

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: P935350

Luminaire Tested: SQ4-FA-100U-125D-930-1D-UNV-STD-W-4

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935350
REPORT IS A COMBINATION OF REPORTS P933750 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-100U-125D-930-1D-UNV-STD-W-4
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

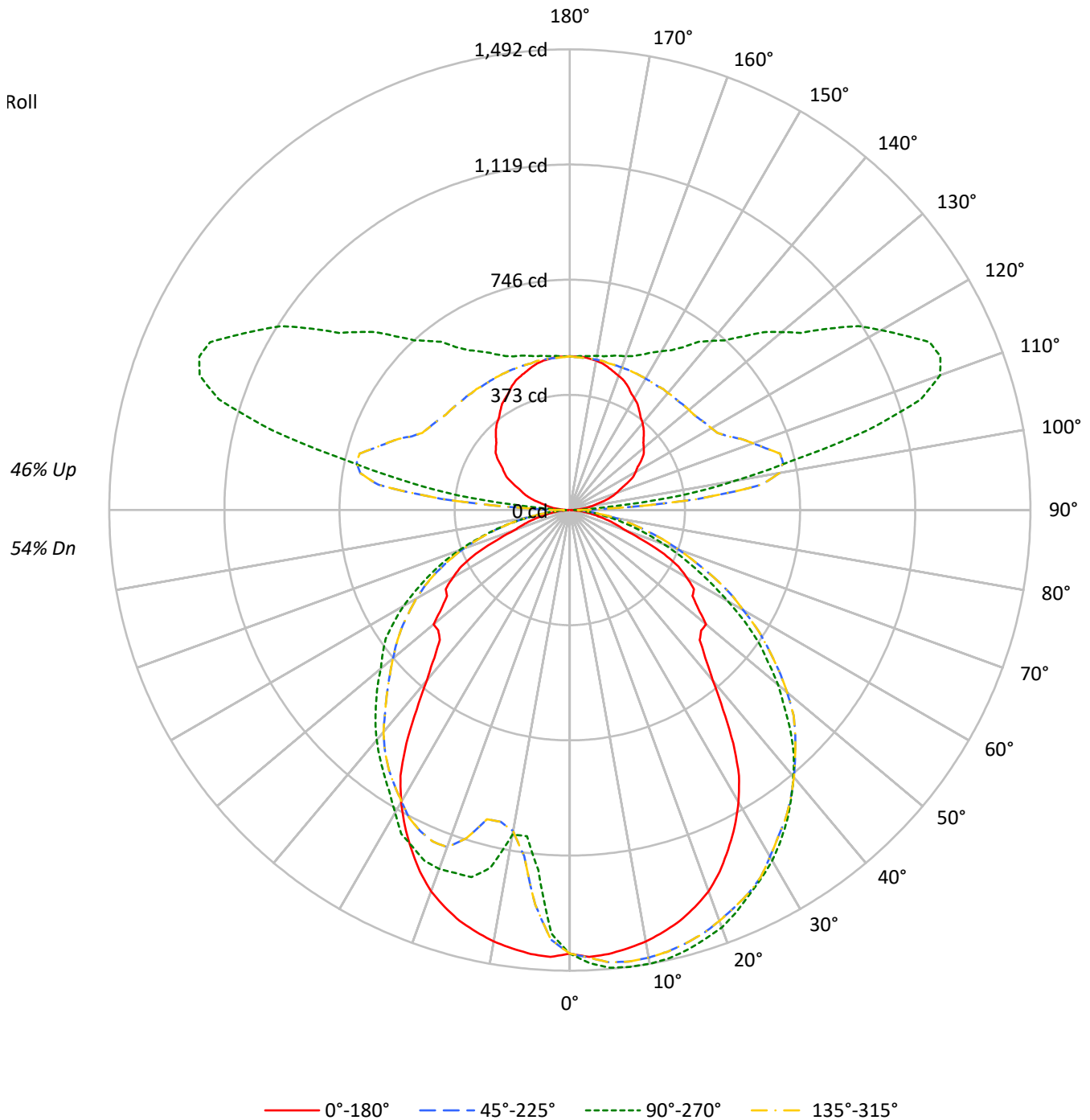
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6952.3 lumens
Efficiency: N/A
Efficacy: 101.1 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 4' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 68.8
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





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				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	108	108	108	108	100	100	100	100	85	85	85	72	72	72	59	59	59	54				54
1	99	94	90	87	91	88	84	81	75	73	70	63	62	60	53	51	50	45				45
2	90	82	76	71	83	77	71	67	66	62	58	56	53	50	46	44	42	38				38
3	82	72	65	59	76	67	61	56	58	53	49	49	46	42	41	38	36	32				32
4	75	64	56	50	69	60	53	47	51	46	42	44	40	36	37	34	31	28				28
5	69	57	49	43	64	53	46	41	46	40	36	39	35	31	33	30	27	24				24
6	63	51	43	37	59	48	41	35	41	36	31	35	31	28	30	26	24	21				21
7	59	46	38	33	54	43	36	31	38	32	28	32	28	24	27	24	21	19				19
8	54	42	34	29	50	39	32	27	34	29	24	29	25	22	25	22	19	17				17
9	51	38	31	26	47	36	29	24	31	26	22	27	23	19	23	20	17	15				15
10	47	35	28	23	44	33	26	22	29	23	20	25	21	18	21	18	15	13				13

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	13329	13329	13329	13329
5°	13414	13454	13414	10580
10°	13309	13253	13309	9476
15°	13149	12967	13149	10827
20°	12859	12626	12859	10849
25°	12281	12130	12281	10620
30°	11540	11718	11540	10115
35°	10272	11197	10272	9561
40°	8545	10583	8545	9141
45°	7620	9866	7620	8659
50°	8077	9010	8077	8176
55°	7579	8087	7579	7896
60°	7784	6869	7784	7232
65°	7023	5678	7023	6347
70°	4829	4525	4829	5319
75°	4191	3345	4191	4006
80°	3309	2211	3309	2406
85°	1805	1172	1805	995

