

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: P934874

Luminaire Tested: SQ4-FA-075U-100D-940-1D-UNV-STD-W-4

Issue Date: 12/17/2024

**Test Information**

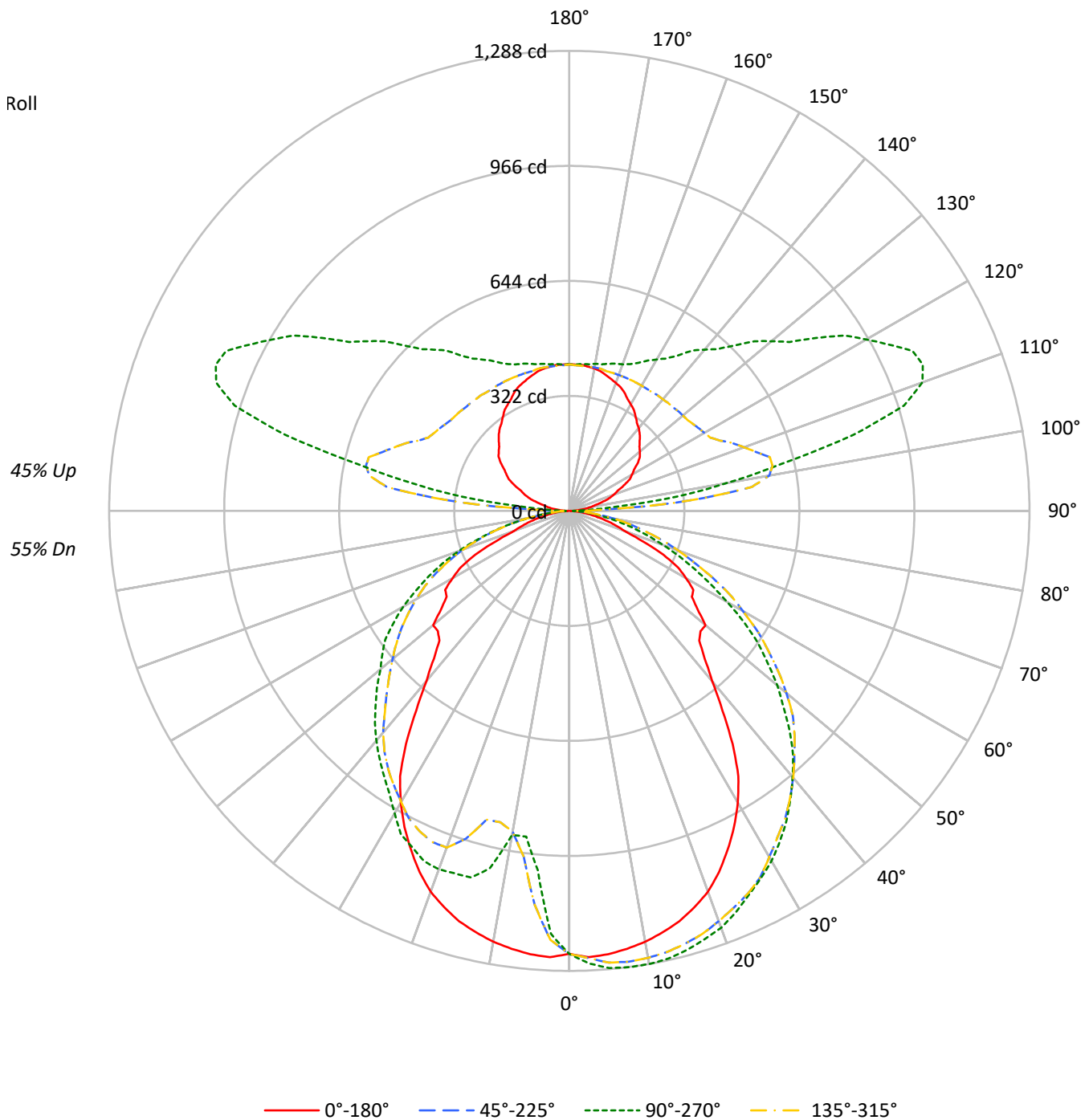
Test Method: LM-79-2019  
Report Number: P934874  
REPORT IS A COMBINATION OF REPORTS P933714 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-075U-100D-940-1D-UNV-STD-W-4  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5875.9 lumens  
Efficiency: N/A  
Efficacy: 114.8 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: General Diffuse  
  
Input Watts (W): 51.2  
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: P934874  
CATALOG NUMBER: SQ4-FA-075U-100D-940-1D-UNV-STD-W-4

### 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	0
RCR																		
0	108	108	108	108	100	100	100	100	86	86	86	73	73	73	60	60	60	55
1	99	95	91	87	92	88	85	82	76	73	71	64	62	61	54	52	51	46
2	90	83	76	71	83	77	72	67	66	62	59	56	53	51	47	45	43	39
3	82	73	65	59	76	68	61	56	58	53	49	50	46	43	42	39	37	33
4	75	64	56	50	69	60	53	47	52	46	42	44	40	37	37	34	32	28
5	69	57	49	43	64	54	46	41	46	41	36	40	35	32	34	30	28	24
6	64	51	43	37	59	48	41	35	42	36	32	36	31	28	30	27	24	21
7	59	46	38	33	54	43	36	31	38	32	28	33	28	25	28	24	21	19
8	55	42	34	29	51	39	32	27	35	29	25	30	25	22	25	22	19	17
9	51	38	31	26	47	36	29	25	32	26	22	27	23	20	24	20	17	15
10	47	35	28	23	44	33	26	22	29	24	20	25	21	18	22	18	16	14

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

	0°	90°	180°	270°
0°	11507	11507	11507	11507
5°	11581	11617	11581	9134
10°	11491	11442	11491	8181
15°	11353	11194	11353	9347
20°	11102	10901	11102	9367
25°	10604	10472	10604	9169
30°	9963	10117	9963	8733
35°	8869	9668	8869	8254
40°	7378	9137	7378	7892
45°	6579	8518	6579	7477
50°	6974	7779	6974	7059
55°	6543	6983	6543	6817
60°	6720	5929	6720	6243
65°	6064	4901	6064	5479
70°	4171	3906	4171	4593
75°	3617	2888	3617	3458
80°	2855	1909	2855	2079
85°	1548	1011	1548	860

