

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: P935852

Luminaire Tested: SQ4-FA-150U-050D-930-1D-UNV-STD-W-8

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935852
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-930-1D-UNV-STD-W-8
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

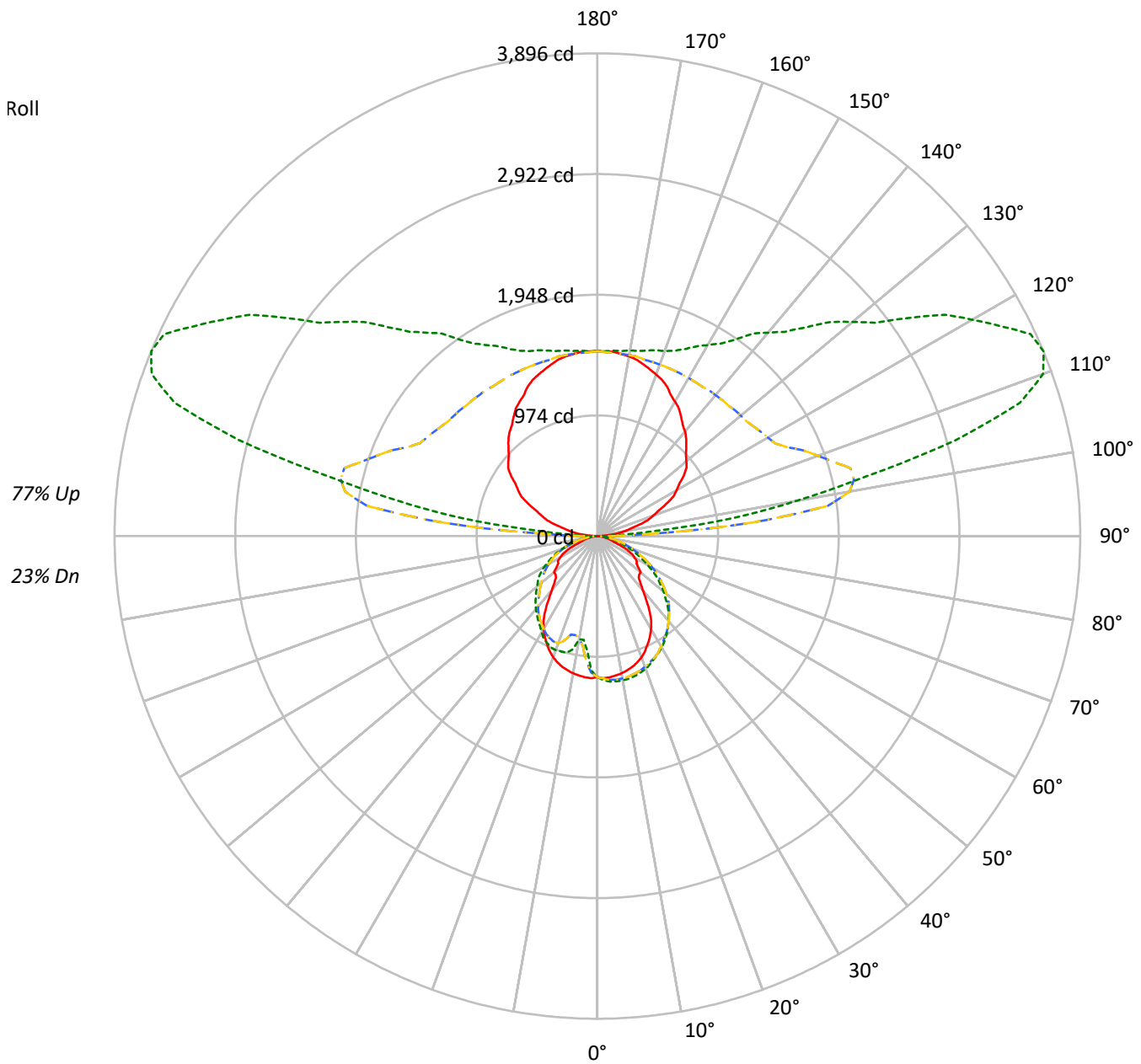
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12632.8 lumens
Efficiency: N/A
Efficacy: 113.6 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 (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	101	101	101	101	90	90	90	90	69	69	69	49	49	49	32	32	32	32	32	32	23
1	92	88	84	81	81	78	75	72	60	58	56	43	42	41	28	27	27	27	27	27	20
2	84	77	71	66	74	68	63	59	52	49	46	38	36	34	25	24	23	23	23	23	17
3	76	67	60	55	67	60	54	49	46	42	39	34	31	29	22	20	19	19	19	19	14
4	70	59	52	46	62	53	47	42	41	37	33	30	27	25	19	18	16	16	16	16	12
5	64	53	45	39	56	47	40	36	36	32	28	27	24	21	17	16	14	14	14	14	10
6	59	47	39	34	52	42	35	31	33	28	24	24	21	18	16	14	12	12	12	12	9
7	54	42	35	29	48	38	31	27	30	25	21	22	19	16	14	12	11	11	11	11	8
8	50	38	31	26	44	34	28	23	27	22	19	20	17	14	13	11	10	10	10	10	7
9	46	35	28	23	41	31	25	21	24	20	17	18	15	13	12	10	9	9	9	9	6
10	43	32	25	20	38	28	22	18	22	18	15	17	14	11	11	9	8	8	8	8	6

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	5282	5282	5282	5282
5°	5322	5332	5322	4193
10°	5286	5253	5286	3755
15°	5229	5138	5229	4291
20°	5119	5004	5119	4300
25°	4895	4807	4895	4209
30°	4606	4644	4606	4009
35°	4106	4437	4106	3789
40°	3422	4194	3422	3623
45°	3057	3910	3057	3431
50°	3248	3571	3248	3240
55°	3056	3205	3056	3129
60°	3150	2722	3150	2866
65°	2856	2250	2856	2515
70°	1978	1793	1978	2109
75°	1735	1326	1735	1587
80°	1397	876	1397	954
85°	806	464	806	394

