

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: P934224

Luminaire Tested: SQ4-FA-050U-050D-927-1D-UNV-STD-W-8

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934224
REPORT IS A COMBINATION OF REPORTS P933692 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-050U-050D-927-1D-UNV-STD-W-8
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

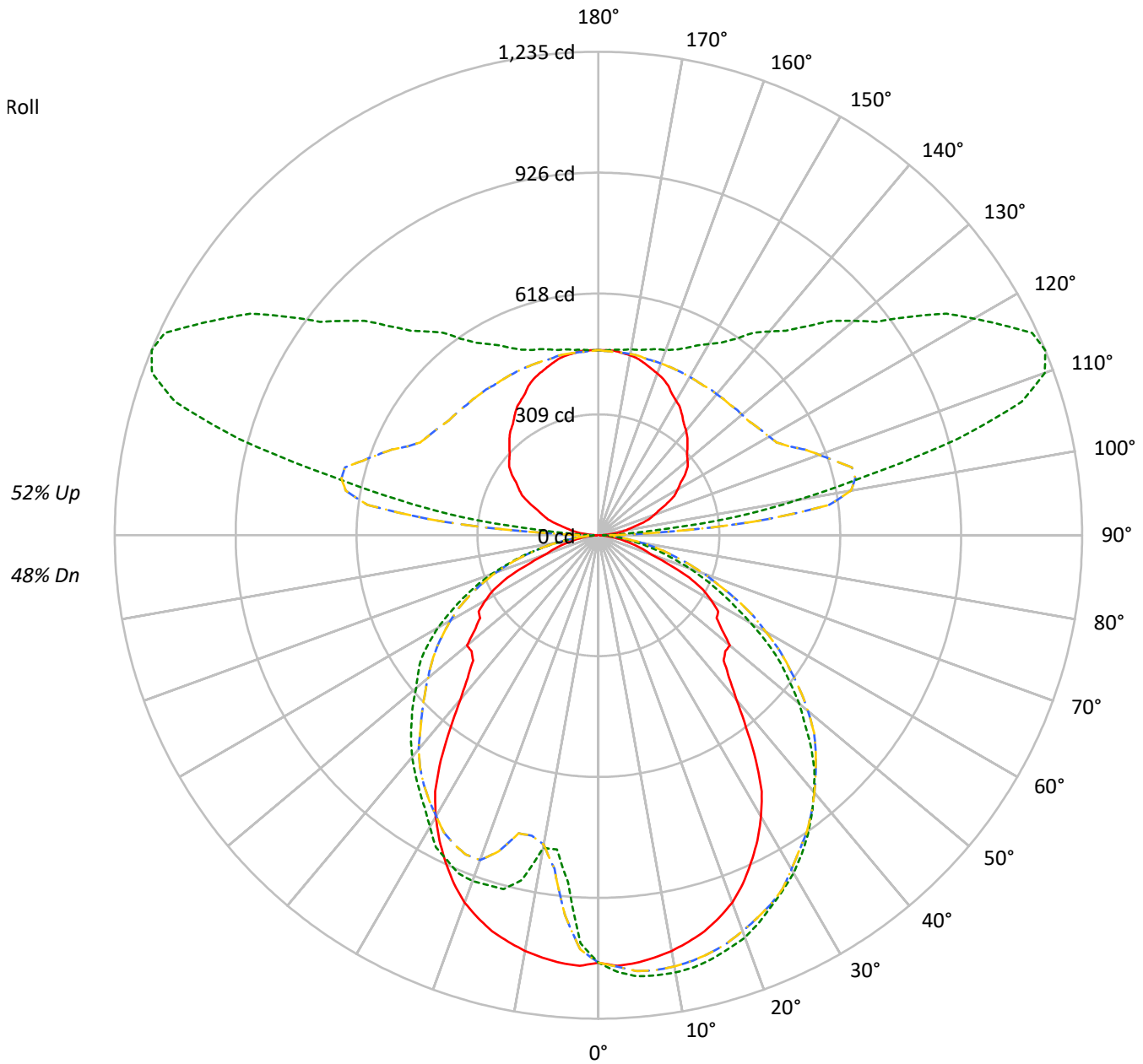
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5898.2 lumens
Efficiency: N/A
Efficacy: 103.8 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 8' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 56.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P934224
CATALOG NUMBER: SQ4-FA-050U-050D-927-1D-UNV-STD-W-8

Luminous Intensity Polar Plot



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

TEST NUMBER: P934224
 CATALOG NUMBER: SQ4-FA-050U-050D-927-1D-UNV-STD-W-8

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	50	30	10	0		
RCR																										
0	107	107	107	107	98	98	98	98	82	82	82	68	68	68	54	54	54	48	48	48	48	48	48	48		
1	97	93	89	86	89	86	83	80	72	70	68	60	58	56	48	47	46	41	41	41	41	41	41	41		
2	89	81	75	70	81	75	70	65	63	59	56	52	50	47	42	40	39	34	34	34	34	34	34	34		
3	81	71	64	58	74	66	60	55	56	51	47	46	43	40	38	35	33	29	29	29	29	29	29	29		
4	74	63	55	49	68	58	52	46	50	44	40	41	37	34	33	31	28	25	25	25	25	25	25	25		
5	68	56	48	42	62	52	45	40	44	39	35	37	33	30	30	27	25	21	21	21	21	21	21	21		
6	62	50	42	37	57	47	40	34	40	34	30	33	29	26	27	24	22	19	19	19	19	19	19	19		
7	58	45	38	32	53	42	35	30	36	30	26	30	26	23	25	22	19	17	17	17	17	17	17	17		
8	54	41	34	28	49	38	31	27	33	27	23	28	23	20	23	20	17	15	15	15	15	15	15	15		
9	50	38	30	25	46	35	28	24	30	25	21	25	21	18	21	18	16	13	13	13	13	13	13	13		
10	47	34	27	22	43	32	26	21	28	22	19	23	19	16	20	16	14	12	12	12	12	12	12	12		

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	5065	5065	5065	5065
5°	5103	5113	5103	4020
10°	5068	5037	5068	3600
15°	5014	4927	5014	4114
20°	4909	4798	4909	4123
25°	4694	4609	4694	4036
30°	4417	4453	4417	3844
35°	3937	4255	3937	3633
40°	3281	4022	3281	3474
45°	2932	3749	2932	3290
50°	3114	3424	3114	3107
55°	2930	3073	2930	3000
60°	3021	2610	3021	2748
65°	2738	2158	2738	2412
70°	1896	1720	1896	2021
75°	1663	1271	1663	1522
80°	1340	840	1340	915
85°	773	445	773	378

