

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: P935865

Luminaire Tested: SQ4-FA-150U-050D-93050-1D-UNV-STD-W-8-3000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935865
REPORT IS A COMBINATION OF REPORTS P933772 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-150U-050D-93050-1D-UNV-STD-W-8-3000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

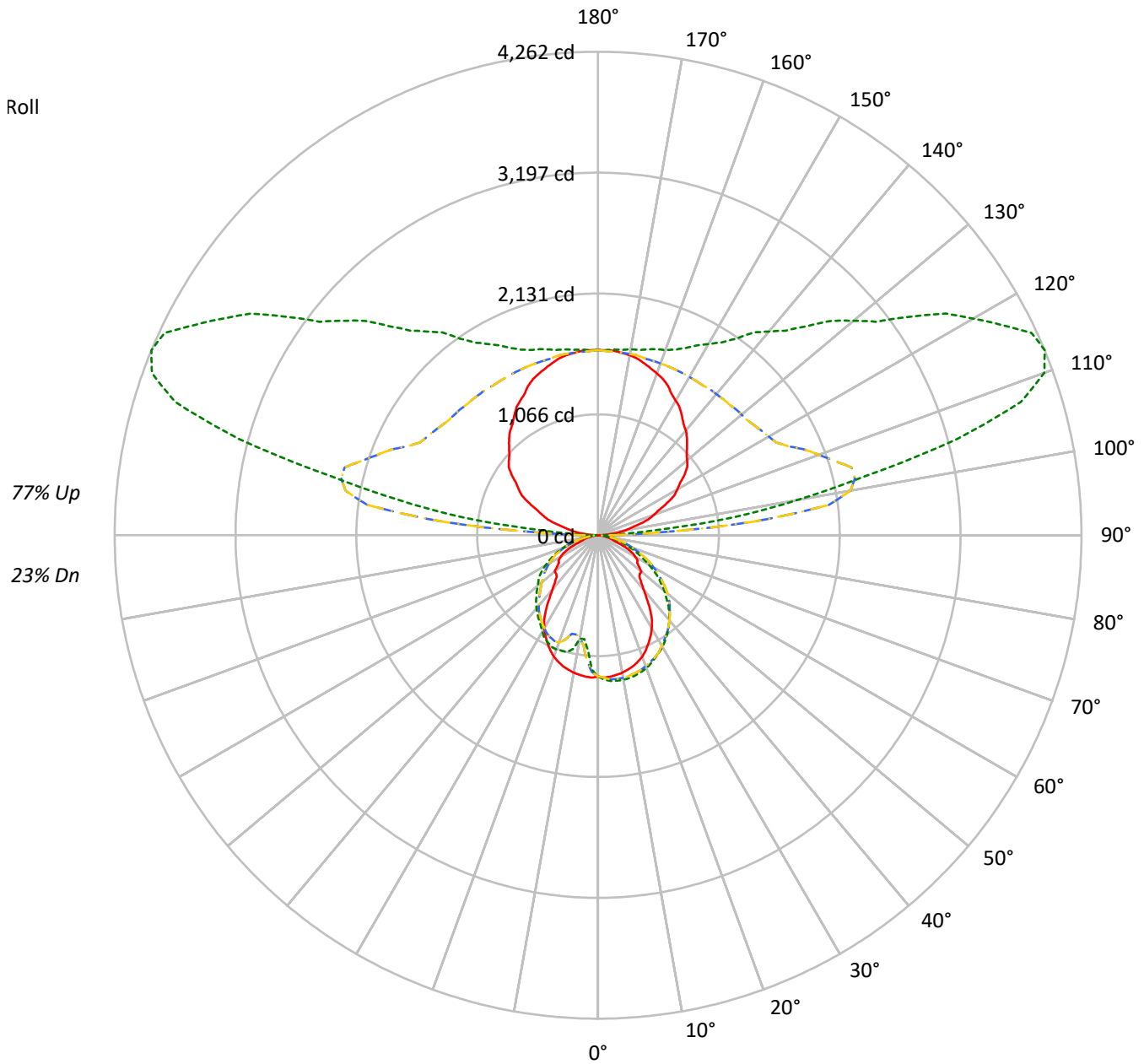
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13817.4 lumens
Efficiency: N/A
Efficacy: 124.3 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: Semi-Indirect

Input Watts (W): 111.2
Input Voltage (V): NR
Input Current (A_{in}): 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	101	101	101	101	90	90	90	90	69	69	69	49	49	49	32	32	32	23
1	92	88	84	81	81	78	75	72	60	58	56	43	42	41	28	27	27	20
2	84	77	71	66	74	68	63	59	52	49	46	38	36	34	25	24	23	17
3	76	67	60	55	67	60	54	49	46	42	39	34	31	29	22	20	19	14
4	70	59	52	46	62	53	47	42	41	37	33	30	27	25	19	18	16	12
5	64	53	45	39	56	47	40	36	36	32	28	27	24	21	17	16	14	10
6	59	47	39	34	52	42	35	31	33	28	24	24	21	18	16	14	12	9
7	54	42	35	29	48	38	31	27	30	25	21	22	19	16	14	12	11	8
8	50	38	31	26	44	34	28	23	27	22	19	20	17	14	13	11	10	7
9	46	35	28	23	41	31	25	21	24	20	17	18	15	13	12	10	9	6
10	43	32	25	20	38	28	22	18	22	18	15	17	14	11	11	9	8	6

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	5778	5778	5778	5778
5°	5820	5832	5820	4586
10°	5782	5745	5782	4107
15°	5719	5620	5719	4693
20°	5599	5473	5599	4703
25°	5354	5258	5354	4603
30°	5038	5080	5038	4384
35°	4491	4853	4491	4144
40°	3742	4587	3742	3962
45°	3344	4276	3344	3753
50°	3552	3905	3552	3544
55°	3342	3506	3342	3422
60°	3445	2977	3445	3134
65°	3123	2461	3123	2751
70°	2163	1962	2163	2306
75°	1898	1450	1898	1736
80°	1527	958	1527	1043
85°	880	508	880	432

