

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: P935192

Luminaire Tested: SQ4-FA-100U-075D-B2750-1D-UNV-STD-W-8-2700K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935192
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-B2750-1D-UNV-STD-W-8-2700K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

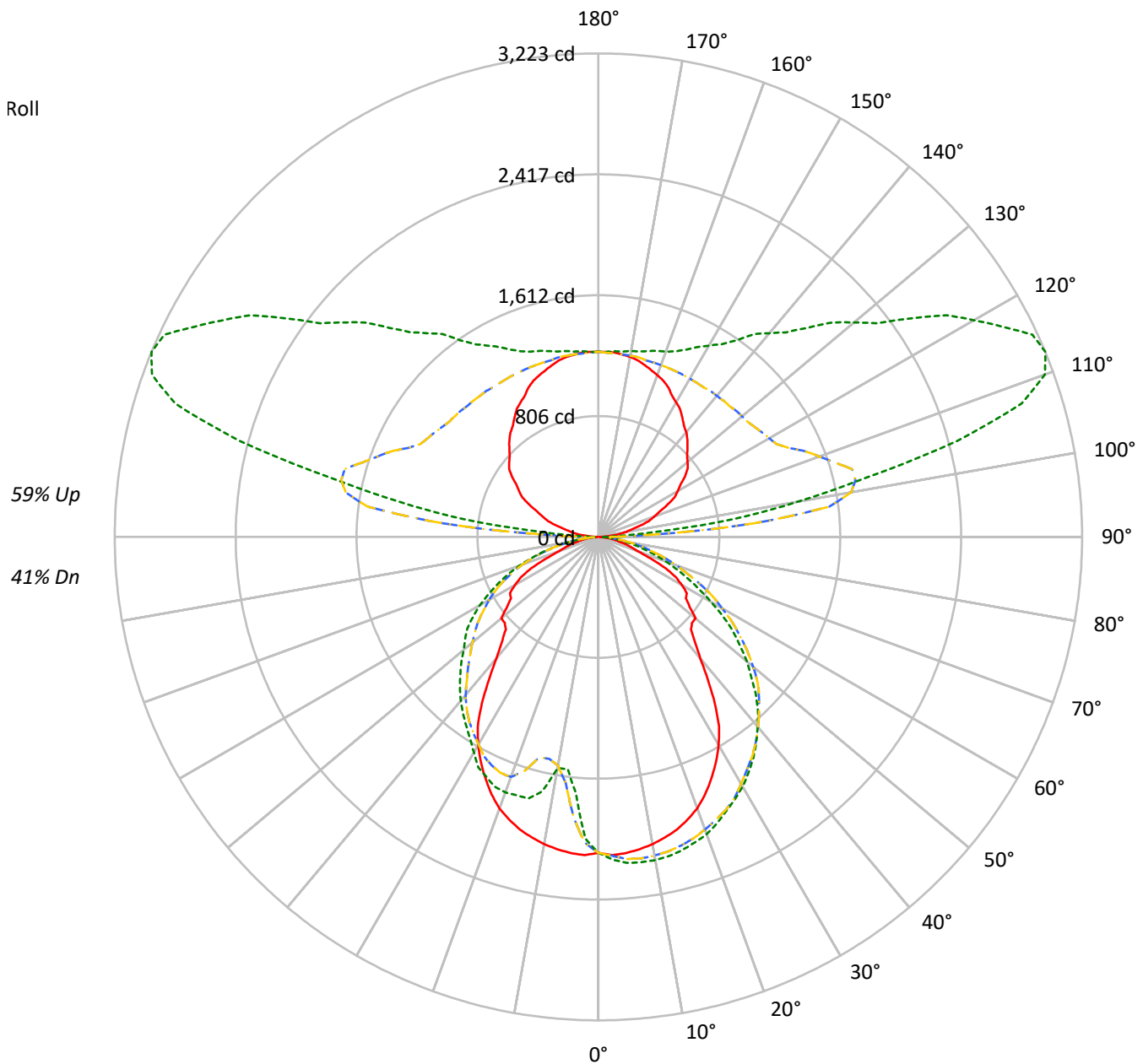
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13467.0 lumens
Efficiency: N/A
Efficacy: 136.9 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°	9768	9768	9768	9768
5°	9841	9861	9841	7753
10°	9775	9713	9775	6944
15°	9669	9503	9669	7935
20°	9467	9254	9467	7952
25°	9053	8890	9053	7783
30°	8518	8588	8518	7413
35°	7594	8206	7594	7006
40°	6328	7757	6328	6699
45°	5654	7230	5654	6346
50°	6007	6603	6007	5992
55°	5651	5927	5651	5787
60°	5826	5034	5826	5300
65°	5282	4162	5282	4651
70°	3658	3316	3658	3899
75°	3206	2451	3206	2936
80°	2585	1621	2585	1765
85°	1486	859	1486	729

