

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: P935076

Luminaire Tested: SQ4-FA-100U-050D-940-1D-UNV-STD-W-8

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935076
REPORT IS A COMBINATION OF REPORTS P933740 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-100U-050D-940-1D-UNV-STD-W-8
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

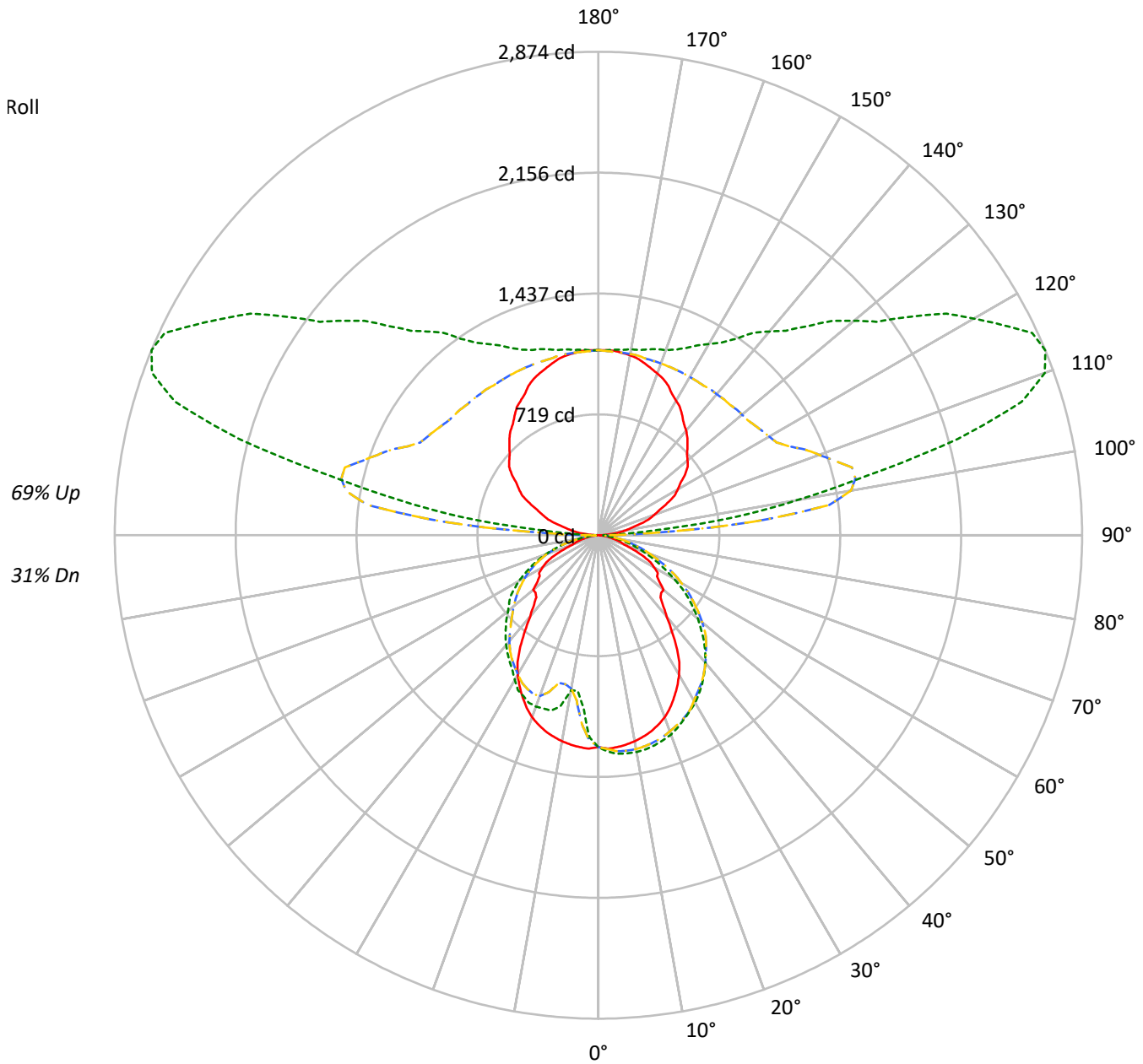
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10403.8 lumens
Efficiency: N/A
Efficacy: 126.3 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): 82.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° - - - 90°-270° - - - 135°-315°



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	103	103	103	103	92	92	92	92	73	73	73	55	55	55	39	39	39	39	39	39	31
1	94	89	86	82	84	81	77	75	64	62	60	49	47	46	35	34	33	35	34	33	27
2	85	78	72	67	76	70	65	61	56	53	50	43	40	38	30	29	28	30	29	28	22
3	78	69	62	56	70	62	56	51	49	45	42	38	35	32	27	25	24	27	25	24	19
4	71	61	53	47	64	55	48	43	44	39	35	34	30	28	24	22	20	24	22	20	16
5	65	54	46	40	58	49	42	37	39	34	30	30	27	24	22	19	18	22	19	18	14
6	60	48	40	35	54	44	37	32	35	30	26	27	24	21	20	17	15	20	17	15	12
7	55	43	36	30	49	39	33	28	32	27	23	25	21	18	18	15	14	18	15	14	11
8	51	39	32	27	46	36	29	24	29	24	20	22	19	16	16	14	12	16	14	12	10
9	47	36	28	23	43	32	26	22	26	21	18	20	17	15	15	13	11	15	13	11	9
10	44	33	26	21	40	30	23	19	24	19	16	19	15	13	14	12	10	14	12	10	8

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	5841	5841	5841	5841
5°	5885	5896	5885	4637
10°	5845	5808	5845	4152
15°	5782	5682	5782	4745
20°	5661	5533	5661	4755
25°	5413	5316	5413	4654
30°	5093	5135	5093	4433
35°	4541	4907	4541	4190
40°	3784	4638	3784	4006
45°	3381	4323	3381	3795
50°	3592	3948	3592	3583
55°	3379	3544	3379	3460
60°	3483	3010	3483	3169
65°	3157	2489	3157	2781
70°	2188	1983	2188	2331
75°	1918	1466	1918	1756
80°	1544	969	1544	1055
85°	890	514	890	436