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 4493 cd/sqm



TEST NUMBER: P934224

CATALOG NUMBER: SQ4-FA-050U-050D-927-1D-UNV-STD-W-8

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.5	1.7
10°-20°	279.8	4.7
20°-30°	432.5	7.3
30°-40°	516.3	8.8
40°-50°	519.3	8.8
50°-60°	451.9	7.7
60°-70°	320.4	5.4
70°-80°	169.5	2.9
80°-90°	44.0	0.7
90°-100°	230.5	3.9
100°-110°	606.1	10.3
110°-120°	628.5	10.7
120°-130°	504.1	8.5
130°-140°	395.5	6.7
140°-150°	303.6	5.1
150°-160°	218.6	3.7
160°-170°	133.8	2.3
170°-180°	45.2	0.8
0°-30°	810.8	13.7
0°-40°	1327.2	22.5
0°-60°	2298.4	39.0
0°-90°	2832.3	48.0
90°-120°	1465.1	24.8
90°-150°	2668.3	45.2
90°-180°	3066.0	52.0
0°-180°	5898.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1092	1092	1092	1092	1092	
5°	1097	1131	1097	889	1097	104
15°	1047	1121	1047	936	1047	295
25°	922	1045	922	915	922	423
35°	701	933	701	796	701	434
45°	452	768	452	674	452	362
55°	369	567	369	554	369	339
65°	256	342	256	382	256	245
75°	97	162	97	194	97	102
85°	17	41	17	35	17	22
90°	3	12	3	12	3	3
95°	30	139	30	139	30	34
105°	109	949	109	949	109	116
115°	194	1222	194	1222	194	192
125°	270	973	270	973	270	240
135°	322	755	322	755	322	249
145°	373	613	373	613	373	234
155°	422	528	422	528	422	194
165°	455	491	455	491	455	128
175°	473	476	473	476	473	45
180°	473	473	473	473	473	



TEST NUMBER: P934224

CATALOG NUMBER: SQ4-FA-050U-050D-927-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1091.7	1091.7	1091.7	1091.7	1091.7	1091.7	1091.7	1091.7	1091.7	1091.7	1091.7
2.5°	1100.9	1100.9	1107.2	1109.3	1109.3	1106.1	1103.0	1106.1	1115.4	1118.5	1117.5
5°	1096.9	1105.1	1116.5	1118.5	1120.6	1119.6	1117.5	1119.6	1129.9	1132.0	1133.0
7.5°	1088.5	1104.1	1118.5	1121.7	1124.7	1121.7	1120.6	1122.7	1133.0	1135.1	1135.1
10°	1078.2	1099.9	1116.5	1118.5	1121.7	1118.5	1118.5	1122.7	1133.0	1135.1	1136.1
12.5°	1063.8	1093.7	1109.3	1111.3	1115.4	1114.4	1113.3	1117.5	1127.8	1129.9	1129.9
15°	1047.3	1082.4	1096.9	1098.9	1106.1	1104.1	1104.1	1108.2	1119.6	1122.7	1121.7
17.5°	1024.6	1067.9	1084.5	1087.5	1092.7	1091.7	1092.7	1096.9	1107.2	1109.3	1110.3
20°	998.7	1048.3	1067.9	1071.0	1076.2	1076.2	1076.2	1081.3	1091.7	1095.8	1095.8
22.5°	963.6	1027.6	1048.3	1050.4	1056.6	1056.6	1058.6	1065.8	1075.2	1076.2	1076.2
25°	922.3	1004.9	1022.5	1028.6	1034.9	1038.0	1041.0	1045.2	1048.3	1047.3	1048.3
27.5°	879.0	976.0	998.7	1002.8	1011.1	1014.2	1018.3	1019.4	1020.4	1023.5	1021.5
30°	830.4	935.7	969.8	974.0	987.4	989.4	985.3	987.4	992.5	994.6	996.7
32.5°	775.6	875.8	939.9	949.2	961.6	955.3	954.3	957.4	965.7	965.7	967.7
35°	701.2	829.4	912.0	920.2	929.5	922.3	926.5	927.5	932.6	935.7	934.7
37.5°	619.7	789.1	883.0	889.3	896.5	887.2	893.4	896.5	900.6	898.5	898.5
40°	547.4	726.0	849.0	853.1	859.3	852.1	858.2	860.3	862.4	860.3	859.3
42.5°	493.6	656.9	812.8	818.0	813.8	819.0	821.1	825.2	822.1	818.0	818.0
45°	452.4	638.3	773.5	779.8	773.5	781.9	784.9	784.9	775.6	773.5	772.5
47.5°	439.0	601.1	734.3	734.3	731.2	741.6	746.7	739.5	730.2	727.1	727.1
50°	437.9	559.8	680.6	676.5	690.9	703.3	698.2	690.9	683.7	672.4	672.4
52.5°	397.6	509.2	611.5	626.9	649.6	656.9	648.6	641.4	629.0	623.8	619.7
55°	368.7	456.5	548.4	579.4	603.1	612.5	597.0	589.7	571.1	568.0	566.0
57.5°	362.5	380.1	490.6	529.8	558.7	557.7	548.4	535.0	519.5	516.4	515.4
60°	332.6	274.7	428.6	475.1	505.0	502.0	493.6	481.2	466.9	464.8	462.7
62.5°	301.6	199.4	358.4	411.0	453.4	452.4	445.1	426.6	416.2	411.0	406.9
65°	256.1	167.3	255.1	341.9	402.8	404.9	389.4	375.9	364.6	358.4	357.4
67.5°	195.2	136.4	172.5	285.1	354.3	352.2	332.6	326.4	311.9	308.8	302.6
70°	144.6	90.9	119.8	231.4	306.8	301.6	286.1	278.9	265.4	258.2	254.1
72.5°	119.8	73.3	87.8	179.7	258.2	252.0	238.5	230.3	219.0	212.8	208.6
75°	97.1	77.5	67.1	133.2	209.7	205.5	193.1	184.9	175.6	167.3	168.3
77.5°	71.3	72.3	53.7	98.1	166.3	160.1	152.8	142.5	138.4	130.1	130.1
80°	53.7	56.8	40.3	67.1	119.8	119.8	113.6	106.4	99.2	95.0	95.0
82.5°	36.1	36.1	30.0	42.4	81.6	78.5	74.4	72.3	68.1	66.1	66.1
85°	16.6	20.6	18.6	25.8	44.4	46.5	46.5	44.4	43.4	41.3	42.4
87.5°	5.2	9.3	11.4	14.5	22.7	23.8	24.8	24.8	24.8	25.8	25.8
90°	3.2	5.7	8.2	8.9	13.9	20.7	24.1	21.4	16.1	12.1	12.1
92.5°	12.7	34.3	55.9	61.3	86.2	119.3	135.8	119.0	85.5	60.3	57.9
95°	30.5	70.0	109.5	119.4	211.9	335.3	397.1	354.4	268.9	204.7	197.5
97.5°	52.7	87.5	122.4	131.1	285.4	491.3	594.2	567.2	513.1	472.6	458.8
100°	69.8	101.4	133.0	140.9	312.2	540.6	654.8	656.8	660.7	663.7	647.2
102.5°	84.5	114.0	143.4	150.8	324.5	556.2	672.0	706.4	775.2	826.8	812.7
105°	109.2	134.1	159.2	165.4	333.6	557.9	670.1	747.2	901.6	1017.3	1009.7
107.5°	134.6	157.8	181.1	187.0	335.3	533.1	631.9	739.6	954.9	1116.3	1118.2
110°	151.7	172.7	193.8	199.0	332.8	511.0	600.2	720.6	961.2	1141.7	1149.6



