

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: P936064

Luminaire Tested: SQ4-FA-150U-100D-93050-1D-UNV-STD-W-6-5000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P936064
REPORT IS A COMBINATION OF REPORTS P933779 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-150U-100D-93050-1D-UNV-STD-W-6-5000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

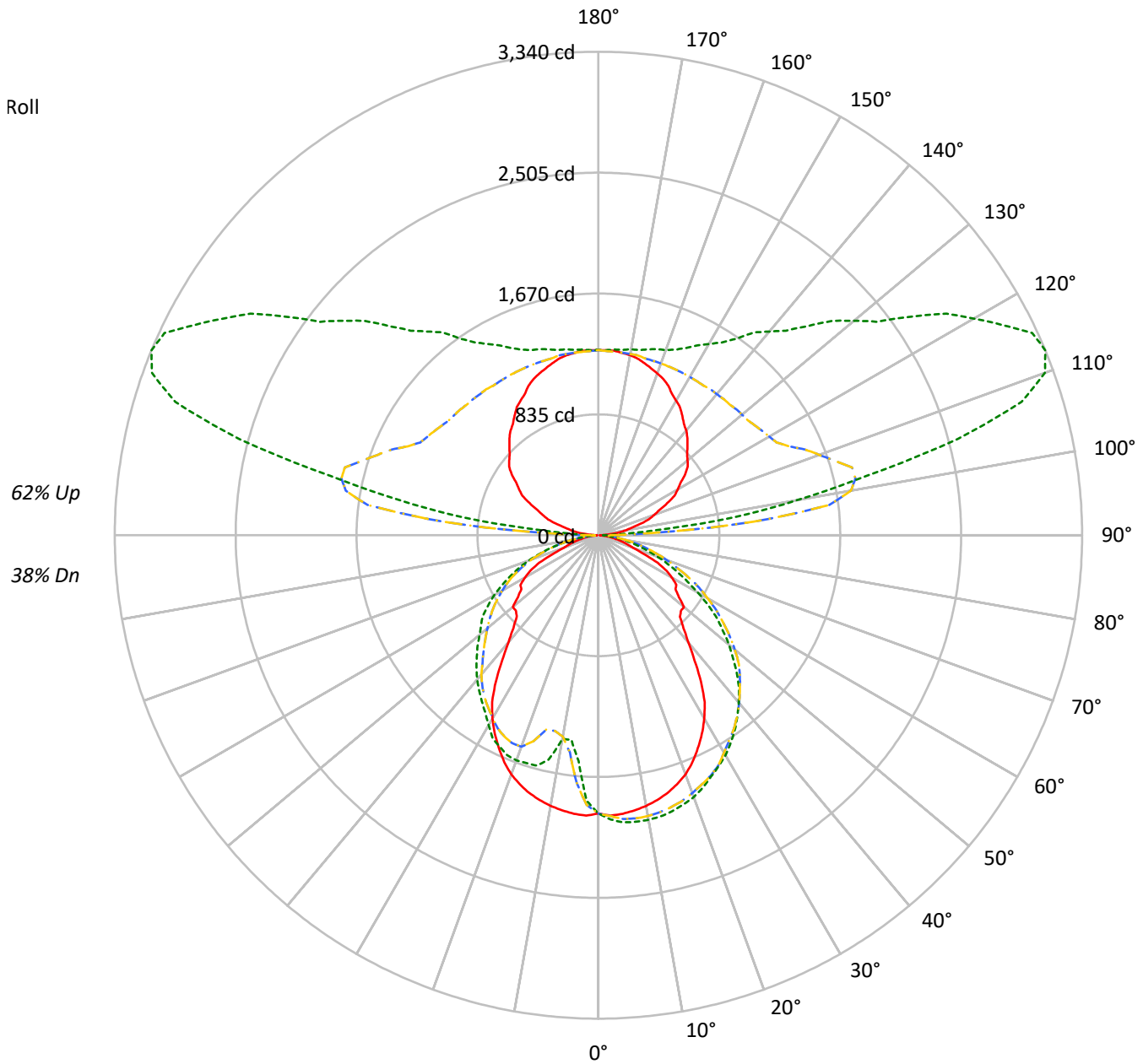
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13281.8 lumens
Efficiency: N/A
Efficacy: 122.3 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 6' x H: 0.1')
CIE Type: Semi-Indirect

Input Watts (W): 108.6
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	0
RCR																		
0	104	104	104	104	94	94	94	94	76	76	76	60	60	60	45	45	45	38
1	95	91	87	84	86	83	79	76	67	65	63	53	51	50	40	39	38	32
2	87	79	73	68	78	72	67	63	59	55	52	46	44	42	35	33	32	27
3	79	70	62	57	71	63	57	52	52	47	44	41	38	35	31	29	27	23
4	72	62	54	48	65	56	49	44	46	41	37	36	33	30	28	25	23	19
5	66	55	47	41	60	50	43	38	41	36	32	33	29	26	25	22	20	17
6	61	49	41	35	55	45	38	33	37	32	28	29	26	23	22	20	18	15
7	56	44	36	31	51	40	34	29	33	28	24	27	23	20	20	18	16	13
8	52	40	32	27	47	37	30	25	30	25	21	24	21	18	19	16	14	12
9	48	36	29	24	44	33	27	22	28	23	19	22	19	16	17	15	13	10
10	45	33	26	21	41	31	24	20	25	21	17	21	17	14	16	13	11	9

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	11891	11891	11891	11891
5°	11976	12003	11976	9439
10°	11891	11824	11891	8454
15°	11757	11568	11757	9659
20°	11507	11265	11507	9680
25°	10999	10822	10999	9475
30°	10345	10454	10345	9024
35°	9218	9989	9218	8529
40°	7677	9442	7677	8155
45°	6855	8802	6855	7725
50°	7276	8038	7276	7294
55°	6840	7215	6840	7044
60°	7042	6128	7042	6452
65°	6374	5065	6374	5662
70°	4403	4036	4403	4746
75°	3848	2984	3848	3573
80°	3076	1973	3076	2148
85°	1735	1046	1735	889

