

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: P935148

Luminaire Tested: SQ4-FA-100U-075D-92765-1D-UNV-STD-W-8-6500K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935148
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-92765-1D-UNV-STD-W-8-6500K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

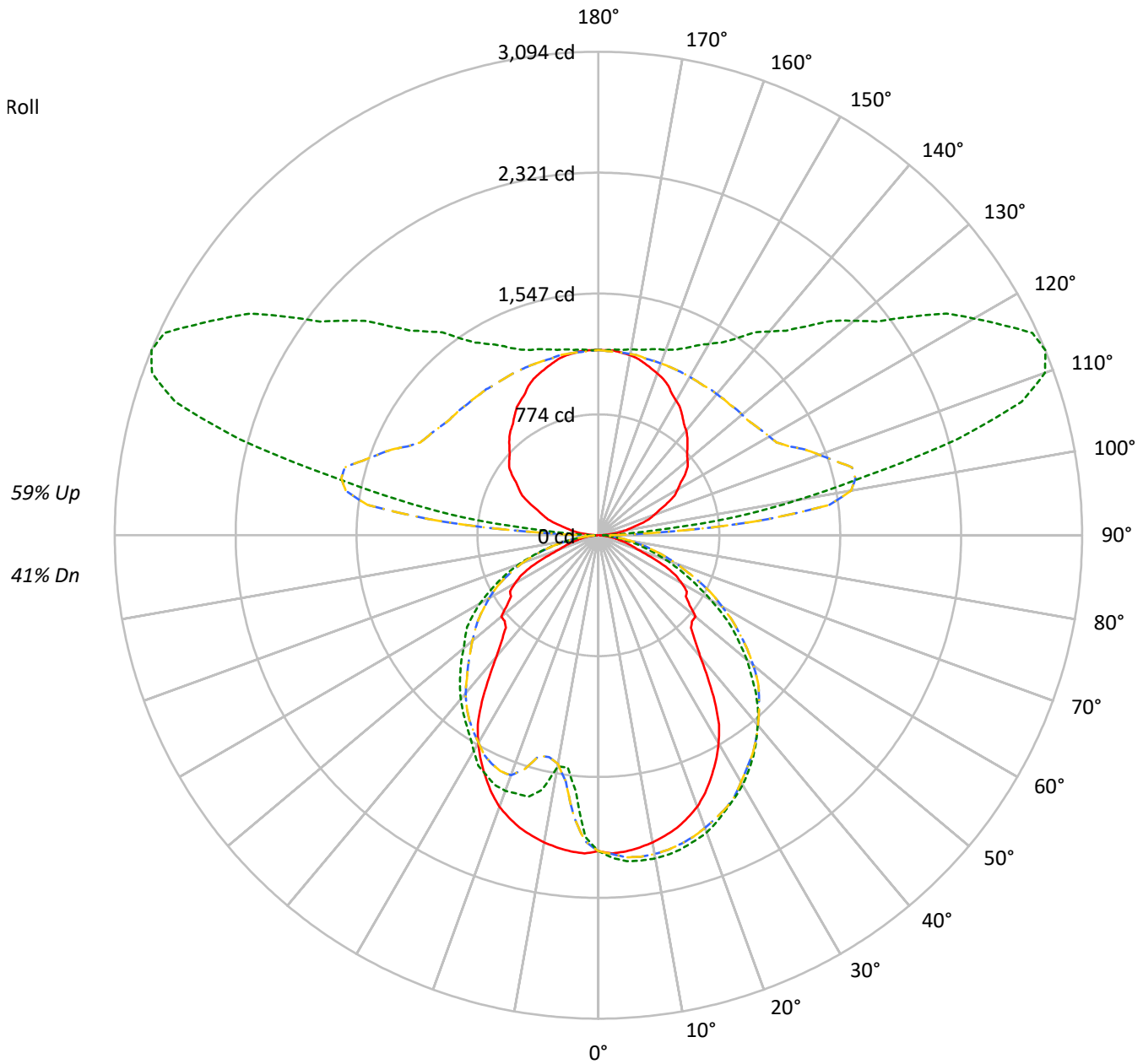
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12928.7 lumens
Efficiency: N/A
Efficacy: 131.4 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°	9378	9378	9378	9378
5°	9448	9467	9448	7444
10°	9385	9325	9385	6667
15°	9283	9123	9283	7618
20°	9089	8884	9089	7634
25°	8691	8534	8691	7472
30°	8178	8245	8178	7117
35°	7290	7878	7290	6727
40°	6075	7447	6075	6432
45°	5428	6941	5428	6092
50°	5767	6339	5767	5753
55°	5425	5690	5425	5555
60°	5593	4833	5593	5089
65°	5071	3995	5071	4466
70°	3511	3184	3511	3743
75°	3079	2353	3079	2818
80°	2480	1556	2480	1694
85°	1425	824	1425	700

