

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: P934323

Luminaire Tested: SQ4-FA-050U-075D-927-1D-UNV-STD-W-6

Issue Date: 12/17/2024

**Test Information**

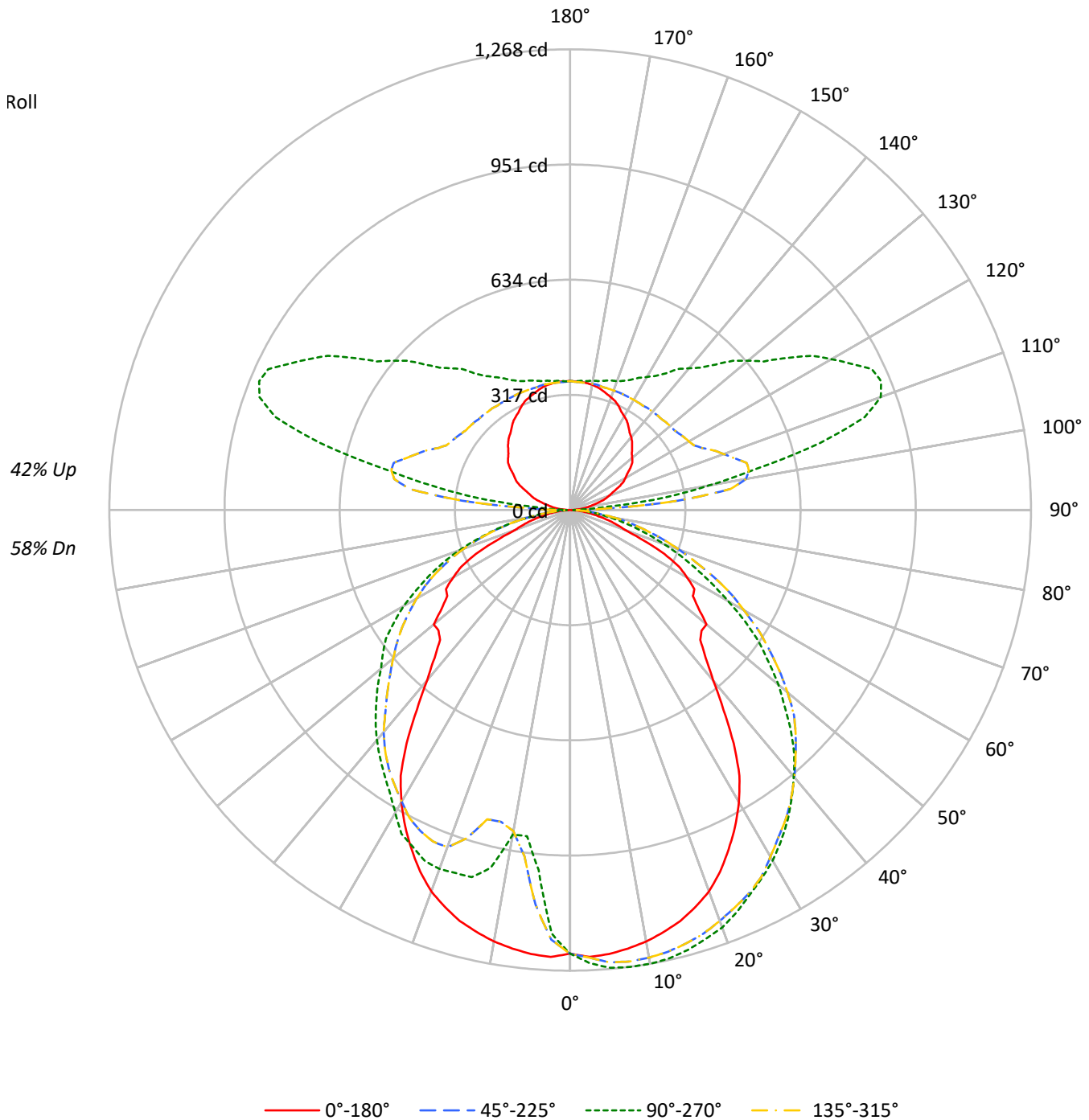
Test Method: LM-79-2019  
Report Number: P934323  
REPORT IS A COMBINATION OF REPORTS P933695 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-050U-075D-927-1D-UNV-STD-W-6  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5466.2 lumens  
Efficiency: N/A  
Efficacy: 100.1 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): 54.6  
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: P934323  
CATALOG NUMBER: SQ4-FA-050U-075D-927-1D-UNV-STD-W-6

### Luminous Intensity Polar Plot





TEST NUMBER: P934323

CATALOG NUMBER: SQ4-FA-050U-075D-927-1D-UNV-STD-W-6

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

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	109	109	109	109	102	102	102	102	88	88	88	75	75	75	63	63	63	58			58
1	100	95	91	88	93	89	86	83	77	75	72	66	64	63	56	55	54	49			49
2	91	83	77	72	84	78	72	68	68	63	60	58	55	52	49	47	45	41			41
3	83	73	66	60	77	68	62	57	60	55	50	51	48	44	44	41	39	35			35
4	76	65	57	51	70	61	54	48	53	47	43	46	41	38	39	36	33	30			30
5	70	58	49	43	65	54	47	41	47	42	37	41	37	33	35	32	29	26			26
6	64	52	44	38	60	49	41	36	43	37	32	37	32	29	32	28	25	23			23
7	59	47	39	33	55	44	37	31	39	33	28	34	29	25	29	25	23	20			20
8	55	42	35	29	51	40	33	28	35	29	25	31	26	23	27	23	20	18			18
9	51	39	31	26	48	37	30	25	32	27	23	28	24	20	25	21	18	16			16
10	48	36	28	23	45	34	27	22	30	24	20	26	22	18	23	19	17	15			15

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

	0°	90°	180°	270°
0°	7552	7552	7552	7552
5°	7606	7624	7606	5995
10°	7552	7510	7552	5369
15°	7467	7347	7467	6135
20°	7308	7154	7308	6147
25°	6986	6873	6986	6017
30°	6570	6640	6570	5731
35°	5854	6345	5854	5417
40°	4876	5997	4876	5180
45°	4353	5590	4353	4906
50°	4621	5105	4621	4632
55°	4343	4582	4343	4474
60°	4472	3892	4472	4098
65°	4048	3217	4048	3597
70°	2797	2563	2797	3015
75°	2444	1895	2444	2269
80°	1956	1254	1956	1364
85°	1103	664	1103	565