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 5125 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	112.4	0.8
10°-20°	319.1	2.3
20°-30°	493.3	3.6
30°-40°	588.9	4.3
40°-50°	592.4	4.3
50°-60°	515.4	3.7
60°-70°	365.5	2.6
70°-80°	193.3	1.4
80°-90°	54.4	0.4
90°-100°	795.8	5.8
100°-110°	2092.1	15.1
110°-120°	2169.2	15.7
120°-130°	1740.0	12.6
130°-140°	1365.3	9.9
140°-150°	1047.9	7.6
150°-160°	754.7	5.5
160°-170°	461.7	3.3
170°-180°	156.0	1.1
0°-30°	924.9	6.7
0°-40°	1513.8	11.0
0°-60°	2621.7	19.0
0°-90°	3234.9	23.4
90°-120°	5057.0	36.6
90°-150°	9210.2	66.7
90°-180°	10583.0	76.6
0°-180°	13817.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1245	1245	1245	1245	1245	
5°	1251	1290	1251	1014	1251	119
15°	1195	1278	1195	1067	1195	336
25°	1052	1192	1052	1044	1052	483
35°	800	1064	800	908	800	495
45°	516	876	516	769	516	413
55°	420	647	420	631	420	386
65°	292	390	292	436	292	279
75°	111	185	111	222	111	116
85°	19	47	19	40	19	25
90°	11	42	11	42	11	10
95°	105	481	105	481	105	117
105°	377	3276	377	3276	377	400
115°	669	4218	669	4218	669	661
125°	931	3359	931	3359	931	827
135°	1110	2606	1110	2606	1110	859
145°	1287	2114	1287	2114	1287	806
155°	1455	1821	1455	1821	1455	669
165°	1570	1696	1570	1696	1570	443
175°	1632	1643	1632	1643	1632	155
180°	1632	1632	1632	1632	1632	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1245.3	1245.3	1245.3	1245.3	1245.3	1245.3	1245.3	1245.3	1245.3	1245.3	1245.3
2.5°	1255.8	1255.8	1262.9	1265.3	1265.3	1261.7	1258.2	1261.7	1272.3	1275.8	1274.7
5°	1251.1	1260.5	1273.5	1275.8	1278.2	1277.0	1274.7	1277.0	1288.8	1291.2	1292.3
7.5°	1241.7	1259.4	1275.8	1279.4	1282.9	1279.4	1278.2	1280.6	1292.3	1294.7	1294.7
10°	1229.9	1254.7	1273.5	1275.8	1279.4	1275.8	1275.8	1280.6	1292.3	1294.7	1295.8
12.5°	1213.4	1247.5	1265.3	1267.6	1272.3	1271.2	1269.9	1274.7	1286.4	1288.8	1288.8
15°	1194.6	1234.6	1251.1	1253.4	1261.7	1259.4	1259.4	1264.1	1277.0	1280.6	1279.4
17.5°	1168.7	1218.1	1237.0	1240.5	1246.4	1245.3	1246.4	1251.1	1262.9	1265.3	1266.4
20°	1139.2	1195.7	1218.1	1221.6	1227.5	1227.5	1227.5	1233.4	1245.3	1249.9	1249.9
22.5°	1099.1	1172.2	1195.7	1198.1	1205.2	1205.2	1207.5	1215.7	1226.4	1227.5	1227.5
25°	1052.0	1146.3	1166.3	1173.3	1180.4	1183.9	1187.5	1192.2	1195.7	1194.6	1195.7
27.5°	1002.6	1113.2	1139.2	1143.9	1153.3	1156.9	1161.6	1162.8	1163.9	1167.4	1165.2
30°	947.2	1067.3	1106.2	1111.0	1126.2	1128.6	1123.9	1126.2	1132.1	1134.5	1136.9
32.5°	884.7	999.0	1072.1	1082.7	1096.8	1089.7	1088.6	1092.1	1101.5	1101.5	1103.8
35°	799.9	946.0	1040.3	1049.7	1060.3	1052.0	1056.8	1057.9	1063.8	1067.3	1066.2
37.5°	706.9	900.1	1007.2	1014.3	1022.6	1012.0	1019.0	1022.6	1027.3	1024.9	1024.9
40°	624.4	828.2	968.4	973.1	980.2	971.9	979.0	981.3	983.7	981.3	980.2
42.5°	563.1	749.3	927.1	933.0	928.3	934.2	936.5	941.3	937.8	933.0	933.0
45°	516.0	728.0	882.3	889.5	882.3	891.8	895.3	895.3	884.7	882.3	881.2
47.5°	500.7	685.6	837.6	837.6	834.0	845.9	851.8	843.5	832.9	829.4	829.4
50°	499.5	638.5	776.3	771.7	788.1	802.2	796.4	788.1	779.8	766.9	766.9
52.5°	453.6	580.8	697.5	715.1	741.0	749.3	739.8	731.6	717.5	711.5	706.9
55°	420.5	520.7	625.5	660.9	688.0	698.6	680.9	672.7	651.4	647.9	645.6
57.5°	413.5	433.5	559.6	604.4	637.3	636.2	625.5	610.2	592.6	589.1	587.8
60°	379.3	313.4	488.9	541.9	576.1	572.6	563.1	548.9	532.5	530.1	527.8
62.5°	344.0	227.4	408.8	468.8	517.1	516.0	507.7	486.6	474.7	468.8	464.2
65°	292.1	190.9	291.0	390.0	459.4	461.8	444.2	428.8	415.9	408.8	407.6
67.5°	222.6	155.5	196.7	325.1	404.1	401.7	379.3	372.3	355.8	352.3	345.2
70°	164.9	103.6	136.7	263.9	349.9	344.0	326.3	318.1	302.8	294.5	289.8
72.5°	136.7	83.6	100.1	205.0	294.5	287.5	272.1	262.7	249.8	242.7	237.9
75°	110.8	88.4	76.6	151.9	239.2	234.4	220.3	210.9	200.3	190.9	192.0
77.5°	81.3	82.5	61.2	111.9	189.7	182.6	174.3	162.6	157.8	148.4	148.4
80°	61.2	64.8	45.9	76.6	136.7	136.7	129.5	121.4	113.1	108.4	108.4
82.5°	41.2	41.2	34.2	48.3	93.1	89.5	84.8	82.5	77.7	75.4	75.4
85°	18.9	23.5	21.2	29.4	50.7	53.0	53.0	50.7	49.4	47.2	48.3
87.5°	5.9	10.6	13.0	16.5	25.9	27.1	28.3	28.3	28.3	29.4	29.4
90°	11.0	19.8	28.5	30.7	48.2	71.6	83.3	74.0	55.5	41.6	41.6
92.5°	43.8	118.3	192.9	211.5	297.3	411.7	468.9	411.0	295.1	208.2	199.9
95°	105.2	241.5	377.8	411.9	731.4	1157.5	1370.6	1223.0	928.0	706.7	681.6
97.5°	181.9	302.1	422.5	452.5	985.4	1695.8	2051.0	1957.7	1771.3	1631.4	1583.7
100°	241.0	350.1	459.2	486.5	1077.8	1866.0	2260.2	2267.1	2280.7	2290.9	2234.0
102.5°	291.4	393.2	494.9	520.4	1120.1	1919.6	2319.4	2438.3	2675.8	2854.0	2805.4
105°	376.9	463.0	549.3	570.8	1151.5	1925.7	2312.8	2579.2	3111.9	3511.4	3485.3
107.5°	464.5	544.9	625.2	645.3	1157.3	1840.0	2181.3	2552.9	3296.0	3853.3	3859.6
110°	523.7	596.3	668.8	686.9	1148.6	1764.1	2071.8	2487.2	3317.9	3940.9	3968.2