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 8319 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	182.5	1.4
10°-20°	518.0	4.0
20°-30°	800.8	6.2
30°-40°	956.0	7.4
40°-50°	961.6	7.4
50°-60°	836.7	6.5
60°-70°	593.3	4.6
70°-80°	313.9	2.4
80°-90°	82.7	0.6
90°-100°	577.8	4.5
100°-110°	1518.9	11.7
110°-120°	1574.9	12.2
120°-130°	1263.3	9.8
130°-140°	991.2	7.7
140°-150°	760.8	5.9
150°-160°	547.9	4.2
160°-170°	335.2	2.6
170°-180°	113.3	0.9
0°-30°	1501.3	11.6
0°-40°	2457.3	19.0
0°-60°	4255.6	32.9
0°-90°	5245.4	40.6
90°-120°	3671.6	28.4
90°-150°	6686.9	51.7
90°-180°	7683.0	59.4
0°-180°	12928.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2021	2021	2021	2021	2021	
5°	2031	2094	2031	1646	2031	193
15°	1939	2075	1939	1732	1939	546
25°	1708	1935	1708	1694	1708	784
35°	1298	1727	1298	1474	1298	803
45°	838	1423	838	1249	838	671
55°	683	1050	683	1025	683	627
65°	474	633	474	708	474	453
75°	180	300	180	360	180	189
85°	31	76	31	65	31	41
90°	8	30	8	30	8	8
95°	76	349	76	349	76	85
105°	274	2378	274	2378	274	290
115°	486	3062	486	3062	486	480
125°	676	2439	676	2439	676	600
135°	806	1892	806	1892	806	623
145°	935	1535	935	1535	935	586
155°	1056	1322	1056	1322	1056	485
165°	1140	1231	1140	1231	1140	322
175°	1185	1193	1185	1193	1185	113
180°	1185	1185	1185	1185	1185	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2021.3	2021.3	2021.3	2021.3	2021.3	2021.3	2021.3	2021.3	2021.3	2021.3	2021.3
2.5°	2038.5	2038.5	2050.0	2053.8	2053.8	2048.1	2042.3	2048.1	2065.3	2071.0	2069.1
5°	2030.9	2046.2	2067.2	2071.0	2074.8	2072.9	2069.1	2072.9	2092.1	2095.9	2097.8
7.5°	2015.6	2044.2	2071.0	2076.8	2082.5	2076.8	2074.8	2078.7	2097.8	2101.6	2101.6
10°	1996.4	2036.6	2067.2	2071.0	2076.8	2071.0	2071.0	2078.7	2097.8	2101.6	2103.5
12.5°	1969.7	2025.1	2053.8	2057.6	2065.3	2063.4	2061.5	2069.1	2088.2	2092.1	2092.1
15°	1939.1	2004.1	2030.9	2034.7	2048.1	2044.2	2044.2	2051.9	2072.9	2078.7	2076.8
17.5°	1897.0	1977.3	2007.9	2013.6	2023.2	2021.3	2023.2	2030.9	2050.0	2053.8	2055.7
20°	1849.2	1941.0	1977.3	1983.0	1992.6	1992.6	1992.6	2002.2	2021.3	2028.9	2028.9
22.5°	1784.2	1902.7	1941.0	1944.8	1956.3	1956.3	1960.1	1973.5	1990.7	1992.6	1992.6
25°	1707.7	1860.7	1893.2	1904.6	1916.1	1921.9	1927.6	1935.2	1941.0	1939.1	1941.0
27.5°	1627.3	1807.1	1849.2	1856.8	1872.1	1877.9	1885.5	1887.4	1889.3	1895.1	1891.3
30°	1537.5	1732.5	1795.6	1803.3	1828.1	1832.0	1824.3	1828.1	1837.7	1841.5	1845.4
32.5°	1436.1	1621.6	1740.2	1757.4	1780.3	1768.9	1766.9	1772.7	1788.0	1788.0	1791.8
35°	1298.4	1535.6	1688.5	1703.8	1721.1	1707.7	1715.3	1717.2	1726.8	1732.5	1730.6
37.5°	1147.3	1461.0	1635.0	1646.5	1659.9	1642.6	1654.1	1659.9	1667.5	1663.7	1663.7
40°	1013.6	1344.3	1571.9	1579.5	1591.0	1577.6	1589.1	1592.9	1596.7	1592.9	1591.0
42.5°	914.1	1216.2	1505.0	1514.5	1506.9	1516.4	1520.3	1527.9	1522.2	1514.5	1514.5
45°	837.6	1181.8	1432.3	1443.8	1432.3	1447.6	1453.3	1453.3	1436.1	1432.3	1430.4
47.5°	812.8	1113.0	1359.6	1359.6	1353.9	1373.0	1382.6	1369.2	1352.0	1346.2	1346.2
50°	810.9	1036.5	1260.2	1252.5	1279.3	1302.2	1292.7	1279.3	1265.9	1244.9	1244.9
52.5°	736.3	942.8	1132.1	1160.7	1202.8	1216.2	1200.9	1187.5	1164.5	1155.0	1147.3
55°	682.7	845.3	1015.5	1072.8	1116.8	1134.0	1105.4	1092.0	1057.5	1051.8	1048.0
57.5°	671.2	703.8	908.4	981.1	1034.6	1032.7	1015.5	990.6	961.9	956.2	954.3
60°	615.8	508.7	793.6	879.7	935.2	929.4	914.1	891.2	864.4	860.6	856.7
62.5°	558.4	369.1	663.6	761.1	839.5	837.6	824.2	789.8	770.7	761.1	753.5
65°	474.3	309.8	472.4	633.0	745.8	749.7	721.0	696.1	675.1	663.6	661.7
67.5°	361.4	252.4	319.4	527.8	655.9	652.1	615.8	604.3	577.5	571.8	560.3
70°	267.7	168.3	221.8	428.4	568.0	558.4	529.7	516.3	491.5	478.1	470.4
72.5°	221.8	135.8	162.6	332.8	478.1	466.6	441.8	426.5	405.4	394.0	386.3
75°	179.8	143.4	124.3	246.7	388.2	380.6	357.6	342.3	325.1	309.8	311.7
77.5°	132.0	133.9	99.4	181.7	307.9	296.4	283.0	263.9	256.3	241.0	241.0
80°	99.4	105.2	74.6	124.3	221.8	221.8	210.4	197.0	183.6	175.9	175.9
82.5°	66.9	66.9	55.5	78.4	151.1	145.3	137.7	133.9	126.2	122.4	122.4
85°	30.6	38.2	34.4	47.8	82.2	86.1	86.1	82.2	80.3	76.5	78.4
87.5°	9.6	17.2	21.0	26.8	42.1	44.0	45.9	45.9	45.9	47.8	47.8
90°	7.9	14.3	20.7	22.3	35.0	51.9	60.4	53.7	40.3	30.2	30.2
92.5°	31.8	86.0	140.1	153.6	215.8	298.9	340.4	298.3	214.3	151.2	145.2
95°	76.4	175.4	274.3	299.1	531.1	840.4	995.1	888.0	673.7	513.1	494.9
97.5°	132.1	219.4	306.7	328.5	715.4	1231.2	1489.1	1421.4	1286.0	1184.4	1149.8
100°	175.0	254.2	333.4	353.2	782.5	1354.8	1641.0	1646.0	1655.8	1663.3	1622.0
102.5°	211.6	285.4	359.3	377.8	813.1	1393.7	1684.0	1770.2	1942.8	2072.2	2036.8
105°	273.7	336.2	398.7	414.4	836.0	1398.1	1679.2	1872.5	2259.3	2549.4	2530.4
107.5°	337.2	395.6	453.9	468.5	840.3	1335.9	1583.7	1853.5	2393.0	2797.5	2802.1
110°	380.2	432.9	485.6	498.8	833.9	1280.7	1504.2	1805.8	2408.8	2861.2	2881.0



