

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: P934751

Luminaire Tested: SQ4-FA-075U-075D-930-1D-UNV-STD-W-6

Issue Date: 12/17/2024

**Test Information**

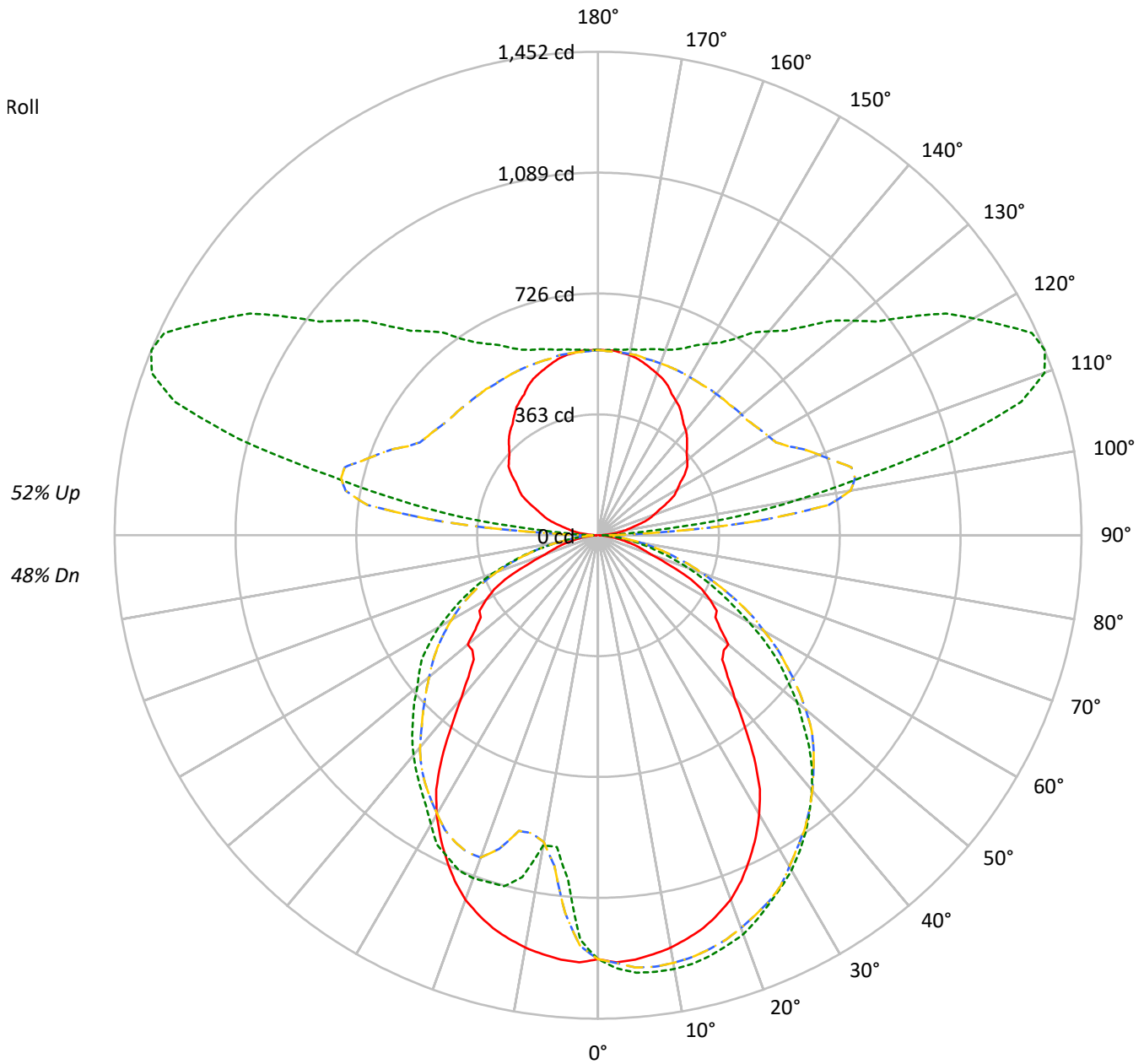
Test Method: LM-79-2019  
Report Number: P934751  
REPORT IS A COMBINATION OF REPORTS P933711 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-075U-075D-930-1D-UNV-STD-W-6  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6909.7 lumens  
Efficiency: N/A  
Efficacy: 108.6 lumens/watt  
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36  
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 6' x H: 0.1')  
CIE Type: General Diffuse  
  
Input Watts (W): 63.6  
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

TEST NUMBER: P934751  
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### Luminous Intensity Polar Plot



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



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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	107	107	107	107	98	98	98	98	82	82	82	68	68	68	54	54	54	48
1	97	93	89	86	89	86	82	79	72	70	68	60	58	56	48	47	46	40
2	89	81	75	70	81	75	70	65	63	59	56	52	50	47	42	40	39	34
3	81	71	64	58	74	66	60	54	56	51	47	46	43	40	37	35	33	29
4	74	63	55	49	68	58	52	46	49	44	40	41	37	34	33	31	28	25
5	68	56	48	42	62	52	45	40	44	39	34	37	33	29	30	27	25	21
6	62	50	42	37	57	47	40	34	40	34	30	33	29	26	27	24	22	19
7	58	45	38	32	53	42	35	30	36	30	26	30	26	23	25	22	19	17
8	54	41	33	28	49	38	31	27	33	27	23	28	23	20	23	20	17	15
9	50	38	30	25	46	35	28	24	30	25	21	25	21	18	21	18	15	13
10	46	34	27	22	43	32	26	21	28	22	19	23	19	16	19	16	14	12

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	7876	7876	7876	7876
5°	7932	7950	7932	6252
10°	7876	7831	7876	5599
15°	7788	7662	7788	6398
20°	7622	7461	7622	6411
25°	7285	7168	7285	6275
30°	6852	6924	6852	5977
35°	6105	6617	6105	5649
40°	5084	6254	5084	5401
45°	4540	5829	4540	5116
50°	4819	5324	4819	4831
55°	4530	4779	4530	4665
60°	4663	4059	4663	4273
65°	4221	3355	4221	3751
70°	2916	2674	2916	3144
75°	2547	1976	2547	2366
80°	2038	1307	2038	1422
85°	1151	692	1151	589