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 4685 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.8	0.8
10°-20°	291.8	2.3
20°-30°	451.0	3.6
30°-40°	538.4	4.3
40°-50°	541.6	4.3
50°-60°	471.3	3.7
60°-70°	334.1	2.6
70°-80°	176.8	1.4
80°-90°	49.7	0.4
90°-100°	727.5	5.8
100°-110°	1912.7	15.1
110°-120°	1983.2	15.7
120°-130°	1590.8	12.6
130°-140°	1248.2	9.9
140°-150°	958.1	7.6
150°-160°	690.0	5.5
160°-170°	422.2	3.3
170°-180°	142.6	1.1
0°-30°	845.6	6.7
0°-40°	1384.0	11.0
0°-60°	2396.9	19.0
0°-90°	2957.5	23.4
90°-120°	4623.4	36.6
90°-150°	8420.5	66.7
90°-180°	9675.0	76.6
0°-180°	12632.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1138	1138	1138	1138	1138	
5°	1144	1179	1144	927	1144	109
15°	1092	1169	1092	976	1092	307
25°	962	1090	962	954	962	442
35°	731	973	731	830	731	452
45°	472	801	472	703	472	378
55°	384	591	384	577	384	353
65°	267	356	267	398	267	255
75°	101	169	101	202	101	106
85°	17	43	17	37	17	23
90°	10	38	10	38	10	9
95°	96	440	96	440	96	107
105°	345	2995	345	2995	345	365
115°	612	3856	612	3856	612	604
125°	851	3071	851	3071	851	756
135°	1015	2383	1015	2383	1015	785
145°	1177	1933	1177	1933	1177	737
155°	1330	1665	1330	1665	1330	611
165°	1435	1551	1435	1551	1435	405
175°	1492	1502	1492	1502	1492	142
180°	1492	1492	1492	1492	1492	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1138.5	1138.5	1138.5	1138.5	1138.5	1138.5	1138.5	1138.5	1138.5	1138.5	1138.5
2.5°	1148.1	1148.1	1154.6	1156.8	1156.8	1153.5	1150.3	1153.5	1163.2	1166.4	1165.4
5°	1143.9	1152.5	1164.4	1166.4	1168.6	1167.6	1165.4	1167.6	1178.3	1180.5	1181.5
7.5°	1135.2	1151.4	1166.4	1169.7	1172.9	1169.7	1168.6	1170.8	1181.5	1183.7	1183.7
10°	1124.4	1147.1	1164.4	1166.4	1169.7	1166.4	1166.4	1170.8	1181.5	1183.7	1184.7
12.5°	1109.3	1140.6	1156.8	1158.9	1163.2	1162.2	1161.1	1165.4	1176.2	1178.3	1178.3
15°	1092.2	1128.8	1143.9	1146.0	1153.5	1151.4	1151.4	1155.7	1167.6	1170.8	1169.7
17.5°	1068.5	1113.7	1130.9	1134.2	1139.5	1138.5	1139.5	1143.9	1154.6	1156.8	1157.8
20°	1041.5	1093.2	1113.7	1116.9	1122.3	1122.3	1122.3	1127.7	1138.5	1142.7	1142.7
22.5°	1004.9	1071.7	1093.2	1095.4	1101.9	1101.9	1104.0	1111.5	1121.2	1122.3	1122.3
25°	961.8	1048.0	1066.3	1072.7	1079.2	1082.4	1085.7	1090.0	1093.2	1092.2	1093.2
27.5°	916.6	1017.8	1041.5	1045.8	1054.4	1057.7	1062.0	1063.1	1064.1	1067.3	1065.3
30°	866.0	975.8	1011.4	1015.7	1029.7	1031.9	1027.5	1029.7	1035.1	1037.2	1039.4
32.5°	808.9	913.3	980.1	989.9	1002.8	996.3	995.2	998.5	1007.0	1007.0	1009.2
35°	731.3	864.9	951.1	959.7	969.4	961.8	966.2	967.2	972.6	975.8	974.8
37.5°	646.3	822.9	920.9	927.4	934.9	925.2	931.6	934.9	939.2	937.0	937.0
40°	570.9	757.1	885.4	889.6	896.1	888.6	895.0	897.2	899.4	897.2	896.1
42.5°	514.8	685.0	847.6	853.0	848.7	854.2	856.2	860.6	857.4	853.0	853.0
45°	471.8	665.6	806.7	813.2	806.7	815.4	818.6	818.6	808.9	806.7	805.6
47.5°	457.8	626.8	765.8	765.8	762.5	773.4	778.7	771.2	761.5	758.3	758.3
50°	456.7	583.8	709.8	705.5	720.5	733.5	728.1	720.5	713.0	701.2	701.2
52.5°	414.7	531.0	637.7	653.8	677.5	685.0	676.4	668.9	656.0	650.5	646.3
55°	384.5	476.1	571.9	604.3	629.0	638.7	622.6	615.0	595.6	592.4	590.2
57.5°	378.1	396.4	511.6	552.5	582.7	581.6	571.9	557.9	541.8	538.6	537.4
60°	346.8	286.5	446.9	495.5	526.7	523.5	514.8	501.9	486.9	484.7	482.5
62.5°	314.5	207.9	373.7	428.6	472.8	471.8	464.2	444.9	434.0	428.6	424.4
65°	267.1	174.5	266.0	356.5	420.0	422.2	406.1	392.0	380.2	373.7	372.7
67.5°	203.6	142.2	179.9	297.3	369.5	367.3	346.8	340.4	325.3	322.1	315.6
70°	150.8	94.8	124.9	241.3	319.9	314.5	298.3	290.8	276.8	269.2	265.0
72.5°	124.9	76.4	91.5	187.4	269.2	262.8	248.8	240.2	228.4	221.9	217.5
75°	101.3	80.8	70.0	138.9	218.7	214.3	201.4	192.8	183.1	174.5	175.5
77.5°	74.4	75.4	56.0	102.3	173.4	166.9	159.4	148.6	144.3	135.7	135.7
80°	56.0	59.3	42.0	70.0	124.9	124.9	118.4	111.0	103.4	99.1	99.1
82.5°	37.7	37.7	31.2	44.2	85.1	81.8	77.6	75.4	71.1	68.9	68.9
85°	17.3	21.5	19.4	26.9	46.3	48.5	48.5	46.3	45.2	43.1	44.2
87.5°	5.4	9.7	11.9	15.1	23.7	24.8	25.9	25.9	25.9	26.9	26.9
90°	10.0	18.1	26.0	28.0	44.1	65.4	76.1	67.7	50.7	38.1	38.1
92.5°	40.1	108.2	176.3	193.4	271.8	376.4	428.7	375.7	269.8	190.3	182.8
95°	96.2	220.8	345.5	376.6	668.7	1058.3	1253.1	1118.2	848.4	646.1	623.1
97.5°	166.3	276.2	386.2	413.7	900.9	1550.4	1875.2	1789.9	1619.4	1491.5	1447.9
100°	220.3	320.1	419.8	444.8	985.4	1706.1	2066.4	2072.7	2085.2	2094.5	2042.5
102.5°	266.4	359.5	452.5	475.8	1024.1	1755.0	2120.6	2229.2	2446.4	2609.3	2564.9
105°	344.6	423.3	502.2	521.9	1052.7	1760.6	2114.5	2358.1	2845.1	3210.4	3186.5
107.5°	424.7	498.2	571.6	590.0	1058.1	1682.3	1994.3	2334.0	3013.4	3522.9	3528.7
110°	478.8	545.2	611.5	628.0	1050.1	1612.8	1894.2	2273.9	3033.4	3603.1	3628.0