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 10103 cd/sqm



TEST NUMBER: P934874

CATALOG NUMBER: SQ4-FA-075U-100D-940-1D-UNV-STD-W-4

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	111.9	1.9
10°-20°	317.8	5.4
20°-30°	491.3	8.4
30°-40°	586.5	10.0
40°-50°	590.0	10.0
50°-60°	513.3	8.7
60°-70°	364.0	6.2
70°-80°	192.6	3.3
80°-90°	49.5	0.8
90°-100°	199.9	3.4
100°-110°	525.6	8.9
110°-120°	545.0	9.3
120°-130°	437.2	7.4
130°-140°	343.0	5.8
140°-150°	263.3	4.5
150°-160°	189.6	3.2
160°-170°	116.0	2.0
170°-180°	39.2	0.7
0°-30°	921.1	15.7
0°-40°	1507.6	25.7
0°-60°	2611.0	44.4
0°-90°	3217.0	54.7
90°-120°	1270.6	21.6
90°-150°	2314.1	39.4
90°-180°	2659.0	45.3
0°-180°	5875.9	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1240	1240	1240	1240	1240	
5°	1246	1285	1246	1010	1246	118
15°	1190	1273	1190	1063	1190	335
25°	1048	1187	1048	1040	1048	481
35°	797	1060	797	905	797	493
45°	514	873	514	766	514	412
55°	419	644	419	629	419	385
65°	291	388	291	434	291	278
75°	110	184	110	221	110	116
85°	19	47	19	40	19	25
90°	3	10	3	10	3	3
95°	26	121	26	121	26	29
105°	95	823	95	823	95	100
115°	168	1060	168	1060	168	166
125°	234	844	234	844	234	208
135°	279	655	279	655	279	216
145°	323	531	323	531	323	203
155°	366	458	366	458	366	168
165°	394	426	394	426	394	111
175°	410	413	410	413	410	39
180°	410	410	410	410	410	



TEST NUMBER: P934874

CATALOG NUMBER: SQ4-FA-075U-100D-940-1D-UNV-STD-W-4

**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1240.1	1240.1	1240.1	1240.1	1240.1	1240.1	1240.1	1240.1	1240.1	1240.1	1240.1
2.5°	1250.7	1250.7	1257.8	1260.1	1260.1	1256.5	1253.1	1256.5	1267.1	1270.6	1269.5
5°	1246.0	1255.4	1268.3	1270.6	1272.9	1271.8	1269.5	1271.8	1283.5	1285.9	1287.1
7.5°	1236.6	1254.2	1270.6	1274.2	1277.7	1274.2	1272.9	1275.3	1287.1	1289.4	1289.4
10°	1224.9	1249.5	1268.3	1270.6	1274.2	1270.6	1270.6	1275.3	1287.1	1289.4	1290.6
12.5°	1208.5	1242.5	1260.1	1262.5	1267.1	1265.9	1264.8	1269.5	1281.2	1283.5	1283.5
15°	1189.7	1229.6	1246.0	1248.4	1256.5	1254.2	1254.2	1258.9	1271.8	1275.3	1274.2
17.5°	1163.9	1213.2	1231.9	1235.5	1241.3	1240.1	1241.3	1246.0	1257.8	1260.1	1261.2
20°	1134.5	1190.9	1213.2	1216.6	1222.5	1222.5	1222.5	1228.4	1240.1	1244.8	1244.8
22.5°	1094.6	1167.4	1190.9	1193.2	1200.2	1200.2	1202.6	1210.8	1221.4	1222.5	1222.5
25°	1047.8	1141.6	1161.5	1168.6	1175.6	1179.1	1182.6	1187.3	1190.9	1189.7	1190.9
27.5°	998.5	1108.8	1134.5	1139.2	1148.6	1152.2	1156.8	1158.0	1159.2	1162.7	1160.3
30°	943.3	1062.9	1101.7	1106.4	1121.6	1123.9	1119.3	1121.6	1127.5	1129.9	1132.2
32.5°	881.1	994.9	1067.6	1078.2	1092.3	1085.2	1084.1	1087.6	1097.0	1097.0	1099.3
35°	796.6	942.2	1036.0	1045.4	1055.9	1047.8	1052.4	1053.6	1059.5	1062.9	1061.8
37.5°	703.9	896.3	1003.2	1010.2	1018.4	1007.8	1014.9	1018.4	1023.1	1020.8	1020.8
40°	621.9	824.8	964.5	969.1	976.2	967.9	974.9	977.3	979.6	977.3	976.2
42.5°	560.9	746.2	923.3	929.2	924.5	930.4	932.8	937.5	933.9	929.2	929.2
45°	513.9	725.1	878.8	885.8	878.8	888.2	891.6	891.6	881.1	878.8	877.6
47.5°	498.6	682.9	834.2	834.2	830.6	842.4	848.3	840.0	829.5	826.0	826.0
50°	497.5	635.9	773.2	768.5	784.9	799.0	793.2	784.9	776.7	763.8	763.8
52.5°	451.7	578.4	694.6	712.2	738.0	746.2	736.8	728.6	714.5	708.6	703.9
55°	418.9	518.6	623.0	658.2	685.2	695.7	678.2	669.9	648.8	645.3	642.9
57.5°	411.9	431.7	557.3	601.9	634.7	633.6	623.0	607.7	590.2	586.6	585.5
60°	377.8	312.0	486.9	539.7	573.7	570.2	560.9	546.7	530.3	528.0	525.6
62.5°	342.6	226.4	407.1	467.0	515.0	513.9	505.7	484.6	472.9	467.0	462.3
65°	291.0	190.0	289.8	388.3	457.6	459.9	442.3	427.0	414.2	407.1	405.9
67.5°	221.7	154.9	195.9	323.9	402.4	400.0	377.8	370.7	354.3	350.8	343.7
70°	164.3	103.3	136.1	262.8	348.5	342.6	325.0	316.7	301.6	293.3	288.6
72.5°	136.1	83.3	99.7	204.2	293.3	286.3	271.0	261.6	248.7	241.7	237.0
75°	110.3	88.0	76.3	151.3	238.2	233.5	219.4	210.0	199.4	190.0	191.3
77.5°	81.0	82.1	61.0	111.4	188.9	181.9	173.6	161.9	157.2	147.9	147.9
80°	61.0	64.6	45.7	76.3	136.1	136.1	129.0	120.9	112.6	108.0	108.0
82.5°	41.0	41.0	34.0	48.1	92.7	89.2	84.4	82.1	77.4	75.1	75.1
85°	18.7	23.4	21.1	29.3	50.4	52.8	52.8	50.4	49.3	46.9	48.1
87.5°	5.9	10.6	12.9	16.4	25.8	27.0	28.1	28.1	28.1	29.3	29.3
90°	2.8	5.0	7.2	7.7	12.2	18.0	21.0	18.6	13.9	10.5	10.5
92.5°	11.0	29.7	48.4	53.1	74.7	103.5	117.8	103.3	74.1	52.3	50.3
95°	26.5	60.7	95.0	103.5	183.8	290.8	344.4	307.2	233.1	177.5	171.2
97.5°	45.7	75.9	106.1	113.7	247.6	426.1	515.3	491.9	445.1	409.9	397.9
100°	60.6	87.9	115.4	122.2	270.8	468.9	567.9	569.6	573.0	575.6	561.3
102.5°	73.3	98.8	124.3	130.7	281.4	482.4	582.8	612.6	672.3	717.1	704.8
105°	94.7	116.3	138.0	143.4	289.3	483.9	581.1	648.1	781.9	882.2	875.7
107.5°	116.7	136.9	157.1	162.1	290.8	462.3	548.1	641.4	828.1	968.1	969.7
110°	131.6	149.8	168.1	172.6	288.6	443.2	520.5	624.9	833.6	990.1	997.0