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 6963 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	114.9	1.7
10°-20°	326.3	4.7
20°-30°	504.4	7.3
30°-40°	602.1	8.7
40°-50°	605.7	8.8
50°-60°	527.0	7.6
60°-70°	373.7	5.4
70°-80°	197.7	2.9
80°-90°	51.4	0.7
90°-100°	271.2	3.9
100°-110°	713.0	10.3
110°-120°	739.3	10.7
120°-130°	593.0	8.6
130°-140°	465.3	6.7
140°-150°	357.1	5.2
150°-160°	257.2	3.7
160°-170°	157.4	2.3
170°-180°	53.2	0.8
0°-30°	945.6	13.7
0°-40°	1547.8	22.4
0°-60°	2680.5	38.8
0°-90°	3303.2	47.8
90°-120°	1723.4	24.9
90°-150°	3138.8	45.4
90°-180°	3607.0	52.2
0°-180°	6909.7	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1273	1273	1273	1273	1273	
5°	1279	1319	1279	1037	1279	121
15°	1221	1307	1221	1091	1221	344
25°	1076	1219	1076	1067	1076	494
35°	818	1088	818	929	818	506
45°	528	896	528	786	528	423
55°	430	661	430	646	430	395
65°	299	399	299	446	299	285
75°	113	189	113	226	113	119
85°	19	48	19	41	19	26
90°	4	14	4	14	4	4
95°	36	164	36	164	36	40
105°	128	1116	128	1116	128	136
115°	228	1438	228	1438	228	225
125°	317	1145	317	1145	317	282
135°	378	888	378	888	378	293
145°	439	721	439	721	439	275
155°	496	621	496	621	496	228
165°	535	578	535	578	535	151
175°	556	560	556	560	556	53
180°	556	556	556	556	556	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1273.2	1273.2	1273.2	1273.2	1273.2	1273.2	1273.2	1273.2	1273.2	1273.2	1273.2
2.5°	1284.0	1284.0	1291.2	1293.6	1293.6	1290.0	1286.4	1290.0	1300.9	1304.5	1303.3
5°	1279.2	1288.8	1302.1	1304.5	1306.9	1305.7	1303.3	1305.7	1317.7	1320.1	1321.3
7.5°	1269.5	1287.6	1304.5	1308.1	1311.7	1308.1	1306.9	1309.3	1321.3	1323.7	1323.7
10°	1257.5	1282.8	1302.1	1304.5	1308.1	1304.5	1304.5	1309.3	1321.3	1323.7	1325.0
12.5°	1240.6	1275.6	1293.6	1296.0	1300.9	1299.7	1298.5	1303.3	1315.3	1317.7	1317.7
15°	1221.4	1262.3	1279.2	1281.6	1290.0	1287.6	1287.6	1292.4	1305.7	1309.3	1308.1
17.5°	1194.9	1245.5	1264.7	1268.3	1274.4	1273.2	1274.4	1279.2	1291.2	1293.6	1294.8
20°	1164.8	1222.6	1245.5	1249.1	1255.1	1255.1	1255.1	1261.1	1273.2	1278.0	1278.0
22.5°	1123.8	1198.5	1222.6	1225.0	1232.2	1232.2	1234.6	1243.0	1253.9	1255.1	1255.1
25°	1075.6	1172.0	1192.5	1199.7	1206.9	1210.5	1214.1	1219.0	1222.6	1221.4	1222.6
27.5°	1025.0	1138.3	1164.8	1169.6	1179.2	1182.8	1187.6	1188.8	1190.0	1193.7	1191.3
30°	968.4	1091.3	1131.0	1135.8	1151.5	1153.9	1149.1	1151.5	1157.5	1159.9	1162.3
32.5°	904.6	1021.4	1096.1	1106.9	1121.4	1114.2	1113.0	1116.6	1126.2	1126.2	1128.6
35°	817.9	967.2	1063.6	1073.2	1084.0	1075.6	1080.4	1081.6	1087.7	1091.3	1090.1
37.5°	722.7	920.2	1029.8	1037.1	1045.5	1034.7	1041.9	1045.5	1050.3	1047.9	1047.9
40°	638.4	846.8	990.1	994.9	1002.1	993.7	1000.9	1003.3	1005.8	1003.3	1002.1
42.5°	575.8	766.1	947.9	954.0	949.1	955.2	957.6	962.4	958.8	954.0	954.0
45°	527.6	744.4	902.2	909.4	902.2	911.8	915.4	915.4	904.6	902.2	901.0
47.5°	511.9	701.0	856.4	856.4	852.8	864.8	870.9	862.4	851.6	848.0	848.0
50°	510.7	652.8	793.8	788.9	805.8	820.3	814.2	805.8	797.4	784.1	784.1
52.5°	463.7	593.8	713.1	731.1	757.6	766.1	756.4	748.0	733.5	727.5	722.7
55°	430.0	532.4	639.6	675.7	703.4	714.3	696.2	687.8	666.1	662.5	660.1
57.5°	422.8	443.3	572.1	617.9	651.6	650.4	639.6	623.9	605.9	602.2	601.0
60°	387.8	320.4	499.9	554.1	589.0	585.4	575.8	561.3	544.4	542.0	539.6
62.5°	351.7	232.5	418.0	479.4	528.8	527.6	519.1	497.5	485.4	479.4	474.6
65°	298.7	195.1	297.5	398.7	469.8	472.2	454.1	438.4	425.2	418.0	416.8
67.5°	227.7	159.0	201.2	332.4	413.1	410.7	387.8	380.6	363.8	360.1	352.9
70°	168.6	106.0	139.7	269.8	357.7	351.7	333.6	325.2	309.6	301.1	296.3
72.5°	139.7	85.5	102.4	209.6	301.1	293.9	278.2	268.6	255.4	248.1	243.3
75°	113.2	90.3	78.3	155.4	244.5	239.7	225.2	215.6	204.8	195.1	196.3
77.5°	83.1	84.3	62.6	114.4	193.9	186.7	178.3	166.2	161.4	151.8	151.8
80°	62.6	66.2	47.0	78.3	139.7	139.7	132.5	124.1	115.6	110.8	110.8
82.5°	42.2	42.2	34.9	49.4	95.2	91.5	86.7	84.3	79.5	77.1	77.1
85°	19.3	24.1	21.7	30.1	51.8	54.2	54.2	51.8	50.6	48.2	49.4
87.5°	6.0	10.8	13.2	16.9	26.5	27.7	28.9	28.9	28.9	30.1	30.1
90°	3.7	6.7	9.7	10.4	16.4	24.3	28.3	25.2	19.0	14.2	14.2
92.5°	14.9	40.3	65.7	72.0	101.3	140.3	159.8	140.0	100.5	70.9	68.1
95°	35.8	82.3	128.7	140.4	249.3	394.5	467.1	416.8	316.2	240.8	232.3
97.5°	62.0	102.9	143.9	154.2	335.8	577.9	699.0	667.2	603.7	556.0	539.7
100°	82.1	119.3	156.5	165.8	367.3	636.0	770.3	772.6	777.3	780.8	761.4
102.5°	99.3	134.0	168.7	177.4	381.7	654.2	790.5	830.9	912.0	972.7	956.1
105°	128.5	157.9	187.3	194.6	392.4	656.3	788.2	879.0	1060.5	1196.7	1187.8
107.5°	158.4	185.7	213.1	219.9	394.4	627.1	743.4	870.1	1123.3	1313.2	1315.4
110°	178.5	203.2	227.9	234.1	391.4	601.2	706.1	847.6	1130.8	1343.1	1352.4



