	44	41	38	35	31	29	27	23				23
4	72	62	54	48	65	56	50	44	46	41	37	37	33	30	28	25	24	20				20
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	30	26	23	23	20	18	15				15
7	56	44	36	31	51	40	34	29	33	28	24	27	23	20	21	18	16	13				13
8	52	40	32	27	47	37	30	25	30	25	22	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	11				11
10	45	33	26	22	41	31	24	20	26	21	17	21	17	14	16	14	12	10				10

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	5604	5604	5604	5604
5°	5648	5657	5648	4448
10°	5613	5573	5613	3984
15°	5554	5452	5554	4552
20°	5440	5309	5440	4562
25°	5204	5100	5204	4465
30°	4899	4927	4899	4253
35°	4369	4708	4369	4020
40°	3643	4450	3643	3844
45°	3257	4148	3257	3641
50°	3463	3788	3463	3437
55°	3261	3400	3261	3320
60°	3366	2888	3366	3041
65°	3057	2387	3057	2668
70°	2122	1903	2122	2237
75°	1867	1406	1867	1684
80°	1515	930	1515	1012
85°	888	493	888	419

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 4989 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	163.6	1.3
10°-20°	464.4	3.8
20°-30°	717.8	5.8
30°-40°	857.0	6.9
40°-50°	862.0	7.0
50°-60°	750.0	6.1
60°-70°	531.8	4.3
70°-80°	281.3	2.3
80°-90°	74.6	0.6
90°-100°	575.5	4.7
100°-110°	1513.0	12.2
110°-120°	1568.8	12.7
120°-130°	1258.4	10.2
130°-140°	987.4	8.0
140°-150°	757.8	6.1
150°-160°	545.8	4.4
160°-170°	333.9	2.7
170°-180°	112.8	0.9
0°-30°	1345.8	10.9
0°-40°	2202.7	17.8
0°-60°	3814.7	30.9
0°-90°	4702.4	38.1
90°-120°	3657.2	29.6
90°-150°	6660.7	53.9
90°-180°	7653.0	61.9
0°-180°	12355.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1812	1812	1812	1812	1812	
5°	1820	1877	1820	1476	1820	173
15°	1738	1860	1738	1553	1738	489
25°	1531	1735	1531	1519	1531	703
35°	1164	1548	1164	1322	1164	720
45°	751	1275	751	1119	751	601
55°	612	941	612	919	612	562
65°	425	567	425	634	425	406
75°	161	269	161	322	161	169
85°	27	69	27	58	27	37
90°	8	30	8	30	8	8
95°	76	348	76	348	76	84
105°	273	2369	273	2369	273	289
115°	484	3050	484	3050	484	478
125°	674	2429	674	2429	674	598
135°	803	1885	803	1885	803	621
145°	931	1529	931	1529	931	583
155°	1052	1317	1052	1317	1052	483
165°	1136	1226	1136	1226	1136	320
175°	1181	1188	1181	1188	1181	112
180°	1181	1181	1181	1181	1181	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1811.9	1811.9	1811.9	1811.9	1811.9	1811.9	1811.9	1811.9	1811.9	1811.9	1811.9
2.5°	1827.3	1827.3	1837.6	1841.0	1841.0	1835.9	1830.8	1835.9	1851.3	1856.4	1854.7
5°	1820.5	1834.2	1853.0	1856.4	1859.9	1858.2	1854.7	1858.2	1875.3	1878.7	1880.4
7.5°	1806.8	1832.5	1856.4	1861.6	1866.7	1861.6	1859.9	1863.3	1880.4	1883.9	1883.9
10°	1789.6	1825.6	1853.0	1856.4	1861.6	1856.4	1856.4	1863.3	1880.4	1883.9	1885.6
12.5°	1765.6	1815.4	1841.0	1844.5	1851.3	1849.6	1847.9	1854.7	1871.9	1875.3	1875.3
15°	1738.2	1796.4	1820.5	1823.9	1835.9	1832.5	1832.5	1839.3	1858.2	1863.3	1861.6
17.5°	1700.5	1772.5	1799.9	1805.0	1813.7	1811.9	1813.7	1820.5	1837.6	1841.0	1842.8
20°	1657.7	1739.9	1772.5	1777.6	1786.2	1786.2	1786.2	1794.7	1811.9	1818.8	1818.8
22.5°	1599.4	1705.6	1739.9	1743.4	1753.6	1753.6	1757.1	1769.0	1784.4	1786.2	1786.2
25°	1530.8	1667.9	1697.0	1707.3	1717.6	1722.7	1727.9	1734.8	1739.9	1738.2	1739.9
27.5°	1458.8	1619.9	1657.7	1664.5	1678.2	1683.3	1690.2	1691.9	1693.6	1698.7	1695.3
30°	1378.2	1553.0	1609.6	1616.5	1638.7	1642.2	1635.3	1638.7	1647.3	1650.8	1654.2
32.5°	1287.4	1453.6	1559.9	1575.3	1595.9	1585.7	1583.9	1589.1	1602.8	1602.8	1606.2
35°	1163.9	1376.5	1513.7	1527.4	1542.8	1530.8	1537.6	1539.3	1547.9	1553.0	1551.3
37.5°	1028.5	1309.6	1465.6	1475.9	1487.9	1472.5	1482.7	1487.9	1494.7	1491.3	1491.3
40°	908.5	1205.1	1409.0	1415.9	1426.2	1414.2	1424.5	1428.0	1431.4	1428.0	1426.2
42.5°	819.4	1090.2	1349.1	1357.7	1350.8	1359.4	1362.8	1369.7	1364.5	1357.7	1357.7
45°	750.8	1059.4	1284.0	1294.2	1284.0	1297.7	1302.8	1302.8	1287.4	1284.0	1282.2
47.5°	728.5	997.7	1218.8	1218.8	1213.7	1230.8	1239.3	1227.4	1212.0	1206.8	1206.8
50°	726.8	929.1	1129.7	1122.8	1146.8	1167.3	1158.8	1146.8	1134.8	1115.9	1115.9
52.5°	660.0	845.1	1014.8	1040.5	1078.2	1090.2	1076.5	1064.5	1044.0	1035.4	1028.5
55°	612.0	757.7	910.2	961.7	1001.1	1016.5	990.8	978.8	947.9	942.8	939.4
57.5°	601.7	630.8	814.3	879.3	927.4	925.7	910.2	888.0	862.2	857.1	855.4
60°	552.0	456.0	711.4	788.5	838.2	833.1	819.4	798.8	774.8	771.4	768.0
62.5°	500.6	330.8	594.8	682.3	752.5	750.8	738.9	707.9	690.8	682.3	675.4
65°	425.1	277.7	423.4	567.4	668.6	672.0	646.2	624.0	605.1	594.8	593.1
67.5°	324.0	226.3	286.3	473.1	588.0	584.6	552.0	541.7	517.7	512.6	502.3
70°	240.0	150.9	198.9	384.0	509.2	500.6	474.8	462.8	440.6	428.6	421.7
72.5°	198.9	121.7	145.7	298.3	428.6	418.2	396.0	382.3	363.4	353.2	346.3
75°	161.1	128.6	111.4	221.1	348.0	341.1	320.5	306.8	291.4	277.7	279.4
77.5°	118.3	120.0	89.1	162.8	276.0	265.7	253.7	236.6	229.7	216.0	216.0
80°	89.1	94.3	66.9	111.4	198.9	198.9	188.5	176.5	164.5	157.7	157.7
82.5°	60.0	60.0	49.7	70.3	135.4	130.3	123.5	120.0	113.1	109.7	109.7
85°	27.4	34.3	30.8	42.9	73.7	77.1	77.1	73.7	72.0	68.6	70.3
87.5°	8.6	15.4	18.8	24.0	37.7	39.4	41.2	41.2	41.2	42.9	42.9
90°	7.9	14.2	20.5	22.2	34.8	51.8	60.2	53.5	40.1	30.1	30.1
92.5°	31.7	85.5	139.5	152.9	215.0	297.7	339.1	297.2	213.4	150.5	144.6
95°	76.1	174.7	273.3	297.9	529.0	837.2	991.2	884.5	671.1	511.0	492.9
97.5°	131.5	218.5	305.5	327.3	712.6	1226.4	1483.2	1415.8	1280.9	1179.8	1145.3
100°	174.3	253.2	332.1	351.8	779.4	1349.5	1634.6	1639.5	1649.4	1656.8	1615.6
102.5°	210.8	284.4	357.9	376.3	810.0	1388.2	1677.4	1763.3	1935.1	2064.1	2028.9
105°	272.6	334.9	397.2	412.8	832.7	1392.7	1672.6	1865.3	2250.6	2539.5	2520.6
107.5°	335.9	394.0	452.2	466.7	837.0	1330.7	1577.6	1846.3	2383.6	2786.6	2791.2
110°	378.7	431.2	483.7	496.8	830.6	1275.8	1498.3	1798.7	2399.5	2850.0	2869.7



