

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: P934150

Luminaire Tested: SQ4-FA-025U-125D-930-1D-UNV-STD-W-4

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934150
REPORT IS A COMBINATION OF REPORTS P933686 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-025U-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

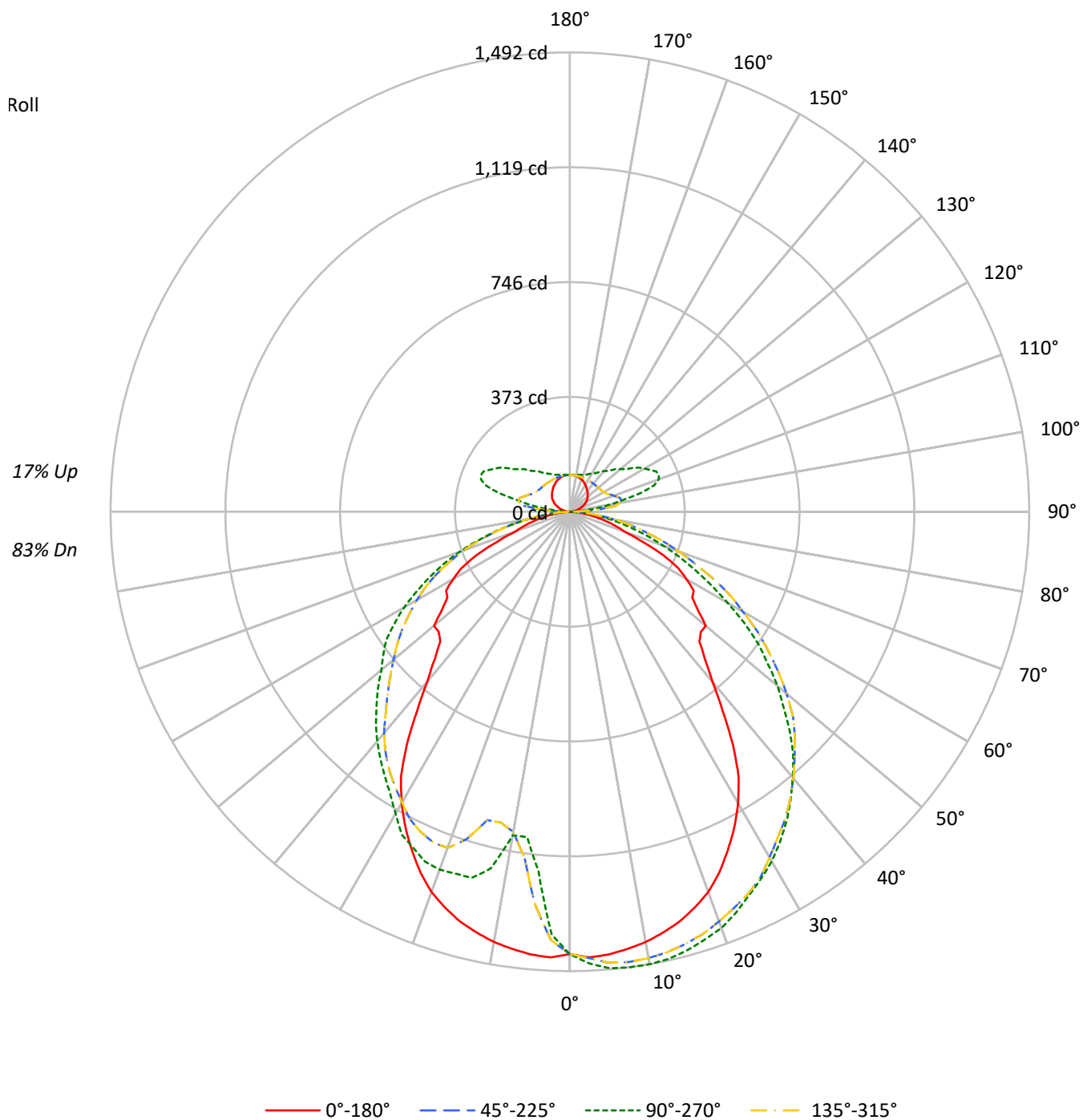
Lumens per Lamp: N/A
Luminaire Lumens: 4501.6 lumens
Efficiency: N/A
Efficacy: 90.8 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 4' x H: 0.1')
CIE Type: Semi-Direct