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CATALOG NUMBER: SQ4-FA-075U-100D-940-1D-UNV-STD-W-4

**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	146.2	163.6	180.9	185.2	288.7	426.6	495.5	602.3	815.9	976.1	986.7
115°	168.2	184.2	200.2	204.2	291.4	407.4	465.5	568.4	774.2	928.5	943.1
117.5°	189.9	204.5	219.1	222.7	296.8	395.4	444.8	537.7	723.4	862.7	878.9
120°	202.6	216.3	230.0	233.5	301.1	391.4	436.5	521.4	691.1	818.4	834.1
122.5°	215.0	228.8	242.6	246.1	307.4	389.3	430.2	506.6	659.4	774.1	789.6
125°	234.0	246.6	259.2	262.3	316.0	387.6	423.4	488.3	618.1	715.5	729.8
127.5°	249.4	262.1	274.8	278.0	324.6	386.6	417.6	473.4	584.8	668.4	680.5
130°	257.7	271.4	285.0	288.5	330.8	387.2	415.4	465.0	564.2	638.6	649.7
132.5°	266.2	279.9	293.6	297.0	335.8	387.6	413.5	457.9	546.7	613.3	623.3
135°	278.8	291.3	303.8	306.9	341.3	387.3	410.2	447.4	521.8	577.6	586.2
137.5°	291.8	304.1	316.5	319.6	349.6	389.7	409.6	441.1	503.9	551.1	558.1
140°	302.5	313.9	325.3	328.1	354.7	390.0	407.7	434.9	489.1	529.9	536.4
142.5°	310.8	321.3	331.8	334.4	358.8	391.4	407.7	431.6	479.3	515.0	520.7
145°	323.4	332.6	341.8	344.1	364.3	391.4	404.9	424.5	463.4	492.8	497.0
147.5°	336.1	345.0	354.0	356.2	372.4	394.1	404.9	420.3	451.0	474.0	477.6
150°	344.4	352.4	360.5	362.6	376.7	395.5	404.9	417.9	443.8	463.3	466.1
152.5°	352.9	359.0	365.1	366.7	379.4	396.4	404.9	416.0	438.1	454.7	456.9
155°	365.6	370.1	374.6	375.7	385.5	398.4	404.9	413.7	431.3	444.5	446.0
157.5°	374.9	379.4	383.8	384.9	391.5	400.5	404.9	411.8	425.4	435.7	436.7
160°	381.2	384.7	388.1	388.9	394.3	401.4	404.9	410.8	422.6	431.4	431.9
162.5°	387.6	390.2	392.8	393.4	397.2	402.4	404.9	409.9	419.8	427.2	427.7
165°	394.4	396.8	399.1	399.7	401.5	403.8	404.9	408.5	415.6	420.9	421.5
167.5°	400.8	401.8	403.0	403.2	404.8	406.7	407.7	410.0	414.7	418.2	418.4
170°	404.9	406.0	407.1	407.4	407.5	407.6	407.7	410.0	414.7	418.2	418.2
172.5°	407.1	407.4	407.6	407.7	407.7	407.7	407.7	409.5	413.2	415.9	415.8
175°	410.2	410.2	410.2	410.2	409.4	408.2	407.7	408.8	411.1	412.9	412.9
177.5°	410.2	410.2	410.2	410.2	409.5	408.7	408.2	409.1	411.0	412.4	412.1
180°	410.2	410.2	410.2	410.2	410.2	410.2	410.2	410.2	410.2	410.2	410.2