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	422.4	472.6	522.8	535.4	834.2	1232.6	1431.8	1740.5	2357.7	2820.7	2851.1
115°	486.0	532.3	578.7	590.3	841.8	1177.4	1345.1	1642.5	2237.1	2683.1	2725.2
117.5°	548.9	590.9	633.0	643.5	857.5	1142.7	1285.4	1553.7	2090.4	2492.9	2539.6
120°	585.5	625.1	664.6	674.5	870.2	1131.2	1261.6	1506.8	1997.1	2364.9	2410.3
122.5°	621.2	661.2	701.2	711.1	888.5	1125.0	1243.2	1464.0	1905.6	2236.8	2281.7
125°	676.1	712.6	749.0	758.1	913.2	1120.0	1223.4	1411.0	1786.1	2067.4	2108.7
127.5°	720.7	757.4	794.2	803.4	937.8	1117.1	1206.7	1367.7	1689.8	1931.3	1966.1
130°	744.5	784.1	823.7	833.6	955.8	1118.8	1200.3	1343.6	1630.4	1845.5	1877.6
132.5°	769.2	808.7	848.3	858.3	970.4	1120.0	1194.8	1323.1	1579.7	1772.2	1801.0
135°	805.8	841.8	878.0	887.0	986.4	1118.9	1185.2	1292.7	1507.6	1668.8	1693.7
137.5°	843.2	878.8	914.6	923.5	1010.2	1125.8	1183.6	1274.4	1456.2	1592.4	1612.8
140°	874.2	907.0	939.9	948.2	1024.8	1127.0	1178.0	1256.5	1413.5	1531.2	1550.3
142.5°	898.1	928.5	958.9	966.4	1037.0	1131.0	1178.0	1247.0	1384.9	1488.3	1504.7
145°	934.7	961.2	987.7	994.3	1053.0	1131.1	1170.1	1226.5	1339.2	1423.9	1436.2
147.5°	971.2	997.0	1022.8	1029.3	1076.3	1138.8	1170.1	1214.5	1303.2	1369.7	1380.0
150°	995.1	1018.4	1041.8	1047.6	1088.4	1142.8	1170.1	1207.6	1282.5	1338.8	1347.1
152.5°	1019.8	1037.5	1055.2	1059.6	1096.4	1145.5	1170.1	1202.1	1266.1	1314.1	1320.4
155°	1056.3	1069.4	1082.5	1085.8	1113.9	1151.4	1170.1	1195.5	1246.5	1284.6	1288.8
157.5°	1083.4	1096.1	1108.9	1112.1	1131.4	1157.2	1170.1	1189.9	1229.5	1259.2	1262.1
160°	1101.7	1111.7	1121.5	1124.0	1139.4	1159.9	1170.1	1187.1	1221.1	1246.5	1248.2
162.5°	1120.0	1127.4	1134.9	1136.7	1147.8	1162.6	1170.1	1184.4	1213.0	1234.5	1236.2
165°	1139.9	1146.6	1153.3	1155.0	1160.1	1166.7	1170.1	1180.3	1200.9	1216.3	1218.0
167.5°	1158.1	1161.3	1164.5	1165.3	1169.5	1175.2	1178.0	1184.7	1198.2	1208.2	1208.9
170°	1170.1	1173.2	1176.5	1177.3	1177.6	1177.8	1178.0	1184.7	1198.2	1208.2	1208.2
172.5°	1176.5	1177.2	1177.8	1178.0	1178.0	1178.0	1178.0	1183.4	1194.0	1201.9	1201.4
175°	1185.2	1185.2	1185.2	1185.2	1182.8	1179.7	1178.0	1181.4	1188.1	1193.1	1193.1
177.5°	1185.2	1185.2	1185.2	1185.2	1183.4	1180.9	1179.7	1182.3	1187.6	1191.6	1190.9
180°	1185.2	1185.2	1185.2	1185.2	1185.2	1185.2	1185.2	1185.2	1185.2	1185.2	1185.2



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2021.3	2021.3	2021.3	2021.3	2021.3	2021.3	2021.3	2021.3	2021.3	2021.3	2021.3
2.5°	2072.9	2067.2	2072.9	2069.1	2071.0	2065.3	2048.1	2042.3	2048.1	2053.8	2053.8
5°	2097.8	2094.0	2097.8	2097.8	2095.9	2092.1	2072.9	2069.1	2072.9	2074.8	2071.0
7.5°	2105.4	2099.7	2105.4	2101.6	2101.6	2097.8	2078.7	2074.8	2076.8	2082.5	2076.8
10°	2105.4	2099.7	2105.4	2103.5	2101.6	2097.8	2078.7	2071.0	2071.0	2076.8	2071.0
12.5°	2095.9	2092.1	2095.9	2092.1	2092.1	2088.2	2069.1	2061.5	2063.4	2065.3	2057.6
15°	2080.6	2074.8	2080.6	2076.8	2078.7	2072.9	2051.9	2044.2	2044.2	2048.1	2034.7
17.5°	2057.6	2050.0	2057.6	2055.7	2053.8	2050.0	2030.9	2023.2	2021.3	2023.2	2013.6
20°	2030.9	2025.1	2030.9	2028.9	2028.9	2021.3	2002.2	1992.6	1992.6	1992.6	1983.0
22.5°	1988.8	1983.0	1988.8	1992.6	1992.6	1990.7	1973.5	1960.1	1956.3	1956.3	1944.8
25°	1941.0	1935.2	1941.0	1941.0	1939.1	1941.0	1935.2	1927.6	1921.9	1916.1	1904.6
27.5°	1895.1	1891.3	1895.1	1891.3	1895.1	1889.3	1887.4	1885.5	1877.9	1872.1	1856.8
30°	1849.2	1845.4	1849.2	1845.4	1841.5	1837.7	1828.1	1824.3	1832.0	1828.1	1803.3
32.5°	1791.8	1788.0	1791.8	1791.8	1788.0	1788.0	1772.7	1766.9	1768.9	1780.3	1757.4
35°	1732.5	1726.8	1732.5	1730.6	1732.5	1726.8	1717.2	1715.3	1707.7	1721.1	1703.8
37.5°	1663.7	1657.9	1663.7	1663.7	1663.7	1667.5	1659.9	1654.1	1642.6	1659.9	1646.5
40°	1592.9	1585.3	1592.9	1591.0	1592.9	1596.7	1592.9	1589.1	1577.6	1591.0	1579.5
42.5°	1512.6	1510.7	1512.6	1514.5	1514.5	1522.2	1527.9	1520.3	1516.4	1506.9	1514.5
45°	1426.5	1422.7	1426.5	1430.4	1432.3	1436.1	1453.3	1453.3	1447.6	1432.3	1443.8
47.5°	1334.7	1325.2	1334.7	1346.2	1346.2	1352.0	1369.2	1382.6	1373.0	1353.9	1359.6
50°	1237.2	1239.1	1237.2	1244.9	1244.9	1265.9	1279.3	1292.7	1302.2	1279.3	1252.5
52.5°	1141.6	1139.8	1141.6	1147.3	1155.0	1164.5	1187.5	1200.9	1216.2	1202.8	1160.7
55°	1046.1	1049.9	1046.1	1048.0	1051.8	1057.5	1092.0	1105.4	1134.0	1116.8	1072.8
57.5°	950.5	944.7	950.5	954.3	956.2	961.9	990.6	1015.5	1032.7	1034.6	981.1
60°	839.5	831.9	839.5	856.7	860.6	864.4	891.2	914.1	929.4	935.2	879.7
62.5°	742.0	728.6	742.0	753.5	761.1	770.7	789.8	824.2	837.6	839.5	761.1
65°	638.7	633.0	638.7	661.7	663.6	675.1	696.1	721.0	749.7	745.8	633.0
67.5°	545.0	545.0	545.0	560.3	571.8	577.5	604.3	615.8	652.1	655.9	527.8
70°	459.0	457.1	459.0	470.4	478.1	491.5	516.3	529.7	558.4	568.0	428.4
72.5°	376.7	374.8	376.7	386.3	394.0	405.4	426.5	441.8	466.6	478.1	332.8
75°	304.1	300.2	304.1	311.7	309.8	325.1	342.3	357.6	380.6	388.2	246.7
77.5°	233.3	233.3	233.3	241.0	241.0	256.3	263.9	283.0	296.4	307.9	181.7
80°	174.0	172.1	174.0	175.9	175.9	183.6	197.0	210.4	221.8	221.8	124.3
82.5°	122.4	118.6	122.4	122.4	122.4	126.2	133.9	137.7	145.3	151.1	78.4
85°	76.5	76.5	76.5	78.4	76.5	80.3	82.2	86.1	86.1	82.2	47.8
87.5°	49.7	47.8	49.7	47.8	47.8	45.9	45.9	45.9	44.0	42.1	26.8
90°	30.2	30.2	30.2	30.2	30.2	40.3	53.7	60.4	51.9	35.0	22.3
92.5°	121.1	97.1	121.1	145.2	151.2	214.3	298.3	340.4	298.9	215.8	153.6
95°	422.1	349.2	422.1	494.9	513.1	673.7	888.0	995.1	840.4	531.1	299.1
97.5°	1011.2	872.6	1011.2	1149.8	1184.4	1286.0	1421.4	1489.1	1231.2	715.4	328.5
100°	1457.0	1291.8	1457.0	1622.0	1663.3	1655.8	1646.0	1641.0	1354.8	782.5	353.2
102.5°	1895.4	1753.9	1895.4	2036.8	2072.2	1942.8	1770.2	1684.0	1393.7	813.1	377.8
105°	2454.4	2378.3	2454.4	2530.4	2549.4	2259.3	1872.5	1679.2	1398.1	836.0	414.4
107.5°	2820.6	2838.9	2820.6	2802.1	2797.5	2393.0	1853.5	1583.7	1335.9	840.3	468.5
110°	2960.2	3039.4	2960.2	2881.0	2861.2	2408.8	1805.8	1504.2	1280.7	833.9	498.8