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 11701 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	129.7	1.9
10°-20°	368.1	5.3
20°-30°	569.1	8.2
30°-40°	679.4	9.8
40°-50°	683.3	9.8
50°-60°	594.6	8.6
60°-70°	421.6	6.1
70°-80°	223.0	3.2
80°-90°	57.4	0.8
90°-100°	242.6	3.5
100°-110°	637.8	9.2
110°-120°	661.3	9.5
120°-130°	530.4	7.6
130°-140°	416.2	6.0
140°-150°	319.5	4.6
150°-160°	230.1	3.3
160°-170°	140.8	2.0
170°-180°	47.6	0.7
0°-30°	1066.9	15.3
0°-40°	1746.2	25.1
0°-60°	3024.2	43.5
0°-90°	3726.2	53.6
90°-120°	1541.7	22.2
90°-150°	2807.8	40.4
90°-180°	3226.0	46.4
0°-180°	6952.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1436	1436	1436	1436	1436	
5°	1443	1488	1443	1170	1443	137
15°	1378	1474	1378	1231	1378	388
25°	1214	1375	1214	1204	1214	557
35°	923	1227	923	1048	923	571
45°	595	1011	595	887	595	477
55°	485	746	485	728	485	446
65°	337	450	337	503	337	322
75°	128	213	128	256	128	134
85°	22	54	22	46	22	29
90°	3	13	3	13	3	4
95°	32	147	32	147	32	36
105°	115	999	115	999	115	122
115°	204	1286	204	1286	204	202
125°	284	1024	284	1024	284	252
135°	338	795	338	795	338	262
145°	392	645	392	645	392	246
155°	444	555	444	555	444	204
165°	479	517	479	517	479	135
175°	498	501	498	501	498	47
180°	498	498	498	498	498	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1436.4	1436.4	1436.4	1436.4	1436.4	1436.4	1436.4	1436.4	1436.4	1436.4	1436.4
2.5°	1448.6	1448.6	1456.8	1459.5	1459.5	1455.4	1451.3	1455.4	1467.6	1471.7	1470.4
5°	1443.2	1454.1	1469.0	1471.7	1474.5	1473.1	1470.4	1473.1	1486.7	1489.4	1490.8
7.5°	1432.3	1452.7	1471.7	1475.8	1479.8	1475.8	1474.5	1477.2	1490.8	1493.5	1493.5
10°	1418.7	1447.2	1469.0	1471.7	1475.8	1471.7	1471.7	1477.2	1490.8	1493.5	1494.9
12.5°	1399.7	1439.1	1459.5	1462.2	1467.6	1466.3	1464.9	1470.4	1483.9	1486.7	1486.7
15°	1377.9	1424.2	1443.2	1445.9	1455.4	1452.7	1452.7	1458.2	1473.1	1477.2	1475.8
17.5°	1348.1	1405.2	1426.9	1430.9	1437.8	1436.4	1437.8	1443.2	1456.8	1459.5	1460.8
20°	1314.1	1379.3	1405.2	1409.2	1416.0	1416.0	1416.0	1422.8	1436.4	1441.9	1441.9
22.5°	1267.9	1352.2	1379.3	1382.0	1390.2	1390.2	1392.9	1402.4	1414.6	1416.0	1416.0
25°	1213.5	1322.2	1345.3	1353.5	1361.6	1365.7	1369.8	1375.2	1379.3	1377.9	1379.3
27.5°	1156.5	1284.2	1314.1	1319.5	1330.4	1334.5	1339.9	1341.3	1342.6	1346.7	1344.0
30°	1092.6	1231.2	1276.0	1281.5	1299.2	1301.8	1296.4	1299.2	1305.9	1308.6	1311.4
32.5°	1020.5	1152.4	1236.6	1248.8	1265.2	1257.0	1255.7	1259.7	1270.6	1270.6	1273.3
35°	922.7	1091.2	1199.9	1210.8	1223.0	1213.5	1219.0	1220.3	1227.1	1231.2	1229.9
37.5°	815.4	1038.2	1161.9	1170.1	1179.5	1167.3	1175.5	1179.5	1185.0	1182.3	1182.3
40°	720.2	955.3	1117.1	1122.5	1130.6	1121.1	1129.3	1132.0	1134.7	1132.0	1130.6
42.5°	649.5	864.3	1069.5	1076.3	1070.8	1077.6	1080.4	1085.8	1081.7	1076.3	1076.3
45°	595.2	839.9	1017.8	1026.0	1017.8	1028.7	1032.8	1032.8	1020.5	1017.8	1016.5
47.5°	577.5	790.9	966.2	966.2	962.2	975.7	982.5	973.0	960.8	956.7	956.7
50°	576.2	736.5	895.5	890.1	909.2	925.5	918.6	909.2	899.6	884.7	884.7
52.5°	523.2	669.9	804.5	824.8	854.8	864.3	853.4	843.9	827.6	820.8	815.4
55°	485.2	600.6	721.6	762.4	793.6	805.8	785.5	775.9	751.5	747.4	744.7
57.5°	477.0	500.1	645.5	697.2	735.1	733.9	721.6	703.9	683.5	679.5	678.1
60°	437.6	361.5	563.9	625.1	664.5	660.5	649.5	633.2	614.2	611.5	608.8
62.5°	396.8	262.3	471.5	540.8	596.5	595.2	585.7	561.2	547.6	540.8	535.4
65°	337.0	220.2	335.7	449.8	530.0	532.7	512.3	494.6	479.7	471.5	470.2
67.5°	256.8	179.4	226.9	375.1	466.1	463.4	437.6	429.4	410.4	406.3	398.2
70°	190.2	119.6	157.6	304.4	403.6	396.8	376.4	366.9	349.2	339.7	334.3
72.5°	157.6	96.5	115.5	236.5	339.7	331.6	313.9	303.1	288.1	279.9	274.5
75°	127.8	101.9	88.3	175.3	275.8	270.5	254.1	243.2	231.0	220.2	221.5
77.5°	93.8	95.2	70.7	129.1	218.8	210.6	201.2	187.5	182.1	171.2	171.2
80°	70.7	74.8	53.0	88.3	157.6	157.6	149.5	140.0	130.5	125.0	125.0
82.5°	47.5	47.5	39.4	55.7	107.4	103.3	97.8	95.2	89.7	87.0	87.0
85°	21.8	27.1	24.5	34.0	58.5	61.2	61.2	58.5	57.1	54.4	55.7
87.5°	6.8	12.2	14.9	19.0	29.9	31.2	32.6	32.6	32.6	34.0	34.0
90°	3.4	6.0	8.7	9.3	14.7	21.8	25.4	22.6	16.9	12.7	12.7
92.5°	13.3	36.1	58.8	64.5	90.7	125.5	142.9	125.3	89.9	63.4	60.9
95°	32.0	73.6	115.2	125.6	223.0	352.8	417.8	372.8	282.9	215.4	207.8
97.5°	55.4	92.1	128.8	138.0	300.4	517.0	625.2	596.8	539.9	497.3	482.8
100°	73.5	106.7	140.0	148.3	328.6	568.9	689.1	691.1	695.2	698.4	681.0
102.5°	88.8	119.9	150.9	158.7	341.5	585.2	707.1	743.3	815.8	870.1	855.2
105°	114.9	141.2	167.4	174.0	351.1	587.1	705.1	786.3	948.7	1070.5	1062.5
107.5°	141.6	166.1	190.6	196.7	352.8	560.9	665.0	778.3	1004.8	1174.7	1176.6
110°	159.6	181.8	203.9	209.4	350.1	537.8	631.6	758.2	1011.5	1201.4	1209.7



