

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: P935165

Luminaire Tested: SQ4-FA-100U-075D-93050-1D-UNV-STD-W-8-3000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935165
REPORT IS A COMBINATION OF REPORTS P933744 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-100U-075D-93050-1D-UNV-STD-W-8-3000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

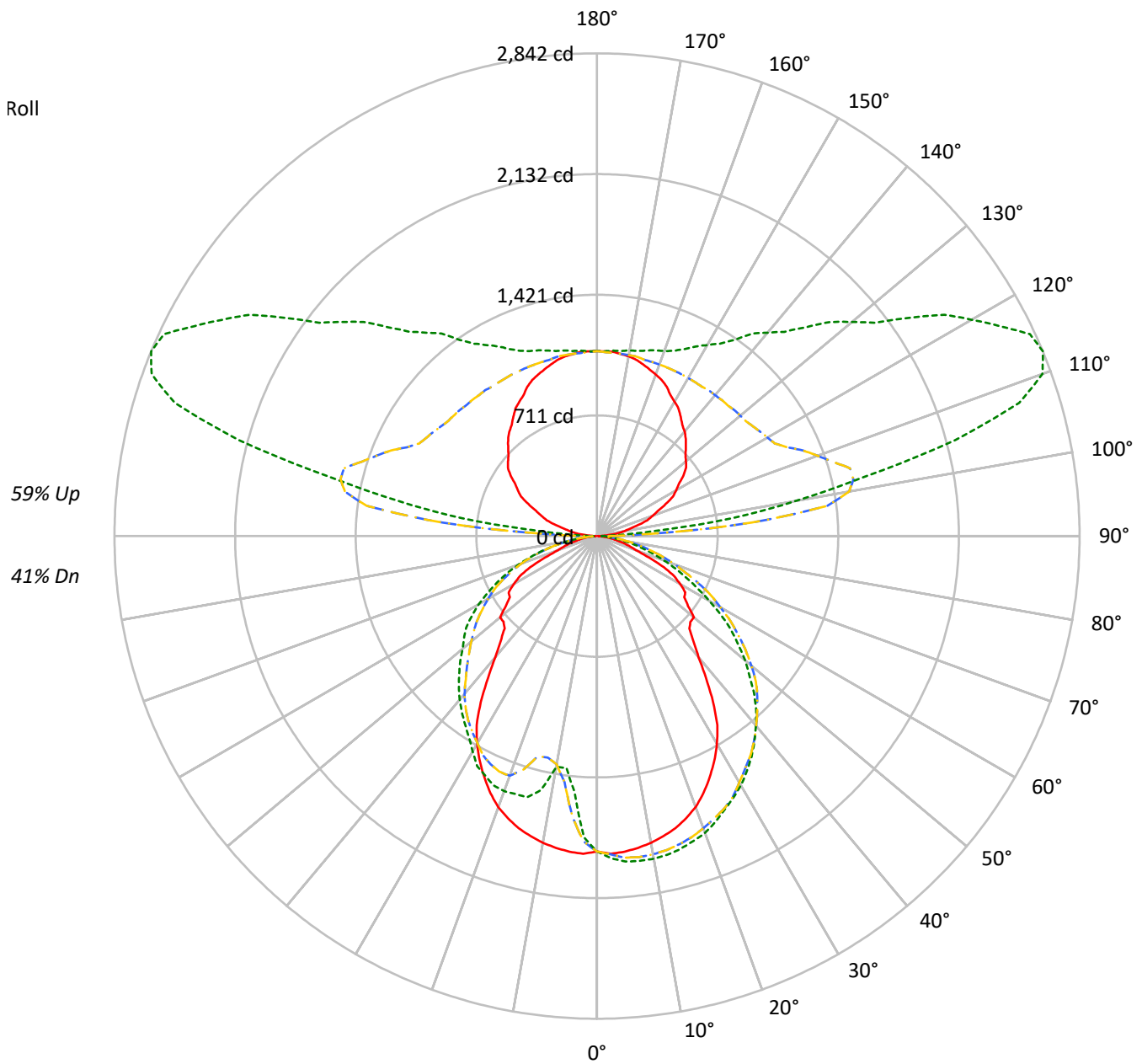
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11875.6 lumens
Efficiency: N/A
Efficacy: 120.7 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 8' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 98.4
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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CATALOG NUMBER: SQ4-FA-100U-075D-93050-1D-UNV-STD-W-8-3000K

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	
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	0
RCR																		
0	105	105	105	105	96	96	96	96	78	78	78	62	62	62	47	47	47	41
1	96	91	88	84	87	83	80	77	68	66	64	55	53	52	42	41	40	34
2	87	80	74	69	79	73	68	63	60	56	53	48	45	43	37	35	34	29
3	79	70	63	57	72	64	58	53	53	48	45	42	39	37	33	31	29	24
4	73	62	54	48	66	57	50	45	47	42	38	38	34	31	29	27	25	21
5	67	55	47	41	60	51	44	38	42	37	33	34	30	27	26	24	22	18
6	61	49	41	36	56	45	38	33	38	32	28	31	27	24	24	21	19	16
7	57	45	37	31	51	41	34	29	34	29	25	28	24	21	22	19	17	14
8	52	40	33	27	48	37	30	26	31	26	22	25	21	18	20	17	15	13
9	49	37	29	24	44	34	27	23	28	23	20	23	19	17	18	16	13	11
10	46	34	26	22	41	31	25	20	26	21	18	21	18	15	17	14	12	10

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	8614	8614	8614	8614
5°	8678	8696	8678	6837
10°	8620	8566	8620	6123
15°	8527	8380	8527	6997
20°	8348	8160	8348	7012
25°	7984	7839	7984	6863
30°	7511	7573	7511	6537
35°	6696	7236	6696	6179
40°	5580	6840	5580	5907
45°	4986	6376	4986	5596
50°	5297	5823	5297	5284
55°	4984	5227	4984	5103
60°	5137	4439	5137	4674
65°	4657	3669	4657	4102
70°	3225	2924	3225	3438
75°	2828	2162	2828	2588
80°	2278	1429	2278	1556
85°	1309	757	1309	643