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	420.7	470.7	520.7	533.3	831.0	1227.8	1426.2	1733.6	2348.5	2809.6	2839.9
115°	484.1	530.2	576.4	587.9	838.5	1172.8	1339.9	1636.0	2228.3	2672.6	2714.6
117.5°	546.7	588.6	630.5	641.0	854.1	1138.3	1280.4	1547.7	2082.2	2483.2	2529.8
120°	583.2	622.6	662.0	671.9	866.8	1126.7	1256.6	1500.8	1989.2	2355.6	2400.9
122.5°	618.8	658.6	698.4	708.4	885.1	1120.6	1238.4	1458.3	1898.2	2228.1	2272.7
125°	673.5	709.8	746.1	755.1	909.6	1115.6	1218.6	1405.5	1779.1	2059.3	2100.4
127.5°	717.9	754.5	791.2	800.3	934.2	1112.7	1202.0	1362.4	1683.2	1923.8	1958.5
130°	741.7	781.1	820.5	830.4	952.1	1114.4	1195.6	1338.4	1624.0	1838.2	1870.2
132.5°	766.2	805.7	845.0	854.9	966.6	1115.6	1190.1	1317.9	1573.6	1765.3	1794.1
135°	802.7	838.5	874.5	883.4	982.5	1114.6	1180.6	1287.6	1501.7	1662.3	1687.0
137.5°	839.9	875.4	911.0	919.9	1006.3	1121.4	1179.0	1269.5	1450.5	1586.3	1606.5
140°	870.7	903.5	936.3	944.4	1020.8	1122.6	1173.5	1251.7	1408.0	1525.3	1544.2
142.5°	894.5	924.8	955.1	962.7	1033.0	1126.6	1173.5	1242.1	1379.5	1482.5	1498.8
145°	931.0	957.4	983.8	990.4	1048.8	1126.6	1165.5	1221.7	1334.1	1418.3	1430.7
147.5°	967.4	993.2	1018.9	1025.3	1072.1	1134.4	1165.5	1209.8	1298.1	1364.4	1374.6
150°	991.2	1014.5	1037.7	1043.5	1084.2	1138.4	1165.5	1202.9	1277.5	1333.5	1341.7
152.5°	1015.8	1033.4	1050.9	1055.4	1092.1	1141.1	1165.5	1197.4	1261.1	1308.9	1315.1
155°	1052.2	1065.3	1078.3	1081.5	1109.6	1146.9	1165.5	1190.9	1241.6	1279.6	1283.8
157.5°	1079.1	1091.8	1104.5	1107.7	1126.9	1152.7	1165.5	1185.2	1224.7	1254.2	1257.1
160°	1097.4	1107.3	1117.1	1119.6	1134.9	1155.3	1165.5	1182.4	1216.2	1241.6	1243.3
162.5°	1115.6	1123.0	1130.3	1132.2	1143.3	1158.1	1165.5	1179.8	1208.3	1229.7	1231.3
165°	1135.5	1142.1	1148.8	1150.5	1155.5	1162.2	1165.5	1175.8	1196.1	1211.5	1213.2
167.5°	1153.6	1156.8	1160.0	1160.8	1165.0	1170.6	1173.5	1180.1	1193.5	1203.5	1204.2
170°	1165.5	1168.7	1171.9	1172.7	1172.9	1173.3	1173.5	1180.1	1193.5	1203.5	1203.5
172.5°	1171.8	1172.5	1173.3	1173.5	1173.5	1173.5	1173.5	1178.7	1189.3	1197.2	1196.6
175°	1180.6	1180.6	1180.6	1180.6	1178.2	1175.1	1173.5	1176.8	1183.5	1188.5	1188.5
177.5°	1180.6	1180.6	1180.6	1180.6	1178.7	1176.3	1175.1	1177.7	1183.0	1186.9	1186.2
180°	1180.6	1180.6	1180.6	1180.6	1180.6	1180.6	1180.6	1180.6	1180.6	1180.6	1180.6