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	177.4	198.4	219.5	224.8	350.3	517.5	601.2	730.8	989.9	1184.3	1197.1
115°	204.0	223.5	242.9	247.8	353.5	494.4	564.8	689.7	939.3	1126.6	1144.3
117.5°	230.5	248.1	265.8	270.2	360.1	479.9	539.8	652.4	877.8	1046.8	1066.4
120°	245.8	262.4	279.0	283.2	365.4	475.0	529.7	632.7	838.6	993.0	1012.1
122.5°	260.9	277.7	294.5	298.6	373.1	472.4	522.0	614.7	800.1	939.2	958.0
125°	283.9	299.2	314.5	318.3	383.4	470.2	513.7	592.5	749.9	868.0	885.4
127.5°	302.6	318.0	333.5	337.3	393.8	469.0	506.7	574.3	709.5	810.9	825.6
130°	312.6	329.2	345.9	350.0	401.3	469.8	504.0	564.3	684.6	774.9	788.4
132.5°	323.0	339.6	356.2	360.4	407.4	470.2	501.6	555.5	663.3	744.1	756.3
135°	338.4	353.5	368.7	372.4	414.2	469.8	497.7	542.8	633.0	700.7	711.1
137.5°	354.0	369.1	384.0	387.8	424.1	472.7	497.0	535.1	611.4	668.7	677.2
140°	367.1	380.9	394.7	398.1	430.3	473.2	494.6	527.6	593.5	643.0	650.9
142.5°	377.1	389.9	402.6	405.8	435.5	474.9	494.6	523.6	581.5	624.9	631.8
145°	392.4	403.6	414.7	417.5	442.1	475.0	491.4	515.0	562.3	597.8	603.1
147.5°	407.8	418.7	429.4	432.2	451.9	478.2	491.4	510.0	547.2	575.2	579.5
150°	417.8	427.6	437.4	439.9	457.1	480.0	491.4	507.1	538.5	562.1	565.6
152.5°	428.2	435.5	443.0	444.9	460.4	481.0	491.4	504.8	531.6	551.7	554.4
155°	443.6	449.0	454.6	455.9	467.7	483.5	491.4	502.0	523.4	539.4	541.1
157.5°	454.9	460.3	465.6	466.9	475.1	485.9	491.4	499.6	516.2	528.7	529.9
160°	462.6	466.8	470.9	471.9	478.4	487.0	491.4	498.5	512.7	523.4	524.1
162.5°	470.2	473.4	476.5	477.3	482.0	488.2	491.4	497.4	509.3	518.3	519.0
165°	478.6	481.4	484.2	484.9	487.1	489.9	491.4	495.7	504.3	510.7	511.4
167.5°	486.3	487.7	489.0	489.3	491.1	493.4	494.6	497.5	503.1	507.3	507.7
170°	491.4	492.6	494.0	494.3	494.4	494.6	494.6	497.5	503.1	507.3	507.3
172.5°	494.0	494.3	494.6	494.6	494.6	494.6	494.6	496.9	501.3	504.7	504.4
175°	497.7	497.7	497.7	497.7	496.7	495.3	494.6	496.1	498.9	501.0	501.0
177.5°	497.7	497.7	497.7	497.7	496.9	495.9	495.3	496.4	498.7	500.3	500.0
180°	497.7	497.7	497.7	497.7	497.7	497.7	497.7	497.7	497.7	497.7	497.7