Input Watts (W): 49.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot



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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
RCR																				
0	115	115	115	115	110	110	110	110	102	102	102	94	94	94	86	86	86	86	86	83
1	105	101	97	93	101	97	93	90	89	87	84	83	80	78	76	75	73	73	73	70
2	96	88	82	76	92	85	79	74	78	74	70	73	69	66	67	64	62	62	62	59
3	88	78	70	64	84	75	68	62	69	63	59	64	60	56	60	56	52	52	52	50
4	80	69	60	54	77	66	59	53	62	55	50	57	52	48	53	49	45	45	45	43
5	74	61	53	46	70	59	51	45	55	49	43	52	46	41	48	43	39	39	39	37
6	68	55	47	40	65	53	45	40	50	43	38	47	41	36	44	39	35	35	35	32
7	63	50	42	36	60	48	41	35	45	39	34	42	37	32	40	35	31	31	31	29
8	59	46	37	32	56	44	36	31	41	35	30	39	33	29	37	31	28	28	28	26
9	55	42	34	28	52	40	33	28	38	32	27	36	30	26	34	29	25	25	25	23
10	51	38	31	26	49	37	30	25	35	29	24	33	28	24	31	26	23	23	23	21

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	2.9
10°-20°	368.1	8.2
20°-30°	569.1	12.6
30°-40°	679.4	15.1
40°-50°	683.3	15.2
50°-60°	594.6	13.2
60°-70°	421.6	9.4
70°-80°	223.0	5.0
80°-90°	56.0	1.2
90°-100°	58.4	1.3
100°-110°	153.6	3.4
110°-120°	159.2	3.5
120°-130°	127.7	2.8
130°-140°	100.2	2.2
140°-150°	76.9	1.7
150°-160°	55.4	1.2
160°-170°	33.9	0.8
170°-180°	11.4	0.3
0°-30°	1066.9	23.7
0°-40°	1746.2	38.8
0°-60°	3024.2	67.2
0°-90°	3724.8	82.7
90°-120°	371.2	8.2
90°-150°	676.1	15.0
90°-180°	777.0	17.3
0°-180°	4501.6	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°	1	3	1	3	1	2
95°	8	35	8	35	8	9
105°	28	240	28	240	28	29
115°	49	310	49	310	49	49
125°	68	247	68	247	68	61
135°	82	191	82	191	82	63
145°	94	155	94	155	94	59
155°	107	134	107	134	107	49
165°	115	124	115	124	115	33
175°	120	121	120	121	120	11
180°	120	120	120	120	120	

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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°	0.8	1.4	2.1	2.2	3.5	5.2	6.1	5.5	4.1	3.1	3.1
92.5°	3.2	8.7	14.1	15.5	21.8	30.3	34.4	30.2	21.7	15.3	14.6
95°	7.7	17.7	27.8	30.3	53.7	85.0	100.6	89.8	68.1	51.9	50.0
97.5°	13.3	22.2	31.0	33.2	72.4	124.5	150.6	143.7	130.0	119.7	116.2
100°	17.7	25.7	33.7	35.7	79.1	137.0	165.9	166.4	167.4	168.1	164.0
102.5°	21.4	28.8	36.4	38.2	82.2	140.9	170.2	179.0	196.4	209.5	205.9
105°	27.7	34.0	40.3	41.9	84.6	141.3	169.8	189.3	228.5	257.8	255.8
107.5°	34.1	40.0	45.9	47.4	85.0	135.1	160.1	187.4	241.9	282.9	283.4
110°	38.5	43.8	49.1	50.4	84.3	129.5	152.1	182.6	243.5	289.3	291.3