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	581.8	650.9	720.0	737.3	1148.9	1697.7	1972.0	2397.1	3247.3	3885.0	3926.9
115°	669.4	733.2	797.0	813.0	1159.5	1621.6	1852.7	2262.2	3081.2	3695.5	3753.5
117.5°	756.0	813.9	871.9	886.4	1181.1	1574.0	1770.5	2140.1	2879.2	3433.6	3498.0
120°	806.4	860.9	915.5	929.1	1198.6	1557.9	1737.6	2075.3	2750.8	3257.3	3319.8
122.5°	855.6	910.7	965.7	979.5	1223.8	1549.6	1712.4	2016.5	2624.7	3080.8	3142.6
125°	931.3	981.4	1031.6	1044.1	1257.7	1542.6	1685.0	1943.3	2459.9	2847.5	2904.3
127.5°	992.7	1043.2	1093.9	1106.6	1291.7	1538.6	1662.0	1883.8	2327.4	2660.1	2708.1
130°	1025.5	1080.0	1134.6	1148.2	1316.6	1541.0	1653.2	1850.7	2245.6	2541.8	2586.2
132.5°	1059.5	1114.0	1168.6	1182.2	1336.7	1542.6	1645.6	1822.3	2175.8	2441.0	2480.7
135°	1109.8	1159.5	1209.2	1221.6	1358.6	1541.2	1632.4	1780.5	2076.6	2298.6	2332.8
137.5°	1161.4	1210.6	1259.7	1272.0	1391.4	1550.6	1630.3	1755.5	2005.7	2193.4	2221.4
140°	1204.1	1249.4	1294.6	1305.9	1411.5	1552.2	1622.6	1730.7	1946.9	2109.1	2135.2
142.5°	1236.9	1278.8	1320.7	1331.2	1428.3	1557.8	1622.6	1717.5	1907.4	2049.9	2072.4
145°	1287.3	1323.9	1360.4	1369.5	1450.3	1557.8	1611.6	1689.2	1844.6	1961.2	1978.2
147.5°	1337.7	1373.3	1408.9	1417.8	1482.4	1568.6	1611.6	1672.7	1794.9	1886.6	1900.7
150°	1370.6	1402.7	1434.9	1442.9	1499.1	1574.1	1611.6	1663.2	1766.4	1843.9	1855.3
152.5°	1404.6	1428.9	1453.3	1459.4	1510.2	1577.8	1611.6	1655.7	1743.8	1809.9	1818.5
155°	1455.0	1473.0	1491.0	1495.5	1534.2	1585.8	1611.6	1646.6	1716.8	1769.4	1775.1
157.5°	1492.2	1509.8	1527.3	1531.7	1558.3	1593.9	1611.6	1638.9	1693.5	1734.4	1738.4
160°	1517.4	1531.1	1544.7	1548.1	1569.3	1597.5	1611.6	1635.0	1681.8	1716.8	1719.1
162.5°	1542.6	1552.8	1563.1	1565.7	1580.9	1601.4	1611.6	1631.4	1670.8	1700.4	1702.6
165°	1570.0	1579.2	1588.5	1590.8	1597.7	1606.9	1611.6	1625.7	1654.0	1675.2	1677.5
167.5°	1595.2	1599.6	1604.0	1605.1	1610.9	1618.7	1622.6	1631.8	1650.3	1664.2	1665.2
170°	1611.6	1616.0	1620.4	1621.5	1621.9	1622.3	1622.6	1631.8	1650.3	1664.2	1664.2
172.5°	1620.4	1621.3	1622.3	1622.6	1622.6	1622.6	1622.6	1629.9	1644.4	1655.4	1654.5
175°	1632.4	1632.4	1632.4	1632.4	1629.2	1624.8	1622.6	1627.2	1636.5	1643.4	1643.4
177.5°	1632.4	1632.4	1632.4	1632.4	1629.9	1626.4	1624.8	1628.5	1635.7	1641.2	1640.2
180°	1632.4	1632.4	1632.4	1632.4	1632.4	1632.4	1632.4	1632.4	1632.4	1632.4	1632.4