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 10512 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	173.5	1.3
10°-20°	492.7	3.7
20°-30°	761.6	5.7
30°-40°	909.1	6.8
40°-50°	914.5	6.9
50°-60°	795.7	6.0
60°-70°	564.2	4.2
70°-80°	298.5	2.2
80°-90°	79.2	0.6
90°-100°	623.6	4.7
100°-110°	1639.4	12.3
110°-120°	1699.9	12.8
120°-130°	1363.5	10.3
130°-140°	1069.9	8.1
140°-150°	821.2	6.2
150°-160°	591.4	4.5
160°-170°	361.8	2.7
170°-180°	122.2	0.9
0°-30°	1427.7	10.7
0°-40°	2336.9	17.6
0°-60°	4047.0	30.5
0°-90°	4988.9	37.6
90°-120°	3962.9	29.8
90°-150°	7217.5	54.3
90°-180°	8293.0	62.4
0°-180°	13281.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1922	1922	1922	1922	1922	
5°	1931	1991	1931	1566	1931	183
15°	1844	1973	1844	1648	1844	519
25°	1624	1840	1624	1611	1624	746
35°	1235	1642	1235	1402	1235	764
45°	797	1353	797	1188	797	638
55°	649	998	649	975	649	597
65°	451	602	451	673	451	431
75°	171	286	171	342	171	180
85°	29	73	29	62	29	39
90°	9	33	9	33	9	8
95°	82	377	82	377	82	91
105°	295	2567	295	2567	295	313
115°	525	3305	525	3305	525	518
125°	730	2632	730	2632	730	648
135°	870	2042	870	2042	870	673
145°	1009	1657	1009	1657	1009	632
155°	1140	1427	1140	1427	1140	524
165°	1230	1329	1230	1329	1230	347
175°	1279	1288	1279	1288	1279	121
180°	1279	1279	1279	1279	1279	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1922.2	1922.2	1922.2	1922.2	1922.2	1922.2	1922.2	1922.2	1922.2	1922.2	1922.2
2.5°	1938.6	1938.6	1949.6	1953.1	1953.1	1947.7	1942.2	1947.7	1964.1	1969.6	1967.7
5°	1931.3	1945.9	1965.9	1969.6	1973.1	1971.3	1967.7	1971.3	1989.5	1993.1	1995.0
7.5°	1916.8	1944.0	1969.6	1975.0	1980.4	1975.0	1973.1	1976.8	1995.0	1998.6	1998.6
10°	1898.6	1936.8	1965.9	1969.6	1975.0	1969.6	1969.6	1976.8	1995.0	1998.6	2000.4
12.5°	1873.1	1925.9	1953.1	1956.8	1964.1	1962.2	1960.4	1967.7	1985.9	1989.5	1989.5
15°	1844.0	1905.9	1931.3	1935.0	1947.7	1944.0	1944.0	1951.3	1971.3	1976.8	1975.0
17.5°	1804.0	1880.4	1909.5	1915.0	1924.0	1922.2	1924.0	1931.3	1949.6	1953.1	1955.0
20°	1758.6	1845.9	1880.4	1885.9	1894.9	1894.9	1894.9	1904.0	1922.2	1929.5	1929.5
22.5°	1696.7	1809.5	1845.9	1849.5	1860.4	1860.4	1864.0	1876.8	1893.1	1894.9	1894.9
25°	1624.0	1769.5	1800.4	1811.3	1822.2	1827.7	1833.1	1840.4	1845.9	1844.0	1845.9
27.5°	1547.6	1718.6	1758.6	1765.8	1780.4	1785.8	1793.1	1794.9	1796.8	1802.2	1798.6
30°	1462.2	1647.6	1707.6	1714.9	1738.6	1742.2	1734.9	1738.6	1747.7	1751.3	1754.9
32.5°	1365.7	1542.2	1654.9	1671.3	1693.1	1682.1	1680.4	1685.8	1700.4	1700.4	1704.0
35°	1234.9	1460.3	1605.8	1620.4	1636.7	1624.0	1631.3	1633.0	1642.1	1647.6	1645.8
37.5°	1091.1	1389.4	1554.9	1565.8	1578.5	1562.2	1573.0	1578.5	1585.8	1582.2	1582.2
40°	963.9	1278.4	1494.8	1502.2	1513.1	1500.3	1511.3	1514.8	1518.5	1514.8	1513.1
42.5°	869.2	1156.6	1431.2	1440.3	1433.1	1442.2	1445.7	1453.1	1447.6	1440.3	1440.3
45°	796.6	1123.9	1362.1	1373.1	1362.1	1376.6	1382.1	1382.1	1365.7	1362.1	1360.3
47.5°	772.9	1058.4	1293.0	1293.0	1287.5	1305.7	1314.8	1302.1	1285.7	1280.3	1280.3
50°	771.0	985.7	1198.4	1191.2	1216.6	1238.4	1229.3	1216.6	1203.9	1183.9	1183.9
52.5°	700.1	896.6	1076.5	1103.9	1143.9	1156.6	1142.1	1129.3	1107.5	1098.4	1091.1
55°	649.3	803.8	965.7	1020.2	1062.0	1078.4	1051.1	1038.4	1005.7	1000.2	996.6
57.5°	638.3	669.3	863.8	932.9	983.9	982.0	965.7	942.0	914.8	909.3	907.5
60°	585.6	483.7	754.7	836.6	889.2	883.8	869.2	847.5	822.0	818.4	814.7
62.5°	531.0	351.0	631.0	723.8	798.4	796.6	783.8	751.0	732.9	723.8	716.5
65°	451.0	294.6	449.2	601.9	709.3	712.9	685.6	661.9	641.9	631.0	629.3
67.5°	343.7	240.1	303.7	501.9	623.8	620.2	585.6	574.7	549.2	543.7	532.8
70°	254.6	160.0	211.0	407.4	540.2	531.0	503.7	491.1	467.4	454.6	447.4
72.5°	211.0	129.1	154.5	316.4	454.6	443.7	420.1	405.5	385.5	374.6	367.4
75°	171.0	136.4	118.2	234.6	369.2	361.9	340.1	325.5	309.2	294.6	296.4
77.5°	125.4	127.3	94.5	172.8	292.7	281.9	269.2	251.0	243.6	229.1	229.1
80°	94.5	100.0	70.9	118.2	211.0	211.0	200.1	187.3	174.5	167.3	167.3
82.5°	63.7	63.7	52.8	74.5	143.7	138.2	131.0	127.3	120.0	116.4	116.4
85°	29.1	36.3	32.8	45.4	78.2	81.9	81.9	78.2	76.4	72.8	74.5
87.5°	9.1	16.3	20.0	25.4	40.0	41.8	43.7	43.7	43.7	45.4	45.4
90°	8.6	15.5	22.3	24.0	37.8	56.1	65.2	58.0	43.5	32.7	32.7
92.5°	34.3	92.7	151.1	165.7	233.0	322.7	367.4	322.0	231.3	163.2	156.7
95°	82.4	189.2	296.1	322.8	573.3	907.1	1074.1	958.4	727.2	553.7	534.1
97.5°	142.5	236.8	331.0	354.6	772.1	1328.9	1607.3	1534.2	1388.0	1278.4	1241.0
100°	188.9	274.4	359.8	381.2	844.6	1462.3	1771.2	1776.6	1787.3	1795.3	1750.8
102.5°	228.4	308.2	387.9	407.8	877.8	1504.3	1817.6	1910.6	2096.8	2236.5	2198.3
105°	295.3	362.9	430.4	447.3	902.4	1509.1	1812.4	2021.1	2438.6	2751.7	2731.2
107.5°	364.0	427.0	490.0	505.6	906.9	1441.9	1709.4	2000.6	2582.9	3019.6	3024.5
110°	410.4	467.3	524.1	538.3	900.1	1382.3	1623.5	1949.0	2600.0	3088.2	3109.6