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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	42.7	47.8	52.8	54.1	84.3	124.6	144.8	176.0	238.4	285.2	288.3
115°	49.1	53.8	58.5	59.7	85.1	119.1	136.0	166.1	226.2	271.3	275.5
117.5°	55.5	59.7	64.0	65.0	86.7	115.6	130.0	157.1	211.3	252.1	256.8
120°	59.2	63.2	67.2	68.2	87.9	114.3	127.5	152.3	202.0	239.1	243.7
122.5°	62.8	66.8	70.8	71.9	89.8	113.7	125.7	148.0	192.6	226.1	230.6
125°	68.3	72.0	75.7	76.7	92.3	113.2	123.7	142.6	180.6	209.0	213.2
127.5°	72.8	76.6	80.3	81.3	94.8	112.9	122.0	138.3	170.9	195.3	198.8
130°	75.2	79.3	83.3	84.3	96.7	113.1	121.3	135.9	164.9	186.6	189.8
132.5°	77.8	81.8	85.8	86.8	98.1	113.2	120.8	133.8	159.7	179.2	182.1
135°	81.5	85.1	88.8	89.7	99.7	113.1	119.8	130.6	152.4	168.7	171.2
137.5°	85.3	88.9	92.5	93.4	102.1	113.8	119.6	128.8	147.2	161.0	163.1
140°	88.4	91.7	95.1	95.9	103.6	113.9	119.1	127.0	142.9	154.8	156.7
142.5°	90.8	93.9	96.9	97.7	104.9	114.3	119.1	126.1	140.0	150.5	152.2
145°	94.5	97.2	99.9	100.5	106.5	114.3	118.3	124.0	135.4	144.0	145.3
147.5°	98.2	100.8	103.4	104.1	108.8	115.2	118.3	122.8	131.8	138.5	139.6
150°	100.6	102.9	105.4	105.9	110.0	115.6	118.3	122.1	129.7	135.4	136.2
152.5°	103.1	104.9	106.6	107.1	110.8	115.8	118.3	121.5	128.0	132.9	133.5
155°	106.8	108.1	109.4	109.8	112.6	116.4	118.3	120.9	126.1	129.9	130.3
157.5°	109.5	110.8	112.1	112.4	114.3	117.0	118.3	120.3	124.3	127.3	127.6
160°	111.4	112.3	113.4	113.6	115.2	117.2	118.3	120.0	123.4	126.0	126.2
162.5°	113.2	113.9	114.7	114.9	116.0	117.6	118.3	119.7	122.6	124.8	124.9
165°	115.2	115.9	116.6	116.8	117.2	118.0	118.3	119.3	121.4	122.9	123.1
167.5°	117.1	117.4	117.7	117.8	118.2	118.8	119.1	119.7	121.1	122.1	122.2
170°	118.3	118.6	118.9	119.0	119.0	119.1	119.1	119.7	121.1	122.1	122.1
172.5°	118.9	119.0	119.1	119.1	119.1	119.1	119.1	119.6	120.7	121.5	121.4
175°	119.8	119.8	119.8	119.8	119.6	119.2	119.1	119.4	120.1	120.6	120.6
177.5°	119.8	119.8	119.8	119.8	119.6	119.4	119.2	119.5	120.0	120.4	120.4
180°	119.8	119.8	119.8	119.8	119.8	119.8	119.8	119.8	119.8	119.8	119.8

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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°	3.1	3.1	3.1	3.1	3.1	4.1	5.5	6.1	5.2	3.5	2.2
92.5°	12.2	9.8	12.2	14.6	15.3	21.7	30.2	34.4	30.3	21.8	15.5
95°	42.7	35.3	42.7	50.0	51.9	68.1	89.8	100.6	85.0	53.7	30.3
97.5°	102.2	88.2	102.2	116.2	119.7	130.0	143.7	150.6	124.5	72.4	33.2
100°	147.4	130.6	147.4	164.0	168.1	167.4	166.4	165.9	137.0	79.1	35.7
102.5°	191.6	177.3	191.6	205.9	209.5	196.4	179.0	170.2	140.9	82.2	38.2
105°	248.2	240.5	248.2	255.8	257.8	228.5	189.3	169.8	141.3	84.6	41.9
107.5°	285.2	287.1	285.2	283.4	282.9	241.9	187.4	160.1	135.1	85.0	47.4
110°	299.3	307.3	299.3	291.3	289.3	243.5	182.6	152.1	129.5	84.3	50.4