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1245.3	1245.3	1245.3	1245.3	1245.3	1245.3	1245.3	1245.3	1245.3	1245.3	1245.3
2.5°	1277.0	1273.5	1277.0	1274.7	1275.8	1272.3	1261.7	1258.2	1261.7	1265.3	1265.3
5°	1292.3	1290.0	1292.3	1292.3	1291.2	1288.8	1277.0	1274.7	1277.0	1278.2	1275.8
7.5°	1297.1	1293.6	1297.1	1294.7	1294.7	1292.3	1280.6	1278.2	1279.4	1282.9	1279.4
10°	1297.1	1293.6	1297.1	1295.8	1294.7	1292.3	1280.6	1275.8	1275.8	1279.4	1275.8
12.5°	1291.2	1288.8	1291.2	1288.8	1288.8	1286.4	1274.7	1269.9	1271.2	1272.3	1267.6
15°	1281.7	1278.2	1281.7	1279.4	1280.6	1277.0	1264.1	1259.4	1259.4	1261.7	1253.4
17.5°	1267.6	1262.9	1267.6	1266.4	1265.3	1262.9	1251.1	1246.4	1245.3	1246.4	1240.5
20°	1251.1	1247.5	1251.1	1249.9	1249.9	1245.3	1233.4	1227.5	1227.5	1227.5	1221.6
22.5°	1225.2	1221.6	1225.2	1227.5	1227.5	1226.4	1215.7	1207.5	1205.2	1205.2	1198.1
25°	1195.7	1192.2	1195.7	1195.7	1194.6	1195.7	1192.2	1187.5	1183.9	1180.4	1173.3
27.5°	1167.4	1165.2	1167.4	1165.2	1167.4	1163.9	1162.8	1161.6	1156.9	1153.3	1143.9
30°	1139.2	1136.9	1139.2	1136.9	1134.5	1132.1	1126.2	1123.9	1128.6	1126.2	1111.0
32.5°	1103.8	1101.5	1103.8	1103.8	1101.5	1101.5	1092.1	1088.6	1089.7	1096.8	1082.7
35°	1067.3	1063.8	1067.3	1066.2	1067.3	1063.8	1057.9	1056.8	1052.0	1060.3	1049.7
37.5°	1024.9	1021.4	1024.9	1024.9	1024.9	1027.3	1022.6	1019.0	1012.0	1022.6	1014.3
40°	981.3	976.6	981.3	980.2	981.3	983.7	981.3	979.0	971.9	980.2	973.1
42.5°	931.9	930.6	931.9	933.0	933.0	937.8	941.3	936.5	934.2	928.3	933.0
45°	878.8	876.5	878.8	881.2	882.3	884.7	895.3	895.3	891.8	882.3	889.5
47.5°	822.3	816.4	822.3	829.4	829.4	832.9	843.5	851.8	845.9	834.0	837.6
50°	762.2	763.4	762.2	766.9	766.9	779.8	788.1	796.4	802.2	788.1	771.7
52.5°	703.3	702.1	703.3	706.9	711.5	717.5	731.6	739.8	749.3	741.0	715.1
55°	644.4	646.8	644.4	645.6	647.9	651.4	672.7	680.9	698.6	688.0	660.9
57.5°	585.5	582.0	585.5	587.8	589.1	592.6	610.2	625.5	636.2	637.3	604.4
60°	517.1	512.5	517.1	527.8	530.1	532.5	548.9	563.1	572.6	576.1	541.9
62.5°	457.1	448.8	457.1	464.2	468.8	474.7	486.6	507.7	516.0	517.1	468.8
65°	393.5	390.0	393.5	407.6	408.8	415.9	428.8	444.2	461.8	459.4	390.0
67.5°	335.8	335.8	335.8	345.2	352.3	355.8	372.3	379.3	401.7	404.1	325.1
70°	282.7	281.6	282.7	289.8	294.5	302.8	318.1	326.3	344.0	349.9	263.9
72.5°	232.0	230.9	232.0	237.9	242.7	249.8	262.7	272.1	287.5	294.5	205.0
75°	187.3	185.0	187.3	192.0	190.9	200.3	210.9	220.3	234.4	239.2	151.9
77.5°	143.7	143.7	143.7	148.4	148.4	157.8	162.6	174.3	182.6	189.7	111.9
80°	107.2	106.0	107.2	108.4	108.4	113.1	121.4	129.5	136.7	136.7	76.6
82.5°	75.4	73.1	75.4	75.4	75.4	77.7	82.5	84.8	89.5	93.1	48.3
85°	47.2	47.2	47.2	48.3	47.2	49.4	50.7	53.0	53.0	50.7	29.4
87.5°	30.7	29.4	30.7	29.4	29.4	28.3	28.3	28.3	27.1	25.9	16.5
90°	41.6	41.6	41.6	41.6	41.6	55.5	74.0	83.3	71.6	48.2	30.7
92.5°	166.8	133.7	166.8	199.9	208.2	295.1	411.0	468.9	411.7	297.3	211.5
95°	581.3	481.0	581.3	681.6	706.7	928.0	1223.0	1370.6	1157.5	731.4	411.9
97.5°	1392.7	1201.9	1392.7	1583.7	1631.4	1771.3	1957.7	2051.0	1695.8	985.4	452.5
100°	2006.7	1779.3	2006.7	2234.0	2290.9	2280.7	2267.1	2260.2	1866.0	1077.8	486.5
102.5°	2610.6	2415.9	2610.6	2805.4	2854.0	2675.8	2438.3	2319.4	1919.6	1120.1	520.4
105°	3380.6	3275.9	3380.6	3485.3	3511.4	3111.9	2579.2	2312.8	1925.7	1151.5	570.8
107.5°	3884.9	3910.2	3884.9	3859.6	3853.3	3296.0	2552.9	2181.3	1840.0	1157.3	645.3
110°	4077.2	4186.3	4077.2	3968.2	3940.9	3317.9	2487.2	2071.8	1764.1	1148.6	686.9



TEST NUMBER: P935865

CATALOG NUMBER: SQ4-FA-150U-050D-93050-1D-UNV-STD-W-8-3000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	4094.4	4261.9	4094.4	3926.9	3885.0	3247.3	2397.1	1972.0	1697.7	1148.9	737.3
115°	3985.8	4218.0	3985.8	3753.5	3695.5	3081.2	2262.2	1852.7	1621.6	1159.5	813.0
117.5°	3755.6	4013.2	3755.6	3498.0	3433.6	2879.2	2140.1	1770.5	1574.0	1181.1	886.4
120°	3570.1	3820.3	3570.1	3319.8	3257.3	2750.8	2075.3	1737.6	1557.9	1198.6	929.1
122.5°	3389.5	3636.3	3389.5	3142.6	3080.8	2624.7	2016.5	1712.4	1549.6	1223.8	979.5
125°	3131.8	3359.2	3131.8	2904.3	2847.5	2459.9	1943.3	1685.0	1542.6	1257.7	1044.1
127.5°	2900.0	3091.8	2900.0	2708.1	2660.1	2327.4	1883.8	1662.0	1538.6	1291.7	1106.6
130°	2763.4	2940.6	2763.4	2586.2	2541.8	2245.6	1850.7	1653.2	1541.0	1316.6	1148.2
132.5°	2639.4	2798.2	2639.4	2480.7	2441.0	2175.8	1822.3	1645.6	1542.6	1336.7	1182.2
135°	2469.6	2606.4	2469.6	2332.8	2298.6	2076.6	1780.5	1632.4	1541.2	1358.6	1221.6
137.5°	2333.4	2445.4	2333.4	2221.4	2193.4	2005.7	1755.5	1630.3	1550.6	1391.4	1272.0
140°	2239.9	2344.6	2239.9	2135.2	2109.1	1946.9	1730.7	1622.6	1552.2	1411.5	1305.9
142.5°	2162.5	2252.6	2162.5	2072.4	2049.9	1907.4	1717.5	1622.6	1557.8	1428.3	1331.2
145°	2046.4	2114.5	2046.4	1978.2	1961.2	1844.6	1689.2	1611.6	1557.8	1450.3	1369.5
147.5°	1957.2	2013.7	1957.2	1900.7	1886.6	1794.9	1672.7	1611.6	1568.6	1482.4	1417.8
150°	1901.2	1946.9	1901.2	1855.3	1843.9	1766.4	1663.2	1611.6	1574.1	1499.1	1442.9
152.5°	1853.1	1887.7	1853.1	1818.5	1809.9	1743.8	1655.7	1611.6	1577.8	1510.2	1459.4
155°	1798.1	1820.9	1798.1	1775.1	1769.4	1716.8	1646.6	1611.6	1585.8	1534.2	1495.5
157.5°	1754.4	1770.5	1754.4	1738.4	1734.4	1693.5	1638.9	1611.6	1593.9	1558.3	1531.7
160°	1728.4	1737.6	1728.4	1719.1	1716.8	1681.8	1635.0	1611.6	1597.5	1569.3	1548.1
162.5°	1711.3	1720.1	1711.3	1702.6	1700.4	1670.8	1631.4	1611.6	1601.4	1580.9	1565.7
165°	1686.8	1696.0	1686.8	1677.5	1675.2	1654.0	1625.7	1611.6	1606.9	1597.7	1590.8
167.5°	1669.1	1673.0	1669.1	1665.2	1664.2	1650.3	1631.8	1622.6	1618.7	1610.9	1605.1
170°	1664.2	1664.2	1664.2	1664.2	1664.2	1650.3	1631.8	1622.6	1622.3	1621.9	1621.5
172.5°	1651.2	1647.8	1651.2	1654.5	1655.4	1644.4	1629.9	1622.6	1622.6	1622.6	1622.6
175°	1643.4	1643.4	1643.4	1643.4	1643.4	1636.5	1627.2	1622.6	1624.8	1629.2	1632.4
177.5°	1636.3	1632.4	1636.3	1640.2	1641.2	1635.7	1628.5	1624.8	1626.4	1629.9	1632.4
180°	1632.4	1632.4	1632.4	1632.4	1632.4	1632.4	1632.4	1632.4	1632.4	1632.4	1632.4