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 7641 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	167.6	1.4
10°-20°	475.8	4.0
20°-30°	735.6	6.2
30°-40°	878.1	7.4
40°-50°	883.3	7.4
50°-60°	768.6	6.5
60°-70°	544.9	4.6
70°-80°	288.3	2.4
80°-90°	76.0	0.6
90°-100°	530.7	4.5
100°-110°	1395.2	11.7
110°-120°	1446.6	12.2
120°-130°	1160.4	9.8
130°-140°	910.5	7.7
140°-150°	698.8	5.9
150°-160°	503.3	4.2
160°-170°	307.9	2.6
170°-180°	104.0	0.9
0°-30°	1379.0	11.6
0°-40°	2257.1	19.0
0°-60°	3908.9	32.9
0°-90°	4818.1	40.6
90°-120°	3372.5	28.4
90°-150°	6142.2	51.7
90°-180°	7057.0	59.4
0°-180°	11875.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1857	1857	1857	1857	1857	
5°	1865	1923	1865	1512	1865	177
15°	1781	1906	1781	1591	1781	501
25°	1569	1778	1569	1556	1569	720
35°	1193	1586	1193	1354	1193	738
45°	769	1307	769	1147	769	616
55°	627	964	627	942	627	576
65°	436	581	436	650	436	416
75°	165	276	165	330	165	174
85°	28	70	28	60	28	38
90°	7	28	7	28	7	7
95°	70	321	70	321	70	78
105°	251	2185	251	2185	251	266
115°	446	2813	446	2813	446	441
125°	621	2240	621	2240	621	551
135°	740	1738	740	1738	740	573
145°	858	1410	858	1410	858	538
155°	970	1214	970	1214	970	446
165°	1047	1131	1047	1131	1047	295
175°	1089	1096	1089	1096	1089	103
180°	1089	1089	1089	1089	1089	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1856.6	1856.6	1856.6	1856.6	1856.6	1856.6	1856.6	1856.6	1856.6	1856.6	1856.6
2.5°	1872.4	1872.4	1883.0	1886.5	1886.5	1881.2	1876.0	1881.2	1897.0	1902.3	1900.6
5°	1865.4	1879.5	1898.8	1902.3	1905.8	1904.1	1900.6	1904.1	1921.6	1925.1	1926.9
7.5°	1851.4	1877.7	1902.3	1907.6	1912.9	1907.6	1905.8	1909.3	1926.9	1930.4	1930.4
10°	1833.8	1870.7	1898.8	1902.3	1907.6	1902.3	1902.3	1909.3	1926.9	1930.4	1932.2
12.5°	1809.2	1860.2	1886.5	1890.0	1897.0	1895.3	1893.5	1900.6	1918.1	1921.6	1921.6
15°	1781.1	1840.8	1865.4	1868.9	1881.2	1877.7	1877.7	1884.7	1904.1	1909.3	1907.6
17.5°	1742.5	1816.2	1844.3	1849.6	1858.4	1856.6	1858.4	1865.4	1883.0	1886.5	1888.3
20°	1698.5	1782.9	1816.2	1821.5	1830.3	1830.3	1830.3	1839.1	1856.6	1863.7	1863.7
22.5°	1638.8	1747.7	1782.9	1786.4	1796.9	1796.9	1800.4	1812.7	1828.5	1830.3	1830.3
25°	1568.6	1709.1	1738.9	1749.5	1760.0	1765.3	1770.6	1777.6	1782.9	1781.1	1782.9
27.5°	1494.8	1659.9	1698.5	1705.6	1719.6	1724.9	1731.9	1733.7	1735.4	1740.7	1737.2
30°	1412.2	1591.4	1649.4	1656.4	1679.2	1682.7	1675.7	1679.2	1688.0	1691.5	1695.0
32.5°	1319.1	1489.5	1598.4	1614.2	1635.3	1624.8	1623.0	1628.3	1642.3	1642.3	1645.8
35°	1192.6	1410.5	1551.0	1565.0	1580.9	1568.6	1575.6	1577.3	1586.1	1591.4	1589.6
37.5°	1053.9	1342.0	1501.8	1512.3	1524.6	1508.8	1519.4	1524.6	1531.7	1528.2	1528.2
40°	931.0	1234.8	1443.8	1450.9	1461.4	1449.1	1459.6	1463.2	1466.7	1463.2	1461.4
42.5°	839.7	1117.1	1382.4	1391.1	1384.1	1392.9	1396.4	1403.4	1398.2	1391.1	1391.1
45°	769.4	1085.5	1315.6	1326.1	1315.6	1329.7	1334.9	1334.9	1319.1	1315.6	1313.9
47.5°	746.6	1022.3	1248.9	1248.9	1243.6	1261.2	1269.9	1257.6	1241.8	1236.6	1236.6
50°	744.8	952.1	1157.5	1150.5	1175.1	1196.2	1187.4	1175.1	1162.8	1143.5	1143.5
52.5°	676.3	866.0	1039.9	1066.2	1104.8	1117.1	1103.1	1090.8	1069.7	1060.9	1053.9
55°	627.1	776.4	932.8	985.5	1025.9	1041.7	1015.3	1003.0	971.4	966.1	962.6
57.5°	616.6	646.4	834.4	901.1	950.3	948.6	932.8	909.9	883.6	878.3	876.5
60°	565.6	467.3	729.0	808.0	859.0	853.7	839.7	818.6	794.0	790.5	787.0
62.5°	512.9	339.0	609.5	699.1	771.1	769.4	757.1	725.5	707.9	699.1	692.1
65°	435.6	284.6	433.9	581.4	685.1	688.6	662.2	639.4	620.1	609.5	607.8
67.5°	332.0	231.9	293.4	484.8	602.5	599.0	565.6	555.1	530.5	525.2	514.7
70°	245.9	154.6	203.8	393.5	521.7	512.9	486.6	474.3	451.4	439.2	432.1
72.5°	203.8	124.7	149.3	305.6	439.2	428.6	405.8	391.7	372.4	361.9	354.8
75°	165.1	131.7	114.2	226.6	356.6	349.6	328.5	314.4	298.6	284.6	286.3
77.5°	121.2	123.0	91.3	166.9	282.8	272.3	260.0	242.4	235.4	221.3	221.3
80°	91.3	96.6	68.5	114.2	203.8	203.8	193.2	180.9	168.6	161.6	161.6
82.5°	61.5	61.5	50.9	72.0	138.8	133.5	126.5	123.0	115.9	112.4	112.4
85°	28.1	35.1	31.6	43.9	75.5	79.0	79.0	75.5	73.8	70.3	72.0
87.5°	8.8	15.8	19.3	24.6	38.6	40.4	42.2	42.2	42.2	43.9	43.9
90°	7.3	13.2	19.0	20.5	32.1	47.7	55.5	49.4	37.0	27.8	27.8
92.5°	29.2	79.0	128.7	141.1	198.2	274.6	312.7	274.0	196.8	138.9	133.3
95°	70.2	161.1	252.0	274.7	487.8	771.9	914.0	815.7	618.9	471.3	454.6
97.5°	121.3	201.5	281.8	301.8	657.1	1130.9	1367.8	1305.6	1181.2	1088.0	1056.2
100°	160.7	233.5	306.3	324.4	718.7	1244.5	1507.3	1511.9	1521.0	1527.8	1489.9
102.5°	194.4	262.2	330.1	347.0	746.9	1280.1	1546.8	1626.0	1784.5	1903.4	1870.9
105°	251.4	308.8	366.3	380.7	767.9	1284.3	1542.4	1720.0	2075.2	2341.7	2324.2
107.5°	309.8	363.4	416.9	430.4	771.9	1227.1	1454.7	1702.5	2198.0	2569.6	2573.9
110°	349.2	397.6	446.0	458.1	766.0	1176.4	1381.7	1658.7	2212.6	2628.1	2646.3