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	455.9	510.1	564.2	577.8	900.4	1330.4	1545.4	1878.5	2544.8	3044.5	3077.3
115°	524.6	574.6	624.6	637.1	908.6	1270.7	1451.8	1772.7	2414.5	2895.9	2941.4
117.5°	592.4	637.8	683.2	694.6	925.6	1233.5	1387.5	1677.1	2256.2	2690.7	2741.2
120°	631.9	674.7	717.5	728.1	939.3	1220.9	1361.7	1626.3	2155.6	2552.5	2601.5
122.5°	670.6	713.7	756.8	767.6	959.0	1214.3	1341.9	1580.3	2056.8	2414.3	2462.6
125°	729.8	769.0	808.4	818.2	985.6	1208.9	1320.5	1522.9	1927.7	2231.4	2275.9
127.5°	777.8	817.5	857.2	867.1	1012.2	1205.7	1302.4	1476.2	1823.8	2084.5	2122.2
130°	803.6	846.4	889.2	899.8	1031.8	1207.7	1295.6	1450.3	1759.8	1991.9	2026.5
132.5°	830.2	873.0	915.8	926.4	1047.5	1208.9	1289.5	1428.0	1705.1	1912.8	1944.0
135°	869.7	908.6	947.6	957.3	1064.6	1207.7	1279.3	1395.3	1627.3	1801.3	1828.0
137.5°	910.1	948.6	987.2	996.8	1090.4	1215.1	1277.5	1375.6	1571.7	1718.8	1740.8
140°	943.6	979.1	1014.5	1023.4	1106.1	1216.4	1271.6	1356.3	1525.7	1652.8	1673.2
142.5°	969.3	1002.1	1035.0	1043.1	1119.3	1220.8	1271.6	1346.0	1494.7	1606.3	1624.0
145°	1008.8	1037.5	1066.1	1073.2	1136.5	1220.8	1262.9	1323.8	1445.6	1536.9	1550.2
147.5°	1048.3	1076.2	1104.0	1111.0	1161.6	1229.2	1262.9	1310.8	1406.6	1478.4	1489.5
150°	1074.1	1099.2	1124.4	1130.7	1174.7	1233.6	1262.9	1303.4	1384.3	1444.9	1453.9
152.5°	1100.7	1119.8	1138.9	1143.6	1183.4	1236.4	1262.9	1297.4	1366.5	1418.3	1425.1
155°	1140.1	1154.3	1168.4	1171.9	1202.3	1242.7	1262.9	1290.4	1345.3	1386.5	1391.0
157.5°	1169.3	1183.1	1196.9	1200.3	1221.2	1249.0	1262.9	1284.3	1327.1	1359.1	1362.2
160°	1189.1	1199.8	1210.4	1213.1	1229.7	1251.8	1262.9	1281.3	1317.9	1345.3	1347.2
162.5°	1208.9	1216.9	1224.8	1226.9	1238.9	1254.9	1262.9	1278.3	1309.3	1332.5	1334.2
165°	1230.4	1237.6	1244.8	1246.6	1252.0	1259.3	1262.9	1274.0	1296.2	1312.8	1314.6
167.5°	1250.1	1253.5	1257.0	1257.8	1262.4	1268.5	1271.6	1278.8	1293.3	1304.1	1304.9
170°	1262.9	1266.3	1269.8	1270.6	1270.9	1271.4	1271.6	1278.8	1293.3	1304.1	1304.1
172.5°	1269.8	1270.5	1271.4	1271.6	1271.6	1271.6	1271.6	1277.2	1288.7	1297.3	1296.6
175°	1279.3	1279.3	1279.3	1279.3	1276.7	1273.3	1271.6	1275.1	1282.4	1287.8	1287.8
177.5°	1279.3	1279.3	1279.3	1279.3	1277.2	1274.6	1273.2	1276.1	1281.8	1286.1	1285.4
180°	1279.3	1279.3	1279.3	1279.3	1279.3	1279.3	1279.3	1279.3	1279.3	1279.3	1279.3