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 8665 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	190.1	1.4
10°-20°	539.6	4.0
20°-30°	834.1	6.2
30°-40°	995.8	7.4
40°-50°	1001.6	7.4
50°-60°	871.6	6.5
60°-70°	618.0	4.6
70°-80°	326.9	2.4
80°-90°	86.1	0.6
90°-100°	601.8	4.5
100°-110°	1582.1	11.7
110°-120°	1640.5	12.2
120°-130°	1315.9	9.8
130°-140°	1032.5	7.7
140°-150°	792.5	5.9
150°-160°	570.7	4.2
160°-170°	349.2	2.6
170°-180°	118.0	0.9
0°-30°	1563.8	11.6
0°-40°	2559.6	19.0
0°-60°	4432.8	32.9
0°-90°	5463.8	40.6
90°-120°	3824.4	28.4
90°-150°	6965.3	51.7
90°-180°	8003.0	59.4
0°-180°	13467.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2105	2105	2105	2105	2105	
5°	2115	2181	2115	1715	2115	201
15°	2020	2161	2020	1805	2020	568
25°	1779	2016	1779	1765	1779	817
35°	1352	1799	1352	1536	1352	837
45°	872	1482	872	1301	872	699
55°	711	1094	711	1068	711	653
65°	494	659	494	737	494	472
75°	187	313	187	374	187	197
85°	32	80	32	68	32	43
90°	8	32	8	32	8	8
95°	80	364	80	364	80	88
105°	285	2477	285	2477	285	302
115°	506	3190	506	3190	506	500
125°	704	2540	704	2540	704	625
135°	839	1971	839	1971	839	649
145°	974	1599	974	1599	974	610
155°	1100	1377	1100	1377	1100	506
165°	1187	1283	1187	1283	1187	335
175°	1234	1243	1234	1243	1234	117
180°	1234	1234	1234	1234	1234	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2105.4	2105.4	2105.4	2105.4	2105.4	2105.4	2105.4	2105.4	2105.4	2105.4	2105.4
2.5°	2123.4	2123.4	2135.3	2139.3	2139.3	2133.3	2127.4	2133.3	2151.3	2157.2	2155.2
5°	2115.4	2131.3	2153.3	2157.2	2161.2	2159.2	2155.2	2159.2	2179.1	2183.1	2185.1
7.5°	2099.5	2129.3	2157.2	2163.2	2169.2	2163.2	2161.2	2165.2	2185.1	2189.1	2189.1
10°	2079.5	2121.4	2153.3	2157.2	2163.2	2157.2	2157.2	2165.2	2185.1	2189.1	2191.1
12.5°	2051.7	2109.4	2139.3	2143.3	2151.3	2149.3	2147.3	2155.2	2175.2	2179.1	2179.1
15°	2019.8	2087.5	2115.4	2119.4	2133.3	2129.3	2129.3	2137.3	2159.2	2165.2	2163.2
17.5°	1976.0	2059.6	2091.5	2097.5	2107.4	2105.4	2107.4	2115.4	2135.3	2139.3	2141.3
20°	1926.2	2021.8	2059.6	2065.6	2075.6	2075.6	2075.6	2085.5	2105.4	2113.4	2113.4
22.5°	1858.4	1981.9	2021.8	2025.8	2037.7	2037.7	2041.7	2055.6	2073.6	2075.6	2075.6
25°	1778.8	1938.1	1972.0	1983.9	1995.9	2001.9	2007.8	2015.8	2021.8	2019.8	2021.8
27.5°	1695.1	1882.3	1926.2	1934.1	1950.1	1956.0	1964.0	1966.0	1968.0	1974.0	1970.0
30°	1601.5	1804.7	1870.4	1878.4	1904.3	1908.2	1900.3	1904.3	1914.2	1918.2	1922.2
32.5°	1495.9	1689.1	1812.6	1830.5	1854.5	1842.5	1840.5	1846.5	1862.4	1862.4	1866.4
35°	1352.5	1599.5	1758.8	1774.8	1792.7	1778.8	1786.7	1788.7	1798.7	1804.7	1802.7
37.5°	1195.1	1521.8	1703.1	1715.0	1729.0	1711.0	1723.0	1729.0	1736.9	1732.9	1732.9
40°	1055.8	1400.3	1637.3	1645.3	1657.2	1643.3	1655.3	1659.2	1663.2	1659.2	1657.2
42.5°	952.2	1266.8	1567.6	1577.6	1569.6	1579.6	1583.5	1591.5	1585.5	1577.6	1577.6
45°	872.5	1231.0	1491.9	1503.9	1491.9	1507.8	1513.8	1513.8	1495.9	1491.9	1489.9
47.5°	846.6	1159.3	1416.2	1416.2	1410.2	1430.2	1440.1	1426.2	1408.2	1402.3	1402.3
50°	844.6	1079.7	1312.6	1304.7	1332.5	1356.5	1346.5	1332.5	1318.6	1296.7	1296.7
52.5°	766.9	982.1	1179.3	1209.0	1252.9	1266.8	1250.9	1236.9	1213.0	1203.1	1195.1
55°	711.1	880.5	1057.8	1117.5	1163.3	1181.3	1151.4	1137.4	1101.6	1095.6	1091.6
57.5°	699.2	733.1	946.2	1021.9	1077.7	1075.7	1057.8	1031.9	1002.0	996.0	994.0
60°	641.4	529.9	826.7	916.3	974.1	968.1	952.2	928.3	900.4	896.4	892.4
62.5°	581.7	384.5	691.2	792.8	874.5	872.5	858.6	822.7	802.8	792.8	784.8
65°	494.0	322.7	492.0	659.4	776.9	780.9	751.0	725.1	703.2	691.2	689.2
67.5°	376.5	262.9	332.7	549.8	683.3	679.3	641.4	629.5	601.6	595.6	583.7
70°	278.9	175.3	231.1	446.2	591.6	581.7	551.8	537.8	511.9	498.0	490.0
72.5°	231.1	141.4	169.3	346.6	498.0	486.0	460.2	444.2	422.3	410.4	402.4
75°	187.2	149.4	129.5	257.0	404.4	396.4	372.5	356.6	338.6	322.7	324.7
77.5°	137.4	139.4	103.6	189.2	320.7	308.8	294.8	274.9	266.9	251.0	251.0
80°	103.6	109.6	77.7	129.5	231.1	231.1	219.1	205.2	191.2	183.3	183.3
82.5°	69.7	69.7	57.8	81.7	157.4	151.4	143.4	139.4	131.5	127.5	127.5
85°	31.9	39.8	35.9	49.8	85.7	89.6	89.6	85.7	83.7	79.7	81.7
87.5°	10.0	17.9	21.9	27.9	43.8	45.8	47.8	47.8	47.8	49.8	49.8
90°	8.3	14.9	21.5	23.2	36.5	54.1	62.9	56.0	41.9	31.5	31.5
92.5°	33.2	89.5	145.9	160.0	224.8	311.3	354.6	310.8	223.2	157.5	151.2
95°	79.6	182.7	285.8	311.5	553.2	875.4	1036.5	925.0	701.8	534.5	515.5
97.5°	137.5	228.5	319.5	342.2	745.2	1282.4	1551.1	1480.6	1339.5	1233.7	1197.7
100°	182.3	264.7	347.3	367.9	815.0	1411.2	1709.3	1714.5	1724.8	1732.5	1689.5
102.5°	220.4	297.3	374.3	393.5	847.0	1451.7	1754.1	1843.9	2023.7	2158.4	2121.6
105°	285.1	350.2	415.3	431.7	870.8	1456.4	1749.1	1950.5	2353.3	2655.5	2635.7
107.5°	351.3	412.0	472.8	488.0	875.3	1391.5	1649.7	1930.6	2492.6	2914.0	2918.8
110°	396.0	450.9	505.8	519.5	868.6	1334.0	1566.8	1880.9	2509.1	2980.3	3000.9