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	531.9	595.1	658.3	674.1	1050.4	1552.1	1803.0	2191.6	2968.9	3551.9	3590.2
115°	612.0	670.3	728.6	743.3	1060.1	1482.6	1693.8	2068.2	2817.0	3378.6	3431.7
117.5°	691.1	744.1	797.1	810.4	1079.8	1439.1	1618.7	1956.6	2632.4	3139.2	3198.1
120°	737.2	787.1	837.0	849.4	1095.9	1424.4	1588.7	1897.4	2514.9	2978.0	3035.2
122.5°	782.3	832.6	882.9	895.5	1118.9	1416.7	1565.6	1843.6	2399.7	2816.7	2873.1
125°	851.4	897.3	943.1	954.6	1149.9	1410.3	1540.6	1776.7	2249.0	2603.3	2655.3
127.5°	907.6	953.8	1000.1	1011.7	1181.0	1406.7	1519.5	1722.3	2127.9	2432.0	2475.9
130°	937.6	987.4	1037.3	1049.8	1203.7	1408.9	1511.5	1692.0	2053.1	2323.9	2364.4
132.5°	968.7	1018.5	1068.4	1080.8	1222.1	1410.4	1504.5	1666.1	1989.3	2231.7	2268.0
135°	1014.7	1060.1	1105.6	1116.9	1242.1	1409.0	1492.5	1627.8	1898.5	2101.5	2132.8
137.5°	1061.8	1106.8	1151.7	1162.9	1272.1	1417.7	1490.5	1605.0	1833.7	2005.3	2030.9
140°	1100.8	1142.3	1183.6	1194.0	1290.5	1419.1	1483.5	1582.3	1780.0	1928.2	1952.2
142.5°	1130.9	1169.2	1207.5	1217.0	1305.8	1424.3	1483.5	1570.3	1743.9	1874.1	1894.7
145°	1177.0	1210.4	1243.8	1252.1	1325.9	1424.3	1473.4	1544.4	1686.5	1793.0	1808.6
147.5°	1223.0	1255.6	1288.1	1296.2	1355.3	1434.1	1473.4	1529.3	1641.0	1724.8	1737.8
150°	1253.1	1282.5	1311.9	1319.2	1370.6	1439.1	1473.4	1520.6	1615.0	1685.8	1696.3
152.5°	1284.2	1306.4	1328.7	1334.3	1380.7	1442.5	1473.4	1513.7	1594.3	1654.7	1662.6
155°	1330.2	1346.7	1363.2	1367.3	1402.7	1449.8	1473.4	1505.5	1569.6	1617.7	1622.9
157.5°	1364.3	1380.4	1396.3	1400.4	1424.7	1457.2	1473.4	1498.4	1548.3	1585.7	1589.4
160°	1387.3	1399.8	1412.2	1415.4	1434.7	1460.5	1473.4	1494.8	1537.6	1569.6	1571.7
162.5°	1410.4	1419.7	1429.1	1431.4	1445.4	1464.1	1473.4	1491.5	1527.5	1554.6	1556.6
165°	1435.4	1443.8	1452.3	1454.4	1460.7	1469.2	1473.4	1486.4	1512.2	1531.6	1533.6
167.5°	1458.4	1462.4	1466.4	1467.5	1472.8	1479.9	1483.5	1491.9	1508.8	1521.5	1522.4
170°	1473.4	1477.4	1481.5	1482.5	1482.8	1483.2	1483.5	1491.9	1508.8	1521.5	1521.5
172.5°	1481.5	1482.3	1483.2	1483.5	1483.5	1483.5	1483.5	1490.1	1503.5	1513.5	1512.7
175°	1492.5	1492.5	1492.5	1492.5	1489.5	1485.5	1483.5	1487.7	1496.1	1502.5	1502.5
177.5°	1492.5	1492.5	1492.5	1492.5	1490.1	1487.0	1485.5	1488.8	1495.5	1500.5	1499.6
180°	1492.5	1492.5	1492.5	1492.5	1492.5	1492.5	1492.5	1492.5	1492.5	1492.5	1492.5