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 5181 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.6	1.1
10°-20°	322.7	3.1
20°-30°	498.8	4.8
30°-40°	595.4	5.7
40°-50°	598.9	5.8
50°-60°	521.1	5.0
60°-70°	369.5	3.6
70°-80°	195.5	1.9
80°-90°	52.9	0.5
90°-100°	536.6	5.2
100°-110°	1410.6	13.6
110°-120°	1462.6	14.1
120°-130°	1173.2	11.3
130°-140°	920.5	8.8
140°-150°	706.5	6.8
150°-160°	508.8	4.9
160°-170°	311.3	3.0
170°-180°	105.2	1.0
0°-30°	935.1	9.0
0°-40°	1530.5	14.7
0°-60°	2650.6	25.5
0°-90°	3268.5	31.4
90°-120°	3409.7	32.8
90°-150°	6210.0	59.7
90°-180°	7135.0	68.6
0°-180°	10403.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1259	1259	1259	1259	1259	
5°	1265	1304	1265	1026	1265	120
15°	1208	1292	1208	1079	1208	340
25°	1064	1205	1064	1055	1064	488
35°	809	1076	809	918	809	500
45°	522	886	522	778	522	418
55°	425	654	425	638	425	391
65°	295	394	295	441	295	282
75°	112	187	112	224	112	118
85°	19	48	19	40	19	26
90°	7	28	7	28	7	7
95°	71	324	71	324	71	79
105°	254	2209	254	2209	254	269
115°	451	2844	451	2844	451	446
125°	628	2265	628	2265	628	557
135°	748	1757	748	1757	748	579
145°	868	1426	868	1426	868	544
155°	981	1228	981	1228	981	451
165°	1059	1144	1059	1144	1059	299
175°	1101	1108	1101	1108	1101	104
180°	1101	1101	1101	1101	1101	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1259.0	1259.0	1259.0	1259.0	1259.0	1259.0	1259.0	1259.0	1259.0	1259.0	1259.0
2.5°	1269.7	1269.7	1276.9	1279.3	1279.3	1275.6	1272.1	1275.6	1286.4	1289.9	1288.8
5°	1265.0	1274.5	1287.6	1289.9	1292.3	1291.2	1288.8	1291.2	1303.1	1305.4	1306.6
7.5°	1255.4	1273.3	1289.9	1293.5	1297.1	1293.5	1292.3	1294.7	1306.6	1309.0	1309.0
10°	1243.5	1268.5	1287.6	1289.9	1293.5	1289.9	1289.9	1294.7	1306.6	1309.0	1310.2
12.5°	1226.8	1261.3	1279.3	1281.6	1286.4	1285.2	1284.0	1288.8	1300.7	1303.1	1303.1
15°	1207.8	1248.3	1265.0	1267.3	1275.6	1273.3	1273.3	1278.0	1291.2	1294.7	1293.5
17.5°	1181.6	1231.6	1250.7	1254.2	1260.2	1259.0	1260.2	1265.0	1276.9	1279.3	1280.4
20°	1151.7	1208.9	1231.6	1235.1	1241.1	1241.1	1241.1	1247.0	1259.0	1263.7	1263.7
22.5°	1111.2	1185.1	1208.9	1211.3	1218.5	1218.5	1220.8	1229.2	1239.9	1241.1	1241.1
25°	1063.6	1158.9	1179.2	1186.3	1193.5	1197.0	1200.6	1205.4	1208.9	1207.8	1208.9
27.5°	1013.7	1125.5	1151.7	1156.5	1166.0	1169.7	1174.4	1175.6	1176.8	1180.3	1178.0
30°	957.6	1079.1	1118.4	1123.2	1138.7	1141.1	1136.3	1138.7	1144.6	1147.0	1149.4
32.5°	894.5	1010.0	1083.9	1094.6	1108.9	1101.7	1100.6	1104.1	1113.6	1113.6	1116.0
35°	808.7	956.5	1051.7	1061.2	1072.0	1063.6	1068.4	1069.6	1075.5	1079.1	1077.9
37.5°	714.7	910.0	1018.4	1025.6	1033.9	1023.2	1030.3	1033.9	1038.6	1036.2	1036.2
40°	631.3	837.3	979.1	983.8	991.0	982.7	989.8	992.2	994.6	992.2	991.0
42.5°	569.3	757.6	937.4	943.3	938.5	944.6	946.9	951.7	948.1	943.3	943.3
45°	521.7	736.1	892.1	899.3	892.1	901.7	905.2	905.2	894.5	892.1	890.9
47.5°	506.2	693.2	846.9	846.9	843.2	855.2	861.2	852.8	842.1	838.5	838.5
50°	505.0	645.6	784.9	780.2	796.8	811.1	805.1	796.8	788.5	775.4	775.4
52.5°	458.6	587.2	705.2	723.0	749.2	757.6	748.0	739.7	725.4	719.4	714.7
55°	425.2	526.5	632.4	668.2	695.6	706.3	688.5	680.1	658.6	655.1	652.7
57.5°	418.1	438.3	565.7	611.0	644.3	643.2	632.4	617.0	599.1	595.6	594.3
60°	383.5	316.8	494.3	547.9	582.4	578.9	569.3	555.0	538.4	536.0	533.6
62.5°	347.8	229.9	413.3	474.0	522.9	521.7	513.4	492.0	480.0	474.0	469.3
65°	295.3	193.0	294.2	394.3	464.5	466.9	449.1	433.5	420.5	413.3	412.1
67.5°	225.1	157.3	198.9	328.7	408.6	406.2	383.5	376.4	359.7	356.2	349.0
70°	166.8	104.8	138.2	266.8	353.8	347.8	329.9	321.6	306.1	297.7	293.0
72.5°	138.2	84.5	101.2	207.3	297.7	290.6	275.1	265.6	252.5	245.4	240.6
75°	112.0	89.3	77.4	153.6	241.8	237.0	222.7	213.2	202.5	193.0	194.1
77.5°	82.2	83.4	61.9	113.1	191.8	184.6	176.3	164.4	159.6	150.1	150.1
80°	61.9	65.5	46.4	77.4	138.2	138.2	131.0	122.7	114.4	109.6	109.6
82.5°	41.6	41.6	34.5	48.8	94.1	90.5	85.8	83.4	78.6	76.2	76.2
85°	19.1	23.8	21.4	29.7	51.2	53.6	53.6	51.2	50.0	47.7	48.8
87.5°	5.9	10.7	13.1	16.7	26.2	27.4	28.6	28.6	28.6	29.7	29.7
90°	7.4	13.3	19.2	20.7	32.5	48.2	56.1	49.9	37.4	28.1	28.1
92.5°	29.6	79.8	130.1	142.6	200.4	277.6	316.1	277.1	199.0	140.4	134.8
95°	71.0	162.9	254.8	277.8	493.2	780.5	924.1	824.7	625.7	476.5	459.6
97.5°	122.6	203.7	284.9	305.1	664.4	1143.4	1382.9	1320.0	1194.3	1100.0	1067.8
100°	162.5	236.0	309.6	328.0	726.7	1258.2	1524.0	1528.6	1537.7	1544.7	1506.3
102.5°	196.5	265.1	333.7	350.8	755.2	1294.3	1563.9	1644.0	1804.2	1924.4	1891.5
105°	254.1	312.2	370.3	384.9	776.4	1298.4	1559.4	1739.0	2098.2	2367.6	2349.9
107.5°	313.2	367.4	421.5	435.1	780.4	1240.6	1470.8	1721.3	2222.3	2598.0	2602.3
110°	353.1	402.0	450.9	463.2	774.4	1189.4	1396.9	1677.0	2237.0	2657.2	2675.5