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	439.9	492.2	544.6	557.7	868.9	1283.9	1491.4	1812.9	2455.8	2938.1	2969.8
115°	506.3	554.5	602.8	614.8	876.9	1226.4	1401.1	1710.8	2330.2	2794.8	2838.7
117.5°	571.7	615.5	659.4	670.3	893.2	1190.3	1338.9	1618.4	2177.5	2596.7	2645.4
120°	609.9	651.1	692.3	702.6	906.5	1178.3	1314.1	1569.5	2080.2	2463.3	2510.6
122.5°	647.1	688.7	730.4	740.7	925.5	1171.8	1295.0	1525.0	1984.9	2329.9	2376.7
125°	704.3	742.2	780.2	789.6	951.2	1166.6	1274.3	1469.7	1860.4	2153.5	2196.5
127.5°	750.7	788.9	827.3	836.8	976.9	1163.6	1257.0	1424.7	1760.1	2011.7	2048.0
130°	775.5	816.7	858.0	868.3	995.6	1165.4	1250.3	1399.6	1698.3	1922.3	1955.7
132.5°	801.2	842.4	883.7	894.0	1010.8	1166.6	1244.5	1378.2	1645.5	1846.0	1876.0
135°	839.3	876.9	914.5	923.9	1027.5	1165.5	1234.5	1346.5	1570.4	1738.3	1764.2
137.5°	878.3	915.4	952.7	961.9	1052.3	1172.7	1232.8	1327.5	1516.8	1658.7	1680.0
140°	910.5	944.8	979.1	987.6	1067.4	1173.9	1227.1	1308.8	1472.4	1595.0	1614.8
142.5°	935.4	967.1	998.8	1006.7	1080.2	1178.1	1227.1	1298.9	1442.5	1550.3	1567.3
145°	973.6	1001.2	1028.9	1035.7	1096.8	1178.2	1218.8	1277.6	1395.0	1483.1	1496.0
147.5°	1011.6	1038.5	1065.4	1072.2	1121.1	1186.2	1218.8	1265.0	1357.4	1426.8	1437.4
150°	1036.5	1060.8	1085.1	1091.2	1133.7	1190.4	1218.8	1257.8	1335.9	1394.5	1403.2
152.5°	1062.2	1080.7	1099.1	1103.7	1142.0	1193.2	1218.8	1252.2	1318.8	1368.8	1375.4
155°	1100.3	1113.9	1127.6	1131.0	1160.2	1199.3	1218.8	1245.3	1298.4	1338.1	1342.4
157.5°	1128.5	1141.7	1155.1	1158.3	1178.5	1205.4	1218.8	1239.4	1280.7	1311.6	1314.6
160°	1147.6	1157.9	1168.2	1170.8	1186.8	1208.1	1218.8	1236.5	1271.9	1298.4	1300.2
162.5°	1166.6	1174.4	1182.2	1184.0	1195.6	1211.0	1218.8	1233.7	1263.5	1285.9	1287.6
165°	1187.3	1194.3	1201.3	1203.1	1208.3	1215.3	1218.8	1229.5	1250.9	1266.9	1268.7
167.5°	1206.4	1209.6	1213.0	1213.8	1218.2	1224.1	1227.1	1234.0	1248.1	1258.5	1259.2
170°	1218.8	1222.1	1225.5	1226.3	1226.6	1226.9	1227.1	1234.0	1248.1	1258.5	1258.5
172.5°	1225.5	1226.2	1226.9	1227.1	1227.1	1227.1	1227.1	1232.6	1243.7	1252.0	1251.4
175°	1234.5	1234.5	1234.5	1234.5	1232.1	1228.8	1227.1	1230.6	1237.5	1242.8	1242.8
177.5°	1234.5	1234.5	1234.5	1234.5	1232.6	1230.1	1228.8	1231.6	1237.0	1241.2	1240.5
180°	1234.5	1234.5	1234.5	1234.5	1234.5	1234.5	1234.5	1234.5	1234.5	1234.5	1234.5



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2105.4	2105.4	2105.4	2105.4	2105.4	2105.4	2105.4	2105.4	2105.4	2105.4	2105.4
2.5°	2159.2	2153.3	2159.2	2155.2	2157.2	2151.3	2133.3	2127.4	2133.3	2139.3	2139.3
5°	2185.1	2181.1	2185.1	2185.1	2183.1	2179.1	2159.2	2155.2	2159.2	2161.2	2157.2
7.5°	2193.1	2187.1	2193.1	2189.1	2189.1	2185.1	2165.2	2161.2	2163.2	2169.2	2163.2
10°	2193.1	2187.1	2193.1	2191.1	2189.1	2185.1	2165.2	2157.2	2157.2	2163.2	2157.2
12.5°	2183.1	2179.1	2183.1	2179.1	2179.1	2175.2	2155.2	2147.3	2149.3	2151.3	2143.3
15°	2167.2	2161.2	2167.2	2163.2	2165.2	2159.2	2137.3	2129.3	2129.3	2133.3	2119.4
17.5°	2143.3	2135.3	2143.3	2141.3	2139.3	2135.3	2115.4	2107.4	2105.4	2107.4	2097.5
20°	2115.4	2109.4	2115.4	2113.4	2113.4	2105.4	2085.5	2075.6	2075.6	2075.6	2065.6
22.5°	2071.6	2065.6	2071.6	2075.6	2075.6	2073.6	2055.6	2041.7	2037.7	2037.7	2025.8
25°	2021.8	2015.8	2021.8	2021.8	2019.8	2021.8	2015.8	2007.8	2001.9	1995.9	1983.9
27.5°	1974.0	1970.0	1974.0	1970.0	1974.0	1968.0	1966.0	1964.0	1956.0	1950.1	1934.1
30°	1926.2	1922.2	1926.2	1922.2	1918.2	1914.2	1904.3	1900.3	1908.2	1904.3	1878.4
32.5°	1866.4	1862.4	1866.4	1866.4	1862.4	1862.4	1846.5	1840.5	1842.5	1854.5	1830.5
35°	1804.7	1798.7	1804.7	1802.7	1804.7	1798.7	1788.7	1786.7	1778.8	1792.7	1774.8
37.5°	1732.9	1727.0	1732.9	1732.9	1732.9	1736.9	1729.0	1723.0	1711.0	1729.0	1715.0
40°	1659.2	1651.3	1659.2	1657.2	1659.2	1663.2	1659.2	1655.3	1643.3	1657.2	1645.3
42.5°	1575.6	1573.6	1575.6	1577.6	1577.6	1585.5	1591.5	1583.5	1579.6	1569.6	1577.6
45°	1485.9	1481.9	1485.9	1489.9	1491.9	1495.9	1513.8	1513.8	1507.8	1491.9	1503.9
47.5°	1390.3	1380.4	1390.3	1402.3	1402.3	1408.2	1426.2	1440.1	1430.2	1410.2	1416.2
50°	1288.7	1290.7	1288.7	1296.7	1296.7	1318.6	1332.5	1346.5	1356.5	1332.5	1304.7
52.5°	1189.1	1187.2	1189.1	1195.1	1203.1	1213.0	1236.9	1250.9	1266.8	1252.9	1209.0
55°	1089.6	1093.6	1089.6	1091.6	1095.6	1101.6	1137.4	1151.4	1181.3	1163.3	1117.5
57.5°	990.0	984.0	990.0	994.0	996.0	1002.0	1031.9	1057.8	1075.7	1077.7	1021.9
60°	874.5	866.5	874.5	892.4	896.4	900.4	928.3	952.2	968.1	974.1	916.3
62.5°	772.9	759.0	772.9	784.8	792.8	802.8	822.7	858.6	872.5	874.5	792.8
65°	665.3	659.4	665.3	689.2	691.2	703.2	725.1	751.0	780.9	776.9	659.4
67.5°	567.7	567.7	567.7	583.7	595.6	601.6	629.5	641.4	679.3	683.3	549.8
70°	478.1	476.1	478.1	490.0	498.0	511.9	537.8	551.8	581.7	591.6	446.2
72.5°	392.4	390.4	392.4	402.4	410.4	422.3	444.2	460.2	486.0	498.0	346.6
75°	316.7	312.7	316.7	324.7	322.7	338.6	356.6	372.5	396.4	404.4	257.0
77.5°	243.0	243.0	243.0	251.0	251.0	266.9	274.9	294.8	308.8	320.7	189.2
80°	181.3	179.3	181.3	183.3	183.3	191.2	205.2	219.1	231.1	231.1	129.5
82.5°	127.5	123.5	127.5	127.5	127.5	131.5	139.4	143.4	151.4	157.4	81.7
85°	79.7	79.7	79.7	81.7	79.7	83.7	85.7	89.6	89.6	85.7	49.8
87.5°	51.8	49.8	51.8	49.8	49.8	47.8	47.8	47.8	45.8	43.8	27.9
90°	31.5	31.5	31.5	31.5	31.5	41.9	56.0	62.9	54.1	36.5	23.2
92.5°	126.2	101.1	126.2	151.2	157.5	223.2	310.8	354.6	311.3	224.8	160.0
95°	439.6	363.7	439.6	515.5	534.5	701.8	925.0	1036.5	875.4	553.2	311.5
97.5°	1053.3	908.9	1053.3	1197.7	1233.7	1339.5	1480.6	1551.1	1282.4	745.2	342.2
100°	1517.6	1345.6	1517.6	1689.5	1732.5	1724.8	1714.5	1709.3	1411.2	815.0	367.9
102.5°	1974.3	1827.0	1974.3	2121.6	2158.4	2023.7	1843.9	1754.1	1451.7	847.0	393.5
105°	2556.5	2477.4	2556.5	2635.7	2655.5	2353.3	1950.5	1749.1	1456.4	870.8	431.7
107.5°	2938.0	2957.1	2938.0	2918.8	2914.0	2492.6	1930.6	1649.7	1391.5	875.3	488.0
110°	3083.4	3165.9	3083.4	3000.9	2980.3	2509.1	1880.9	1566.8	1334.0	868.6	519.5