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1922.2	1922.2	1922.2	1922.2	1922.2	1922.2	1922.2	1922.2	1922.2	1922.2	1922.2
2.5°	1971.3	1965.9	1971.3	1967.7	1969.6	1964.1	1947.7	1942.2	1947.7	1953.1	1953.1
5°	1995.0	1991.3	1995.0	1995.0	1993.1	1989.5	1971.3	1967.7	1971.3	1973.1	1969.6
7.5°	2002.2	1996.8	2002.2	1998.6	1998.6	1995.0	1976.8	1973.1	1975.0	1980.4	1975.0
10°	2002.2	1996.8	2002.2	2000.4	1998.6	1995.0	1976.8	1969.6	1969.6	1975.0	1969.6
12.5°	1993.1	1989.5	1993.1	1989.5	1989.5	1985.9	1967.7	1960.4	1962.2	1964.1	1956.8
15°	1978.6	1973.1	1978.6	1975.0	1976.8	1971.3	1951.3	1944.0	1944.0	1947.7	1935.0
17.5°	1956.8	1949.6	1956.8	1955.0	1953.1	1949.6	1931.3	1924.0	1922.2	1924.0	1915.0
20°	1931.3	1925.9	1931.3	1929.5	1929.5	1922.2	1904.0	1894.9	1894.9	1894.9	1885.9
22.5°	1891.3	1885.9	1891.3	1894.9	1894.9	1893.1	1876.8	1864.0	1860.4	1860.4	1849.5
25°	1845.9	1840.4	1845.9	1845.9	1844.0	1845.9	1840.4	1833.1	1827.7	1822.2	1811.3
27.5°	1802.2	1798.6	1802.2	1798.6	1802.2	1796.8	1794.9	1793.1	1785.8	1780.4	1765.8
30°	1758.6	1754.9	1758.6	1754.9	1751.3	1747.7	1738.6	1734.9	1742.2	1738.6	1714.9
32.5°	1704.0	1700.4	1704.0	1704.0	1700.4	1700.4	1685.8	1680.4	1682.1	1693.1	1671.3
35°	1647.6	1642.1	1647.6	1645.8	1647.6	1642.1	1633.0	1631.3	1624.0	1636.7	1620.4
37.5°	1582.2	1576.7	1582.2	1582.2	1582.2	1585.8	1578.5	1573.0	1562.2	1578.5	1565.8
40°	1514.8	1507.6	1514.8	1513.1	1514.8	1518.5	1514.8	1511.3	1500.3	1513.1	1502.2
42.5°	1438.5	1436.7	1438.5	1440.3	1440.3	1447.6	1453.1	1445.7	1442.2	1433.1	1440.3
45°	1356.6	1353.0	1356.6	1360.3	1362.1	1365.7	1382.1	1382.1	1376.6	1362.1	1373.1
47.5°	1269.4	1260.3	1269.4	1280.3	1280.3	1285.7	1302.1	1314.8	1305.7	1287.5	1293.0
50°	1176.6	1178.4	1176.6	1183.9	1183.9	1203.9	1216.6	1229.3	1238.4	1216.6	1191.2
52.5°	1085.7	1083.9	1085.7	1091.1	1098.4	1107.5	1129.3	1142.1	1156.6	1143.9	1103.9
55°	994.8	998.4	994.8	996.6	1000.2	1005.7	1038.4	1051.1	1078.4	1062.0	1020.2
57.5°	903.8	898.3	903.8	907.5	909.3	914.8	942.0	965.7	982.0	983.9	932.9
60°	798.4	791.1	798.4	814.7	818.4	822.0	847.5	869.2	883.8	889.2	836.6
62.5°	705.6	692.9	705.6	716.5	723.8	732.9	751.0	783.8	796.6	798.4	723.8
65°	607.4	601.9	607.4	629.3	631.0	641.9	661.9	685.6	712.9	709.3	601.9
67.5°	518.3	518.3	518.3	532.8	543.7	549.2	574.7	585.6	620.2	623.8	501.9
70°	436.5	434.6	436.5	447.4	454.6	467.4	491.1	503.7	531.0	540.2	407.4
72.5°	358.3	356.4	358.3	367.4	374.6	385.5	405.5	420.1	443.7	454.6	316.4
75°	289.2	285.5	289.2	296.4	294.6	309.2	325.5	340.1	361.9	369.2	234.6
77.5°	221.9	221.9	221.9	229.1	229.1	243.6	251.0	269.2	281.9	292.7	172.8
80°	165.5	163.7	165.5	167.3	167.3	174.5	187.3	200.1	211.0	211.0	118.2
82.5°	116.4	112.8	116.4	116.4	116.4	120.0	127.3	131.0	138.2	143.7	74.5
85°	72.8	72.8	72.8	74.5	72.8	76.4	78.2	81.9	81.9	78.2	45.4
87.5°	47.3	45.4	47.3	45.4	45.4	43.7	43.7	43.7	41.8	40.0	25.4
90°	32.7	32.7	32.7	32.7	32.7	43.5	58.0	65.2	56.1	37.8	24.0
92.5°	130.7	104.7	130.7	156.7	163.2	231.3	322.0	367.4	322.7	233.0	165.7
95°	455.5	376.9	455.5	534.1	553.7	727.2	958.4	1074.1	907.1	573.3	322.8
97.5°	1091.4	941.8	1091.4	1241.0	1278.4	1388.0	1534.2	1607.3	1328.9	772.1	354.6
100°	1572.6	1394.3	1572.6	1750.8	1795.3	1787.3	1776.6	1771.2	1462.3	844.6	381.2
102.5°	2045.7	1893.1	2045.7	2198.3	2236.5	2096.8	1910.6	1817.6	1504.3	877.8	407.8
105°	2649.1	2567.1	2649.1	2731.2	2751.7	2438.6	2021.1	1812.4	1509.1	902.4	447.3
107.5°	3044.4	3064.2	3044.4	3024.5	3019.6	2582.9	2000.6	1709.4	1441.9	906.9	505.6
110°	3195.0	3280.6	3195.0	3109.6	3088.2	2600.0	1949.0	1623.5	1382.3	900.1	538.3



TEST NUMBER: P936064

CATALOG NUMBER: SQ4-FA-150U-100D-93050-1D-UNV-STD-W-6-5000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3208.5	3339.8	3208.5	3077.3	3044.5	2544.8	1878.5	1545.4	1330.4	900.4	577.8
115°	3123.4	3305.4	3123.4	2941.4	2895.9	2414.5	1772.7	1451.8	1270.7	908.6	637.1
117.5°	2943.0	3144.9	2943.0	2741.2	2690.7	2256.2	1677.1	1387.5	1233.5	925.6	694.6
120°	2797.7	2993.8	2797.7	2601.5	2552.5	2155.6	1626.3	1361.7	1220.9	939.3	728.1
122.5°	2656.1	2849.5	2656.1	2462.6	2414.3	2056.8	1580.3	1341.9	1214.3	959.0	767.6
125°	2454.1	2632.3	2454.1	2275.9	2231.4	1927.7	1522.9	1320.5	1208.9	985.6	818.2
127.5°	2272.5	2422.9	2272.5	2122.2	2084.5	1823.8	1476.2	1302.4	1205.7	1012.2	867.1
130°	2165.5	2304.3	2165.5	2026.5	1991.9	1759.8	1450.3	1295.6	1207.7	1031.8	899.8
132.5°	2068.3	2192.7	2068.3	1944.0	1912.8	1705.1	1428.0	1289.5	1208.9	1047.5	926.4
135°	1935.3	2042.5	1935.3	1828.0	1801.3	1627.3	1395.3	1279.3	1207.7	1064.6	957.3
137.5°	1828.6	1916.3	1828.6	1740.8	1718.8	1571.7	1375.6	1277.5	1215.1	1090.4	996.8
140°	1755.3	1837.3	1755.3	1673.2	1652.8	1525.7	1356.3	1271.6	1216.4	1106.1	1023.4
142.5°	1694.6	1765.2	1694.6	1624.0	1606.3	1494.7	1346.0	1271.6	1220.8	1119.3	1043.1
145°	1603.6	1657.0	1603.6	1550.2	1536.9	1445.6	1323.8	1262.9	1220.8	1136.5	1073.2
147.5°	1533.7	1578.1	1533.7	1489.5	1478.4	1406.6	1310.8	1262.9	1229.2	1161.6	1111.0
150°	1489.8	1525.7	1489.8	1453.9	1444.9	1384.3	1303.4	1262.9	1233.6	1174.7	1130.7
152.5°	1452.2	1479.3	1452.2	1425.1	1418.3	1366.5	1297.4	1262.9	1236.4	1183.4	1143.6
155°	1408.9	1426.9	1408.9	1391.0	1386.5	1345.3	1290.4	1262.9	1242.7	1202.3	1171.9
157.5°	1374.9	1387.5	1374.9	1362.2	1359.1	1327.1	1284.3	1262.9	1249.0	1221.2	1200.3
160°	1354.4	1361.7	1354.4	1347.2	1345.3	1317.9	1281.3	1262.9	1251.8	1229.7	1213.1
162.5°	1341.0	1347.9	1341.0	1334.2	1332.5	1309.3	1278.3	1262.9	1254.9	1238.9	1226.9
165°	1321.8	1329.0	1321.8	1314.6	1312.8	1296.2	1274.0	1262.9	1259.3	1252.0	1246.6
167.5°	1308.0	1311.0	1308.0	1304.9	1304.1	1293.3	1278.8	1271.6	1268.5	1262.4	1257.8
170°	1304.1	1304.1	1304.1	1304.1	1304.1	1293.3	1278.8	1271.6	1271.4	1270.9	1270.6
172.5°	1293.9	1291.3	1293.9	1296.6	1297.3	1288.7	1277.2	1271.6	1271.6	1271.6	1271.6
175°	1287.8	1287.8	1287.8	1287.8	1287.8	1282.4	1275.1	1271.6	1273.3	1276.7	1279.3
177.5°	1282.3	1279.3	1282.3	1285.4	1286.1	1281.8	1276.1	1273.2	1274.6	1277.2	1279.3
180°	1279.3	1279.3	1279.3	1279.3	1279.3	1279.3	1279.3	1279.3	1279.3	1279.3	1279.3