TEST NUMBER: P934224

CATALOG NUMBER: SQ4-FA-050U-050D-927-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	168.6	188.6	208.6	213.6	332.9	491.9	571.3	694.5	940.8	1125.5	1137.7
115°	194.0	212.4	230.9	235.5	336.0	469.9	536.8	655.4	892.7	1070.6	1087.4
117.5°	219.0	235.8	252.6	256.8	342.2	456.0	512.9	620.0	834.1	994.8	1013.4
120°	233.6	249.4	265.3	269.2	347.3	451.4	503.4	601.2	796.9	943.6	961.7
122.5°	247.9	263.8	279.7	283.7	354.5	448.9	496.1	584.2	760.5	892.6	910.4
125°	269.8	284.3	298.8	302.5	364.4	446.9	488.2	563.0	712.7	825.0	841.5
127.5°	287.6	302.2	316.9	320.6	374.2	445.8	481.5	545.8	674.3	770.7	784.6
130°	297.1	312.9	328.7	332.6	381.4	446.4	478.9	536.2	650.6	736.4	749.2
132.5°	306.9	322.7	338.6	342.5	387.2	446.9	476.8	528.0	630.4	707.2	718.6
135°	321.6	336.0	350.3	353.9	393.5	446.4	472.9	515.8	601.6	665.9	675.8
137.5°	336.5	350.7	365.0	368.5	403.1	449.2	472.3	508.6	581.1	635.5	643.6
140°	348.8	362.0	375.1	378.4	408.9	449.7	470.1	501.4	564.0	611.0	618.5
142.5°	358.4	370.4	382.6	385.6	413.8	451.3	470.1	497.6	552.6	593.9	600.4
145°	373.0	383.5	394.2	396.8	420.2	451.4	466.9	489.4	534.5	568.2	573.1
147.5°	387.5	397.9	408.2	410.7	429.4	454.5	466.9	484.6	520.0	546.5	550.6
150°	397.1	406.4	415.7	418.0	434.4	456.1	466.9	481.9	511.8	534.2	537.5
152.5°	406.9	414.0	421.0	422.8	437.5	457.1	466.9	479.7	505.2	524.4	526.9
155°	421.5	426.7	432.0	433.3	444.5	459.5	466.9	477.1	497.3	512.6	514.3
157.5°	432.3	437.4	442.4	443.8	451.5	461.8	466.9	474.8	490.6	502.4	503.6
160°	439.6	443.6	447.5	448.5	454.7	462.8	466.9	473.7	487.2	497.3	498.0
162.5°	446.9	449.9	452.8	453.6	458.1	464.0	466.9	472.6	484.1	492.6	493.3
165°	454.8	457.5	460.2	460.8	462.8	465.5	466.9	471.0	479.2	485.3	486.0
167.5°	462.2	463.4	464.7	465.0	466.7	468.9	470.1	472.8	478.2	482.2	482.5
170°	466.9	468.2	469.5	469.8	469.9	470.0	470.1	472.8	478.2	482.2	482.2
172.5°	469.5	469.8	470.0	470.1	470.1	470.1	470.1	472.2	476.5	479.6	479.4
175°	472.9	472.9	472.9	472.9	472.0	470.7	470.1	471.4	474.1	476.1	476.1
177.5°	472.9	472.9	472.9	472.9	472.2	471.2	470.7	471.8	473.9	475.5	475.2
180°	472.9	472.9	472.9	472.9	472.9	472.9	472.9	472.9	472.9	472.9	472.9