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1811.9	1811.9	1811.9	1811.9	1811.9	1811.9	1811.9	1811.9	1811.9	1811.9	1811.9
2.5°	1858.2	1853.0	1858.2	1854.7	1856.4	1851.3	1835.9	1830.8	1835.9	1841.0	1841.0
5°	1880.4	1877.0	1880.4	1880.4	1878.7	1875.3	1858.2	1854.7	1858.2	1859.9	1856.4
7.5°	1887.4	1882.2	1887.4	1883.9	1883.9	1880.4	1863.3	1859.9	1861.6	1866.7	1861.6
10°	1887.4	1882.2	1887.4	1885.6	1883.9	1880.4	1863.3	1856.4	1856.4	1861.6	1856.4
12.5°	1878.7	1875.3	1878.7	1875.3	1875.3	1871.9	1854.7	1847.9	1849.6	1851.3	1844.5
15°	1865.0	1859.9	1865.0	1861.6	1863.3	1858.2	1839.3	1832.5	1832.5	1835.9	1823.9
17.5°	1844.5	1837.6	1844.5	1842.8	1841.0	1837.6	1820.5	1813.7	1811.9	1813.7	1805.0
20°	1820.5	1815.4	1820.5	1818.8	1818.8	1811.9	1794.7	1786.2	1786.2	1786.2	1777.6
22.5°	1782.7	1777.6	1782.7	1786.2	1786.2	1784.4	1769.0	1757.1	1753.6	1753.6	1743.4
25°	1739.9	1734.8	1739.9	1739.9	1738.2	1739.9	1734.8	1727.9	1722.7	1717.6	1707.3
27.5°	1698.7	1695.3	1698.7	1695.3	1698.7	1693.6	1691.9	1690.2	1683.3	1678.2	1664.5
30°	1657.7	1654.2	1657.7	1654.2	1650.8	1647.3	1638.7	1635.3	1642.2	1638.7	1616.5
32.5°	1606.2	1602.8	1606.2	1606.2	1602.8	1602.8	1589.1	1583.9	1585.7	1595.9	1575.3
35°	1553.0	1547.9	1553.0	1551.3	1553.0	1547.9	1539.3	1537.6	1530.8	1542.8	1527.4
37.5°	1491.3	1486.2	1491.3	1491.3	1491.3	1494.7	1487.9	1482.7	1472.5	1487.9	1475.9
40°	1428.0	1421.1	1428.0	1426.2	1428.0	1431.4	1428.0	1424.5	1414.2	1426.2	1415.9
42.5°	1356.0	1354.2	1356.0	1357.7	1357.7	1364.5	1369.7	1362.8	1359.4	1350.8	1357.7
45°	1278.8	1275.4	1278.8	1282.2	1284.0	1287.4	1302.8	1302.8	1297.7	1284.0	1294.2
47.5°	1196.5	1187.9	1196.5	1206.8	1206.8	1212.0	1227.4	1239.3	1230.8	1213.7	1218.8
50°	1109.0	1110.8	1109.0	1115.9	1115.9	1134.8	1146.8	1158.8	1167.3	1146.8	1122.8
52.5°	1023.3	1021.6	1023.3	1028.5	1035.4	1044.0	1064.5	1076.5	1090.2	1078.2	1040.5
55°	937.6	941.1	937.6	939.4	942.8	947.9	978.8	990.8	1016.5	1001.1	961.7
57.5°	851.9	846.8	851.9	855.4	857.1	862.2	888.0	910.2	925.7	927.4	879.3
60°	752.5	745.7	752.5	768.0	771.4	774.8	798.8	819.4	833.1	838.2	788.5
62.5°	665.1	653.1	665.1	675.4	682.3	690.8	707.9	738.9	750.8	752.5	682.3
65°	572.5	567.4	572.5	593.1	594.8	605.1	624.0	646.2	672.0	668.6	567.4
67.5°	488.5	488.5	488.5	502.3	512.6	517.7	541.7	552.0	584.6	588.0	473.1
70°	411.4	409.7	411.4	421.7	428.6	440.6	462.8	474.8	500.6	509.2	384.0
72.5°	337.7	335.9	337.7	346.3	353.2	363.4	382.3	396.0	418.2	428.6	298.3
75°	272.6	269.1	272.6	279.4	277.7	291.4	306.8	320.5	341.1	348.0	221.1
77.5°	209.2	209.2	209.2	216.0	216.0	229.7	236.6	253.7	265.7	276.0	162.8
80°	156.0	154.3	156.0	157.7	157.7	164.5	176.5	188.5	198.9	198.9	111.4
82.5°	109.7	106.2	109.7	109.7	109.7	113.1	120.0	123.5	130.3	135.4	70.3
85°	68.6	68.6	68.6	70.3	68.6	72.0	73.7	77.1	77.1	73.7	42.9
87.5°	44.6	42.9	44.6	42.9	42.9	41.2	41.2	41.2	39.4	37.7	24.0
90°	30.1	30.1	30.1	30.1	30.1	40.1	53.5	60.2	51.8	34.8	22.2
92.5°	120.6	96.7	120.6	144.6	150.5	213.4	297.2	339.1	297.7	215.0	152.9
95°	420.4	347.9	420.4	492.9	511.0	671.1	884.5	991.2	837.2	529.0	297.9
97.5°	1007.2	869.2	1007.2	1145.3	1179.8	1280.9	1415.8	1483.2	1226.4	712.6	327.3
100°	1451.2	1286.8	1451.2	1615.6	1656.8	1649.4	1639.5	1634.6	1349.5	779.4	351.8
102.5°	1887.9	1747.1	1887.9	2028.9	2064.1	1935.1	1763.3	1677.4	1388.2	810.0	376.3
105°	2444.8	2369.1	2444.8	2520.6	2539.5	2250.6	1865.3	1672.6	1392.7	832.7	412.8
107.5°	2809.6	2827.9	2809.6	2791.2	2786.6	2383.6	1846.3	1577.6	1330.7	837.0	466.7
110°	2948.6	3027.5	2948.6	2869.7	2850.0	2399.5	1798.7	1498.3	1275.8	830.6	496.8