TEST NUMBER: P936064

CATALOG NUMBER: SQ4-FA-150U-100D-93050-1D-UNV-STD-W-6-5000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1922.2	1922.2	1922.2	1922.2	1922.2	1922.2	1922.2	1922.2	1922.2	1922.2	1922.2
2.5°	1949.6	1938.6	1938.6	1920.4	1913.1	1907.7	1898.6	1871.3	1864.0	1856.8	1867.7
5°	1965.9	1945.9	1931.3	1898.6	1871.3	1860.4	1825.8	1760.4	1716.7	1684.0	1665.8
7.5°	1969.6	1944.0	1916.8	1865.9	1800.4	1771.2	1665.8	1545.8	1513.1	1483.9	1465.7
10°	1965.9	1936.8	1898.6	1822.2	1667.6	1616.7	1511.3	1433.1	1413.1	1407.6	1413.1
12.5°	1953.1	1925.9	1873.1	1745.8	1529.4	1494.8	1433.1	1387.6	1384.0	1393.1	1442.2
15°	1931.3	1905.9	1844.0	1644.0	1453.1	1427.6	1384.0	1367.5	1387.6	1451.2	1598.5
17.5°	1909.5	1880.4	1804.0	1543.9	1394.8	1376.6	1345.7	1378.5	1491.3	1576.7	1625.8
20°	1880.4	1845.9	1758.6	1471.2	1353.0	1336.6	1322.1	1469.4	1554.9	1585.8	1613.0
22.5°	1845.9	1809.5	1696.7	1420.3	1309.4	1296.6	1305.7	1520.3	1554.9	1576.7	1600.4
25°	1800.4	1769.5	1624.0	1380.3	1274.9	1260.3	1294.9	1514.8	1534.8	1540.4	1587.6
27.5°	1758.6	1718.6	1547.6	1344.0	1233.0	1227.5	1304.0	1491.3	1505.8	1511.3	1562.2
30°	1707.6	1647.6	1462.2	1305.7	1189.3	1187.5	1305.7	1462.2	1458.5	1473.1	1523.9
32.5°	1654.9	1542.2	1365.7	1258.4	1147.5	1145.7	1293.0	1418.5	1414.8	1434.8	1473.1
35°	1605.8	1460.3	1234.9	1203.9	1094.8	1096.6	1262.1	1367.5	1369.4	1387.6	1411.2
37.5°	1554.9	1389.4	1091.1	1143.9	1043.9	1043.9	1220.3	1320.3	1316.6	1322.1	1354.8
40°	1494.8	1278.4	963.9	1065.7	996.6	991.1	1169.3	1269.4	1256.6	1254.9	1300.3
42.5°	1431.2	1156.6	869.2	962.0	942.0	934.8	1107.5	1207.5	1183.9	1189.3	1247.5
45°	1362.1	1123.9	796.6	812.9	885.7	880.2	1040.2	1136.6	1120.2	1134.8	1194.8
47.5°	1293.0	1058.4	772.9	674.7	825.7	823.8	965.7	1067.5	1058.4	1073.0	1136.6
50°	1198.4	985.7	771.0	578.3	758.4	765.6	876.6	1000.2	1000.2	1013.0	1080.2
52.5°	1076.5	896.6	700.1	523.7	680.1	701.9	798.4	942.0	945.7	958.3	1018.4
55°	965.7	803.8	649.3	481.9	587.4	634.7	722.0	882.0	889.2	902.0	956.6
57.5°	863.8	669.3	638.3	432.8	501.9	547.4	654.7	823.8	827.5	838.4	891.1
60°	754.7	483.7	585.6	380.1	427.4	461.9	592.8	754.7	767.5	774.7	820.1
62.5°	631.0	351.0	531.0	343.7	391.0	398.3	541.9	689.3	705.6	711.0	738.4
65°	449.2	294.6	451.0	312.8	352.8	354.6	487.4	621.9	636.5	645.6	665.6
67.5°	303.7	240.1	343.7	283.7	323.7	325.5	434.6	543.7	563.7	571.0	583.7
70°	211.0	160.0	254.6	252.8	291.0	294.6	378.3	472.8	491.1	496.5	503.7
72.5°	154.5	129.1	211.0	227.3	256.4	260.1	320.1	392.8	411.0	416.4	420.1
75°	118.2	136.4	171.0	198.2	218.2	220.1	261.9	320.1	332.8	336.4	338.3
77.5°	94.5	127.3	125.4	160.0	178.2	174.5	205.5	247.3	258.2	258.2	258.2
80°	70.9	100.0	94.5	114.5	131.0	127.3	147.3	176.4	180.1	183.6	181.9
82.5°	52.8	63.7	63.7	72.8	87.3	83.7	98.2	114.5	114.5	114.5	118.2
85°	32.8	36.3	29.1	38.2	49.1	47.3	54.6	61.9	63.7	63.7	60.0
87.5°	20.0	16.3	9.1	14.6	21.8	21.8	25.4	27.3	25.4	25.4	25.4
90°	22.3	15.5	8.6	15.5	22.3	24.0	37.8	56.1	65.2	58.0	43.5
92.5°	151.1	92.7	34.3	92.7	151.1	165.7	233.0	322.7	367.4	322.0	231.3
95°	296.1	189.2	82.4	189.2	296.1	322.8	573.3	907.1	1074.1	958.4	727.2
97.5°	331.0	236.8	142.5	236.8	331.0	354.6	772.1	1328.9	1607.3	1534.2	1388.0
100°	359.8	274.4	188.9	274.4	359.8	381.2	844.6	1462.3	1771.2	1776.6	1787.3
102.5°	387.9	308.2	228.4	308.2	387.9	407.8	877.8	1504.3	1817.6	1910.6	2096.8
105°	430.4	362.9	295.3	362.9	430.4	447.3	902.4	1509.1	1812.4	2021.1	2438.6
107.5°	490.0	427.0	364.0	427.0	490.0	505.6	906.9	1441.9	1709.4	2000.6	2582.9
110°	524.1	467.3	410.4	467.3	524.1	538.3	900.1	1382.3	1623.5	1949.0	2600.0