TEST NUMBER: P934224

CATALOG NUMBER: SQ4-FA-050U-050D-927-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1091.7	1091.7	1091.7	1091.7	1091.7	1091.7	1091.7	1091.7	1091.7	1091.7	1091.7
2.5°	1119.6	1116.5	1119.6	1117.5	1118.5	1115.4	1106.1	1103.0	1106.1	1109.3	1109.3
5°	1133.0	1130.9	1133.0	1133.0	1132.0	1129.9	1119.6	1117.5	1119.6	1120.6	1118.5
7.5°	1137.1	1134.1	1137.1	1135.1	1135.1	1133.0	1122.7	1120.6	1121.7	1124.7	1121.7
10°	1137.1	1134.1	1137.1	1136.1	1135.1	1133.0	1122.7	1118.5	1118.5	1121.7	1118.5
12.5°	1132.0	1129.9	1132.0	1129.9	1129.9	1127.8	1117.5	1113.3	1114.4	1115.4	1111.3
15°	1123.7	1120.6	1123.7	1121.7	1122.7	1119.6	1108.2	1104.1	1104.1	1106.1	1098.9
17.5°	1111.3	1107.2	1111.3	1110.3	1109.3	1107.2	1096.9	1092.7	1091.7	1092.7	1087.5
20°	1096.9	1093.7	1096.9	1095.8	1095.8	1091.7	1081.3	1076.2	1076.2	1076.2	1071.0
22.5°	1074.2	1071.0	1074.2	1076.2	1076.2	1075.2	1065.8	1058.6	1056.6	1056.6	1050.4
25°	1048.3	1045.2	1048.3	1048.3	1047.3	1048.3	1045.2	1041.0	1038.0	1034.9	1028.6
27.5°	1023.5	1021.5	1023.5	1021.5	1023.5	1020.4	1019.4	1018.3	1014.2	1011.1	1002.8
30°	998.7	996.7	998.7	996.7	994.6	992.5	987.4	985.3	989.4	987.4	974.0
32.5°	967.7	965.7	967.7	967.7	965.7	965.7	957.4	954.3	955.3	961.6	949.2
35°	935.7	932.6	935.7	934.7	935.7	932.6	927.5	926.5	922.3	929.5	920.2
37.5°	898.5	895.4	898.5	898.5	898.5	900.6	896.5	893.4	887.2	896.5	889.3
40°	860.3	856.2	860.3	859.3	860.3	862.4	860.3	858.2	852.1	859.3	853.1
42.5°	817.0	815.9	817.0	818.0	818.0	822.1	825.2	821.1	819.0	813.8	818.0
45°	770.5	768.4	770.5	772.5	773.5	775.6	784.9	784.9	781.9	773.5	779.8
47.5°	720.9	715.7	720.9	727.1	727.1	730.2	739.5	746.7	741.6	731.2	734.3
50°	668.2	669.3	668.2	672.4	672.4	683.7	690.9	698.2	703.3	690.9	676.5
52.5°	616.6	615.5	616.6	619.7	623.8	629.0	641.4	648.6	656.9	649.6	626.9
55°	564.9	567.0	564.9	566.0	568.0	571.1	589.7	597.0	612.5	603.1	579.4
57.5°	513.3	510.2	513.3	515.4	516.4	519.5	535.0	548.4	557.7	558.7	529.8
60°	453.4	449.3	453.4	462.7	464.8	466.9	481.2	493.6	502.0	505.0	475.1
62.5°	400.7	393.5	400.7	406.9	411.0	416.2	426.6	445.1	452.4	453.4	411.0
65°	345.0	341.9	345.0	357.4	358.4	364.6	375.9	389.4	404.9	402.8	341.9
67.5°	294.4	294.4	294.4	302.6	308.8	311.9	326.4	332.6	352.2	354.3	285.1
70°	247.9	246.9	247.9	254.1	258.2	265.4	278.9	286.1	301.6	306.8	231.4
72.5°	203.4	202.4	203.4	208.6	212.8	219.0	230.3	238.5	252.0	258.2	179.7
75°	164.2	162.2	164.2	168.3	167.3	175.6	184.9	193.1	205.5	209.7	133.2
77.5°	126.0	126.0	126.0	130.1	130.1	138.4	142.5	152.8	160.1	166.3	98.1
80°	94.0	92.9	94.0	95.0	95.0	99.2	106.4	113.6	119.8	119.8	67.1
82.5°	66.1	64.1	66.1	66.1	66.1	68.1	72.3	74.4	78.5	81.6	42.4
85°	41.3	41.3	41.3	42.4	41.3	43.4	44.4	46.5	46.5	44.4	25.8
87.5°	26.9	25.8	26.9	25.8	25.8	24.8	24.8	24.8	23.8	22.7	14.5
90°	12.1	12.1	12.1	12.1	12.1	16.1	21.4	24.1	20.7	13.9	8.9
92.5°	48.3	38.7	48.3	57.9	60.3	85.5	119.0	135.8	119.3	86.2	61.3
95°	168.4	139.4	168.4	197.5	204.7	268.9	354.4	397.1	335.3	211.9	119.4
97.5°	403.5	348.2	403.5	458.8	472.6	513.1	567.2	594.2	491.3	285.4	131.1
100°	581.4	515.4	581.4	647.2	663.7	660.7	656.8	654.8	540.6	312.2	140.9
102.5°	756.3	699.9	756.3	812.7	826.8	775.2	706.4	672.0	556.2	324.5	150.8
105°	979.4	949.0	979.4	1009.7	1017.3	901.6	747.2	670.1	557.9	333.6	165.4
107.5°	1125.5	1132.8	1125.5	1118.2	1116.3	954.9	739.6	631.9	533.1	335.3	187.0
110°	1181.2	1212.8	1181.2	1149.6	1141.7	961.2	720.6	600.2	511.0	332.8	199.0



TEST NUMBER: P934224

CATALOG NUMBER: SQ4-FA-050U-050D-927-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	1186.2	1234.7	1186.2	1137.7	1125.5	940.8	694.5	571.3	491.9	332.9	213.6
115°	1154.7	1222.0	1154.7	1087.4	1070.6	892.7	655.4	536.8	469.9	336.0	235.5
117.5°	1088.1	1162.7	1088.1	1013.4	994.8	834.1	620.0	512.9	456.0	342.2	256.8
120°	1034.3	1106.8	1034.3	961.7	943.6	796.9	601.2	503.4	451.4	347.3	269.2
122.5°	982.0	1053.5	982.0	910.4	892.6	760.5	584.2	496.1	448.9	354.5	283.7
125°	907.3	973.2	907.3	841.5	825.0	712.7	563.0	488.2	446.9	364.4	302.5
127.5°	840.1	895.7	840.1	784.6	770.7	674.3	545.8	481.5	445.8	374.2	320.6
130°	800.6	851.9	800.6	749.2	736.4	650.6	536.2	478.9	446.4	381.4	332.6
132.5°	764.7	810.7	764.7	718.6	707.2	630.4	528.0	476.8	446.9	387.2	342.5
135°	715.5	755.1	715.5	675.8	665.9	601.6	515.8	472.9	446.4	393.5	353.9
137.5°	676.1	708.5	676.1	643.6	635.5	581.1	508.6	472.3	449.2	403.1	368.5
140°	648.9	679.2	648.9	618.5	611.0	564.0	501.4	470.1	449.7	408.9	378.4
142.5°	626.5	652.6	626.5	600.4	593.9	552.6	497.6	470.1	451.3	413.8	385.6
145°	592.9	612.6	592.9	573.1	568.2	534.5	489.4	466.9	451.4	420.2	396.8
147.5°	567.0	583.4	567.0	550.6	546.5	520.0	484.6	466.9	454.5	429.4	410.7
150°	550.8	564.0	550.8	537.5	534.2	511.8	481.9	466.9	456.1	434.4	418.0
152.5°	536.9	546.9	536.9	526.9	524.4	505.2	479.7	466.9	457.1	437.5	422.8
155°	520.9	527.5	520.9	514.3	512.6	497.3	477.1	466.9	459.5	444.5	433.3
157.5°	508.3	512.9	508.3	503.6	502.4	490.6	474.8	466.9	461.8	451.5	443.8
160°	500.7	503.4	500.7	498.0	497.3	487.2	473.7	466.9	462.8	454.7	448.5
162.5°	495.8	498.3	495.8	493.3	492.6	484.1	472.6	466.9	464.0	458.1	453.6
165°	488.6	491.3	488.6	486.0	485.3	479.2	471.0	466.9	465.5	462.8	460.8
167.5°	483.6	484.7	483.6	482.5	482.2	478.2	472.8	470.1	468.9	466.7	465.0
170°	482.2	482.2	482.2	482.2	482.2	478.2	472.8	470.1	470.0	469.9	469.8
172.5°	478.4	477.4	478.4	479.4	479.6	476.5	472.2	470.1	470.1	470.1	470.1
175°	476.1	476.1	476.1	476.1	476.1	474.1	471.4	470.1	470.7	472.0	472.9
177.5°	474.1	472.9	474.1	475.2	475.5	473.9	471.8	470.7	471.2	472.2	472.9
180°	472.9	472.9	472.9	472.9	472.9	472.9	472.9	472.9	472.9	472.9	472.9



