

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: P935168

Luminaire Tested: SQ4-FA-100U-075D-93050-1D-UNV-STD-W-8-5000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935168
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-8-5000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

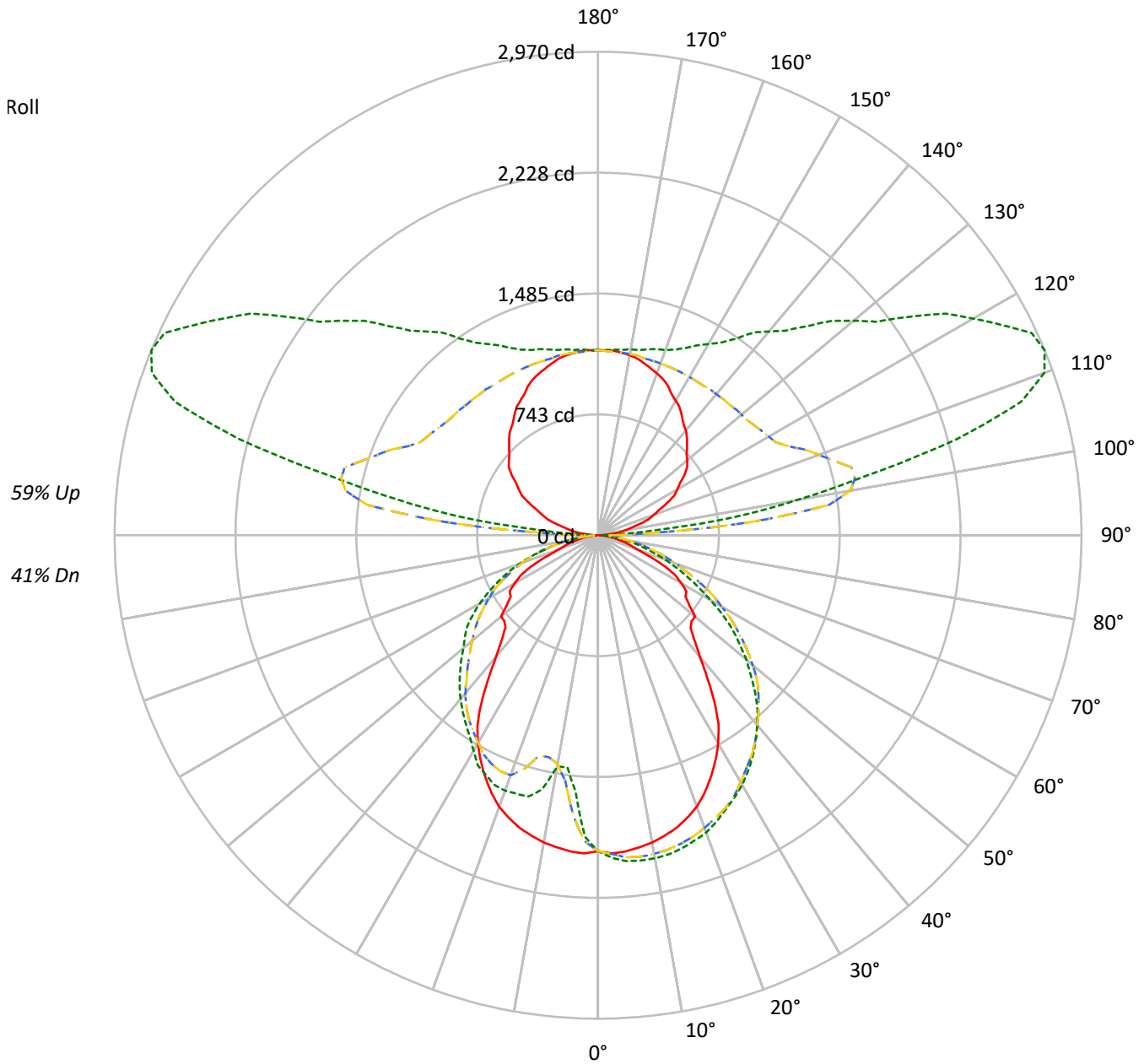
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12408.2 lumens
Efficiency: N/A
Efficacy: 126.1 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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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	50	30	10	0
RCR																					
0	105	105	105	105	96	96	96	96	78	78	78	62	62	62	47	47	47	47	47	47	41
1	96	91	88	84	87	83	80	77	68	66	64	55	53	52	42	41	40	40	40	40	34
2	87	80	74	69	79	73	68	63	60	56	53	48	45	43	37	35	34	34	34	34	29
3	79	70	63	57	72	64	58	53	53	48	45	42	39	37	33	31	29	29	29	29	24
4	73	62	54	48	66	57	50	45	47	42	38	38	34	31	29	27	25	25	25	25	21
5	67	55	47	41	60	51	44	38	42	37	33	34	30	27	26	24	22	22	22	22	18
6	61	49	41	36	56	45	38	33	38	32	28	31	27	24	24	21	19	19	19	19	16
7	57	45	37	31	51	41	34	29	34	29	25	28	24	21	22	19	17	17	17	17	14
8	52	40	33	27	48	37	30	26	31	26	22	25	21	18	20	17	15	15	15	15	13
9	49	37	29	24	44	34	27	23	28	23	20	23	19	17	18	16	13	13	13	13	11
10	46	34	26	22	41	31	25	20	26	21	18	21	18	15	17	14	12	12	12	12	10

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	9000	9000	9000	9000
5°	9068	9086	9068	7144
10°	9007	8950	9007	6398
15°	8909	8756	8909	7311
20°	8723	8526	8723	7326
25°	8341	8191	8341	7171
30°	7849	7913	7849	6830
35°	6997	7561	6997	6456
40°	5831	7147	5831	6172
45°	5210	6662	5210	5847
50°	5535	6084	5535	5521
55°	5207	5461	5207	5332
60°	5368	4638	5368	4883
65°	4867	3834	4867	4286
70°	3371	3056	3371	3592
75°	2954	2259	2954	2705
80°	2380	1493	2380	1626
85°	1369	791	1369	672