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	387.9	434.1	480.3	491.8	766.2	1132.2	1315.2	1598.7	2165.6	2590.9	2618.8
115°	446.4	489.0	531.5	542.2	773.3	1081.5	1235.5	1508.7	2054.9	2464.5	2503.2
117.5°	504.1	542.8	581.4	591.1	787.7	1049.7	1180.7	1427.2	1920.1	2289.8	2332.8
120°	537.8	574.1	610.5	619.6	799.3	1039.0	1158.8	1384.0	1834.4	2172.2	2213.9
122.5°	570.6	607.3	644.1	653.2	816.1	1033.3	1142.0	1344.8	1750.4	2054.6	2095.8
125°	621.0	654.5	688.0	696.3	838.8	1028.8	1123.7	1296.0	1640.6	1899.0	1936.9
127.5°	662.0	695.7	729.5	737.9	861.4	1026.1	1108.4	1256.3	1552.1	1774.0	1806.0
130°	683.8	720.2	756.6	765.7	877.9	1027.7	1102.5	1234.2	1497.6	1695.1	1724.6
132.5°	706.5	742.9	779.2	788.4	891.4	1028.8	1097.4	1215.3	1451.0	1627.8	1654.3
135°	740.1	773.3	806.5	814.7	906.1	1027.8	1088.7	1187.4	1384.8	1532.9	1555.7
137.5°	774.5	807.2	840.1	848.3	927.9	1034.1	1087.2	1170.6	1337.6	1462.7	1481.4
140°	802.9	833.2	863.4	870.9	941.3	1035.2	1082.1	1154.2	1298.4	1406.5	1424.0
142.5°	824.9	852.8	880.8	887.7	952.5	1038.9	1082.1	1145.4	1272.0	1367.1	1382.1
145°	858.5	882.9	907.3	913.3	967.2	1038.9	1074.8	1126.6	1230.1	1307.9	1319.2
147.5°	892.1	915.8	939.5	945.5	988.6	1046.1	1074.8	1115.5	1197.0	1258.2	1267.6
150°	914.0	935.5	956.9	962.3	999.8	1049.7	1074.8	1109.2	1178.1	1229.7	1237.4
152.5°	936.7	953.0	969.2	973.2	1007.1	1052.2	1074.8	1104.2	1163.0	1207.0	1212.8
155°	970.3	982.3	994.3	997.3	1023.1	1057.6	1074.8	1098.1	1145.0	1180.0	1183.8
157.5°	995.1	1006.8	1018.6	1021.5	1039.2	1062.9	1074.8	1093.0	1129.3	1156.6	1159.3
160°	1012.0	1021.1	1030.2	1032.4	1046.6	1065.4	1074.8	1090.4	1121.6	1145.0	1146.5
162.5°	1028.8	1035.6	1042.5	1044.1	1054.3	1067.9	1074.8	1088.0	1114.2	1134.0	1135.5
165°	1047.0	1053.2	1059.3	1060.9	1065.6	1071.7	1074.8	1084.2	1103.1	1117.2	1118.8
167.5°	1063.8	1066.7	1069.7	1070.4	1074.2	1079.4	1082.1	1088.2	1100.6	1109.8	1110.4
170°	1074.8	1077.7	1080.7	1081.4	1081.6	1081.9	1082.1	1088.2	1100.6	1109.8	1109.8
172.5°	1080.7	1081.3	1081.9	1082.1	1082.1	1082.1	1082.1	1087.0	1096.7	1104.0	1103.5
175°	1088.7	1088.7	1088.7	1088.7	1086.5	1083.6	1082.1	1085.1	1091.3	1095.9	1095.9
177.5°	1088.7	1088.7	1088.7	1088.7	1087.0	1084.7	1083.6	1086.0	1090.8	1094.5	1093.9
180°	1088.7	1088.7	1088.7	1088.7	1088.7	1088.7	1088.7	1088.7	1088.7	1088.7	1088.7



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1856.6	1856.6	1856.6	1856.6	1856.6	1856.6	1856.6	1856.6	1856.6	1856.6	1856.6
2.5°	1904.1	1898.8	1904.1	1900.6	1902.3	1897.0	1881.2	1876.0	1881.2	1886.5	1886.5
5°	1926.9	1923.4	1926.9	1926.9	1925.1	1921.6	1904.1	1900.6	1904.1	1905.8	1902.3
7.5°	1933.9	1928.7	1933.9	1930.4	1930.4	1926.9	1909.3	1905.8	1907.6	1912.9	1907.6
10°	1933.9	1928.7	1933.9	1932.2	1930.4	1926.9	1909.3	1902.3	1902.3	1907.6	1902.3
12.5°	1925.1	1921.6	1925.1	1921.6	1921.6	1918.1	1900.6	1893.5	1895.3	1897.0	1890.0
15°	1911.1	1905.8	1911.1	1907.6	1909.3	1904.1	1884.7	1877.7	1877.7	1881.2	1868.9
17.5°	1890.0	1883.0	1890.0	1888.3	1886.5	1883.0	1865.4	1858.4	1856.6	1858.4	1849.6
20°	1865.4	1860.2	1865.4	1863.7	1863.7	1856.6	1839.1	1830.3	1830.3	1830.3	1821.5
22.5°	1826.8	1821.5	1826.8	1830.3	1830.3	1828.5	1812.7	1800.4	1796.9	1796.9	1786.4
25°	1782.9	1777.6	1782.9	1782.9	1781.1	1782.9	1777.6	1770.6	1765.3	1760.0	1749.5
27.5°	1740.7	1737.2	1740.7	1737.2	1740.7	1735.4	1733.7	1731.9	1724.9	1719.6	1705.6
30°	1698.5	1695.0	1698.5	1695.0	1691.5	1688.0	1679.2	1675.7	1682.7	1679.2	1656.4
32.5°	1645.8	1642.3	1645.8	1645.8	1642.3	1642.3	1628.3	1623.0	1624.8	1635.3	1614.2
35°	1591.4	1586.1	1591.4	1589.6	1591.4	1586.1	1577.3	1575.6	1568.6	1580.9	1565.0
37.5°	1528.2	1522.9	1528.2	1528.2	1528.2	1531.7	1524.6	1519.4	1508.8	1524.6	1512.3
40°	1463.2	1456.1	1463.2	1461.4	1463.2	1466.7	1463.2	1459.6	1449.1	1461.4	1450.9
42.5°	1389.4	1387.6	1389.4	1391.1	1391.1	1398.2	1403.4	1396.4	1392.9	1384.1	1391.1
45°	1310.3	1306.8	1310.3	1313.9	1315.6	1319.1	1334.9	1334.9	1329.7	1315.6	1326.1
47.5°	1226.0	1217.2	1226.0	1236.6	1236.6	1241.8	1257.6	1269.9	1261.2	1243.6	1248.9
50°	1136.4	1138.2	1136.4	1143.5	1143.5	1162.8	1175.1	1187.4	1196.2	1175.1	1150.5
52.5°	1048.6	1046.9	1048.6	1053.9	1060.9	1069.7	1090.8	1103.1	1117.1	1104.8	1066.2
55°	960.9	964.4	960.9	962.6	966.1	971.4	1003.0	1015.3	1041.7	1025.9	985.5
57.5°	873.0	867.8	873.0	876.5	878.3	883.6	909.9	932.8	948.6	950.3	901.1
60°	771.1	764.1	771.1	787.0	790.5	794.0	818.6	839.7	853.7	859.0	808.0
62.5°	681.6	669.3	681.6	692.1	699.1	707.9	725.5	757.1	769.4	771.1	699.1
65°	586.7	581.4	586.7	607.8	609.5	620.1	639.4	662.2	688.6	685.1	581.4
67.5°	500.6	500.6	500.6	514.7	525.2	530.5	555.1	565.6	599.0	602.5	484.8
70°	421.6	419.8	421.6	432.1	439.2	451.4	474.3	486.6	512.9	521.7	393.5
72.5°	346.1	344.3	346.1	354.8	361.9	372.4	391.7	405.8	428.6	439.2	305.6
75°	279.3	275.8	279.3	286.3	284.6	298.6	314.4	328.5	349.6	356.6	226.6
77.5°	214.3	214.3	214.3	221.3	221.3	235.4	242.4	260.0	272.3	282.8	166.9
80°	159.9	158.1	159.9	161.6	161.6	168.6	180.9	193.2	203.8	203.8	114.2
82.5°	112.4	108.9	112.4	112.4	112.4	115.9	123.0	126.5	133.5	138.8	72.0
85°	70.3	70.3	70.3	72.0	70.3	73.8	75.5	79.0	79.0	75.5	43.9
87.5°	45.7	43.9	45.7	43.9	43.9	42.2	42.2	42.2	40.4	38.6	24.6
90°	27.8	27.8	27.8	27.8	27.8	37.0	49.4	55.5	47.7	32.1	20.5
92.5°	111.3	89.1	111.3	133.3	138.9	196.8	274.0	312.7	274.6	198.2	141.1
95°	387.7	320.8	387.7	454.6	471.3	618.9	815.7	914.0	771.9	487.8	274.7
97.5°	928.8	801.5	928.8	1056.2	1088.0	1181.2	1305.6	1367.8	1130.9	657.1	301.8
100°	1338.3	1186.6	1338.3	1489.9	1527.8	1521.0	1511.9	1507.3	1244.5	718.7	324.4
102.5°	1741.0	1611.1	1741.0	1870.9	1903.4	1784.5	1626.0	1546.8	1280.1	746.9	347.0
105°	2254.4	2184.6	2254.4	2324.2	2341.7	2075.2	1720.0	1542.4	1284.3	767.9	380.7
107.5°	2590.8	2607.7	2590.8	2573.9	2569.6	2198.0	1702.5	1454.7	1227.1	771.9	430.4
110°	2719.0	2791.8	2719.0	2646.3	2628.1	2212.6	1658.7	1381.7	1176.4	766.0	458.1