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1436.4	1436.4	1436.4	1436.4	1436.4	1436.4	1436.4	1436.4	1436.4	1436.4	1436.4
2.5°	1473.1	1469.0	1473.1	1470.4	1471.7	1467.6	1455.4	1451.3	1455.4	1459.5	1459.5
5°	1490.8	1488.0	1490.8	1490.8	1489.4	1486.7	1473.1	1470.4	1473.1	1474.5	1471.7
7.5°	1496.1	1492.1	1496.1	1493.5	1493.5	1490.8	1477.2	1474.5	1475.8	1479.8	1475.8
10°	1496.1	1492.1	1496.1	1494.9	1493.5	1490.8	1477.2	1471.7	1471.7	1475.8	1471.7
12.5°	1489.4	1486.7	1489.4	1486.7	1486.7	1483.9	1470.4	1464.9	1466.3	1467.6	1462.2
15°	1478.5	1474.5	1478.5	1475.8	1477.2	1473.1	1458.2	1452.7	1452.7	1455.4	1445.9
17.5°	1462.2	1456.8	1462.2	1460.8	1459.5	1456.8	1443.2	1437.8	1436.4	1437.8	1430.9
20°	1443.2	1439.1	1443.2	1441.9	1441.9	1436.4	1422.8	1416.0	1416.0	1416.0	1409.2
22.5°	1413.3	1409.2	1413.3	1416.0	1416.0	1414.6	1402.4	1392.9	1390.2	1390.2	1382.0
25°	1379.3	1375.2	1379.3	1379.3	1377.9	1379.3	1375.2	1369.8	1365.7	1361.6	1353.5
27.5°	1346.7	1344.0	1346.7	1344.0	1346.7	1342.6	1341.3	1339.9	1334.5	1330.4	1319.5
30°	1314.1	1311.4	1314.1	1311.4	1308.6	1305.9	1299.2	1296.4	1301.8	1299.2	1281.5
32.5°	1273.3	1270.6	1273.3	1273.3	1270.6	1270.6	1259.7	1255.7	1257.0	1265.2	1248.8
35°	1231.2	1227.1	1231.2	1229.9	1231.2	1227.1	1220.3	1219.0	1213.5	1223.0	1210.8
37.5°	1182.3	1178.2	1182.3	1182.3	1182.3	1185.0	1179.5	1175.5	1167.3	1179.5	1170.1
40°	1132.0	1126.5	1132.0	1130.6	1132.0	1134.7	1132.0	1129.3	1121.1	1130.6	1122.5
42.5°	1074.9	1073.5	1074.9	1076.3	1076.3	1081.7	1085.8	1080.4	1077.6	1070.8	1076.3
45°	1013.8	1011.1	1013.8	1016.5	1017.8	1020.5	1032.8	1032.8	1028.7	1017.8	1026.0
47.5°	948.5	941.8	948.5	956.7	956.7	960.8	973.0	982.5	975.7	962.2	966.2
50°	879.2	880.6	879.2	884.7	884.7	899.6	909.2	918.6	925.5	909.2	890.1
52.5°	811.3	809.9	811.3	815.4	820.8	827.6	843.9	853.4	864.3	854.8	824.8
55°	743.3	746.1	743.3	744.7	747.4	751.5	775.9	785.5	805.8	793.6	762.4
57.5°	675.4	671.3	675.4	678.1	679.5	683.5	703.9	721.6	733.9	735.1	697.2
60°	596.5	591.2	596.5	608.8	611.5	614.2	633.2	649.5	660.5	664.5	625.1
62.5°	527.2	517.8	527.2	535.4	540.8	547.6	561.2	585.7	595.2	596.5	540.8
65°	453.9	449.8	453.9	470.2	471.5	479.7	494.6	512.3	532.7	530.0	449.8
67.5°	387.3	387.3	387.3	398.2	406.3	410.4	429.4	437.6	463.4	466.1	375.1
70°	326.2	324.8	326.2	334.3	339.7	349.2	366.9	376.4	396.8	403.6	304.4
72.5°	267.7	266.4	267.7	274.5	279.9	288.1	303.1	313.9	331.6	339.7	236.5
75°	216.1	213.4	216.1	221.5	220.2	231.0	243.2	254.1	270.5	275.8	175.3
77.5°	165.8	165.8	165.8	171.2	171.2	182.1	187.5	201.2	210.6	218.8	129.1
80°	123.7	122.3	123.7	125.0	125.0	130.5	140.0	149.5	157.6	157.6	88.3
82.5°	87.0	84.2	87.0	87.0	87.0	89.7	95.2	97.8	103.3	107.4	55.7
85°	54.4	54.4	54.4	55.7	54.4	57.1	58.5	61.2	61.2	58.5	34.0
87.5°	35.3	34.0	35.3	34.0	34.0	32.6	32.6	32.6	31.2	29.9	19.0
90°	12.7	12.7	12.7	12.7	12.7	16.9	22.6	25.4	21.8	14.7	9.3
92.5°	50.8	40.7	50.8	60.9	63.4	89.9	125.3	142.9	125.5	90.7	64.5
95°	177.2	146.6	177.2	207.8	215.4	282.9	372.8	417.8	352.8	223.0	125.6
97.5°	424.5	366.4	424.5	482.8	497.3	539.9	596.8	625.2	517.0	300.4	138.0
100°	611.7	542.4	611.7	681.0	698.4	695.2	691.1	689.1	568.9	328.6	148.3
102.5°	795.9	736.5	795.9	855.2	870.1	815.8	743.3	707.1	585.2	341.5	158.7
105°	1030.6	998.7	1030.6	1062.5	1070.5	948.7	786.3	705.1	587.1	351.1	174.0
107.5°	1184.3	1192.1	1184.3	1176.6	1174.7	1004.8	778.3	665.0	560.9	352.8	196.7
110°	1243.0	1276.2	1243.0	1209.7	1201.4	1011.5	758.2	631.6	537.8	350.1	209.4



TEST NUMBER: P935350

CATALOG NUMBER: SQ4-FA-100U-125D-930-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	1248.2	1299.3	1248.2	1197.1	1184.3	989.9	730.8	601.2	517.5	350.3	224.8
115°	1215.1	1285.9	1215.1	1144.3	1126.6	939.3	689.7	564.8	494.4	353.5	247.8
117.5°	1144.9	1223.5	1144.9	1066.4	1046.8	877.8	652.4	539.8	479.9	360.1	270.2
120°	1088.4	1164.7	1088.4	1012.1	993.0	838.6	632.7	529.7	475.0	365.4	283.2
122.5°	1033.3	1108.5	1033.3	958.0	939.2	800.1	614.7	522.0	472.4	373.1	298.6
125°	954.7	1024.1	954.7	885.4	868.0	749.9	592.5	513.7	470.2	383.4	318.3
127.5°	884.1	942.6	884.1	825.6	810.9	709.5	574.3	506.7	469.0	393.8	337.3
130°	842.4	896.5	842.4	788.4	774.9	684.6	564.3	504.0	469.8	401.3	350.0
132.5°	804.6	853.0	804.6	756.3	744.1	663.3	555.5	501.6	470.2	407.4	360.4
135°	752.8	794.6	752.8	711.1	700.7	633.0	542.8	497.7	469.8	414.2	372.4
137.5°	711.4	745.5	711.4	677.2	668.7	611.4	535.1	497.0	472.7	424.1	387.8
140°	682.9	714.8	682.9	650.9	643.0	593.5	527.6	494.6	473.2	430.3	398.1
142.5°	659.3	686.7	659.3	631.8	624.9	581.5	523.6	494.6	474.9	435.5	405.8
145°	623.9	644.6	623.9	603.1	597.8	562.3	515.0	491.4	475.0	442.1	417.5
147.5°	596.7	613.9	596.7	579.5	575.2	547.2	510.0	491.4	478.2	451.9	432.2
150°	579.5	593.5	579.5	565.6	562.1	538.5	507.1	491.4	480.0	457.1	439.9
152.5°	564.9	575.5	564.9	554.4	551.7	531.6	504.8	491.4	481.0	460.4	444.9
155°	548.1	555.1	548.1	541.1	539.4	523.4	502.0	491.4	483.5	467.7	455.9
157.5°	534.9	539.8	534.9	529.9	528.7	516.2	499.6	491.4	485.9	475.1	466.9
160°	526.9	529.7	526.9	524.1	523.4	512.7	498.5	491.4	487.0	478.4	471.9
162.5°	521.7	524.4	521.7	519.0	518.3	509.3	497.4	491.4	488.2	482.0	477.3
165°	514.2	517.1	514.2	511.4	510.7	504.3	495.7	491.4	489.9	487.1	484.9
167.5°	508.8	510.0	508.8	507.7	507.3	503.1	497.5	494.6	493.4	491.1	489.3
170°	507.3	507.3	507.3	507.3	507.3	503.1	497.5	494.6	494.6	494.4	494.3
172.5°	503.4	502.4	503.4	504.4	504.7	501.3	496.9	494.6	494.6	494.6	494.6
175°	501.0	501.0	501.0	501.0	501.0	498.9	496.1	494.6	495.3	496.7	497.7
177.5°	498.9	497.7	498.9	500.0	500.3	498.7	496.4	495.3	495.9	496.9	497.7
180°	497.7	497.7	497.7	497.7	497.7	497.7	497.7	497.7	497.7	497.7	497.7