TEST NUMBER: P934669

CATALOG NUMBER: SQ4-FA-075U-050D-935-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2961.0	3082.2	2961.0	2839.9	2809.6	2348.5	1733.6	1426.2	1227.8	831.0	533.3
115°	2882.5	3050.5	2882.5	2714.6	2672.6	2228.3	1636.0	1339.9	1172.8	838.5	587.9
117.5°	2716.0	2902.3	2716.0	2529.8	2483.2	2082.2	1547.7	1280.4	1138.3	854.1	641.0
120°	2581.9	2762.9	2581.9	2400.9	2355.6	1989.2	1500.8	1256.6	1126.7	866.8	671.9
122.5°	2451.2	2629.8	2451.2	2272.7	2228.1	1898.2	1458.3	1238.4	1120.6	885.1	708.4
125°	2264.9	2429.3	2264.9	2100.4	2059.3	1779.1	1405.5	1218.6	1115.6	909.6	755.1
127.5°	2097.3	2236.0	2097.3	1958.5	1923.8	1683.2	1362.4	1202.0	1112.7	934.2	800.3
130°	1998.5	2126.7	1998.5	1870.2	1838.2	1624.0	1338.4	1195.6	1114.4	952.1	830.4
132.5°	1908.8	2023.7	1908.8	1794.1	1765.3	1573.6	1317.9	1190.1	1115.6	966.6	854.9
135°	1786.0	1885.0	1786.0	1687.0	1662.3	1501.7	1287.6	1180.6	1114.6	982.5	883.4
137.5°	1687.5	1768.5	1687.5	1606.5	1586.3	1450.5	1269.5	1179.0	1121.4	1006.3	919.9
140°	1619.9	1695.6	1619.9	1544.2	1525.3	1408.0	1251.7	1173.5	1122.6	1020.8	944.4
142.5°	1563.9	1629.0	1563.9	1498.8	1482.5	1379.5	1242.1	1173.5	1126.6	1033.0	962.7
145°	1479.9	1529.2	1479.9	1430.7	1418.3	1334.1	1221.7	1165.5	1126.6	1048.8	990.4
147.5°	1415.4	1456.3	1415.4	1374.6	1364.4	1298.1	1209.8	1165.5	1134.4	1072.1	1025.3
150°	1374.9	1408.0	1374.9	1341.7	1333.5	1277.5	1202.9	1165.5	1138.4	1084.2	1043.5
152.5°	1340.2	1365.2	1340.2	1315.1	1308.9	1261.1	1197.4	1165.5	1141.1	1092.1	1055.4
155°	1300.3	1316.9	1300.3	1283.8	1279.6	1241.6	1190.9	1165.5	1146.9	1109.6	1081.5
157.5°	1268.8	1280.4	1268.8	1257.1	1254.2	1224.7	1185.2	1165.5	1152.7	1126.9	1107.7
160°	1250.0	1256.6	1250.0	1243.3	1241.6	1216.2	1182.4	1165.5	1155.3	1134.9	1119.6
162.5°	1237.6	1244.0	1237.6	1231.3	1229.7	1208.3	1179.8	1165.5	1158.1	1143.3	1132.2
165°	1219.8	1226.5	1219.8	1213.2	1211.5	1196.1	1175.8	1165.5	1162.2	1155.5	1150.5
167.5°	1207.1	1209.9	1207.1	1204.2	1203.5	1193.5	1180.1	1173.5	1170.6	1165.0	1160.8
170°	1203.5	1203.5	1203.5	1203.5	1203.5	1193.5	1180.1	1173.5	1173.3	1172.9	1172.7
172.5°	1194.2	1191.7	1194.2	1196.6	1197.2	1189.3	1178.7	1173.5	1173.5	1173.5	1173.5
175°	1188.5	1188.5	1188.5	1188.5	1188.5	1183.5	1176.8	1173.5	1175.1	1178.2	1180.6
177.5°	1183.4	1180.6	1183.4	1186.2	1186.9	1183.0	1177.7	1175.1	1176.3	1178.7	1180.6
180°	1180.6	1180.6	1180.6	1180.6	1180.6	1180.6	1180.6	1180.6	1180.6	1180.6	1180.6