TEST NUMBER: P935148

CATALOG NUMBER: SQ4-FA-100U-075D-92765-1D-UNV-STD-W-8-6500K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2972.6	3094.2	2972.6	2851.1	2820.7	2357.7	1740.5	1431.8	1232.6	834.2	535.4
115°	2893.8	3062.5	2893.8	2725.2	2683.1	2237.1	1642.5	1345.1	1177.4	841.8	590.3
117.5°	2726.7	2913.7	2726.7	2539.6	2492.9	2090.4	1553.7	1285.4	1142.7	857.5	643.5
120°	2592.0	2773.7	2592.0	2410.3	2364.9	1997.1	1506.8	1261.6	1131.2	870.2	674.5
122.5°	2460.9	2640.0	2460.9	2281.7	2236.8	1905.6	1464.0	1243.2	1125.0	888.5	711.1
125°	2273.7	2438.9	2273.7	2108.7	2067.4	1786.1	1411.0	1223.4	1120.0	913.2	758.1
127.5°	2105.4	2244.8	2105.4	1966.1	1931.3	1689.8	1367.7	1206.7	1117.1	937.8	803.4
130°	2006.3	2135.0	2006.3	1877.6	1845.5	1630.4	1343.6	1200.3	1118.8	955.8	833.6
132.5°	1916.3	2031.5	1916.3	1801.0	1772.2	1579.7	1323.1	1194.8	1120.0	970.4	858.3
135°	1793.1	1892.4	1793.1	1693.7	1668.8	1507.6	1292.7	1185.2	1118.9	986.4	887.0
137.5°	1694.1	1775.5	1694.1	1612.8	1592.4	1456.2	1274.4	1183.6	1125.8	1010.2	923.5
140°	1626.2	1702.2	1626.2	1550.3	1531.2	1413.5	1256.5	1178.0	1127.0	1024.8	948.2
142.5°	1570.1	1635.5	1570.1	1504.7	1488.3	1384.9	1247.0	1178.0	1131.0	1037.0	966.4
145°	1485.7	1535.2	1485.7	1436.2	1423.9	1339.2	1226.5	1170.1	1131.1	1053.0	994.3
147.5°	1421.0	1462.0	1421.0	1380.0	1369.7	1303.2	1214.5	1170.1	1138.8	1076.3	1029.3
150°	1380.3	1413.5	1380.3	1347.1	1338.8	1282.5	1207.6	1170.1	1142.8	1088.4	1047.6
152.5°	1345.5	1370.5	1345.5	1320.4	1314.1	1266.1	1202.1	1170.1	1145.5	1096.4	1059.6
155°	1305.4	1322.0	1305.4	1288.8	1284.6	1246.5	1195.5	1170.1	1151.4	1113.9	1085.8
157.5°	1273.7	1285.4	1273.7	1262.1	1259.2	1229.5	1189.9	1170.1	1157.2	1131.4	1112.1
160°	1254.9	1261.6	1254.9	1248.2	1246.5	1221.1	1187.1	1170.1	1159.9	1139.4	1124.0
162.5°	1242.5	1248.9	1242.5	1236.2	1234.5	1213.0	1184.4	1170.1	1162.6	1147.8	1136.7
165°	1224.7	1231.4	1224.7	1218.0	1216.3	1200.9	1180.3	1170.1	1166.7	1160.1	1155.0
167.5°	1211.8	1214.7	1211.8	1208.9	1208.2	1198.2	1184.7	1178.0	1175.2	1169.5	1165.3
170°	1208.2	1208.2	1208.2	1208.2	1208.2	1198.2	1184.7	1178.0	1177.8	1177.6	1177.3
172.5°	1198.9	1196.4	1198.9	1201.4	1201.9	1194.0	1183.4	1178.0	1178.0	1178.0	1178.0
175°	1193.1	1193.1	1193.1	1193.1	1193.1	1188.1	1181.4	1178.0	1179.7	1182.8	1185.2
177.5°	1188.1	1185.2	1188.1	1190.9	1191.6	1187.6	1182.3	1179.7	1180.9	1183.4	1185.2
180°	1185.2	1185.2	1185.2	1185.2	1185.2	1185.2	1185.2	1185.2	1185.2	1185.2	1185.2