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 7984 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	175.1	1.4
10°-20°	497.2	4.0
20°-30°	768.6	6.2
30°-40°	917.5	7.4
40°-50°	922.9	7.4
50°-60°	803.0	6.5
60°-70°	569.4	4.6
70°-80°	301.2	2.4
80°-90°	79.4	0.6
90°-100°	554.5	4.5
100°-110°	1457.7	11.7
110°-120°	1511.5	12.2
120°-130°	1212.4	9.8
130°-140°	951.3	7.7
140°-150°	730.2	5.9
150°-160°	525.8	4.2
160°-170°	321.7	2.6
170°-180°	108.7	0.9
0°-30°	1440.9	11.6
0°-40°	2358.3	19.0
0°-60°	4084.3	32.9
0°-90°	5034.2	40.6
90°-120°	3523.7	28.4
90°-150°	6417.7	51.7
90°-180°	7374.0	59.4
0°-180°	12408.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1940	1940	1940	1940	1940	
5°	1949	2010	1949	1580	1949	185
15°	1861	1991	1861	1663	1861	524
25°	1639	1857	1639	1626	1639	753
35°	1246	1657	1246	1415	1246	771
45°	804	1365	804	1198	804	644
55°	655	1008	655	984	655	602
65°	455	608	455	679	455	435
75°	172	288	172	345	172	181
85°	29	73	29	62	29	40
90°	8	29	8	29	8	8
95°	73	335	73	335	73	81
105°	263	2283	263	2283	263	278
115°	466	2939	466	2939	466	461
125°	649	2341	649	2341	649	576
135°	773	1816	773	1816	773	598
145°	897	1473	897	1473	897	562
155°	1014	1269	1014	1269	1014	466
165°	1094	1182	1094	1182	1094	309
175°	1138	1145	1138	1145	1138	108
180°	1138	1138	1138	1138	1138	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9
2.5°	1956.4	1956.4	1967.4	1971.1	1971.1	1965.6	1960.1	1965.6	1982.1	1987.6	1985.8
5°	1949.1	1963.8	1984.0	1987.6	1991.3	1989.5	1985.8	1989.5	2007.8	2011.5	2013.3
7.5°	1934.4	1961.9	1987.6	1993.1	1998.6	1993.1	1991.3	1995.0	2013.3	2017.0	2017.0
10°	1916.1	1954.6	1984.0	1987.6	1993.1	1987.6	1987.6	1995.0	2013.3	2017.0	2018.8
12.5°	1890.4	1943.6	1971.1	1974.8	1982.1	1980.3	1978.5	1985.8	2004.2	2007.8	2007.8
15°	1861.0	1923.4	1949.1	1952.8	1965.6	1961.9	1961.9	1969.3	1989.5	1995.0	1993.1
17.5°	1820.6	1897.7	1927.1	1932.6	1941.8	1939.9	1941.8	1949.1	1967.4	1971.1	1973.0
20°	1774.7	1862.8	1897.7	1903.2	1912.4	1912.4	1912.4	1921.6	1939.9	1947.3	1947.3
22.5°	1712.3	1826.1	1862.8	1866.5	1877.5	1877.5	1881.2	1894.0	1910.5	1912.4	1912.4
25°	1638.9	1785.7	1816.9	1828.0	1839.0	1844.5	1850.0	1857.3	1862.8	1861.0	1862.8
27.5°	1561.8	1734.4	1774.7	1782.1	1796.8	1802.3	1809.6	1811.4	1813.3	1818.8	1815.1
30°	1475.6	1662.8	1723.3	1730.7	1754.5	1758.2	1750.9	1754.5	1763.7	1767.4	1771.1
32.5°	1378.3	1556.3	1670.1	1686.6	1708.7	1697.6	1695.8	1701.3	1716.0	1716.0	1719.7
35°	1246.1	1473.7	1620.6	1635.2	1651.8	1638.9	1646.3	1648.1	1657.3	1662.8	1660.9
37.5°	1101.1	1402.1	1569.2	1580.2	1593.0	1576.5	1587.5	1593.0	1600.4	1596.7	1596.7
40°	972.8	1290.2	1508.6	1515.9	1527.0	1514.1	1525.1	1528.8	1532.5	1528.8	1527.0
42.5°	877.3	1167.2	1444.4	1453.5	1446.2	1455.4	1459.0	1466.4	1460.9	1453.5	1453.5
45°	803.9	1134.2	1374.6	1385.6	1374.6	1389.3	1394.8	1394.8	1378.3	1374.6	1372.8
47.5°	780.0	1068.2	1304.9	1304.9	1299.4	1317.7	1326.9	1314.0	1297.5	1292.0	1292.0
50°	778.2	994.8	1209.4	1202.1	1227.8	1249.8	1240.6	1227.8	1214.9	1194.7	1194.7
52.5°	706.6	904.8	1086.6	1114.0	1154.4	1167.2	1152.5	1139.7	1117.7	1108.5	1101.1
55°	655.2	811.2	974.6	1029.7	1071.9	1088.4	1060.9	1048.0	1015.0	1009.5	1005.8
57.5°	644.2	675.4	871.8	941.6	992.9	991.1	974.6	950.7	923.2	917.7	915.9
60°	591.0	488.2	761.7	844.3	897.5	892.0	877.3	855.3	829.6	825.9	822.3
62.5°	535.9	354.2	636.9	730.5	805.7	803.9	791.1	758.0	739.7	730.5	723.1
65°	455.2	297.3	453.3	607.5	715.8	719.5	691.9	668.1	647.9	636.9	635.0
67.5°	346.9	242.3	306.5	506.6	629.5	625.9	591.0	580.0	554.3	548.8	537.8
70°	257.0	161.5	212.9	411.1	545.1	535.9	508.4	495.6	471.7	458.8	451.5
72.5°	212.9	130.3	156.0	319.4	458.8	447.8	424.0	409.3	389.1	378.1	370.7
75°	172.5	137.7	119.3	236.8	372.6	365.2	343.2	328.5	312.0	297.3	299.2
77.5°	126.6	128.5	95.4	174.4	295.5	284.5	271.6	253.3	245.9	231.3	231.3
80°	95.4	100.9	71.6	119.3	212.9	212.9	201.9	189.0	176.2	168.9	168.9
82.5°	64.2	64.2	53.2	75.3	145.0	139.5	132.1	128.5	121.1	117.5	117.5
85°	29.4	36.7	33.0	45.9	78.9	82.6	82.6	78.9	77.1	73.4	75.3
87.5°	9.2	16.5	20.2	25.7	40.4	42.2	44.0	44.0	44.0	45.9	45.9
90°	7.6	13.8	19.8	21.4	33.6	49.8	58.0	51.6	38.6	29.0	29.0
92.5°	30.6	82.5	134.4	147.4	207.1	286.9	326.7	286.3	205.7	145.1	139.3
95°	73.3	168.3	263.3	287.1	509.7	806.6	955.0	852.3	646.6	492.4	475.0
97.5°	126.7	210.5	294.4	315.3	686.6	1181.6	1429.1	1364.2	1234.2	1136.7	1103.5
100°	167.9	243.9	320.0	339.0	750.9	1300.3	1574.9	1579.7	1589.2	1596.3	1556.7
102.5°	203.1	273.9	344.9	362.6	780.4	1337.5	1616.2	1698.9	1864.6	1988.7	1954.8
105°	262.6	322.7	382.7	397.7	802.3	1341.9	1611.6	1797.1	2168.3	2446.8	2428.5
107.5°	323.7	379.7	435.6	449.7	806.5	1282.1	1520.0	1778.9	2296.6	2684.9	2689.3
110°	364.9	415.4	466.0	478.7	800.3	1229.2	1443.6	1733.1	2311.9	2746.0	2765.0