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1240.1	1240.1	1240.1	1240.1	1240.1	1240.1	1240.1	1240.1	1240.1	1240.1	1240.1
2.5°	1271.8	1268.3	1271.8	1269.5	1270.6	1267.1	1256.5	1253.1	1256.5	1260.1	1260.1
5°	1287.1	1284.8	1287.1	1287.1	1285.9	1283.5	1271.8	1269.5	1271.8	1272.9	1270.6
7.5°	1291.8	1288.2	1291.8	1289.4	1289.4	1287.1	1275.3	1272.9	1274.2	1277.7	1274.2
10°	1291.8	1288.2	1291.8	1290.6	1289.4	1287.1	1275.3	1270.6	1270.6	1274.2	1270.6
12.5°	1285.9	1283.5	1285.9	1283.5	1283.5	1281.2	1269.5	1264.8	1265.9	1267.1	1262.5
15°	1276.5	1272.9	1276.5	1274.2	1275.3	1271.8	1258.9	1254.2	1254.2	1256.5	1248.4
17.5°	1262.5	1257.8	1262.5	1261.2	1260.1	1257.8	1246.0	1241.3	1240.1	1241.3	1235.5
20°	1246.0	1242.5	1246.0	1244.8	1244.8	1240.1	1228.4	1222.5	1222.5	1222.5	1216.6
22.5°	1220.2	1216.6	1220.2	1222.5	1222.5	1221.4	1210.8	1202.6	1200.2	1200.2	1193.2
25°	1190.9	1187.3	1190.9	1190.9	1189.7	1190.9	1187.3	1182.6	1179.1	1175.6	1168.6
27.5°	1162.7	1160.3	1162.7	1160.3	1162.7	1159.2	1158.0	1156.8	1152.2	1148.6	1139.2
30°	1134.5	1132.2	1134.5	1132.2	1129.9	1127.5	1121.6	1119.3	1123.9	1121.6	1106.4
32.5°	1099.3	1097.0	1099.3	1099.3	1097.0	1097.0	1087.6	1084.1	1085.2	1092.3	1078.2
35°	1062.9	1059.5	1062.9	1061.8	1062.9	1059.5	1053.6	1052.4	1047.8	1055.9	1045.4
37.5°	1020.8	1017.2	1020.8	1020.8	1020.8	1023.1	1018.4	1014.9	1007.8	1018.4	1010.2
40°	977.3	972.6	977.3	976.2	977.3	979.6	977.3	974.9	967.9	976.2	969.1
42.5°	928.0	926.9	928.0	929.2	929.2	933.9	937.5	932.8	930.4	924.5	929.2
45°	875.2	872.9	875.2	877.6	878.8	881.1	891.6	891.6	888.2	878.8	885.8
47.5°	818.9	813.1	818.9	826.0	826.0	829.5	840.0	848.3	842.4	830.6	834.2
50°	759.1	760.3	759.1	763.8	763.8	776.7	784.9	793.2	799.0	784.9	768.5
52.5°	700.5	699.3	700.5	703.9	708.6	714.5	728.6	736.8	746.2	738.0	712.2
55°	641.8	644.2	641.8	642.9	645.3	648.8	669.9	678.2	695.7	685.2	658.2
57.5°	583.1	579.6	583.1	585.5	586.6	590.2	607.7	623.0	633.6	634.7	601.9
60°	515.0	510.3	515.0	525.6	528.0	530.3	546.7	560.9	570.2	573.7	539.7
62.5°	455.2	447.0	455.2	462.3	467.0	472.9	484.6	505.7	513.9	515.0	467.0
65°	391.9	388.3	391.9	405.9	407.1	414.2	427.0	442.3	459.9	457.6	388.3
67.5°	334.4	334.4	334.4	343.7	350.8	354.3	370.7	377.8	400.0	402.4	323.9
70°	281.6	280.4	281.6	288.6	293.3	301.6	316.7	325.0	342.6	348.5	262.8
72.5°	231.1	230.0	231.1	237.0	241.7	248.7	261.6	271.0	286.3	293.3	204.2
75°	186.6	184.2	186.6	191.3	190.0	199.4	210.0	219.4	233.5	238.2	151.3
77.5°	143.1	143.1	143.1	147.9	147.9	157.2	161.9	173.6	181.9	188.9	111.4
80°	106.7	105.6	106.7	108.0	108.0	112.6	120.9	129.0	136.1	136.1	76.3
82.5°	75.1	72.7	75.1	75.1	75.1	77.4	82.1	84.4	89.2	92.7	48.1
85°	46.9	46.9	46.9	48.1	46.9	49.3	50.4	52.8	52.8	50.4	29.3
87.5°	30.5	29.3	30.5	29.3	29.3	28.1	28.1	28.1	27.0	25.8	16.4
90°	10.5	10.5	10.5	10.5	10.5	13.9	18.6	21.0	18.0	12.2	7.7
92.5°	41.9	33.6	41.9	50.3	52.3	74.1	103.3	117.8	103.5	74.7	53.1
95°	146.1	120.9	146.1	171.2	177.5	233.1	307.2	344.4	290.8	183.8	103.5
97.5°	350.0	302.0	350.0	397.9	409.9	445.1	491.9	515.3	426.1	247.6	113.7
100°	504.2	447.0	504.2	561.3	575.6	573.0	569.6	567.9	468.9	270.8	122.2
102.5°	655.9	606.9	655.9	704.8	717.1	672.3	612.6	582.8	482.4	281.4	130.7
105°	849.4	823.1	849.4	875.7	882.2	781.9	648.1	581.1	483.9	289.3	143.4
107.5°	976.1	982.5	976.1	969.7	968.1	828.1	641.4	548.1	462.3	290.8	162.1
110°	1024.4	1051.8	1024.4	997.0	990.1	833.6	624.9	520.5	443.2	288.6	172.6





TEST NUMBER: P934874

CATALOG NUMBER: SQ4-FA-075U-100D-940-1D-UNV-STD-W-4

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	1028.7	1070.8	1028.7	986.7	976.1	815.9	602.3	495.5	426.6	288.7	185.2
115°	1001.5	1059.8	1001.5	943.1	928.5	774.2	568.4	465.5	407.4	291.4	204.2
117.5°	943.6	1008.3	943.6	878.9	862.7	723.4	537.7	444.8	395.4	296.8	222.7
120°	897.0	959.8	897.0	834.1	818.4	691.1	521.4	436.5	391.4	301.1	233.5
122.5°	851.6	913.7	851.6	789.6	774.1	659.4	506.6	430.2	389.3	307.4	246.1
125°	786.9	844.0	786.9	729.8	715.5	618.1	488.3	423.4	387.6	316.0	262.3
127.5°	728.6	776.8	728.6	680.5	668.4	584.8	473.4	417.6	386.6	324.6	278.0
130°	694.3	738.8	694.3	649.7	638.6	564.2	465.0	415.4	387.2	330.8	288.5
132.5°	663.2	703.0	663.2	623.3	613.3	546.7	457.9	413.5	387.6	335.8	297.0
135°	620.5	654.9	620.5	586.2	577.6	521.8	447.4	410.2	387.3	341.3	306.9
137.5°	586.3	614.4	586.3	558.1	551.1	503.9	441.1	409.6	389.7	349.6	319.6
140°	562.8	589.1	562.8	536.4	529.9	489.1	434.9	407.7	390.0	354.7	328.1
142.5°	543.3	565.9	543.3	520.7	515.0	479.3	431.6	407.7	391.4	358.8	334.4
145°	514.2	531.3	514.2	497.0	492.8	463.4	424.5	404.9	391.4	364.3	344.1
147.5°	491.8	506.0	491.8	477.6	474.0	451.0	420.3	404.9	394.1	372.4	356.2
150°	477.7	489.2	477.7	466.1	463.3	443.8	417.9	404.9	395.5	376.7	362.6
152.5°	465.6	474.3	465.6	456.9	454.7	438.1	416.0	404.9	396.4	379.4	366.7
155°	451.7	457.5	451.7	446.0	444.5	431.3	413.7	404.9	398.4	385.5	375.7
157.5°	440.8	444.8	440.8	436.7	435.7	425.4	411.8	404.9	400.5	391.5	384.9
160°	434.2	436.5	434.2	431.9	431.4	422.6	410.8	404.9	401.4	394.3	388.9
162.5°	430.0	432.2	430.0	427.7	427.2	419.8	409.9	404.9	402.4	397.2	393.4
165°	423.8	426.2	423.8	421.5	420.9	415.6	408.5	404.9	403.8	401.5	399.7
167.5°	419.4	420.4	419.4	418.4	418.2	414.7	410.0	407.7	406.7	404.8	403.2
170°	418.2	418.2	418.2	418.2	418.2	414.7	410.0	407.7	407.6	407.5	407.4
172.5°	414.9	414.0	414.9	415.8	415.9	413.2	409.5	407.7	407.7	407.7	407.7
175°	412.9	412.9	412.9	412.9	412.9	411.1	408.8	407.7	408.2	409.4	410.2
177.5°	411.1	410.2	411.1	412.1	412.4	411.0	409.1	408.2	408.7	409.5	410.2
180°	410.2	410.2	410.2	410.2	410.2	410.2	410.2	410.2	410.2	410.2	410.2