TEST NUMBER: P935192

CATALOG NUMBER: SQ4-FA-100U-075D-B2750-1D-UNV-STD-W-8-2700K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3096.4	3223.1	3096.4	2969.8	2938.1	2455.8	1812.9	1491.4	1283.9	868.9	557.7
115°	3014.3	3190.0	3014.3	2838.7	2794.8	2330.2	1710.8	1401.1	1226.4	876.9	614.8
117.5°	2840.2	3035.0	2840.2	2645.4	2596.7	2177.5	1618.4	1338.9	1190.3	893.2	670.3
120°	2700.0	2889.2	2700.0	2510.6	2463.3	2080.2	1569.5	1314.1	1178.3	906.5	702.6
122.5°	2563.3	2750.0	2563.3	2376.7	2329.9	1984.9	1525.0	1295.0	1171.8	925.5	740.7
125°	2368.4	2540.4	2368.4	2196.5	2153.5	1860.4	1469.7	1274.3	1166.6	951.2	789.6
127.5°	2193.1	2338.2	2193.1	2048.0	2011.7	1760.1	1424.7	1257.0	1163.6	976.9	836.8
130°	2089.8	2223.9	2089.8	1955.7	1922.3	1698.3	1399.6	1250.3	1165.4	995.6	868.3
132.5°	1996.1	2116.1	1996.1	1876.0	1846.0	1645.5	1378.2	1244.5	1166.6	1010.8	894.0
135°	1867.7	1971.2	1867.7	1764.2	1738.3	1570.4	1346.5	1234.5	1165.5	1027.5	923.9
137.5°	1764.6	1849.4	1764.6	1680.0	1658.7	1516.8	1327.5	1232.8	1172.7	1052.3	961.9
140°	1693.9	1773.1	1693.9	1614.8	1595.0	1472.4	1308.8	1227.1	1173.9	1067.4	987.6
142.5°	1635.4	1703.6	1635.4	1567.3	1550.3	1442.5	1298.9	1227.1	1178.1	1080.2	1006.7
145°	1547.6	1599.1	1547.6	1496.0	1483.1	1395.0	1277.6	1218.8	1178.2	1096.8	1035.7
147.5°	1480.2	1522.9	1480.2	1437.4	1426.8	1357.4	1265.0	1218.8	1186.2	1121.1	1072.2
150°	1437.7	1472.4	1437.7	1403.2	1394.5	1335.9	1257.8	1218.8	1190.4	1133.7	1091.2
152.5°	1401.5	1427.6	1401.5	1375.4	1368.8	1318.8	1252.2	1218.8	1193.2	1142.0	1103.7
155°	1359.7	1377.1	1359.7	1342.4	1338.1	1298.4	1245.3	1218.8	1199.3	1160.2	1131.0
157.5°	1326.8	1338.9	1326.8	1314.6	1311.6	1280.7	1239.4	1218.8	1205.4	1178.5	1158.3
160°	1307.2	1314.1	1307.2	1300.2	1298.4	1271.9	1236.5	1218.8	1208.1	1186.8	1170.8
162.5°	1294.2	1300.9	1294.2	1287.6	1285.9	1263.5	1233.7	1218.8	1211.0	1195.6	1184.0
165°	1275.7	1282.6	1275.7	1268.7	1266.9	1250.9	1229.5	1218.8	1215.3	1208.3	1203.1
167.5°	1262.2	1265.2	1262.2	1259.2	1258.5	1248.1	1234.0	1227.1	1224.1	1218.2	1213.8
170°	1258.5	1258.5	1258.5	1258.5	1258.5	1248.1	1234.0	1227.1	1226.9	1226.6	1226.3
172.5°	1248.8	1246.2	1248.8	1251.4	1252.0	1243.7	1232.6	1227.1	1227.1	1227.1	1227.1
175°	1242.8	1242.8	1242.8	1242.8	1242.8	1237.5	1230.6	1227.1	1228.8	1232.1	1234.5
177.5°	1237.5	1234.5	1237.5	1240.5	1241.2	1237.0	1231.6	1228.8	1230.1	1232.6	1234.5
180°	1234.5	1234.5	1234.5	1234.5	1234.5	1234.5	1234.5	1234.5	1234.5	1234.5	1234.5