TEST NUMBER: P935350
 CATALOG NUMBER: SQ4-FA-100U-125D-930-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1436.4	1436.4	1436.4	1436.4	1436.4	1436.4	1436.4	1436.4	1436.4	1436.4	1436.4
2.5°	1456.8	1448.6	1448.6	1435.0	1429.6	1425.5	1418.7	1398.3	1392.9	1387.5	1395.6
5°	1469.0	1454.1	1443.2	1418.7	1398.3	1390.2	1364.4	1315.5	1282.9	1258.4	1244.8
7.5°	1471.7	1452.7	1432.3	1394.2	1345.3	1323.6	1244.8	1155.1	1130.6	1108.9	1095.3
10°	1469.0	1447.2	1418.7	1361.6	1246.2	1208.1	1129.3	1070.8	1055.9	1051.8	1055.9
12.5°	1459.5	1439.1	1399.7	1304.6	1142.8	1117.1	1070.8	1036.8	1034.2	1040.9	1077.6
15°	1443.2	1424.2	1377.9	1228.5	1085.8	1066.8	1034.2	1021.9	1036.8	1084.5	1194.5
17.5°	1426.9	1405.2	1348.1	1153.8	1042.3	1028.7	1005.6	1030.1	1114.3	1178.2	1214.9
20°	1405.2	1379.3	1314.1	1099.4	1011.1	998.9	987.9	1098.0	1161.9	1185.0	1205.4
22.5°	1379.3	1352.2	1267.9	1061.3	978.5	968.9	975.7	1136.1	1161.9	1178.2	1195.8
25°	1345.3	1322.2	1213.5	1031.5	952.6	941.8	967.5	1132.0	1146.9	1151.0	1186.4
27.5°	1314.1	1284.2	1156.5	1004.2	921.4	917.3	974.4	1114.3	1125.2	1129.3	1167.3
30°	1276.0	1231.2	1092.6	975.7	888.8	887.4	975.7	1092.6	1089.8	1100.8	1138.8
32.5°	1236.6	1152.4	1020.5	940.4	857.5	856.2	966.2	1060.0	1057.2	1072.2	1100.8
35°	1199.9	1091.2	922.7	899.6	818.1	819.5	943.1	1021.9	1023.3	1036.8	1054.5
37.5°	1161.9	1038.2	815.4	854.8	780.0	780.0	911.8	986.6	983.8	987.9	1012.4
40°	1117.1	955.3	720.2	796.3	744.7	740.6	873.8	948.5	939.0	937.7	971.6
42.5°	1069.5	864.3	649.5	718.8	703.9	698.5	827.6	902.3	884.7	888.8	932.2
45°	1017.8	839.9	595.2	607.5	661.8	657.7	777.3	849.3	837.1	848.0	892.9
47.5°	966.2	790.9	577.5	504.2	616.9	615.6	721.6	797.7	790.9	801.8	849.3
50°	895.5	736.5	576.2	432.2	566.7	572.1	655.0	747.4	747.4	756.9	807.2
52.5°	804.5	669.9	523.2	391.4	508.2	524.5	596.5	703.9	706.6	716.2	761.0
55°	721.6	600.6	485.2	360.1	438.9	474.3	539.5	659.1	664.5	674.0	714.8
57.5°	645.5	500.1	477.0	323.4	375.1	409.0	489.2	615.6	618.3	626.5	665.8
60°	563.9	361.5	437.6	284.0	319.4	345.1	443.0	563.9	573.5	578.9	612.8
62.5°	471.5	262.3	396.8	256.8	292.1	297.6	405.0	515.0	527.2	531.3	551.7
65°	335.7	220.2	337.0	233.8	263.6	265.0	364.2	464.8	475.6	482.4	497.4
67.5°	226.9	179.4	256.8	212.0	241.9	243.2	324.8	406.3	421.3	426.7	436.2
70°	157.6	119.6	190.2	188.9	217.5	220.2	282.7	353.3	366.9	371.0	376.4
72.5°	115.5	96.5	157.6	169.8	191.6	194.3	239.1	293.5	307.1	311.2	313.9
75°	88.3	101.9	127.8	148.2	163.1	164.5	195.7	239.1	248.7	251.4	252.8
77.5°	70.7	95.2	93.8	119.6	133.1	130.5	153.5	184.9	193.0	193.0	193.0
80°	53.0	74.8	70.7	85.6	97.8	95.2	110.1	131.9	134.5	137.2	135.9
82.5°	39.4	47.5	47.5	54.4	65.2	62.5	73.4	85.6	85.6	85.6	88.3
85°	24.5	27.1	21.8	28.5	36.7	35.3	40.8	46.2	47.5	47.5	44.8
87.5°	14.9	12.2	6.8	10.8	16.3	16.3	19.0	20.4	19.0	19.0	19.0
90°	8.7	6.0	3.4	6.0	8.7	9.3	14.7	21.8	25.4	22.6	16.9
92.5°	58.8	36.1	13.3	36.1	58.8	64.5	90.7	125.5	142.9	125.3	89.9
95°	115.2	73.6	32.0	73.6	115.2	125.6	223.0	352.8	417.8	372.8	282.9
97.5°	128.8	92.1	55.4	92.1	128.8	138.0	300.4	517.0	625.2	596.8	539.9
100°	140.0	106.7	73.5	106.7	140.0	148.3	328.6	568.9	689.1	691.1	695.2
102.5°	150.9	119.9	88.8	119.9	150.9	158.7	341.5	585.2	707.1	743.3	815.8
105°	167.4	141.2	114.9	141.2	167.4	174.0	351.1	587.1	705.1	786.3	948.7
107.5°	190.6	166.1	141.6	166.1	190.6	196.7	352.8	560.9	665.0	778.3	1004.8
110°	203.9	181.8	159.6	181.8	203.9	209.4	350.1	537.8	631.6	758.2	1011.5