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	392.2	438.8	485.6	497.2	774.7	1144.7	1329.7	1616.3	2189.5	2619.5	2647.7
115°	451.4	494.3	537.4	548.2	781.8	1093.4	1249.1	1525.3	2077.6	2491.7	2530.9
117.5°	509.7	548.8	587.9	597.6	796.4	1061.2	1193.7	1442.9	1941.3	2315.1	2358.5
120°	543.7	580.5	617.2	626.4	808.2	1050.5	1171.6	1399.3	1854.7	2196.2	2238.4
122.5°	576.9	614.1	651.2	660.4	825.1	1044.7	1154.6	1359.6	1769.7	2077.3	2118.9
125°	627.9	661.7	695.6	704.0	848.0	1040.1	1136.1	1310.3	1658.7	1919.9	1958.3
127.5°	669.3	703.4	737.6	746.1	871.0	1037.5	1120.7	1270.2	1569.3	1793.6	1825.9
130°	691.4	728.2	764.9	774.2	887.6	1039.0	1114.7	1247.8	1514.1	1713.8	1743.7
132.5°	714.3	751.1	787.8	797.1	901.2	1040.1	1109.6	1228.7	1467.1	1645.8	1672.5
135°	748.3	781.8	815.4	823.7	916.1	1039.1	1100.7	1200.5	1400.1	1549.8	1572.9
137.5°	783.0	816.2	849.4	857.6	938.2	1045.5	1099.2	1183.5	1352.3	1478.9	1497.8
140°	811.8	842.4	872.9	880.5	951.7	1046.6	1094.0	1166.9	1312.7	1422.0	1439.7
142.5°	834.0	862.2	890.5	897.5	963.0	1050.3	1094.0	1158.0	1286.1	1382.2	1397.4
145°	868.0	892.6	917.3	923.4	977.9	1050.4	1086.6	1139.0	1243.7	1322.3	1333.8
147.5°	901.9	925.9	949.9	955.9	999.5	1057.6	1086.6	1127.8	1210.3	1272.1	1281.6
150°	924.1	945.8	967.5	972.9	1010.8	1061.3	1086.6	1121.5	1191.1	1243.3	1251.0
152.5°	947.1	963.5	979.9	984.0	1018.2	1063.8	1086.6	1116.4	1175.8	1220.4	1226.2
155°	981.0	993.1	1005.3	1008.3	1034.4	1069.2	1086.6	1110.3	1157.6	1193.0	1196.8
157.5°	1006.1	1017.9	1029.8	1032.7	1050.7	1074.7	1086.6	1105.0	1141.8	1169.4	1172.1
160°	1023.2	1032.4	1041.5	1043.8	1058.1	1077.1	1086.6	1102.5	1134.0	1157.6	1159.2
162.5°	1040.1	1047.0	1054.0	1055.7	1066.0	1079.7	1086.6	1100.0	1126.5	1146.5	1148.0
165°	1058.6	1064.8	1071.0	1072.6	1077.3	1083.5	1086.6	1096.1	1115.2	1129.5	1131.1
167.5°	1075.5	1078.5	1081.5	1082.2	1086.1	1091.4	1094.0	1100.2	1112.8	1122.1	1122.7
170°	1086.6	1089.6	1092.6	1093.3	1093.6	1093.8	1094.0	1100.2	1112.8	1122.1	1122.1
172.5°	1092.6	1093.2	1093.8	1094.0	1094.0	1094.0	1094.0	1099.0	1108.8	1116.2	1115.7
175°	1100.7	1100.7	1100.7	1100.7	1098.5	1095.5	1094.0	1097.1	1103.3	1108.0	1108.0
177.5°	1100.7	1100.7	1100.7	1100.7	1099.0	1096.7	1095.5	1098.0	1102.9	1106.6	1106.0
180°	1100.7	1100.7	1100.7	1100.7	1100.7	1100.7	1100.7	1100.7	1100.7	1100.7	1100.7



