

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: P934822

Luminaire Tested: SQ4-FA-075U-100D-927-1D-UNV-STD-W-4

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934822
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-927-1D-UNV-STD-W-4
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

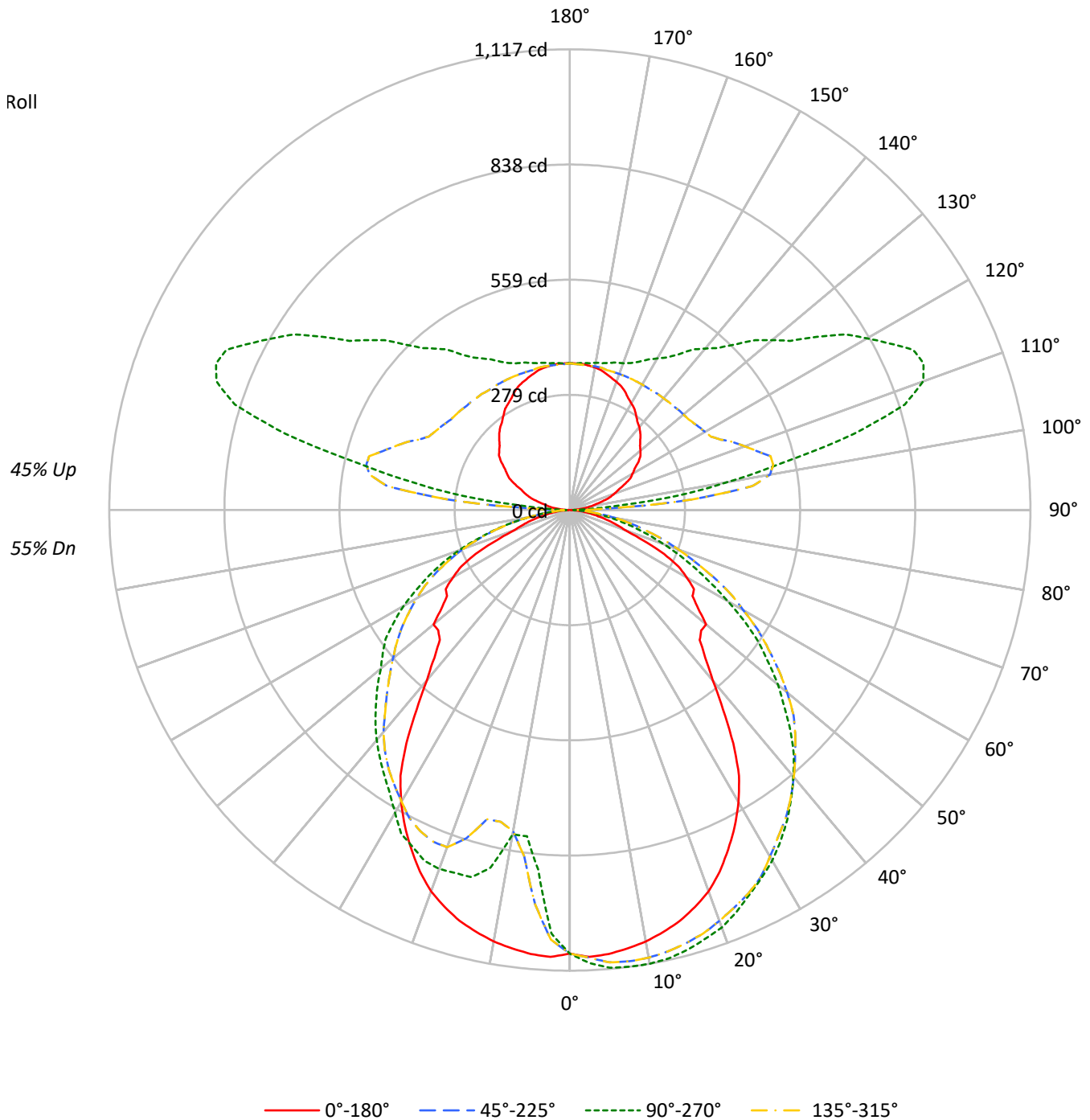
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5095.1 lumens
Efficiency: N/A
Efficacy: 99.5 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: P934822
CATALOG NUMBER: SQ4-FA-075U-100D-927-1D-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	50	30	10	0
RCR																					
0	108	108	108	108	100	100	100	100	86	86	86	73	73	73	60	60	60	60	60	60	55
1	99	95	91	87	92	88	85	82	76	73	71	64	62	61	54	52	51	51	51	51	46
2	90	83	76	71	83	77	72	67	66	62	59	56	53	51	47	45	43	43	43	43	39
3	82	73	65	59	76	68	61	56	58	53	49	50	46	43	42	39	37	37	37	37	33
4	75	64	56	50	69	60	53	47	52	46	42	44	40	37	37	34	32	32	32	32	28
5	69	57	49	43	64	54	46	41	46	41	36	40	35	32	34	30	28	28	28	28	24
6	64	51	43	37	59	48	41	35	42	36	32	36	31	28	30	27	24	24	24	24	21
7	59	46	38	33	54	43	36	31	38	32	28	33	28	25	28	24	21	21	21	21	19
8	55	42	34	29	51	39	32	27	35	29	25	30	25	22	25	22	19	19	19	19	17
9	51	38	31	26	47	36	29	25	32	26	22	27	23	20	24	20	17	17	17	17	15
10	47	35	28	23	44	33	26	22	29	24	20	25	21	18	22	18	16	16	16	16	14