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	198.3	221.8	245.4	251.3	391.5	578.6	672.1	817.0	1106.7	1324.0	1338.3
115°	228.1	249.9	271.6	277.0	395.2	552.6	631.4	771.0	1050.1	1259.4	1279.2
117.5°	257.6	277.4	297.1	302.1	402.5	536.4	603.4	729.4	981.3	1170.2	1192.1
120°	274.8	293.4	312.0	316.6	408.5	530.9	592.2	707.3	937.4	1110.1	1131.4
122.5°	291.6	310.4	329.1	333.8	417.1	528.1	583.6	687.2	894.5	1049.9	1071.0
125°	317.3	334.4	351.6	355.8	428.6	525.7	574.3	662.3	838.4	970.4	989.8
127.5°	338.3	355.6	372.8	377.1	440.2	524.4	566.4	642.0	793.2	906.6	923.0
130°	349.5	368.1	386.6	391.3	448.7	525.2	563.5	630.8	765.3	866.3	881.4
132.5°	361.0	379.7	398.2	402.9	455.5	525.7	560.8	621.0	741.6	831.9	845.4
135°	378.2	395.2	412.1	416.4	463.0	525.2	556.3	606.7	707.7	783.3	795.0
137.5°	395.8	412.5	429.3	433.5	474.2	528.5	555.6	598.2	683.5	747.5	757.1
140°	410.3	425.8	441.2	445.1	481.1	529.0	552.9	589.8	663.5	718.8	727.7
142.5°	421.6	435.9	450.2	453.7	486.8	530.9	552.9	585.3	650.0	698.6	706.3
145°	438.8	451.2	463.6	466.7	494.2	530.9	549.3	575.8	628.7	668.3	674.1
147.5°	455.9	468.0	480.1	483.2	505.2	534.6	549.3	570.0	611.7	643.0	647.8
150°	467.1	478.0	489.0	491.8	510.9	536.5	549.3	566.8	602.0	628.4	632.4
152.5°	478.7	487.0	495.3	497.4	514.6	537.7	549.3	564.3	594.3	616.9	619.8
155°	495.9	502.0	508.1	509.7	522.8	540.4	549.3	561.2	585.1	603.1	605.0
157.5°	508.5	514.6	520.5	522.0	531.1	543.2	549.3	558.6	577.1	591.1	592.5
160°	517.1	521.8	526.4	527.6	534.8	544.4	549.3	557.2	573.1	585.1	585.9
162.5°	525.7	529.3	532.7	533.6	538.8	545.8	549.3	556.0	569.4	579.5	580.2
165°	535.0	538.3	541.4	542.2	544.5	547.6	549.3	554.1	563.7	570.9	571.7
167.5°	543.6	545.2	546.6	547.0	549.0	551.7	552.9	556.1	562.4	567.2	567.5
170°	549.3	550.8	552.2	552.6	552.7	552.9	552.9	556.1	562.4	567.2	567.2
172.5°	552.2	552.5	552.9	552.9	552.9	552.9	552.9	555.4	560.4	564.2	563.9
175°	556.3	556.3	556.3	556.3	555.2	553.7	552.9	554.6	557.7	560.1	560.1
177.5°	556.3	556.3	556.3	556.3	555.4	554.3	553.7	555.0	557.5	559.4	559.0
180°	556.3	556.3	556.3	556.3	556.3	556.3	556.3	556.3	556.3	556.3	556.3