TEST NUMBER: P935165

CATALOG NUMBER: SQ4-FA-100U-075D-93050-1D-UNV-STD-W-8-3000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2730.5	2842.2	2730.5	2618.8	2590.9	2165.6	1598.7	1315.2	1132.2	766.2	491.8
115°	2658.1	2813.0	2658.1	2503.2	2464.5	2054.9	1508.7	1235.5	1081.5	773.3	542.2
117.5°	2504.6	2676.4	2504.6	2332.8	2289.8	1920.1	1427.2	1180.7	1049.7	787.7	591.1
120°	2380.9	2547.8	2380.9	2213.9	2172.2	1834.4	1384.0	1158.8	1039.0	799.3	619.6
122.5°	2260.4	2425.0	2260.4	2095.8	2054.6	1750.4	1344.8	1142.0	1033.3	816.1	653.2
125°	2088.5	2240.2	2088.5	1936.9	1899.0	1640.6	1296.0	1123.7	1028.8	838.8	696.3
127.5°	1933.9	2061.9	1933.9	1806.0	1774.0	1552.1	1256.3	1108.4	1026.1	861.4	737.9
130°	1842.9	1961.1	1842.9	1724.6	1695.1	1497.6	1234.2	1102.5	1027.7	877.9	765.7
132.5°	1760.2	1866.0	1760.2	1654.3	1627.8	1451.0	1215.3	1097.4	1028.8	891.4	788.4
135°	1647.0	1738.2	1647.0	1555.7	1532.9	1384.8	1187.4	1088.7	1027.8	906.1	814.7
137.5°	1556.1	1630.8	1556.1	1481.4	1462.7	1337.6	1170.6	1087.2	1034.1	927.9	848.3
140°	1493.7	1563.6	1493.7	1424.0	1406.5	1298.4	1154.2	1082.1	1035.2	941.3	870.9
142.5°	1442.2	1502.2	1442.2	1382.1	1367.1	1272.0	1145.4	1082.1	1038.9	952.5	887.7
145°	1364.7	1410.1	1364.7	1319.2	1307.9	1230.1	1126.6	1074.8	1038.9	967.2	913.3
147.5°	1305.2	1342.9	1305.2	1267.6	1258.2	1197.0	1115.5	1074.8	1046.1	988.6	945.5
150°	1267.8	1298.4	1267.8	1237.4	1229.7	1178.1	1109.2	1074.8	1049.7	999.8	962.3
152.5°	1235.9	1258.9	1235.9	1212.8	1207.0	1163.0	1104.2	1074.8	1052.2	1007.1	973.2
155°	1199.1	1214.3	1199.1	1183.8	1180.0	1145.0	1098.1	1074.8	1057.6	1023.1	997.3
157.5°	1170.0	1180.7	1170.0	1159.3	1156.6	1129.3	1093.0	1074.8	1062.9	1039.2	1021.5
160°	1152.7	1158.8	1152.7	1146.5	1145.0	1121.6	1090.4	1074.8	1065.4	1046.6	1032.4
162.5°	1141.3	1147.1	1141.3	1135.5	1134.0	1114.2	1088.0	1074.8	1067.9	1054.3	1044.1
165°	1124.9	1131.1	1124.9	1118.8	1117.2	1103.1	1084.2	1074.8	1071.7	1065.6	1060.9
167.5°	1113.1	1115.7	1113.1	1110.4	1109.8	1100.6	1088.2	1082.1	1079.4	1074.2	1070.4
170°	1109.8	1109.8	1109.8	1109.8	1109.8	1100.6	1088.2	1082.1	1081.9	1081.6	1081.4
172.5°	1101.2	1098.9	1101.2	1103.5	1104.0	1096.7	1087.0	1082.1	1082.1	1082.1	1082.1
175°	1095.9	1095.9	1095.9	1095.9	1095.9	1091.3	1085.1	1082.1	1083.6	1086.5	1088.7
177.5°	1091.3	1088.7	1091.3	1093.9	1094.5	1090.8	1086.0	1083.6	1084.7	1087.0	1088.7
180°	1088.7	1088.7	1088.7	1088.7	1088.7	1088.7	1088.7	1088.7	1088.7	1088.7	1088.7