TEST NUMBER: P935350

CATALOG NUMBER: SQ4-FA-100U-125D-930-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	219.5	198.4	177.4	198.4	219.5	224.8	350.3	517.5	601.2	730.8	989.9
115°	242.9	223.5	204.0	223.5	242.9	247.8	353.5	494.4	564.8	689.7	939.3
117.5°	265.8	248.1	230.5	248.1	265.8	270.2	360.1	479.9	539.8	652.4	877.8
120°	279.0	262.4	245.8	262.4	279.0	283.2	365.4	475.0	529.7	632.7	838.6
122.5°	294.5	277.7	260.9	277.7	294.5	298.6	373.1	472.4	522.0	614.7	800.1
125°	314.5	299.2	283.9	299.2	314.5	318.3	383.4	470.2	513.7	592.5	749.9
127.5°	333.5	318.0	302.6	318.0	333.5	337.3	393.8	469.0	506.7	574.3	709.5
130°	345.9	329.2	312.6	329.2	345.9	350.0	401.3	469.8	504.0	564.3	684.6
132.5°	356.2	339.6	323.0	339.6	356.2	360.4	407.4	470.2	501.6	555.5	663.3
135°	368.7	353.5	338.4	353.5	368.7	372.4	414.2	469.8	497.7	542.8	633.0
137.5°	384.0	369.1	354.0	369.1	384.0	387.8	424.1	472.7	497.0	535.1	611.4
140°	394.7	380.9	367.1	380.9	394.7	398.1	430.3	473.2	494.6	527.6	593.5
142.5°	402.6	389.9	377.1	389.9	402.6	405.8	435.5	474.9	494.6	523.6	581.5
145°	414.7	403.6	392.4	403.6	414.7	417.5	442.1	475.0	491.4	515.0	562.3
147.5°	429.4	418.7	407.8	418.7	429.4	432.2	451.9	478.2	491.4	510.0	547.2
150°	437.4	427.6	417.8	427.6	437.4	439.9	457.1	480.0	491.4	507.1	538.5
152.5°	443.0	435.5	428.2	435.5	443.0	444.9	460.4	481.0	491.4	504.8	531.6
155°	454.6	449.0	443.6	449.0	454.6	455.9	467.7	483.5	491.4	502.0	523.4
157.5°	465.6	460.3	454.9	460.3	465.6	466.9	475.1	485.9	491.4	499.6	516.2
160°	470.9	466.8	462.6	466.8	470.9	471.9	478.4	487.0	491.4	498.5	512.7
162.5°	476.5	473.4	470.2	473.4	476.5	477.3	482.0	488.2	491.4	497.4	509.3
165°	484.2	481.4	478.6	481.4	484.2	484.9	487.1	489.9	491.4	495.7	504.3
167.5°	489.0	487.7	486.3	487.7	489.0	489.3	491.1	493.4	494.6	497.5	503.1
170°	494.0	492.6	491.4	492.6	494.0	494.3	494.4	494.6	494.6	497.5	503.1
172.5°	494.6	494.3	494.0	494.3	494.6	494.6	494.6	494.6	494.6	496.9	501.3
175°	497.7	497.7	497.7	497.7	497.7	497.7	496.7	495.3	494.6	496.1	498.9
177.5°	497.7	497.7	497.7	497.7	497.7	497.7	496.9	495.9	495.3	496.4	498.7
180°	497.7	497.7	497.7	497.7	497.7	497.7	497.7	497.7	497.7	497.7	497.7



TEST NUMBER: P935350
 CATALOG NUMBER: SQ4-FA-100U-125D-930-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1436.4	1436.4	1436.4	1436.4	1436.4	1436.4	1436.4	1436.4	1436.4	1436.4	1436.4
2.5°	1386.1	1382.0	1387.5	1372.5	1387.5	1382.0	1386.1	1395.6	1387.5	1392.9	1398.3
5°	1216.2	1209.5	1187.7	1170.1	1187.7	1209.5	1216.2	1244.8	1258.4	1282.9	1315.5
7.5°	1087.2	1081.7	1076.3	1065.4	1076.3	1081.7	1087.2	1095.3	1108.9	1130.6	1155.1
10°	1058.6	1060.0	1068.2	1066.8	1068.2	1060.0	1058.6	1055.9	1051.8	1055.9	1070.8
12.5°	1132.0	1144.2	1189.1	1186.4	1189.1	1144.2	1132.0	1077.6	1040.9	1034.2	1036.8
15°	1216.2	1220.3	1229.9	1231.2	1229.9	1220.3	1216.2	1194.5	1084.5	1036.8	1021.9
17.5°	1224.4	1225.8	1232.5	1232.5	1232.5	1225.8	1224.4	1214.9	1178.2	1114.3	1030.1
20°	1217.6	1220.3	1233.9	1236.6	1233.9	1220.3	1217.6	1205.4	1185.0	1161.9	1098.0
22.5°	1214.9	1220.3	1231.2	1229.9	1231.2	1220.3	1214.9	1195.8	1178.2	1161.9	1136.1
25°	1201.3	1201.3	1202.7	1204.0	1202.7	1201.3	1201.3	1186.4	1151.0	1146.9	1132.0
27.5°	1172.8	1175.5	1183.6	1182.3	1183.6	1175.5	1172.8	1167.3	1129.3	1125.2	1114.3
30°	1146.9	1144.2	1137.4	1132.0	1137.4	1144.2	1146.9	1138.8	1100.8	1089.8	1092.6
32.5°	1103.5	1096.7	1089.8	1085.8	1089.8	1096.7	1103.5	1100.8	1072.2	1057.2	1060.0
35°	1051.8	1053.1	1051.8	1047.8	1051.8	1053.1	1051.8	1054.5	1036.8	1023.3	1021.9
37.5°	1015.2	1017.8	1016.5	1011.1	1016.5	1017.8	1015.2	1012.4	987.9	983.8	986.6
40°	977.1	978.5	977.1	973.0	977.1	978.5	977.1	971.6	937.7	939.0	948.5
42.5°	940.4	939.0	934.9	932.2	934.9	939.0	940.4	932.2	888.8	884.7	902.3
45°	898.2	899.6	891.5	887.4	891.5	899.6	898.2	892.9	848.0	837.1	849.3
47.5°	856.2	856.2	849.3	845.2	849.3	856.2	856.2	849.3	801.8	790.9	797.7
50°	811.3	809.9	800.4	799.1	800.4	809.9	811.3	807.2	756.9	747.4	747.4
52.5°	759.6	759.6	761.0	763.7	761.0	759.6	759.6	761.0	716.2	706.6	703.9
55°	714.8	716.2	725.7	728.4	725.7	716.2	714.8	714.8	674.0	664.5	659.1
57.5°	668.6	668.6	675.4	675.4	675.4	668.6	668.6	665.8	626.5	618.3	615.6
60°	615.6	618.3	623.8	622.4	623.8	618.3	615.6	612.8	578.9	573.5	563.9
62.5°	559.9	562.6	563.9	561.2	563.9	562.6	559.9	551.7	531.3	527.2	515.0
65°	501.5	504.2	505.5	502.8	505.5	504.2	501.5	497.4	482.4	475.6	464.8
67.5°	441.6	440.3	438.9	444.4	438.9	440.3	441.6	436.2	426.7	421.3	406.3
70°	380.5	380.5	379.2	381.8	379.2	380.5	380.5	376.4	371.0	366.9	353.3
72.5°	315.3	313.9	319.4	315.3	319.4	313.9	315.3	313.9	311.2	307.1	293.5
75°	251.4	254.1	251.4	255.5	251.4	254.1	251.4	252.8	251.4	248.7	239.1
77.5°	191.6	194.3	191.6	191.6	191.6	194.3	191.6	193.0	193.0	193.0	184.9
80°	135.9	134.5	134.5	133.1	134.5	134.5	135.9	135.9	137.2	134.5	131.9
82.5°	87.0	85.6	85.6	88.3	85.6	85.6	87.0	88.3	85.6	85.6	85.6
85°	47.5	48.9	46.2	46.2	46.2	48.9	47.5	44.8	47.5	47.5	46.2
87.5°	17.7	16.3	16.3	16.3	16.3	16.3	17.7	19.0	19.0	19.0	20.4
90°	12.7	12.7	12.7	12.7	12.7	12.7	12.7	16.9	22.6	25.4	21.8
92.5°	63.4	60.9	50.8	40.7	50.8	60.9	63.4	89.9	125.3	142.9	125.5
95°	215.4	207.8	177.2	146.6	177.2	207.8	215.4	282.9	372.8	417.8	352.8
97.5°	497.3	482.8	424.5	366.4	424.5	482.8	497.3	539.9	596.8	625.2	517.0
100°	698.4	681.0	611.7	542.4	611.7	681.0	698.4	695.2	691.1	689.1	568.9
102.5°	870.1	855.2	795.9	736.5	795.9	855.2	870.1	815.8	743.3	707.1	585.2
105°	1070.5	1062.5	1030.6	998.7	1030.6	1062.5	1070.5	948.7	786.3	705.1	587.1
107.5°	1174.7	1176.6	1184.3	1192.1	1184.3	1176.6	1174.7	1004.8	778.3	665.0	560.9
110°	1201.4	1209.7	1243.0	1276.2	1243.0	1209.7	1201.4	1011.5	758.2	631.6	537.8