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1138.5	1138.5	1138.5	1138.5	1138.5	1138.5	1138.5	1138.5	1138.5	1138.5	1138.5
2.5°	1167.6	1164.4	1167.6	1165.4	1166.4	1163.2	1153.5	1150.3	1153.5	1156.8	1156.8
5°	1181.5	1179.4	1181.5	1181.5	1180.5	1178.3	1167.6	1165.4	1167.6	1168.6	1166.4
7.5°	1185.9	1182.7	1185.9	1183.7	1183.7	1181.5	1170.8	1168.6	1169.7	1172.9	1169.7
10°	1185.9	1182.7	1185.9	1184.7	1183.7	1181.5	1170.8	1166.4	1166.4	1169.7	1166.4
12.5°	1180.5	1178.3	1180.5	1178.3	1178.3	1176.2	1165.4	1161.1	1162.2	1163.2	1158.9
15°	1171.8	1168.6	1171.8	1169.7	1170.8	1167.6	1155.7	1151.4	1151.4	1153.5	1146.0
17.5°	1158.9	1154.6	1158.9	1157.8	1156.8	1154.6	1143.9	1139.5	1138.5	1139.5	1134.2
20°	1143.9	1140.6	1143.9	1142.7	1142.7	1138.5	1127.7	1122.3	1122.3	1122.3	1116.9
22.5°	1120.2	1116.9	1120.2	1122.3	1122.3	1121.2	1111.5	1104.0	1101.9	1101.9	1095.4
25°	1093.2	1090.0	1093.2	1093.2	1092.2	1093.2	1090.0	1085.7	1082.4	1079.2	1072.7
27.5°	1067.3	1065.3	1067.3	1065.3	1067.3	1064.1	1063.1	1062.0	1057.7	1054.4	1045.8
30°	1041.5	1039.4	1041.5	1039.4	1037.2	1035.1	1029.7	1027.5	1031.9	1029.7	1015.7
32.5°	1009.2	1007.0	1009.2	1009.2	1007.0	1007.0	998.5	995.2	996.3	1002.8	989.9
35°	975.8	972.6	975.8	974.8	975.8	972.6	967.2	966.2	961.8	969.4	959.7
37.5°	937.0	933.8	937.0	937.0	937.0	939.2	934.9	931.6	925.2	934.9	927.4
40°	897.2	892.9	897.2	896.1	897.2	899.4	897.2	895.0	888.6	896.1	889.6
42.5°	852.0	850.9	852.0	853.0	853.0	857.4	860.6	856.2	854.2	848.7	853.0
45°	803.5	801.3	803.5	805.6	806.7	808.9	818.6	818.6	815.4	806.7	813.2
47.5°	751.8	746.4	751.8	758.3	758.3	761.5	771.2	778.7	773.4	762.5	765.8
50°	696.8	698.0	696.8	701.2	701.2	713.0	720.5	728.1	733.5	720.5	705.5
52.5°	643.0	641.9	643.0	646.3	650.5	656.0	668.9	676.4	685.0	677.5	653.8
55°	589.2	591.3	589.2	590.2	592.4	595.6	615.0	622.6	638.7	629.0	604.3
57.5°	535.3	532.1	535.3	537.4	538.6	541.8	557.9	571.9	581.6	582.7	552.5
60°	472.8	468.6	472.8	482.5	484.7	486.9	501.9	514.8	523.5	526.7	495.5
62.5°	417.9	410.3	417.9	424.4	428.6	434.0	444.9	464.2	471.8	472.8	428.6
65°	359.7	356.5	359.7	372.7	373.7	380.2	392.0	406.1	422.2	420.0	356.5
67.5°	307.0	307.0	307.0	315.6	322.1	325.3	340.4	346.8	367.3	369.5	297.3
70°	258.5	257.4	258.5	265.0	269.2	276.8	290.8	298.3	314.5	319.9	241.3
72.5°	212.2	211.1	212.2	217.5	221.9	228.4	240.2	248.8	262.8	269.2	187.4
75°	171.3	169.1	171.3	175.5	174.5	183.1	192.8	201.4	214.3	218.7	138.9
77.5°	131.4	131.4	131.4	135.7	135.7	144.3	148.6	159.4	166.9	173.4	102.3
80°	98.0	96.9	98.0	99.1	99.1	103.4	111.0	118.4	124.9	124.9	70.0
82.5°	68.9	66.8	68.9	68.9	68.9	71.1	75.4	77.6	81.8	85.1	44.2
85°	43.1	43.1	43.1	44.2	43.1	45.2	46.3	48.5	48.5	46.3	26.9
87.5°	28.0	26.9	28.0	26.9	26.9	25.9	25.9	25.9	24.8	23.7	15.1
90°	38.1	38.1	38.1	38.1	38.1	50.7	67.7	76.1	65.4	44.1	28.0
92.5°	152.5	122.2	152.5	182.8	190.3	269.8	375.7	428.7	376.4	271.8	193.4
95°	531.4	439.7	531.4	623.1	646.1	848.4	1118.2	1253.1	1058.3	668.7	376.6
97.5°	1273.3	1098.8	1273.3	1447.9	1491.5	1619.4	1789.9	1875.2	1550.4	900.9	413.7
100°	1834.6	1626.7	1834.6	2042.5	2094.5	2085.2	2072.7	2066.4	1706.1	985.4	444.8
102.5°	2386.8	2208.7	2386.8	2564.9	2609.3	2446.4	2229.2	2120.6	1755.0	1024.1	475.8
105°	3090.7	2995.0	3090.7	3186.5	3210.4	2845.1	2358.1	2114.5	1760.6	1052.7	521.9
107.5°	3551.8	3575.0	3551.8	3528.7	3522.9	3013.4	2334.0	1994.3	1682.3	1058.1	590.0
110°	3727.7	3827.4	3727.7	3628.0	3603.1	3033.4	2273.9	1894.2	1612.8	1050.1	628.0



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CATALOG NUMBER: SQ4-FA-150U-050D-930-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3743.3	3896.5	3743.3	3590.2	3551.9	2968.9	2191.6	1803.0	1552.1	1050.4	674.1
115°	3644.1	3856.4	3644.1	3431.7	3378.6	2817.0	2068.2	1693.8	1482.6	1060.1	743.3
117.5°	3433.6	3669.1	3433.6	3198.1	3139.2	2632.4	1956.6	1618.7	1439.1	1079.8	810.4
120°	3264.0	3492.8	3264.0	3035.2	2978.0	2514.9	1897.4	1588.7	1424.4	1095.9	849.4
122.5°	3098.9	3324.6	3098.9	2873.1	2816.7	2399.7	1843.6	1565.6	1416.7	1118.9	895.5
125°	2863.3	3071.2	2863.3	2655.3	2603.3	2249.0	1776.7	1540.6	1410.3	1149.9	954.6
127.5°	2651.3	2826.7	2651.3	2475.9	2432.0	2127.9	1722.3	1519.5	1406.7	1181.0	1011.7
130°	2526.5	2688.5	2526.5	2364.4	2323.9	2053.1	1692.0	1511.5	1408.9	1203.7	1049.8
132.5°	2413.1	2558.3	2413.1	2268.0	2231.7	1989.3	1666.1	1504.5	1410.4	1222.1	1080.8
135°	2257.9	2383.0	2257.9	2132.8	2101.5	1898.5	1627.8	1492.5	1409.0	1242.1	1116.9
137.5°	2133.3	2235.7	2133.3	2030.9	2005.3	1833.7	1605.0	1490.5	1417.7	1272.1	1162.9
140°	2047.9	2143.6	2047.9	1952.2	1928.2	1780.0	1582.3	1483.5	1419.1	1290.5	1194.0
142.5°	1977.1	2059.5	1977.1	1894.7	1874.1	1743.9	1570.3	1483.5	1424.3	1305.8	1217.0
145°	1870.9	1933.2	1870.9	1808.6	1793.0	1686.5	1544.4	1473.4	1424.3	1325.9	1252.1
147.5°	1789.4	1841.0	1789.4	1737.8	1724.8	1641.0	1529.3	1473.4	1434.1	1355.3	1296.2
150°	1738.2	1780.0	1738.2	1696.3	1685.8	1615.0	1520.6	1473.4	1439.1	1370.6	1319.2
152.5°	1694.2	1725.9	1694.2	1662.6	1654.7	1594.3	1513.7	1473.4	1442.5	1380.7	1334.3
155°	1643.9	1664.8	1643.9	1622.9	1617.7	1569.6	1505.5	1473.4	1449.8	1402.7	1367.3
157.5°	1604.0	1618.7	1604.0	1589.4	1585.7	1548.3	1498.4	1473.4	1457.2	1424.7	1400.4
160°	1580.2	1588.7	1580.2	1571.7	1569.6	1537.6	1494.8	1473.4	1460.5	1434.7	1415.4
162.5°	1564.6	1572.6	1564.6	1556.6	1554.6	1527.5	1491.5	1473.4	1464.1	1445.4	1431.4
165°	1542.2	1550.6	1542.2	1533.6	1531.6	1512.2	1486.4	1473.4	1469.2	1460.7	1454.4
167.5°	1526.0	1529.6	1526.0	1522.4	1521.5	1508.8	1491.9	1483.5	1479.9	1472.8	1467.5
170°	1521.5	1521.5	1521.5	1521.5	1521.5	1508.8	1491.9	1483.5	1483.2	1482.8	1482.5
172.5°	1509.6	1506.5	1509.6	1512.7	1513.5	1503.5	1490.1	1483.5	1483.5	1483.5	1483.5
175°	1502.5	1502.5	1502.5	1502.5	1502.5	1496.1	1487.7	1483.5	1485.5	1489.5	1492.5
177.5°	1496.0	1492.5	1496.0	1499.6	1500.5	1495.5	1488.8	1485.5	1487.0	1490.1	1492.5
180°	1492.5	1492.5	1492.5	1492.5	1492.5	1492.5	1492.5	1492.5	1492.5	1492.5	1492.5