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 6676 cd/sqm



TEST NUMBER: P934323

CATALOG NUMBER: SQ4-FA-050U-075D-927-1D-UNV-STD-W-6

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	110.2	2.0
10°-20°	312.9	5.7
20°-30°	483.7	8.8
30°-40°	577.4	10.6
40°-50°	580.8	10.6
50°-60°	505.4	9.2
60°-70°	358.3	6.6
70°-80°	189.6	3.5
80°-90°	48.6	0.9
90°-100°	172.9	3.2
100°-110°	454.6	8.3
110°-120°	471.3	8.6
120°-130°	378.1	6.9
130°-140°	296.6	5.4
140°-150°	227.7	4.2
150°-160°	164.0	3.0
160°-170°	100.3	1.8
170°-180°	33.9	0.6
0°-30°	906.8	16.6
0°-40°	1484.2	27.2
0°-60°	2570.3	47.0
0°-90°	3166.8	57.9
90°-120°	1098.8	20.1
90°-150°	2001.2	36.6
90°-180°	2299.0	42.1
0°-180°	5466.2	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1221	1221	1221	1221	1221	
5°	1227	1265	1227	994	1227	116
15°	1171	1253	1171	1046	1171	330
25°	1031	1169	1031	1023	1031	474
35°	784	1043	784	890	784	485
45°	506	859	506	754	506	405
55°	412	634	412	619	412	379
65°	286	382	286	427	286	274
75°	109	181	109	217	109	114
85°	18	46	18	39	18	25
90°	2	9	2	9	2	3
95°	23	104	23	104	23	25
105°	82	712	82	712	82	87
115°	146	916	146	916	146	144
125°	202	730	202	730	202	180
135°	241	566	241	566	241	187
145°	280	460	280	460	280	175
155°	316	396	316	396	316	145
165°	341	368	341	368	341	96
175°	355	357	355	357	355	34
180°	355	355	355	355	355	



TEST NUMBER: P934323

CATALOG NUMBER: SQ4-FA-050U-075D-927-1D-UNV-STD-W-6

**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1220.8	1220.8	1220.8	1220.8	1220.8	1220.8	1220.8	1220.8	1220.8	1220.8	1220.8
2.5°	1231.2	1231.2	1238.2	1240.5	1240.5	1237.0	1233.5	1237.0	1247.4	1250.9	1249.7
5°	1226.6	1235.9	1248.6	1250.9	1253.2	1252.0	1249.7	1252.0	1263.6	1265.9	1267.0
7.5°	1217.4	1234.7	1250.9	1254.3	1257.8	1254.3	1253.2	1255.5	1267.0	1269.3	1269.3
10°	1205.8	1230.1	1248.6	1250.9	1254.3	1250.9	1250.9	1255.5	1267.0	1269.3	1270.5
12.5°	1189.6	1223.1	1240.5	1242.8	1247.4	1246.2	1245.1	1249.7	1261.3	1263.6	1263.6
15°	1171.2	1210.4	1226.6	1228.9	1237.0	1234.7	1234.7	1239.3	1252.0	1255.5	1254.3
17.5°	1145.8	1194.3	1212.8	1216.2	1222.0	1220.8	1222.0	1226.6	1238.2	1240.5	1241.6
20°	1116.9	1172.3	1194.3	1197.7	1203.5	1203.5	1203.5	1209.3	1220.8	1225.5	1225.5
22.5°	1077.6	1149.2	1172.3	1174.6	1181.6	1181.6	1183.9	1192.0	1202.4	1203.5	1203.5
25°	1031.4	1123.8	1143.4	1150.4	1157.3	1160.8	1164.2	1168.9	1172.3	1171.2	1172.3
27.5°	982.9	1091.5	1116.9	1121.5	1130.7	1134.2	1138.8	1140.0	1141.1	1144.6	1142.3
30°	928.6	1046.4	1084.5	1089.2	1104.2	1106.5	1101.9	1104.2	1110.0	1112.3	1114.6
32.5°	867.4	979.4	1051.0	1061.4	1075.3	1068.4	1067.2	1070.7	1079.9	1079.9	1082.2
35°	784.2	927.5	1019.9	1029.1	1039.5	1031.4	1036.0	1037.2	1043.0	1046.4	1045.3
37.5°	693.0	882.4	987.5	994.5	1002.5	992.1	999.1	1002.5	1007.2	1004.8	1004.8
40°	612.2	812.0	949.4	954.0	961.0	952.9	959.8	962.1	964.4	962.1	961.0
42.5°	552.1	734.6	909.0	914.8	910.1	915.9	918.2	922.8	919.4	914.8	914.8
45°	505.9	713.8	865.1	872.0	865.1	874.3	877.8	877.8	867.4	865.1	863.9
47.5°	490.9	672.2	821.2	821.2	817.7	829.3	835.1	827.0	816.6	813.1	813.1
50°	489.7	626.0	761.1	756.5	772.7	786.6	780.8	772.7	764.6	751.9	751.9
52.5°	444.7	569.4	683.8	701.1	726.5	734.6	725.3	717.3	703.4	697.6	693.0
55°	412.3	510.5	613.3	648.0	674.5	684.9	667.6	659.5	638.7	635.2	632.9
57.5°	405.4	425.0	548.6	592.5	624.9	623.7	613.3	598.3	581.0	577.5	576.3
60°	371.9	307.2	479.3	531.3	564.8	561.3	552.1	538.2	522.1	519.8	517.4
62.5°	337.3	222.9	400.8	459.7	507.0	505.9	497.8	477.0	465.5	459.7	455.1
65°	286.4	187.1	285.3	382.3	450.4	452.8	435.4	420.4	407.7	400.8	399.6
67.5°	218.3	152.5	192.9	318.8	396.2	393.9	371.9	365.0	348.8	345.3	338.4
70°	161.7	101.6	134.0	258.7	343.0	337.3	319.9	311.8	296.8	288.8	284.1
72.5°	134.0	82.0	98.2	201.0	288.8	281.8	266.8	257.6	244.9	237.9	233.3
75°	108.6	86.6	75.1	149.0	234.5	229.8	216.0	206.7	196.4	187.1	188.3
77.5°	79.7	80.9	60.1	109.7	186.0	179.0	170.9	159.4	154.8	145.5	145.5
80°	60.1	63.5	45.0	75.1	134.0	134.0	127.0	119.0	110.9	106.3	106.3
82.5°	40.4	40.4	33.5	47.4	91.2	87.8	83.2	80.9	76.2	73.9	73.9
85°	18.5	23.1	20.8	28.9	49.7	52.0	52.0	49.7	48.5	46.2	47.4
87.5°	5.8	10.4	12.7	16.2	25.4	26.6	27.7	27.7	27.7	28.9	28.9
90°	2.4	4.3	6.2	6.7	10.5	15.6	18.1	16.1	12.0	9.0	9.0
92.5°	9.5	25.7	41.9	46.0	64.6	89.5	101.9	89.2	64.1	45.2	43.4
95°	22.9	52.4	82.1	89.5	158.9	251.6	297.8	265.8	201.7	153.5	148.1
97.5°	39.5	65.7	91.8	98.3	214.1	368.5	445.7	425.4	384.8	354.4	344.0
100°	52.4	76.1	99.8	105.7	234.2	405.5	491.1	492.6	495.6	497.8	485.5
102.5°	63.3	85.5	107.6	113.1	243.4	417.1	504.0	529.8	581.4	620.2	609.6
105°	81.9	100.6	119.4	124.0	250.2	418.4	502.5	560.4	676.1	763.0	757.3
107.5°	100.9	118.4	135.8	140.2	251.5	399.8	473.9	554.6	716.1	837.2	838.6
110°	113.8	129.5	145.3	149.2	249.6	383.3	450.1	540.4	721.0	856.3	862.2