TEST NUMBER: P935148

CATALOG NUMBER: SQ4-FA-100U-075D-92765-1D-UNV-STD-W-8-6500K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2021.3	2021.3	2021.3	2021.3	2021.3	2021.3	2021.3	2021.3	2021.3	2021.3	2021.3
2.5°	2050.0	2038.5	2038.5	2019.4	2011.7	2006.0	1996.4	1967.7	1960.1	1952.5	1963.9
5°	2067.2	2046.2	2030.9	1996.4	1967.7	1956.3	1919.9	1851.1	1805.2	1770.8	1751.6
7.5°	2071.0	2044.2	2015.6	1962.0	1893.2	1862.6	1751.6	1625.4	1591.0	1560.4	1541.3
10°	2067.2	2036.6	1996.4	1916.1	1753.6	1700.0	1589.1	1506.9	1485.8	1480.1	1485.8
12.5°	2053.8	2025.1	1969.7	1835.8	1608.2	1571.9	1506.9	1459.1	1455.2	1464.8	1516.4
15°	2030.9	2004.1	1939.1	1728.7	1527.9	1501.1	1455.2	1438.0	1459.1	1526.0	1680.9
17.5°	2007.9	1977.3	1897.0	1623.5	1466.7	1447.6	1415.1	1449.5	1568.1	1657.9	1709.6
20°	1977.3	1941.0	1849.2	1547.0	1422.7	1405.5	1390.2	1545.1	1635.0	1667.5	1696.2
22.5°	1941.0	1902.7	1784.2	1493.5	1376.8	1363.4	1373.0	1598.7	1635.0	1657.9	1682.8
25°	1893.2	1860.7	1707.7	1451.4	1340.5	1325.2	1361.5	1592.9	1614.0	1619.7	1669.4
27.5°	1849.2	1807.1	1627.3	1413.2	1296.5	1290.8	1371.1	1568.1	1583.4	1589.1	1642.6
30°	1795.6	1732.5	1537.5	1373.0	1250.6	1248.7	1373.0	1537.5	1533.6	1548.9	1602.5
32.5°	1740.2	1621.6	1436.1	1323.3	1206.6	1204.7	1359.6	1491.6	1487.7	1508.8	1548.9
35°	1688.5	1535.6	1298.4	1265.9	1151.2	1153.1	1327.1	1438.0	1439.9	1459.1	1483.9
37.5°	1635.0	1461.0	1147.3	1202.8	1097.7	1097.7	1283.1	1388.3	1384.5	1390.2	1424.6
40°	1571.9	1344.3	1013.6	1120.7	1048.0	1042.3	1229.6	1334.7	1321.4	1319.5	1367.3
42.5°	1505.0	1216.2	914.1	1011.7	990.6	983.0	1164.5	1269.7	1244.9	1250.6	1311.8
45°	1432.3	1181.8	837.6	854.8	931.3	925.6	1093.9	1195.1	1177.9	1193.2	1256.3
47.5°	1359.6	1113.0	812.8	709.5	868.2	866.3	1015.5	1122.6	1113.0	1128.3	1195.1
50°	1260.2	1036.5	810.9	608.1	797.5	805.1	921.8	1051.8	1051.8	1065.2	1136.0
52.5°	1132.1	942.8	736.3	550.8	715.2	738.2	839.5	990.6	994.4	1007.8	1070.9
55°	1015.5	845.3	682.7	506.8	617.7	667.4	759.2	927.5	935.2	948.5	1005.9
57.5°	908.4	703.8	671.2	455.1	527.8	575.6	688.5	866.3	870.1	881.6	937.1
60°	793.6	508.7	615.8	399.7	449.4	485.7	623.4	793.6	807.0	814.7	862.5
62.5°	663.6	369.1	558.4	361.4	411.2	418.8	569.9	724.8	742.0	747.7	776.4
65°	472.4	309.8	474.3	328.9	371.0	372.9	512.5	654.0	669.3	678.9	699.9
67.5°	319.4	252.4	361.4	298.3	340.4	342.3	457.1	571.8	592.8	600.5	613.9
70°	221.8	168.3	267.7	265.8	306.0	309.8	397.8	497.2	516.3	522.1	529.7
72.5°	162.6	135.8	221.8	239.0	269.6	273.5	336.6	413.1	432.2	437.9	441.8
75°	124.3	143.4	179.8	208.5	229.5	231.4	275.4	336.6	350.0	353.8	355.7
77.5°	99.4	133.9	132.0	168.3	187.4	183.6	216.1	260.1	271.6	271.6	271.6
80°	74.6	105.2	99.4	120.5	137.7	133.9	154.9	185.5	189.3	193.2	191.2
82.5°	55.5	66.9	66.9	76.5	91.8	88.0	103.3	120.5	120.5	120.5	124.3
85°	34.4	38.2	30.6	40.2	51.6	49.7	57.4	65.0	66.9	66.9	63.1
87.5°	21.0	17.2	9.6	15.3	22.9	22.9	26.8	28.7	26.8	26.8	26.8
90°	20.7	14.3	7.9	14.3	20.7	22.3	35.0	51.9	60.4	53.7	40.3
92.5°	140.1	86.0	31.8	86.0	140.1	153.6	215.8	298.9	340.4	298.3	214.3
95°	274.3	175.4	76.4	175.4	274.3	299.1	531.1	840.4	995.1	888.0	673.7
97.5°	306.7	219.4	132.1	219.4	306.7	328.5	715.4	1231.2	1489.1	1421.4	1286.0
100°	333.4	254.2	175.0	254.2	333.4	353.2	782.5	1354.8	1641.0	1646.0	1655.8
102.5°	359.3	285.4	211.6	285.4	359.3	377.8	813.1	1393.7	1684.0	1770.2	1942.8
105°	398.7	336.2	273.7	336.2	398.7	414.4	836.0	1398.1	1679.2	1872.5	2259.3
107.5°	453.9	395.6	337.2	395.6	453.9	468.5	840.3	1335.9	1583.7	1853.5	2393.0
110°	485.6	432.9	380.2	432.9	485.6	498.8	833.9	1280.7	1504.2	1805.8	2408.8