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1273.2	1273.2	1273.2	1273.2	1273.2	1273.2	1273.2	1273.2	1273.2	1273.2	1273.2
2.5°	1305.7	1302.1	1305.7	1303.3	1304.5	1300.9	1290.0	1286.4	1290.0	1293.6	1293.6
5°	1321.3	1318.9	1321.3	1321.3	1320.1	1317.7	1305.7	1303.3	1305.7	1306.9	1304.5
7.5°	1326.2	1322.5	1326.2	1323.7	1323.7	1321.3	1309.3	1306.9	1308.1	1311.7	1308.1
10°	1326.2	1322.5	1326.2	1325.0	1323.7	1321.3	1309.3	1304.5	1304.5	1308.1	1304.5
12.5°	1320.1	1317.7	1320.1	1317.7	1317.7	1315.3	1303.3	1298.5	1299.7	1300.9	1296.0
15°	1310.5	1306.9	1310.5	1308.1	1309.3	1305.7	1292.4	1287.6	1287.6	1290.0	1281.6
17.5°	1296.0	1291.2	1296.0	1294.8	1293.6	1291.2	1279.2	1274.4	1273.2	1274.4	1268.3
20°	1279.2	1275.6	1279.2	1278.0	1278.0	1273.2	1261.1	1255.1	1255.1	1255.1	1249.1
22.5°	1252.7	1249.1	1252.7	1255.1	1255.1	1253.9	1243.0	1234.6	1232.2	1232.2	1225.0
25°	1222.6	1219.0	1222.6	1222.6	1221.4	1222.6	1219.0	1214.1	1210.5	1206.9	1199.7
27.5°	1193.7	1191.3	1193.7	1191.3	1193.7	1190.0	1188.8	1187.6	1182.8	1179.2	1169.6
30°	1164.8	1162.3	1164.8	1162.3	1159.9	1157.5	1151.5	1149.1	1153.9	1151.5	1135.8
32.5°	1128.6	1126.2	1128.6	1128.6	1126.2	1126.2	1116.6	1113.0	1114.2	1121.4	1106.9
35°	1091.3	1087.7	1091.3	1090.1	1091.3	1087.7	1081.6	1080.4	1075.6	1084.0	1073.2
37.5°	1047.9	1044.3	1047.9	1047.9	1047.9	1050.3	1045.5	1041.9	1034.7	1045.5	1037.1
40°	1003.3	998.5	1003.3	1002.1	1003.3	1005.8	1003.3	1000.9	993.7	1002.1	994.9
42.5°	952.8	951.6	952.8	954.0	954.0	958.8	962.4	957.6	955.2	949.1	954.0
45°	898.6	896.1	898.6	901.0	902.2	904.6	915.4	915.4	911.8	902.2	909.4
47.5°	840.7	834.7	840.7	848.0	848.0	851.6	862.4	870.9	864.8	852.8	856.4
50°	779.3	780.5	779.3	784.1	784.1	797.4	805.8	814.2	820.3	805.8	788.9
52.5°	719.1	717.9	719.1	722.7	727.5	733.5	748.0	756.4	766.1	757.6	731.1
55°	658.9	661.3	658.9	660.1	662.5	666.1	687.8	696.2	714.3	703.4	675.7
57.5°	598.6	595.0	598.6	601.0	602.2	605.9	623.9	639.6	650.4	651.6	617.9
60°	528.8	524.0	528.8	539.6	542.0	544.4	561.3	575.8	585.4	589.0	554.1
62.5°	467.3	458.9	467.3	474.6	479.4	485.4	497.5	519.1	527.6	528.8	479.4
65°	402.3	398.7	402.3	416.8	418.0	425.2	438.4	454.1	472.2	469.8	398.7
67.5°	343.3	343.3	343.3	352.9	360.1	363.8	380.6	387.8	410.7	413.1	332.4
70°	289.1	287.9	289.1	296.3	301.1	309.6	325.2	333.6	351.7	357.7	269.8
72.5°	237.3	236.1	237.3	243.3	248.1	255.4	268.6	278.2	293.9	301.1	209.6
75°	191.5	189.1	191.5	196.3	195.1	204.8	215.6	225.2	239.7	244.5	155.4
77.5°	146.9	146.9	146.9	151.8	151.8	161.4	166.2	178.3	186.7	193.9	114.4
80°	109.6	108.4	109.6	110.8	110.8	115.6	124.1	132.5	139.7	139.7	78.3
82.5°	77.1	74.7	77.1	77.1	77.1	79.5	84.3	86.7	91.5	95.2	49.4
85°	48.2	48.2	48.2	49.4	48.2	50.6	51.8	54.2	54.2	51.8	30.1
87.5°	31.3	30.1	31.3	30.1	30.1	28.9	28.9	28.9	27.7	26.5	16.9
90°	14.2	14.2	14.2	14.2	14.2	19.0	25.2	28.3	24.3	16.4	10.4
92.5°	56.8	45.5	56.8	68.1	70.9	100.5	140.0	159.8	140.3	101.3	72.0
95°	198.1	163.9	198.1	232.3	240.8	316.2	416.8	467.1	394.5	249.3	140.4
97.5°	474.7	409.6	474.7	539.7	556.0	603.7	667.2	699.0	577.9	335.8	154.2
100°	683.8	606.3	683.8	761.4	780.8	777.3	772.6	770.3	636.0	367.3	165.8
102.5°	889.7	823.3	889.7	956.1	972.7	912.0	830.9	790.5	654.2	381.7	177.4
105°	1152.1	1116.4	1152.1	1187.8	1196.7	1060.5	879.0	788.2	656.3	392.4	194.6
107.5°	1324.0	1332.6	1324.0	1315.4	1313.2	1123.3	870.1	743.4	627.1	394.4	219.9
110°	1389.5	1426.7	1389.5	1352.4	1343.1	1130.8	847.6	706.1	601.2	391.4	234.1





TEST NUMBER: P934751

CATALOG NUMBER: SQ4-FA-075U-075D-930-1D-UNV-STD-W-6

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	1395.4	1452.5	1395.4	1338.3	1324.0	1106.7	817.0	672.1	578.6	391.5	251.3
115°	1358.4	1437.5	1358.4	1279.2	1259.4	1050.1	771.0	631.4	552.6	395.2	277.0
117.5°	1279.9	1367.7	1279.9	1192.1	1170.2	981.3	729.4	603.4	536.4	402.5	302.1
120°	1216.7	1302.0	1216.7	1131.4	1110.1	937.4	707.3	592.2	530.9	408.5	316.6
122.5°	1155.1	1239.3	1155.1	1071.0	1049.9	894.5	687.2	583.6	528.1	417.1	333.8
125°	1067.3	1144.8	1067.3	989.8	970.4	838.4	662.3	574.3	525.7	428.6	355.8
127.5°	988.3	1053.7	988.3	923.0	906.6	793.2	642.0	566.4	524.4	440.2	377.1
130°	941.8	1002.1	941.8	881.4	866.3	765.3	630.8	563.5	525.2	448.7	391.3
132.5°	899.5	953.6	899.5	845.4	831.9	741.6	621.0	560.8	525.7	455.5	402.9
135°	841.6	888.3	841.6	795.0	783.3	707.7	606.7	556.3	525.2	463.0	416.4
137.5°	795.2	833.4	795.2	757.1	747.5	683.5	598.2	555.6	528.5	474.2	433.5
140°	763.4	799.1	763.4	727.7	718.8	663.5	589.8	552.9	529.0	481.1	445.1
142.5°	737.0	767.7	737.0	706.3	698.6	650.0	585.3	552.9	530.9	486.8	453.7
145°	697.4	720.6	697.4	674.1	668.3	628.7	575.8	549.3	530.9	494.2	466.7
147.5°	667.0	686.2	667.0	647.8	643.0	611.7	570.0	549.3	534.6	505.2	483.2
150°	647.9	663.5	647.9	632.4	628.4	602.0	566.8	549.3	536.5	510.9	491.8
152.5°	631.6	643.4	631.6	619.8	616.9	594.3	564.3	549.3	537.7	514.6	497.4
155°	612.8	620.6	612.8	605.0	603.1	585.1	561.2	549.3	540.4	522.8	509.7
157.5°	597.9	603.4	597.9	592.5	591.1	577.1	558.6	549.3	543.2	531.1	522.0
160°	589.0	592.2	589.0	585.9	585.1	573.1	557.2	549.3	544.4	534.8	527.6
162.5°	583.2	586.2	583.2	580.2	579.5	569.4	556.0	549.3	545.8	538.8	533.6
165°	574.9	578.0	574.9	571.7	570.9	563.7	554.1	549.3	547.6	544.5	542.2
167.5°	568.8	570.1	568.8	567.5	567.2	562.4	556.1	552.9	551.7	549.0	547.0
170°	567.2	567.2	567.2	567.2	567.2	562.4	556.1	552.9	552.9	552.7	552.6
172.5°	562.7	561.5	562.7	563.9	564.2	560.4	555.4	552.9	552.9	552.9	552.9
175°	560.1	560.1	560.1	560.1	560.1	557.7	554.6	552.9	553.7	555.2	556.3
177.5°	557.7	556.3	557.7	559.0	559.4	557.5	555.0	553.7	554.3	555.4	556.3
180°	556.3	556.3	556.3	556.3	556.3	556.3	556.3	556.3	556.3	556.3	556.3