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CATALOG NUMBER: SQ4-FA-150U-050D-93050-1D-UNV-STD-W-8-3000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1245.3	1245.3	1245.3	1245.3	1245.3	1245.3	1245.3	1245.3	1245.3	1245.3	1245.3
2.5°	1262.9	1255.8	1255.8	1244.0	1239.4	1235.8	1229.9	1212.2	1207.5	1202.8	1209.9
5°	1273.5	1260.5	1251.1	1229.9	1212.2	1205.2	1182.8	1140.4	1112.1	1090.8	1079.1
7.5°	1275.8	1259.4	1241.7	1208.7	1166.3	1147.4	1079.1	1001.4	980.2	961.3	949.5
10°	1273.5	1254.7	1229.9	1180.4	1080.3	1047.3	979.0	928.3	915.4	911.9	915.4
12.5°	1265.3	1247.5	1213.4	1131.0	990.7	968.4	928.3	898.9	896.5	902.4	934.2
15°	1251.1	1234.6	1194.6	1064.9	941.3	924.8	896.5	885.9	898.9	940.1	1035.5
17.5°	1237.0	1218.1	1168.7	1000.2	903.6	891.8	871.8	893.0	966.0	1021.4	1053.2
20°	1218.1	1195.7	1139.2	953.0	876.5	865.9	856.4	951.9	1007.2	1027.3	1044.9
22.5°	1195.7	1172.2	1099.1	920.1	848.2	840.0	845.9	984.8	1007.2	1021.4	1036.7
25°	1166.3	1146.3	1052.0	894.2	825.9	816.4	838.8	981.3	994.3	997.8	1028.5
27.5°	1139.2	1113.2	1002.6	870.6	798.7	795.2	844.7	966.0	975.4	979.0	1012.0
30°	1106.2	1067.3	947.2	845.9	770.4	769.3	845.9	947.2	944.8	954.3	987.2
32.5°	1072.1	999.0	884.7	815.2	743.4	742.2	837.6	918.9	916.5	929.5	954.3
35°	1040.3	946.0	799.9	779.8	709.2	710.4	817.6	885.9	887.1	898.9	914.2
37.5°	1007.2	900.1	706.9	741.0	676.2	676.2	790.5	855.3	852.9	856.4	877.7
40°	968.4	828.2	624.4	690.3	645.6	642.0	757.5	822.3	814.0	812.9	842.3
42.5°	927.1	749.3	563.1	623.2	610.2	605.5	717.5	782.2	766.9	770.4	808.1
45°	882.3	728.0	516.0	526.6	573.7	570.2	673.8	736.3	725.7	735.1	774.0
47.5°	837.6	685.6	500.7	437.0	534.9	533.7	625.5	691.5	685.6	695.1	736.3
50°	776.3	638.5	499.5	374.6	491.2	496.0	567.8	647.9	647.9	656.2	699.7
52.5°	697.5	580.8	453.6	339.3	440.6	454.7	517.1	610.2	612.6	620.9	659.7
55°	625.5	520.7	420.5	312.1	380.5	411.1	467.7	571.3	576.1	584.3	619.6
57.5°	559.6	433.5	413.5	280.4	325.1	354.6	424.1	533.7	536.0	543.1	577.2
60°	488.9	313.4	379.3	246.2	276.8	299.2	384.1	488.9	497.1	501.9	531.3
62.5°	408.8	227.4	344.0	222.6	253.3	258.0	351.1	446.5	457.1	460.7	478.3
65°	291.0	190.9	292.1	202.6	228.5	229.8	315.7	402.9	412.4	418.2	431.2
67.5°	196.7	155.5	222.6	183.7	209.7	210.9	281.6	352.3	365.2	369.9	378.2
70°	136.7	103.6	164.9	163.7	188.5	190.9	245.0	306.3	318.1	321.6	326.3
72.5°	100.1	83.6	136.7	147.3	166.1	168.5	207.4	254.4	266.2	269.8	272.1
75°	76.6	88.4	110.8	128.4	141.4	142.5	169.6	207.4	215.6	217.9	219.1
77.5°	61.2	82.5	81.3	103.6	115.4	113.1	133.2	160.2	167.3	167.3	167.3
80°	45.9	64.8	61.2	74.2	84.8	82.5	95.4	114.3	116.6	119.0	117.8
82.5°	34.2	41.2	41.2	47.2	56.6	54.2	63.6	74.2	74.2	74.2	76.6
85°	21.2	23.5	18.9	24.8	31.8	30.7	35.3	40.1	41.2	41.2	38.9
87.5°	13.0	10.6	5.9	9.4	14.1	14.1	16.5	17.7	16.5	16.5	16.5
90°	28.5	19.8	11.0	19.8	28.5	30.7	48.2	71.6	83.3	74.0	55.5
92.5°	192.9	118.3	43.8	118.3	192.9	211.5	297.3	411.7	468.9	411.0	295.1
95°	377.8	241.5	105.2	241.5	377.8	411.9	731.4	1157.5	1370.6	1223.0	928.0
97.5°	422.5	302.1	181.9	302.1	422.5	452.5	985.4	1695.8	2051.0	1957.7	1771.3
100°	459.2	350.1	241.0	350.1	459.2	486.5	1077.8	1866.0	2260.2	2267.1	2280.7
102.5°	494.9	393.2	291.4	393.2	494.9	520.4	1120.1	1919.6	2319.4	2438.3	2675.8
105°	549.3	463.0	376.9	463.0	549.3	570.8	1151.5	1925.7	2312.8	2579.2	3111.9
107.5°	625.2	544.9	464.5	544.9	625.2	645.3	1157.3	1840.0	2181.3	2552.9	3296.0
110°	668.8	596.3	523.7	596.3	668.8	686.9	1148.6	1764.1	2071.8	2487.2	3317.9