TEST NUMBER: P934874

CATALOG NUMBER: SQ4-FA-075U-100D-940-1D-UNV-STD-W-4

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1240.1	1240.1	1240.1	1240.1	1240.1	1240.1	1240.1	1240.1	1240.1	1240.1	1240.1
2.5°	1257.8	1250.7	1250.7	1238.9	1234.2	1230.8	1224.9	1207.3	1202.6	1197.9	1204.9
5°	1268.3	1255.4	1246.0	1224.9	1207.3	1200.2	1177.9	1135.8	1107.5	1086.5	1074.7
7.5°	1270.6	1254.2	1236.6	1203.8	1161.5	1142.8	1074.7	997.3	976.2	957.4	945.6
10°	1268.3	1249.5	1224.9	1175.6	1075.9	1043.0	974.9	924.5	911.6	908.1	911.6
12.5°	1260.1	1242.5	1208.5	1126.3	986.7	964.5	924.5	895.2	892.9	898.7	930.4
15°	1246.0	1229.6	1189.7	1060.6	937.5	921.0	892.9	882.3	895.2	936.2	1031.3
17.5°	1231.9	1213.2	1163.9	996.1	899.9	888.2	868.2	889.3	962.1	1017.2	1048.9
20°	1213.2	1190.9	1134.5	949.2	872.9	862.3	852.9	948.0	1003.2	1023.1	1040.6
22.5°	1190.9	1167.4	1094.6	916.3	844.8	836.5	842.4	980.9	1003.2	1017.2	1032.5
25°	1161.5	1141.6	1047.8	890.5	822.5	813.1	835.3	977.3	990.2	993.8	1024.2
27.5°	1134.5	1108.8	998.5	867.0	795.5	791.9	841.2	962.1	971.5	974.9	1007.8
30°	1101.7	1062.9	943.3	842.4	767.3	766.2	842.4	943.3	940.9	950.3	983.2
32.5°	1067.6	994.9	881.1	811.9	740.3	739.2	834.2	915.2	912.8	925.7	950.3
35°	1036.0	942.2	796.6	776.7	706.3	707.5	814.2	882.3	883.5	895.2	910.5
37.5°	1003.2	896.3	703.9	738.0	673.5	673.5	787.2	851.8	849.5	852.9	874.1
40°	964.5	824.8	621.9	687.5	642.9	639.4	754.4	818.9	810.7	809.6	838.9
42.5°	923.3	746.2	560.9	620.6	607.7	603.0	714.5	779.0	763.8	767.3	804.9
45°	878.8	725.1	513.9	524.5	571.3	567.9	671.1	733.3	722.7	732.2	770.9
47.5°	834.2	682.9	498.6	435.3	532.6	531.5	623.0	688.7	682.9	692.2	733.3
50°	773.2	635.9	497.5	373.1	489.3	493.9	565.5	645.3	645.3	653.5	696.9
52.5°	694.6	578.4	451.7	337.9	438.8	452.9	515.0	607.7	610.1	618.3	657.0
55°	623.0	518.6	418.9	310.9	379.0	409.5	465.8	569.0	573.7	581.9	617.2
57.5°	557.3	431.7	411.9	279.3	323.9	353.2	422.3	531.5	533.9	540.9	574.9
60°	486.9	312.0	377.8	245.2	275.7	298.0	382.5	486.9	495.1	499.8	529.2
62.5°	407.1	226.4	342.6	221.7	252.3	257.0	349.6	444.6	455.2	458.7	476.3
65°	289.8	190.0	291.0	201.8	227.6	228.7	314.4	401.3	410.6	416.5	429.4
67.5°	195.9	154.9	221.7	183.0	208.9	210.0	280.4	350.8	363.7	368.4	376.6
70°	136.1	103.3	164.3	163.1	187.7	190.0	244.0	305.0	316.7	320.3	325.0
72.5°	99.7	83.3	136.1	146.7	165.4	167.7	206.5	253.4	265.2	268.7	271.0
75°	76.3	88.0	110.3	127.9	140.7	142.0	169.0	206.5	214.7	217.0	218.2
77.5°	61.0	82.1	81.0	103.3	115.0	112.6	132.6	159.6	166.6	166.6	166.6
80°	45.7	64.6	61.0	73.9	84.4	82.1	95.0	113.8	116.2	118.5	117.3
82.5°	34.0	41.0	41.0	46.9	56.3	54.0	63.3	73.9	73.9	73.9	76.3
85°	21.1	23.4	18.7	24.6	31.7	30.5	35.2	39.9	41.0	41.0	38.7
87.5°	12.9	10.6	5.9	9.4	14.1	14.1	16.4	17.6	16.4	16.4	16.4
90°	7.2	5.0	2.8	5.0	7.2	7.7	12.2	18.0	21.0	18.6	13.9
92.5°	48.4	29.7	11.0	29.7	48.4	53.1	74.7	103.5	117.8	103.3	74.1
95°	95.0	60.7	26.5	60.7	95.0	103.5	183.8	290.8	344.4	307.2	233.1
97.5°	106.1	75.9	45.7	75.9	106.1	113.7	247.6	426.1	515.3	491.9	445.1
100°	115.4	87.9	60.6	87.9	115.4	122.2	270.8	468.9	567.9	569.6	573.0
102.5°	124.3	98.8	73.3	98.8	124.3	130.7	281.4	482.4	582.8	612.6	672.3
105°	138.0	116.3	94.7	116.3	138.0	143.4	289.3	483.9	581.1	648.1	781.9
107.5°	157.1	136.9	116.7	136.9	157.1	162.1	290.8	462.3	548.1	641.4	828.1
110°	168.1	149.8	131.6	149.8	168.1	172.6	288.6	443.2	520.5	624.9	833.6