TEST NUMBER: P934751  
 CATALOG NUMBER: SQ4-FA-075U-075D-930-1D-UNV-STD-W-6

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1273.2	1273.2	1273.2	1273.2	1273.2	1273.2	1273.2	1273.2	1273.2	1273.2	1273.2
2.5°	1291.2	1284.0	1284.0	1272.0	1267.1	1263.5	1257.5	1239.4	1234.6	1229.8	1237.0
5°	1302.1	1288.8	1279.2	1257.5	1239.4	1232.2	1209.3	1166.0	1137.0	1115.4	1103.3
7.5°	1304.5	1287.6	1269.5	1235.8	1192.5	1173.2	1103.3	1023.8	1002.1	982.9	970.8
10°	1302.1	1282.8	1257.5	1206.9	1104.5	1070.8	1000.9	949.1	935.9	932.3	935.9
12.5°	1293.6	1275.6	1240.6	1156.3	1013.0	990.1	949.1	919.0	916.6	922.6	955.2
15°	1279.2	1262.3	1221.4	1088.9	962.4	945.5	916.6	905.8	919.0	961.2	1058.8
17.5°	1264.7	1245.5	1194.9	1022.6	923.9	911.8	891.3	913.0	987.7	1044.3	1076.8
20°	1245.5	1222.6	1164.8	974.4	896.1	885.3	875.7	973.2	1029.8	1050.3	1068.4
22.5°	1222.6	1198.5	1123.8	940.7	867.2	858.8	864.8	1007.0	1029.8	1044.3	1060.0
25°	1192.5	1172.0	1075.6	914.2	844.4	834.7	857.6	1003.3	1016.6	1020.2	1051.5
27.5°	1164.8	1138.3	1025.0	890.1	816.7	813.0	863.6	987.7	997.3	1000.9	1034.7
30°	1131.0	1091.3	968.4	864.8	787.7	786.5	864.8	968.4	966.0	975.6	1009.4
32.5°	1096.1	1021.4	904.6	833.5	760.0	758.8	856.4	939.5	937.1	950.4	975.6
35°	1063.6	967.2	817.9	797.4	725.1	726.3	835.9	905.8	907.0	919.0	934.7
37.5°	1029.8	920.2	722.7	757.6	691.4	691.4	808.2	874.5	872.1	875.7	897.4
40°	990.1	846.8	638.4	705.8	660.1	656.5	774.5	840.7	832.3	831.1	861.2
42.5°	947.9	766.1	575.8	637.2	623.9	619.1	733.5	799.8	784.1	787.7	826.3
45°	902.2	744.4	527.6	538.4	586.6	583.0	689.0	752.8	742.0	751.6	791.4
47.5°	856.4	701.0	511.9	446.9	546.8	545.6	639.6	707.0	701.0	710.7	752.8
50°	793.8	652.8	510.7	383.0	502.3	507.1	580.6	662.5	662.5	670.9	715.5
52.5°	713.1	593.8	463.7	346.9	450.5	464.9	528.8	623.9	626.3	634.8	674.5
55°	639.6	532.4	430.0	319.2	389.1	420.4	478.2	584.2	589.0	597.4	633.6
57.5°	572.1	443.3	422.8	286.7	332.4	362.6	433.6	545.6	548.0	555.3	590.2
60°	499.9	320.4	387.8	251.7	283.1	305.9	392.7	499.9	508.3	513.1	543.2
62.5°	418.0	232.5	351.7	227.7	259.0	263.8	358.9	456.5	467.3	471.0	489.0
65°	297.5	195.1	298.7	207.2	233.7	234.9	322.8	411.9	421.6	427.6	440.8
67.5°	201.2	159.0	227.7	187.9	214.4	215.6	287.9	360.1	373.4	378.2	386.6
70°	139.7	106.0	168.6	167.4	192.7	195.1	250.5	313.2	325.2	328.8	333.6
72.5°	102.4	85.5	139.7	150.6	169.8	172.2	212.0	260.2	272.2	275.8	278.2
75°	78.3	90.3	113.2	131.3	144.5	145.7	173.4	212.0	220.4	222.8	224.0
77.5°	62.6	84.3	83.1	106.0	118.0	115.6	136.1	163.8	171.0	171.0	171.0
80°	47.0	66.2	62.6	75.9	86.7	84.3	97.6	116.8	119.2	121.7	120.4
82.5°	34.9	42.2	42.2	48.2	57.8	55.4	65.0	75.9	75.9	75.9	78.3
85°	21.7	24.1	19.3	25.3	32.5	31.3	36.1	41.0	42.2	42.2	39.7
87.5°	13.2	10.8	6.0	9.6	14.5	14.5	16.9	18.1	16.9	16.9	16.9
90°	9.7	6.7	3.7	6.7	9.7	10.4	16.4	24.3	28.3	25.2	19.0
92.5°	65.7	40.3	14.9	40.3	65.7	72.0	101.3	140.3	159.8	140.0	100.5
95°	128.7	82.3	35.8	82.3	128.7	140.4	249.3	394.5	467.1	416.8	316.2
97.5°	143.9	102.9	62.0	102.9	143.9	154.2	335.8	577.9	699.0	667.2	603.7
100°	156.5	119.3	82.1	119.3	156.5	165.8	367.3	636.0	770.3	772.6	777.3
102.5°	168.7	134.0	99.3	134.0	168.7	177.4	381.7	654.2	790.5	830.9	912.0
105°	187.3	157.9	128.5	157.9	187.3	194.6	392.4	656.3	788.2	879.0	1060.5
107.5°	213.1	185.7	158.4	185.7	213.1	219.9	394.4	627.1	743.4	870.1	1123.3
110°	227.9	203.2	178.5	203.2	227.9	234.1	391.4	601.2	706.1	847.6	1130.8