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1259.0	1259.0	1259.0	1259.0	1259.0	1259.0	1259.0	1259.0	1259.0	1259.0	1259.0
2.5°	1291.2	1287.6	1291.2	1288.8	1289.9	1286.4	1275.6	1272.1	1275.6	1279.3	1279.3
5°	1306.6	1304.2	1306.6	1306.6	1305.4	1303.1	1291.2	1288.8	1291.2	1292.3	1289.9
7.5°	1311.4	1307.8	1311.4	1309.0	1309.0	1306.6	1294.7	1292.3	1293.5	1297.1	1293.5
10°	1311.4	1307.8	1311.4	1310.2	1309.0	1306.6	1294.7	1289.9	1289.9	1293.5	1289.9
12.5°	1305.4	1303.1	1305.4	1303.1	1303.1	1300.7	1288.8	1284.0	1285.2	1286.4	1281.6
15°	1295.9	1292.3	1295.9	1293.5	1294.7	1291.2	1278.0	1273.3	1273.3	1275.6	1267.3
17.5°	1281.6	1276.9	1281.6	1280.4	1279.3	1276.9	1265.0	1260.2	1259.0	1260.2	1254.2
20°	1265.0	1261.3	1265.0	1263.7	1263.7	1259.0	1247.0	1241.1	1241.1	1241.1	1235.1
22.5°	1238.8	1235.1	1238.8	1241.1	1241.1	1239.9	1229.2	1220.8	1218.5	1218.5	1211.3
25°	1208.9	1205.4	1208.9	1208.9	1207.8	1208.9	1205.4	1200.6	1197.0	1193.5	1186.3
27.5°	1180.3	1178.0	1180.3	1178.0	1180.3	1176.8	1175.6	1174.4	1169.7	1166.0	1156.5
30°	1151.7	1149.4	1151.7	1149.4	1147.0	1144.6	1138.7	1136.3	1141.1	1138.7	1123.2
32.5°	1116.0	1113.6	1116.0	1116.0	1113.6	1113.6	1104.1	1100.6	1101.7	1108.9	1094.6
35°	1079.1	1075.5	1079.1	1077.9	1079.1	1075.5	1069.6	1068.4	1063.6	1072.0	1061.2
37.5°	1036.2	1032.7	1036.2	1036.2	1036.2	1038.6	1033.9	1030.3	1023.2	1033.9	1025.6
40°	992.2	987.4	992.2	991.0	992.2	994.6	992.2	989.8	982.7	991.0	983.8
42.5°	942.2	940.9	942.2	943.3	943.3	948.1	951.7	946.9	944.6	938.5	943.3
45°	888.5	886.1	888.5	890.9	892.1	894.5	905.2	905.2	901.7	892.1	899.3
47.5°	831.3	825.4	831.3	838.5	838.5	842.1	852.8	861.2	855.2	843.2	846.9
50°	770.6	771.8	770.6	775.4	775.4	788.5	796.8	805.1	811.1	796.8	780.2
52.5°	711.1	709.9	711.1	714.7	719.4	725.4	739.7	748.0	757.6	749.2	723.0
55°	651.5	653.9	651.5	652.7	655.1	658.6	680.1	688.5	706.3	695.6	668.2
57.5°	591.9	588.4	591.9	594.3	595.6	599.1	617.0	632.4	643.2	644.3	611.0
60°	522.9	518.1	522.9	533.6	536.0	538.4	555.0	569.3	578.9	582.4	547.9
62.5°	462.1	453.8	462.1	469.3	474.0	480.0	492.0	513.4	521.7	522.9	474.0
65°	397.8	394.3	397.8	412.1	413.3	420.5	433.5	449.1	466.9	464.5	394.3
67.5°	339.5	339.5	339.5	349.0	356.2	359.7	376.4	383.5	406.2	408.6	328.7
70°	285.8	284.7	285.8	293.0	297.7	306.1	321.6	329.9	347.8	353.8	266.8
72.5°	234.6	233.5	234.6	240.6	245.4	252.5	265.6	275.1	290.6	297.7	207.3
75°	189.4	187.0	189.4	194.1	193.0	202.5	213.2	222.7	237.0	241.8	153.6
77.5°	145.3	145.3	145.3	150.1	150.1	159.6	164.4	176.3	184.6	191.8	113.1
80°	108.4	107.2	108.4	109.6	109.6	114.4	122.7	131.0	138.2	138.2	77.4
82.5°	76.2	73.9	76.2	76.2	76.2	78.6	83.4	85.8	90.5	94.1	48.8
85°	47.7	47.7	47.7	48.8	47.7	50.0	51.2	53.6	53.6	51.2	29.7
87.5°	31.0	29.7	31.0	29.7	29.7	28.6	28.6	28.6	27.4	26.2	16.7
90°	28.1	28.1	28.1	28.1	28.1	37.4	49.9	56.1	48.2	32.5	20.7
92.5°	112.5	90.1	112.5	134.8	140.4	199.0	277.1	316.1	277.6	200.4	142.6
95°	392.0	324.3	392.0	459.6	476.5	625.7	824.7	924.1	780.5	493.2	277.8
97.5°	939.1	810.4	939.1	1067.8	1100.0	1194.3	1320.0	1382.9	1143.4	664.4	305.1
100°	1353.0	1199.7	1353.0	1506.3	1544.7	1537.7	1528.6	1524.0	1258.2	726.7	328.0
102.5°	1760.2	1628.9	1760.2	1891.5	1924.4	1804.2	1644.0	1563.9	1294.3	755.2	350.8
105°	2279.3	2208.7	2279.3	2349.9	2367.6	2098.2	1739.0	1559.4	1298.4	776.4	384.9
107.5°	2619.4	2636.5	2619.4	2602.3	2598.0	2222.3	1721.3	1470.8	1240.6	780.4	435.1
110°	2749.1	2822.6	2749.1	2675.5	2657.2	2237.0	1677.0	1396.9	1189.4	774.4	463.2



TEST NUMBER: P935076

CATALOG NUMBER: SQ4-FA-100U-050D-940-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2760.6	2873.6	2760.6	2647.7	2619.5	2189.5	1616.3	1329.7	1144.7	774.7	497.2
115°	2687.4	2844.1	2687.4	2530.9	2491.7	2077.6	1525.3	1249.1	1093.4	781.8	548.2
117.5°	2532.2	2705.9	2532.2	2358.5	2315.1	1941.3	1442.9	1193.7	1061.2	796.4	597.6
120°	2407.2	2575.9	2407.2	2238.4	2196.2	1854.7	1399.3	1171.6	1050.5	808.2	626.4
122.5°	2285.4	2451.8	2285.4	2118.9	2077.3	1769.7	1359.6	1154.6	1044.7	825.1	660.4
125°	2111.6	2264.9	2111.6	1958.3	1919.9	1658.7	1310.3	1136.1	1040.1	848.0	704.0
127.5°	1955.3	2084.7	1955.3	1825.9	1793.6	1569.3	1270.2	1120.7	1037.5	871.0	746.1
130°	1863.2	1982.7	1863.2	1743.7	1713.8	1514.1	1247.8	1114.7	1039.0	887.6	774.2
132.5°	1779.6	1886.6	1779.6	1672.5	1645.8	1467.1	1228.7	1109.6	1040.1	901.2	797.1
135°	1665.2	1757.4	1665.2	1572.9	1549.8	1400.1	1200.5	1100.7	1039.1	916.1	823.7
137.5°	1573.3	1648.8	1573.3	1497.8	1478.9	1352.3	1183.5	1099.2	1045.5	938.2	857.6
140°	1510.2	1580.8	1510.2	1439.7	1422.0	1312.7	1166.9	1094.0	1046.6	951.7	880.5
142.5°	1458.1	1518.8	1458.1	1397.4	1382.2	1286.1	1158.0	1094.0	1050.3	963.0	897.5
145°	1379.8	1425.7	1379.8	1333.8	1322.3	1243.7	1139.0	1086.6	1050.4	977.9	923.4
147.5°	1319.7	1357.8	1319.7	1281.6	1272.1	1210.3	1127.8	1086.6	1057.6	999.5	955.9
150°	1281.8	1312.7	1281.8	1251.0	1243.3	1191.1	1121.5	1086.6	1061.3	1010.8	972.9
152.5°	1249.5	1272.8	1249.5	1226.2	1220.4	1175.8	1116.4	1086.6	1063.8	1018.2	984.0
155°	1212.3	1227.7	1212.3	1196.8	1193.0	1157.6	1110.3	1086.6	1069.2	1034.4	1008.3
157.5°	1182.9	1193.7	1182.9	1172.1	1169.4	1141.8	1105.0	1086.6	1074.7	1050.7	1032.7
160°	1165.4	1171.6	1165.4	1159.2	1157.6	1134.0	1102.5	1086.6	1077.1	1058.1	1043.8
162.5°	1153.9	1159.8	1153.9	1148.0	1146.5	1126.5	1100.0	1086.6	1079.7	1066.0	1055.7
165°	1137.4	1143.6	1137.4	1131.1	1129.5	1115.2	1096.1	1086.6	1083.5	1077.3	1072.6
167.5°	1125.4	1128.0	1125.4	1122.7	1122.1	1112.8	1100.2	1094.0	1091.4	1086.1	1082.2
170°	1122.1	1122.1	1122.1	1122.1	1122.1	1112.8	1100.2	1094.0	1093.8	1093.6	1093.3
172.5°	1113.4	1111.1	1113.4	1115.7	1116.2	1108.8	1099.0	1094.0	1094.0	1094.0	1094.0
175°	1108.0	1108.0	1108.0	1108.0	1108.0	1103.3	1097.1	1094.0	1095.5	1098.5	1100.7
177.5°	1103.3	1100.7	1103.3	1106.0	1106.6	1102.9	1098.0	1095.5	1096.7	1099.0	1100.7
180°	1100.7	1100.7	1100.7	1100.7	1100.7	1100.7	1100.7	1100.7	1100.7	1100.7	1100.7