TEST NUMBER: P934669

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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1811.9	1811.9	1811.9	1811.9	1811.9	1811.9	1811.9	1811.9	1811.9	1811.9	1811.9
2.5°	1837.6	1827.3	1827.3	1810.2	1803.3	1798.1	1789.6	1763.9	1757.1	1750.2	1760.5
5°	1853.0	1834.2	1820.5	1789.6	1763.9	1753.6	1721.0	1659.4	1618.2	1587.4	1570.2
7.5°	1856.4	1832.5	1806.8	1758.8	1697.0	1669.6	1570.2	1457.1	1426.2	1398.8	1381.6
10°	1853.0	1825.6	1789.6	1717.6	1571.9	1523.9	1424.5	1350.8	1331.9	1326.8	1331.9
12.5°	1841.0	1815.4	1765.6	1645.6	1441.7	1409.0	1350.8	1307.9	1304.5	1313.1	1359.4
15°	1820.5	1796.4	1738.2	1549.6	1369.7	1345.6	1304.5	1289.1	1307.9	1367.9	1506.8
17.5°	1799.9	1772.5	1700.5	1455.4	1314.8	1297.7	1268.5	1299.4	1405.6	1486.2	1532.5
20°	1772.5	1739.9	1657.7	1386.8	1275.4	1259.9	1246.2	1385.1	1465.6	1494.7	1520.5
22.5°	1739.9	1705.6	1599.4	1338.7	1234.2	1222.2	1230.8	1433.1	1465.6	1486.2	1508.5
25°	1697.0	1667.9	1530.8	1301.1	1201.7	1187.9	1220.5	1428.0	1446.8	1451.9	1496.5
27.5°	1657.7	1619.9	1458.8	1266.8	1162.2	1157.1	1229.1	1405.6	1419.3	1424.5	1472.5
30°	1609.6	1553.0	1378.2	1230.8	1121.1	1119.4	1230.8	1378.2	1374.8	1388.5	1436.5
32.5°	1559.9	1453.6	1287.4	1186.2	1081.6	1079.9	1218.8	1337.0	1333.6	1352.5	1388.5
35°	1513.7	1376.5	1163.9	1134.8	1031.9	1033.6	1189.6	1289.1	1290.8	1307.9	1330.2
37.5°	1465.6	1309.6	1028.5	1078.2	984.0	984.0	1150.2	1244.5	1241.1	1246.2	1277.1
40°	1409.0	1205.1	908.5	1004.5	939.4	934.2	1102.2	1196.5	1184.5	1182.8	1225.6
42.5°	1349.1	1090.2	819.4	906.8	888.0	881.1	1044.0	1138.2	1115.9	1121.1	1175.9
45°	1284.0	1059.4	750.8	766.2	834.8	829.7	980.5	1071.4	1056.0	1069.7	1126.3
47.5°	1218.8	997.7	728.5	635.9	778.2	776.5	910.2	1006.2	997.7	1011.4	1071.4
50°	1129.7	929.1	726.8	545.1	714.8	721.6	826.3	942.8	942.8	954.8	1018.2
52.5°	1014.8	845.1	660.0	493.6	641.1	661.7	752.5	888.0	891.4	903.4	959.9
55°	910.2	757.7	612.0	454.3	553.7	598.3	680.5	831.4	838.2	850.2	901.7
57.5°	814.3	630.8	601.7	407.9	473.1	516.0	617.1	776.5	779.9	790.2	840.0
60°	711.4	456.0	552.0	358.3	402.8	435.4	558.8	711.4	723.3	730.2	773.1
62.5°	594.8	330.8	500.6	324.0	368.6	375.4	510.9	649.6	665.1	670.3	696.0
65°	423.4	277.7	425.1	294.9	332.5	334.2	459.4	586.3	600.0	608.5	627.4
67.5°	286.3	226.3	324.0	267.4	305.1	306.8	409.7	512.6	531.4	538.3	550.2
70°	198.9	150.9	240.0	238.3	274.3	277.7	356.6	445.7	462.8	468.0	474.8
72.5°	145.7	121.7	198.9	214.3	241.7	245.1	301.7	370.3	387.4	392.5	396.0
75°	111.4	128.6	161.1	186.8	205.7	207.4	246.8	301.7	313.7	317.1	318.8
77.5°	89.1	120.0	118.3	150.9	168.0	164.5	193.7	233.1	243.4	243.4	243.4
80°	66.9	94.3	89.1	108.0	123.5	120.0	138.9	166.3	169.7	173.1	171.4
82.5°	49.7	60.0	60.0	68.6	82.3	78.9	92.5	108.0	108.0	108.0	111.4
85°	30.8	34.3	27.4	36.0	46.3	44.6	51.5	58.3	60.0	60.0	56.6
87.5°	18.8	15.4	8.6	13.7	20.5	20.5	24.0	25.7	24.0	24.0	24.0
90°	20.5	14.2	7.9	14.2	20.5	22.2	34.8	51.8	60.2	53.5	40.1
92.5°	139.5	85.5	31.7	85.5	139.5	152.9	215.0	297.7	339.1	297.2	213.4
95°	273.3	174.7	76.1	174.7	273.3	297.9	529.0	837.2	991.2	884.5	671.1
97.5°	305.5	218.5	131.5	218.5	305.5	327.3	712.6	1226.4	1483.2	1415.8	1280.9
100°	332.1	253.2	174.3	253.2	332.1	351.8	779.4	1349.5	1634.6	1639.5	1649.4
102.5°	357.9	284.4	210.8	284.4	357.9	376.3	810.0	1388.2	1677.4	1763.3	1935.1
105°	397.2	334.9	272.6	334.9	397.2	412.8	832.7	1392.7	1672.6	1865.3	2250.6
107.5°	452.2	394.0	335.9	394.0	452.2	466.7	837.0	1330.7	1577.6	1846.3	2383.6
110°	483.7	431.2	378.7	431.2	483.7	496.8	830.6	1275.8	1498.3	1798.7	2399.5



TEST NUMBER: P934669

CATALOG NUMBER: SQ4-FA-075U-050D-935-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	520.7	470.7	420.7	470.7	520.7	533.3	831.0	1227.8	1426.2	1733.6	2348.5
115°	576.4	530.2	484.1	530.2	576.4	587.9	838.5	1172.8	1339.9	1636.0	2228.3
117.5°	630.5	588.6	546.7	588.6	630.5	641.0	854.1	1138.3	1280.4	1547.7	2082.2
120°	662.0	622.6	583.2	622.6	662.0	671.9	866.8	1126.7	1256.6	1500.8	1989.2
122.5°	698.4	658.6	618.8	658.6	698.4	708.4	885.1	1120.6	1238.4	1458.3	1898.2
125°	746.1	709.8	673.5	709.8	746.1	755.1	909.6	1115.6	1218.6	1405.5	1779.1
127.5°	791.2	754.5	717.9	754.5	791.2	800.3	934.2	1112.7	1202.0	1362.4	1683.2
130°	820.5	781.1	741.7	781.1	820.5	830.4	952.1	1114.4	1195.6	1338.4	1624.0
132.5°	845.0	805.7	766.2	805.7	845.0	854.9	966.6	1115.6	1190.1	1317.9	1573.6
135°	874.5	838.5	802.7	838.5	874.5	883.4	982.5	1114.6	1180.6	1287.6	1501.7
137.5°	911.0	875.4	839.9	875.4	911.0	919.9	1006.3	1121.4	1179.0	1269.5	1450.5
140°	936.3	903.5	870.7	903.5	936.3	944.4	1020.8	1122.6	1173.5	1251.7	1408.0
142.5°	955.1	924.8	894.5	924.8	955.1	962.7	1033.0	1126.6	1173.5	1242.1	1379.5
145°	983.8	957.4	931.0	957.4	983.8	990.4	1048.8	1126.6	1165.5	1221.7	1334.1
147.5°	1018.9	993.2	967.4	993.2	1018.9	1025.3	1072.1	1134.4	1165.5	1209.8	1298.1
150°	1037.7	1014.5	991.2	1014.5	1037.7	1043.5	1084.2	1138.4	1165.5	1202.9	1277.5
152.5°	1050.9	1033.4	1015.8	1033.4	1050.9	1055.4	1092.1	1141.1	1165.5	1197.4	1261.1
155°	1078.3	1065.3	1052.2	1065.3	1078.3	1081.5	1109.6	1146.9	1165.5	1190.9	1241.6
157.5°	1104.5	1091.8	1079.1	1091.8	1104.5	1107.7	1126.9	1152.7	1165.5	1185.2	1224.7
160°	1117.1	1107.3	1097.4	1107.3	1117.1	1119.6	1134.9	1155.3	1165.5	1182.4	1216.2
162.5°	1130.3	1123.0	1115.6	1123.0	1130.3	1132.2	1143.3	1158.1	1165.5	1179.8	1208.3
165°	1148.8	1142.1	1135.5	1142.1	1148.8	1150.5	1155.5	1162.2	1165.5	1175.8	1196.1
167.5°	1160.0	1156.8	1153.6	1156.8	1160.0	1160.8	1165.0	1170.6	1173.5	1180.1	1193.5
170°	1171.9	1168.7	1165.5	1168.7	1171.9	1172.7	1172.9	1173.3	1173.5	1180.1	1193.5
172.5°	1173.3	1172.5	1171.8	1172.5	1173.3	1173.5	1173.5	1173.5	1173.5	1178.7	1189.3
175°	1180.6	1180.6	1180.6	1180.6	1180.6	1180.6	1178.2	1175.1	1173.5	1176.8	1183.5
177.5°	1180.6	1180.6	1180.6	1180.6	1180.6	1180.6	1178.7	1176.3	1175.1	1177.7	1183.0
180°	1180.6	1180.6	1180.6	1180.6	1180.6	1180.6	1180.6	1180.6	1180.6	1180.6	1180.6