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	405.3	453.5	501.8	513.8	800.6	1183.0	1374.2	1670.4	2262.8	2707.1	2736.3
115°	466.5	510.9	555.4	566.5	807.9	1130.0	1290.9	1576.3	2147.0	2575.1	2615.5
117.5°	526.8	567.1	607.5	617.6	823.0	1096.7	1233.7	1491.2	2006.3	2392.5	2437.4
120°	561.9	599.9	637.9	647.3	835.2	1085.6	1210.8	1446.1	1916.7	2269.6	2313.2
122.5°	596.2	634.6	672.9	682.5	852.7	1079.7	1193.2	1405.1	1828.9	2146.8	2189.8
125°	648.9	683.9	718.8	727.5	876.4	1074.9	1174.1	1354.2	1714.2	1984.1	2023.8
127.5°	691.7	726.9	762.2	771.0	900.1	1072.1	1158.1	1312.7	1621.8	1853.6	1887.0
130°	714.5	752.5	790.5	800.0	917.3	1073.8	1152.0	1289.5	1564.8	1771.2	1802.0
132.5°	738.2	776.2	814.2	823.7	931.4	1074.9	1146.7	1269.8	1516.1	1700.9	1728.5
135°	773.3	807.9	842.6	851.3	946.7	1073.9	1137.5	1240.6	1446.9	1601.7	1625.5
137.5°	809.2	843.5	877.8	886.3	969.5	1080.5	1135.9	1223.1	1397.6	1528.3	1547.9
140°	839.0	870.5	902.1	910.0	983.5	1081.6	1130.6	1205.9	1356.6	1469.6	1487.9
142.5°	861.9	891.1	920.3	927.5	995.2	1085.4	1130.6	1196.8	1329.1	1428.4	1444.1
145°	897.0	922.5	948.0	954.3	1010.6	1085.5	1123.0	1177.1	1285.3	1366.5	1378.4
147.5°	932.1	956.9	981.7	987.9	1033.0	1093.0	1123.0	1165.6	1250.7	1314.6	1324.4
150°	955.0	977.4	999.8	1005.4	1044.6	1096.8	1123.0	1159.0	1230.9	1284.9	1292.8
152.5°	978.7	995.7	1012.7	1016.9	1052.2	1099.4	1123.0	1153.7	1215.1	1261.2	1267.2
155°	1013.8	1026.4	1038.9	1042.0	1069.0	1105.0	1123.0	1147.4	1196.3	1232.9	1236.9
157.5°	1039.7	1052.0	1064.3	1067.3	1085.8	1110.6	1123.0	1142.0	1180.0	1208.5	1211.3
160°	1057.4	1066.9	1076.4	1078.8	1093.5	1113.2	1123.0	1139.3	1171.9	1196.3	1198.0
162.5°	1074.9	1082.1	1089.2	1091.0	1101.6	1115.8	1123.0	1136.7	1164.2	1184.8	1186.4
165°	1094.0	1100.4	1106.8	1108.5	1113.3	1119.8	1123.0	1132.8	1152.5	1167.3	1169.0
167.5°	1111.5	1114.5	1117.7	1118.4	1122.4	1127.8	1130.6	1137.0	1150.0	1159.6	1160.2
170°	1123.0	1126.0	1129.1	1129.9	1130.1	1130.4	1130.6	1137.0	1150.0	1159.6	1159.6
172.5°	1129.1	1129.8	1130.4	1130.6	1130.6	1130.6	1130.6	1135.7	1145.9	1153.5	1153.0
175°	1137.5	1137.5	1137.5	1137.5	1135.2	1132.2	1130.6	1133.8	1140.2	1145.1	1145.1
177.5°	1137.5	1137.5	1137.5	1137.5	1135.7	1133.4	1132.2	1134.7	1139.8	1143.6	1143.0
180°	1137.5	1137.5	1137.5	1137.5	1137.5	1137.5	1137.5	1137.5	1137.5	1137.5	1137.5