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1259.0	1259.0	1259.0	1259.0	1259.0	1259.0	1259.0	1259.0	1259.0	1259.0	1259.0
2.5°	1276.9	1269.7	1269.7	1257.8	1253.1	1249.4	1243.5	1225.6	1220.8	1216.1	1223.2
5°	1287.6	1274.5	1265.0	1243.5	1225.6	1218.5	1195.9	1153.0	1124.4	1102.9	1091.0
7.5°	1289.9	1273.3	1255.4	1222.1	1179.2	1160.1	1091.0	1012.4	991.0	971.9	960.0
10°	1287.6	1268.5	1243.5	1193.5	1092.2	1058.9	989.8	938.5	925.5	921.9	925.5
12.5°	1279.3	1261.3	1226.8	1143.5	1001.7	979.1	938.5	908.8	906.4	912.3	944.6
15°	1265.0	1248.3	1207.8	1076.7	951.7	935.0	906.4	895.7	908.8	950.5	1047.0
17.5°	1250.7	1231.6	1181.6	1011.3	913.6	901.7	881.4	902.8	976.7	1032.7	1064.8
20°	1231.6	1208.9	1151.7	963.6	886.1	875.5	865.9	962.4	1018.4	1038.6	1056.5
22.5°	1208.9	1185.1	1111.2	930.3	857.5	849.3	855.2	995.7	1018.4	1032.7	1048.1
25°	1179.2	1158.9	1063.6	904.1	835.0	825.4	848.0	992.2	1005.3	1008.9	1039.8
27.5°	1151.7	1125.5	1013.7	880.2	807.5	804.0	854.0	976.7	986.2	989.8	1023.2
30°	1118.4	1079.1	957.6	855.2	779.0	777.8	855.2	957.6	955.2	964.8	998.1
32.5°	1083.9	1010.0	894.5	824.2	751.6	750.4	846.9	929.0	926.6	939.8	964.8
35°	1051.7	956.5	808.7	788.5	717.1	718.2	826.6	895.7	896.9	908.8	924.3
37.5°	1018.4	910.0	714.7	749.2	683.7	683.7	799.2	864.7	862.3	865.9	887.4
40°	979.1	837.3	631.3	698.0	652.7	649.1	765.9	831.3	823.0	821.8	851.6
42.5°	937.4	757.6	569.3	630.1	617.0	612.2	725.4	790.9	775.4	779.0	817.0
45°	892.1	736.1	521.7	532.4	580.0	576.5	681.3	744.4	733.7	743.3	782.5
47.5°	846.9	693.2	506.2	441.9	540.8	539.5	632.4	699.1	693.2	702.8	744.4
50°	784.9	645.6	505.0	378.7	496.7	501.5	574.1	655.1	655.1	663.4	707.5
52.5°	705.2	587.2	458.6	343.0	445.4	459.7	522.9	617.0	619.4	627.7	667.0
55°	632.4	526.5	425.2	315.6	384.7	415.7	472.9	577.6	582.4	590.8	626.5
57.5°	565.7	438.3	418.1	283.4	328.7	358.5	428.8	539.5	541.9	549.1	583.6
60°	494.3	316.8	383.5	248.9	279.9	302.5	388.3	494.3	502.6	507.4	537.2
62.5°	413.3	229.9	347.8	225.1	256.1	260.8	354.9	451.5	462.1	465.8	483.6
65°	294.2	193.0	295.3	204.9	231.1	232.3	319.2	407.3	416.9	422.9	435.9
67.5°	198.9	157.3	225.1	185.8	212.1	213.2	284.7	356.2	369.2	374.0	382.4
70°	138.2	104.8	166.8	165.5	190.6	193.0	247.8	309.6	321.6	325.2	329.9
72.5°	101.2	84.5	138.2	148.9	167.9	170.3	209.7	257.3	269.2	272.8	275.1
75°	77.4	89.3	112.0	129.8	143.0	144.1	171.5	209.7	218.0	220.3	221.6
77.5°	61.9	83.4	82.2	104.8	116.7	114.4	134.6	162.0	169.2	169.2	169.2
80°	46.4	65.5	61.9	75.0	85.8	83.4	96.4	115.5	117.9	120.3	119.1
82.5°	34.5	41.6	41.6	47.7	57.2	54.8	64.3	75.0	75.0	75.0	77.4
85°	21.4	23.8	19.1	25.0	32.1	31.0	35.7	40.5	41.6	41.6	39.3
87.5°	13.1	10.7	5.9	9.5	14.3	14.3	16.7	17.8	16.7	16.7	16.7
90°	19.2	13.3	7.4	13.3	19.2	20.7	32.5	48.2	56.1	49.9	37.4
92.5°	130.1	79.8	29.6	79.8	130.1	142.6	200.4	277.6	316.1	277.1	199.0
95°	254.8	162.9	71.0	162.9	254.8	277.8	493.2	780.5	924.1	824.7	625.7
97.5°	284.9	203.7	122.6	203.7	284.9	305.1	664.4	1143.4	1382.9	1320.0	1194.3
100°	309.6	236.0	162.5	236.0	309.6	328.0	726.7	1258.2	1524.0	1528.6	1537.7
102.5°	333.7	265.1	196.5	265.1	333.7	350.8	755.2	1294.3	1563.9	1644.0	1804.2
105°	370.3	312.2	254.1	312.2	370.3	384.9	776.4	1298.4	1559.4	1739.0	2098.2
107.5°	421.5	367.4	313.2	367.4	421.5	435.1	780.4	1240.6	1470.8	1721.3	2222.3
110°	450.9	402.0	353.1	402.0	450.9	463.2	774.4	1189.4	1396.9	1677.0	2237.0