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1138.5	1138.5	1138.5	1138.5	1138.5	1138.5	1138.5	1138.5	1138.5	1138.5	1138.5
2.5°	1154.6	1148.1	1148.1	1137.4	1133.1	1129.8	1124.4	1108.3	1104.0	1099.7	1106.1
5°	1164.4	1152.5	1143.9	1124.4	1108.3	1101.9	1081.4	1042.6	1016.8	997.3	986.6
7.5°	1166.4	1151.4	1135.2	1105.1	1066.3	1049.0	986.6	915.5	896.1	878.9	868.1
10°	1164.4	1147.1	1124.4	1079.2	987.7	957.5	895.0	848.7	836.9	833.7	836.9
12.5°	1156.8	1140.6	1109.3	1034.0	905.8	885.4	848.7	821.8	819.6	825.0	854.2
15°	1143.9	1128.8	1092.2	973.6	860.6	845.5	819.6	810.0	821.8	859.5	946.7
17.5°	1130.9	1113.7	1068.5	914.5	826.1	815.4	797.1	816.4	883.2	933.8	962.9
20°	1113.7	1093.2	1041.5	871.3	801.3	791.7	783.0	870.3	920.9	939.2	955.3
22.5°	1093.2	1071.7	1004.9	841.2	775.5	768.0	773.4	900.4	920.9	933.8	947.8
25°	1066.3	1048.0	961.8	817.5	755.1	746.4	766.9	897.2	909.1	912.3	940.3
27.5°	1041.5	1017.8	916.6	795.9	730.2	727.0	772.2	883.2	891.8	895.0	925.2
30°	1011.4	975.8	866.0	773.4	704.4	703.3	773.4	866.0	863.8	872.5	902.6
32.5°	980.1	913.3	808.9	745.3	679.7	678.5	765.8	840.1	837.9	849.8	872.5
35°	951.1	864.9	731.3	713.0	648.4	649.5	747.5	810.0	811.0	821.8	835.8
37.5°	920.9	822.9	646.3	677.5	618.2	618.2	722.7	782.0	779.8	783.0	802.4
40°	885.4	757.1	570.9	631.2	590.2	587.0	692.6	751.8	744.2	743.2	770.1
42.5°	847.6	685.0	514.8	569.8	557.9	553.6	656.0	715.2	701.2	704.4	738.8
45°	806.7	665.6	471.8	481.5	524.5	521.3	616.1	673.2	663.4	672.1	707.6
47.5°	765.8	626.8	457.8	399.6	489.0	487.9	571.9	632.2	626.8	635.5	673.2
50°	709.8	583.8	456.7	342.5	449.1	453.5	519.1	592.4	592.4	599.9	639.8
52.5°	637.7	531.0	414.7	310.2	402.8	415.7	472.8	557.9	560.1	567.6	603.1
55°	571.9	476.1	384.5	285.4	347.9	375.9	427.6	522.4	526.7	534.2	566.5
57.5°	511.6	396.4	378.1	256.3	297.3	324.2	387.8	487.9	490.1	496.5	527.7
60°	446.9	286.5	346.8	225.1	253.1	273.6	351.2	446.9	454.5	458.8	485.7
62.5°	373.7	207.9	314.5	203.6	231.6	235.8	321.0	408.2	417.9	421.2	437.3
65°	266.0	174.5	267.1	185.3	208.9	210.1	288.7	368.3	377.0	382.4	394.2
67.5°	179.9	142.2	203.6	168.0	191.8	192.8	257.4	322.1	333.9	338.2	345.8
70°	124.9	94.8	150.8	149.7	172.3	174.5	224.0	280.0	290.8	294.1	298.3
72.5°	91.5	76.4	124.9	134.7	151.8	154.0	189.6	232.6	243.4	246.7	248.8
75°	70.0	80.8	101.3	117.4	129.3	130.3	155.1	189.6	197.1	199.2	200.3
77.5°	56.0	75.4	74.4	94.8	105.5	103.4	121.7	146.5	153.0	153.0	153.0
80°	42.0	59.3	56.0	67.9	77.6	75.4	87.2	104.5	106.6	108.8	107.7
82.5°	31.2	37.7	37.7	43.1	51.7	49.5	58.1	67.9	67.9	67.9	70.0
85°	19.4	21.5	17.3	22.6	29.1	28.0	32.3	36.6	37.7	37.7	35.6
87.5°	11.9	9.7	5.4	8.6	12.9	12.9	15.1	16.1	15.1	15.1	15.1
90°	26.0	18.1	10.0	18.1	26.0	28.0	44.1	65.4	76.1	67.7	50.7
92.5°	176.3	108.2	40.1	108.2	176.3	193.4	271.8	376.4	428.7	375.7	269.8
95°	345.5	220.8	96.2	220.8	345.5	376.6	668.7	1058.3	1253.1	1118.2	848.4
97.5°	386.2	276.2	166.3	276.2	386.2	413.7	900.9	1550.4	1875.2	1789.9	1619.4
100°	419.8	320.1	220.3	320.1	419.8	444.8	985.4	1706.1	2066.4	2072.7	2085.2
102.5°	452.5	359.5	266.4	359.5	452.5	475.8	1024.1	1755.0	2120.6	2229.2	2446.4
105°	502.2	423.3	344.6	423.3	502.2	521.9	1052.7	1760.6	2114.5	2358.1	2845.1
107.5°	571.6	498.2	424.7	498.2	571.6	590.0	1058.1	1682.3	1994.3	2334.0	3013.4
110°	611.5	545.2	478.8	545.2	611.5	628.0	1050.1	1612.8	1894.2	2273.9	3033.4