TEST NUMBER: P934150

CATALOG NUMBER: SQ4-FA-025U-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°	300.6	312.8	300.6	288.3	285.2	238.4	176.0	144.8	124.6	84.3	54.1
115°	292.6	309.6	292.6	275.5	271.3	226.2	166.1	136.0	119.1	85.1	59.7
117.5°	275.7	294.6	275.7	256.8	252.1	211.3	157.1	130.0	115.6	86.7	65.0
120°	262.1	280.4	262.1	243.7	239.1	202.0	152.3	127.5	114.3	87.9	68.2
122.5°	248.8	266.9	248.8	230.6	226.1	192.6	148.0	125.7	113.7	89.8	71.9
125°	229.9	246.6	229.9	213.2	209.0	180.6	142.6	123.7	113.2	92.3	76.7
127.5°	212.9	226.9	212.9	198.8	195.3	170.9	138.3	122.0	112.9	94.8	81.3
130°	202.8	215.8	202.8	189.8	186.6	164.9	135.9	121.3	113.1	96.7	84.3
132.5°	193.8	205.4	193.8	182.1	179.2	159.7	133.8	120.8	113.2	98.1	86.8
135°	181.3	191.4	181.3	171.2	168.7	152.4	130.6	119.8	113.1	99.7	89.7
137.5°	171.3	179.6	171.3	163.1	161.0	147.2	128.8	119.6	113.8	102.1	93.4
140°	164.4	172.1	164.4	156.7	154.8	142.9	127.0	119.1	113.9	103.6	95.9
142.5°	158.8	165.3	158.8	152.2	150.5	140.0	126.1	119.1	114.3	104.9	97.7
145°	150.2	155.2	150.2	145.3	144.0	135.4	124.0	118.3	114.3	106.5	100.5
147.5°	143.7	147.8	143.7	139.6	138.5	131.8	122.8	118.3	115.2	108.8	104.1
150°	139.6	142.9	139.6	136.2	135.4	129.7	122.1	118.3	115.6	110.0	105.9
152.5°	136.0	138.6	136.0	133.5	132.9	128.0	121.5	118.3	115.8	110.8	107.1
155°	132.0	133.7	132.0	130.3	129.9	126.1	120.9	118.3	116.4	112.6	109.8
157.5°	128.8	130.0	128.8	127.6	127.3	124.3	120.3	118.3	117.0	114.3	112.4
160°	126.9	127.5	126.9	126.2	126.0	123.4	120.0	118.3	117.2	115.2	113.6
162.5°	125.6	126.2	125.6	124.9	124.8	122.6	119.7	118.3	117.6	116.0	114.9
165°	123.8	124.5	123.8	123.1	122.9	121.4	119.3	118.3	118.0	117.2	116.8
167.5°	122.5	122.8	122.5	122.2	122.1	121.1	119.7	119.1	118.8	118.2	117.8
170°	122.1	122.1	122.1	122.1	122.1	121.1	119.7	119.1	119.1	119.0	119.0
172.5°	121.2	120.9	121.2	121.4	121.5	120.7	119.6	119.1	119.1	119.1	119.1
175°	120.6	120.6	120.6	120.6	120.6	120.1	119.4	119.1	119.2	119.6	119.8
177.5°	120.1	119.8	120.1	120.4	120.4	120.0	119.5	119.2	119.4	119.6	119.8
180°	119.8	119.8	119.8	119.8	119.8	119.8	119.8	119.8	119.8	119.8	119.8

TEST NUMBER: P934150

CATALOG NUMBER: SQ4-FA-025U-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°	2.1	1.4	0.8	1.4	2.1	2.2	3.5	5.2	6.1	5.5	4.1
92.5°	14.1	8.7	3.2	8.7	14.1	15.5	21.8	30.3	34.4	30.2	21.7
95°	27.8	17.7	7.7	17.7	27.8	30.3	53.7	85.0	100.6	89.8	68.1
97.5°	31.0	22.2	13.3	22.2	31.0	33.2	72.4	124.5	150.6	143.7	130.0
100°	33.7	25.7	17.7	25.7	33.7	35.7	79.1	137.0	165.9	166.4	167.4
102.5°	36.4	28.8	21.4	28.8	36.4	38.2	82.2	140.9	170.2	179.0	196.4
105°	40.3	34.0	27.7	34.0	40.3	41.9	84.6	141.3	169.8	189.3	228.5
107.5°	45.9	40.0	34.1	40.0	45.9	47.4	85.0	135.1	160.1	187.4	241.9
110°	49.1	43.8	38.5	43.8	49.1	50.4	84.3	129.5	152.1	182.6	243.5