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	9978	9978	9978	9978
5°	10043	10073	10043	7921
10°	9964	9922	9964	7093
15°	9844	9707	9844	8105
20°	9627	9453	9627	8123
25°	9194	9081	9194	7951
30°	8640	8773	8640	7573
35°	7691	8383	7691	7157
40°	6397	7924	6397	6843
45°	5705	7386	5705	6483
50°	6047	6746	6047	6120
55°	5673	6055	5673	5911
60°	5827	5141	5827	5413
65°	5258	4250	5258	4752
70°	3618	3388	3618	3983
75°	3135	2504	3135	2999
80°	2476	1656	2476	1803
85°	1341	877	1341	745

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 8761 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	97.1	1.9
10°-20°	275.6	5.4
20°-30°	426.0	8.4
30°-40°	508.6	10.0
40°-50°	511.6	10.0
50°-60°	445.1	8.7
60°-70°	315.6	6.2
70°-80°	167.0	3.3
80°-90°	42.9	0.8
90°-100°	173.4	3.4
100°-110°	455.8	8.9
110°-120°	472.6	9.3
120°-130°	379.1	7.4
130°-140°	297.5	5.8
140°-150°	228.3	4.5
150°-160°	164.4	3.2
160°-170°	100.6	2.0
170°-180°	34.0	0.7
0°-30°	798.7	15.7
0°-40°	1307.3	25.7
0°-60°	2264.0	44.4
0°-90°	2789.5	54.7
90°-120°	1101.7	21.6
90°-150°	2006.6	39.4
90°-180°	2306.0	45.3
0°-180°	5095.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1075	1075	1075	1075	1075	
5°	1080	1114	1080	876	1080	102
15°	1032	1104	1032	922	1032	290
25°	908	1030	908	901	908	417
35°	691	919	691	784	691	427
45°	446	757	446	664	446	357
55°	363	559	363	545	363	334
65°	252	337	252	376	252	241
75°	96	160	96	191	96	101
85°	16	41	16	35	16	22
90°	2	9	2	9	2	3
95°	23	105	23	105	23	25
105°	82	714	82	714	82	87
115°	146	919	146	919	146	144
125°	203	732	203	732	203	180
135°	242	568	242	568	242	187
145°	280	461	280	461	280	176
155°	317	397	317	397	317	146
165°	342	370	342	370	342	97
175°	356	358	356	358	356	34
180°	356	356	356	356	356	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1075.3	1075.3	1075.3	1075.3	1075.3	1075.3	1075.3	1075.3	1075.3	1075.3	1075.3
2.5°	1084.5	1084.5	1090.6	1092.6	1092.6	1089.6	1086.5	1089.6	1098.7	1101.8	1100.8
5°	1080.5	1088.5	1099.8	1101.8	1103.8	1102.8	1100.8	1102.8	1113.0	1115.0	1116.0
7.5°	1072.3	1087.5	1101.8	1104.9	1107.9	1104.9	1103.8	1105.9	1116.0	1118.0	1118.0