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1184.3	1197.1	1248.2	1299.3	1248.2	1197.1	1184.3	989.9	730.8	601.2	517.5
115°	1126.6	1144.3	1215.1	1285.9	1215.1	1144.3	1126.6	939.3	689.7	564.8	494.4
117.5°	1046.8	1066.4	1144.9	1223.5	1144.9	1066.4	1046.8	877.8	652.4	539.8	479.9
120°	993.0	1012.1	1088.4	1164.7	1088.4	1012.1	993.0	838.6	632.7	529.7	475.0
122.5°	939.2	958.0	1033.3	1108.5	1033.3	958.0	939.2	800.1	614.7	522.0	472.4
125°	868.0	885.4	954.7	1024.1	954.7	885.4	868.0	749.9	592.5	513.7	470.2
127.5°	810.9	825.6	884.1	942.6	884.1	825.6	810.9	709.5	574.3	506.7	469.0
130°	774.9	788.4	842.4	896.5	842.4	788.4	774.9	684.6	564.3	504.0	469.8
132.5°	744.1	756.3	804.6	853.0	804.6	756.3	744.1	663.3	555.5	501.6	470.2
135°	700.7	711.1	752.8	794.6	752.8	711.1	700.7	633.0	542.8	497.7	469.8
137.5°	668.7	677.2	711.4	745.5	711.4	677.2	668.7	611.4	535.1	497.0	472.7
140°	643.0	650.9	682.9	714.8	682.9	650.9	643.0	593.5	527.6	494.6	473.2
142.5°	624.9	631.8	659.3	686.7	659.3	631.8	624.9	581.5	523.6	494.6	474.9
145°	597.8	603.1	623.9	644.6	623.9	603.1	597.8	562.3	515.0	491.4	475.0
147.5°	575.2	579.5	596.7	613.9	596.7	579.5	575.2	547.2	510.0	491.4	478.2
150°	562.1	565.6	579.5	593.5	579.5	565.6	562.1	538.5	507.1	491.4	480.0
152.5°	551.7	554.4	564.9	575.5	564.9	554.4	551.7	531.6	504.8	491.4	481.0
155°	539.4	541.1	548.1	555.1	548.1	541.1	539.4	523.4	502.0	491.4	483.5
157.5°	528.7	529.9	534.9	539.8	534.9	529.9	528.7	516.2	499.6	491.4	485.9
160°	523.4	524.1	526.9	529.7	526.9	524.1	523.4	512.7	498.5	491.4	487.0
162.5°	518.3	519.0	521.7	524.4	521.7	519.0	518.3	509.3	497.4	491.4	488.2
165°	510.7	511.4	514.2	517.1	514.2	511.4	510.7	504.3	495.7	491.4	489.9
167.5°	507.3	507.7	508.8	510.0	508.8	507.7	507.3	503.1	497.5	494.6	493.4
170°	507.3	507.3	507.3	507.3	507.3	507.3	507.3	503.1	497.5	494.6	494.6
172.5°	504.7	504.4	503.4	502.4	503.4	504.4	504.7	501.3	496.9	494.6	494.6
175°	501.0	501.0	501.0	501.0	501.0	501.0	501.0	498.9	496.1	494.6	495.3
177.5°	500.3	500.0	498.9	497.7	498.9	500.0	500.3	498.7	496.4	495.3	495.9
180°	497.7	497.7	497.7	497.7	497.7	497.7	497.7	497.7	497.7	497.7	497.7