TEST NUMBER: P934323

CATALOG NUMBER: SQ4-FA-050U-075D-927-1D-UNV-STD-W-6

**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	126.4	141.4	156.5	160.2	249.6	368.9	428.5	520.9	705.6	844.2	853.2
115°	145.5	159.3	173.2	176.6	251.9	352.4	402.6	491.6	669.5	803.0	815.6
117.5°	164.2	176.9	189.4	192.6	256.6	342.0	384.7	465.0	625.6	746.1	760.1
120°	175.2	187.0	198.9	201.9	260.4	338.5	377.5	450.9	597.7	707.7	721.3
122.5°	186.0	197.9	209.8	212.8	265.9	336.6	372.1	438.1	570.3	669.4	682.8
125°	202.4	213.2	224.1	226.8	273.3	335.2	366.1	422.3	534.5	618.7	631.0
127.5°	215.7	226.7	237.7	240.5	280.7	334.3	361.1	409.3	505.7	578.0	588.4
130°	222.8	234.7	246.6	249.5	286.1	334.8	359.2	402.1	487.9	552.3	561.9
132.5°	230.2	242.1	253.9	256.9	290.4	335.2	357.6	396.0	472.8	530.4	539.0
135°	241.2	251.9	262.7	265.4	295.2	334.9	354.7	386.9	451.2	499.4	506.9
137.5°	252.3	263.0	273.7	276.4	302.3	336.9	354.2	381.4	435.7	476.6	482.6
140°	261.6	271.5	281.3	283.7	306.7	337.3	352.6	376.1	423.0	458.2	463.9
142.5°	268.7	277.8	286.9	289.2	310.3	338.5	352.6	373.2	414.4	445.4	450.3
145°	279.7	287.7	295.6	297.6	315.2	338.5	350.2	367.1	400.8	426.1	429.8
147.5°	290.7	298.4	306.2	308.1	322.1	340.8	350.2	363.4	390.0	409.9	413.0
150°	297.8	304.8	311.8	313.5	325.8	342.0	350.2	361.4	383.8	400.6	403.1
152.5°	305.2	310.5	315.8	317.1	328.1	342.8	350.2	359.7	378.9	393.2	395.1
155°	316.2	320.1	323.9	324.9	333.3	344.6	350.2	357.8	373.1	384.5	385.7
157.5°	324.2	328.0	331.9	332.8	338.6	346.3	350.2	356.1	368.0	376.8	377.7
160°	329.7	332.6	335.6	336.3	341.0	347.1	350.2	355.3	365.4	373.1	373.5
162.5°	335.2	337.4	339.6	340.2	343.5	348.0	350.2	354.5	363.1	369.4	369.9
165°	341.1	343.1	345.1	345.7	347.2	349.2	350.2	353.3	359.4	364.0	364.5
167.5°	346.6	347.5	348.5	348.7	350.0	351.7	352.6	354.6	358.6	361.6	361.8
170°	350.2	351.1	352.1	352.4	352.4	352.5	352.6	354.6	358.6	361.6	361.6
172.5°	352.1	352.4	352.5	352.6	352.6	352.6	352.6	354.1	357.3	359.7	359.5
175°	354.7	354.7	354.7	354.7	354.0	353.0	352.6	353.6	355.6	357.0	357.0
177.5°	354.7	354.7	354.7	354.7	354.2	353.4	353.0	353.8	355.4	356.6	356.4
180°	354.7	354.7	354.7	354.7	354.7	354.7	354.7	354.7	354.7	354.7	354.7