TEST NUMBER: P935076

CATALOG NUMBER: SQ4-FA-100U-050D-940-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	485.6	438.8	392.2	438.8	485.6	497.2	774.7	1144.7	1329.7	1616.3	2189.5
115°	537.4	494.3	451.4	494.3	537.4	548.2	781.8	1093.4	1249.1	1525.3	2077.6
117.5°	587.9	548.8	509.7	548.8	587.9	597.6	796.4	1061.2	1193.7	1442.9	1941.3
120°	617.2	580.5	543.7	580.5	617.2	626.4	808.2	1050.5	1171.6	1399.3	1854.7
122.5°	651.2	614.1	576.9	614.1	651.2	660.4	825.1	1044.7	1154.6	1359.6	1769.7
125°	695.6	661.7	627.9	661.7	695.6	704.0	848.0	1040.1	1136.1	1310.3	1658.7
127.5°	737.6	703.4	669.3	703.4	737.6	746.1	871.0	1037.5	1120.7	1270.2	1569.3
130°	764.9	728.2	691.4	728.2	764.9	774.2	887.6	1039.0	1114.7	1247.8	1514.1
132.5°	787.8	751.1	714.3	751.1	787.8	797.1	901.2	1040.1	1109.6	1228.7	1467.1
135°	815.4	781.8	748.3	781.8	815.4	823.7	916.1	1039.1	1100.7	1200.5	1400.1
137.5°	849.4	816.2	783.0	816.2	849.4	857.6	938.2	1045.5	1099.2	1183.5	1352.3
140°	872.9	842.4	811.8	842.4	872.9	880.5	951.7	1046.6	1094.0	1166.9	1312.7
142.5°	890.5	862.2	834.0	862.2	890.5	897.5	963.0	1050.3	1094.0	1158.0	1286.1
145°	917.3	892.6	868.0	892.6	917.3	923.4	977.9	1050.4	1086.6	1139.0	1243.7
147.5°	949.9	925.9	901.9	925.9	949.9	955.9	999.5	1057.6	1086.6	1127.8	1210.3
150°	967.5	945.8	924.1	945.8	967.5	972.9	1010.8	1061.3	1086.6	1121.5	1191.1
152.5°	979.9	963.5	947.1	963.5	979.9	984.0	1018.2	1063.8	1086.6	1116.4	1175.8
155°	1005.3	993.1	981.0	993.1	1005.3	1008.3	1034.4	1069.2	1086.6	1110.3	1157.6
157.5°	1029.8	1017.9	1006.1	1017.9	1029.8	1032.7	1050.7	1074.7	1086.6	1105.0	1141.8
160°	1041.5	1032.4	1023.2	1032.4	1041.5	1043.8	1058.1	1077.1	1086.6	1102.5	1134.0
162.5°	1054.0	1047.0	1040.1	1047.0	1054.0	1055.7	1066.0	1079.7	1086.6	1100.0	1126.5
165°	1071.0	1064.8	1058.6	1064.8	1071.0	1072.6	1077.3	1083.5	1086.6	1096.1	1115.2
167.5°	1081.5	1078.5	1075.5	1078.5	1081.5	1082.2	1086.1	1091.4	1094.0	1100.2	1112.8
170°	1092.6	1089.6	1086.6	1089.6	1092.6	1093.3	1093.6	1093.8	1094.0	1100.2	1112.8
172.5°	1093.8	1093.2	1092.6	1093.2	1093.8	1094.0	1094.0	1094.0	1094.0	1099.0	1108.8
175°	1100.7	1100.7	1100.7	1100.7	1100.7	1100.7	1098.5	1095.5	1094.0	1097.1	1103.3
177.5°	1100.7	1100.7	1100.7	1100.7	1100.7	1100.7	1099.0	1096.7	1095.5	1098.0	1102.9
180°	1100.7	1100.7	1100.7	1100.7	1100.7	1100.7	1100.7	1100.7	1100.7	1100.7	1100.7



TEST NUMBER: P935076
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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1259.0	1259.0	1259.0	1259.0	1259.0	1259.0	1259.0	1259.0	1259.0	1259.0	1259.0
2.5°	1214.9	1211.3	1216.1	1203.0	1216.1	1211.3	1214.9	1223.2	1216.1	1220.8	1225.6
5°	1066.0	1060.1	1041.0	1025.6	1041.0	1060.1	1066.0	1091.0	1102.9	1124.4	1153.0
7.5°	952.8	948.1	943.3	933.8	943.3	948.1	952.8	960.0	971.9	991.0	1012.4
10°	927.9	929.0	936.2	935.0	936.2	929.0	927.9	925.5	921.9	925.5	938.5
12.5°	992.2	1002.9	1042.2	1039.8	1042.2	1002.9	992.2	944.6	912.3	906.4	908.8
15°	1066.0	1069.6	1077.9	1079.1	1077.9	1069.6	1066.0	1047.0	950.5	908.8	895.7
17.5°	1073.1	1074.4	1080.3	1080.3	1080.3	1074.4	1073.1	1064.8	1032.7	976.7	902.8
20°	1067.2	1069.6	1081.5	1083.9	1081.5	1069.6	1067.2	1056.5	1038.6	1018.4	962.4
22.5°	1064.8	1069.6	1079.1	1077.9	1079.1	1069.6	1064.8	1048.1	1032.7	1018.4	995.7
25°	1052.9	1052.9	1054.1	1055.3	1054.1	1052.9	1052.9	1039.8	1008.9	1005.3	992.2
27.5°	1027.9	1030.3	1037.5	1036.2	1037.5	1030.3	1027.9	1023.2	989.8	986.2	976.7
30°	1005.3	1002.9	997.0	992.2	997.0	1002.9	1005.3	998.1	964.8	955.2	957.6
32.5°	967.1	961.2	955.2	951.7	955.2	961.2	967.1	964.8	939.8	926.6	929.0
35°	921.9	923.1	921.9	918.3	921.9	923.1	921.9	924.3	908.8	896.9	895.7
37.5°	889.8	892.1	890.9	886.1	890.9	892.1	889.8	887.4	865.9	862.3	864.7
40°	856.4	857.5	856.4	852.8	856.4	857.5	856.4	851.6	821.8	823.0	831.3
42.5°	824.2	823.0	819.4	817.0	819.4	823.0	824.2	817.0	779.0	775.4	790.9
45°	787.3	788.5	781.4	777.8	781.4	788.5	787.3	782.5	743.3	733.7	744.4
47.5°	750.4	750.4	744.4	740.9	744.4	750.4	750.4	744.4	702.8	693.2	699.1
50°	711.1	709.9	701.5	700.4	701.5	709.9	711.1	707.5	663.4	655.1	655.1
52.5°	665.8	665.8	667.0	669.4	667.0	665.8	665.8	667.0	627.7	619.4	617.0
55°	626.5	627.7	636.1	638.4	636.1	627.7	626.5	626.5	590.8	582.4	577.6
57.5°	586.0	586.0	591.9	591.9	591.9	586.0	586.0	583.6	549.1	541.9	539.5
60°	539.5	541.9	546.7	545.5	546.7	541.9	539.5	537.2	507.4	502.6	494.3
62.5°	490.7	493.1	494.3	492.0	494.3	493.1	490.7	483.6	465.8	462.1	451.5
65°	439.5	441.9	443.1	440.7	443.1	441.9	439.5	435.9	422.9	416.9	407.3
67.5°	387.1	385.9	384.7	389.5	384.7	385.9	387.1	382.4	374.0	369.2	356.2
70°	333.5	333.5	332.3	334.7	332.3	333.5	333.5	329.9	325.2	321.6	309.6
72.5°	276.3	275.1	279.9	276.3	279.9	275.1	276.3	275.1	272.8	269.2	257.3
75°	220.3	222.7	220.3	224.0	220.3	222.7	220.3	221.6	220.3	218.0	209.7
77.5°	167.9	170.3	167.9	167.9	167.9	170.3	167.9	169.2	169.2	169.2	162.0
80°	119.1	117.9	117.9	116.7	117.9	117.9	119.1	119.1	120.3	117.9	115.5
82.5°	76.2	75.0	75.0	77.4	75.0	75.0	76.2	77.4	75.0	75.0	75.0
85°	41.6	42.9	40.5	40.5	40.5	42.9	41.6	39.3	41.6	41.6	40.5
87.5°	15.5	14.3	14.3	14.3	14.3	14.3	15.5	16.7	16.7	16.7	17.8
90°	28.1	28.1	28.1	28.1	28.1	28.1	28.1	37.4	49.9	56.1	48.2
92.5°	140.4	134.8	112.5	90.1	112.5	134.8	140.4	199.0	277.1	316.1	277.6
95°	476.5	459.6	392.0	324.3	392.0	459.6	476.5	625.7	824.7	924.1	780.5
97.5°	1100.0	1067.8	939.1	810.4	939.1	1067.8	1100.0	1194.3	1320.0	1382.9	1143.4
100°	1544.7	1506.3	1353.0	1199.7	1353.0	1506.3	1544.7	1537.7	1528.6	1524.0	1258.2
102.5°	1924.4	1891.5	1760.2	1628.9	1760.2	1891.5	1924.4	1804.2	1644.0	1563.9	1294.3
105°	2367.6	2349.9	2279.3	2208.7	2279.3	2349.9	2367.6	2098.2	1739.0	1559.4	1298.4
107.5°	2598.0	2602.3	2619.4	2636.5	2619.4	2602.3	2598.0	2222.3	1721.3	1470.8	1240.6
110°	2657.2	2675.5	2749.1	2822.6	2749.1	2675.5	2657.2	2237.0	1677.0	1396.9	1189.4