TEST NUMBER: P934224

CATALOG NUMBER: SQ4-FA-050U-050D-927-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1091.7	1091.7	1091.7	1091.7	1091.7	1091.7	1091.7	1091.7	1091.7	1091.7	1091.7
2.5°	1107.2	1100.9	1100.9	1090.6	1086.5	1083.4	1078.2	1062.8	1058.6	1054.5	1060.7
5°	1116.5	1105.1	1096.9	1078.2	1062.8	1056.6	1037.0	999.8	975.0	956.3	946.0
7.5°	1118.5	1104.1	1088.5	1059.7	1022.5	1005.9	946.0	877.9	859.3	842.8	832.4
10°	1116.5	1099.9	1078.2	1034.9	947.1	918.1	858.2	813.8	802.5	799.4	802.5
12.5°	1109.3	1093.7	1063.8	991.5	868.6	849.0	813.8	788.0	785.9	791.1	819.0
15°	1096.9	1082.4	1047.3	933.6	825.2	810.7	785.9	776.7	788.0	824.2	907.8
17.5°	1084.5	1067.9	1024.6	876.9	792.2	781.9	764.3	782.9	846.9	895.4	923.3
20°	1067.9	1048.3	998.7	835.5	768.4	759.1	750.8	834.5	883.0	900.6	916.1
22.5°	1048.3	1027.6	963.6	806.7	743.6	736.4	741.6	863.4	883.0	895.4	908.8
25°	1022.5	1004.9	922.3	783.9	724.0	715.7	735.4	860.3	871.7	874.8	901.7
27.5°	998.7	976.0	879.0	763.2	700.2	697.2	740.5	846.9	855.2	858.2	887.2
30°	969.8	935.7	830.4	741.6	675.4	674.4	741.6	830.4	828.3	836.6	865.5
32.5°	939.9	875.8	775.6	714.7	651.7	650.6	734.3	805.6	803.5	814.9	836.6
35°	912.0	829.4	701.2	683.7	621.8	622.8	716.8	776.7	777.7	788.0	801.5
37.5°	883.0	789.1	619.7	649.6	592.8	592.8	693.0	749.8	747.7	750.8	769.5
40°	849.0	726.0	547.4	605.2	566.0	562.9	664.1	720.9	713.6	712.6	738.4
42.5°	812.8	656.9	493.6	546.4	535.0	530.8	629.0	685.8	672.4	675.4	708.5
45°	773.5	638.3	452.4	461.7	503.0	499.9	590.7	645.5	636.2	644.5	678.5
47.5°	734.3	601.1	439.0	383.2	468.9	467.9	548.4	606.2	601.1	609.4	645.5
50°	680.6	559.8	437.9	328.4	430.7	434.8	497.8	568.0	568.0	575.3	613.5
52.5°	611.5	509.2	397.6	297.5	386.2	398.6	453.4	535.0	537.1	544.3	578.3
55°	548.4	456.5	368.7	273.7	333.6	360.4	410.0	500.9	505.0	512.3	543.2
57.5°	490.6	380.1	362.5	245.8	285.1	310.8	371.8	467.9	469.9	476.1	506.0
60°	428.6	274.7	332.6	215.8	242.7	262.3	336.7	428.6	435.8	440.0	465.8
62.5°	358.4	199.4	301.6	195.2	222.1	226.1	307.8	391.5	400.7	403.9	419.3
65°	255.1	167.3	256.1	177.6	200.4	201.4	276.8	353.2	361.5	366.7	378.0
67.5°	172.5	136.4	195.2	161.1	183.9	184.9	246.9	308.8	320.2	324.3	331.6
70°	119.8	90.9	144.6	143.5	165.2	167.3	214.8	268.5	278.9	282.0	286.1
72.5°	87.8	73.3	119.8	129.1	145.6	147.7	181.8	223.1	233.4	236.5	238.5
75°	67.1	77.5	97.1	112.6	124.0	125.0	148.7	181.8	189.0	191.0	192.1
77.5°	53.7	72.3	71.3	90.9	101.2	99.2	116.7	140.4	146.7	146.7	146.7
80°	40.3	56.8	53.7	65.1	74.4	72.3	83.6	100.2	102.3	104.3	103.3
82.5°	30.0	36.1	36.1	41.3	49.6	47.5	55.7	65.1	65.1	65.1	67.1
85°	18.6	20.6	16.6	21.7	27.9	26.9	31.0	35.1	36.1	36.1	34.1
87.5°	11.4	9.3	5.2	8.2	12.4	12.4	14.5	15.5	14.5	14.5	14.5
90°	8.2	5.7	3.2	5.7	8.2	8.9	13.9	20.7	24.1	21.4	16.1
92.5°	55.9	34.3	12.7	34.3	55.9	61.3	86.2	119.3	135.8	119.0	85.5
95°	109.5	70.0	30.5	70.0	109.5	119.4	211.9	335.3	397.1	354.4	268.9
97.5°	122.4	87.5	52.7	87.5	122.4	131.1	285.4	491.3	594.2	567.2	513.1
100°	133.0	101.4	69.8	101.4	133.0	140.9	312.2	540.6	654.8	656.8	660.7
102.5°	143.4	114.0	84.5	114.0	143.4	150.8	324.5	556.2	672.0	706.4	775.2
105°	159.2	134.1	109.2	134.1	159.2	165.4	333.6	557.9	670.1	747.2	901.6
107.5°	181.1	157.8	134.6	157.8	181.1	187.0	335.3	533.1	631.9	739.6	954.9
110°	193.8	172.7	151.7	172.7	193.8	199.0	332.8	511.0	600.2	720.6	961.2