TEST NUMBER: P934323

CATALOG NUMBER: SQ4-FA-050U-075D-927-1D-UNV-STD-W-6

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1220.8	1220.8	1220.8	1220.8	1220.8	1220.8	1220.8	1220.8	1220.8	1220.8	1220.8
2.5°	1252.0	1248.6	1252.0	1249.7	1250.9	1247.4	1237.0	1233.5	1237.0	1240.5	1240.5
5°	1267.0	1264.7	1267.0	1267.0	1265.9	1263.6	1252.0	1249.7	1252.0	1253.2	1250.9
7.5°	1271.7	1268.2	1271.7	1269.3	1269.3	1267.0	1255.5	1253.2	1254.3	1257.8	1254.3
10°	1271.7	1268.2	1271.7	1270.5	1269.3	1267.0	1255.5	1250.9	1250.9	1254.3	1250.9
12.5°	1265.9	1263.6	1265.9	1263.6	1263.6	1261.3	1249.7	1245.1	1246.2	1247.4	1242.8
15°	1256.6	1253.2	1256.6	1254.3	1255.5	1252.0	1239.3	1234.7	1234.7	1237.0	1228.9
17.5°	1242.8	1238.2	1242.8	1241.6	1240.5	1238.2	1226.6	1222.0	1220.8	1222.0	1216.2
20°	1226.6	1223.1	1226.6	1225.5	1225.5	1220.8	1209.3	1203.5	1203.5	1203.5	1197.7
22.5°	1201.2	1197.7	1201.2	1203.5	1203.5	1202.4	1192.0	1183.9	1181.6	1181.6	1174.6
25°	1172.3	1168.9	1172.3	1172.3	1171.2	1172.3	1168.9	1164.2	1160.8	1157.3	1150.4
27.5°	1144.6	1142.3	1144.6	1142.3	1144.6	1141.1	1140.0	1138.8	1134.2	1130.7	1121.5
30°	1116.9	1114.6	1116.9	1114.6	1112.3	1110.0	1104.2	1101.9	1106.5	1104.2	1089.2
32.5°	1082.2	1079.9	1082.2	1082.2	1079.9	1079.9	1070.7	1067.2	1068.4	1075.3	1061.4
35°	1046.4	1043.0	1046.4	1045.3	1046.4	1043.0	1037.2	1036.0	1031.4	1039.5	1029.1
37.5°	1004.8	1001.4	1004.8	1004.8	1004.8	1007.2	1002.5	999.1	992.1	1002.5	994.5
40°	962.1	957.5	962.1	961.0	962.1	964.4	962.1	959.8	952.9	961.0	954.0
42.5°	913.6	912.4	913.6	914.8	914.8	919.4	922.8	918.2	915.9	910.1	914.8
45°	861.6	859.3	861.6	863.9	865.1	867.4	877.8	877.8	874.3	865.1	872.0
47.5°	806.2	800.4	806.2	813.1	813.1	816.6	827.0	835.1	829.3	817.7	821.2
50°	747.3	748.4	747.3	751.9	751.9	764.6	772.7	780.8	786.6	772.7	756.5
52.5°	689.5	688.4	689.5	693.0	697.6	703.4	717.3	725.3	734.6	726.5	701.1
55°	631.8	634.1	631.8	632.9	635.2	638.7	659.5	667.6	684.9	674.5	648.0
57.5°	574.0	570.6	574.0	576.3	577.5	581.0	598.3	613.3	623.7	624.9	592.5
60°	507.0	502.4	507.0	517.4	519.8	522.1	538.2	552.1	561.3	564.8	531.3
62.5°	448.1	440.1	448.1	455.1	459.7	465.5	477.0	497.8	505.9	507.0	459.7
65°	385.8	382.3	385.8	399.6	400.8	407.7	420.4	435.4	452.8	450.4	382.3
67.5°	329.2	329.2	329.2	338.4	345.3	348.8	365.0	371.9	393.9	396.2	318.8
70°	277.2	276.0	277.2	284.1	288.8	296.8	311.8	319.9	337.3	343.0	258.7
72.5°	227.5	226.4	227.5	233.3	237.9	244.9	257.6	266.8	281.8	288.8	201.0
75°	183.6	181.3	183.6	188.3	187.1	196.4	206.7	216.0	229.8	234.5	149.0
77.5°	140.9	140.9	140.9	145.5	145.5	154.8	159.4	170.9	179.0	186.0	109.7
80°	105.1	104.0	105.1	106.3	106.3	110.9	119.0	127.0	134.0	134.0	75.1
82.5°	73.9	71.6	73.9	73.9	73.9	76.2	80.9	83.2	87.8	91.2	47.4
85°	46.2	46.2	46.2	47.4	46.2	48.5	49.7	52.0	52.0	49.7	28.9
87.5°	30.0	28.9	30.0	28.9	28.9	27.7	27.7	27.7	26.6	25.4	16.2
90°	9.0	9.0	9.0	9.0	9.0	12.0	16.1	18.1	15.6	10.5	6.7
92.5°	36.2	29.0	36.2	43.4	45.2	64.1	89.2	101.9	89.5	64.6	46.0
95°	126.3	104.5	126.3	148.1	153.5	201.7	265.8	297.8	251.6	158.9	89.5
97.5°	302.6	261.2	302.6	344.0	354.4	384.8	425.4	445.7	368.5	214.1	98.3
100°	436.1	386.6	436.1	485.5	497.8	495.6	492.6	491.1	405.5	234.2	105.7
102.5°	567.3	524.9	567.3	609.6	620.2	581.4	529.8	504.0	417.1	243.4	113.1
105°	734.6	711.8	734.6	757.3	763.0	676.1	560.4	502.5	418.4	250.2	124.0
107.5°	844.1	849.6	844.1	838.6	837.2	716.1	554.6	473.9	399.8	251.5	140.2
110°	885.9	909.6	885.9	862.2	856.3	721.0	540.4	450.1	383.3	249.6	149.2





TEST NUMBER: P934323

CATALOG NUMBER: SQ4-FA-050U-075D-927-1D-UNV-STD-W-6

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	889.7	926.0	889.7	853.2	844.2	705.6	520.9	428.5	368.9	249.6	160.2
115°	866.0	916.5	866.0	815.6	803.0	669.5	491.6	402.6	352.4	251.9	176.6
117.5°	816.0	872.0	816.0	760.1	746.1	625.6	465.0	384.7	342.0	256.6	192.6
120°	775.7	830.1	775.7	721.3	707.7	597.7	450.9	377.5	338.5	260.4	201.9
122.5°	736.5	790.1	736.5	682.8	669.4	570.3	438.1	372.1	336.6	265.9	212.8
125°	680.4	729.9	680.4	631.0	618.7	534.5	422.3	366.1	335.2	273.3	226.8
127.5°	630.1	671.8	630.1	588.4	578.0	505.7	409.3	361.1	334.3	280.7	240.5
130°	600.4	638.9	600.4	561.9	552.3	487.9	402.1	359.2	334.8	286.1	249.5
132.5°	573.5	608.0	573.5	539.0	530.4	472.8	396.0	357.6	335.2	290.4	256.9
135°	536.6	566.3	536.6	506.9	499.4	451.2	386.9	354.7	334.9	295.2	265.4
137.5°	507.0	531.4	507.0	482.6	476.6	435.7	381.4	354.2	336.9	302.3	276.4
140°	486.6	509.4	486.6	463.9	458.2	423.0	376.1	352.6	337.3	306.7	283.7
142.5°	469.9	489.4	469.9	450.3	445.4	414.4	373.2	352.6	338.5	310.3	289.2
145°	444.7	459.5	444.7	429.8	426.1	400.8	367.1	350.2	338.5	315.2	297.6
147.5°	425.3	437.5	425.3	413.0	409.9	390.0	363.4	350.2	340.8	322.1	308.1
150°	413.1	423.0	413.1	403.1	400.6	383.8	361.4	350.2	342.0	325.8	313.5
152.5°	402.6	410.2	402.6	395.1	393.2	378.9	359.7	350.2	342.8	328.1	317.1
155°	390.7	395.6	390.7	385.7	384.5	373.1	357.8	350.2	344.6	333.3	324.9
157.5°	381.2	384.7	381.2	377.7	376.8	368.0	356.1	350.2	346.3	338.6	332.8
160°	375.5	377.5	375.5	373.5	373.1	365.4	355.3	350.2	347.1	341.0	336.3
162.5°	371.8	373.8	371.8	369.9	369.4	363.1	354.5	350.2	348.0	343.5	340.2
165°	366.5	368.5	366.5	364.5	364.0	359.4	353.3	350.2	349.2	347.2	345.7
167.5°	362.7	363.5	362.7	361.8	361.6	358.6	354.6	352.6	351.7	350.0	348.7
170°	361.6	361.6	361.6	361.6	361.6	358.6	354.6	352.6	352.5	352.4	352.4
172.5°	358.7	358.0	358.7	359.5	359.7	357.3	354.1	352.6	352.6	352.6	352.6
175°	357.0	357.0	357.0	357.0	357.0	355.6	353.6	352.6	353.0	354.0	354.7
177.5°	355.6	354.7	355.6	356.4	356.6	355.4	353.8	353.0	353.4	354.2	354.7
180°	354.7	354.7	354.7	354.7	354.7	354.7	354.7	354.7	354.7	354.7	354.7