TEST NUMBER: P934874

CATALOG NUMBER: SQ4-FA-075U-100D-940-1D-UNV-STD-W-4

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	180.9	163.6	146.2	163.6	180.9	185.2	288.7	426.6	495.5	602.3	815.9
115°	200.2	184.2	168.2	184.2	200.2	204.2	291.4	407.4	465.5	568.4	774.2
117.5°	219.1	204.5	189.9	204.5	219.1	222.7	296.8	395.4	444.8	537.7	723.4
120°	230.0	216.3	202.6	216.3	230.0	233.5	301.1	391.4	436.5	521.4	691.1
122.5°	242.6	228.8	215.0	228.8	242.6	246.1	307.4	389.3	430.2	506.6	659.4
125°	259.2	246.6	234.0	246.6	259.2	262.3	316.0	387.6	423.4	488.3	618.1
127.5°	274.8	262.1	249.4	262.1	274.8	278.0	324.6	386.6	417.6	473.4	584.8
130°	285.0	271.4	257.7	271.4	285.0	288.5	330.8	387.2	415.4	465.0	564.2
132.5°	293.6	279.9	266.2	279.9	293.6	297.0	335.8	387.6	413.5	457.9	546.7
135°	303.8	291.3	278.8	291.3	303.8	306.9	341.3	387.3	410.2	447.4	521.8
137.5°	316.5	304.1	291.8	304.1	316.5	319.6	349.6	389.7	409.6	441.1	503.9
140°	325.3	313.9	302.5	313.9	325.3	328.1	354.7	390.0	407.7	434.9	489.1
142.5°	331.8	321.3	310.8	321.3	331.8	334.4	358.8	391.4	407.7	431.6	479.3
145°	341.8	332.6	323.4	332.6	341.8	344.1	364.3	391.4	404.9	424.5	463.4
147.5°	354.0	345.0	336.1	345.0	354.0	356.2	372.4	394.1	404.9	420.3	451.0
150°	360.5	352.4	344.4	352.4	360.5	362.6	376.7	395.5	404.9	417.9	443.8
152.5°	365.1	359.0	352.9	359.0	365.1	366.7	379.4	396.4	404.9	416.0	438.1
155°	374.6	370.1	365.6	370.1	374.6	375.7	385.5	398.4	404.9	413.7	431.3
157.5°	383.8	379.4	374.9	379.4	383.8	384.9	391.5	400.5	404.9	411.8	425.4
160°	388.1	384.7	381.2	384.7	388.1	388.9	394.3	401.4	404.9	410.8	422.6
162.5°	392.8	390.2	387.6	390.2	392.8	393.4	397.2	402.4	404.9	409.9	419.8
165°	399.1	396.8	394.4	396.8	399.1	399.7	401.5	403.8	404.9	408.5	415.6
167.5°	403.0	401.8	400.8	401.8	403.0	403.2	404.8	406.7	407.7	410.0	414.7
170°	407.1	406.0	404.9	406.0	407.1	407.4	407.5	407.6	407.7	410.0	414.7
172.5°	407.6	407.4	407.1	407.4	407.6	407.7	407.7	407.7	407.7	409.5	413.2
175°	410.2	410.2	410.2	410.2	410.2	410.2	409.4	408.2	407.7	408.8	411.1
177.5°	410.2	410.2	410.2	410.2	410.2	410.2	409.5	408.7	408.2	409.1	411.0
180°	410.2	410.2	410.2	410.2	410.2	410.2	410.2	410.2	410.2	410.2	410.2



TEST NUMBER: P934874

CATALOG NUMBER: SQ4-FA-075U-100D-940-1D-UNV-STD-W-4

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1240.1	1240.1	1240.1	1240.1	1240.1	1240.1	1240.1	1240.1	1240.1	1240.1	1240.1
2.5°	1196.8	1193.2	1197.9	1184.9	1197.9	1193.2	1196.8	1204.9	1197.9	1202.6	1207.3
5°	1050.1	1044.2	1025.5	1010.2	1025.5	1044.2	1050.1	1074.7	1086.5	1107.5	1135.8
7.5°	938.6	933.9	929.2	919.8	929.2	933.9	938.6	945.6	957.4	976.2	997.3
10°	913.9	915.2	922.2	921.0	922.2	915.2	913.9	911.6	908.1	911.6	924.5
12.5°	977.3	987.9	1026.6	1024.2	1026.6	987.9	977.3	930.4	898.7	892.9	895.2
15°	1050.1	1053.6	1061.8	1062.9	1061.8	1053.6	1050.1	1031.3	936.2	895.2	882.3
17.5°	1057.1	1058.3	1064.2	1064.2	1064.2	1058.3	1057.1	1048.9	1017.2	962.1	889.3
20°	1051.2	1053.6	1065.3	1067.6	1065.3	1053.6	1051.2	1040.6	1023.1	1003.2	948.0
22.5°	1048.9	1053.6	1062.9	1061.8	1062.9	1053.6	1048.9	1032.5	1017.2	1003.2	980.9
25°	1037.2	1037.2	1038.3	1039.5	1038.3	1037.2	1037.2	1024.2	993.8	990.2	977.3
27.5°	1012.5	1014.9	1021.9	1020.8	1021.9	1014.9	1012.5	1007.8	974.9	971.5	962.1
30°	990.2	987.9	982.0	977.3	982.0	987.9	990.2	983.2	950.3	940.9	943.3
32.5°	952.6	946.8	940.9	937.5	940.9	946.8	952.6	950.3	925.7	912.8	915.2
35°	908.1	909.3	908.1	904.6	908.1	909.3	908.1	910.5	895.2	883.5	882.3
37.5°	876.5	878.8	877.6	872.9	877.6	878.8	876.5	874.1	852.9	849.5	851.8
40°	843.6	844.8	843.6	840.0	843.6	844.8	843.6	838.9	809.6	810.7	818.9
42.5°	811.9	810.7	807.2	804.9	807.2	810.7	811.9	804.9	767.3	763.8	779.0
45°	775.5	776.7	769.6	766.2	769.6	776.7	775.5	770.9	732.2	722.7	733.3
47.5°	739.2	739.2	733.3	729.8	733.3	739.2	739.2	733.3	692.2	682.9	688.7
50°	700.5	699.3	691.0	689.9	691.0	699.3	700.5	696.9	653.5	645.3	645.3
52.5°	655.9	655.9	657.0	659.3	657.0	655.9	655.9	657.0	618.3	610.1	607.7
55°	617.2	618.3	626.5	628.9	626.5	618.3	617.2	617.2	581.9	573.7	569.0
57.5°	577.2	577.2	583.1	583.1	583.1	577.2	577.2	574.9	540.9	533.9	531.5
60°	531.5	533.9	538.5	537.3	538.5	533.9	531.5	529.2	499.8	495.1	486.9
62.5°	483.3	485.7	486.9	484.6	486.9	485.7	483.3	476.3	458.7	455.2	444.6
65°	432.9	435.3	436.5	434.1	436.5	435.3	432.9	429.4	416.5	410.6	401.3
67.5°	381.3	380.2	379.0	383.6	379.0	380.2	381.3	376.6	368.4	363.7	350.8
70°	328.5	328.5	327.3	329.7	327.3	328.5	328.5	325.0	320.3	316.7	305.0
72.5°	272.2	271.0	275.7	272.2	275.7	271.0	272.2	271.0	268.7	265.2	253.4
75°	217.0	219.4	217.0	220.6	217.0	219.4	217.0	218.2	217.0	214.7	206.5
77.5°	165.4	167.7	165.4	165.4	165.4	167.7	165.4	166.6	166.6	166.6	159.6
80°	117.3	116.2	116.2	115.0	116.2	116.2	117.3	117.3	118.5	116.2	113.8
82.5°	75.1	73.9	73.9	76.3	73.9	73.9	75.1	76.3	73.9	73.9	73.9
85°	41.0	42.3	39.9	39.9	39.9	42.3	41.0	38.7	41.0	41.0	39.9
87.5°	15.3	14.1	14.1	14.1	14.1	14.1	15.3	16.4	16.4	16.4	17.6
90°	10.5	10.5	10.5	10.5	10.5	10.5	10.5	13.9	18.6	21.0	18.0
92.5°	52.3	50.3	41.9	33.6	41.9	50.3	52.3	74.1	103.3	117.8	103.5
95°	177.5	171.2	146.1	120.9	146.1	171.2	177.5	233.1	307.2	344.4	290.8
97.5°	409.9	397.9	350.0	302.0	350.0	397.9	409.9	445.1	491.9	515.3	426.1
100°	575.6	561.3	504.2	447.0	504.2	561.3	575.6	573.0	569.6	567.9	468.9
102.5°	717.1	704.8	655.9	606.9	655.9	704.8	717.1	672.3	612.6	582.8	482.4
105°	882.2	875.7	849.4	823.1	849.4	875.7	882.2	781.9	648.1	581.1	483.9
107.5°	968.1	969.7	976.1	982.5	976.1	969.7	968.1	828.1	641.4	548.1	462.3
110°	990.1	997.0	1024.4	1051.8	1024.4	997.0	990.1	833.6	624.9	520.5	443.2