TEST NUMBER: P934224

CATALOG NUMBER: SQ4-FA-050U-050D-927-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	208.6	188.6	168.6	188.6	208.6	213.6	332.9	491.9	571.3	694.5	940.8
115°	230.9	212.4	194.0	212.4	230.9	235.5	336.0	469.9	536.8	655.4	892.7
117.5°	252.6	235.8	219.0	235.8	252.6	256.8	342.2	456.0	512.9	620.0	834.1
120°	265.3	249.4	233.6	249.4	265.3	269.2	347.3	451.4	503.4	601.2	796.9
122.5°	279.7	263.8	247.9	263.8	279.7	283.7	354.5	448.9	496.1	584.2	760.5
125°	298.8	284.3	269.8	284.3	298.8	302.5	364.4	446.9	488.2	563.0	712.7
127.5°	316.9	302.2	287.6	302.2	316.9	320.6	374.2	445.8	481.5	545.8	674.3
130°	328.7	312.9	297.1	312.9	328.7	332.6	381.4	446.4	478.9	536.2	650.6
132.5°	338.6	322.7	306.9	322.7	338.6	342.5	387.2	446.9	476.8	528.0	630.4
135°	350.3	336.0	321.6	336.0	350.3	353.9	393.5	446.4	472.9	515.8	601.6
137.5°	365.0	350.7	336.5	350.7	365.0	368.5	403.1	449.2	472.3	508.6	581.1
140°	375.1	362.0	348.8	362.0	375.1	378.4	408.9	449.7	470.1	501.4	564.0
142.5°	382.6	370.4	358.4	370.4	382.6	385.6	413.8	451.3	470.1	497.6	552.6
145°	394.2	383.5	373.0	383.5	394.2	396.8	420.2	451.4	466.9	489.4	534.5
147.5°	408.2	397.9	387.5	397.9	408.2	410.7	429.4	454.5	466.9	484.6	520.0
150°	415.7	406.4	397.1	406.4	415.7	418.0	434.4	456.1	466.9	481.9	511.8
152.5°	421.0	414.0	406.9	414.0	421.0	422.8	437.5	457.1	466.9	479.7	505.2
155°	432.0	426.7	421.5	426.7	432.0	433.3	444.5	459.5	466.9	477.1	497.3
157.5°	442.4	437.4	432.3	437.4	442.4	443.8	451.5	461.8	466.9	474.8	490.6
160°	447.5	443.6	439.6	443.6	447.5	448.5	454.7	462.8	466.9	473.7	487.2
162.5°	452.8	449.9	446.9	449.9	452.8	453.6	458.1	464.0	466.9	472.6	484.1
165°	460.2	457.5	454.8	457.5	460.2	460.8	462.8	465.5	466.9	471.0	479.2
167.5°	464.7	463.4	462.2	463.4	464.7	465.0	466.7	468.9	470.1	472.8	478.2
170°	469.5	468.2	466.9	468.2	469.5	469.8	469.9	470.0	470.1	472.8	478.2
172.5°	470.0	469.8	469.5	469.8	470.0	470.1	470.1	470.1	470.1	472.2	476.5
175°	472.9	472.9	472.9	472.9	472.9	472.9	472.0	470.7	470.1	471.4	474.1
177.5°	472.9	472.9	472.9	472.9	472.9	472.9	472.2	471.2	470.7	471.8	473.9
180°	472.9	472.9	472.9	472.9	472.9	472.9	472.9	472.9	472.9	472.9	472.9



TEST NUMBER: P934224

CATALOG NUMBER: SQ4-FA-050U-050D-927-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1091.7	1091.7	1091.7	1091.7	1091.7	1091.7	1091.7	1091.7	1091.7	1091.7	1091.7
2.5°	1053.4	1050.4	1054.5	1043.1	1054.5	1050.4	1053.4	1060.7	1054.5	1058.6	1062.8
5°	924.4	919.2	902.7	889.3	902.7	919.2	924.4	946.0	956.3	975.0	999.8
7.5°	826.2	822.1	818.0	809.7	818.0	822.1	826.2	832.4	842.8	859.3	877.9
10°	804.6	805.6	811.8	810.7	811.8	805.6	804.6	802.5	799.4	802.5	813.8
12.5°	860.3	869.6	903.7	901.7	903.7	869.6	860.3	819.0	791.1	785.9	788.0
15°	924.4	927.5	934.7	935.7	934.7	927.5	924.4	907.8	824.2	788.0	776.7
17.5°	930.5	931.6	936.8	936.8	936.8	931.6	930.5	923.3	895.4	846.9	782.9
20°	925.4	927.5	937.8	939.9	937.8	927.5	925.4	916.1	900.6	883.0	834.5
22.5°	923.3	927.5	935.7	934.7	935.7	927.5	923.3	908.8	895.4	883.0	863.4
25°	913.0	913.0	914.1	915.1	914.1	913.0	913.0	901.7	874.8	871.7	860.3
27.5°	891.3	893.4	899.6	898.5	899.6	893.4	891.3	887.2	858.2	855.2	846.9
30°	871.7	869.6	864.5	860.3	864.5	869.6	871.7	865.5	836.6	828.3	830.4
32.5°	838.6	833.4	828.3	825.2	828.3	833.4	838.6	836.6	814.9	803.5	805.6
35°	799.4	800.4	799.4	796.3	799.4	800.4	799.4	801.5	788.0	777.7	776.7
37.5°	771.5	773.5	772.5	768.4	772.5	773.5	771.5	769.5	750.8	747.7	749.8
40°	742.6	743.6	742.6	739.5	742.6	743.6	742.6	738.4	712.6	713.6	720.9
42.5°	714.7	713.6	710.6	708.5	710.6	713.6	714.7	708.5	675.4	672.4	685.8
45°	682.7	683.7	677.5	674.4	677.5	683.7	682.7	678.5	644.5	636.2	645.5
47.5°	650.6	650.6	645.5	642.4	645.5	650.6	650.6	645.5	609.4	601.1	606.2
50°	616.6	615.5	608.3	607.3	608.3	615.5	616.6	613.5	575.3	568.0	568.0
52.5°	577.3	577.3	578.3	580.4	578.3	577.3	577.3	578.3	544.3	537.1	535.0
55°	543.2	544.3	551.6	553.6	551.6	544.3	543.2	543.2	512.3	505.0	500.9
57.5°	508.1	508.1	513.3	513.3	513.3	508.1	508.1	506.0	476.1	469.9	467.9
60°	467.9	469.9	474.1	473.0	474.1	469.9	467.9	465.8	440.0	435.8	428.6
62.5°	425.5	427.6	428.6	426.6	428.6	427.6	425.5	419.3	403.9	400.7	391.5
65°	381.1	383.2	384.2	382.2	384.2	383.2	381.1	378.0	366.7	361.5	353.2
67.5°	335.6	334.6	333.6	337.7	333.6	334.6	335.6	331.6	324.3	320.2	308.8
70°	289.2	289.2	288.1	290.2	288.1	289.2	289.2	286.1	282.0	278.9	268.5
72.5°	239.6	238.5	242.7	239.6	242.7	238.5	239.6	238.5	236.5	233.4	223.1
75°	191.0	193.1	191.0	194.2	191.0	193.1	191.0	192.1	191.0	189.0	181.8
77.5°	145.6	147.7	145.6	145.6	145.6	147.7	145.6	146.7	146.7	146.7	140.4
80°	103.3	102.3	102.3	101.2	102.3	102.3	103.3	103.3	104.3	102.3	100.2
82.5°	66.1	65.1	65.1	67.1	65.1	65.1	66.1	67.1	65.1	65.1	65.1
85°	36.1	37.2	35.1	35.1	35.1	37.2	36.1	34.1	36.1	36.1	35.1
87.5°	13.4	12.4	12.4	12.4	12.4	12.4	13.4	14.5	14.5	14.5	15.5
90°	12.1	12.1	12.1	12.1	12.1	12.1	12.1	16.1	21.4	24.1	20.7
92.5°	60.3	57.9	48.3	38.7	48.3	57.9	60.3	85.5	119.0	135.8	119.3
95°	204.7	197.5	168.4	139.4	168.4	197.5	204.7	268.9	354.4	397.1	335.3
97.5°	472.6	458.8	403.5	348.2	403.5	458.8	472.6	513.1	567.2	594.2	491.3
100°	663.7	647.2	581.4	515.4	581.4	647.2	663.7	660.7	656.8	654.8	540.6
102.5°	826.8	812.7	756.3	699.9	756.3	812.7	826.8	775.2	706.4	672.0	556.2
105°	1017.3	1009.7	979.4	949.0	979.4	1009.7	1017.3	901.6	747.2	670.1	557.9
107.5°	1116.3	1118.2	1125.5	1132.8	1125.5	1118.2	1116.3	954.9	739.6	631.9	533.1
110°	1141.7	1149.6	1181.2	1212.8	1181.2	1149.6	1141.7	961.2	720.6	600.2	511.0