TEST NUMBER: P934323

CATALOG NUMBER: SQ4-FA-050U-075D-927-1D-UNV-STD-W-6

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1220.8	1220.8	1220.8	1220.8	1220.8	1220.8	1220.8	1220.8	1220.8	1220.8	1220.8
2.5°	1238.2	1231.2	1231.2	1219.7	1215.1	1211.6	1205.8	1188.5	1183.9	1179.3	1186.2
5°	1248.6	1235.9	1226.6	1205.8	1188.5	1181.6	1159.6	1118.0	1090.3	1069.5	1058.0
7.5°	1250.9	1234.7	1217.4	1185.0	1143.4	1125.0	1058.0	981.8	961.0	942.5	930.9
10°	1248.6	1230.1	1205.8	1157.3	1059.1	1026.8	959.8	910.1	897.4	894.0	897.4
12.5°	1240.5	1223.1	1189.6	1108.8	971.4	949.4	910.1	881.3	879.0	884.7	915.9
15°	1226.6	1210.4	1171.2	1044.1	922.8	906.7	879.0	868.6	881.3	921.7	1015.2
17.5°	1212.8	1194.3	1145.8	980.6	885.9	874.3	854.7	875.5	947.1	1001.4	1032.6
20°	1194.3	1172.3	1116.9	934.4	859.3	848.9	839.7	933.2	987.5	1007.2	1024.5
22.5°	1172.3	1149.2	1077.6	902.1	831.6	823.5	829.3	965.6	987.5	1001.4	1016.4
25°	1143.4	1123.8	1031.4	876.6	809.7	800.4	822.4	962.1	974.8	978.3	1008.3
27.5°	1116.9	1091.5	982.9	853.5	783.1	779.6	828.1	947.1	956.3	959.8	992.1
30°	1084.5	1046.4	928.6	829.3	755.4	754.2	829.3	928.6	926.3	935.6	967.9
32.5°	1051.0	979.4	867.4	799.3	728.8	727.6	821.2	900.9	898.6	911.3	935.6
35°	1019.9	927.5	784.2	764.6	695.3	696.5	801.6	868.6	869.7	881.3	896.3
37.5°	987.5	882.4	693.0	726.5	663.0	663.0	775.0	838.5	836.2	839.7	860.5
40°	949.4	812.0	612.2	676.8	632.9	629.5	742.7	806.2	798.1	797.0	825.8
42.5°	909.0	734.6	552.1	611.0	598.3	593.7	703.4	766.9	751.9	755.4	792.3
45°	865.1	713.8	505.9	516.3	562.5	559.0	660.7	721.9	711.5	720.7	758.8
47.5°	821.2	672.2	490.9	428.5	524.4	523.2	613.3	678.0	672.2	681.4	721.9
50°	761.1	626.0	489.7	367.3	481.6	486.3	556.7	635.2	635.2	643.3	686.1
52.5°	683.8	569.4	444.7	332.6	432.0	445.8	507.0	598.3	600.6	608.7	646.8
55°	613.3	510.5	412.3	306.1	373.1	403.1	458.5	560.2	564.8	572.9	607.5
57.5°	548.6	425.0	405.4	274.9	318.8	347.7	415.8	523.2	525.5	532.5	566.0
60°	479.3	307.2	371.9	241.4	271.4	293.4	376.5	479.3	487.4	492.0	520.9
62.5°	400.8	222.9	337.3	218.3	248.3	252.9	344.2	437.7	448.1	451.6	468.9
65°	285.3	187.1	286.4	198.7	224.1	225.2	309.5	395.0	404.2	410.0	422.7
67.5°	192.9	152.5	218.3	180.2	205.6	206.7	276.0	345.3	358.0	362.7	370.8
70°	134.0	101.6	161.7	160.5	184.8	187.1	240.2	300.3	311.8	315.3	319.9
72.5°	98.2	82.0	134.0	144.4	162.9	165.2	203.3	249.5	261.0	264.5	266.8
75°	75.1	86.6	108.6	125.9	138.6	139.8	166.3	203.3	211.4	213.7	214.8
77.5°	60.1	80.9	79.7	101.6	113.2	110.9	130.5	157.1	164.0	164.0	164.0
80°	45.0	63.5	60.1	72.8	83.2	80.9	93.6	112.0	114.3	116.7	115.5
82.5°	33.5	40.4	40.4	46.2	55.4	53.1	62.4	72.8	72.8	72.8	75.1
85°	20.8	23.1	18.5	24.3	31.2	30.0	34.6	39.3	40.4	40.4	38.1
87.5°	12.7	10.4	5.8	9.2	13.9	13.9	16.2	17.3	16.2	16.2	16.2
90°	6.2	4.3	2.4	4.3	6.2	6.7	10.5	15.6	18.1	16.1	12.0
92.5°	41.9	25.7	9.5	25.7	41.9	46.0	64.6	89.5	101.9	89.2	64.1
95°	82.1	52.4	22.9	52.4	82.1	89.5	158.9	251.6	297.8	265.8	201.7
97.5°	91.8	65.7	39.5	65.7	91.8	98.3	214.1	368.5	445.7	425.4	384.8
100°	99.8	76.1	52.4	76.1	99.8	105.7	234.2	405.5	491.1	492.6	495.6
102.5°	107.6	85.5	63.3	85.5	107.6	113.1	243.4	417.1	504.0	529.8	581.4
105°	119.4	100.6	81.9	100.6	119.4	124.0	250.2	418.4	502.5	560.4	676.1
107.5°	135.8	118.4	100.9	118.4	135.8	140.2	251.5	399.8	473.9	554.6	716.1
110°	145.3	129.5	113.8	129.5	145.3	149.2	249.6	383.3	450.1	540.4	721.0