TEST NUMBER: P935165

CATALOG NUMBER: SQ4-FA-100U-075D-93050-1D-UNV-STD-W-8-3000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1856.6	1856.6	1856.6	1856.6	1856.6	1856.6	1856.6	1856.6	1856.6	1856.6	1856.6
2.5°	1883.0	1872.4	1872.4	1854.9	1847.9	1842.6	1833.8	1807.5	1800.4	1793.4	1803.9
5°	1898.8	1879.5	1865.4	1833.8	1807.5	1796.9	1763.5	1700.3	1658.1	1626.5	1609.0
7.5°	1902.3	1877.7	1851.4	1802.2	1738.9	1710.8	1609.0	1493.0	1461.4	1433.3	1415.7
10°	1898.8	1870.7	1833.8	1760.0	1610.7	1561.5	1459.6	1384.1	1364.8	1359.5	1364.8
12.5°	1886.5	1860.2	1809.2	1686.3	1477.2	1443.8	1384.1	1340.2	1336.7	1345.5	1392.9
15°	1865.4	1840.8	1781.1	1587.9	1403.4	1378.8	1336.7	1320.9	1340.2	1401.7	1544.0
17.5°	1844.3	1816.2	1742.5	1491.3	1347.2	1329.7	1299.8	1331.4	1440.3	1522.9	1570.3
20°	1816.2	1782.9	1698.5	1421.0	1306.8	1291.0	1277.0	1419.2	1501.8	1531.7	1558.0
22.5°	1782.9	1747.7	1638.8	1371.8	1264.7	1252.4	1261.2	1468.4	1501.8	1522.9	1545.7
25°	1738.9	1709.1	1568.6	1333.2	1231.3	1217.2	1250.6	1463.2	1482.5	1487.8	1533.4
27.5°	1698.5	1659.9	1494.8	1298.0	1190.9	1185.6	1259.4	1440.3	1454.4	1459.6	1508.8
30°	1649.4	1591.4	1412.2	1261.2	1148.7	1147.0	1261.2	1412.2	1408.7	1422.8	1471.9
32.5°	1598.4	1489.5	1319.1	1215.5	1108.3	1106.6	1248.9	1370.1	1366.5	1385.9	1422.8
35°	1551.0	1410.5	1192.6	1162.8	1057.4	1059.1	1219.0	1320.9	1322.6	1340.2	1363.0
37.5°	1501.8	1342.0	1053.9	1104.8	1008.3	1008.3	1178.6	1275.2	1271.7	1277.0	1308.6
40°	1443.8	1234.8	931.0	1029.4	962.6	957.3	1129.4	1226.0	1213.7	1212.0	1255.9
42.5°	1382.4	1117.1	839.7	929.2	909.9	902.9	1069.7	1166.3	1143.5	1148.7	1204.9
45°	1315.6	1085.5	769.4	785.2	855.5	850.2	1004.8	1097.8	1082.0	1096.0	1154.0
47.5°	1248.9	1022.3	746.6	651.7	797.5	795.7	932.8	1031.1	1022.3	1036.4	1097.8
50°	1157.5	952.1	744.8	558.6	732.5	739.5	846.7	966.1	966.1	978.4	1043.4
52.5°	1039.9	866.0	676.3	505.9	657.0	678.0	771.1	909.9	913.4	925.7	983.7
55°	932.8	776.4	627.1	465.5	567.4	613.1	697.4	852.0	859.0	871.3	924.0
57.5°	834.4	646.4	616.6	418.1	484.8	528.7	632.4	795.7	799.3	809.8	860.7
60°	729.0	467.3	565.6	367.1	412.8	446.2	572.7	729.0	741.3	748.3	792.2
62.5°	609.5	339.0	512.9	332.0	377.7	384.7	523.5	665.8	681.6	686.8	713.2
65°	433.9	284.6	435.6	302.1	340.8	342.5	470.8	600.8	614.8	623.6	642.9
67.5°	293.4	231.9	332.0	274.0	312.7	314.4	419.8	525.2	544.5	551.6	563.9
70°	203.8	154.6	245.9	244.2	281.1	284.6	365.4	456.7	474.3	479.6	486.6
72.5°	149.3	124.7	203.8	219.6	247.7	251.2	309.2	379.4	397.0	402.3	405.8
75°	114.2	131.7	165.1	191.5	210.8	212.5	253.0	309.2	321.5	325.0	326.7
77.5°	91.3	123.0	121.2	154.6	172.1	168.6	198.5	238.9	249.4	249.4	249.4
80°	68.5	96.6	91.3	110.7	126.5	123.0	142.3	170.4	173.9	177.4	175.7
82.5°	50.9	61.5	61.5	70.3	84.3	80.8	94.9	110.7	110.7	110.7	114.2
85°	31.6	35.1	28.1	36.9	47.4	45.7	52.7	59.7	61.5	61.5	58.0
87.5°	19.3	15.8	8.8	14.1	21.1	21.1	24.6	26.3	24.6	24.6	24.6
90°	19.0	13.2	7.3	13.2	19.0	20.5	32.1	47.7	55.5	49.4	37.0
92.5°	128.7	79.0	29.2	79.0	128.7	141.1	198.2	274.6	312.7	274.0	196.8
95°	252.0	161.1	70.2	161.1	252.0	274.7	487.8	771.9	914.0	815.7	618.9
97.5°	281.8	201.5	121.3	201.5	281.8	301.8	657.1	1130.9	1367.8	1305.6	1181.2
100°	306.3	233.5	160.7	233.5	306.3	324.4	718.7	1244.5	1507.3	1511.9	1521.0
102.5°	330.1	262.2	194.4	262.2	330.1	347.0	746.9	1280.1	1546.8	1626.0	1784.5
105°	366.3	308.8	251.4	308.8	366.3	380.7	767.9	1284.3	1542.4	1720.0	2075.2
107.5°	416.9	363.4	309.8	363.4	416.9	430.4	771.9	1227.1	1454.7	1702.5	2198.0
110°	446.0	397.6	349.2	397.6	446.0	458.1	766.0	1176.4	1381.7	1658.7	2212.6