TEST NUMBER: P935192

CATALOG NUMBER: SQ4-FA-100U-075D-B2750-1D-UNV-STD-W-8-2700K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2105.4	2105.4	2105.4	2105.4	2105.4	2105.4	2105.4	2105.4	2105.4	2105.4	2105.4
2.5°	2135.3	2123.4	2123.4	2103.5	2095.5	2089.5	2079.5	2049.7	2041.7	2033.7	2045.7
5°	2153.3	2131.3	2115.4	2079.5	2049.7	2037.7	1999.9	1928.2	1880.3	1844.5	1824.6
7.5°	2157.2	2129.3	2099.5	2043.7	1972.0	1940.1	1824.6	1693.1	1657.2	1625.4	1605.5
10°	2153.3	2121.4	2079.5	1995.9	1826.6	1770.8	1655.3	1569.6	1547.7	1541.7	1547.7
12.5°	2139.3	2109.4	2051.7	1912.2	1675.2	1637.3	1569.6	1519.8	1515.8	1525.8	1579.6
15°	2115.4	2087.5	2019.8	1800.7	1591.5	1563.6	1515.8	1497.9	1519.8	1589.5	1750.9
17.5°	2091.5	2059.6	1976.0	1691.1	1527.8	1507.8	1474.0	1509.8	1633.3	1727.0	1780.7
20°	2059.6	2021.8	1926.2	1611.4	1481.9	1464.0	1448.1	1609.4	1703.1	1736.9	1766.8
22.5°	2021.8	1981.9	1858.4	1555.7	1434.1	1420.2	1430.2	1665.2	1703.1	1727.0	1752.9
25°	1972.0	1938.1	1778.8	1511.8	1396.3	1380.4	1418.2	1659.2	1681.1	1687.1	1738.9
27.5°	1926.2	1882.3	1695.1	1472.0	1350.5	1344.5	1428.2	1633.3	1649.3	1655.3	1711.0
30°	1870.4	1804.7	1601.5	1430.2	1302.7	1300.7	1430.2	1601.5	1597.5	1613.4	1669.2
32.5°	1812.6	1689.1	1495.9	1378.4	1256.9	1254.9	1416.2	1553.7	1549.7	1571.6	1613.4
35°	1758.8	1599.5	1352.5	1318.6	1199.1	1201.1	1382.3	1497.9	1499.9	1519.8	1545.7
37.5°	1703.1	1521.8	1195.1	1252.9	1143.4	1143.4	1336.5	1446.1	1442.1	1448.1	1483.9
40°	1637.3	1400.3	1055.8	1167.3	1091.6	1085.6	1280.8	1390.3	1376.4	1374.4	1424.2
42.5°	1567.6	1266.8	952.2	1053.8	1031.9	1023.9	1213.0	1322.6	1296.7	1302.7	1366.4
45°	1491.9	1231.0	872.5	890.4	970.1	964.1	1139.4	1244.9	1227.0	1242.9	1308.6
47.5°	1416.2	1159.3	846.6	739.0	904.4	902.4	1057.8	1169.3	1159.3	1175.3	1244.9
50°	1312.6	1079.7	844.6	633.5	830.7	838.6	960.1	1095.6	1095.6	1109.5	1183.2
52.5°	1179.3	982.1	766.9	573.7	745.0	768.9	874.5	1031.9	1035.8	1049.8	1115.5
55°	1057.8	880.5	711.1	527.9	643.4	695.2	790.8	966.1	974.1	988.0	1047.8
57.5°	946.2	733.1	699.2	474.1	549.8	599.6	717.1	902.4	906.4	918.3	976.1
60°	826.7	529.9	641.4	416.3	468.1	506.0	649.4	826.7	840.6	848.6	898.4
62.5°	691.2	384.5	581.7	376.5	428.3	436.2	593.6	755.0	772.9	778.9	808.8
65°	492.0	322.7	494.0	342.6	386.4	388.4	533.9	681.3	697.2	707.2	729.1
67.5°	332.7	262.9	376.5	310.8	354.6	356.6	476.1	595.6	617.5	625.5	639.4
70°	231.1	175.3	278.9	276.9	318.7	322.7	414.3	517.9	537.8	543.8	551.8
72.5°	169.3	141.4	231.1	249.0	280.9	284.9	350.6	430.3	450.2	456.2	460.2
75°	129.5	149.4	187.2	217.1	239.0	241.0	286.8	350.6	364.5	368.5	370.5
77.5°	103.6	139.4	137.4	175.3	195.2	191.2	225.1	270.9	282.9	282.9	282.9
80°	77.7	109.6	103.6	125.5	143.4	139.4	161.4	193.2	197.2	201.2	199.2
82.5°	57.8	69.7	69.7	79.7	95.6	91.6	107.6	125.5	125.5	125.5	129.5
85°	35.9	39.8	31.9	41.8	53.8	51.8	59.8	67.7	69.7	69.7	65.7
87.5°	21.9	17.9	10.0	15.9	23.9	23.9	27.9	29.9	27.9	27.9	27.9
90°	21.5	14.9	8.3	14.9	21.5	23.2	36.5	54.1	62.9	56.0	41.9
92.5°	145.9	89.5	33.2	89.5	145.9	160.0	224.8	311.3	354.6	310.8	223.2
95°	285.8	182.7	79.6	182.7	285.8	311.5	553.2	875.4	1036.5	925.0	701.8
97.5°	319.5	228.5	137.5	228.5	319.5	342.2	745.2	1282.4	1551.1	1480.6	1339.5
100°	347.3	264.7	182.3	264.7	347.3	367.9	815.0	1411.2	1709.3	1714.5	1724.8
102.5°	374.3	297.3	220.4	297.3	374.3	393.5	847.0	1451.7	1754.1	1843.9	2023.7
105°	415.3	350.2	285.1	350.2	415.3	431.7	870.8	1456.4	1749.1	1950.5	2353.3
107.5°	472.8	412.0	351.3	412.0	472.8	488.0	875.3	1391.5	1649.7	1930.6	2492.6
110°	505.8	450.9	396.0	450.9	505.8	519.5	868.6	1334.0	1566.8	1880.9	2509.1