TEST NUMBER: P934669

CATALOG NUMBER: SQ4-FA-075U-050D-935-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1811.9	1811.9	1811.9	1811.9	1811.9	1811.9	1811.9	1811.9	1811.9	1811.9	1811.9
2.5°	1748.5	1743.4	1750.2	1731.3	1750.2	1743.4	1748.5	1760.5	1750.2	1757.1	1763.9
5°	1534.2	1525.6	1498.2	1475.9	1498.2	1525.6	1534.2	1570.2	1587.4	1618.2	1659.4
7.5°	1371.4	1364.5	1357.7	1343.9	1357.7	1364.5	1371.4	1381.6	1398.8	1426.2	1457.1
10°	1335.3	1337.0	1347.4	1345.6	1347.4	1337.0	1335.3	1331.9	1326.8	1331.9	1350.8
12.5°	1428.0	1443.4	1499.9	1496.5	1499.9	1443.4	1428.0	1359.4	1313.1	1304.5	1307.9
15°	1534.2	1539.3	1551.3	1553.0	1551.3	1539.3	1534.2	1506.8	1367.9	1307.9	1289.1
17.5°	1544.5	1546.2	1554.7	1554.7	1554.7	1546.2	1544.5	1532.5	1486.2	1405.6	1299.4
20°	1535.9	1539.3	1556.5	1559.9	1556.5	1539.3	1535.9	1520.5	1494.7	1465.6	1385.1
22.5°	1532.5	1539.3	1553.0	1551.3	1553.0	1539.3	1532.5	1508.5	1486.2	1465.6	1433.1
25°	1515.4	1515.4	1517.1	1518.8	1517.1	1515.4	1515.4	1496.5	1451.9	1446.8	1428.0
27.5°	1479.3	1482.7	1493.0	1491.3	1493.0	1482.7	1479.3	1472.5	1424.5	1419.3	1405.6
30°	1446.8	1443.4	1434.8	1428.0	1434.8	1443.4	1446.8	1436.5	1388.5	1374.8	1378.2
32.5°	1391.9	1383.3	1374.8	1369.7	1374.8	1383.3	1391.9	1388.5	1352.5	1333.6	1337.0
35°	1326.8	1328.5	1326.8	1321.6	1326.8	1328.5	1326.8	1330.2	1307.9	1290.8	1289.1
37.5°	1280.5	1284.0	1282.2	1275.4	1282.2	1284.0	1280.5	1277.1	1246.2	1241.1	1244.5
40°	1232.5	1234.2	1232.5	1227.4	1232.5	1234.2	1232.5	1225.6	1182.8	1184.5	1196.5
42.5°	1186.2	1184.5	1179.3	1175.9	1179.3	1184.5	1186.2	1175.9	1121.1	1115.9	1138.2
45°	1133.1	1134.8	1124.5	1119.4	1124.5	1134.8	1133.1	1126.3	1069.7	1056.0	1071.4
47.5°	1079.9	1079.9	1071.4	1066.2	1071.4	1079.9	1079.9	1071.4	1011.4	997.7	1006.2
50°	1023.3	1021.6	1009.6	1007.9	1009.6	1021.6	1023.3	1018.2	954.8	942.8	942.8
52.5°	958.2	958.2	959.9	963.4	959.9	958.2	958.2	959.9	903.4	891.4	888.0
55°	901.7	903.4	915.4	918.8	915.4	903.4	901.7	901.7	850.2	838.2	831.4
57.5°	843.4	843.4	851.9	851.9	851.9	843.4	843.4	840.0	790.2	779.9	776.5
60°	776.5	779.9	786.8	785.1	786.8	779.9	776.5	773.1	730.2	723.3	711.4
62.5°	706.2	709.7	711.4	707.9	711.4	709.7	706.2	696.0	670.3	665.1	649.6
65°	632.5	635.9	637.6	634.2	637.6	635.9	632.5	627.4	608.5	600.0	586.3
67.5°	557.1	555.4	553.7	560.5	553.7	555.4	557.1	550.2	538.3	531.4	512.6
70°	479.9	479.9	478.2	481.7	478.2	479.9	479.9	474.8	468.0	462.8	445.7
72.5°	397.7	396.0	402.8	397.7	402.8	396.0	397.7	396.0	392.5	387.4	370.3
75°	317.1	320.5	317.1	322.2	317.1	320.5	317.1	318.8	317.1	313.7	301.7
77.5°	241.7	245.1	241.7	241.7	241.7	245.1	241.7	243.4	243.4	243.4	233.1
80°	171.4	169.7	169.7	168.0	169.7	169.7	171.4	171.4	173.1	169.7	166.3
82.5°	109.7	108.0	108.0	111.4	108.0	108.0	109.7	111.4	108.0	108.0	108.0
85°	60.0	61.7	58.3	58.3	58.3	61.7	60.0	56.6	60.0	60.0	58.3
87.5°	22.3	20.5	20.5	20.5	20.5	20.5	22.3	24.0	24.0	24.0	25.7
90°	30.1	30.1	30.1	30.1	30.1	30.1	30.1	40.1	53.5	60.2	51.8
92.5°	150.5	144.6	120.6	96.7	120.6	144.6	150.5	213.4	297.2	339.1	297.7
95°	511.0	492.9	420.4	347.9	420.4	492.9	511.0	671.1	884.5	991.2	837.2
97.5°	1179.8	1145.3	1007.2	869.2	1007.2	1145.3	1179.8	1280.9	1415.8	1483.2	1226.4
100°	1656.8	1615.6	1451.2	1286.8	1451.2	1615.6	1656.8	1649.4	1639.5	1634.6	1349.5
102.5°	2064.1	2028.9	1887.9	1747.1	1887.9	2028.9	2064.1	1935.1	1763.3	1677.4	1388.2
105°	2539.5	2520.6	2444.8	2369.1	2444.8	2520.6	2539.5	2250.6	1865.3	1672.6	1392.7
107.5°	2786.6	2791.2	2809.6	2827.9	2809.6	2791.2	2786.6	2383.6	1846.3	1577.6	1330.7
110°	2850.0	2869.7	2948.6	3027.5	2948.6	2869.7	2850.0	2399.5	1798.7	1498.3	1275.8