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1436.4	1436.4	1436.4	1436.4	1436.4
2.5°	1418.7	1425.5	1429.6	1435.0	1448.6
5°	1364.4	1390.2	1398.3	1418.7	1443.2
7.5°	1244.8	1323.6	1345.3	1394.2	1432.3
10°	1129.3	1208.1	1246.2	1361.6	1418.7
12.5°	1070.8	1117.1	1142.8	1304.6	1399.7
15°	1034.2	1066.8	1085.8	1228.5	1377.9
17.5°	1005.6	1028.7	1042.3	1153.8	1348.1
20°	987.9	998.9	1011.1	1099.4	1314.1
22.5°	975.7	968.9	978.5	1061.3	1267.9
25°	967.5	941.8	952.6	1031.5	1213.5
27.5°	974.4	917.3	921.4	1004.2	1156.5
30°	975.7	887.4	888.8	975.7	1092.6
32.5°	966.2	856.2	857.5	940.4	1020.5
35°	943.1	819.5	818.1	899.6	922.7
37.5°	911.8	780.0	780.0	854.8	815.4
40°	873.8	740.6	744.7	796.3	720.2
42.5°	827.6	698.5	703.9	718.8	649.5
45°	777.3	657.7	661.8	607.5	595.2
47.5°	721.6	615.6	616.9	504.2	577.5
50°	655.0	572.1	566.7	432.2	576.2
52.5°	596.5	524.5	508.2	391.4	523.2
55°	539.5	474.3	438.9	360.1	485.2
57.5°	489.2	409.0	375.1	323.4	477.0
60°	443.0	345.1	319.4	284.0	437.6
62.5°	405.0	297.6	292.1	256.8	396.8
65°	364.2	265.0	263.6	233.8	337.0
67.5°	324.8	243.2	241.9	212.0	256.8
70°	282.7	220.2	217.5	188.9	190.2
72.5°	239.1	194.3	191.6	169.8	157.6
75°	195.7	164.5	163.1	148.2	127.8
77.5°	153.5	130.5	133.1	119.6	93.8
80°	110.1	95.2	97.8	85.6	70.7
82.5°	73.4	62.5	65.2	54.4	47.5
85°	40.8	35.3	36.7	28.5	21.8
87.5°	19.0	16.3	16.3	10.8	6.8
90°	14.7	9.3	8.7	6.0	3.4
92.5°	90.7	64.5	58.8	36.1	13.3
95°	223.0	125.6	115.2	73.6	32.0
97.5°	300.4	138.0	128.8	92.1	55.4
100°	328.6	148.3	140.0	106.7	73.5
102.5°	341.5	158.7	150.9	119.9	88.8
105°	351.1	174.0	167.4	141.2	114.9
107.5°	352.8	196.7	190.6	166.1	141.6
110°	350.1	209.4	203.9	181.8	159.6



TEST NUMBER: P935350

CATALOG NUMBER: SQ4-FA-100U-125D-930-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	350.3	224.8	219.5	198.4	177.4
115°	353.5	247.8	242.9	223.5	204.0
117.5°	360.1	270.2	265.8	248.1	230.5
120°	365.4	283.2	279.0	262.4	245.8
122.5°	373.1	298.6	294.5	277.7	260.9
125°	383.4	318.3	314.5	299.2	283.9
127.5°	393.8	337.3	333.5	318.0	302.6
130°	401.3	350.0	345.9	329.2	312.6
132.5°	407.4	360.4	356.2	339.6	323.0
135°	414.2	372.4	368.7	353.5	338.4
137.5°	424.1	387.8	384.0	369.1	354.0
140°	430.3	398.1	394.7	380.9	367.1
142.5°	435.5	405.8	402.6	389.9	377.1
145°	442.1	417.5	414.7	403.6	392.4
147.5°	451.9	432.2	429.4	418.7	407.8
150°	457.1	439.9	437.4	427.6	417.8
152.5°	460.4	444.9	443.0	435.5	428.2
155°	467.7	455.9	454.6	449.0	443.6
157.5°	475.1	466.9	465.6	460.3	454.9
160°	478.4	471.9	470.9	466.8	462.6
162.5°	482.0	477.3	476.5	473.4	470.2
165°	487.1	484.9	484.2	481.4	478.6
167.5°	491.1	489.3	489.0	487.7	486.3
170°	494.4	494.3	494.0	492.6	491.4
172.5°	494.6	494.6	494.6	494.3	494.0
175°	496.7	497.7	497.7	497.7	497.7
177.5°	496.9	497.7	497.7	497.7	497.7
180°	497.7	497.7	497.7	497.7	497.7



TEST NUMBER: P935350
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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	14.12	15.01	15.04	15.96	17.18	16.92	17.81	17.84	18.75	19.97
	3H	14.60	15.40	15.54	16.35	17.60	18.25	19.06	19.19	20.01	21.25
	4H	14.79	15.55	15.74	16.51	17.76	18.69	19.45	19.65	20.41	21.66
	6H	14.91	15.61	15.88	16.57	17.84	18.97	19.67	19.94	20.63	21.90
	8H	14.91	15.58	15.88	16.56	17.82	19.04	19.71	20.01	20.69	21.95
	12H	14.89	15.52	15.86	16.49	17.78	19.08	19.71	20.05	20.69	21.97
4H	2H	15.15	15.91	16.10	16.86	18.11	17.33	18.09	18.29	19.05	20.30
	3H	16.18	16.81	17.14	17.80	19.06	18.83	19.46	19.80	20.45	21.72
	4H	16.45	17.03	17.43	18.01	19.30	19.35	19.93	20.33	20.91	22.20
	6H	16.58	17.08	17.57	18.08	19.37	19.71	20.21	20.70	21.21	22.50
	8H	16.59	17.05	17.58	18.05	19.35	19.81	20.28	20.81	21.28	22.58
	12H	16.56	16.98	17.57	17.99	19.30	19.87	20.29	20.88	21.30	22.61
8H	4H	16.91	17.37	17.90	18.37	19.67	19.48	19.95	20.47	20.94	22.25
	6H	17.17	17.55	18.18	18.59	19.89	19.91	20.29	20.93	21.33	22.64
	8H	17.21	17.55	18.24	18.58	19.90	20.06	20.40	21.08	21.42	22.74
	12H	17.20	17.50	18.23	18.52	19.88	20.15	20.45	21.18	21.47	22.84
12H	4H	16.91	17.33	17.92	18.35	19.65	19.45	19.87	20.46	20.88	22.19
	6H	17.23	17.57	18.25	18.59	19.91	19.91	20.25	20.93	21.27	22.59
	8H	17.30	17.59	18.32	18.62	19.98	20.07	20.36	21.09	21.39	22.75