TEST NUMBER: P934224

CATALOG NUMBER: SQ4-FA-050U-050D-927-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1125.5	1137.7	1186.2	1234.7	1186.2	1137.7	1125.5	940.8	694.5	571.3	491.9
115°	1070.6	1087.4	1154.7	1222.0	1154.7	1087.4	1070.6	892.7	655.4	536.8	469.9
117.5°	994.8	1013.4	1088.1	1162.7	1088.1	1013.4	994.8	834.1	620.0	512.9	456.0
120°	943.6	961.7	1034.3	1106.8	1034.3	961.7	943.6	796.9	601.2	503.4	451.4
122.5°	892.6	910.4	982.0	1053.5	982.0	910.4	892.6	760.5	584.2	496.1	448.9
125°	825.0	841.5	907.3	973.2	907.3	841.5	825.0	712.7	563.0	488.2	446.9
127.5°	770.7	784.6	840.1	895.7	840.1	784.6	770.7	674.3	545.8	481.5	445.8
130°	736.4	749.2	800.6	851.9	800.6	749.2	736.4	650.6	536.2	478.9	446.4
132.5°	707.2	718.6	764.7	810.7	764.7	718.6	707.2	630.4	528.0	476.8	446.9
135°	665.9	675.8	715.5	755.1	715.5	675.8	665.9	601.6	515.8	472.9	446.4
137.5°	635.5	643.6	676.1	708.5	676.1	643.6	635.5	581.1	508.6	472.3	449.2
140°	611.0	618.5	648.9	679.2	648.9	618.5	611.0	564.0	501.4	470.1	449.7
142.5°	593.9	600.4	626.5	652.6	626.5	600.4	593.9	552.6	497.6	470.1	451.3
145°	568.2	573.1	592.9	612.6	592.9	573.1	568.2	534.5	489.4	466.9	451.4
147.5°	546.5	550.6	567.0	583.4	567.0	550.6	546.5	520.0	484.6	466.9	454.5
150°	534.2	537.5	550.8	564.0	550.8	537.5	534.2	511.8	481.9	466.9	456.1
152.5°	524.4	526.9	536.9	546.9	536.9	526.9	524.4	505.2	479.7	466.9	457.1
155°	512.6	514.3	520.9	527.5	520.9	514.3	512.6	497.3	477.1	466.9	459.5
157.5°	502.4	503.6	508.3	512.9	508.3	503.6	502.4	490.6	474.8	466.9	461.8
160°	497.3	498.0	500.7	503.4	500.7	498.0	497.3	487.2	473.7	466.9	462.8
162.5°	492.6	493.3	495.8	498.3	495.8	493.3	492.6	484.1	472.6	466.9	464.0
165°	485.3	486.0	488.6	491.3	488.6	486.0	485.3	479.2	471.0	466.9	465.5
167.5°	482.2	482.5	483.6	484.7	483.6	482.5	482.2	478.2	472.8	470.1	468.9
170°	482.2	482.2	482.2	482.2	482.2	482.2	482.2	478.2	472.8	470.1	470.0
172.5°	479.6	479.4	478.4	477.4	478.4	479.4	479.6	476.5	472.2	470.1	470.1
175°	476.1	476.1	476.1	476.1	476.1	476.1	476.1	474.1	471.4	470.1	470.7
177.5°	475.5	475.2	474.1	472.9	474.1	475.2	475.5	473.9	471.8	470.7	471.2
180°	472.9	472.9	472.9	472.9	472.9	472.9	472.9	472.9	472.9	472.9	472.9