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CATALOG NUMBER: SQ4-FA-150U-050D-93050-1D-UNV-STD-W-8-3000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	720.0	650.9	581.8	650.9	720.0	737.3	1148.9	1697.7	1972.0	2397.1	3247.3
115°	797.0	733.2	669.4	733.2	797.0	813.0	1159.5	1621.6	1852.7	2262.2	3081.2
117.5°	871.9	813.9	756.0	813.9	871.9	886.4	1181.1	1574.0	1770.5	2140.1	2879.2
120°	915.5	860.9	806.4	860.9	915.5	929.1	1198.6	1557.9	1737.6	2075.3	2750.8
122.5°	965.7	910.7	855.6	910.7	965.7	979.5	1223.8	1549.6	1712.4	2016.5	2624.7
125°	1031.6	981.4	931.3	981.4	1031.6	1044.1	1257.7	1542.6	1685.0	1943.3	2459.9
127.5°	1093.9	1043.2	992.7	1043.2	1093.9	1106.6	1291.7	1538.6	1662.0	1883.8	2327.4
130°	1134.6	1080.0	1025.5	1080.0	1134.6	1148.2	1316.6	1541.0	1653.2	1850.7	2245.6
132.5°	1168.6	1114.0	1059.5	1114.0	1168.6	1182.2	1336.7	1542.6	1645.6	1822.3	2175.8
135°	1209.2	1159.5	1109.8	1159.5	1209.2	1221.6	1358.6	1541.2	1632.4	1780.5	2076.6
137.5°	1259.7	1210.6	1161.4	1210.6	1259.7	1272.0	1391.4	1550.6	1630.3	1755.5	2005.7
140°	1294.6	1249.4	1204.1	1249.4	1294.6	1305.9	1411.5	1552.2	1622.6	1730.7	1946.9
142.5°	1320.7	1278.8	1236.9	1278.8	1320.7	1331.2	1428.3	1557.8	1622.6	1717.5	1907.4
145°	1360.4	1323.9	1287.3	1323.9	1360.4	1369.5	1450.3	1557.8	1611.6	1689.2	1844.6
147.5°	1408.9	1373.3	1337.7	1373.3	1408.9	1417.8	1482.4	1568.6	1611.6	1672.7	1794.9
150°	1434.9	1402.7	1370.6	1402.7	1434.9	1442.9	1499.1	1574.1	1611.6	1663.2	1766.4
152.5°	1453.3	1428.9	1404.6	1428.9	1453.3	1459.4	1510.2	1577.8	1611.6	1655.7	1743.8
155°	1491.0	1473.0	1455.0	1473.0	1491.0	1495.5	1534.2	1585.8	1611.6	1646.6	1716.8
157.5°	1527.3	1509.8	1492.2	1509.8	1527.3	1531.7	1558.3	1593.9	1611.6	1638.9	1693.5
160°	1544.7	1531.1	1517.4	1531.1	1544.7	1548.1	1569.3	1597.5	1611.6	1635.0	1681.8
162.5°	1563.1	1552.8	1542.6	1552.8	1563.1	1565.7	1580.9	1601.4	1611.6	1631.4	1670.8
165°	1588.5	1579.2	1570.0	1579.2	1588.5	1590.8	1597.7	1606.9	1611.6	1625.7	1654.0
167.5°	1604.0	1599.6	1595.2	1599.6	1604.0	1605.1	1610.9	1618.7	1622.6	1631.8	1650.3
170°	1620.4	1616.0	1611.6	1616.0	1620.4	1621.5	1621.9	1622.3	1622.6	1631.8	1650.3
172.5°	1622.3	1621.3	1620.4	1621.3	1622.3	1622.6	1622.6	1622.6	1622.6	1629.9	1644.4
175°	1632.4	1632.4	1632.4	1632.4	1632.4	1632.4	1629.2	1624.8	1622.6	1627.2	1636.5
177.5°	1632.4	1632.4	1632.4	1632.4	1632.4	1632.4	1629.9	1626.4	1624.8	1628.5	1635.7
180°	1632.4	1632.4	1632.4	1632.4	1632.4	1632.4	1632.4	1632.4	1632.4	1632.4	1632.4



TEST NUMBER: P935865

CATALOG NUMBER: SQ4-FA-150U-050D-93050-1D-UNV-STD-W-8-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1245.3	1245.3	1245.3	1245.3	1245.3	1245.3	1245.3	1245.3	1245.3	1245.3	1245.3
2.5°	1201.6	1198.1	1202.8	1189.8	1202.8	1198.1	1201.6	1209.9	1202.8	1207.5	1212.2
5°	1054.4	1048.5	1029.6	1014.3	1029.6	1048.5	1054.4	1079.1	1090.8	1112.1	1140.4
7.5°	942.4	937.8	933.0	923.6	933.0	937.8	942.4	949.5	961.3	980.2	1001.4
10°	917.7	918.9	926.0	924.8	926.0	918.9	917.7	915.4	911.9	915.4	928.3
12.5°	981.3	992.0	1030.8	1028.5	1030.8	992.0	981.3	934.2	902.4	896.5	898.9
15°	1054.4	1057.9	1066.2	1067.3	1066.2	1057.9	1054.4	1035.5	940.1	898.9	885.9
17.5°	1061.4	1062.7	1068.5	1068.5	1068.5	1062.7	1061.4	1053.2	1021.4	966.0	893.0
20°	1055.5	1057.9	1069.7	1072.1	1069.7	1057.9	1055.5	1044.9	1027.3	1007.2	951.9
22.5°	1053.2	1057.9	1067.3	1066.2	1067.3	1057.9	1053.2	1036.7	1021.4	1007.2	984.8
25°	1041.4	1041.4	1042.6	1043.8	1042.6	1041.4	1041.4	1028.5	997.8	994.3	981.3
27.5°	1016.6	1019.0	1026.1	1024.9	1026.1	1019.0	1016.6	1012.0	979.0	975.4	966.0
30°	994.3	992.0	986.1	981.3	986.1	992.0	994.3	987.2	954.3	944.8	947.2
32.5°	956.6	950.7	944.8	941.3	944.8	950.7	956.6	954.3	929.5	916.5	918.9
35°	911.9	913.0	911.9	908.3	911.9	913.0	911.9	914.2	898.9	887.1	885.9
37.5°	880.1	882.3	881.2	876.5	881.2	882.3	880.1	877.7	856.4	852.9	855.3
40°	847.0	848.2	847.0	843.5	847.0	848.2	847.0	842.3	812.9	814.0	822.3
42.5°	815.2	814.0	810.5	808.1	810.5	814.0	815.2	808.1	770.4	766.9	782.2
45°	778.7	779.8	772.8	769.3	772.8	779.8	778.7	774.0	735.1	725.7	736.3
47.5°	742.2	742.2	736.3	732.8	736.3	742.2	742.2	736.3	695.1	685.6	691.5
50°	703.3	702.1	693.9	692.7	693.9	702.1	703.3	699.7	656.2	647.9	647.9
52.5°	658.6	658.6	659.7	662.1	659.7	658.6	658.6	659.7	620.9	612.6	610.2
55°	619.6	620.9	629.1	631.4	629.1	620.9	619.6	619.6	584.3	576.1	571.3
57.5°	579.6	579.6	585.5	585.5	585.5	579.6	579.6	577.2	543.1	536.0	533.7
60°	533.7	536.0	540.8	539.5	540.8	536.0	533.7	531.3	501.9	497.1	488.9
62.5°	485.3	487.7	488.9	486.6	488.9	487.7	485.3	478.3	460.7	457.1	446.5
65°	434.7	437.0	438.3	435.9	438.3	437.0	434.7	431.2	418.2	412.4	402.9
67.5°	382.9	381.7	380.5	385.2	380.5	381.7	382.9	378.2	369.9	365.2	352.3
70°	329.9	329.9	328.7	331.0	328.7	329.9	329.9	326.3	321.6	318.1	306.3
72.5°	273.3	272.1	276.8	273.3	276.8	272.1	273.3	272.1	269.8	266.2	254.4
75°	217.9	220.3	217.9	221.5	217.9	220.3	217.9	219.1	217.9	215.6	207.4
77.5°	166.1	168.5	166.1	166.1	166.1	168.5	166.1	167.3	167.3	167.3	160.2
80°	117.8	116.6	116.6	115.4	116.6	116.6	117.8	117.8	119.0	116.6	114.3
82.5°	75.4	74.2	74.2	76.6	74.2	74.2	75.4	76.6	74.2	74.2	74.2
85°	41.2	42.4	40.1	40.1	40.1	42.4	41.2	38.9	41.2	41.2	40.1
87.5°	15.3	14.1	14.1	14.1	14.1	14.1	15.3	16.5	16.5	16.5	17.7
90°	41.6	41.6	41.6	41.6	41.6	41.6	41.6	55.5	74.0	83.3	71.6
92.5°	208.2	199.9	166.8	133.7	166.8	199.9	208.2	295.1	411.0	468.9	411.7
95°	706.7	681.6	581.3	481.0	581.3	681.6	706.7	928.0	1223.0	1370.6	1157.5
97.5°	1631.4	1583.7	1392.7	1201.9	1392.7	1583.7	1631.4	1771.3	1957.7	2051.0	1695.8
100°	2290.9	2234.0	2006.7	1779.3	2006.7	2234.0	2290.9	2280.7	2267.1	2260.2	1866.0
102.5°	2854.0	2805.4	2610.6	2415.9	2610.6	2805.4	2854.0	2675.8	2438.3	2319.4	1919.6
105°	3511.4	3485.3	3380.6	3275.9	3380.6	3485.3	3511.4	3111.9	2579.2	2312.8	1925.7
107.5°	3853.3	3859.6	3884.9	3910.2	3884.9	3859.6	3853.3	3296.0	2552.9	2181.3	1840.0
110°	3940.9	3968.2	4077.2	4186.3	4077.2	3968.2	3940.9	3317.9	2487.2	2071.8	1764.1