TEST NUMBER: P935192

CATALOG NUMBER: SQ4-FA-100U-075D-B2750-1D-UNV-STD-W-8-2700K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	544.6	492.2	439.9	492.2	544.6	557.7	868.9	1283.9	1491.4	1812.9	2455.8
115°	602.8	554.5	506.3	554.5	602.8	614.8	876.9	1226.4	1401.1	1710.8	2330.2
117.5°	659.4	615.5	571.7	615.5	659.4	670.3	893.2	1190.3	1338.9	1618.4	2177.5
120°	692.3	651.1	609.9	651.1	692.3	702.6	906.5	1178.3	1314.1	1569.5	2080.2
122.5°	730.4	688.7	647.1	688.7	730.4	740.7	925.5	1171.8	1295.0	1525.0	1984.9
125°	780.2	742.2	704.3	742.2	780.2	789.6	951.2	1166.6	1274.3	1469.7	1860.4
127.5°	827.3	788.9	750.7	788.9	827.3	836.8	976.9	1163.6	1257.0	1424.7	1760.1
130°	858.0	816.7	775.5	816.7	858.0	868.3	995.6	1165.4	1250.3	1399.6	1698.3
132.5°	883.7	842.4	801.2	842.4	883.7	894.0	1010.8	1166.6	1244.5	1378.2	1645.5
135°	914.5	876.9	839.3	876.9	914.5	923.9	1027.5	1165.5	1234.5	1346.5	1570.4
137.5°	952.7	915.4	878.3	915.4	952.7	961.9	1052.3	1172.7	1232.8	1327.5	1516.8
140°	979.1	944.8	910.5	944.8	979.1	987.6	1067.4	1173.9	1227.1	1308.8	1472.4
142.5°	998.8	967.1	935.4	967.1	998.8	1006.7	1080.2	1178.1	1227.1	1298.9	1442.5
145°	1028.9	1001.2	973.6	1001.2	1028.9	1035.7	1096.8	1178.2	1218.8	1277.6	1395.0
147.5°	1065.4	1038.5	1011.6	1038.5	1065.4	1072.2	1121.1	1186.2	1218.8	1265.0	1357.4
150°	1085.1	1060.8	1036.5	1060.8	1085.1	1091.2	1133.7	1190.4	1218.8	1257.8	1335.9
152.5°	1099.1	1080.7	1062.2	1080.7	1099.1	1103.7	1142.0	1193.2	1218.8	1252.2	1318.8
155°	1127.6	1113.9	1100.3	1113.9	1127.6	1131.0	1160.2	1199.3	1218.8	1245.3	1298.4
157.5°	1155.1	1141.7	1128.5	1141.7	1155.1	1158.3	1178.5	1205.4	1218.8	1239.4	1280.7
160°	1168.2	1157.9	1147.6	1157.9	1168.2	1170.8	1186.8	1208.1	1218.8	1236.5	1271.9
162.5°	1182.2	1174.4	1166.6	1174.4	1182.2	1184.0	1195.6	1211.0	1218.8	1233.7	1263.5
165°	1201.3	1194.3	1187.3	1194.3	1201.3	1203.1	1208.3	1215.3	1218.8	1229.5	1250.9
167.5°	1213.0	1209.6	1206.4	1209.6	1213.0	1213.8	1218.2	1224.1	1227.1	1234.0	1248.1
170°	1225.5	1222.1	1218.8	1222.1	1225.5	1226.3	1226.6	1226.9	1227.1	1234.0	1248.1
172.5°	1226.9	1226.2	1225.5	1226.2	1226.9	1227.1	1227.1	1227.1	1227.1	1232.6	1243.7
175°	1234.5	1234.5	1234.5	1234.5	1234.5	1234.5	1232.1	1228.8	1227.1	1230.6	1237.5
177.5°	1234.5	1234.5	1234.5	1234.5	1234.5	1234.5	1232.6	1230.1	1228.8	1231.6	1237.0
180°	1234.5	1234.5	1234.5	1234.5	1234.5	1234.5	1234.5	1234.5	1234.5	1234.5	1234.5



TEST NUMBER: P935192

CATALOG NUMBER: SQ4-FA-100U-075D-B2750-1D-UNV-STD-W-8-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2105.4	2105.4	2105.4	2105.4	2105.4	2105.4	2105.4	2105.4	2105.4	2105.4	2105.4
2.5°	2031.7	2025.8	2033.7	2011.8	2033.7	2025.8	2031.7	2045.7	2033.7	2041.7	2049.7
5°	1782.7	1772.8	1740.9	1715.0	1740.9	1772.8	1782.7	1824.6	1844.5	1880.3	1928.2
7.5°	1593.5	1585.5	1577.6	1561.6	1577.6	1585.5	1593.5	1605.5	1625.4	1657.2	1693.1
10°	1551.7	1553.7	1565.6	1563.6	1565.6	1553.7	1551.7	1547.7	1541.7	1547.7	1569.6
12.5°	1659.2	1677.2	1742.9	1738.9	1742.9	1677.2	1659.2	1579.6	1525.8	1515.8	1519.8
15°	1782.7	1788.7	1802.7	1804.7	1802.7	1788.7	1782.7	1750.9	1589.5	1519.8	1497.9
17.5°	1794.7	1796.7	1806.6	1806.6	1806.6	1796.7	1794.7	1780.7	1727.0	1633.3	1509.8
20°	1784.7	1788.7	1808.6	1812.6	1808.6	1788.7	1784.7	1766.8	1736.9	1703.1	1609.4
22.5°	1780.7	1788.7	1804.7	1802.7	1804.7	1788.7	1780.7	1752.9	1727.0	1703.1	1665.2
25°	1760.8	1760.8	1762.8	1764.8	1762.8	1760.8	1760.8	1738.9	1687.1	1681.1	1659.2
27.5°	1719.0	1723.0	1734.9	1732.9	1734.9	1723.0	1719.0	1711.0	1655.3	1649.3	1633.3
30°	1681.1	1677.2	1667.2	1659.2	1667.2	1677.2	1681.1	1669.2	1613.4	1597.5	1601.5
32.5°	1617.4	1607.4	1597.5	1591.5	1597.5	1607.4	1617.4	1613.4	1571.6	1549.7	1553.7
35°	1541.7	1543.7	1541.7	1535.7	1541.7	1543.7	1541.7	1545.7	1519.8	1499.9	1497.9
37.5°	1487.9	1491.9	1489.9	1481.9	1489.9	1491.9	1487.9	1483.9	1448.1	1442.1	1446.1
40°	1432.1	1434.1	1432.1	1426.2	1432.1	1434.1	1432.1	1424.2	1374.4	1376.4	1390.3
42.5°	1378.4	1376.4	1370.4	1366.4	1370.4	1376.4	1378.4	1366.4	1302.7	1296.7	1322.6
45°	1316.6	1318.6	1306.7	1300.7	1306.7	1318.6	1316.6	1308.6	1242.9	1227.0	1244.9
47.5°	1254.9	1254.9	1244.9	1238.9	1244.9	1254.9	1254.9	1244.9	1175.3	1159.3	1169.3
50°	1189.1	1187.2	1173.3	1171.3	1173.3	1187.2	1189.1	1183.2	1109.5	1095.6	1095.6
52.5°	1113.5	1113.5	1115.5	1119.5	1115.5	1113.5	1113.5	1115.5	1049.8	1035.8	1031.9
55°	1047.8	1049.8	1063.7	1067.7	1063.7	1049.8	1047.8	1047.8	988.0	974.1	966.1
57.5°	980.1	980.1	990.0	990.0	990.0	980.1	980.1	976.1	918.3	906.4	902.4
60°	902.4	906.4	914.3	912.3	914.3	906.4	902.4	898.4	848.6	840.6	826.7
62.5°	820.7	824.7	826.7	822.7	826.7	824.7	820.7	808.8	778.9	772.9	755.0
65°	735.0	739.0	741.0	737.0	741.0	739.0	735.0	729.1	707.2	697.2	681.3
67.5°	647.4	645.4	643.4	651.4	643.4	645.4	647.4	639.4	625.5	617.5	595.6
70°	557.8	557.8	555.8	559.8	555.8	557.8	557.8	551.8	543.8	537.8	517.9
72.5°	462.1	460.2	468.1	462.1	468.1	460.2	462.1	460.2	456.2	450.2	430.3
75°	368.5	372.5	368.5	374.5	368.5	372.5	368.5	370.5	368.5	364.5	350.6
77.5°	280.9	284.9	280.9	280.9	280.9	284.9	280.9	282.9	282.9	282.9	270.9
80°	199.2	197.2	197.2	195.2	197.2	197.2	199.2	199.2	201.2	197.2	193.2
82.5°	127.5	125.5	125.5	129.5	125.5	125.5	127.5	129.5	125.5	125.5	125.5
85°	69.7	71.7	67.7	67.7	67.7	71.7	69.7	65.7	69.7	69.7	67.7
87.5°	25.9	23.9	23.9	23.9	23.9	23.9	25.9	27.9	27.9	27.9	29.9
90°	31.5	31.5	31.5	31.5	31.5	31.5	31.5	41.9	56.0	62.9	54.1
92.5°	157.5	151.2	126.2	101.1	126.2	151.2	157.5	223.2	310.8	354.6	311.3
95°	534.5	515.5	439.6	363.7	439.6	515.5	534.5	701.8	925.0	1036.5	875.4
97.5°	1233.7	1197.7	1053.3	908.9	1053.3	1197.7	1233.7	1339.5	1480.6	1551.1	1282.4
100°	1732.5	1689.5	1517.6	1345.6	1517.6	1689.5	1732.5	1724.8	1714.5	1709.3	1411.2
102.5°	2158.4	2121.6	1974.3	1827.0	1974.3	2121.6	2158.4	2023.7	1843.9	1754.1	1451.7
105°	2655.5	2635.7	2556.5	2477.4	2556.5	2635.7	2655.5	2353.3	1950.5	1749.1	1456.4
107.5°	2914.0	2918.8	2938.0	2957.1	2938.0	2918.8	2914.0	2492.6	1930.6	1649.7	1391.5
110°	2980.3	3000.9	3083.4	3165.9	3083.4	3000.9	2980.3	2509.1	1880.9	1566.8	1334.0