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9
2.5°	1989.5	1984.0	1989.5	1985.8	1987.6	1982.1	1965.6	1960.1	1965.6	1971.1	1971.1
5°	2013.3	2009.7	2013.3	2013.3	2011.5	2007.8	1989.5	1985.8	1989.5	1991.3	1987.6
7.5°	2020.7	2015.2	2020.7	2017.0	2017.0	2013.3	1995.0	1991.3	1993.1	1998.6	1993.1
10°	2020.7	2015.2	2020.7	2018.8	2017.0	2013.3	1995.0	1987.6	1987.6	1993.1	1987.6
12.5°	2011.5	2007.8	2011.5	2007.8	2007.8	2004.2	1985.8	1978.5	1980.3	1982.1	1974.8
15°	1996.8	1991.3	1996.8	1993.1	1995.0	1989.5	1969.3	1961.9	1961.9	1965.6	1952.8
17.5°	1974.8	1967.4	1974.8	1973.0	1971.1	1967.4	1949.1	1941.8	1939.9	1941.8	1932.6
20°	1949.1	1943.6	1949.1	1947.3	1947.3	1939.9	1921.6	1912.4	1912.4	1912.4	1903.2
22.5°	1908.7	1903.2	1908.7	1912.4	1912.4	1910.5	1894.0	1881.2	1877.5	1877.5	1866.5
25°	1862.8	1857.3	1862.8	1862.8	1861.0	1862.8	1857.3	1850.0	1844.5	1839.0	1828.0
27.5°	1818.8	1815.1	1818.8	1815.1	1818.8	1813.3	1811.4	1809.6	1802.3	1796.8	1782.1
30°	1774.7	1771.1	1774.7	1771.1	1767.4	1763.7	1754.5	1750.9	1758.2	1754.5	1730.7
32.5°	1719.7	1716.0	1719.7	1719.7	1716.0	1716.0	1701.3	1695.8	1697.6	1708.7	1686.6
35°	1662.8	1657.3	1662.8	1660.9	1662.8	1657.3	1648.1	1646.3	1638.9	1651.8	1635.2
37.5°	1596.7	1591.2	1596.7	1596.7	1596.7	1600.4	1593.0	1587.5	1576.5	1593.0	1580.2
40°	1528.8	1521.4	1528.8	1527.0	1528.8	1532.5	1528.8	1525.1	1514.1	1527.0	1515.9
42.5°	1451.7	1449.9	1451.7	1453.5	1453.5	1460.9	1466.4	1459.0	1455.4	1446.2	1453.5
45°	1369.1	1365.4	1369.1	1372.8	1374.6	1378.3	1394.8	1394.8	1389.3	1374.6	1385.6
47.5°	1281.0	1271.8	1281.0	1292.0	1292.0	1297.5	1314.0	1326.9	1317.7	1299.4	1304.9
50°	1187.4	1189.2	1187.4	1194.7	1194.7	1214.9	1227.8	1240.6	1249.8	1227.8	1202.1
52.5°	1095.6	1093.9	1095.6	1101.1	1108.5	1117.7	1139.7	1152.5	1167.2	1154.4	1114.0
55°	1004.0	1007.6	1004.0	1005.8	1009.5	1015.0	1048.0	1060.9	1088.4	1071.9	1029.7
57.5°	912.2	906.7	912.2	915.9	917.7	923.2	950.7	974.6	991.1	992.9	941.6
60°	805.7	798.4	805.7	822.3	825.9	829.6	855.3	877.3	892.0	897.5	844.3
62.5°	712.1	699.3	712.1	723.1	730.5	739.7	758.0	791.1	803.9	805.7	730.5
65°	613.0	607.5	613.0	635.0	636.9	647.9	668.1	691.9	719.5	715.8	607.5
67.5°	523.1	523.1	523.1	537.8	548.8	554.3	580.0	591.0	625.9	629.5	506.6
70°	440.5	438.7	440.5	451.5	458.8	471.7	495.6	508.4	535.9	545.1	411.1
72.5°	361.6	359.7	361.6	370.7	378.1	389.1	409.3	424.0	447.8	458.8	319.4
75°	291.8	288.2	291.8	299.2	297.3	312.0	328.5	343.2	365.2	372.6	236.8
77.5°	223.9	223.9	223.9	231.3	231.3	245.9	253.3	271.6	284.5	295.5	174.4
80°	167.0	165.2	167.0	168.9	168.9	176.2	189.0	201.9	212.9	212.9	119.3
82.5°	117.5	113.8	117.5	117.5	117.5	121.1	128.5	132.1	139.5	145.0	75.3
85°	73.4	73.4	73.4	75.3	73.4	77.1	78.9	82.6	82.6	78.9	45.9
87.5°	47.7	45.9	47.7	45.9	45.9	44.0	44.0	44.0	42.2	40.4	25.7
90°	29.0	29.0	29.0	29.0	29.0	38.6	51.6	58.0	49.8	33.6	21.4
92.5°	116.3	93.1	116.3	139.3	145.1	205.7	286.3	326.7	286.9	207.1	147.4
95°	405.1	335.1	405.1	475.0	492.4	646.6	852.3	955.0	806.6	509.7	287.1
97.5°	970.5	837.5	970.5	1103.5	1136.7	1234.2	1364.2	1429.1	1181.6	686.6	315.3
100°	1398.3	1239.8	1398.3	1556.7	1596.3	1589.2	1579.7	1574.9	1300.3	750.9	339.0
102.5°	1819.1	1683.3	1819.1	1954.8	1988.7	1864.6	1698.9	1616.2	1337.5	780.4	362.6
105°	2355.5	2282.6	2355.5	2428.5	2446.8	2168.3	1797.1	1611.6	1341.9	802.3	397.7
107.5°	2707.0	2724.6	2707.0	2689.3	2684.9	2296.6	1778.9	1520.0	1282.1	806.5	449.7
110°	2841.0	2917.0	2841.0	2765.0	2746.0	2311.9	1733.1	1443.6	1229.2	800.3	478.7



TEST NUMBER: P935168

CATALOG NUMBER: SQ4-FA-100U-075D-93050-1D-UNV-STD-W-8-5000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2852.9	2969.7	2852.9	2736.3	2707.1	2262.8	1670.4	1374.2	1183.0	800.6	513.8
115°	2777.3	2939.2	2777.3	2615.5	2575.1	2147.0	1576.3	1290.9	1130.0	807.9	566.5
117.5°	2616.9	2796.4	2616.9	2437.4	2392.5	2006.3	1491.2	1233.7	1096.7	823.0	617.6
120°	2487.7	2662.0	2487.7	2313.2	2269.6	1916.7	1446.1	1210.8	1085.6	835.2	647.3
122.5°	2361.8	2533.8	2361.8	2189.8	2146.8	1828.9	1405.1	1193.2	1079.7	852.7	682.5
125°	2182.2	2340.7	2182.2	2023.8	1984.1	1714.2	1354.2	1174.1	1074.9	876.4	727.5
127.5°	2020.7	2154.4	2020.7	1887.0	1853.6	1621.8	1312.7	1158.1	1072.1	900.1	771.0
130°	1925.5	2049.0	1925.5	1802.0	1771.2	1564.8	1289.5	1152.0	1073.8	917.3	800.0
132.5°	1839.2	1949.7	1839.2	1728.5	1700.9	1516.1	1269.8	1146.7	1074.9	931.4	823.7
135°	1720.9	1816.2	1720.9	1625.5	1601.7	1446.9	1240.6	1137.5	1073.9	946.7	851.3
137.5°	1625.9	1704.0	1625.9	1547.9	1528.3	1397.6	1223.1	1135.9	1080.5	969.5	886.3
140°	1560.7	1633.7	1560.7	1487.9	1469.6	1356.6	1205.9	1130.6	1081.6	983.5	910.0
142.5°	1506.9	1569.6	1506.9	1444.1	1428.4	1329.1	1196.8	1130.6	1085.4	995.2	927.5
145°	1425.9	1473.4	1425.9	1378.4	1366.5	1285.3	1177.1	1123.0	1085.5	1010.6	954.3
147.5°	1363.8	1403.2	1363.8	1324.4	1314.6	1250.7	1165.6	1123.0	1093.0	1033.0	987.9
150°	1324.7	1356.6	1324.7	1292.8	1284.9	1230.9	1159.0	1123.0	1096.8	1044.6	1005.4
152.5°	1291.3	1315.3	1291.3	1267.2	1261.2	1215.1	1153.7	1123.0	1099.4	1052.2	1016.9
155°	1252.8	1268.8	1252.8	1236.9	1232.9	1196.3	1147.4	1123.0	1105.0	1069.0	1042.0
157.5°	1222.5	1233.7	1222.5	1211.3	1208.5	1180.0	1142.0	1123.0	1110.6	1085.8	1067.3
160°	1204.4	1210.8	1204.4	1198.0	1196.3	1171.9	1139.3	1123.0	1113.2	1093.5	1078.8
162.5°	1192.5	1198.6	1192.5	1186.4	1184.8	1164.2	1136.7	1123.0	1115.8	1101.6	1091.0
165°	1175.4	1181.8	1175.4	1169.0	1167.3	1152.5	1132.8	1123.0	1119.8	1113.3	1108.5
167.5°	1163.0	1165.7	1163.0	1160.2	1159.6	1150.0	1137.0	1130.6	1127.8	1122.4	1118.4
170°	1159.6	1159.6	1159.6	1159.6	1159.6	1150.0	1137.0	1130.6	1130.4	1130.1	1129.9
172.5°	1150.6	1148.2	1150.6	1153.0	1153.5	1145.9	1135.7	1130.6	1130.6	1130.6	1130.6
175°	1145.1	1145.1	1145.1	1145.1	1145.1	1140.2	1133.8	1130.6	1132.2	1135.2	1137.5
177.5°	1140.2	1137.5	1140.2	1143.0	1143.6	1139.8	1134.7	1132.2	1133.4	1135.7	1137.5
180°	1137.5	1137.5	1137.5	1137.5	1137.5	1137.5	1137.5	1137.5	1137.5	1137.5	1137.5