TEST NUMBER: P934150

CATALOG NUMBER: SQ4-FA-025U-125D-930-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	52.8	47.8	42.7	47.8	52.8	54.1	84.3	124.6	144.8	176.0	238.4
115°	58.5	53.8	49.1	53.8	58.5	59.7	85.1	119.1	136.0	166.1	226.2
117.5°	64.0	59.7	55.5	59.7	64.0	65.0	86.7	115.6	130.0	157.1	211.3
120°	67.2	63.2	59.2	63.2	67.2	68.2	87.9	114.3	127.5	152.3	202.0
122.5°	70.8	66.8	62.8	66.8	70.8	71.9	89.8	113.7	125.7	148.0	192.6
125°	75.7	72.0	68.3	72.0	75.7	76.7	92.3	113.2	123.7	142.6	180.6
127.5°	80.3	76.6	72.8	76.6	80.3	81.3	94.8	112.9	122.0	138.3	170.9
130°	83.3	79.3	75.2	79.3	83.3	84.3	96.7	113.1	121.3	135.9	164.9
132.5°	85.8	81.8	77.8	81.8	85.8	86.8	98.1	113.2	120.8	133.8	159.7
135°	88.8	85.1	81.5	85.1	88.8	89.7	99.7	113.1	119.8	130.6	152.4
137.5°	92.5	88.9	85.3	88.9	92.5	93.4	102.1	113.8	119.6	128.8	147.2
140°	95.1	91.7	88.4	91.7	95.1	95.9	103.6	113.9	119.1	127.0	142.9
142.5°	96.9	93.9	90.8	93.9	96.9	97.7	104.9	114.3	119.1	126.1	140.0
145°	99.9	97.2	94.5	97.2	99.9	100.5	106.5	114.3	118.3	124.0	135.4
147.5°	103.4	100.8	98.2	100.8	103.4	104.1	108.8	115.2	118.3	122.8	131.8
150°	105.4	102.9	100.6	102.9	105.4	105.9	110.0	115.6	118.3	122.1	129.7
152.5°	106.6	104.9	103.1	104.9	106.6	107.1	110.8	115.8	118.3	121.5	128.0
155°	109.4	108.1	106.8	108.1	109.4	109.8	112.6	116.4	118.3	120.9	126.1
157.5°	112.1	110.8	109.5	110.8	112.1	112.4	114.3	117.0	118.3	120.3	124.3
160°	113.4	112.3	111.4	112.3	113.4	113.6	115.2	117.2	118.3	120.0	123.4
162.5°	114.7	113.9	113.2	113.9	114.7	114.9	116.0	117.6	118.3	119.7	122.6
165°	116.6	115.9	115.2	115.9	116.6	116.8	117.2	118.0	118.3	119.3	121.4
167.5°	117.7	117.4	117.1	117.4	117.7	117.8	118.2	118.8	119.1	119.7	121.1
170°	118.9	118.6	118.3	118.6	118.9	119.0	119.0	119.1	119.1	119.7	121.1
172.5°	119.1	119.0	118.9	119.0	119.1	119.1	119.1	119.1	119.1	119.6	120.7
175°	119.8	119.8	119.8	119.8	119.8	119.8	119.6	119.2	119.1	119.4	120.1
177.5°	119.8	119.8	119.8	119.8	119.8	119.8	119.6	119.4	119.2	119.5	120.0
180°	119.8	119.8	119.8	119.8	119.8	119.8	119.8	119.8	119.8	119.8	119.8