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CATALOG NUMBER: SQ4-FA-150U-100D-93050-1D-UNV-STD-W-6-5000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	564.2	510.1	455.9	510.1	564.2	577.8	900.4	1330.4	1545.4	1878.5	2544.8
115°	624.6	574.6	524.6	574.6	624.6	637.1	908.6	1270.7	1451.8	1772.7	2414.5
117.5°	683.2	637.8	592.4	637.8	683.2	694.6	925.6	1233.5	1387.5	1677.1	2256.2
120°	717.5	674.7	631.9	674.7	717.5	728.1	939.3	1220.9	1361.7	1626.3	2155.6
122.5°	756.8	713.7	670.6	713.7	756.8	767.6	959.0	1214.3	1341.9	1580.3	2056.8
125°	808.4	769.0	729.8	769.0	808.4	818.2	985.6	1208.9	1320.5	1522.9	1927.7
127.5°	857.2	817.5	777.8	817.5	857.2	867.1	1012.2	1205.7	1302.4	1476.2	1823.8
130°	889.2	846.4	803.6	846.4	889.2	899.8	1031.8	1207.7	1295.6	1450.3	1759.8
132.5°	915.8	873.0	830.2	873.0	915.8	926.4	1047.5	1208.9	1289.5	1428.0	1705.1
135°	947.6	908.6	869.7	908.6	947.6	957.3	1064.6	1207.7	1279.3	1395.3	1627.3
137.5°	987.2	948.6	910.1	948.6	987.2	996.8	1090.4	1215.1	1277.5	1375.6	1571.7
140°	1014.5	979.1	943.6	979.1	1014.5	1023.4	1106.1	1216.4	1271.6	1356.3	1525.7
142.5°	1035.0	1002.1	969.3	1002.1	1035.0	1043.1	1119.3	1220.8	1271.6	1346.0	1494.7
145°	1066.1	1037.5	1008.8	1037.5	1066.1	1073.2	1136.5	1220.8	1262.9	1323.8	1445.6
147.5°	1104.0	1076.2	1048.3	1076.2	1104.0	1111.0	1161.6	1229.2	1262.9	1310.8	1406.6
150°	1124.4	1099.2	1074.1	1099.2	1124.4	1130.7	1174.7	1233.6	1262.9	1303.4	1384.3
152.5°	1138.9	1119.8	1100.7	1119.8	1138.9	1143.6	1183.4	1236.4	1262.9	1297.4	1366.5
155°	1168.4	1154.3	1140.1	1154.3	1168.4	1171.9	1202.3	1242.7	1262.9	1290.4	1345.3
157.5°	1196.9	1183.1	1169.3	1183.1	1196.9	1200.3	1221.2	1249.0	1262.9	1284.3	1327.1
160°	1210.4	1199.8	1189.1	1199.8	1210.4	1213.1	1229.7	1251.8	1262.9	1281.3	1317.9
162.5°	1224.8	1216.9	1208.9	1216.9	1224.8	1226.9	1238.9	1254.9	1262.9	1278.3	1309.3
165°	1244.8	1237.6	1230.4	1237.6	1244.8	1246.6	1252.0	1259.3	1262.9	1274.0	1296.2
167.5°	1257.0	1253.5	1250.1	1253.5	1257.0	1257.8	1262.4	1268.5	1271.6	1278.8	1293.3
170°	1269.8	1266.3	1262.9	1266.3	1269.8	1270.6	1270.9	1271.4	1271.6	1278.8	1293.3
172.5°	1271.4	1270.5	1269.8	1270.5	1271.4	1271.6	1271.6	1271.6	1271.6	1277.2	1288.7
175°	1279.3	1279.3	1279.3	1279.3	1279.3	1279.3	1276.7	1273.3	1271.6	1275.1	1282.4
177.5°	1279.3	1279.3	1279.3	1279.3	1279.3	1279.3	1277.2	1274.6	1273.2	1276.1	1281.8
180°	1279.3	1279.3	1279.3	1279.3	1279.3	1279.3	1279.3	1279.3	1279.3	1279.3	1279.3



TEST NUMBER: P936064

CATALOG NUMBER: SQ4-FA-150U-100D-93050-1D-UNV-STD-W-6-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1922.2	1922.2	1922.2	1922.2	1922.2	1922.2	1922.2	1922.2	1922.2	1922.2	1922.2
2.5°	1854.9	1849.5	1856.8	1836.8	1856.8	1849.5	1854.9	1867.7	1856.8	1864.0	1871.3
5°	1627.6	1618.5	1589.4	1565.8	1589.4	1618.5	1627.6	1665.8	1684.0	1716.7	1760.4
7.5°	1454.8	1447.6	1440.3	1425.7	1440.3	1447.6	1454.8	1465.7	1483.9	1513.1	1545.8
10°	1416.6	1418.5	1429.4	1427.6	1429.4	1418.5	1416.6	1413.1	1407.6	1413.1	1433.1
12.5°	1514.8	1531.3	1591.3	1587.6	1591.3	1531.3	1514.8	1442.2	1393.1	1384.0	1387.6
15°	1627.6	1633.0	1645.8	1647.6	1645.8	1633.0	1627.6	1598.5	1451.2	1387.6	1367.5
17.5°	1638.5	1640.4	1649.5	1649.5	1649.5	1640.4	1638.5	1625.8	1576.7	1491.3	1378.5
20°	1629.5	1633.0	1651.3	1654.9	1651.3	1633.0	1629.5	1613.0	1585.8	1554.9	1469.4
22.5°	1625.8	1633.0	1647.6	1645.8	1647.6	1633.0	1625.8	1600.4	1576.7	1554.9	1520.3
25°	1607.6	1607.6	1609.5	1611.3	1609.5	1607.6	1607.6	1587.6	1540.4	1534.8	1514.8
27.5°	1569.4	1573.0	1583.9	1582.2	1583.9	1573.0	1569.4	1562.2	1511.3	1505.8	1491.3
30°	1534.8	1531.3	1522.2	1514.8	1522.2	1531.3	1534.8	1523.9	1473.1	1458.5	1462.2
32.5°	1476.7	1467.6	1458.5	1453.1	1458.5	1467.6	1476.7	1473.1	1434.8	1414.8	1418.5
35°	1407.6	1409.4	1407.6	1402.1	1407.6	1409.4	1407.6	1411.2	1387.6	1369.4	1367.5
37.5°	1358.5	1362.1	1360.3	1353.0	1360.3	1362.1	1358.5	1354.8	1322.1	1316.6	1320.3
40°	1307.5	1309.4	1307.5	1302.1	1307.5	1309.4	1307.5	1300.3	1254.9	1256.6	1269.4
42.5°	1258.4	1256.6	1251.2	1247.5	1251.2	1256.6	1258.4	1247.5	1189.3	1183.9	1207.5
45°	1202.1	1203.9	1193.0	1187.5	1193.0	1203.9	1202.1	1194.8	1134.8	1120.2	1136.6
47.5°	1145.7	1145.7	1136.6	1131.2	1136.6	1145.7	1145.7	1136.6	1073.0	1058.4	1067.5
50°	1085.7	1083.9	1071.1	1069.3	1071.1	1083.9	1085.7	1080.2	1013.0	1000.2	1000.2
52.5°	1016.6	1016.6	1018.4	1022.0	1018.4	1016.6	1016.6	1018.4	958.3	945.7	942.0
55°	956.6	958.3	971.1	974.8	971.1	958.3	956.6	956.6	902.0	889.2	882.0
57.5°	894.8	894.8	903.8	903.8	903.8	894.8	894.8	891.1	838.4	827.5	823.8
60°	823.8	827.5	834.7	832.9	834.7	827.5	823.8	820.1	774.7	767.5	754.7
62.5°	749.2	752.9	754.7	751.0	754.7	752.9	749.2	738.4	711.0	705.6	689.3
65°	671.0	674.7	676.5	672.9	676.5	674.7	671.0	665.6	645.6	636.5	621.9
67.5°	591.0	589.3	587.4	594.7	587.4	589.3	591.0	583.7	571.0	563.7	543.7
70°	509.2	509.2	507.4	511.0	507.4	509.2	509.2	503.7	496.5	491.1	472.8
72.5°	421.9	420.1	427.4	421.9	427.4	420.1	421.9	420.1	416.4	411.0	392.8
75°	336.4	340.1	336.4	341.9	336.4	340.1	336.4	338.3	336.4	332.8	320.1
77.5°	256.4	260.1	256.4	256.4	256.4	260.1	256.4	258.2	258.2	258.2	247.3
80°	181.9	180.1	180.1	178.2	180.1	180.1	181.9	181.9	183.6	180.1	176.4
82.5°	116.4	114.5	114.5	118.2	114.5	114.5	116.4	118.2	114.5	114.5	114.5
85°	63.7	65.4	61.9	61.9	61.9	65.4	63.7	60.0	63.7	63.7	61.9
87.5°	23.7	21.8	21.8	21.8	21.8	21.8	23.7	25.4	25.4	25.4	27.3
90°	32.7	32.7	32.7	32.7	32.7	32.7	32.7	43.5	58.0	65.2	56.1
92.5°	163.2	156.7	130.7	104.7	130.7	156.7	163.2	231.3	322.0	367.4	322.7
95°	553.7	534.1	455.5	376.9	455.5	534.1	553.7	727.2	958.4	1074.1	907.1
97.5°	1278.4	1241.0	1091.4	941.8	1091.4	1241.0	1278.4	1388.0	1534.2	1607.3	1328.9
100°	1795.3	1750.8	1572.6	1394.3	1572.6	1750.8	1795.3	1787.3	1776.6	1771.2	1462.3
102.5°	2236.5	2198.3	2045.7	1893.1	2045.7	2198.3	2236.5	2096.8	1910.6	1817.6	1504.3
105°	2751.7	2731.2	2649.1	2567.1	2649.1	2731.2	2751.7	2438.6	2021.1	1812.4	1509.1
107.5°	3019.6	3024.5	3044.4	3064.2	3044.4	3024.5	3019.6	2582.9	2000.6	1709.4	1441.9
110°	3088.2	3109.6	3195.0	3280.6	3195.0	3109.6	3088.2	2600.0	1949.0	1623.5	1382.3