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2809.6	2839.9	2961.0	3082.2	2961.0	2839.9	2809.6	2348.5	1733.6	1426.2	1227.8
115°	2672.6	2714.6	2882.5	3050.5	2882.5	2714.6	2672.6	2228.3	1636.0	1339.9	1172.8
117.5°	2483.2	2529.8	2716.0	2902.3	2716.0	2529.8	2483.2	2082.2	1547.7	1280.4	1138.3
120°	2355.6	2400.9	2581.9	2762.9	2581.9	2400.9	2355.6	1989.2	1500.8	1256.6	1126.7
122.5°	2228.1	2272.7	2451.2	2629.8	2451.2	2272.7	2228.1	1898.2	1458.3	1238.4	1120.6
125°	2059.3	2100.4	2264.9	2429.3	2264.9	2100.4	2059.3	1779.1	1405.5	1218.6	1115.6
127.5°	1923.8	1958.5	2097.3	2236.0	2097.3	1958.5	1923.8	1683.2	1362.4	1202.0	1112.7
130°	1838.2	1870.2	1998.5	2126.7	1998.5	1870.2	1838.2	1624.0	1338.4	1195.6	1114.4
132.5°	1765.3	1794.1	1908.8	2023.7	1908.8	1794.1	1765.3	1573.6	1317.9	1190.1	1115.6
135°	1662.3	1687.0	1786.0	1885.0	1786.0	1687.0	1662.3	1501.7	1287.6	1180.6	1114.6
137.5°	1586.3	1606.5	1687.5	1768.5	1687.5	1606.5	1586.3	1450.5	1269.5	1179.0	1121.4
140°	1525.3	1544.2	1619.9	1695.6	1619.9	1544.2	1525.3	1408.0	1251.7	1173.5	1122.6
142.5°	1482.5	1498.8	1563.9	1629.0	1563.9	1498.8	1482.5	1379.5	1242.1	1173.5	1126.6
145°	1418.3	1430.7	1479.9	1529.2	1479.9	1430.7	1418.3	1334.1	1221.7	1165.5	1126.6
147.5°	1364.4	1374.6	1415.4	1456.3	1415.4	1374.6	1364.4	1298.1	1209.8	1165.5	1134.4
150°	1333.5	1341.7	1374.9	1408.0	1374.9	1341.7	1333.5	1277.5	1202.9	1165.5	1138.4
152.5°	1308.9	1315.1	1340.2	1365.2	1340.2	1315.1	1308.9	1261.1	1197.4	1165.5	1141.1
155°	1279.6	1283.8	1300.3	1316.9	1300.3	1283.8	1279.6	1241.6	1190.9	1165.5	1146.9
157.5°	1254.2	1257.1	1268.8	1280.4	1268.8	1257.1	1254.2	1224.7	1185.2	1165.5	1152.7
160°	1241.6	1243.3	1250.0	1256.6	1250.0	1243.3	1241.6	1216.2	1182.4	1165.5	1155.3
162.5°	1229.7	1231.3	1237.6	1244.0	1237.6	1231.3	1229.7	1208.3	1179.8	1165.5	1158.1
165°	1211.5	1213.2	1219.8	1226.5	1219.8	1213.2	1211.5	1196.1	1175.8	1165.5	1162.2
167.5°	1203.5	1204.2	1207.1	1209.9	1207.1	1204.2	1203.5	1193.5	1180.1	1173.5	1170.6
170°	1203.5	1203.5	1203.5	1203.5	1203.5	1203.5	1203.5	1193.5	1180.1	1173.5	1173.3
172.5°	1197.2	1196.6	1194.2	1191.7	1194.2	1196.6	1197.2	1189.3	1178.7	1173.5	1173.5
175°	1188.5	1188.5	1188.5	1188.5	1188.5	1188.5	1188.5	1183.5	1176.8	1173.5	1175.1
177.5°	1186.9	1186.2	1183.4	1180.6	1183.4	1186.2	1186.9	1183.0	1177.7	1175.1	1176.3
180°	1180.6	1180.6	1180.6	1180.6	1180.6	1180.6	1180.6	1180.6	1180.6	1180.6	1180.6