TEST NUMBER: P934150

CATALOG NUMBER: SQ4-FA-025U-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°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	4.1	5.5	6.1	5.2
92.5°	15.3	14.6	12.2	9.8	12.2	14.6	15.3	21.7	30.2	34.4	30.3
95°	51.9	50.0	42.7	35.3	42.7	50.0	51.9	68.1	89.8	100.6	85.0
97.5°	119.7	116.2	102.2	88.2	102.2	116.2	119.7	130.0	143.7	150.6	124.5
100°	168.1	164.0	147.4	130.6	147.4	164.0	168.1	167.4	166.4	165.9	137.0
102.5°	209.5	205.9	191.6	177.3	191.6	205.9	209.5	196.4	179.0	170.2	140.9
105°	257.8	255.8	248.2	240.5	248.2	255.8	257.8	228.5	189.3	169.8	141.3
107.5°	282.9	283.4	285.2	287.1	285.2	283.4	282.9	241.9	187.4	160.1	135.1
110°	289.3	291.3	299.3	307.3	299.3	291.3	289.3	243.5	182.6	152.1	129.5

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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	285.2	288.3	300.6	312.8	300.6	288.3	285.2	238.4	176.0	144.8	124.6
115°	271.3	275.5	292.6	309.6	292.6	275.5	271.3	226.2	166.1	136.0	119.1
117.5°	252.1	256.8	275.7	294.6	275.7	256.8	252.1	211.3	157.1	130.0	115.6
120°	239.1	243.7	262.1	280.4	262.1	243.7	239.1	202.0	152.3	127.5	114.3
122.5°	226.1	230.6	248.8	266.9	248.8	230.6	226.1	192.6	148.0	125.7	113.7
125°	209.0	213.2	229.9	246.6	229.9	213.2	209.0	180.6	142.6	123.7	113.2
127.5°	195.3	198.8	212.9	226.9	212.9	198.8	195.3	170.9	138.3	122.0	112.9
130°	186.6	189.8	202.8	215.8	202.8	189.8	186.6	164.9	135.9	121.3	113.1
132.5°	179.2	182.1	193.8	205.4	193.8	182.1	179.2	159.7	133.8	120.8	113.2
135°	168.7	171.2	181.3	191.4	181.3	171.2	168.7	152.4	130.6	119.8	113.1
137.5°	161.0	163.1	171.3	179.6	171.3	163.1	161.0	147.2	128.8	119.6	113.8
140°	154.8	156.7	164.4	172.1	164.4	156.7	154.8	142.9	127.0	119.1	113.9
142.5°	150.5	152.2	158.8	165.3	158.8	152.2	150.5	140.0	126.1	119.1	114.3
145°	144.0	145.3	150.2	155.2	150.2	145.3	144.0	135.4	124.0	118.3	114.3
147.5°	138.5	139.6	143.7	147.8	143.7	139.6	138.5	131.8	122.8	118.3	115.2
150°	135.4	136.2	139.6	142.9	139.6	136.2	135.4	129.7	122.1	118.3	115.6
152.5°	132.9	133.5	136.0	138.6	136.0	133.5	132.9	128.0	121.5	118.3	115.8
155°	129.9	130.3	132.0	133.7	132.0	130.3	129.9	126.1	120.9	118.3	116.4
157.5°	127.3	127.6	128.8	130.0	128.8	127.6	127.3	124.3	120.3	118.3	117.0
160°	126.0	126.2	126.9	127.5	126.9	126.2	126.0	123.4	120.0	118.3	117.2
162.5°	124.8	124.9	125.6	126.2	125.6	124.9	124.8	122.6	119.7	118.3	117.6
165°	122.9	123.1	123.8	124.5	123.8	123.1	122.9	121.4	119.3	118.3	118.0
167.5°	122.1	122.2	122.5	122.8	122.5	122.2	122.1	121.1	119.7	119.1	118.8
170°	122.1	122.1	122.1	122.1	122.1	122.1	122.1	121.1	119.7	119.1	119.1
172.5°	121.5	121.4	121.2	120.9	121.2	121.4	121.5	120.7	119.6	119.1	119.1
175°	120.6	120.6	120.6	120.6	120.6	120.6	120.6	120.1	119.4	119.1	119.2
177.5°	120.4	120.4	120.1	119.8	120.1	120.4	120.4	120.0	119.5	119.2	119.4
180°	119.8	119.8	119.8	119.8	119.8	119.8	119.8	119.8	119.8	119.8	119.8