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3044.5	3077.3	3208.5	3339.8	3208.5	3077.3	3044.5	2544.8	1878.5	1545.4	1330.4
115°	2895.9	2941.4	3123.4	3305.4	3123.4	2941.4	2895.9	2414.5	1772.7	1451.8	1270.7
117.5°	2690.7	2741.2	2943.0	3144.9	2943.0	2741.2	2690.7	2256.2	1677.1	1387.5	1233.5
120°	2552.5	2601.5	2797.7	2993.8	2797.7	2601.5	2552.5	2155.6	1626.3	1361.7	1220.9
122.5°	2414.3	2462.6	2656.1	2849.5	2656.1	2462.6	2414.3	2056.8	1580.3	1341.9	1214.3
125°	2231.4	2275.9	2454.1	2632.3	2454.1	2275.9	2231.4	1927.7	1522.9	1320.5	1208.9
127.5°	2084.5	2122.2	2272.5	2422.9	2272.5	2122.2	2084.5	1823.8	1476.2	1302.4	1205.7
130°	1991.9	2026.5	2165.5	2304.3	2165.5	2026.5	1991.9	1759.8	1450.3	1295.6	1207.7
132.5°	1912.8	1944.0	2068.3	2192.7	2068.3	1944.0	1912.8	1705.1	1428.0	1289.5	1208.9
135°	1801.3	1828.0	1935.3	2042.5	1935.3	1828.0	1801.3	1627.3	1395.3	1279.3	1207.7
137.5°	1718.8	1740.8	1828.6	1916.3	1828.6	1740.8	1718.8	1571.7	1375.6	1277.5	1215.1
140°	1652.8	1673.2	1755.3	1837.3	1755.3	1673.2	1652.8	1525.7	1356.3	1271.6	1216.4
142.5°	1606.3	1624.0	1694.6	1765.2	1694.6	1624.0	1606.3	1494.7	1346.0	1271.6	1220.8
145°	1536.9	1550.2	1603.6	1657.0	1603.6	1550.2	1536.9	1445.6	1323.8	1262.9	1220.8
147.5°	1478.4	1489.5	1533.7	1578.1	1533.7	1489.5	1478.4	1406.6	1310.8	1262.9	1229.2
150°	1444.9	1453.9	1489.8	1525.7	1489.8	1453.9	1444.9	1384.3	1303.4	1262.9	1233.6
152.5°	1418.3	1425.1	1452.2	1479.3	1452.2	1425.1	1418.3	1366.5	1297.4	1262.9	1236.4
155°	1386.5	1391.0	1408.9	1426.9	1408.9	1391.0	1386.5	1345.3	1290.4	1262.9	1242.7
157.5°	1359.1	1362.2	1374.9	1387.5	1374.9	1362.2	1359.1	1327.1	1284.3	1262.9	1249.0
160°	1345.3	1347.2	1354.4	1361.7	1354.4	1347.2	1345.3	1317.9	1281.3	1262.9	1251.8
162.5°	1332.5	1334.2	1341.0	1347.9	1341.0	1334.2	1332.5	1309.3	1278.3	1262.9	1254.9
165°	1312.8	1314.6	1321.8	1329.0	1321.8	1314.6	1312.8	1296.2	1274.0	1262.9	1259.3
167.5°	1304.1	1304.9	1308.0	1311.0	1308.0	1304.9	1304.1	1293.3	1278.8	1271.6	1268.5
170°	1304.1	1304.1	1304.1	1304.1	1304.1	1304.1	1304.1	1293.3	1278.8	1271.6	1271.4
172.5°	1297.3	1296.6	1293.9	1291.3	1293.9	1296.6	1297.3	1288.7	1277.2	1271.6	1271.6
175°	1287.8	1287.8	1287.8	1287.8	1287.8	1287.8	1287.8	1282.4	1275.1	1271.6	1273.3
177.5°	1286.1	1285.4	1282.3	1279.3	1282.3	1285.4	1286.1	1281.8	1276.1	1273.2	1274.6
180°	1279.3	1279.3	1279.3	1279.3	1279.3	1279.3	1279.3	1279.3	1279.3	1279.3	1279.3