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2938.1	2969.8	3096.4	3223.1	3096.4	2969.8	2938.1	2455.8	1812.9	1491.4	1283.9
115°	2794.8	2838.7	3014.3	3190.0	3014.3	2838.7	2794.8	2330.2	1710.8	1401.1	1226.4
117.5°	2596.7	2645.4	2840.2	3035.0	2840.2	2645.4	2596.7	2177.5	1618.4	1338.9	1190.3
120°	2463.3	2510.6	2700.0	2889.2	2700.0	2510.6	2463.3	2080.2	1569.5	1314.1	1178.3
122.5°	2329.9	2376.7	2563.3	2750.0	2563.3	2376.7	2329.9	1984.9	1525.0	1295.0	1171.8
125°	2153.5	2196.5	2368.4	2540.4	2368.4	2196.5	2153.5	1860.4	1469.7	1274.3	1166.6
127.5°	2011.7	2048.0	2193.1	2338.2	2193.1	2048.0	2011.7	1760.1	1424.7	1257.0	1163.6
130°	1922.3	1955.7	2089.8	2223.9	2089.8	1955.7	1922.3	1698.3	1399.6	1250.3	1165.4
132.5°	1846.0	1876.0	1996.1	2116.1	1996.1	1876.0	1846.0	1645.5	1378.2	1244.5	1166.6
135°	1738.3	1764.2	1867.7	1971.2	1867.7	1764.2	1738.3	1570.4	1346.5	1234.5	1165.5
137.5°	1658.7	1680.0	1764.6	1849.4	1764.6	1680.0	1658.7	1516.8	1327.5	1232.8	1172.7
140°	1595.0	1614.8	1693.9	1773.1	1693.9	1614.8	1595.0	1472.4	1308.8	1227.1	1173.9
142.5°	1550.3	1567.3	1635.4	1703.6	1635.4	1567.3	1550.3	1442.5	1298.9	1227.1	1178.1
145°	1483.1	1496.0	1547.6	1599.1	1547.6	1496.0	1483.1	1395.0	1277.6	1218.8	1178.2
147.5°	1426.8	1437.4	1480.2	1522.9	1480.2	1437.4	1426.8	1357.4	1265.0	1218.8	1186.2
150°	1394.5	1403.2	1437.7	1472.4	1437.7	1403.2	1394.5	1335.9	1257.8	1218.8	1190.4
152.5°	1368.8	1375.4	1401.5	1427.6	1401.5	1375.4	1368.8	1318.8	1252.2	1218.8	1193.2
155°	1338.1	1342.4	1359.7	1377.1	1359.7	1342.4	1338.1	1298.4	1245.3	1218.8	1199.3
157.5°	1311.6	1314.6	1326.8	1338.9	1326.8	1314.6	1311.6	1280.7	1239.4	1218.8	1205.4
160°	1298.4	1300.2	1307.2	1314.1	1307.2	1300.2	1298.4	1271.9	1236.5	1218.8	1208.1
162.5°	1285.9	1287.6	1294.2	1300.9	1294.2	1287.6	1285.9	1263.5	1233.7	1218.8	1211.0
165°	1266.9	1268.7	1275.7	1282.6	1275.7	1268.7	1266.9	1250.9	1229.5	1218.8	1215.3
167.5°	1258.5	1259.2	1262.2	1265.2	1262.2	1259.2	1258.5	1248.1	1234.0	1227.1	1224.1
170°	1258.5	1258.5	1258.5	1258.5	1258.5	1258.5	1258.5	1248.1	1234.0	1227.1	1226.9
172.5°	1252.0	1251.4	1248.8	1246.2	1248.8	1251.4	1252.0	1243.7	1232.6	1227.1	1227.1
175°	1242.8	1242.8	1242.8	1242.8	1242.8	1242.8	1242.8	1237.5	1230.6	1227.1	1228.8
177.5°	1241.2	1240.5	1237.5	1234.5	1237.5	1240.5	1241.2	1237.0	1231.6	1228.8	1230.1
180°	1234.5	1234.5	1234.5	1234.5	1234.5	1234.5	1234.5	1234.5	1234.5	1234.5	1234.5