TEST NUMBER: P935168

CATALOG NUMBER: SQ4-FA-100U-075D-93050-1D-UNV-STD-W-8-5000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9
2.5°	1967.4	1956.4	1956.4	1938.1	1930.7	1925.2	1916.1	1888.5	1881.2	1873.8	1884.9
5°	1984.0	1963.8	1949.1	1916.1	1888.5	1877.5	1842.6	1776.6	1732.5	1699.5	1681.1
7.5°	1987.6	1961.9	1934.4	1883.0	1816.9	1787.6	1681.1	1560.0	1527.0	1497.6	1479.2
10°	1984.0	1954.6	1916.1	1839.0	1683.0	1631.6	1525.1	1446.2	1426.0	1420.5	1426.0
12.5°	1971.1	1943.6	1890.4	1761.9	1543.5	1508.6	1446.2	1400.3	1396.6	1405.8	1455.4
15°	1949.1	1923.4	1861.0	1659.1	1466.4	1440.7	1396.6	1380.1	1400.3	1464.5	1613.2
17.5°	1927.1	1897.7	1820.6	1558.2	1407.7	1389.3	1358.1	1391.1	1504.9	1591.2	1640.7
20°	1897.7	1862.8	1774.7	1484.7	1365.4	1348.9	1334.2	1482.9	1569.2	1600.4	1627.9
22.5°	1862.8	1826.1	1712.3	1433.3	1321.4	1308.5	1317.7	1534.3	1569.2	1591.2	1615.1
25°	1816.9	1785.7	1638.9	1393.0	1286.5	1271.8	1306.7	1528.8	1549.0	1554.5	1602.2
27.5°	1774.7	1734.4	1561.8	1356.3	1244.3	1238.8	1315.9	1504.9	1519.6	1525.1	1576.5
30°	1723.3	1662.8	1475.6	1317.7	1200.3	1198.4	1317.7	1475.6	1471.9	1486.6	1538.0
32.5°	1670.1	1556.3	1378.3	1270.0	1158.0	1156.2	1304.9	1431.5	1427.8	1448.0	1486.6
35°	1620.6	1473.7	1246.1	1214.9	1104.8	1106.6	1273.7	1380.1	1382.0	1400.3	1424.2
37.5°	1569.2	1402.1	1101.1	1154.4	1053.5	1053.5	1231.5	1332.4	1328.7	1334.2	1367.3
40°	1508.6	1290.2	972.8	1075.5	1005.8	1000.3	1180.1	1281.0	1268.2	1266.3	1312.2
42.5°	1444.4	1167.2	877.3	970.9	950.7	943.4	1117.7	1218.6	1194.7	1200.3	1259.0
45°	1374.6	1134.2	803.9	820.4	893.8	888.3	1049.8	1147.0	1130.5	1145.2	1205.8
47.5°	1304.9	1068.2	780.0	680.9	833.3	831.4	974.6	1077.4	1068.2	1082.9	1147.0
50°	1209.4	994.8	778.2	583.7	765.4	772.7	884.7	1009.5	1009.5	1022.3	1090.2
52.5°	1086.6	904.8	706.6	528.6	686.4	708.5	805.7	950.7	954.4	967.3	1027.8
55°	974.6	811.2	655.2	486.4	592.8	640.6	728.6	890.2	897.5	910.4	965.4
57.5°	871.8	675.4	644.2	436.8	506.6	552.5	660.7	831.4	835.1	846.1	899.3
60°	761.7	488.2	591.0	383.6	431.3	466.2	598.3	761.7	774.5	781.9	827.8
62.5°	636.9	354.2	535.9	346.9	394.6	402.0	546.9	695.6	712.1	717.6	745.2
65°	453.3	297.3	455.2	315.7	356.1	357.9	491.9	627.7	642.4	651.6	671.8
67.5°	306.5	242.3	346.9	286.3	326.7	328.5	438.7	548.8	569.0	576.3	589.2
70°	212.9	161.5	257.0	255.1	293.7	297.3	381.8	477.2	495.6	501.1	508.4
72.5°	156.0	130.3	212.9	229.4	258.8	262.5	323.0	396.4	414.8	420.3	424.0
75°	119.3	137.7	172.5	200.1	220.2	222.1	264.3	323.0	335.9	339.5	341.4
77.5°	95.4	128.5	126.6	161.5	179.9	176.2	207.4	249.6	260.6	260.6	260.6
80°	71.6	100.9	95.4	115.6	132.1	128.5	148.7	178.0	181.7	185.4	183.5
82.5°	53.2	64.2	64.2	73.4	88.1	84.4	99.1	115.6	115.6	115.6	119.3
85°	33.0	36.7	29.4	38.5	49.6	47.7	55.1	62.4	64.2	64.2	60.6
87.5°	20.2	16.5	9.2	14.7	22.0	22.0	25.7	27.5	25.7	25.7	25.7
90°	19.8	13.8	7.6	13.8	19.8	21.4	33.6	49.8	58.0	51.6	38.6
92.5°	134.4	82.5	30.6	82.5	134.4	147.4	207.1	286.9	326.7	286.3	205.7
95°	263.3	168.3	73.3	168.3	263.3	287.1	509.7	806.6	955.0	852.3	646.6
97.5°	294.4	210.5	126.7	210.5	294.4	315.3	686.6	1181.6	1429.1	1364.2	1234.2
100°	320.0	243.9	167.9	243.9	320.0	339.0	750.9	1300.3	1574.9	1579.7	1589.2
102.5°	344.9	273.9	203.1	273.9	344.9	362.6	780.4	1337.5	1616.2	1698.9	1864.6
105°	382.7	322.7	262.6	322.7	382.7	397.7	802.3	1341.9	1611.6	1797.1	2168.3
107.5°	435.6	379.7	323.7	379.7	435.6	449.7	806.5	1282.1	1520.0	1778.9	2296.6
110°	466.0	415.4	364.9	415.4	466.0	478.7	800.3	1229.2	1443.6	1733.1	2311.9