TEST NUMBER: P934751

CATALOG NUMBER: SQ4-FA-075U-075D-930-1D-UNV-STD-W-6

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	245.4	221.8	198.3	221.8	245.4	251.3	391.5	578.6	672.1	817.0	1106.7
115°	271.6	249.9	228.1	249.9	271.6	277.0	395.2	552.6	631.4	771.0	1050.1
117.5°	297.1	277.4	257.6	277.4	297.1	302.1	402.5	536.4	603.4	729.4	981.3
120°	312.0	293.4	274.8	293.4	312.0	316.6	408.5	530.9	592.2	707.3	937.4
122.5°	329.1	310.4	291.6	310.4	329.1	333.8	417.1	528.1	583.6	687.2	894.5
125°	351.6	334.4	317.3	334.4	351.6	355.8	428.6	525.7	574.3	662.3	838.4
127.5°	372.8	355.6	338.3	355.6	372.8	377.1	440.2	524.4	566.4	642.0	793.2
130°	386.6	368.1	349.5	368.1	386.6	391.3	448.7	525.2	563.5	630.8	765.3
132.5°	398.2	379.7	361.0	379.7	398.2	402.9	455.5	525.7	560.8	621.0	741.6
135°	412.1	395.2	378.2	395.2	412.1	416.4	463.0	525.2	556.3	606.7	707.7
137.5°	429.3	412.5	395.8	412.5	429.3	433.5	474.2	528.5	555.6	598.2	683.5
140°	441.2	425.8	410.3	425.8	441.2	445.1	481.1	529.0	552.9	589.8	663.5
142.5°	450.2	435.9	421.6	435.9	450.2	453.7	486.8	530.9	552.9	585.3	650.0
145°	463.6	451.2	438.8	451.2	463.6	466.7	494.2	530.9	549.3	575.8	628.7
147.5°	480.1	468.0	455.9	468.0	480.1	483.2	505.2	534.6	549.3	570.0	611.7
150°	489.0	478.0	467.1	478.0	489.0	491.8	510.9	536.5	549.3	566.8	602.0
152.5°	495.3	487.0	478.7	487.0	495.3	497.4	514.6	537.7	549.3	564.3	594.3
155°	508.1	502.0	495.9	502.0	508.1	509.7	522.8	540.4	549.3	561.2	585.1
157.5°	520.5	514.6	508.5	514.6	520.5	522.0	531.1	543.2	549.3	558.6	577.1
160°	526.4	521.8	517.1	521.8	526.4	527.6	534.8	544.4	549.3	557.2	573.1
162.5°	532.7	529.3	525.7	529.3	532.7	533.6	538.8	545.8	549.3	556.0	569.4
165°	541.4	538.3	535.0	538.3	541.4	542.2	544.5	547.6	549.3	554.1	563.7
167.5°	546.6	545.2	543.6	545.2	546.6	547.0	549.0	551.7	552.9	556.1	562.4
170°	552.2	550.8	549.3	550.8	552.2	552.6	552.7	552.9	552.9	556.1	562.4
172.5°	552.9	552.5	552.2	552.5	552.9	552.9	552.9	552.9	552.9	555.4	560.4
175°	556.3	556.3	556.3	556.3	556.3	556.3	555.2	553.7	552.9	554.6	557.7
177.5°	556.3	556.3	556.3	556.3	556.3	556.3	555.4	554.3	553.7	555.0	557.5
180°	556.3	556.3	556.3	556.3	556.3	556.3	556.3	556.3	556.3	556.3	556.3



TEST NUMBER: P934751  
 CATALOG NUMBER: SQ4-FA-075U-075D-930-1D-UNV-STD-W-6

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1273.2	1273.2	1273.2	1273.2	1273.2	1273.2	1273.2	1273.2	1273.2	1273.2	1273.2
2.5°	1228.6	1225.0	1229.8	1216.5	1229.8	1225.0	1228.6	1237.0	1229.8	1234.6	1239.4
5°	1078.0	1072.0	1052.7	1037.1	1052.7	1072.0	1078.0	1103.3	1115.4	1137.0	1166.0
7.5°	963.6	958.8	954.0	944.3	954.0	958.8	963.6	970.8	982.9	1002.1	1023.8
10°	938.3	939.5	946.7	945.5	946.7	939.5	938.3	935.9	932.3	935.9	949.1
12.5°	1003.3	1014.2	1053.9	1051.5	1053.9	1014.2	1003.3	955.2	922.6	916.6	919.0
15°	1078.0	1081.6	1090.1	1091.3	1090.1	1081.6	1078.0	1058.8	961.2	919.0	905.8
17.5°	1085.3	1086.5	1092.5	1092.5	1092.5	1086.5	1085.3	1076.8	1044.3	987.7	913.0
20°	1079.2	1081.6	1093.7	1096.1	1093.7	1081.6	1079.2	1068.4	1050.3	1029.8	973.2
22.5°	1076.8	1081.6	1091.3	1090.1	1091.3	1081.6	1076.8	1060.0	1044.3	1029.8	1007.0
25°	1064.8	1064.8	1066.0	1067.2	1066.0	1064.8	1064.8	1051.5	1020.2	1016.6	1003.3
27.5°	1039.5	1041.9	1049.1	1047.9	1049.1	1041.9	1039.5	1034.7	1000.9	997.3	987.7
30°	1016.6	1014.2	1008.2	1003.3	1008.2	1014.2	1016.6	1009.4	975.6	966.0	968.4
32.5°	978.1	972.0	966.0	962.4	966.0	972.0	978.1	975.6	950.4	937.1	939.5
35°	932.3	933.5	932.3	928.7	932.3	933.5	932.3	934.7	919.0	907.0	905.8
37.5°	899.8	902.2	901.0	896.1	901.0	902.2	899.8	897.4	875.7	872.1	874.5
40°	866.0	867.2	866.0	862.4	866.0	867.2	866.0	861.2	831.1	832.3	840.7
42.5°	833.5	832.3	828.7	826.3	828.7	832.3	833.5	826.3	787.7	784.1	799.8
45°	796.2	797.4	790.2	786.5	790.2	797.4	796.2	791.4	751.6	742.0	752.8
47.5°	758.8	758.8	752.8	749.2	752.8	758.8	758.8	752.8	710.7	701.0	707.0
50°	719.1	717.9	709.5	708.2	709.5	717.9	719.1	715.5	670.9	662.5	662.5
52.5°	673.3	673.3	674.5	676.9	674.5	673.3	673.3	674.5	634.8	626.3	623.9
55°	633.6	634.8	643.2	645.6	643.2	634.8	633.6	633.6	597.4	589.0	584.2
57.5°	592.6	592.6	598.6	598.6	598.6	592.6	592.6	590.2	555.3	548.0	545.6
60°	545.6	548.0	552.9	551.7	552.9	548.0	545.6	543.2	513.1	508.3	499.9
62.5°	496.3	498.7	499.9	497.5	499.9	498.7	496.3	489.0	471.0	467.3	456.5
65°	444.5	446.9	448.1	445.7	448.1	446.9	444.5	440.8	427.6	421.6	411.9
67.5°	391.5	390.3	389.1	393.9	389.1	390.3	391.5	386.6	378.2	373.4	360.1
70°	337.3	337.3	336.1	338.5	336.1	337.3	337.3	333.6	328.8	325.2	313.2
72.5°	279.4	278.2	283.1	279.4	283.1	278.2	279.4	278.2	275.8	272.2	260.2
75°	222.8	225.2	222.8	226.4	222.8	225.2	222.8	224.0	222.8	220.4	212.0
77.5°	169.8	172.2	169.8	169.8	169.8	172.2	169.8	171.0	171.0	171.0	163.8
80°	120.4	119.2	119.2	118.0	119.2	119.2	120.4	120.4	121.7	119.2	116.8
82.5°	77.1	75.9	75.9	78.3	75.9	75.9	77.1	78.3	75.9	75.9	75.9
85°	42.2	43.4	41.0	41.0	41.0	43.4	42.2	39.7	42.2	42.2	41.0
87.5°	15.7	14.5	14.5	14.5	14.5	14.5	15.7	16.9	16.9	16.9	18.1
90°	14.2	14.2	14.2	14.2	14.2	14.2	14.2	19.0	25.2	28.3	24.3
92.5°	70.9	68.1	56.8	45.5	56.8	68.1	70.9	100.5	140.0	159.8	140.3
95°	240.8	232.3	198.1	163.9	198.1	232.3	240.8	316.2	416.8	467.1	394.5
97.5°	556.0	539.7	474.7	409.6	474.7	539.7	556.0	603.7	667.2	699.0	577.9
100°	780.8	761.4	683.8	606.3	683.8	761.4	780.8	777.3	772.6	770.3	636.0
102.5°	972.7	956.1	889.7	823.3	889.7	956.1	972.7	912.0	830.9	790.5	654.2
105°	1196.7	1187.8	1152.1	1116.4	1152.1	1187.8	1196.7	1060.5	879.0	788.2	656.3
107.5°	1313.2	1315.4	1324.0	1332.6	1324.0	1315.4	1313.2	1123.3	870.1	743.4	627.1
110°	1343.1	1352.4	1389.5	1426.7	1389.5	1352.4	1343.1	1130.8	847.6	706.1	601.2