TEST NUMBER: P935165

CATALOG NUMBER: SQ4-FA-100U-075D-93050-1D-UNV-STD-W-8-3000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	480.3	434.1	387.9	434.1	480.3	491.8	766.2	1132.2	1315.2	1598.7	2165.6
115°	531.5	489.0	446.4	489.0	531.5	542.2	773.3	1081.5	1235.5	1508.7	2054.9
117.5°	581.4	542.8	504.1	542.8	581.4	591.1	787.7	1049.7	1180.7	1427.2	1920.1
120°	610.5	574.1	537.8	574.1	610.5	619.6	799.3	1039.0	1158.8	1384.0	1834.4
122.5°	644.1	607.3	570.6	607.3	644.1	653.2	816.1	1033.3	1142.0	1344.8	1750.4
125°	688.0	654.5	621.0	654.5	688.0	696.3	838.8	1028.8	1123.7	1296.0	1640.6
127.5°	729.5	695.7	662.0	695.7	729.5	737.9	861.4	1026.1	1108.4	1256.3	1552.1
130°	756.6	720.2	683.8	720.2	756.6	765.7	877.9	1027.7	1102.5	1234.2	1497.6
132.5°	779.2	742.9	706.5	742.9	779.2	788.4	891.4	1028.8	1097.4	1215.3	1451.0
135°	806.5	773.3	740.1	773.3	806.5	814.7	906.1	1027.8	1088.7	1187.4	1384.8
137.5°	840.1	807.2	774.5	807.2	840.1	848.3	927.9	1034.1	1087.2	1170.6	1337.6
140°	863.4	833.2	802.9	833.2	863.4	870.9	941.3	1035.2	1082.1	1154.2	1298.4
142.5°	880.8	852.8	824.9	852.8	880.8	887.7	952.5	1038.9	1082.1	1145.4	1272.0
145°	907.3	882.9	858.5	882.9	907.3	913.3	967.2	1038.9	1074.8	1126.6	1230.1
147.5°	939.5	915.8	892.1	915.8	939.5	945.5	988.6	1046.1	1074.8	1115.5	1197.0
150°	956.9	935.5	914.0	935.5	956.9	962.3	999.8	1049.7	1074.8	1109.2	1178.1
152.5°	969.2	953.0	936.7	953.0	969.2	973.2	1007.1	1052.2	1074.8	1104.2	1163.0
155°	994.3	982.3	970.3	982.3	994.3	997.3	1023.1	1057.6	1074.8	1098.1	1145.0
157.5°	1018.6	1006.8	995.1	1006.8	1018.6	1021.5	1039.2	1062.9	1074.8	1093.0	1129.3
160°	1030.2	1021.1	1012.0	1021.1	1030.2	1032.4	1046.6	1065.4	1074.8	1090.4	1121.6
162.5°	1042.5	1035.6	1028.8	1035.6	1042.5	1044.1	1054.3	1067.9	1074.8	1088.0	1114.2
165°	1059.3	1053.2	1047.0	1053.2	1059.3	1060.9	1065.6	1071.7	1074.8	1084.2	1103.1
167.5°	1069.7	1066.7	1063.8	1066.7	1069.7	1070.4	1074.2	1079.4	1082.1	1088.2	1100.6
170°	1080.7	1077.7	1074.8	1077.7	1080.7	1081.4	1081.6	1081.9	1082.1	1088.2	1100.6
172.5°	1081.9	1081.3	1080.7	1081.3	1081.9	1082.1	1082.1	1082.1	1082.1	1087.0	1096.7
175°	1088.7	1088.7	1088.7	1088.7	1088.7	1088.7	1086.5	1083.6	1082.1	1085.1	1091.3
177.5°	1088.7	1088.7	1088.7	1088.7	1088.7	1088.7	1087.0	1084.7	1083.6	1086.0	1090.8
180°	1088.7	1088.7	1088.7	1088.7	1088.7	1088.7	1088.7	1088.7	1088.7	1088.7	1088.7



TEST NUMBER: P935165

CATALOG NUMBER: SQ4-FA-100U-075D-93050-1D-UNV-STD-W-8-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1856.6	1856.6	1856.6	1856.6	1856.6	1856.6	1856.6	1856.6	1856.6	1856.6	1856.6
2.5°	1791.6	1786.4	1793.4	1774.1	1793.4	1786.4	1791.6	1803.9	1793.4	1800.4	1807.5
5°	1572.1	1563.3	1535.2	1512.3	1535.2	1563.3	1572.1	1609.0	1626.5	1658.1	1700.3
7.5°	1405.2	1398.2	1391.1	1377.1	1391.1	1398.2	1405.2	1415.7	1433.3	1461.4	1493.0
10°	1368.3	1370.1	1380.6	1378.8	1380.6	1370.1	1368.3	1364.8	1359.5	1364.8	1384.1
12.5°	1463.2	1479.0	1536.9	1533.4	1536.9	1479.0	1463.2	1392.9	1345.5	1336.7	1340.2
15°	1572.1	1577.3	1589.6	1591.4	1589.6	1577.3	1572.1	1544.0	1401.7	1340.2	1320.9
17.5°	1582.6	1584.4	1593.2	1593.2	1593.2	1584.4	1582.6	1570.3	1522.9	1440.3	1331.4
20°	1573.8	1577.3	1594.9	1598.4	1594.9	1577.3	1573.8	1558.0	1531.7	1501.8	1419.2
22.5°	1570.3	1577.3	1591.4	1589.6	1591.4	1577.3	1570.3	1545.7	1522.9	1501.8	1468.4
25°	1552.7	1552.7	1554.5	1556.3	1554.5	1552.7	1552.7	1533.4	1487.8	1482.5	1463.2
27.5°	1515.9	1519.4	1529.9	1528.2	1529.9	1519.4	1515.9	1508.8	1459.6	1454.4	1440.3
30°	1482.5	1479.0	1470.2	1463.2	1470.2	1479.0	1482.5	1471.9	1422.8	1408.7	1412.2
32.5°	1426.3	1417.5	1408.7	1403.4	1408.7	1417.5	1426.3	1422.8	1385.9	1366.5	1370.1
35°	1359.5	1361.3	1359.5	1354.3	1359.5	1361.3	1359.5	1363.0	1340.2	1322.6	1320.9
37.5°	1312.1	1315.6	1313.9	1306.8	1313.9	1315.6	1312.1	1308.6	1277.0	1271.7	1275.2
40°	1262.9	1264.7	1262.9	1257.6	1262.9	1264.7	1262.9	1255.9	1212.0	1213.7	1226.0
42.5°	1215.5	1213.7	1208.5	1204.9	1208.5	1213.7	1215.5	1204.9	1148.7	1143.5	1166.3
45°	1161.0	1162.8	1152.2	1147.0	1152.2	1162.8	1161.0	1154.0	1096.0	1082.0	1097.8
47.5°	1106.6	1106.6	1097.8	1092.5	1097.8	1106.6	1106.6	1097.8	1036.4	1022.3	1031.1
50°	1048.6	1046.9	1034.6	1032.9	1034.6	1046.9	1048.6	1043.4	978.4	966.1	966.1
52.5°	981.9	981.9	983.7	987.2	983.7	981.9	981.9	983.7	925.7	913.4	909.9
55°	924.0	925.7	938.0	941.5	938.0	925.7	924.0	924.0	871.3	859.0	852.0
57.5°	864.2	864.2	873.0	873.0	873.0	864.2	864.2	860.7	809.8	799.3	795.7
60°	795.7	799.3	806.3	804.5	806.3	799.3	795.7	792.2	748.3	741.3	729.0
62.5°	723.7	727.2	729.0	725.5	729.0	727.2	723.7	713.2	686.8	681.6	665.8
65°	648.2	651.7	653.5	649.9	653.5	651.7	648.2	642.9	623.6	614.8	600.8
67.5°	570.9	569.1	567.4	574.4	567.4	569.1	570.9	563.9	551.6	544.5	525.2
70°	491.8	491.8	490.1	493.6	490.1	491.8	491.8	486.6	479.6	474.3	456.7
72.5°	407.5	405.8	412.8	407.5	412.8	405.8	407.5	405.8	402.3	397.0	379.4
75°	325.0	328.5	325.0	330.2	325.0	328.5	325.0	326.7	325.0	321.5	309.2
77.5°	247.7	251.2	247.7	247.7	247.7	251.2	247.7	249.4	249.4	249.4	238.9
80°	175.7	173.9	173.9	172.1	173.9	173.9	175.7	175.7	177.4	173.9	170.4
82.5°	112.4	110.7	110.7	114.2	110.7	110.7	112.4	114.2	110.7	110.7	110.7
85°	61.5	63.2	59.7	59.7	59.7	63.2	61.5	58.0	61.5	61.5	59.7
87.5°	22.8	21.1	21.1	21.1	21.1	21.1	22.8	24.6	24.6	24.6	26.3
90°	27.8	27.8	27.8	27.8	27.8	27.8	27.8	37.0	49.4	55.5	47.7
92.5°	138.9	133.3	111.3	89.1	111.3	133.3	138.9	196.8	274.0	312.7	274.6
95°	471.3	454.6	387.7	320.8	387.7	454.6	471.3	618.9	815.7	914.0	771.9
97.5°	1088.0	1056.2	928.8	801.5	928.8	1056.2	1088.0	1181.2	1305.6	1367.8	1130.9
100°	1527.8	1489.9	1338.3	1186.6	1338.3	1489.9	1527.8	1521.0	1511.9	1507.3	1244.5
102.5°	1903.4	1870.9	1741.0	1611.1	1741.0	1870.9	1903.4	1784.5	1626.0	1546.8	1280.1
105°	2341.7	2324.2	2254.4	2184.6	2254.4	2324.2	2341.7	2075.2	1720.0	1542.4	1284.3
107.5°	2569.6	2573.9	2590.8	2607.7	2590.8	2573.9	2569.6	2198.0	1702.5	1454.7	1227.1
110°	2628.1	2646.3	2719.0	2791.8	2719.0	2646.3	2628.1	2212.6	1658.7	1381.7	1176.4