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2619.5	2647.7	2760.6	2873.6	2760.6	2647.7	2619.5	2189.5	1616.3	1329.7	1144.7
115°	2491.7	2530.9	2687.4	2844.1	2687.4	2530.9	2491.7	2077.6	1525.3	1249.1	1093.4
117.5°	2315.1	2358.5	2532.2	2705.9	2532.2	2358.5	2315.1	1941.3	1442.9	1193.7	1061.2
120°	2196.2	2238.4	2407.2	2575.9	2407.2	2238.4	2196.2	1854.7	1399.3	1171.6	1050.5
122.5°	2077.3	2118.9	2285.4	2451.8	2285.4	2118.9	2077.3	1769.7	1359.6	1154.6	1044.7
125°	1919.9	1958.3	2111.6	2264.9	2111.6	1958.3	1919.9	1658.7	1310.3	1136.1	1040.1
127.5°	1793.6	1825.9	1955.3	2084.7	1955.3	1825.9	1793.6	1569.3	1270.2	1120.7	1037.5
130°	1713.8	1743.7	1863.2	1982.7	1863.2	1743.7	1713.8	1514.1	1247.8	1114.7	1039.0
132.5°	1645.8	1672.5	1779.6	1886.6	1779.6	1672.5	1645.8	1467.1	1228.7	1109.6	1040.1
135°	1549.8	1572.9	1665.2	1757.4	1665.2	1572.9	1549.8	1400.1	1200.5	1100.7	1039.1
137.5°	1478.9	1497.8	1573.3	1648.8	1573.3	1497.8	1478.9	1352.3	1183.5	1099.2	1045.5
140°	1422.0	1439.7	1510.2	1580.8	1510.2	1439.7	1422.0	1312.7	1166.9	1094.0	1046.6
142.5°	1382.2	1397.4	1458.1	1518.8	1458.1	1397.4	1382.2	1286.1	1158.0	1094.0	1050.3
145°	1322.3	1333.8	1379.8	1425.7	1379.8	1333.8	1322.3	1243.7	1139.0	1086.6	1050.4
147.5°	1272.1	1281.6	1319.7	1357.8	1319.7	1281.6	1272.1	1210.3	1127.8	1086.6	1057.6
150°	1243.3	1251.0	1281.8	1312.7	1281.8	1251.0	1243.3	1191.1	1121.5	1086.6	1061.3
152.5°	1220.4	1226.2	1249.5	1272.8	1249.5	1226.2	1220.4	1175.8	1116.4	1086.6	1063.8
155°	1193.0	1196.8	1212.3	1227.7	1212.3	1196.8	1193.0	1157.6	1110.3	1086.6	1069.2
157.5°	1169.4	1172.1	1182.9	1193.7	1182.9	1172.1	1169.4	1141.8	1105.0	1086.6	1074.7
160°	1157.6	1159.2	1165.4	1171.6	1165.4	1159.2	1157.6	1134.0	1102.5	1086.6	1077.1
162.5°	1146.5	1148.0	1153.9	1159.8	1153.9	1148.0	1146.5	1126.5	1100.0	1086.6	1079.7
165°	1129.5	1131.1	1137.4	1143.6	1137.4	1131.1	1129.5	1115.2	1096.1	1086.6	1083.5
167.5°	1122.1	1122.7	1125.4	1128.0	1125.4	1122.7	1122.1	1112.8	1100.2	1094.0	1091.4
170°	1122.1	1122.1	1122.1	1122.1	1122.1	1122.1	1122.1	1112.8	1100.2	1094.0	1093.8
172.5°	1116.2	1115.7	1113.4	1111.1	1113.4	1115.7	1116.2	1108.8	1099.0	1094.0	1094.0
175°	1108.0	1108.0	1108.0	1108.0	1108.0	1108.0	1108.0	1103.3	1097.1	1094.0	1095.5
177.5°	1106.6	1106.0	1103.3	1100.7	1103.3	1106.0	1106.6	1102.9	1098.0	1095.5	1096.7
180°	1100.7	1100.7	1100.7	1100.7	1100.7	1100.7	1100.7	1100.7	1100.7	1100.7	1100.7