TEST NUMBER: P934669

CATALOG NUMBER: SQ4-FA-075U-050D-935-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1811.9	1811.9	1811.9	1811.9	1811.9
2.5°	1789.6	1798.1	1803.3	1810.2	1827.3
5°	1721.0	1753.6	1763.9	1789.6	1820.5
7.5°	1570.2	1669.6	1697.0	1758.8	1806.8
10°	1424.5	1523.9	1571.9	1717.6	1789.6
12.5°	1350.8	1409.0	1441.7	1645.6	1765.6
15°	1304.5	1345.6	1369.7	1549.6	1738.2
17.5°	1268.5	1297.7	1314.8	1455.4	1700.5
20°	1246.2	1259.9	1275.4	1386.8	1657.7
22.5°	1230.8	1222.2	1234.2	1338.7	1599.4
25°	1220.5	1187.9	1201.7	1301.1	1530.8
27.5°	1229.1	1157.1	1162.2	1266.8	1458.8
30°	1230.8	1119.4	1121.1	1230.8	1378.2
32.5°	1218.8	1079.9	1081.6	1186.2	1287.4
35°	1189.6	1033.6	1031.9	1134.8	1163.9
37.5°	1150.2	984.0	984.0	1078.2	1028.5
40°	1102.2	934.2	939.4	1004.5	908.5
42.5°	1044.0	881.1	888.0	906.8	819.4
45°	980.5	829.7	834.8	766.2	750.8
47.5°	910.2	776.5	778.2	635.9	728.5
50°	826.3	721.6	714.8	545.1	726.8
52.5°	752.5	661.7	641.1	493.6	660.0
55°	680.5	598.3	553.7	454.3	612.0
57.5°	617.1	516.0	473.1	407.9	601.7
60°	558.8	435.4	402.8	358.3	552.0
62.5°	510.9	375.4	368.6	324.0	500.6
65°	459.4	334.2	332.5	294.9	425.1
67.5°	409.7	306.8	305.1	267.4	324.0
70°	356.6	277.7	274.3	238.3	240.0
72.5°	301.7	245.1	241.7	214.3	198.9
75°	246.8	207.4	205.7	186.8	161.1
77.5°	193.7	164.5	168.0	150.9	118.3
80°	138.9	120.0	123.5	108.0	89.1
82.5°	92.5	78.9	82.3	68.6	60.0
85°	51.5	44.6	46.3	36.0	27.4
87.5°	24.0	20.5	20.5	13.7	8.6
90°	34.8	22.2	20.5	14.2	7.9
92.5°	215.0	152.9	139.5	85.5	31.7
95°	529.0	297.9	273.3	174.7	76.1
97.5°	712.6	327.3	305.5	218.5	131.5
100°	779.4	351.8	332.1	253.2	174.3
102.5°	810.0	376.3	357.9	284.4	210.8
105°	832.7	412.8	397.2	334.9	272.6
107.5°	837.0	466.7	452.2	394.0	335.9
110°	830.6	496.8	483.7	431.2	378.7



TEST NUMBER: P934669
 CATALOG NUMBER: SQ4-FA-075U-050D-935-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	831.0	533.3	520.7	470.7	420.7
115°	838.5	587.9	576.4	530.2	484.1
117.5°	854.1	641.0	630.5	588.6	546.7
120°	866.8	671.9	662.0	622.6	583.2
122.5°	885.1	708.4	698.4	658.6	618.8
125°	909.6	755.1	746.1	709.8	673.5
127.5°	934.2	800.3	791.2	754.5	717.9
130°	952.1	830.4	820.5	781.1	741.7
132.5°	966.6	854.9	845.0	805.7	766.2
135°	982.5	883.4	874.5	838.5	802.7
137.5°	1006.3	919.9	911.0	875.4	839.9
140°	1020.8	944.4	936.3	903.5	870.7
142.5°	1033.0	962.7	955.1	924.8	894.5
145°	1048.8	990.4	983.8	957.4	931.0
147.5°	1072.1	1025.3	1018.9	993.2	967.4
150°	1084.2	1043.5	1037.7	1014.5	991.2
152.5°	1092.1	1055.4	1050.9	1033.4	1015.8
155°	1109.6	1081.5	1078.3	1065.3	1052.2
157.5°	1126.9	1107.7	1104.5	1091.8	1079.1
160°	1134.9	1119.6	1117.1	1107.3	1097.4
162.5°	1143.3	1132.2	1130.3	1123.0	1115.6
165°	1155.5	1150.5	1148.8	1142.1	1135.5
167.5°	1165.0	1160.8	1160.0	1156.8	1153.6
170°	1172.9	1172.7	1171.9	1168.7	1165.5
172.5°	1173.5	1173.5	1173.3	1172.5	1171.8
175°	1178.2	1180.6	1180.6	1180.6	1180.6
177.5°	1178.7	1180.6	1180.6	1180.6	1180.6
180°	1180.6	1180.6	1180.6	1180.6	1180.6



TEST NUMBER: P934669
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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	9.58	10.35	10.64	11.41	12.84	12.44	13.20	13.49	14.26	15.69
	3H	10.05	10.74	11.12	11.80	13.25	13.78	14.46	14.84	15.53	16.98
	4H	10.24	10.89	11.31	11.96	13.41	14.22	14.87	15.30	15.94	17.40
	6H	10.35	10.95	11.44	12.02	13.49	14.51	15.11	15.59	16.18	17.65
	8H	10.35	10.92	11.44	12.01	13.47	14.58	15.15	15.67	16.24	17.70
	12H	10.32	10.86	11.41	11.94	13.43	14.62	15.16	15.71	16.24	17.73
4H	2H	10.61	11.26	11.69	12.33	13.78	12.83	13.48	13.91	14.55	16.00
	3H	11.63	12.17	12.72	13.26	14.73	14.33	14.87	15.42	15.97	17.44
	4H	11.90	12.39	12.99	13.48	14.97	14.86	15.36	15.96	16.44	17.93
	6H	12.02	12.44	13.12	13.55	15.04	15.23	15.65	16.33	16.76	18.25
	8H	12.02	12.42	13.12	13.52	15.02	15.34	15.73	16.44	16.83	18.33
	12H	11.98	12.34	13.10	13.46	14.96	15.39	15.75	16.51	16.86	18.37
8H	4H	12.35	12.75	13.45	13.85	15.35	14.98	15.38	16.08	16.48	17.98
	6H	12.61	12.93	13.73	14.08	15.57	15.42	15.74	16.54	16.89	18.38
	8H	12.65	12.93	13.78	14.06	15.58	15.57	15.86	16.70	16.98	18.50
	12H	12.63	12.88	13.76	14.00	15.55	15.67	15.92	16.80	17.04	18.60
12H	4H	12.35	12.71	13.47	13.82	15.33	14.94	15.30	16.06	16.41	17.92
	6H	12.67	12.95	13.80	14.08	15.60	15.41	15.70	16.54	16.82	18.34
	8H	12.73	12.98	13.86	14.10	15.66	15.57	15.83	16.71	16.95	18.50