TEST NUMBER: P934224

CATALOG NUMBER: SQ4-FA-050U-050D-927-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1091.7	1091.7	1091.7	1091.7	1091.7
2.5°	1078.2	1083.4	1086.5	1090.6	1100.9
5°	1037.0	1056.6	1062.8	1078.2	1096.9
7.5°	946.0	1005.9	1022.5	1059.7	1088.5
10°	858.2	918.1	947.1	1034.9	1078.2
12.5°	813.8	849.0	868.6	991.5	1063.8
15°	785.9	810.7	825.2	933.6	1047.3
17.5°	764.3	781.9	792.2	876.9	1024.6
20°	750.8	759.1	768.4	835.5	998.7
22.5°	741.6	736.4	743.6	806.7	963.6
25°	735.4	715.7	724.0	783.9	922.3
27.5°	740.5	697.2	700.2	763.2	879.0
30°	741.6	674.4	675.4	741.6	830.4
32.5°	734.3	650.6	651.7	714.7	775.6
35°	716.8	622.8	621.8	683.7	701.2
37.5°	693.0	592.8	592.8	649.6	619.7
40°	664.1	562.9	566.0	605.2	547.4
42.5°	629.0	530.8	535.0	546.4	493.6
45°	590.7	499.9	503.0	461.7	452.4
47.5°	548.4	467.9	468.9	383.2	439.0
50°	497.8	434.8	430.7	328.4	437.9
52.5°	453.4	398.6	386.2	297.5	397.6
55°	410.0	360.4	333.6	273.7	368.7
57.5°	371.8	310.8	285.1	245.8	362.5
60°	336.7	262.3	242.7	215.8	332.6
62.5°	307.8	226.1	222.1	195.2	301.6
65°	276.8	201.4	200.4	177.6	256.1
67.5°	246.9	184.9	183.9	161.1	195.2
70°	214.8	167.3	165.2	143.5	144.6
72.5°	181.8	147.7	145.6	129.1	119.8
75°	148.7	125.0	124.0	112.6	97.1
77.5°	116.7	99.2	101.2	90.9	71.3
80°	83.6	72.3	74.4	65.1	53.7
82.5°	55.7	47.5	49.6	41.3	36.1
85°	31.0	26.9	27.9	21.7	16.6
87.5°	14.5	12.4	12.4	8.2	5.2
90°	13.9	8.9	8.2	5.7	3.2
92.5°	86.2	61.3	55.9	34.3	12.7
95°	211.9	119.4	109.5	70.0	30.5
97.5°	285.4	131.1	122.4	87.5	52.7
100°	312.2	140.9	133.0	101.4	69.8
102.5°	324.5	150.8	143.4	114.0	84.5
105°	333.6	165.4	159.2	134.1	109.2
107.5°	335.3	187.0	181.1	157.8	134.6
110°	332.8	199.0	193.8	172.7	151.7



TEST NUMBER: P934224

CATALOG NUMBER: SQ4-FA-050U-050D-927-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	332.9	213.6	208.6	188.6	168.6
115°	336.0	235.5	230.9	212.4	194.0
117.5°	342.2	256.8	252.6	235.8	219.0
120°	347.3	269.2	265.3	249.4	233.6
122.5°	354.5	283.7	279.7	263.8	247.9
125°	364.4	302.5	298.8	284.3	269.8
127.5°	374.2	320.6	316.9	302.2	287.6
130°	381.4	332.6	328.7	312.9	297.1
132.5°	387.2	342.5	338.6	322.7	306.9
135°	393.5	353.9	350.3	336.0	321.6
137.5°	403.1	368.5	365.0	350.7	336.5
140°	408.9	378.4	375.1	362.0	348.8
142.5°	413.8	385.6	382.6	370.4	358.4
145°	420.2	396.8	394.2	383.5	373.0
147.5°	429.4	410.7	408.2	397.9	387.5
150°	434.4	418.0	415.7	406.4	397.1
152.5°	437.5	422.8	421.0	414.0	406.9
155°	444.5	433.3	432.0	426.7	421.5
157.5°	451.5	443.8	442.4	437.4	432.3
160°	454.7	448.5	447.5	443.6	439.6
162.5°	458.1	453.6	452.8	449.9	446.9
165°	462.8	460.8	460.2	457.5	454.8
167.5°	466.7	465.0	464.7	463.4	462.2
170°	469.9	469.8	469.5	468.2	466.9
172.5°	470.1	470.1	470.0	469.8	469.5
175°	472.0	472.9	472.9	472.9	472.9
177.5°	472.2	472.9	472.9	472.9	472.9
180°	472.9	472.9	472.9	472.9	472.9



TEST NUMBER: P934224
 CATALOG NUMBER: SQ4-FA-050U-050D-927-1D-UNV-STD-W-8

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	10.26	11.10	11.23	12.09	13.39	13.10	13.94	14.07	14.93	16.23
	3H	10.73	11.49	11.72	12.49	13.81	14.44	15.20	15.43	16.20	17.52
	4H	10.92	11.64	11.92	12.64	13.97	14.89	15.60	15.89	16.60	17.93
	6H	11.04	11.70	12.05	12.71	14.05	15.17	15.83	16.18	16.84	18.18
	8H	11.04	11.67	12.06	12.69	14.03	15.25	15.88	16.26	16.90	18.24
	12H	11.01	11.61	12.03	12.63	13.99	15.29	15.88	16.31	16.90	18.26
4H	2H	11.29	12.01	12.29	13.01	14.34	13.50	14.22	14.51	15.22	16.55
	3H	12.32	12.91	13.33	13.94	15.28	15.01	15.61	16.02	16.63	17.98
	4H	12.59	13.14	13.61	14.16	15.52	15.54	16.08	16.56	17.10	18.47
	6H	12.72	13.18	13.75	14.23	15.59	15.90	16.37	16.94	17.42	18.78
	8H	12.72	13.16	13.75	14.20	15.57	16.01	16.45	17.04	17.49	18.86
	12H	12.69	13.08	13.74	14.14	15.52	16.07	16.46	17.12	17.52	18.90
8H	4H	13.04	13.48	14.08	14.52	15.90	15.66	16.10	16.69	17.14	18.51
	6H	13.31	13.67	14.36	14.75	16.12	16.10	16.46	17.16	17.54	18.92
	8H	13.35	13.67	14.41	14.73	16.12	16.25	16.57	17.32	17.63	19.03
	12H	13.33	13.61	14.40	14.67	16.11	16.35	16.63	17.42	17.69	19.13
12H	4H	13.05	13.45	14.10	14.50	15.88	15.62	16.02	16.68	17.07	18.46
	6H	13.37	13.69	14.43	14.75	16.14	16.10	16.41	17.16	17.48	18.87
	8H	13.43	13.71	14.50	14.77	16.21	16.26	16.54	17.33	17.60	19.03