TEST NUMBER: P934323

CATALOG NUMBER: SQ4-FA-050U-075D-927-1D-UNV-STD-W-6

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	156.5	141.4	126.4	141.4	156.5	160.2	249.6	368.9	428.5	520.9	705.6
115°	173.2	159.3	145.5	159.3	173.2	176.6	251.9	352.4	402.6	491.6	669.5
117.5°	189.4	176.9	164.2	176.9	189.4	192.6	256.6	342.0	384.7	465.0	625.6
120°	198.9	187.0	175.2	187.0	198.9	201.9	260.4	338.5	377.5	450.9	597.7
122.5°	209.8	197.9	186.0	197.9	209.8	212.8	265.9	336.6	372.1	438.1	570.3
125°	224.1	213.2	202.4	213.2	224.1	226.8	273.3	335.2	366.1	422.3	534.5
127.5°	237.7	226.7	215.7	226.7	237.7	240.5	280.7	334.3	361.1	409.3	505.7
130°	246.6	234.7	222.8	234.7	246.6	249.5	286.1	334.8	359.2	402.1	487.9
132.5°	253.9	242.1	230.2	242.1	253.9	256.9	290.4	335.2	357.6	396.0	472.8
135°	262.7	251.9	241.2	251.9	262.7	265.4	295.2	334.9	354.7	386.9	451.2
137.5°	273.7	263.0	252.3	263.0	273.7	276.4	302.3	336.9	354.2	381.4	435.7
140°	281.3	271.5	261.6	271.5	281.3	283.7	306.7	337.3	352.6	376.1	423.0
142.5°	286.9	277.8	268.7	277.8	286.9	289.2	310.3	338.5	352.6	373.2	414.4
145°	295.6	287.7	279.7	287.7	295.6	297.6	315.2	338.5	350.2	367.1	400.8
147.5°	306.2	298.4	290.7	298.4	306.2	308.1	322.1	340.8	350.2	363.4	390.0
150°	311.8	304.8	297.8	304.8	311.8	313.5	325.8	342.0	350.2	361.4	383.8
152.5°	315.8	310.5	305.2	310.5	315.8	317.1	328.1	342.8	350.2	359.7	378.9
155°	323.9	320.1	316.2	320.1	323.9	324.9	333.3	344.6	350.2	357.8	373.1
157.5°	331.9	328.0	324.2	328.0	331.9	332.8	338.6	346.3	350.2	356.1	368.0
160°	335.6	332.6	329.7	332.6	335.6	336.3	341.0	347.1	350.2	355.3	365.4
162.5°	339.6	337.4	335.2	337.4	339.6	340.2	343.5	348.0	350.2	354.5	363.1
165°	345.1	343.1	341.1	343.1	345.1	345.7	347.2	349.2	350.2	353.3	359.4
167.5°	348.5	347.5	346.6	347.5	348.5	348.7	350.0	351.7	352.6	354.6	358.6
170°	352.1	351.1	350.2	351.1	352.1	352.4	352.4	352.5	352.6	354.6	358.6
172.5°	352.5	352.4	352.1	352.4	352.5	352.6	352.6	352.6	352.6	354.1	357.3
175°	354.7	354.7	354.7	354.7	354.7	354.7	354.0	353.0	352.6	353.6	355.6
177.5°	354.7	354.7	354.7	354.7	354.7	354.7	354.2	353.4	353.0	353.8	355.4
180°	354.7	354.7	354.7	354.7	354.7	354.7	354.7	354.7	354.7	354.7	354.7



TEST NUMBER: P934323  
 CATALOG NUMBER: SQ4-FA-050U-075D-927-1D-UNV-STD-W-6

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1220.8	1220.8	1220.8	1220.8	1220.8	1220.8	1220.8	1220.8	1220.8	1220.8	1220.8
2.5°	1178.1	1174.6	1179.3	1166.6	1179.3	1174.6	1178.1	1186.2	1179.3	1183.9	1188.5
5°	1033.7	1028.0	1009.5	994.5	1009.5	1028.0	1033.7	1058.0	1069.5	1090.3	1118.0
7.5°	924.0	919.4	914.8	905.5	914.8	919.4	924.0	930.9	942.5	961.0	981.8
10°	899.7	900.9	907.8	906.7	907.8	900.9	899.7	897.4	894.0	897.4	910.1
12.5°	962.1	972.5	1010.6	1008.3	1010.6	972.5	962.1	915.9	884.7	879.0	881.3
15°	1033.7	1037.2	1045.3	1046.4	1045.3	1037.2	1033.7	1015.2	921.7	881.3	868.6
17.5°	1040.7	1041.8	1047.6	1047.6	1047.6	1041.8	1040.7	1032.6	1001.4	947.1	875.5
20°	1034.9	1037.2	1048.7	1051.0	1048.7	1037.2	1034.9	1024.5	1007.2	987.5	933.2
22.5°	1032.6	1037.2	1046.4	1045.3	1046.4	1037.2	1032.6	1016.4	1001.4	987.5	965.6
25°	1021.0	1021.0	1022.2	1023.3	1022.2	1021.0	1021.0	1008.3	978.3	974.8	962.1
27.5°	996.8	999.1	1006.0	1004.8	1006.0	999.1	996.8	992.1	959.8	956.3	947.1
30°	974.8	972.5	966.7	962.1	966.7	972.5	974.8	967.9	935.6	926.3	928.6
32.5°	937.9	932.1	926.3	922.8	926.3	932.1	937.9	935.6	911.3	898.6	900.9
35°	894.0	895.1	894.0	890.5	894.0	895.1	894.0	896.3	881.3	869.7	868.6
37.5°	862.8	865.1	863.9	859.3	863.9	865.1	862.8	860.5	839.7	836.2	838.5
40°	830.4	831.6	830.4	827.0	830.4	831.6	830.4	825.8	797.0	798.1	806.2
42.5°	799.3	798.1	794.6	792.3	794.6	798.1	799.3	792.3	755.4	751.9	766.9
45°	763.5	764.6	757.7	754.2	757.7	764.6	763.5	758.8	720.7	711.5	721.9
47.5°	727.6	727.6	721.9	718.4	721.9	727.6	727.6	721.9	681.4	672.2	678.0
50°	689.5	688.4	680.3	679.1	680.3	688.4	689.5	686.1	643.3	635.2	635.2
52.5°	645.6	645.6	646.8	649.1	646.8	645.6	645.6	646.8	608.7	600.6	598.3
55°	607.5	608.7	616.8	619.1	616.8	608.7	607.5	607.5	572.9	564.8	560.2
57.5°	568.3	568.3	574.0	574.0	574.0	568.3	568.3	566.0	532.5	525.5	523.2
60°	523.2	525.5	530.1	529.0	530.1	525.5	523.2	520.9	492.0	487.4	479.3
62.5°	475.9	478.2	479.3	477.0	479.3	478.2	475.9	468.9	451.6	448.1	437.7
65°	426.2	428.5	429.7	427.4	429.7	428.5	426.2	422.7	410.0	404.2	395.0
67.5°	375.4	374.2	373.1	377.7	373.1	374.2	375.4	370.8	362.7	358.0	345.3
70°	323.4	323.4	322.2	324.6	322.2	323.4	323.4	319.9	315.3	311.8	300.3
72.5°	268.0	266.8	271.4	268.0	271.4	266.8	268.0	266.8	264.5	261.0	249.5
75°	213.7	216.0	213.7	217.1	213.7	216.0	213.7	214.8	213.7	211.4	203.3
77.5°	162.9	165.2	162.9	162.9	162.9	165.2	162.9	164.0	164.0	164.0	157.1
80°	115.5	114.3	114.3	113.2	114.3	114.3	115.5	115.5	116.7	114.3	112.0
82.5°	73.9	72.8	72.8	75.1	72.8	72.8	73.9	75.1	72.8	72.8	72.8
85°	40.4	41.6	39.3	39.3	39.3	41.6	40.4	38.1	40.4	40.4	39.3
87.5°	15.0	13.9	13.9	13.9	13.9	13.9	15.0	16.2	16.2	16.2	17.3
90°	9.0	9.0	9.0	9.0	9.0	9.0	9.0	12.0	16.1	18.1	15.6
92.5°	45.2	43.4	36.2	29.0	36.2	43.4	45.2	64.1	89.2	101.9	89.5
95°	153.5	148.1	126.3	104.5	126.3	148.1	153.5	201.7	265.8	297.8	251.6
97.5°	354.4	344.0	302.6	261.2	302.6	344.0	354.4	384.8	425.4	445.7	368.5
100°	497.8	485.5	436.1	386.6	436.1	485.5	497.8	495.6	492.6	491.1	405.5
102.5°	620.2	609.6	567.3	524.9	567.3	609.6	620.2	581.4	529.8	504.0	417.1
105°	763.0	757.3	734.6	711.8	734.6	757.3	763.0	676.1	560.4	502.5	418.4
107.5°	837.2	838.6	844.1	849.6	844.1	838.6	837.2	716.1	554.6	473.9	399.8
110°	856.3	862.2	885.9	909.6	885.9	862.2	856.3	721.0	540.4	450.1	383.3