TEST NUMBER: P935148

CATALOG NUMBER: SQ4-FA-100U-075D-92765-1D-UNV-STD-W-8-6500K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	522.8	472.6	422.4	472.6	522.8	535.4	834.2	1232.6	1431.8	1740.5	2357.7
115°	578.7	532.3	486.0	532.3	578.7	590.3	841.8	1177.4	1345.1	1642.5	2237.1
117.5°	633.0	590.9	548.9	590.9	633.0	643.5	857.5	1142.7	1285.4	1553.7	2090.4
120°	664.6	625.1	585.5	625.1	664.6	674.5	870.2	1131.2	1261.6	1506.8	1997.1
122.5°	701.2	661.2	621.2	661.2	701.2	711.1	888.5	1125.0	1243.2	1464.0	1905.6
125°	749.0	712.6	676.1	712.6	749.0	758.1	913.2	1120.0	1223.4	1411.0	1786.1
127.5°	794.2	757.4	720.7	757.4	794.2	803.4	937.8	1117.1	1206.7	1367.7	1689.8
130°	823.7	784.1	744.5	784.1	823.7	833.6	955.8	1118.8	1200.3	1343.6	1630.4
132.5°	848.3	808.7	769.2	808.7	848.3	858.3	970.4	1120.0	1194.8	1323.1	1579.7
135°	878.0	841.8	805.8	841.8	878.0	887.0	986.4	1118.9	1185.2	1292.7	1507.6
137.5°	914.6	878.8	843.2	878.8	914.6	923.5	1010.2	1125.8	1183.6	1274.4	1456.2
140°	939.9	907.0	874.2	907.0	939.9	948.2	1024.8	1127.0	1178.0	1256.5	1413.5
142.5°	958.9	928.5	898.1	928.5	958.9	966.4	1037.0	1131.0	1178.0	1247.0	1384.9
145°	987.7	961.2	934.7	961.2	987.7	994.3	1053.0	1131.1	1170.1	1226.5	1339.2
147.5°	1022.8	997.0	971.2	997.0	1022.8	1029.3	1076.3	1138.8	1170.1	1214.5	1303.2
150°	1041.8	1018.4	995.1	1018.4	1041.8	1047.6	1088.4	1142.8	1170.1	1207.6	1282.5
152.5°	1055.2	1037.5	1019.8	1037.5	1055.2	1059.6	1096.4	1145.5	1170.1	1202.1	1266.1
155°	1082.5	1069.4	1056.3	1069.4	1082.5	1085.8	1113.9	1151.4	1170.1	1195.5	1246.5
157.5°	1108.9	1096.1	1083.4	1096.1	1108.9	1112.1	1131.4	1157.2	1170.1	1189.9	1229.5
160°	1121.5	1111.7	1101.7	1111.7	1121.5	1124.0	1139.4	1159.9	1170.1	1187.1	1221.1
162.5°	1134.9	1127.4	1120.0	1127.4	1134.9	1136.7	1147.8	1162.6	1170.1	1184.4	1213.0
165°	1153.3	1146.6	1139.9	1146.6	1153.3	1155.0	1160.1	1166.7	1170.1	1180.3	1200.9
167.5°	1164.5	1161.3	1158.1	1161.3	1164.5	1165.3	1169.5	1175.2	1178.0	1184.7	1198.2
170°	1176.5	1173.2	1170.1	1173.2	1176.5	1177.3	1177.6	1177.8	1178.0	1184.7	1198.2
172.5°	1177.8	1177.2	1176.5	1177.2	1177.8	1178.0	1178.0	1178.0	1178.0	1183.4	1194.0
175°	1185.2	1185.2	1185.2	1185.2	1185.2	1185.2	1182.8	1179.7	1178.0	1181.4	1188.1
177.5°	1185.2	1185.2	1185.2	1185.2	1185.2	1185.2	1183.4	1180.9	1179.7	1182.3	1187.6
180°	1185.2	1185.2	1185.2	1185.2	1185.2	1185.2	1185.2	1185.2	1185.2	1185.2	1185.2



TEST NUMBER: P935148

CATALOG NUMBER: SQ4-FA-100U-075D-92765-1D-UNV-STD-W-8-6500K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2021.3	2021.3	2021.3	2021.3	2021.3	2021.3	2021.3	2021.3	2021.3	2021.3	2021.3
2.5°	1950.5	1944.8	1952.5	1931.4	1952.5	1944.8	1950.5	1963.9	1952.5	1960.1	1967.7
5°	1711.5	1701.9	1671.3	1646.5	1671.3	1701.9	1711.5	1751.6	1770.8	1805.2	1851.1
7.5°	1529.8	1522.2	1514.5	1499.2	1514.5	1522.2	1529.8	1541.3	1560.4	1591.0	1625.4
10°	1489.7	1491.6	1503.0	1501.1	1503.0	1491.6	1489.7	1485.8	1480.1	1485.8	1506.9
12.5°	1592.9	1610.1	1673.2	1669.4	1673.2	1610.1	1592.9	1516.4	1464.8	1455.2	1459.1
15°	1711.5	1717.2	1730.6	1732.5	1730.6	1717.2	1711.5	1680.9	1526.0	1459.1	1438.0
17.5°	1723.0	1724.9	1734.4	1734.4	1734.4	1724.9	1723.0	1709.6	1657.9	1568.1	1449.5
20°	1713.4	1717.2	1736.4	1740.2	1736.4	1717.2	1713.4	1696.2	1667.5	1635.0	1545.1
22.5°	1709.6	1717.2	1732.5	1730.6	1732.5	1717.2	1709.6	1682.8	1657.9	1635.0	1598.7
25°	1690.5	1690.5	1692.4	1694.3	1692.4	1690.5	1690.5	1669.4	1619.7	1614.0	1592.9
27.5°	1650.3	1654.1	1665.6	1663.7	1665.6	1654.1	1650.3	1642.6	1589.1	1583.4	1568.1
30°	1614.0	1610.1	1600.6	1592.9	1600.6	1610.1	1614.0	1602.5	1548.9	1533.6	1537.5
32.5°	1552.8	1543.2	1533.6	1527.9	1533.6	1543.2	1552.8	1548.9	1508.8	1487.7	1491.6
35°	1480.1	1482.0	1480.1	1474.4	1480.1	1482.0	1480.1	1483.9	1459.1	1439.9	1438.0
37.5°	1428.5	1432.3	1430.4	1422.7	1430.4	1432.3	1428.5	1424.6	1390.2	1384.5	1388.3
40°	1374.9	1376.8	1374.9	1369.2	1374.9	1376.8	1374.9	1367.3	1319.5	1321.4	1334.7
42.5°	1323.3	1321.4	1315.6	1311.8	1315.6	1321.4	1323.3	1311.8	1250.6	1244.9	1269.7
45°	1264.0	1265.9	1254.4	1248.7	1254.4	1265.9	1264.0	1256.3	1193.2	1177.9	1195.1
47.5°	1204.7	1204.7	1195.1	1189.4	1195.1	1204.7	1204.7	1195.1	1128.3	1113.0	1122.6
50°	1141.6	1139.8	1126.4	1124.5	1126.4	1139.8	1141.6	1136.0	1065.2	1051.8	1051.8
52.5°	1069.0	1069.0	1070.9	1074.8	1070.9	1069.0	1069.0	1070.9	1007.8	994.4	990.6
55°	1005.9	1007.8	1021.2	1025.0	1021.2	1007.8	1005.9	1005.9	948.5	935.2	927.5
57.5°	940.9	940.9	950.5	950.5	950.5	940.9	940.9	937.1	881.6	870.1	866.3
60°	866.3	870.1	877.8	875.9	877.8	870.1	866.3	862.5	814.7	807.0	793.6
62.5°	787.9	791.7	793.6	789.8	793.6	791.7	787.9	776.4	747.7	742.0	724.8
65°	705.7	709.5	711.4	707.6	711.4	709.5	705.7	699.9	678.9	669.3	654.0
67.5°	621.5	619.6	617.7	625.4	617.7	619.6	621.5	613.9	600.5	592.8	571.8
70°	535.5	535.5	533.6	537.4	533.6	535.5	535.5	529.7	522.1	516.3	497.2
72.5°	443.7	441.8	449.4	443.7	449.4	441.8	443.7	441.8	437.9	432.2	413.1
75°	353.8	357.6	353.8	359.5	353.8	357.6	353.8	355.7	353.8	350.0	336.6
77.5°	269.6	273.5	269.6	269.6	269.6	273.5	269.6	271.6	271.6	271.6	260.1
80°	191.2	189.3	189.3	187.4	189.3	189.3	191.2	191.2	193.2	189.3	185.5
82.5°	122.4	120.5	120.5	124.3	120.5	120.5	122.4	124.3	120.5	120.5	120.5
85°	66.9	68.8	65.0	65.0	65.0	68.8	66.9	63.1	66.9	66.9	65.0
87.5°	24.9	22.9	22.9	22.9	22.9	22.9	24.9	26.8	26.8	26.8	28.7
90°	30.2	30.2	30.2	30.2	30.2	30.2	30.2	40.3	53.7	60.4	51.9
92.5°	151.2	145.2	121.1	97.1	121.1	145.2	151.2	214.3	298.3	340.4	298.9
95°	513.1	494.9	422.1	349.2	422.1	494.9	513.1	673.7	888.0	995.1	840.4
97.5°	1184.4	1149.8	1011.2	872.6	1011.2	1149.8	1184.4	1286.0	1421.4	1489.1	1231.2
100°	1663.3	1622.0	1457.0	1291.8	1457.0	1622.0	1663.3	1655.8	1646.0	1641.0	1354.8
102.5°	2072.2	2036.8	1895.4	1753.9	1895.4	2036.8	2072.2	1942.8	1770.2	1684.0	1393.7
105°	2549.4	2530.4	2454.4	2378.3	2454.4	2530.4	2549.4	2259.3	1872.5	1679.2	1398.1
107.5°	2797.5	2802.1	2820.6	2838.9	2820.6	2802.1	2797.5	2393.0	1853.5	1583.7	1335.9
110°	2861.2	2881.0	2960.2	3039.4	2960.2	2881.0	2861.2	2408.8	1805.8	1504.2	1280.7