TEST NUMBER: P935168

CATALOG NUMBER: SQ4-FA-100U-075D-93050-1D-UNV-STD-W-8-5000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	501.8	453.5	405.3	453.5	501.8	513.8	800.6	1183.0	1374.2	1670.4	2262.8
115°	555.4	510.9	466.5	510.9	555.4	566.5	807.9	1130.0	1290.9	1576.3	2147.0
117.5°	607.5	567.1	526.8	567.1	607.5	617.6	823.0	1096.7	1233.7	1491.2	2006.3
120°	637.9	599.9	561.9	599.9	637.9	647.3	835.2	1085.6	1210.8	1446.1	1916.7
122.5°	672.9	634.6	596.2	634.6	672.9	682.5	852.7	1079.7	1193.2	1405.1	1828.9
125°	718.8	683.9	648.9	683.9	718.8	727.5	876.4	1074.9	1174.1	1354.2	1714.2
127.5°	762.2	726.9	691.7	726.9	762.2	771.0	900.1	1072.1	1158.1	1312.7	1621.8
130°	790.5	752.5	714.5	752.5	790.5	800.0	917.3	1073.8	1152.0	1289.5	1564.8
132.5°	814.2	776.2	738.2	776.2	814.2	823.7	931.4	1074.9	1146.7	1269.8	1516.1
135°	842.6	807.9	773.3	807.9	842.6	851.3	946.7	1073.9	1137.5	1240.6	1446.9
137.5°	877.8	843.5	809.2	843.5	877.8	886.3	969.5	1080.5	1135.9	1223.1	1397.6
140°	902.1	870.5	839.0	870.5	902.1	910.0	983.5	1081.6	1130.6	1205.9	1356.6
142.5°	920.3	891.1	861.9	891.1	920.3	927.5	995.2	1085.4	1130.6	1196.8	1329.1
145°	948.0	922.5	897.0	922.5	948.0	954.3	1010.6	1085.5	1123.0	1177.1	1285.3
147.5°	981.7	956.9	932.1	956.9	981.7	987.9	1033.0	1093.0	1123.0	1165.6	1250.7
150°	999.8	977.4	955.0	977.4	999.8	1005.4	1044.6	1096.8	1123.0	1159.0	1230.9
152.5°	1012.7	995.7	978.7	995.7	1012.7	1016.9	1052.2	1099.4	1123.0	1153.7	1215.1
155°	1038.9	1026.4	1013.8	1026.4	1038.9	1042.0	1069.0	1105.0	1123.0	1147.4	1196.3
157.5°	1064.3	1052.0	1039.7	1052.0	1064.3	1067.3	1085.8	1110.6	1123.0	1142.0	1180.0
160°	1076.4	1066.9	1057.4	1066.9	1076.4	1078.8	1093.5	1113.2	1123.0	1139.3	1171.9
162.5°	1089.2	1082.1	1074.9	1082.1	1089.2	1091.0	1101.6	1115.8	1123.0	1136.7	1164.2
165°	1106.8	1100.4	1094.0	1100.4	1106.8	1108.5	1113.3	1119.8	1123.0	1132.8	1152.5
167.5°	1117.7	1114.5	1111.5	1114.5	1117.7	1118.4	1122.4	1127.8	1130.6	1137.0	1150.0
170°	1129.1	1126.0	1123.0	1126.0	1129.1	1129.9	1130.1	1130.4	1130.6	1137.0	1150.0
172.5°	1130.4	1129.8	1129.1	1129.8	1130.4	1130.6	1130.6	1130.6	1130.6	1135.7	1145.9
175°	1137.5	1137.5	1137.5	1137.5	1137.5	1137.5	1135.2	1132.2	1130.6	1133.8	1140.2
177.5°	1137.5	1137.5	1137.5	1137.5	1137.5	1137.5	1135.7	1133.4	1132.2	1134.7	1139.8
180°	1137.5	1137.5	1137.5	1137.5	1137.5	1137.5	1137.5	1137.5	1137.5	1137.5	1137.5



TEST NUMBER: P935168

CATALOG NUMBER: SQ4-FA-100U-075D-93050-1D-UNV-STD-W-8-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9
2.5°	1872.0	1866.5	1873.8	1853.7	1873.8	1866.5	1872.0	1884.9	1873.8	1881.2	1888.5
5°	1642.6	1633.4	1604.0	1580.2	1604.0	1633.4	1642.6	1681.1	1699.5	1732.5	1776.6
7.5°	1468.2	1460.9	1453.5	1438.9	1453.5	1460.9	1468.2	1479.2	1497.6	1527.0	1560.0
10°	1429.7	1431.5	1442.5	1440.7	1442.5	1431.5	1429.7	1426.0	1420.5	1426.0	1446.2
12.5°	1528.8	1545.3	1605.9	1602.2	1605.9	1545.3	1528.8	1455.4	1405.8	1396.6	1400.3
15°	1642.6	1648.1	1660.9	1662.8	1660.9	1648.1	1642.6	1613.2	1464.5	1400.3	1380.1
17.5°	1653.6	1655.4	1664.6	1664.6	1664.6	1655.4	1653.6	1640.7	1591.2	1504.9	1391.1
20°	1644.4	1648.1	1666.4	1670.1	1666.4	1648.1	1644.4	1627.9	1600.4	1569.2	1482.9
22.5°	1640.7	1648.1	1662.8	1660.9	1662.8	1648.1	1640.7	1615.1	1591.2	1569.2	1534.3
25°	1622.4	1622.4	1624.2	1626.1	1624.2	1622.4	1622.4	1602.2	1554.5	1549.0	1528.8
27.5°	1583.8	1587.5	1598.5	1596.7	1598.5	1587.5	1583.8	1576.5	1525.1	1519.6	1504.9
30°	1549.0	1545.3	1536.1	1528.8	1536.1	1545.3	1549.0	1538.0	1486.6	1471.9	1475.6
32.5°	1490.2	1481.1	1471.9	1466.4	1471.9	1481.1	1490.2	1486.6	1448.0	1427.8	1431.5
35°	1420.5	1422.3	1420.5	1415.0	1420.5	1422.3	1420.5	1424.2	1400.3	1382.0	1380.1
37.5°	1370.9	1374.6	1372.8	1365.4	1372.8	1374.6	1370.9	1367.3	1334.2	1328.7	1332.4
40°	1319.6	1321.4	1319.6	1314.0	1319.6	1321.4	1319.6	1312.2	1266.3	1268.2	1281.0
42.5°	1270.0	1268.2	1262.7	1259.0	1262.7	1268.2	1270.0	1259.0	1200.3	1194.7	1218.6
45°	1213.1	1214.9	1203.9	1198.4	1203.9	1214.9	1213.1	1205.8	1145.2	1130.5	1147.0
47.5°	1156.2	1156.2	1147.0	1141.5	1147.0	1156.2	1156.2	1147.0	1082.9	1068.2	1077.4
50°	1095.6	1093.9	1081.0	1079.2	1081.0	1093.9	1095.6	1090.2	1022.3	1009.5	1009.5
52.5°	1026.0	1026.0	1027.8	1031.5	1027.8	1026.0	1026.0	1027.8	967.3	954.4	950.7
55°	965.4	967.3	980.1	983.8	980.1	967.3	965.4	965.4	910.4	897.5	890.2
57.5°	903.0	903.0	912.2	912.2	912.2	903.0	903.0	899.3	846.1	835.1	831.4
60°	831.4	835.1	842.4	840.6	842.4	835.1	831.4	827.8	781.9	774.5	761.7
62.5°	756.2	759.9	761.7	758.0	761.7	759.9	756.2	745.2	717.6	712.1	695.6
65°	677.3	680.9	682.8	679.1	682.8	680.9	677.3	671.8	651.6	642.4	627.7
67.5°	596.5	594.7	592.8	600.2	592.8	594.7	596.5	589.2	576.3	569.0	548.8
70°	513.9	513.9	512.1	515.7	512.1	513.9	513.9	508.4	501.1	495.6	477.2
72.5°	425.8	424.0	431.3	425.8	431.3	424.0	425.8	424.0	420.3	414.8	396.4
75°	339.5	343.2	339.5	345.1	339.5	343.2	339.5	341.4	339.5	335.9	323.0
77.5°	258.8	262.5	258.8	258.8	258.8	262.5	258.8	260.6	260.6	260.6	249.6
80°	183.5	181.7	181.7	179.9	181.7	181.7	183.5	183.5	185.4	181.7	178.0
82.5°	117.5	115.6	115.6	119.3	115.6	115.6	117.5	119.3	115.6	115.6	115.6
85°	64.2	66.1	62.4	62.4	62.4	66.1	64.2	60.6	64.2	64.2	62.4
87.5°	23.9	22.0	22.0	22.0	22.0	22.0	23.9	25.7	25.7	25.7	27.5
90°	29.0	29.0	29.0	29.0	29.0	29.0	29.0	38.6	51.6	58.0	49.8
92.5°	145.1	139.3	116.3	93.1	116.3	139.3	145.1	205.7	286.3	326.7	286.9
95°	492.4	475.0	405.1	335.1	405.1	475.0	492.4	646.6	852.3	955.0	806.6
97.5°	1136.7	1103.5	970.5	837.5	970.5	1103.5	1136.7	1234.2	1364.2	1429.1	1181.6
100°	1596.3	1556.7	1398.3	1239.8	1398.3	1556.7	1596.3	1589.2	1579.7	1574.9	1300.3
102.5°	1988.7	1954.8	1819.1	1683.3	1819.1	1954.8	1988.7	1864.6	1698.9	1616.2	1337.5
105°	2446.8	2428.5	2355.5	2282.6	2355.5	2428.5	2446.8	2168.3	1797.1	1611.6	1341.9
107.5°	2684.9	2689.3	2707.0	2724.6	2707.0	2689.3	2684.9	2296.6	1778.9	1520.0	1282.1
110°	2746.0	2765.0	2841.0	2917.0	2841.0	2765.0	2746.0	2311.9	1733.1	1443.6	1229.2