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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°	3.5	2.2	2.1	1.4	0.8
92.5°	21.8	15.5	14.1	8.7	3.2
95°	53.7	30.3	27.8	17.7	7.7
97.5°	72.4	33.2	31.0	22.2	13.3
100°	79.1	35.7	33.7	25.7	17.7
102.5°	82.2	38.2	36.4	28.8	21.4
105°	84.6	41.9	40.3	34.0	27.7
107.5°	85.0	47.4	45.9	40.0	34.1
110°	84.3	50.4	49.1	43.8	38.5

TEST NUMBER: P934150

CATALOG NUMBER: SQ4-FA-025U-125D-930-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	84.3	54.1	52.8	47.8	42.7
115°	85.1	59.7	58.5	53.8	49.1
117.5°	86.7	65.0	64.0	59.7	55.5
120°	87.9	68.2	67.2	63.2	59.2
122.5°	89.8	71.9	70.8	66.8	62.8
125°	92.3	76.7	75.7	72.0	68.3
127.5°	94.8	81.3	80.3	76.6	72.8
130°	96.7	84.3	83.3	79.3	75.2
132.5°	98.1	86.8	85.8	81.8	77.8
135°	99.7	89.7	88.8	85.1	81.5
137.5°	102.1	93.4	92.5	88.9	85.3
140°	103.6	95.9	95.1	91.7	88.4
142.5°	104.9	97.7	96.9	93.9	90.8
145°	106.5	100.5	99.9	97.2	94.5
147.5°	108.8	104.1	103.4	100.8	98.2
150°	110.0	105.9	105.4	102.9	100.6
152.5°	110.8	107.1	106.6	104.9	103.1
155°	112.6	109.8	109.4	108.1	106.8
157.5°	114.3	112.4	112.1	110.8	109.5
160°	115.2	113.6	113.4	112.3	111.4
162.5°	116.0	114.9	114.7	113.9	113.2
165°	117.2	116.8	116.6	115.9	115.2
167.5°	118.2	117.8	117.7	117.4	117.1
170°	119.0	119.0	118.9	118.6	118.3
172.5°	119.1	119.1	119.1	119.0	118.9
175°	119.6	119.8	119.8	119.8	119.8
177.5°	119.6	119.8	119.8	119.8	119.8
180°	119.8	119.8	119.8	119.8	119.8

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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	16.40	17.66	17.02	18.29	19.00	19.20	20.46	19.81	21.08	21.80
	3H	16.91	18.04	17.54	18.68	19.42	20.56	21.70	21.19	22.33	23.08
	4H	17.12	18.19	17.77	18.83	19.59	21.02	22.09	21.67	22.74	23.50
	6H	17.26	18.24	17.92	18.90	19.68	21.32	22.30	21.98	22.96	23.74
	8H	17.27	18.21	17.94	18.89	19.67	21.40	22.34	22.07	23.02	23.80
	12H	17.25	18.15	17.93	18.83	19.63	21.45	22.34	22.13	23.02	23.82
4H	2H	17.47	18.54	18.13	19.19	19.95	19.66	20.73	20.31	21.37	22.13
	3H	18.54	19.43	19.20	20.11	20.89	21.19	22.08	21.85	22.77	23.55
	4H	18.83	19.64	19.51	20.33	21.14	21.73	22.53	22.41	23.23	24.04
	6H	18.98	19.68	19.68	20.39	21.22	22.11	22.81	22.81	23.52	24.35
	8H	18.99	19.65	19.70	20.36	21.19	22.22	22.87	22.92	23.59	24.42
	12H	18.98	19.57	19.71	20.31	21.14	22.29	22.88	23.02	23.62	24.45
8H	4H	19.31	19.96	20.02	20.68	21.51	21.88	22.54	22.59	23.25	24.09
	6H	19.59	20.13	20.32	20.89	21.72	22.33	22.87	23.07	23.63	24.46
	8H	19.63	20.12	20.38	20.88	21.73	22.48	22.96	23.23	23.72	24.57
	12H	19.64	20.06	20.39	20.81	21.72	22.59	23.02	23.34	23.77	24.68
12H	4H	19.33	19.92	20.06	20.66	21.50	21.87	22.46	22.59	23.20	24.03
	6H	19.65	20.13	20.40	20.89	21.74	22.33	22.81	23.08	23.57	24.42
	8H	19.74	20.16	20.49	20.91	21.82	22.51	22.93	23.26	23.68	24.59

END OF REPORT