TEST NUMBER: P934874

CATALOG NUMBER: SQ4-FA-075U-100D-940-1D-UNV-STD-W-4

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	976.1	986.7	1028.7	1070.8	1028.7	986.7	976.1	815.9	602.3	495.5	426.6
115°	928.5	943.1	1001.5	1059.8	1001.5	943.1	928.5	774.2	568.4	465.5	407.4
117.5°	862.7	878.9	943.6	1008.3	943.6	878.9	862.7	723.4	537.7	444.8	395.4
120°	818.4	834.1	897.0	959.8	897.0	834.1	818.4	691.1	521.4	436.5	391.4
122.5°	774.1	789.6	851.6	913.7	851.6	789.6	774.1	659.4	506.6	430.2	389.3
125°	715.5	729.8	786.9	844.0	786.9	729.8	715.5	618.1	488.3	423.4	387.6
127.5°	668.4	680.5	728.6	776.8	728.6	680.5	668.4	584.8	473.4	417.6	386.6
130°	638.6	649.7	694.3	738.8	694.3	649.7	638.6	564.2	465.0	415.4	387.2
132.5°	613.3	623.3	663.2	703.0	663.2	623.3	613.3	546.7	457.9	413.5	387.6
135°	577.6	586.2	620.5	654.9	620.5	586.2	577.6	521.8	447.4	410.2	387.3
137.5°	551.1	558.1	586.3	614.4	586.3	558.1	551.1	503.9	441.1	409.6	389.7
140°	529.9	536.4	562.8	589.1	562.8	536.4	529.9	489.1	434.9	407.7	390.0
142.5°	515.0	520.7	543.3	565.9	543.3	520.7	515.0	479.3	431.6	407.7	391.4
145°	492.8	497.0	514.2	531.3	514.2	497.0	492.8	463.4	424.5	404.9	391.4
147.5°	474.0	477.6	491.8	506.0	491.8	477.6	474.0	451.0	420.3	404.9	394.1
150°	463.3	466.1	477.7	489.2	477.7	466.1	463.3	443.8	417.9	404.9	395.5
152.5°	454.7	456.9	465.6	474.3	465.6	456.9	454.7	438.1	416.0	404.9	396.4
155°	444.5	446.0	451.7	457.5	451.7	446.0	444.5	431.3	413.7	404.9	398.4
157.5°	435.7	436.7	440.8	444.8	440.8	436.7	435.7	425.4	411.8	404.9	400.5
160°	431.4	431.9	434.2	436.5	434.2	431.9	431.4	422.6	410.8	404.9	401.4
162.5°	427.2	427.7	430.0	432.2	430.0	427.7	427.2	419.8	409.9	404.9	402.4
165°	420.9	421.5	423.8	426.2	423.8	421.5	420.9	415.6	408.5	404.9	403.8
167.5°	418.2	418.4	419.4	420.4	419.4	418.4	418.2	414.7	410.0	407.7	406.7
170°	418.2	418.2	418.2	418.2	418.2	418.2	418.2	414.7	410.0	407.7	407.6
172.5°	415.9	415.8	414.9	414.0	414.9	415.8	415.9	413.2	409.5	407.7	407.7
175°	412.9	412.9	412.9	412.9	412.9	412.9	412.9	411.1	408.8	407.7	408.2
177.5°	412.4	412.1	411.1	410.2	411.1	412.1	412.4	411.0	409.1	408.2	408.7
180°	410.2	410.2	410.2	410.2	410.2	410.2	410.2	410.2	410.2	410.2	410.2