TEST NUMBER: P934323

CATALOG NUMBER: SQ4-FA-050U-075D-927-1D-UNV-STD-W-6

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	844.2	853.2	889.7	926.0	889.7	853.2	844.2	705.6	520.9	428.5	368.9
115°	803.0	815.6	866.0	916.5	866.0	815.6	803.0	669.5	491.6	402.6	352.4
117.5°	746.1	760.1	816.0	872.0	816.0	760.1	746.1	625.6	465.0	384.7	342.0
120°	707.7	721.3	775.7	830.1	775.7	721.3	707.7	597.7	450.9	377.5	338.5
122.5°	669.4	682.8	736.5	790.1	736.5	682.8	669.4	570.3	438.1	372.1	336.6
125°	618.7	631.0	680.4	729.9	680.4	631.0	618.7	534.5	422.3	366.1	335.2
127.5°	578.0	588.4	630.1	671.8	630.1	588.4	578.0	505.7	409.3	361.1	334.3
130°	552.3	561.9	600.4	638.9	600.4	561.9	552.3	487.9	402.1	359.2	334.8
132.5°	530.4	539.0	573.5	608.0	573.5	539.0	530.4	472.8	396.0	357.6	335.2
135°	499.4	506.9	536.6	566.3	536.6	506.9	499.4	451.2	386.9	354.7	334.9
137.5°	476.6	482.6	507.0	531.4	507.0	482.6	476.6	435.7	381.4	354.2	336.9
140°	458.2	463.9	486.6	509.4	486.6	463.9	458.2	423.0	376.1	352.6	337.3
142.5°	445.4	450.3	469.9	489.4	469.9	450.3	445.4	414.4	373.2	352.6	338.5
145°	426.1	429.8	444.7	459.5	444.7	429.8	426.1	400.8	367.1	350.2	338.5
147.5°	409.9	413.0	425.3	437.5	425.3	413.0	409.9	390.0	363.4	350.2	340.8
150°	400.6	403.1	413.1	423.0	413.1	403.1	400.6	383.8	361.4	350.2	342.0
152.5°	393.2	395.1	402.6	410.2	402.6	395.1	393.2	378.9	359.7	350.2	342.8
155°	384.5	385.7	390.7	395.6	390.7	385.7	384.5	373.1	357.8	350.2	344.6
157.5°	376.8	377.7	381.2	384.7	381.2	377.7	376.8	368.0	356.1	350.2	346.3
160°	373.1	373.5	375.5	377.5	375.5	373.5	373.1	365.4	355.3	350.2	347.1
162.5°	369.4	369.9	371.8	373.8	371.8	369.9	369.4	363.1	354.5	350.2	348.0
165°	364.0	364.5	366.5	368.5	366.5	364.5	364.0	359.4	353.3	350.2	349.2
167.5°	361.6	361.8	362.7	363.5	362.7	361.8	361.6	358.6	354.6	352.6	351.7
170°	361.6	361.6	361.6	361.6	361.6	361.6	361.6	358.6	354.6	352.6	352.5
172.5°	359.7	359.5	358.7	358.0	358.7	359.5	359.7	357.3	354.1	352.6	352.6
175°	357.0	357.0	357.0	357.0	357.0	357.0	357.0	355.6	353.6	352.6	353.0
177.5°	356.6	356.4	355.6	354.7	355.6	356.4	356.6	355.4	353.8	353.0	353.4
180°	354.7	354.7	354.7	354.7	354.7	354.7	354.7	354.7	354.7	354.7	354.7