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2707.1	2736.3	2852.9	2969.7	2852.9	2736.3	2707.1	2262.8	1670.4	1374.2	1183.0
115°	2575.1	2615.5	2777.3	2939.2	2777.3	2615.5	2575.1	2147.0	1576.3	1290.9	1130.0
117.5°	2392.5	2437.4	2616.9	2796.4	2616.9	2437.4	2392.5	2006.3	1491.2	1233.7	1096.7
120°	2269.6	2313.2	2487.7	2662.0	2487.7	2313.2	2269.6	1916.7	1446.1	1210.8	1085.6
122.5°	2146.8	2189.8	2361.8	2533.8	2361.8	2189.8	2146.8	1828.9	1405.1	1193.2	1079.7
125°	1984.1	2023.8	2182.2	2340.7	2182.2	2023.8	1984.1	1714.2	1354.2	1174.1	1074.9
127.5°	1853.6	1887.0	2020.7	2154.4	2020.7	1887.0	1853.6	1621.8	1312.7	1158.1	1072.1
130°	1771.2	1802.0	1925.5	2049.0	1925.5	1802.0	1771.2	1564.8	1289.5	1152.0	1073.8
132.5°	1700.9	1728.5	1839.2	1949.7	1839.2	1728.5	1700.9	1516.1	1269.8	1146.7	1074.9
135°	1601.7	1625.5	1720.9	1816.2	1720.9	1625.5	1601.7	1446.9	1240.6	1137.5	1073.9
137.5°	1528.3	1547.9	1625.9	1704.0	1625.9	1547.9	1528.3	1397.6	1223.1	1135.9	1080.5
140°	1469.6	1487.9	1560.7	1633.7	1560.7	1487.9	1469.6	1356.6	1205.9	1130.6	1081.6
142.5°	1428.4	1444.1	1506.9	1569.6	1506.9	1444.1	1428.4	1329.1	1196.8	1130.6	1085.4
145°	1366.5	1378.4	1425.9	1473.4	1425.9	1378.4	1366.5	1285.3	1177.1	1123.0	1085.5
147.5°	1314.6	1324.4	1363.8	1403.2	1363.8	1324.4	1314.6	1250.7	1165.6	1123.0	1093.0
150°	1284.9	1292.8	1324.7	1356.6	1324.7	1292.8	1284.9	1230.9	1159.0	1123.0	1096.8
152.5°	1261.2	1267.2	1291.3	1315.3	1291.3	1267.2	1261.2	1215.1	1153.7	1123.0	1099.4
155°	1232.9	1236.9	1252.8	1268.8	1252.8	1236.9	1232.9	1196.3	1147.4	1123.0	1105.0
157.5°	1208.5	1211.3	1222.5	1233.7	1222.5	1211.3	1208.5	1180.0	1142.0	1123.0	1110.6
160°	1196.3	1198.0	1204.4	1210.8	1204.4	1198.0	1196.3	1171.9	1139.3	1123.0	1113.2
162.5°	1184.8	1186.4	1192.5	1198.6	1192.5	1186.4	1184.8	1164.2	1136.7	1123.0	1115.8
165°	1167.3	1169.0	1175.4	1181.8	1175.4	1169.0	1167.3	1152.5	1132.8	1123.0	1119.8
167.5°	1159.6	1160.2	1163.0	1165.7	1163.0	1160.2	1159.6	1150.0	1137.0	1130.6	1127.8
170°	1159.6	1159.6	1159.6	1159.6	1159.6	1159.6	1159.6	1150.0	1137.0	1130.6	1130.4
172.5°	1153.5	1153.0	1150.6	1148.2	1150.6	1153.0	1153.5	1145.9	1135.7	1130.6	1130.6
175°	1145.1	1145.1	1145.1	1145.1	1145.1	1145.1	1145.1	1140.2	1133.8	1130.6	1132.2
177.5°	1143.6	1143.0	1140.2	1137.5	1140.2	1143.0	1143.6	1139.8	1134.7	1132.2	1133.4
180°	1137.5	1137.5	1137.5	1137.5	1137.5	1137.5	1137.5	1137.5	1137.5	1137.5	1137.5