TEST NUMBER: P935852

CATALOG NUMBER: SQ4-FA-150U-050D-930-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	658.3	595.1	531.9	595.1	658.3	674.1	1050.4	1552.1	1803.0	2191.6	2968.9
115°	728.6	670.3	612.0	670.3	728.6	743.3	1060.1	1482.6	1693.8	2068.2	2817.0
117.5°	797.1	744.1	691.1	744.1	797.1	810.4	1079.8	1439.1	1618.7	1956.6	2632.4
120°	837.0	787.1	737.2	787.1	837.0	849.4	1095.9	1424.4	1588.7	1897.4	2514.9
122.5°	882.9	832.6	782.3	832.6	882.9	895.5	1118.9	1416.7	1565.6	1843.6	2399.7
125°	943.1	897.3	851.4	897.3	943.1	954.6	1149.9	1410.3	1540.6	1776.7	2249.0
127.5°	1000.1	953.8	907.6	953.8	1000.1	1011.7	1181.0	1406.7	1519.5	1722.3	2127.9
130°	1037.3	987.4	937.6	987.4	1037.3	1049.8	1203.7	1408.9	1511.5	1692.0	2053.1
132.5°	1068.4	1018.5	968.7	1018.5	1068.4	1080.8	1222.1	1410.4	1504.5	1666.1	1989.3
135°	1105.6	1060.1	1014.7	1060.1	1105.6	1116.9	1242.1	1409.0	1492.5	1627.8	1898.5
137.5°	1151.7	1106.8	1061.8	1106.8	1151.7	1162.9	1272.1	1417.7	1490.5	1605.0	1833.7
140°	1183.6	1142.3	1100.8	1142.3	1183.6	1194.0	1290.5	1419.1	1483.5	1582.3	1780.0
142.5°	1207.5	1169.2	1130.9	1169.2	1207.5	1217.0	1305.8	1424.3	1483.5	1570.3	1743.9
145°	1243.8	1210.4	1177.0	1210.4	1243.8	1252.1	1325.9	1424.3	1473.4	1544.4	1686.5
147.5°	1288.1	1255.6	1223.0	1255.6	1288.1	1296.2	1355.3	1434.1	1473.4	1529.3	1641.0
150°	1311.9	1282.5	1253.1	1282.5	1311.9	1319.2	1370.6	1439.1	1473.4	1520.6	1615.0
152.5°	1328.7	1306.4	1284.2	1306.4	1328.7	1334.3	1380.7	1442.5	1473.4	1513.7	1594.3
155°	1363.2	1346.7	1330.2	1346.7	1363.2	1367.3	1402.7	1449.8	1473.4	1505.5	1569.6
157.5°	1396.3	1380.4	1364.3	1380.4	1396.3	1400.4	1424.7	1457.2	1473.4	1498.4	1548.3
160°	1412.2	1399.8	1387.3	1399.8	1412.2	1415.4	1434.7	1460.5	1473.4	1494.8	1537.6
162.5°	1429.1	1419.7	1410.4	1419.7	1429.1	1431.4	1445.4	1464.1	1473.4	1491.5	1527.5
165°	1452.3	1443.8	1435.4	1443.8	1452.3	1454.4	1460.7	1469.2	1473.4	1486.4	1512.2
167.5°	1466.4	1462.4	1458.4	1462.4	1466.4	1467.5	1472.8	1479.9	1483.5	1491.9	1508.8
170°	1481.5	1477.4	1473.4	1477.4	1481.5	1482.5	1482.8	1483.2	1483.5	1491.9	1508.8
172.5°	1483.2	1482.3	1481.5	1482.3	1483.2	1483.5	1483.5	1483.5	1483.5	1490.1	1503.5
175°	1492.5	1492.5	1492.5	1492.5	1492.5	1492.5	1489.5	1485.5	1483.5	1487.7	1496.1
177.5°	1492.5	1492.5	1492.5	1492.5	1492.5	1492.5	1490.1	1487.0	1485.5	1488.8	1495.5
180°	1492.5	1492.5	1492.5	1492.5	1492.5	1492.5	1492.5	1492.5	1492.5	1492.5	1492.5



TEST NUMBER: P935852
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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1138.5	1138.5	1138.5	1138.5	1138.5	1138.5	1138.5	1138.5	1138.5	1138.5	1138.5
2.5°	1098.6	1095.4	1099.7	1087.8	1099.7	1095.4	1098.6	1106.1	1099.7	1104.0	1108.3
5°	964.0	958.6	941.4	927.4	941.4	958.6	964.0	986.6	997.3	1016.8	1042.6
7.5°	861.6	857.4	853.0	844.4	853.0	857.4	861.6	868.1	878.9	896.1	915.5
10°	839.1	840.1	846.6	845.5	846.6	840.1	839.1	836.9	833.7	836.9	848.7
12.5°	897.2	906.9	942.4	940.3	942.4	906.9	897.2	854.2	825.0	819.6	821.8
15°	964.0	967.2	974.8	975.8	974.8	967.2	964.0	946.7	859.5	821.8	810.0
17.5°	970.4	971.5	976.9	976.9	976.9	971.5	970.4	962.9	933.8	883.2	816.4
20°	965.0	967.2	978.0	980.1	978.0	967.2	965.0	955.3	939.2	920.9	870.3
22.5°	962.9	967.2	975.8	974.8	975.8	967.2	962.9	947.8	933.8	920.9	900.4
25°	952.1	952.1	953.2	954.3	953.2	952.1	952.1	940.3	912.3	909.1	897.2
27.5°	929.5	931.6	938.1	937.0	938.1	931.6	929.5	925.2	895.0	891.8	883.2
30°	909.1	906.9	901.5	897.2	901.5	906.9	909.1	902.6	872.5	863.8	866.0
32.5°	874.5	869.2	863.8	860.6	863.8	869.2	874.5	872.5	849.8	837.9	840.1
35°	833.7	834.7	833.7	830.4	833.7	834.7	833.7	835.8	821.8	811.0	810.0
37.5°	804.6	806.7	805.6	801.3	805.6	806.7	804.6	802.4	783.0	779.8	782.0
40°	774.4	775.5	774.4	771.2	774.4	775.5	774.4	770.1	743.2	744.2	751.8
42.5°	745.3	744.2	741.0	738.8	741.0	744.2	745.3	738.8	704.4	701.2	715.2
45°	711.9	713.0	706.6	703.3	706.6	713.0	711.9	707.6	672.1	663.4	673.2
47.5°	678.5	678.5	673.2	669.9	673.2	678.5	678.5	673.2	635.5	626.8	632.2
50°	643.0	641.9	634.4	633.3	634.4	641.9	643.0	639.8	599.9	592.4	592.4
52.5°	602.1	602.1	603.1	605.3	603.1	602.1	602.1	603.1	567.6	560.1	557.9
55°	566.5	567.6	575.2	577.3	575.2	567.6	566.5	566.5	534.2	526.7	522.4
57.5°	529.9	529.9	535.3	535.3	535.3	529.9	529.9	527.7	496.5	490.1	487.9
60°	487.9	490.1	494.4	493.3	494.4	490.1	487.9	485.7	458.8	454.5	446.9
62.5°	443.7	445.9	446.9	444.9	446.9	445.9	443.7	437.3	421.2	417.9	408.2
65°	397.4	399.6	400.7	398.5	400.7	399.6	397.4	394.2	382.4	377.0	368.3
67.5°	350.0	349.0	347.9	352.2	347.9	349.0	350.0	345.8	338.2	333.9	322.1
70°	301.6	301.6	300.5	302.7	300.5	301.6	301.6	298.3	294.1	290.8	280.0
72.5°	249.9	248.8	253.1	249.9	253.1	248.8	249.9	248.8	246.7	243.4	232.6
75°	199.2	201.4	199.2	202.5	199.2	201.4	199.2	200.3	199.2	197.1	189.6
77.5°	151.8	154.0	151.8	151.8	151.8	154.0	151.8	153.0	153.0	153.0	146.5
80°	107.7	106.6	106.6	105.5	106.6	106.6	107.7	107.7	108.8	106.6	104.5
82.5°	68.9	67.9	67.9	70.0	67.9	67.9	68.9	70.0	67.9	67.9	67.9
85°	37.7	38.8	36.6	36.6	36.6	38.8	37.7	35.6	37.7	37.7	36.6
87.5°	14.0	12.9	12.9	12.9	12.9	12.9	14.0	15.1	15.1	15.1	16.1
90°	38.1	38.1	38.1	38.1	38.1	38.1	38.1	50.7	67.7	76.1	65.4
92.5°	190.3	182.8	152.5	122.2	152.5	182.8	190.3	269.8	375.7	428.7	376.4
95°	646.1	623.1	531.4	439.7	531.4	623.1	646.1	848.4	1118.2	1253.1	1058.3
97.5°	1491.5	1447.9	1273.3	1098.8	1273.3	1447.9	1491.5	1619.4	1789.9	1875.2	1550.4
100°	2094.5	2042.5	1834.6	1626.7	1834.6	2042.5	2094.5	2085.2	2072.7	2066.4	1706.1
102.5°	2609.3	2564.9	2386.8	2208.7	2386.8	2564.9	2609.3	2446.4	2229.2	2120.6	1755.0
105°	3210.4	3186.5	3090.7	2995.0	3090.7	3186.5	3210.4	2845.1	2358.1	2114.5	1760.6
107.5°	3522.9	3528.7	3551.8	3575.0	3551.8	3528.7	3522.9	3013.4	2334.0	1994.3	1682.3
110°	3603.1	3628.0	3727.7	3827.4	3727.7	3628.0	3603.1	3033.4	2273.9	1894.2	1612.8