TEST NUMBER: P934323

CATALOG NUMBER: SQ4-FA-050U-075D-927-1D-UNV-STD-W-6

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	1220.8	1220.8	1220.8	1220.8	1220.8
2.5°	1205.8	1211.6	1215.1	1219.7	1231.2
5°	1159.6	1181.6	1188.5	1205.8	1226.6
7.5°	1058.0	1125.0	1143.4	1185.0	1217.4
10°	959.8	1026.8	1059.1	1157.3	1205.8
12.5°	910.1	949.4	971.4	1108.8	1189.6
15°	879.0	906.7	922.8	1044.1	1171.2
17.5°	854.7	874.3	885.9	980.6	1145.8
20°	839.7	848.9	859.3	934.4	1116.9
22.5°	829.3	823.5	831.6	902.1	1077.6
25°	822.4	800.4	809.7	876.6	1031.4
27.5°	828.1	779.6	783.1	853.5	982.9
30°	829.3	754.2	755.4	829.3	928.6
32.5°	821.2	727.6	728.8	799.3	867.4
35°	801.6	696.5	695.3	764.6	784.2
37.5°	775.0	663.0	663.0	726.5	693.0
40°	742.7	629.5	632.9	676.8	612.2
42.5°	703.4	593.7	598.3	611.0	552.1
45°	660.7	559.0	562.5	516.3	505.9
47.5°	613.3	523.2	524.4	428.5	490.9
50°	556.7	486.3	481.6	367.3	489.7
52.5°	507.0	445.8	432.0	332.6	444.7
55°	458.5	403.1	373.1	306.1	412.3
57.5°	415.8	347.7	318.8	274.9	405.4
60°	376.5	293.4	271.4	241.4	371.9
62.5°	344.2	252.9	248.3	218.3	337.3
65°	309.5	225.2	224.1	198.7	286.4
67.5°	276.0	206.7	205.6	180.2	218.3
70°	240.2	187.1	184.8	160.5	161.7
72.5°	203.3	165.2	162.9	144.4	134.0
75°	166.3	139.8	138.6	125.9	108.6
77.5°	130.5	110.9	113.2	101.6	79.7
80°	93.6	80.9	83.2	72.8	60.1
82.5°	62.4	53.1	55.4	46.2	40.4
85°	34.6	30.0	31.2	24.3	18.5
87.5°	16.2	13.9	13.9	9.2	5.8
90°	10.5	6.7	6.2	4.3	2.4
92.5°	64.6	46.0	41.9	25.7	9.5
95°	158.9	89.5	82.1	52.4	22.9
97.5°	214.1	98.3	91.8	65.7	39.5
100°	234.2	105.7	99.8	76.1	52.4
102.5°	243.4	113.1	107.6	85.5	63.3
105°	250.2	124.0	119.4	100.6	81.9
107.5°	251.5	140.2	135.8	118.4	100.9
110°	249.6	149.2	145.3	129.5	113.8



TEST NUMBER: P934323

CATALOG NUMBER: SQ4-FA-050U-075D-927-1D-UNV-STD-W-6

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	249.6	160.2	156.5	141.4	126.4
115°	251.9	176.6	173.2	159.3	145.5
117.5°	256.6	192.6	189.4	176.9	164.2
120°	260.4	201.9	198.9	187.0	175.2
122.5°	265.9	212.8	209.8	197.9	186.0
125°	273.3	226.8	224.1	213.2	202.4
127.5°	280.7	240.5	237.7	226.7	215.7
130°	286.1	249.5	246.6	234.7	222.8
132.5°	290.4	256.9	253.9	242.1	230.2
135°	295.2	265.4	262.7	251.9	241.2
137.5°	302.3	276.4	273.7	263.0	252.3
140°	306.7	283.7	281.3	271.5	261.6
142.5°	310.3	289.2	286.9	277.8	268.7
145°	315.2	297.6	295.6	287.7	279.7
147.5°	322.1	308.1	306.2	298.4	290.7
150°	325.8	313.5	311.8	304.8	297.8
152.5°	328.1	317.1	315.8	310.5	305.2
155°	333.3	324.9	323.9	320.1	316.2
157.5°	338.6	332.8	331.9	328.0	324.2
160°	341.0	336.3	335.6	332.6	329.7
162.5°	343.5	340.2	339.6	337.4	335.2
165°	347.2	345.7	345.1	343.1	341.1
167.5°	350.0	348.7	348.5	347.5	346.6
170°	352.4	352.4	352.1	351.1	350.2
172.5°	352.6	352.6	352.5	352.4	352.1
175°	354.0	354.7	354.7	354.7	354.7
177.5°	354.2	354.7	354.7	354.7	354.7
180°	354.7	354.7	354.7	354.7	354.7



TEST NUMBER: P934323  
 CATALOG NUMBER: SQ4-FA-050U-075D-927-1D-UNV-STD-W-6

**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	12.53	13.47	13.41	14.37	15.53	15.35	16.29	16.24	17.20	18.35
	3H	13.01	13.85	13.91	14.77	15.95	16.70	17.54	17.60	18.46	19.64
	4H	13.21	14.00	14.12	14.92	16.11	17.15	17.94	18.06	18.86	20.05
	6H	13.33	14.06	14.26	14.99	16.19	17.44	18.17	18.36	19.10	20.30
	8H	13.33	14.03	14.27	14.98	16.18	17.51	18.21	18.45	19.15	20.35
	12H	13.31	13.97	14.25	14.91	16.13	17.55	18.22	18.49	19.16	20.38
4H	2H	13.57	14.36	14.49	15.29	16.47	15.77	16.57	16.69	17.49	18.68
	3H	14.60	15.27	15.53	16.22	17.42	17.28	17.95	18.21	18.90	20.10
	4H	14.88	15.49	15.82	16.43	17.66	17.81	18.42	18.75	19.36	20.59
	6H	15.01	15.53	15.97	16.50	17.73	18.18	18.70	19.14	19.67	20.90
	8H	15.02	15.51	15.98	16.47	17.71	18.29	18.78	19.24	19.74	20.98
	12H	14.99	15.43	15.97	16.41	17.66	18.35	18.79	19.32	19.77	21.02
8H	4H	15.34	15.83	16.30	16.79	18.04	17.94	18.43	18.90	19.39	20.64
	6H	15.61	16.01	16.59	17.02	18.26	18.38	18.78	19.36	19.79	21.03
	8H	15.65	16.01	16.64	17.00	18.26	18.53	18.89	19.52	19.88	21.14
	12H	15.64	15.95	16.63	16.94	18.24	18.63	18.95	19.63	19.94	21.24
12H	4H	15.35	15.79	16.33	16.77	18.02	17.91	18.35	18.89	19.33	20.58
	6H	15.67	16.02	16.66	17.02	18.28	18.38	18.74	19.37	19.73	20.99
	8H	15.74	16.05	16.73	17.04	18.35	18.54	18.86	19.54	19.85	21.15