TEST NUMBER: P935165

CATALOG NUMBER: SQ4-FA-100U-075D-93050-1D-UNV-STD-W-8-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2590.9	2618.8	2730.5	2842.2	2730.5	2618.8	2590.9	2165.6	1598.7	1315.2	1132.2
115°	2464.5	2503.2	2658.1	2813.0	2658.1	2503.2	2464.5	2054.9	1508.7	1235.5	1081.5
117.5°	2289.8	2332.8	2504.6	2676.4	2504.6	2332.8	2289.8	1920.1	1427.2	1180.7	1049.7
120°	2172.2	2213.9	2380.9	2547.8	2380.9	2213.9	2172.2	1834.4	1384.0	1158.8	1039.0
122.5°	2054.6	2095.8	2260.4	2425.0	2260.4	2095.8	2054.6	1750.4	1344.8	1142.0	1033.3
125°	1899.0	1936.9	2088.5	2240.2	2088.5	1936.9	1899.0	1640.6	1296.0	1123.7	1028.8
127.5°	1774.0	1806.0	1933.9	2061.9	1933.9	1806.0	1774.0	1552.1	1256.3	1108.4	1026.1
130°	1695.1	1724.6	1842.9	1961.1	1842.9	1724.6	1695.1	1497.6	1234.2	1102.5	1027.7
132.5°	1627.8	1654.3	1760.2	1866.0	1760.2	1654.3	1627.8	1451.0	1215.3	1097.4	1028.8
135°	1532.9	1555.7	1647.0	1738.2	1647.0	1555.7	1532.9	1384.8	1187.4	1088.7	1027.8
137.5°	1462.7	1481.4	1556.1	1630.8	1556.1	1481.4	1462.7	1337.6	1170.6	1087.2	1034.1
140°	1406.5	1424.0	1493.7	1563.6	1493.7	1424.0	1406.5	1298.4	1154.2	1082.1	1035.2
142.5°	1367.1	1382.1	1442.2	1502.2	1442.2	1382.1	1367.1	1272.0	1145.4	1082.1	1038.9
145°	1307.9	1319.2	1364.7	1410.1	1364.7	1319.2	1307.9	1230.1	1126.6	1074.8	1038.9
147.5°	1258.2	1267.6	1305.2	1342.9	1305.2	1267.6	1258.2	1197.0	1115.5	1074.8	1046.1
150°	1229.7	1237.4	1267.8	1298.4	1267.8	1237.4	1229.7	1178.1	1109.2	1074.8	1049.7
152.5°	1207.0	1212.8	1235.9	1258.9	1235.9	1212.8	1207.0	1163.0	1104.2	1074.8	1052.2
155°	1180.0	1183.8	1199.1	1214.3	1199.1	1183.8	1180.0	1145.0	1098.1	1074.8	1057.6
157.5°	1156.6	1159.3	1170.0	1180.7	1170.0	1159.3	1156.6	1129.3	1093.0	1074.8	1062.9
160°	1145.0	1146.5	1152.7	1158.8	1152.7	1146.5	1145.0	1121.6	1090.4	1074.8	1065.4
162.5°	1134.0	1135.5	1141.3	1147.1	1141.3	1135.5	1134.0	1114.2	1088.0	1074.8	1067.9
165°	1117.2	1118.8	1124.9	1131.1	1124.9	1118.8	1117.2	1103.1	1084.2	1074.8	1071.7
167.5°	1109.8	1110.4	1113.1	1115.7	1113.1	1110.4	1109.8	1100.6	1088.2	1082.1	1079.4
170°	1109.8	1109.8	1109.8	1109.8	1109.8	1109.8	1109.8	1100.6	1088.2	1082.1	1081.9
172.5°	1104.0	1103.5	1101.2	1098.9	1101.2	1103.5	1104.0	1096.7	1087.0	1082.1	1082.1
175°	1095.9	1095.9	1095.9	1095.9	1095.9	1095.9	1095.9	1091.3	1085.1	1082.1	1083.6
177.5°	1094.5	1093.9	1091.3	1088.7	1091.3	1093.9	1094.5	1090.8	1086.0	1083.6	1084.7
180°	1088.7	1088.7	1088.7	1088.7	1088.7	1088.7	1088.7	1088.7	1088.7	1088.7	1088.7