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2820.7	2851.1	2972.6	3094.2	2972.6	2851.1	2820.7	2357.7	1740.5	1431.8	1232.6
115°	2683.1	2725.2	2893.8	3062.5	2893.8	2725.2	2683.1	2237.1	1642.5	1345.1	1177.4
117.5°	2492.9	2539.6	2726.7	2913.7	2726.7	2539.6	2492.9	2090.4	1553.7	1285.4	1142.7
120°	2364.9	2410.3	2592.0	2773.7	2592.0	2410.3	2364.9	1997.1	1506.8	1261.6	1131.2
122.5°	2236.8	2281.7	2460.9	2640.0	2460.9	2281.7	2236.8	1905.6	1464.0	1243.2	1125.0
125°	2067.4	2108.7	2273.7	2438.9	2273.7	2108.7	2067.4	1786.1	1411.0	1223.4	1120.0
127.5°	1931.3	1966.1	2105.4	2244.8	2105.4	1966.1	1931.3	1689.8	1367.7	1206.7	1117.1
130°	1845.5	1877.6	2006.3	2135.0	2006.3	1877.6	1845.5	1630.4	1343.6	1200.3	1118.8
132.5°	1772.2	1801.0	1916.3	2031.5	1916.3	1801.0	1772.2	1579.7	1323.1	1194.8	1120.0
135°	1668.8	1693.7	1793.1	1892.4	1793.1	1693.7	1668.8	1507.6	1292.7	1185.2	1118.9
137.5°	1592.4	1612.8	1694.1	1775.5	1694.1	1612.8	1592.4	1456.2	1274.4	1183.6	1125.8
140°	1531.2	1550.3	1626.2	1702.2	1626.2	1550.3	1531.2	1413.5	1256.5	1178.0	1127.0
142.5°	1488.3	1504.7	1570.1	1635.5	1570.1	1504.7	1488.3	1384.9	1247.0	1178.0	1131.0
145°	1423.9	1436.2	1485.7	1535.2	1485.7	1436.2	1423.9	1339.2	1226.5	1170.1	1131.1
147.5°	1369.7	1380.0	1421.0	1462.0	1421.0	1380.0	1369.7	1303.2	1214.5	1170.1	1138.8
150°	1338.8	1347.1	1380.3	1413.5	1380.3	1347.1	1338.8	1282.5	1207.6	1170.1	1142.8
152.5°	1314.1	1320.4	1345.5	1370.5	1345.5	1320.4	1314.1	1266.1	1202.1	1170.1	1145.5
155°	1284.6	1288.8	1305.4	1322.0	1305.4	1288.8	1284.6	1246.5	1195.5	1170.1	1151.4
157.5°	1259.2	1262.1	1273.7	1285.4	1273.7	1262.1	1259.2	1229.5	1189.9	1170.1	1157.2
160°	1246.5	1248.2	1254.9	1261.6	1254.9	1248.2	1246.5	1221.1	1187.1	1170.1	1159.9
162.5°	1234.5	1236.2	1242.5	1248.9	1242.5	1236.2	1234.5	1213.0	1184.4	1170.1	1162.6
165°	1216.3	1218.0	1224.7	1231.4	1224.7	1218.0	1216.3	1200.9	1180.3	1170.1	1166.7
167.5°	1208.2	1208.9	1211.8	1214.7	1211.8	1208.9	1208.2	1198.2	1184.7	1178.0	1175.2
170°	1208.2	1208.2	1208.2	1208.2	1208.2	1208.2	1208.2	1198.2	1184.7	1178.0	1177.8
172.5°	1201.9	1201.4	1198.9	1196.4	1198.9	1201.4	1201.9	1194.0	1183.4	1178.0	1178.0
175°	1193.1	1193.1	1193.1	1193.1	1193.1	1193.1	1193.1	1188.1	1181.4	1178.0	1179.7
177.5°	1191.6	1190.9	1188.1	1185.2	1188.1	1190.9	1191.6	1187.6	1182.3	1179.7	1180.9
180°	1185.2	1185.2	1185.2	1185.2	1185.2	1185.2	1185.2	1185.2	1185.2	1185.2	1185.2