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3551.9	3590.2	3743.3	3896.5	3743.3	3590.2	3551.9	2968.9	2191.6	1803.0	1552.1
115°	3378.6	3431.7	3644.1	3856.4	3644.1	3431.7	3378.6	2817.0	2068.2	1693.8	1482.6
117.5°	3139.2	3198.1	3433.6	3669.1	3433.6	3198.1	3139.2	2632.4	1956.6	1618.7	1439.1
120°	2978.0	3035.2	3264.0	3492.8	3264.0	3035.2	2978.0	2514.9	1897.4	1588.7	1424.4
122.5°	2816.7	2873.1	3098.9	3324.6	3098.9	2873.1	2816.7	2399.7	1843.6	1565.6	1416.7
125°	2603.3	2655.3	2863.3	3071.2	2863.3	2655.3	2603.3	2249.0	1776.7	1540.6	1410.3
127.5°	2432.0	2475.9	2651.3	2826.7	2651.3	2475.9	2432.0	2127.9	1722.3	1519.5	1406.7
130°	2323.9	2364.4	2526.5	2688.5	2526.5	2364.4	2323.9	2053.1	1692.0	1511.5	1408.9
132.5°	2231.7	2268.0	2413.1	2558.3	2413.1	2268.0	2231.7	1989.3	1666.1	1504.5	1410.4
135°	2101.5	2132.8	2257.9	2383.0	2257.9	2132.8	2101.5	1898.5	1627.8	1492.5	1409.0
137.5°	2005.3	2030.9	2133.3	2235.7	2133.3	2030.9	2005.3	1833.7	1605.0	1490.5	1417.7
140°	1928.2	1952.2	2047.9	2143.6	2047.9	1952.2	1928.2	1780.0	1582.3	1483.5	1419.1
142.5°	1874.1	1894.7	1977.1	2059.5	1977.1	1894.7	1874.1	1743.9	1570.3	1483.5	1424.3
145°	1793.0	1808.6	1870.9	1933.2	1870.9	1808.6	1793.0	1686.5	1544.4	1473.4	1424.3
147.5°	1724.8	1737.8	1789.4	1841.0	1789.4	1737.8	1724.8	1641.0	1529.3	1473.4	1434.1
150°	1685.8	1696.3	1738.2	1780.0	1738.2	1696.3	1685.8	1615.0	1520.6	1473.4	1439.1
152.5°	1654.7	1662.6	1694.2	1725.9	1694.2	1662.6	1654.7	1594.3	1513.7	1473.4	1442.5
155°	1617.7	1622.9	1643.9	1664.8	1643.9	1622.9	1617.7	1569.6	1505.5	1473.4	1449.8
157.5°	1585.7	1589.4	1604.0	1618.7	1604.0	1589.4	1585.7	1548.3	1498.4	1473.4	1457.2
160°	1569.6	1571.7	1580.2	1588.7	1580.2	1571.7	1569.6	1537.6	1494.8	1473.4	1460.5
162.5°	1554.6	1556.6	1564.6	1572.6	1564.6	1556.6	1554.6	1527.5	1491.5	1473.4	1464.1
165°	1531.6	1533.6	1542.2	1550.6	1542.2	1533.6	1531.6	1512.2	1486.4	1473.4	1469.2
167.5°	1521.5	1522.4	1526.0	1529.6	1526.0	1522.4	1521.5	1508.8	1491.9	1483.5	1479.9
170°	1521.5	1521.5	1521.5	1521.5	1521.5	1521.5	1521.5	1508.8	1491.9	1483.5	1483.2
172.5°	1513.5	1512.7	1509.6	1506.5	1509.6	1512.7	1513.5	1503.5	1490.1	1483.5	1483.5
175°	1502.5	1502.5	1502.5	1502.5	1502.5	1502.5	1502.5	1496.1	1487.7	1483.5	1485.5
177.5°	1500.5	1499.6	1496.0	1492.5	1496.0	1499.6	1500.5	1495.5	1488.8	1485.5	1487.0
180°	1492.5	1492.5	1492.5	1492.5	1492.5	1492.5	1492.5	1492.5	1492.5	1492.5	1492.5