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1922.2	1922.2	1922.2	1922.2	1922.2
2.5°	1898.6	1907.7	1913.1	1920.4	1938.6
5°	1825.8	1860.4	1871.3	1898.6	1931.3
7.5°	1665.8	1771.2	1800.4	1865.9	1916.8
10°	1511.3	1616.7	1667.6	1822.2	1898.6
12.5°	1433.1	1494.8	1529.4	1745.8	1873.1
15°	1384.0	1427.6	1453.1	1644.0	1844.0
17.5°	1345.7	1376.6	1394.8	1543.9	1804.0
20°	1322.1	1336.6	1353.0	1471.2	1758.6
22.5°	1305.7	1296.6	1309.4	1420.3	1696.7
25°	1294.9	1260.3	1274.9	1380.3	1624.0
27.5°	1304.0	1227.5	1233.0	1344.0	1547.6
30°	1305.7	1187.5	1189.3	1305.7	1462.2
32.5°	1293.0	1145.7	1147.5	1258.4	1365.7
35°	1262.1	1096.6	1094.8	1203.9	1234.9
37.5°	1220.3	1043.9	1043.9	1143.9	1091.1
40°	1169.3	991.1	996.6	1065.7	963.9
42.5°	1107.5	934.8	942.0	962.0	869.2
45°	1040.2	880.2	885.7	812.9	796.6
47.5°	965.7	823.8	825.7	674.7	772.9
50°	876.6	765.6	758.4	578.3	771.0
52.5°	798.4	701.9	680.1	523.7	700.1
55°	722.0	634.7	587.4	481.9	649.3
57.5°	654.7	547.4	501.9	432.8	638.3
60°	592.8	461.9	427.4	380.1	585.6
62.5°	541.9	398.3	391.0	343.7	531.0
65°	487.4	354.6	352.8	312.8	451.0
67.5°	434.6	325.5	323.7	283.7	343.7
70°	378.3	294.6	291.0	252.8	254.6
72.5°	320.1	260.1	256.4	227.3	211.0
75°	261.9	220.1	218.2	198.2	171.0
77.5°	205.5	174.5	178.2	160.0	125.4
80°	147.3	127.3	131.0	114.5	94.5
82.5°	98.2	83.7	87.3	72.8	63.7
85°	54.6	47.3	49.1	38.2	29.1
87.5°	25.4	21.8	21.8	14.6	9.1
90°	37.8	24.0	22.3	15.5	8.6
92.5°	233.0	165.7	151.1	92.7	34.3
95°	573.3	322.8	296.1	189.2	82.4
97.5°	772.1	354.6	331.0	236.8	142.5
100°	844.6	381.2	359.8	274.4	188.9
102.5°	877.8	407.8	387.9	308.2	228.4
105°	902.4	447.3	430.4	362.9	295.3
107.5°	906.9	505.6	490.0	427.0	364.0
110°	900.1	538.3	524.1	467.3	410.4



TEST NUMBER: P936064

CATALOG NUMBER: SQ4-FA-150U-100D-93050-1D-UNV-STD-W-6-5000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	900.4	577.8	564.2	510.1	455.9
115°	908.6	637.1	624.6	574.6	524.6
117.5°	925.6	694.6	683.2	637.8	592.4
120°	939.3	728.1	717.5	674.7	631.9
122.5°	959.0	767.6	756.8	713.7	670.6
125°	985.6	818.2	808.4	769.0	729.8
127.5°	1012.2	867.1	857.2	817.5	777.8
130°	1031.8	899.8	889.2	846.4	803.6
132.5°	1047.5	926.4	915.8	873.0	830.2
135°	1064.6	957.3	947.6	908.6	869.7
137.5°	1090.4	996.8	987.2	948.6	910.1
140°	1106.1	1023.4	1014.5	979.1	943.6
142.5°	1119.3	1043.1	1035.0	1002.1	969.3
145°	1136.5	1073.2	1066.1	1037.5	1008.8
147.5°	1161.6	1111.0	1104.0	1076.2	1048.3
150°	1174.7	1130.7	1124.4	1099.2	1074.1
152.5°	1183.4	1143.6	1138.9	1119.8	1100.7
155°	1202.3	1171.9	1168.4	1154.3	1140.1
157.5°	1221.2	1200.3	1196.9	1183.1	1169.3
160°	1229.7	1213.1	1210.4	1199.8	1189.1
162.5°	1238.9	1226.9	1224.8	1216.9	1208.9
165°	1252.0	1246.6	1244.8	1237.6	1230.4
167.5°	1262.4	1257.8	1257.0	1253.5	1250.1
170°	1270.9	1270.6	1269.8	1266.3	1262.9
172.5°	1271.6	1271.6	1271.4	1270.5	1269.8
175°	1276.7	1279.3	1279.3	1279.3	1279.3
177.5°	1277.2	1279.3	1279.3	1279.3	1279.3
180°	1279.3	1279.3	1279.3	1279.3	1279.3



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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	12.13	12.89	13.19	13.95	15.39	14.96	15.72	16.01	16.78	18.21
	3H	12.60	13.28	13.67	14.35	15.81	16.29	16.97	17.36	18.04	19.50
	4H	12.79	13.43	13.87	14.50	15.97	16.73	17.38	17.81	18.45	19.91
	6H	12.90	13.49	13.99	14.57	16.04	17.01	17.60	18.10	18.68	20.15
	8H	12.90	13.46	13.99	14.55	16.02	17.08	17.64	18.17	18.73	20.20
	12H	12.87	13.40	13.96	14.49	15.98	17.11	17.65	18.21	18.73	20.23
4H	2H	13.15	13.80	14.24	14.87	16.33	15.35	16.00	16.44	17.07	18.53
	3H	14.17	14.71	15.26	15.80	17.28	16.85	17.39	17.94	18.48	19.96
	4H	14.44	14.93	15.54	16.02	17.52	17.37	17.86	18.47	18.95	20.45
	6H	14.56	14.98	15.66	16.09	17.58	17.73	18.15	18.83	19.26	20.75
	8H	14.56	14.96	15.67	16.06	17.57	17.83	18.23	18.94	19.33	20.84
	12H	14.52	14.88	15.65	16.00	17.51	17.88	18.24	19.01	19.36	20.87
8H	4H	14.88	15.28	15.99	16.38	17.89	17.49	17.88	18.59	18.99	20.49
	6H	15.14	15.47	16.27	16.61	18.12	17.92	18.24	19.04	19.39	20.89
	8H	15.18	15.47	16.32	16.60	18.12	18.07	18.35	19.20	19.48	21.00
	12H	15.16	15.41	16.30	16.54	18.10	18.16	18.41	19.30	19.53	21.09
12H	4H	14.89	15.24	16.01	16.36	17.87	17.45	17.80	18.57	18.92	20.43
	6H	15.20	15.49	16.33	16.61	18.14	17.91	18.20	19.05	19.33	20.85
	8H	15.26	15.51	16.40	16.64	18.20	18.07	18.32	19.21	19.44	21.00