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3885.0	3926.9	4094.4	4261.9	4094.4	3926.9	3885.0	3247.3	2397.1	1972.0	1697.7
115°	3695.5	3753.5	3985.8	4218.0	3985.8	3753.5	3695.5	3081.2	2262.2	1852.7	1621.6
117.5°	3433.6	3498.0	3755.6	4013.2	3755.6	3498.0	3433.6	2879.2	2140.1	1770.5	1574.0
120°	3257.3	3319.8	3570.1	3820.3	3570.1	3319.8	3257.3	2750.8	2075.3	1737.6	1557.9
122.5°	3080.8	3142.6	3389.5	3636.3	3389.5	3142.6	3080.8	2624.7	2016.5	1712.4	1549.6
125°	2847.5	2904.3	3131.8	3359.2	3131.8	2904.3	2847.5	2459.9	1943.3	1685.0	1542.6
127.5°	2660.1	2708.1	2900.0	3091.8	2900.0	2708.1	2660.1	2327.4	1883.8	1662.0	1538.6
130°	2541.8	2586.2	2763.4	2940.6	2763.4	2586.2	2541.8	2245.6	1850.7	1653.2	1541.0
132.5°	2441.0	2480.7	2639.4	2798.2	2639.4	2480.7	2441.0	2175.8	1822.3	1645.6	1542.6
135°	2298.6	2332.8	2469.6	2606.4	2469.6	2332.8	2298.6	2076.6	1780.5	1632.4	1541.2
137.5°	2193.4	2221.4	2333.4	2445.4	2333.4	2221.4	2193.4	2005.7	1755.5	1630.3	1550.6
140°	2109.1	2135.2	2239.9	2344.6	2239.9	2135.2	2109.1	1946.9	1730.7	1622.6	1552.2
142.5°	2049.9	2072.4	2162.5	2252.6	2162.5	2072.4	2049.9	1907.4	1717.5	1622.6	1557.8
145°	1961.2	1978.2	2046.4	2114.5	2046.4	1978.2	1961.2	1844.6	1689.2	1611.6	1557.8
147.5°	1886.6	1900.7	1957.2	2013.7	1957.2	1900.7	1886.6	1794.9	1672.7	1611.6	1568.6
150°	1843.9	1855.3	1901.2	1946.9	1901.2	1855.3	1843.9	1766.4	1663.2	1611.6	1574.1
152.5°	1809.9	1818.5	1853.1	1887.7	1853.1	1818.5	1809.9	1743.8	1655.7	1611.6	1577.8
155°	1769.4	1775.1	1798.1	1820.9	1798.1	1775.1	1769.4	1716.8	1646.6	1611.6	1585.8
157.5°	1734.4	1738.4	1754.4	1770.5	1754.4	1738.4	1734.4	1693.5	1638.9	1611.6	1593.9
160°	1716.8	1719.1	1728.4	1737.6	1728.4	1719.1	1716.8	1681.8	1635.0	1611.6	1597.5
162.5°	1700.4	1702.6	1711.3	1720.1	1711.3	1702.6	1700.4	1670.8	1631.4	1611.6	1601.4
165°	1675.2	1677.5	1686.8	1696.0	1686.8	1677.5	1675.2	1654.0	1625.7	1611.6	1606.9
167.5°	1664.2	1665.2	1669.1	1673.0	1669.1	1665.2	1664.2	1650.3	1631.8	1622.6	1618.7
170°	1664.2	1664.2	1664.2	1664.2	1664.2	1664.2	1664.2	1650.3	1631.8	1622.6	1622.3
172.5°	1655.4	1654.5	1651.2	1647.8	1651.2	1654.5	1655.4	1644.4	1629.9	1622.6	1622.6
175°	1643.4	1643.4	1643.4	1643.4	1643.4	1643.4	1643.4	1636.5	1627.2	1622.6	1624.8
177.5°	1641.2	1640.2	1636.3	1632.4	1636.3	1640.2	1641.2	1635.7	1628.5	1624.8	1626.4
180°	1632.4	1632.4	1632.4	1632.4	1632.4	1632.4	1632.4	1632.4	1632.4	1632.4	1632.4