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1138.5	1138.5	1138.5	1138.5	1138.5
2.5°	1124.4	1129.8	1133.1	1137.4	1148.1
5°	1081.4	1101.9	1108.3	1124.4	1143.9
7.5°	986.6	1049.0	1066.3	1105.1	1135.2
10°	895.0	957.5	987.7	1079.2	1124.4
12.5°	848.7	885.4	905.8	1034.0	1109.3
15°	819.6	845.5	860.6	973.6	1092.2
17.5°	797.1	815.4	826.1	914.5	1068.5
20°	783.0	791.7	801.3	871.3	1041.5
22.5°	773.4	768.0	775.5	841.2	1004.9
25°	766.9	746.4	755.1	817.5	961.8
27.5°	772.2	727.0	730.2	795.9	916.6
30°	773.4	703.3	704.4	773.4	866.0
32.5°	765.8	678.5	679.7	745.3	808.9
35°	747.5	649.5	648.4	713.0	731.3
37.5°	722.7	618.2	618.2	677.5	646.3
40°	692.6	587.0	590.2	631.2	570.9
42.5°	656.0	553.6	557.9	569.8	514.8
45°	616.1	521.3	524.5	481.5	471.8
47.5°	571.9	487.9	489.0	399.6	457.8
50°	519.1	453.5	449.1	342.5	456.7
52.5°	472.8	415.7	402.8	310.2	414.7
55°	427.6	375.9	347.9	285.4	384.5
57.5°	387.8	324.2	297.3	256.3	378.1
60°	351.2	273.6	253.1	225.1	346.8
62.5°	321.0	235.8	231.6	203.6	314.5
65°	288.7	210.1	208.9	185.3	267.1
67.5°	257.4	192.8	191.8	168.0	203.6
70°	224.0	174.5	172.3	149.7	150.8
72.5°	189.6	154.0	151.8	134.7	124.9
75°	155.1	130.3	129.3	117.4	101.3
77.5°	121.7	103.4	105.5	94.8	74.4
80°	87.2	75.4	77.6	67.9	56.0
82.5°	58.1	49.5	51.7	43.1	37.7
85°	32.3	28.0	29.1	22.6	17.3
87.5°	15.1	12.9	12.9	8.6	5.4
90°	44.1	28.0	26.0	18.1	10.0
92.5°	271.8	193.4	176.3	108.2	40.1
95°	668.7	376.6	345.5	220.8	96.2
97.5°	900.9	413.7	386.2	276.2	166.3
100°	985.4	444.8	419.8	320.1	220.3
102.5°	1024.1	475.8	452.5	359.5	266.4
105°	1052.7	521.9	502.2	423.3	344.6
107.5°	1058.1	590.0	571.6	498.2	424.7
110°	1050.1	628.0	611.5	545.2	478.8



TEST NUMBER: P935852

CATALOG NUMBER: SQ4-FA-150U-050D-930-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1050.4	674.1	658.3	595.1	531.9
115°	1060.1	743.3	728.6	670.3	612.0
117.5°	1079.8	810.4	797.1	744.1	691.1
120°	1095.9	849.4	837.0	787.1	737.2
122.5°	1118.9	895.5	882.9	832.6	782.3
125°	1149.9	954.6	943.1	897.3	851.4
127.5°	1181.0	1011.7	1000.1	953.8	907.6
130°	1203.7	1049.8	1037.3	987.4	937.6
132.5°	1222.1	1080.8	1068.4	1018.5	968.7
135°	1242.1	1116.9	1105.6	1060.1	1014.7
137.5°	1272.1	1162.9	1151.7	1106.8	1061.8
140°	1290.5	1194.0	1183.6	1142.3	1100.8
142.5°	1305.8	1217.0	1207.5	1169.2	1130.9
145°	1325.9	1252.1	1243.8	1210.4	1177.0
147.5°	1355.3	1296.2	1288.1	1255.6	1223.0
150°	1370.6	1319.2	1311.9	1282.5	1253.1
152.5°	1380.7	1334.3	1328.7	1306.4	1284.2
155°	1402.7	1367.3	1363.2	1346.7	1330.2
157.5°	1424.7	1400.4	1396.3	1380.4	1364.3
160°	1434.7	1415.4	1412.2	1399.8	1387.3
162.5°	1445.4	1431.4	1429.1	1419.7	1410.4
165°	1460.7	1454.4	1452.3	1443.8	1435.4
167.5°	1472.8	1467.5	1466.4	1462.4	1458.4
170°	1482.8	1482.5	1481.5	1477.4	1473.4
172.5°	1483.5	1483.5	1483.2	1482.3	1481.5
175°	1489.5	1492.5	1492.5	1492.5	1492.5
177.5°	1490.1	1492.5	1492.5	1492.5	1492.5
180°	1492.5	1492.5	1492.5	1492.5	1492.5



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CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	7.38	8.04	8.54	9.19	10.79	10.22	10.88	11.37	12.02	13.63
	3H	7.84	8.44	9.01	9.59	11.21	11.55	12.14	12.71	13.30	14.92
	4H	8.02	8.59	9.20	9.74	11.37	11.99	12.55	13.16	13.70	15.33
	6H	8.13	8.65	9.31	9.80	11.44	12.26	12.78	13.44	13.94	15.57
	8H	8.13	8.62	9.31	9.79	11.42	12.33	12.83	13.51	14.00	15.62
	12H	8.09	8.56	9.28	9.72	11.37	12.37	12.83	13.55	14.00	15.65
4H	2H	8.39	8.95	9.57	10.11	11.73	10.60	11.17	11.78	12.32	13.94
	3H	9.40	9.87	10.58	11.05	12.68	12.09	12.56	13.28	13.74	15.38
	4H	9.67	10.10	10.85	11.26	12.92	12.61	13.05	13.80	14.21	15.87
	6H	9.78	10.15	10.97	11.34	12.98	12.97	13.34	14.16	14.53	16.17
	8H	9.78	10.13	10.97	11.31	12.97	13.07	13.42	14.26	14.60	16.26
	12H	9.74	10.05	10.94	11.24	12.91	13.12	13.43	14.32	14.62	16.29
8H	4H	10.10	10.45	11.29	11.63	13.29	12.72	13.07	13.91	14.25	15.91
	6H	10.36	10.64	11.57	11.86	13.52	13.15	13.44	14.36	14.66	16.32
	8H	10.40	10.65	11.61	11.84	13.52	13.30	13.55	14.52	14.75	16.43
	12H	10.37	10.59	11.59	11.79	13.50	13.39	13.61	14.61	14.81	16.52
12H	4H	10.10	10.42	11.31	11.60	13.27	12.68	12.99	13.88	14.18	15.85
	6H	10.42	10.67	11.63	11.86	13.54	13.15	13.39	14.36	14.59	16.27
	8H	10.47	10.69	11.69	11.89	13.60	13.30	13.52	14.52	14.71	16.42