TEST NUMBER: P934874

CATALOG NUMBER: SQ4-FA-075U-100D-940-1D-UNV-STD-W-4

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	1240.1	1240.1	1240.1	1240.1	1240.1
2.5°	1224.9	1230.8	1234.2	1238.9	1250.7
5°	1177.9	1200.2	1207.3	1224.9	1246.0
7.5°	1074.7	1142.8	1161.5	1203.8	1236.6
10°	974.9	1043.0	1075.9	1175.6	1224.9
12.5°	924.5	964.5	986.7	1126.3	1208.5
15°	892.9	921.0	937.5	1060.6	1189.7
17.5°	868.2	888.2	899.9	996.1	1163.9
20°	852.9	862.3	872.9	949.2	1134.5
22.5°	842.4	836.5	844.8	916.3	1094.6
25°	835.3	813.1	822.5	890.5	1047.8
27.5°	841.2	791.9	795.5	867.0	998.5
30°	842.4	766.2	767.3	842.4	943.3
32.5°	834.2	739.2	740.3	811.9	881.1
35°	814.2	707.5	706.3	776.7	796.6
37.5°	787.2	673.5	673.5	738.0	703.9
40°	754.4	639.4	642.9	687.5	621.9
42.5°	714.5	603.0	607.7	620.6	560.9
45°	671.1	567.9	571.3	524.5	513.9
47.5°	623.0	531.5	532.6	435.3	498.6
50°	565.5	493.9	489.3	373.1	497.5
52.5°	515.0	452.9	438.8	337.9	451.7
55°	465.8	409.5	379.0	310.9	418.9
57.5°	422.3	353.2	323.9	279.3	411.9
60°	382.5	298.0	275.7	245.2	377.8
62.5°	349.6	257.0	252.3	221.7	342.6
65°	314.4	228.7	227.6	201.8	291.0
67.5°	280.4	210.0	208.9	183.0	221.7
70°	244.0	190.0	187.7	163.1	164.3
72.5°	206.5	167.7	165.4	146.7	136.1
75°	169.0	142.0	140.7	127.9	110.3
77.5°	132.6	112.6	115.0	103.3	81.0
80°	95.0	82.1	84.4	73.9	61.0
82.5°	63.3	54.0	56.3	46.9	41.0
85°	35.2	30.5	31.7	24.6	18.7
87.5°	16.4	14.1	14.1	9.4	5.9
90°	12.2	7.7	7.2	5.0	2.8
92.5°	74.7	53.1	48.4	29.7	11.0
95°	183.8	103.5	95.0	60.7	26.5
97.5°	247.6	113.7	106.1	75.9	45.7
100°	270.8	122.2	115.4	87.9	60.6
102.5°	281.4	130.7	124.3	98.8	73.3
105°	289.3	143.4	138.0	116.3	94.7
107.5°	290.8	162.1	157.1	136.9	116.7
110°	288.6	172.6	168.1	149.8	131.6



TEST NUMBER: P934874

CATALOG NUMBER: SQ4-FA-075U-100D-940-1D-UNV-STD-W-4

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	288.7	185.2	180.9	163.6	146.2
115°	291.4	204.2	200.2	184.2	168.2
117.5°	296.8	222.7	219.1	204.5	189.9
120°	301.1	233.5	230.0	216.3	202.6
122.5°	307.4	246.1	242.6	228.8	215.0
125°	316.0	262.3	259.2	246.6	234.0
127.5°	324.6	278.0	274.8	262.1	249.4
130°	330.8	288.5	285.0	271.4	257.7
132.5°	335.8	297.0	293.6	279.9	266.2
135°	341.3	306.9	303.8	291.3	278.8
137.5°	349.6	319.6	316.5	304.1	291.8
140°	354.7	328.1	325.3	313.9	302.5
142.5°	358.8	334.4	331.8	321.3	310.8
145°	364.3	344.1	341.8	332.6	323.4
147.5°	372.4	356.2	354.0	345.0	336.1
150°	376.7	362.6	360.5	352.4	344.4
152.5°	379.4	366.7	365.1	359.0	352.9
155°	385.5	375.7	374.6	370.1	365.6
157.5°	391.5	384.9	383.8	379.4	374.9
160°	394.3	388.9	388.1	384.7	381.2
162.5°	397.2	393.4	392.8	390.2	387.6
165°	401.5	399.7	399.1	396.8	394.4
167.5°	404.8	403.2	403.0	401.8	400.8
170°	407.5	407.4	407.1	406.0	404.9
172.5°	407.7	407.7	407.6	407.4	407.1
175°	409.4	410.2	410.2	410.2	410.2
177.5°	409.5	410.2	410.2	410.2	410.2
180°	410.2	410.2	410.2	410.2	410.2



TEST NUMBER: P934874  
 CATALOG NUMBER: SQ4-FA-075U-100D-940-1D-UNV-STD-W-4

**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	13.71	14.61	14.62	15.55	16.75	16.51	17.41	17.42	18.35	19.55
	3H	14.19	15.00	15.12	15.95	17.17	17.85	18.66	18.77	19.60	20.83
	4H	14.38	15.15	15.33	16.10	17.33	18.29	19.05	19.23	20.00	21.24
	6H	14.51	15.21	15.46	16.17	17.41	18.57	19.27	19.52	20.23	21.47
	8H	14.51	15.18	15.47	16.15	17.40	18.64	19.31	19.60	20.28	21.53
	12H	14.48	15.12	15.45	16.09	17.36	18.67	19.31	19.64	20.28	21.55
4H	2H	14.74	15.51	15.69	16.46	17.69	16.92	17.69	17.87	18.64	19.87
	3H	15.77	16.41	16.73	17.39	18.64	18.42	19.06	19.38	20.04	21.29
	4H	16.05	16.63	17.02	17.61	18.88	18.95	19.53	19.91	20.50	21.78
	6H	16.18	16.68	17.16	17.68	18.95	19.31	19.81	20.29	20.81	22.08
	8H	16.18	16.65	17.17	17.64	18.93	19.41	19.88	20.39	20.87	22.16
	12H	16.15	16.58	17.15	17.58	18.88	19.46	19.89	20.46	20.89	22.19
8H	4H	16.50	16.97	17.48	17.96	19.25	19.08	19.55	20.06	20.54	21.82
	6H	16.76	17.15	17.77	18.18	19.47	19.51	19.89	20.51	20.93	22.21
	8H	16.81	17.15	17.82	18.17	19.47	19.65	20.00	20.67	21.01	22.32
	12H	16.79	17.10	17.81	18.11	19.46	19.75	20.05	20.77	21.06	22.41
12H	4H	16.51	16.93	17.51	17.94	19.23	19.04	19.47	20.04	20.47	21.76
	6H	16.82	17.17	17.84	18.19	19.49	19.50	19.85	20.52	20.87	22.17
	8H	16.89	17.19	17.91	18.21	19.56	19.66	19.96	20.68	20.98	22.33