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1245.3	1245.3	1245.3	1245.3	1245.3
2.5°	1229.9	1235.8	1239.4	1244.0	1255.8
5°	1182.8	1205.2	1212.2	1229.9	1251.1
7.5°	1079.1	1147.4	1166.3	1208.7	1241.7
10°	979.0	1047.3	1080.3	1180.4	1229.9
12.5°	928.3	968.4	990.7	1131.0	1213.4
15°	896.5	924.8	941.3	1064.9	1194.6
17.5°	871.8	891.8	903.6	1000.2	1168.7
20°	856.4	865.9	876.5	953.0	1139.2
22.5°	845.9	840.0	848.2	920.1	1099.1
25°	838.8	816.4	825.9	894.2	1052.0
27.5°	844.7	795.2	798.7	870.6	1002.6
30°	845.9	769.3	770.4	845.9	947.2
32.5°	837.6	742.2	743.4	815.2	884.7
35°	817.6	710.4	709.2	779.8	799.9
37.5°	790.5	676.2	676.2	741.0	706.9
40°	757.5	642.0	645.6	690.3	624.4
42.5°	717.5	605.5	610.2	623.2	563.1
45°	673.8	570.2	573.7	526.6	516.0
47.5°	625.5	533.7	534.9	437.0	500.7
50°	567.8	496.0	491.2	374.6	499.5
52.5°	517.1	454.7	440.6	339.3	453.6
55°	467.7	411.1	380.5	312.1	420.5
57.5°	424.1	354.6	325.1	280.4	413.5
60°	384.1	299.2	276.8	246.2	379.3
62.5°	351.1	258.0	253.3	222.6	344.0
65°	315.7	229.8	228.5	202.6	292.1
67.5°	281.6	210.9	209.7	183.7	222.6
70°	245.0	190.9	188.5	163.7	164.9
72.5°	207.4	168.5	166.1	147.3	136.7
75°	169.6	142.5	141.4	128.4	110.8
77.5°	133.2	113.1	115.4	103.6	81.3
80°	95.4	82.5	84.8	74.2	61.2
82.5°	63.6	54.2	56.6	47.2	41.2
85°	35.3	30.7	31.8	24.8	18.9
87.5°	16.5	14.1	14.1	9.4	5.9
90°	48.2	30.7	28.5	19.8	11.0
92.5°	297.3	211.5	192.9	118.3	43.8
95°	731.4	411.9	377.8	241.5	105.2
97.5°	985.4	452.5	422.5	302.1	181.9
100°	1077.8	486.5	459.2	350.1	241.0
102.5°	1120.1	520.4	494.9	393.2	291.4
105°	1151.5	570.8	549.3	463.0	376.9
107.5°	1157.3	645.3	625.2	544.9	464.5
110°	1148.6	686.9	668.8	596.3	523.7



TEST NUMBER: P935865

CATALOG NUMBER: SQ4-FA-150U-050D-93050-1D-UNV-STD-W-8-3000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1148.9	737.3	720.0	650.9	581.8
115°	1159.5	813.0	797.0	733.2	669.4
117.5°	1181.1	886.4	871.9	813.9	756.0
120°	1198.6	929.1	915.5	860.9	806.4
122.5°	1223.8	979.5	965.7	910.7	855.6
125°	1257.7	1044.1	1031.6	981.4	931.3
127.5°	1291.7	1106.6	1093.9	1043.2	992.7
130°	1316.6	1148.2	1134.6	1080.0	1025.5
132.5°	1336.7	1182.2	1168.6	1114.0	1059.5
135°	1358.6	1221.6	1209.2	1159.5	1109.8
137.5°	1391.4	1272.0	1259.7	1210.6	1161.4
140°	1411.5	1305.9	1294.6	1249.4	1204.1
142.5°	1428.3	1331.2	1320.7	1278.8	1236.9
145°	1450.3	1369.5	1360.4	1323.9	1287.3
147.5°	1482.4	1417.8	1408.9	1373.3	1337.7
150°	1499.1	1442.9	1434.9	1402.7	1370.6
152.5°	1510.2	1459.4	1453.3	1428.9	1404.6
155°	1534.2	1495.5	1491.0	1473.0	1455.0
157.5°	1558.3	1531.7	1527.3	1509.8	1492.2
160°	1569.3	1548.1	1544.7	1531.1	1517.4
162.5°	1580.9	1565.7	1563.1	1552.8	1542.6
165°	1597.7	1590.8	1588.5	1579.2	1570.0
167.5°	1610.9	1605.1	1604.0	1599.6	1595.2
170°	1621.9	1621.5	1620.4	1616.0	1611.6
172.5°	1622.6	1622.6	1622.3	1621.3	1620.4
175°	1629.2	1632.4	1632.4	1632.4	1632.4
177.5°	1629.9	1632.4	1632.4	1632.4	1632.4
180°	1632.4	1632.4	1632.4	1632.4	1632.4



TEST NUMBER: P935865
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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	7.69	8.36	8.85	9.50	11.11	10.53	11.19	11.69	12.34	13.94
	3H	8.15	8.75	9.32	9.90	11.52	11.86	12.46	13.03	13.61	15.23
	4H	8.33	8.90	9.51	10.05	11.68	12.30	12.86	13.47	14.01	15.64
	6H	8.44	8.96	9.62	10.12	11.75	12.57	13.09	13.75	14.25	15.88
	8H	8.44	8.93	9.62	10.10	11.73	12.64	13.14	13.83	14.31	15.93
	12H	8.40	8.87	9.59	10.03	11.68	12.68	13.15	13.86	14.31	15.96
4H	2H	8.70	9.27	9.88	10.42	12.04	10.91	11.48	12.09	12.63	14.25
	3H	9.71	10.18	10.89	11.36	12.99	12.40	12.87	13.59	14.05	15.69
	4H	9.98	10.41	11.16	11.58	13.23	12.92	13.36	14.11	14.52	16.18
	6H	10.09	10.46	11.28	11.65	13.29	13.28	13.65	14.47	14.84	16.48
	8H	10.09	10.44	11.28	11.62	13.28	13.38	13.73	14.57	14.91	16.57
	12H	10.05	10.36	11.25	11.55	13.22	13.43	13.75	14.64	14.93	16.60
8H	4H	10.42	10.76	11.60	11.94	13.60	13.03	13.38	14.22	14.56	16.22
	6H	10.67	10.95	11.88	12.18	13.83	13.46	13.75	14.67	14.97	16.63
	8H	10.71	10.96	11.92	12.16	13.84	13.61	13.86	14.83	15.06	16.74
	12H	10.68	10.90	11.90	12.10	13.81	13.70	13.92	14.92	15.12	16.83
12H	4H	10.41	10.73	11.62	11.92	13.58	12.99	13.30	14.19	14.49	16.16
	6H	10.73	10.98	11.94	12.17	13.85	13.46	13.71	14.67	14.90	16.58
	8H	10.79	11.00	12.00	12.20	13.91	13.61	13.83	14.83	15.02	16.74