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1259.0	1259.0	1259.0	1259.0	1259.0
2.5°	1243.5	1249.4	1253.1	1257.8	1269.7
5°	1195.9	1218.5	1225.6	1243.5	1265.0
7.5°	1091.0	1160.1	1179.2	1222.1	1255.4
10°	989.8	1058.9	1092.2	1193.5	1243.5
12.5°	938.5	979.1	1001.7	1143.5	1226.8
15°	906.4	935.0	951.7	1076.7	1207.8
17.5°	881.4	901.7	913.6	1011.3	1181.6
20°	865.9	875.5	886.1	963.6	1151.7
22.5°	855.2	849.3	857.5	930.3	1111.2
25°	848.0	825.4	835.0	904.1	1063.6
27.5°	854.0	804.0	807.5	880.2	1013.7
30°	855.2	777.8	779.0	855.2	957.6
32.5°	846.9	750.4	751.6	824.2	894.5
35°	826.6	718.2	717.1	788.5	808.7
37.5°	799.2	683.7	683.7	749.2	714.7
40°	765.9	649.1	652.7	698.0	631.3
42.5°	725.4	612.2	617.0	630.1	569.3
45°	681.3	576.5	580.0	532.4	521.7
47.5°	632.4	539.5	540.8	441.9	506.2
50°	574.1	501.5	496.7	378.7	505.0
52.5°	522.9	459.7	445.4	343.0	458.6
55°	472.9	415.7	384.7	315.6	425.2
57.5°	428.8	358.5	328.7	283.4	418.1
60°	388.3	302.5	279.9	248.9	383.5
62.5°	354.9	260.8	256.1	225.1	347.8
65°	319.2	232.3	231.1	204.9	295.3
67.5°	284.7	213.2	212.1	185.8	225.1
70°	247.8	193.0	190.6	165.5	166.8
72.5°	209.7	170.3	167.9	148.9	138.2
75°	171.5	144.1	143.0	129.8	112.0
77.5°	134.6	114.4	116.7	104.8	82.2
80°	96.4	83.4	85.8	75.0	61.9
82.5°	64.3	54.8	57.2	47.7	41.6
85°	35.7	31.0	32.1	25.0	19.1
87.5°	16.7	14.3	14.3	9.5	5.9
90°	32.5	20.7	19.2	13.3	7.4
92.5°	200.4	142.6	130.1	79.8	29.6
95°	493.2	277.8	254.8	162.9	71.0
97.5°	664.4	305.1	284.9	203.7	122.6
100°	726.7	328.0	309.6	236.0	162.5
102.5°	755.2	350.8	333.7	265.1	196.5
105°	776.4	384.9	370.3	312.2	254.1
107.5°	780.4	435.1	421.5	367.4	313.2
110°	774.4	463.2	450.9	402.0	353.1



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CATALOG NUMBER: SQ4-FA-100U-050D-940-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	774.7	497.2	485.6	438.8	392.2
115°	781.8	548.2	537.4	494.3	451.4
117.5°	796.4	597.6	587.9	548.8	509.7
120°	808.2	626.4	617.2	580.5	543.7
122.5°	825.1	660.4	651.2	614.1	576.9
125°	848.0	704.0	695.6	661.7	627.9
127.5°	871.0	746.1	737.6	703.4	669.3
130°	887.6	774.2	764.9	728.2	691.4
132.5°	901.2	797.1	787.8	751.1	714.3
135°	916.1	823.7	815.4	781.8	748.3
137.5°	938.2	857.6	849.4	816.2	783.0
140°	951.7	880.5	872.9	842.4	811.8
142.5°	963.0	897.5	890.5	862.2	834.0
145°	977.9	923.4	917.3	892.6	868.0
147.5°	999.5	955.9	949.9	925.9	901.9
150°	1010.8	972.9	967.5	945.8	924.1
152.5°	1018.2	984.0	979.9	963.5	947.1
155°	1034.4	1008.3	1005.3	993.1	981.0
157.5°	1050.7	1032.7	1029.8	1017.9	1006.1
160°	1058.1	1043.8	1041.5	1032.4	1023.2
162.5°	1066.0	1055.7	1054.0	1047.0	1040.1
165°	1077.3	1072.6	1071.0	1064.8	1058.6
167.5°	1086.1	1082.2	1081.5	1078.5	1075.5
170°	1093.6	1093.3	1092.6	1089.6	1086.6
172.5°	1094.0	1094.0	1093.8	1093.2	1092.6
175°	1098.5	1100.7	1100.7	1100.7	1100.7
177.5°	1099.0	1100.7	1100.7	1100.7	1100.7
180°	1100.7	1100.7	1100.7	1100.7	1100.7



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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	8.91	9.63	10.02	10.73	12.24	11.75	12.47	12.85	13.57	15.08
	3H	9.38	10.02	10.49	11.13	12.66	13.09	13.73	14.20	14.84	16.37
	4H	9.56	10.17	10.69	11.28	12.82	13.53	14.14	14.65	15.24	16.78
	6H	9.68	10.24	10.81	11.35	12.89	13.81	14.37	14.94	15.48	17.03
	8H	9.67	10.21	10.81	11.33	12.87	13.88	14.41	15.01	15.54	17.08
	12H	9.64	10.14	10.78	11.26	12.83	13.91	14.42	15.05	15.54	17.10
4H	2H	9.93	10.54	11.06	11.65	13.18	12.14	12.75	13.27	13.86	15.40
	3H	10.94	11.45	12.08	12.59	14.13	13.64	14.14	14.77	15.28	16.83
	4H	11.21	11.68	12.35	12.80	14.37	14.16	14.63	15.30	15.75	17.32
	6H	11.33	11.73	12.48	12.88	14.44	14.52	14.92	15.66	16.07	17.63
	8H	11.33	11.71	12.48	12.84	14.42	14.62	15.00	15.77	16.14	17.71
	12H	11.29	11.63	12.45	12.78	14.36	14.68	15.01	15.84	16.16	17.75
8H	4H	11.66	12.03	12.80	13.17	14.75	14.27	14.65	15.42	15.78	17.36
	6H	11.91	12.22	13.08	13.40	14.97	14.71	15.01	15.87	16.19	17.77
	8H	11.95	12.22	13.12	13.38	14.98	14.86	15.13	16.03	16.29	17.88
	12H	11.93	12.17	13.11	13.32	14.95	14.95	15.19	16.13	16.34	17.97
12H	4H	11.66	11.99	12.82	13.14	14.73	14.23	14.57	15.39	15.72	17.30
	6H	11.97	12.24	13.14	13.40	14.99	14.70	14.97	15.87	16.13	17.72
	8H	12.03	12.27	13.21	13.42	15.05	14.86	15.09	16.03	16.25	17.88