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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1324.0	1338.3	1395.4	1452.5	1395.4	1338.3	1324.0	1106.7	817.0	672.1	578.6
115°	1259.4	1279.2	1358.4	1437.5	1358.4	1279.2	1259.4	1050.1	771.0	631.4	552.6
117.5°	1170.2	1192.1	1279.9	1367.7	1279.9	1192.1	1170.2	981.3	729.4	603.4	536.4
120°	1110.1	1131.4	1216.7	1302.0	1216.7	1131.4	1110.1	937.4	707.3	592.2	530.9
122.5°	1049.9	1071.0	1155.1	1239.3	1155.1	1071.0	1049.9	894.5	687.2	583.6	528.1
125°	970.4	989.8	1067.3	1144.8	1067.3	989.8	970.4	838.4	662.3	574.3	525.7
127.5°	906.6	923.0	988.3	1053.7	988.3	923.0	906.6	793.2	642.0	566.4	524.4
130°	866.3	881.4	941.8	1002.1	941.8	881.4	866.3	765.3	630.8	563.5	525.2
132.5°	831.9	845.4	899.5	953.6	899.5	845.4	831.9	741.6	621.0	560.8	525.7
135°	783.3	795.0	841.6	888.3	841.6	795.0	783.3	707.7	606.7	556.3	525.2
137.5°	747.5	757.1	795.2	833.4	795.2	757.1	747.5	683.5	598.2	555.6	528.5
140°	718.8	727.7	763.4	799.1	763.4	727.7	718.8	663.5	589.8	552.9	529.0
142.5°	698.6	706.3	737.0	767.7	737.0	706.3	698.6	650.0	585.3	552.9	530.9
145°	668.3	674.1	697.4	720.6	697.4	674.1	668.3	628.7	575.8	549.3	530.9
147.5°	643.0	647.8	667.0	686.2	667.0	647.8	643.0	611.7	570.0	549.3	534.6
150°	628.4	632.4	647.9	663.5	647.9	632.4	628.4	602.0	566.8	549.3	536.5
152.5°	616.9	619.8	631.6	643.4	631.6	619.8	616.9	594.3	564.3	549.3	537.7
155°	603.1	605.0	612.8	620.6	612.8	605.0	603.1	585.1	561.2	549.3	540.4
157.5°	591.1	592.5	597.9	603.4	597.9	592.5	591.1	577.1	558.6	549.3	543.2
160°	585.1	585.9	589.0	592.2	589.0	585.9	585.1	573.1	557.2	549.3	544.4
162.5°	579.5	580.2	583.2	586.2	583.2	580.2	579.5	569.4	556.0	549.3	545.8
165°	570.9	571.7	574.9	578.0	574.9	571.7	570.9	563.7	554.1	549.3	547.6
167.5°	567.2	567.5	568.8	570.1	568.8	567.5	567.2	562.4	556.1	552.9	551.7
170°	567.2	567.2	567.2	567.2	567.2	567.2	567.2	562.4	556.1	552.9	552.9
172.5°	564.2	563.9	562.7	561.5	562.7	563.9	564.2	560.4	555.4	552.9	552.9
175°	560.1	560.1	560.1	560.1	560.1	560.1	560.1	557.7	554.6	552.9	553.7
177.5°	559.4	559.0	557.7	556.3	557.7	559.0	559.4	557.5	555.0	553.7	554.3
180°	556.3	556.3	556.3	556.3	556.3	556.3	556.3	556.3	556.3	556.3	556.3