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	2105.4	2105.4	2105.4	2105.4	2105.4
2.5°	2079.5	2089.5	2095.5	2103.5	2123.4
5°	1999.9	2037.7	2049.7	2079.5	2115.4
7.5°	1824.6	1940.1	1972.0	2043.7	2099.5
10°	1655.3	1770.8	1826.6	1995.9	2079.5
12.5°	1569.6	1637.3	1675.2	1912.2	2051.7
15°	1515.8	1563.6	1591.5	1800.7	2019.8
17.5°	1474.0	1507.8	1527.8	1691.1	1976.0
20°	1448.1	1464.0	1481.9	1611.4	1926.2
22.5°	1430.2	1420.2	1434.1	1555.7	1858.4
25°	1418.2	1380.4	1396.3	1511.8	1778.8
27.5°	1428.2	1344.5	1350.5	1472.0	1695.1
30°	1430.2	1300.7	1302.7	1430.2	1601.5
32.5°	1416.2	1254.9	1256.9	1378.4	1495.9
35°	1382.3	1201.1	1199.1	1318.6	1352.5
37.5°	1336.5	1143.4	1143.4	1252.9	1195.1
40°	1280.8	1085.6	1091.6	1167.3	1055.8
42.5°	1213.0	1023.9	1031.9	1053.8	952.2
45°	1139.4	964.1	970.1	890.4	872.5
47.5°	1057.8	902.4	904.4	739.0	846.6
50°	960.1	838.6	830.7	633.5	844.6
52.5°	874.5	768.9	745.0	573.7	766.9
55°	790.8	695.2	643.4	527.9	711.1
57.5°	717.1	599.6	549.8	474.1	699.2
60°	649.4	506.0	468.1	416.3	641.4
62.5°	593.6	436.2	428.3	376.5	581.7
65°	533.9	388.4	386.4	342.6	494.0
67.5°	476.1	356.6	354.6	310.8	376.5
70°	414.3	322.7	318.7	276.9	278.9
72.5°	350.6	284.9	280.9	249.0	231.1
75°	286.8	241.0	239.0	217.1	187.2
77.5°	225.1	191.2	195.2	175.3	137.4
80°	161.4	139.4	143.4	125.5	103.6
82.5°	107.6	91.6	95.6	79.7	69.7
85°	59.8	51.8	53.8	41.8	31.9
87.5°	27.9	23.9	23.9	15.9	10.0
90°	36.5	23.2	21.5	14.9	8.3
92.5°	224.8	160.0	145.9	89.5	33.2
95°	553.2	311.5	285.8	182.7	79.6
97.5°	745.2	342.2	319.5	228.5	137.5
100°	815.0	367.9	347.3	264.7	182.3
102.5°	847.0	393.5	374.3	297.3	220.4
105°	870.8	431.7	415.3	350.2	285.1
107.5°	875.3	488.0	472.8	412.0	351.3
110°	868.6	519.5	505.8	450.9	396.0



TEST NUMBER: P935192

CATALOG NUMBER: SQ4-FA-100U-075D-B2750-1D-UNV-STD-W-8-2700K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	868.9	557.7	544.6	492.2	439.9
115°	876.9	614.8	602.8	554.5	506.3
117.5°	893.2	670.3	659.4	615.5	571.7
120°	906.5	702.6	692.3	651.1	609.9
122.5°	925.5	740.7	730.4	688.7	647.1
125°	951.2	789.6	780.2	742.2	704.3
127.5°	976.9	836.8	827.3	788.9	750.7
130°	995.6	868.3	858.0	816.7	775.5
132.5°	1010.8	894.0	883.7	842.4	801.2
135°	1027.5	923.9	914.5	876.9	839.3
137.5°	1052.3	961.9	952.7	915.4	878.3
140°	1067.4	987.6	979.1	944.8	910.5
142.5°	1080.2	1006.7	998.8	967.1	935.4
145°	1096.8	1035.7	1028.9	1001.2	973.6
147.5°	1121.1	1072.2	1065.4	1038.5	1011.6
150°	1133.7	1091.2	1085.1	1060.8	1036.5
152.5°	1142.0	1103.7	1099.1	1080.7	1062.2
155°	1160.2	1131.0	1127.6	1113.9	1100.3
157.5°	1178.5	1158.3	1155.1	1141.7	1128.5
160°	1186.8	1170.8	1168.2	1157.9	1147.6
162.5°	1195.6	1184.0	1182.2	1174.4	1166.6
165°	1208.3	1203.1	1201.3	1194.3	1187.3
167.5°	1218.2	1213.8	1213.0	1209.6	1206.4
170°	1226.6	1226.3	1225.5	1222.1	1218.8
172.5°	1227.1	1227.1	1226.9	1226.2	1225.5
175°	1232.1	1234.5	1234.5	1234.5	1234.5
177.5°	1232.6	1234.5	1234.5	1234.5	1234.5
180°	1234.5	1234.5	1234.5	1234.5	1234.5



TEST NUMBER: P935192
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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	11.79	12.57	12.82	13.61	15.01	14.62	15.41	15.66	16.45	17.85
	3H	12.26	12.96	13.30	14.01	15.43	15.97	16.67	17.01	17.72	19.14
	4H	12.45	13.11	13.50	14.16	15.59	16.41	17.07	17.46	18.12	19.55
	6H	12.56	13.17	13.63	14.23	15.67	16.69	17.30	17.76	18.36	19.80
	8H	12.56	13.14	13.63	14.21	15.65	16.76	17.35	17.83	18.42	19.85
	12H	12.53	13.08	13.60	14.15	15.60	16.80	17.35	17.88	18.42	19.88
4H	2H	12.81	13.48	13.87	14.53	15.95	15.02	15.69	16.09	16.74	18.17
	3H	13.83	14.38	14.90	15.46	16.90	16.52	17.08	17.59	18.16	19.60
	4H	14.10	14.61	15.18	15.68	17.14	17.05	17.56	18.13	18.63	20.09
	6H	14.22	14.66	15.31	15.75	17.21	17.41	17.85	18.50	18.94	20.40
	8H	14.23	14.64	15.31	15.72	17.19	17.52	17.93	18.60	19.01	20.48
	12H	14.19	14.56	15.29	15.66	17.13	17.57	17.94	18.68	19.04	20.52
8H	4H	14.55	14.96	15.64	16.04	17.52	17.17	17.58	18.25	18.66	20.13
	6H	14.81	15.15	15.92	16.27	17.74	17.60	17.94	18.71	19.07	20.54
	8H	14.85	15.15	15.97	16.26	17.74	17.76	18.05	18.87	19.16	20.65
	12H	14.83	15.09	15.95	16.20	17.72	17.85	18.11	18.97	19.22	20.74
12H	4H	14.56	14.92	15.66	16.02	17.50	17.13	17.50	18.23	18.60	20.07
	6H	14.87	15.17	15.99	16.28	17.76	17.60	17.89	18.71	19.00	20.49
	8H	14.93	15.19	16.05	16.30	17.82	17.76	18.02	18.88	19.12	20.65