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	2021.3	2021.3	2021.3	2021.3	2021.3
2.5°	1996.4	2006.0	2011.7	2019.4	2038.5
5°	1919.9	1956.3	1967.7	1996.4	2030.9
7.5°	1751.6	1862.6	1893.2	1962.0	2015.6
10°	1589.1	1700.0	1753.6	1916.1	1996.4
12.5°	1506.9	1571.9	1608.2	1835.8	1969.7
15°	1455.2	1501.1	1527.9	1728.7	1939.1
17.5°	1415.1	1447.6	1466.7	1623.5	1897.0
20°	1390.2	1405.5	1422.7	1547.0	1849.2
22.5°	1373.0	1363.4	1376.8	1493.5	1784.2
25°	1361.5	1325.2	1340.5	1451.4	1707.7
27.5°	1371.1	1290.8	1296.5	1413.2	1627.3
30°	1373.0	1248.7	1250.6	1373.0	1537.5
32.5°	1359.6	1204.7	1206.6	1323.3	1436.1
35°	1327.1	1153.1	1151.2	1265.9	1298.4
37.5°	1283.1	1097.7	1097.7	1202.8	1147.3
40°	1229.6	1042.3	1048.0	1120.7	1013.6
42.5°	1164.5	983.0	990.6	1011.7	914.1
45°	1093.9	925.6	931.3	854.8	837.6
47.5°	1015.5	866.3	868.2	709.5	812.8
50°	921.8	805.1	797.5	608.1	810.9
52.5°	839.5	738.2	715.2	550.8	736.3
55°	759.2	667.4	617.7	506.8	682.7
57.5°	688.5	575.6	527.8	455.1	671.2
60°	623.4	485.7	449.4	399.7	615.8
62.5°	569.9	418.8	411.2	361.4	558.4
65°	512.5	372.9	371.0	328.9	474.3
67.5°	457.1	342.3	340.4	298.3	361.4
70°	397.8	309.8	306.0	265.8	267.7
72.5°	336.6	273.5	269.6	239.0	221.8
75°	275.4	231.4	229.5	208.5	179.8
77.5°	216.1	183.6	187.4	168.3	132.0
80°	154.9	133.9	137.7	120.5	99.4
82.5°	103.3	88.0	91.8	76.5	66.9
85°	57.4	49.7	51.6	40.2	30.6
87.5°	26.8	22.9	22.9	15.3	9.6
90°	35.0	22.3	20.7	14.3	7.9
92.5°	215.8	153.6	140.1	86.0	31.8
95°	531.1	299.1	274.3	175.4	76.4
97.5°	715.4	328.5	306.7	219.4	132.1
100°	782.5	353.2	333.4	254.2	175.0
102.5°	813.1	377.8	359.3	285.4	211.6
105°	836.0	414.4	398.7	336.2	273.7
107.5°	840.3	468.5	453.9	395.6	337.2
110°	833.9	498.8	485.6	432.9	380.2



TEST NUMBER: P935148

CATALOG NUMBER: SQ4-FA-100U-075D-92765-1D-UNV-STD-W-8-6500K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	834.2	535.4	522.8	472.6	422.4
115°	841.8	590.3	578.7	532.3	486.0
117.5°	857.5	643.5	633.0	590.9	548.9
120°	870.2	674.5	664.6	625.1	585.5
122.5°	888.5	711.1	701.2	661.2	621.2
125°	913.2	758.1	749.0	712.6	676.1
127.5°	937.8	803.4	794.2	757.4	720.7
130°	955.8	833.6	823.7	784.1	744.5
132.5°	970.4	858.3	848.3	808.7	769.2
135°	986.4	887.0	878.0	841.8	805.8
137.5°	1010.2	923.5	914.6	878.8	843.2
140°	1024.8	948.2	939.9	907.0	874.2
142.5°	1037.0	966.4	958.9	928.5	898.1
145°	1053.0	994.3	987.7	961.2	934.7
147.5°	1076.3	1029.3	1022.8	997.0	971.2
150°	1088.4	1047.6	1041.8	1018.4	995.1
152.5°	1096.4	1059.6	1055.2	1037.5	1019.8
155°	1113.9	1085.8	1082.5	1069.4	1056.3
157.5°	1131.4	1112.1	1108.9	1096.1	1083.4
160°	1139.4	1124.0	1121.5	1111.7	1101.7
162.5°	1147.8	1136.7	1134.9	1127.4	1120.0
165°	1160.1	1155.0	1153.3	1146.6	1139.9
167.5°	1169.5	1165.3	1164.5	1161.3	1158.1
170°	1177.6	1177.3	1176.5	1173.2	1170.1
172.5°	1178.0	1178.0	1177.8	1177.2	1176.5
175°	1182.8	1185.2	1185.2	1185.2	1185.2
177.5°	1183.4	1185.2	1185.2	1185.2	1185.2
180°	1185.2	1185.2	1185.2	1185.2	1185.2



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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	11.65	12.43	12.68	13.47	14.87	14.48	15.27	15.52	16.31	17.71
	3H	12.12	12.82	13.16	13.87	15.29	15.82	16.53	16.87	17.58	18.99
	4H	12.30	12.97	13.36	14.02	15.45	16.27	16.93	17.32	17.98	19.41
	6H	12.42	13.03	13.48	14.09	15.52	16.55	17.16	17.62	18.22	19.66
	8H	12.42	13.00	13.49	14.07	15.50	16.62	17.20	17.69	18.28	19.71
	12H	12.39	12.94	13.46	14.00	15.46	16.66	17.21	17.74	18.28	19.74
4H	2H	12.67	13.33	13.73	14.39	15.81	14.88	15.55	15.94	16.60	18.02
	3H	13.69	14.24	14.76	15.32	16.76	16.38	16.94	17.45	18.02	19.46
	4H	13.96	14.47	15.04	15.54	17.00	16.91	17.42	17.99	18.49	19.95
	6H	14.08	14.52	15.17	15.61	17.07	17.27	17.71	18.36	18.80	20.26
	8H	14.09	14.49	15.17	15.58	17.05	17.38	17.78	18.46	18.87	20.34
	12H	14.05	14.42	15.15	15.52	16.99	17.43	17.80	18.54	18.90	20.38
8H	4H	14.41	14.82	15.50	15.90	17.37	17.03	17.43	18.11	18.52	19.99
	6H	14.67	15.00	15.78	16.13	17.60	17.46	17.80	18.57	18.93	20.39
	8H	14.71	15.01	15.83	16.12	17.60	17.61	17.91	18.73	19.02	20.51
	12H	14.69	14.95	15.81	16.06	17.58	17.71	17.97	18.83	19.08	20.60
12H	4H	14.41	14.78	15.52	15.88	17.36	16.99	17.36	18.09	18.45	19.93
	6H	14.73	15.02	15.84	16.13	17.62	17.46	17.75	18.57	18.86	20.35
	8H	14.79	15.05	15.91	16.16	17.68	17.62	17.88	18.74	18.98	20.51