TEST NUMBER: P935165

CATALOG NUMBER: SQ4-FA-100U-075D-93050-1D-UNV-STD-W-8-3000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1856.6	1856.6	1856.6	1856.6	1856.6
2.5°	1833.8	1842.6	1847.9	1854.9	1872.4
5°	1763.5	1796.9	1807.5	1833.8	1865.4
7.5°	1609.0	1710.8	1738.9	1802.2	1851.4
10°	1459.6	1561.5	1610.7	1760.0	1833.8
12.5°	1384.1	1443.8	1477.2	1686.3	1809.2
15°	1336.7	1378.8	1403.4	1587.9	1781.1
17.5°	1299.8	1329.7	1347.2	1491.3	1742.5
20°	1277.0	1291.0	1306.8	1421.0	1698.5
22.5°	1261.2	1252.4	1264.7	1371.8	1638.8
25°	1250.6	1217.2	1231.3	1333.2	1568.6
27.5°	1259.4	1185.6	1190.9	1298.0	1494.8
30°	1261.2	1147.0	1148.7	1261.2	1412.2
32.5°	1248.9	1106.6	1108.3	1215.5	1319.1
35°	1219.0	1059.1	1057.4	1162.8	1192.6
37.5°	1178.6	1008.3	1008.3	1104.8	1053.9
40°	1129.4	957.3	962.6	1029.4	931.0
42.5°	1069.7	902.9	909.9	929.2	839.7
45°	1004.8	850.2	855.5	785.2	769.4
47.5°	932.8	795.7	797.5	651.7	746.6
50°	846.7	739.5	732.5	558.6	744.8
52.5°	771.1	678.0	657.0	505.9	676.3
55°	697.4	613.1	567.4	465.5	627.1
57.5°	632.4	528.7	484.8	418.1	616.6
60°	572.7	446.2	412.8	367.1	565.6
62.5°	523.5	384.7	377.7	332.0	512.9
65°	470.8	342.5	340.8	302.1	435.6
67.5°	419.8	314.4	312.7	274.0	332.0
70°	365.4	284.6	281.1	244.2	245.9
72.5°	309.2	251.2	247.7	219.6	203.8
75°	253.0	212.5	210.8	191.5	165.1
77.5°	198.5	168.6	172.1	154.6	121.2
80°	142.3	123.0	126.5	110.7	91.3
82.5°	94.9	80.8	84.3	70.3	61.5
85°	52.7	45.7	47.4	36.9	28.1
87.5°	24.6	21.1	21.1	14.1	8.8
90°	32.1	20.5	19.0	13.2	7.3
92.5°	198.2	141.1	128.7	79.0	29.2
95°	487.8	274.7	252.0	161.1	70.2
97.5°	657.1	301.8	281.8	201.5	121.3
100°	718.7	324.4	306.3	233.5	160.7
102.5°	746.9	347.0	330.1	262.2	194.4
105°	767.9	380.7	366.3	308.8	251.4
107.5°	771.9	430.4	416.9	363.4	309.8
110°	766.0	458.1	446.0	397.6	349.2



TEST NUMBER: P935165

CATALOG NUMBER: SQ4-FA-100U-075D-93050-1D-UNV-STD-W-8-3000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	766.2	491.8	480.3	434.1	387.9
115°	773.3	542.2	531.5	489.0	446.4
117.5°	787.7	591.1	581.4	542.8	504.1
120°	799.3	619.6	610.5	574.1	537.8
122.5°	816.1	653.2	644.1	607.3	570.6
125°	838.8	696.3	688.0	654.5	621.0
127.5°	861.4	737.9	729.5	695.7	662.0
130°	877.9	765.7	756.6	720.2	683.8
132.5°	891.4	788.4	779.2	742.9	706.5
135°	906.1	814.7	806.5	773.3	740.1
137.5°	927.9	848.3	840.1	807.2	774.5
140°	941.3	870.9	863.4	833.2	802.9
142.5°	952.5	887.7	880.8	852.8	824.9
145°	967.2	913.3	907.3	882.9	858.5
147.5°	988.6	945.5	939.5	915.8	892.1
150°	999.8	962.3	956.9	935.5	914.0
152.5°	1007.1	973.2	969.2	953.0	936.7
155°	1023.1	997.3	994.3	982.3	970.3
157.5°	1039.2	1021.5	1018.6	1006.8	995.1
160°	1046.6	1032.4	1030.2	1021.1	1012.0
162.5°	1054.3	1044.1	1042.5	1035.6	1028.8
165°	1065.6	1060.9	1059.3	1053.2	1047.0
167.5°	1074.2	1070.4	1069.7	1066.7	1063.8
170°	1081.6	1081.4	1080.7	1077.7	1074.8
172.5°	1082.1	1082.1	1081.9	1081.3	1080.7
175°	1086.5	1088.7	1088.7	1088.7	1088.7
177.5°	1087.0	1088.7	1088.7	1088.7	1088.7
180°	1088.7	1088.7	1088.7	1088.7	1088.7



TEST NUMBER: P935165
 CATALOG NUMBER: SQ4-FA-100U-075D-93050-1D-UNV-STD-W-8-3000K

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	11.35	12.13	12.38	13.17	14.57	14.19	14.97	15.22	16.01	17.41
	3H	11.82	12.52	12.87	13.57	14.99	15.53	16.23	16.57	17.28	18.70
	4H	12.01	12.67	13.06	13.72	15.15	15.97	16.64	17.03	17.69	19.11
	6H	12.12	12.73	13.19	13.79	15.23	16.25	16.87	17.32	17.92	19.36
	8H	12.12	12.70	13.19	13.78	15.21	16.33	16.91	17.40	17.98	19.41
	12H	12.09	12.64	13.17	13.71	15.17	16.36	16.92	17.44	17.98	19.44
4H	2H	12.37	13.04	13.44	14.09	15.52	14.59	15.25	15.65	16.30	17.73
	3H	13.39	13.95	14.46	15.03	16.47	16.09	16.64	17.16	17.72	19.16
	4H	13.67	14.17	14.74	15.24	16.71	16.61	17.12	17.69	18.19	19.65
	6H	13.79	14.22	14.87	15.32	16.77	16.98	17.41	18.06	18.51	19.96
	8H	13.79	14.20	14.88	15.28	16.75	17.08	17.49	18.17	18.57	20.05
	12H	13.75	14.12	14.86	15.22	16.70	17.14	17.50	18.24	18.60	20.08
8H	4H	14.12	14.52	15.20	15.61	17.08	16.73	17.14	17.82	18.22	19.69
	6H	14.37	14.71	15.48	15.84	17.31	17.17	17.50	18.27	18.63	20.10
	8H	14.42	14.71	15.53	15.82	17.31	17.32	17.61	18.43	18.72	20.21
	12H	14.40	14.66	15.51	15.76	17.29	17.42	17.67	18.53	18.78	20.31
12H	4H	14.12	14.49	15.22	15.59	17.06	16.69	17.06	17.80	18.16	19.64
	6H	14.43	14.73	15.55	15.84	17.33	17.16	17.46	18.28	18.57	20.06
	8H	14.50	14.76	15.62	15.86	17.39	17.32	17.58	18.44	18.69	20.21