TEST NUMBER: P935168

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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1939.9	1939.9	1939.9	1939.9	1939.9
2.5°	1916.1	1925.2	1930.7	1938.1	1956.4
5°	1842.6	1877.5	1888.5	1916.1	1949.1
7.5°	1681.1	1787.6	1816.9	1883.0	1934.4
10°	1525.1	1631.6	1683.0	1839.0	1916.1
12.5°	1446.2	1508.6	1543.5	1761.9	1890.4
15°	1396.6	1440.7	1466.4	1659.1	1861.0
17.5°	1358.1	1389.3	1407.7	1558.2	1820.6
20°	1334.2	1348.9	1365.4	1484.7	1774.7
22.5°	1317.7	1308.5	1321.4	1433.3	1712.3
25°	1306.7	1271.8	1286.5	1393.0	1638.9
27.5°	1315.9	1238.8	1244.3	1356.3	1561.8
30°	1317.7	1198.4	1200.3	1317.7	1475.6
32.5°	1304.9	1156.2	1158.0	1270.0	1378.3
35°	1273.7	1106.6	1104.8	1214.9	1246.1
37.5°	1231.5	1053.5	1053.5	1154.4	1101.1
40°	1180.1	1000.3	1005.8	1075.5	972.8
42.5°	1117.7	943.4	950.7	970.9	877.3
45°	1049.8	888.3	893.8	820.4	803.9
47.5°	974.6	831.4	833.3	680.9	780.0
50°	884.7	772.7	765.4	583.7	778.2
52.5°	805.7	708.5	686.4	528.6	706.6
55°	728.6	640.6	592.8	486.4	655.2
57.5°	660.7	552.5	506.6	436.8	644.2
60°	598.3	466.2	431.3	383.6	591.0
62.5°	546.9	402.0	394.6	346.9	535.9
65°	491.9	357.9	356.1	315.7	455.2
67.5°	438.7	328.5	326.7	286.3	346.9
70°	381.8	297.3	293.7	255.1	257.0
72.5°	323.0	262.5	258.8	229.4	212.9
75°	264.3	222.1	220.2	200.1	172.5
77.5°	207.4	176.2	179.9	161.5	126.6
80°	148.7	128.5	132.1	115.6	95.4
82.5°	99.1	84.4	88.1	73.4	64.2
85°	55.1	47.7	49.6	38.5	29.4
87.5°	25.7	22.0	22.0	14.7	9.2
90°	33.6	21.4	19.8	13.8	7.6
92.5°	207.1	147.4	134.4	82.5	30.6
95°	509.7	287.1	263.3	168.3	73.3
97.5°	686.6	315.3	294.4	210.5	126.7
100°	750.9	339.0	320.0	243.9	167.9
102.5°	780.4	362.6	344.9	273.9	203.1
105°	802.3	397.7	382.7	322.7	262.6
107.5°	806.5	449.7	435.6	379.7	323.7
110°	800.3	478.7	466.0	415.4	364.9



TEST NUMBER: P935168

CATALOG NUMBER: SQ4-FA-100U-075D-93050-1D-UNV-STD-W-8-5000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	800.6	513.8	501.8	453.5	405.3
115°	807.9	566.5	555.4	510.9	466.5
117.5°	823.0	617.6	607.5	567.1	526.8
120°	835.2	647.3	637.9	599.9	561.9
122.5°	852.7	682.5	672.9	634.6	596.2
125°	876.4	727.5	718.8	683.9	648.9
127.5°	900.1	771.0	762.2	726.9	691.7
130°	917.3	800.0	790.5	752.5	714.5
132.5°	931.4	823.7	814.2	776.2	738.2
135°	946.7	851.3	842.6	807.9	773.3
137.5°	969.5	886.3	877.8	843.5	809.2
140°	983.5	910.0	902.1	870.5	839.0
142.5°	995.2	927.5	920.3	891.1	861.9
145°	1010.6	954.3	948.0	922.5	897.0
147.5°	1033.0	987.9	981.7	956.9	932.1
150°	1044.6	1005.4	999.8	977.4	955.0
152.5°	1052.2	1016.9	1012.7	995.7	978.7
155°	1069.0	1042.0	1038.9	1026.4	1013.8
157.5°	1085.8	1067.3	1064.3	1052.0	1039.7
160°	1093.5	1078.8	1076.4	1066.9	1057.4
162.5°	1101.6	1091.0	1089.2	1082.1	1074.9
165°	1113.3	1108.5	1106.8	1100.4	1094.0
167.5°	1122.4	1118.4	1117.7	1114.5	1111.5
170°	1130.1	1129.9	1129.1	1126.0	1123.0
172.5°	1130.6	1130.6	1130.4	1129.8	1129.1
175°	1135.2	1137.5	1137.5	1137.5	1137.5
177.5°	1135.7	1137.5	1137.5	1137.5	1137.5
180°	1137.5	1137.5	1137.5	1137.5	1137.5



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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	11.50	12.29	12.54	13.33	14.73	14.34	15.12	15.37	16.16	17.56
	3H	11.97	12.67	13.02	13.72	15.14	15.68	16.38	16.73	17.43	18.85
	4H	12.16	12.82	13.22	13.88	15.30	16.12	16.79	17.18	17.84	19.27
	6H	12.28	12.89	13.34	13.94	15.38	16.41	17.02	17.47	18.07	19.51
	8H	12.27	12.86	13.34	13.93	15.36	16.48	17.06	17.55	18.13	19.57
	12H	12.24	12.80	13.32	13.86	15.32	16.52	17.07	17.59	18.14	19.59
4H	2H	12.53	13.19	13.59	14.24	15.67	14.74	15.40	15.80	16.46	17.88
	3H	13.55	14.10	14.62	15.18	16.62	16.24	16.79	17.31	17.87	19.31
	4H	13.82	14.33	14.90	15.40	16.86	16.77	17.27	17.84	18.34	19.80
	6H	13.94	14.38	15.03	15.47	16.92	17.13	17.56	18.21	18.66	20.11
	8H	13.94	14.35	15.03	15.44	16.91	17.24	17.64	18.32	18.73	20.20
	12H	13.91	14.27	15.01	15.37	16.85	17.29	17.66	18.39	18.76	20.23
8H	4H	14.27	14.67	15.35	15.76	17.23	16.88	17.29	17.97	18.38	19.85
	6H	14.53	14.86	15.63	15.99	17.46	17.32	17.66	18.43	18.78	20.25
	8H	14.57	14.86	15.68	15.97	17.46	17.47	17.77	18.59	18.88	20.36
	12H	14.55	14.81	15.67	15.91	17.44	17.57	17.83	18.69	18.93	20.46
12H	4H	14.27	14.64	15.37	15.74	17.21	16.84	17.21	17.95	18.31	19.79
	6H	14.59	14.88	15.70	15.99	17.48	17.32	17.61	18.43	18.72	20.21
	8H	14.65	14.91	15.77	16.01	17.54	17.47	17.73	18.59	18.84	20.37