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	1273.2	1273.2	1273.2	1273.2	1273.2
2.5°	1257.5	1263.5	1267.1	1272.0	1284.0
5°	1209.3	1232.2	1239.4	1257.5	1279.2
7.5°	1103.3	1173.2	1192.5	1235.8	1269.5
10°	1000.9	1070.8	1104.5	1206.9	1257.5
12.5°	949.1	990.1	1013.0	1156.3	1240.6
15°	916.6	945.5	962.4	1088.9	1221.4
17.5°	891.3	911.8	923.9	1022.6	1194.9
20°	875.7	885.3	896.1	974.4	1164.8
22.5°	864.8	858.8	867.2	940.7	1123.8
25°	857.6	834.7	844.4	914.2	1075.6
27.5°	863.6	813.0	816.7	890.1	1025.0
30°	864.8	786.5	787.7	864.8	968.4
32.5°	856.4	758.8	760.0	833.5	904.6
35°	835.9	726.3	725.1	797.4	817.9
37.5°	808.2	691.4	691.4	757.6	722.7
40°	774.5	656.5	660.1	705.8	638.4
42.5°	733.5	619.1	623.9	637.2	575.8
45°	689.0	583.0	586.6	538.4	527.6
47.5°	639.6	545.6	546.8	446.9	511.9
50°	580.6	507.1	502.3	383.0	510.7
52.5°	528.8	464.9	450.5	346.9	463.7
55°	478.2	420.4	389.1	319.2	430.0
57.5°	433.6	362.6	332.4	286.7	422.8
60°	392.7	305.9	283.1	251.7	387.8
62.5°	358.9	263.8	259.0	227.7	351.7
65°	322.8	234.9	233.7	207.2	298.7
67.5°	287.9	215.6	214.4	187.9	227.7
70°	250.5	195.1	192.7	167.4	168.6
72.5°	212.0	172.2	169.8	150.6	139.7
75°	173.4	145.7	144.5	131.3	113.2
77.5°	136.1	115.6	118.0	106.0	83.1
80°	97.6	84.3	86.7	75.9	62.6
82.5°	65.0	55.4	57.8	48.2	42.2
85°	36.1	31.3	32.5	25.3	19.3
87.5°	16.9	14.5	14.5	9.6	6.0
90°	16.4	10.4	9.7	6.7	3.7
92.5°	101.3	72.0	65.7	40.3	14.9
95°	249.3	140.4	128.7	82.3	35.8
97.5°	335.8	154.2	143.9	102.9	62.0
100°	367.3	165.8	156.5	119.3	82.1
102.5°	381.7	177.4	168.7	134.0	99.3
105°	392.4	194.6	187.3	157.9	128.5
107.5°	394.4	219.9	213.1	185.7	158.4
110°	391.4	234.1	227.9	203.2	178.5



TEST NUMBER: P934751

CATALOG NUMBER: SQ4-FA-075U-075D-930-1D-UNV-STD-W-6

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	391.5	251.3	245.4	221.8	198.3
115°	395.2	277.0	271.6	249.9	228.1
117.5°	402.5	302.1	297.1	277.4	257.6
120°	408.5	316.6	312.0	293.4	274.8
122.5°	417.1	333.8	329.1	310.4	291.6
125°	428.6	355.8	351.6	334.4	317.3
127.5°	440.2	377.1	372.8	355.6	338.3
130°	448.7	391.3	386.6	368.1	349.5
132.5°	455.5	402.9	398.2	379.7	361.0
135°	463.0	416.4	412.1	395.2	378.2
137.5°	474.2	433.5	429.3	412.5	395.8
140°	481.1	445.1	441.2	425.8	410.3
142.5°	486.8	453.7	450.2	435.9	421.6
145°	494.2	466.7	463.6	451.2	438.8
147.5°	505.2	483.2	480.1	468.0	455.9
150°	510.9	491.8	489.0	478.0	467.1
152.5°	514.6	497.4	495.3	487.0	478.7
155°	522.8	509.7	508.1	502.0	495.9
157.5°	531.1	522.0	520.5	514.6	508.5
160°	534.8	527.6	526.4	521.8	517.1
162.5°	538.8	533.6	532.7	529.3	525.7
165°	544.5	542.2	541.4	538.3	535.0
167.5°	549.0	547.0	546.6	545.2	543.6
170°	552.7	552.6	552.2	550.8	549.3
172.5°	552.9	552.9	552.9	552.5	552.2
175°	555.2	556.3	556.3	556.3	556.3
177.5°	555.4	556.3	556.3	556.3	556.3
180°	556.3	556.3	556.3	556.3	556.3



TEST NUMBER: P934751  
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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	11.77	12.61	12.74	13.60	14.90	14.59	15.43	15.57	16.42	17.72
	3H	12.24	13.00	13.23	13.99	15.32	15.93	16.69	16.92	17.69	19.01
	4H	12.43	13.15	13.43	14.15	15.48	16.37	17.09	17.37	18.09	19.42
	6H	12.55	13.21	13.56	14.21	15.56	16.66	17.31	17.67	18.32	19.67
	8H	12.55	13.18	13.57	14.20	15.54	16.73	17.36	17.75	18.38	19.72
	12H	12.52	13.12	13.54	14.13	15.50	16.77	17.36	17.79	18.38	19.75
4H	2H	12.80	13.51	13.80	14.51	15.84	15.00	15.71	16.00	16.71	18.05
	3H	13.82	14.42	14.84	15.45	16.79	16.50	17.10	17.52	18.13	19.47
	4H	14.10	14.64	15.12	15.66	17.03	17.03	17.57	18.05	18.59	19.96
	6H	14.22	14.69	15.25	15.73	17.10	17.39	17.86	18.42	18.90	20.27
	8H	14.22	14.66	15.26	15.70	17.08	17.49	17.93	18.53	18.97	20.35
	12H	14.19	14.59	15.24	15.64	17.03	17.55	17.94	18.60	19.00	20.38
8H	4H	14.55	14.98	15.58	16.02	17.40	17.15	17.59	18.18	18.63	20.01
	6H	14.81	15.17	15.87	16.25	17.63	17.58	17.94	18.64	19.03	20.40
	8H	14.85	15.17	15.92	16.23	17.63	17.73	18.05	18.80	19.12	20.51
	12H	14.83	15.11	15.90	16.17	17.61	17.83	18.11	18.90	19.17	20.61
12H	4H	14.55	14.95	15.60	16.00	17.39	17.11	17.51	18.17	18.56	19.95
	6H	14.87	15.19	15.93	16.25	17.65	17.58	17.90	18.65	18.96	20.36
	8H	14.93	15.21	16.00	16.27	17.71	17.74	18.02	18.81	19.08	20.52