10°	1062.1	1083.5	1099.8	1101.8	1104.9	1101.8	1101.8	1105.9	1116.0	1118.0	1119.1
12.5°	1047.9	1077.4	1092.6	1094.7	1098.7	1097.7	1096.7	1100.8	1111.0	1113.0	1113.0
15°	1031.6	1066.2	1080.5	1082.5	1089.6	1087.5	1087.5	1091.6	1102.8	1105.9	1104.9
17.5°	1009.2	1052.0	1068.2	1071.3	1076.4	1075.3	1076.4	1080.5	1090.6	1092.6	1093.6
20°	983.8	1032.6	1052.0	1055.0	1060.1	1060.1	1060.1	1065.1	1075.3	1079.4	1079.4
22.5°	949.2	1012.2	1032.6	1034.6	1040.7	1040.7	1042.8	1049.9	1059.1	1060.1	1060.1
25°	908.5	989.9	1007.2	1013.3	1019.4	1022.4	1025.5	1029.6	1032.6	1031.6	1032.6
27.5°	865.8	961.4	983.8	987.8	996.0	999.1	1003.1	1004.2	1005.2	1008.2	1006.2
30°	818.0	921.7	955.3	959.3	972.6	974.6	970.6	972.6	977.7	979.7	981.8
32.5°	764.0	862.7	925.8	934.9	947.2	941.0	940.0	943.1	951.3	951.3	953.3
35°	690.8	817.0	898.4	906.4	915.6	908.5	912.5	913.6	918.7	921.7	920.7
37.5°	610.4	777.2	869.9	876.0	883.0	873.9	880.0	883.0	887.1	885.1	885.1
40°	539.2	715.2	836.3	840.3	846.5	839.3	845.4	847.5	849.5	847.5	846.5
42.5°	486.3	647.0	800.6	805.7	801.6	806.7	808.8	812.9	809.8	805.7	805.7
45°	445.6	628.7	762.0	768.1	762.0	770.2	773.2	773.2	764.0	762.0	761.0
47.5°	432.4	592.1	723.3	723.3	720.3	730.4	735.6	728.4	719.3	716.3	716.3
50°	431.4	551.4	670.4	666.4	680.6	692.8	687.8	680.6	673.5	662.3	662.3
52.5°	391.7	501.6	602.3	617.5	639.9	647.0	638.9	631.8	619.5	614.5	610.4
55°	363.2	449.7	540.2	570.7	594.1	603.3	588.0	580.9	562.6	559.6	557.5
57.5°	357.1	374.4	483.3	521.9	550.4	549.4	540.2	527.0	511.7	508.7	507.7
60°	327.6	270.6	422.2	468.0	497.5	494.4	486.3	474.1	459.8	457.8	455.8
62.5°	297.1	196.4	353.0	404.9	446.6	445.6	438.5	420.2	410.0	404.9	400.9
65°	252.3	164.8	251.3	336.7	396.8	398.8	383.5	370.3	359.1	353.0	352.0
67.5°	192.3	134.3	169.9	280.8	349.0	346.9	327.6	321.5	307.2	304.2	298.1
70°	142.5	89.6	118.0	227.9	302.1	297.1	281.8	274.7	261.5	254.3	250.2
72.5°	118.0	72.2	86.5	177.0	254.3	248.2	235.0	226.8	215.7	209.6	205.5
75°	95.6	76.3	66.1	131.2	206.5	202.4	190.3	182.1	172.9	164.8	165.9
77.5°	70.2	71.2	52.9	96.6	163.8	157.7	150.5	140.4	136.3	128.2	128.2
80°	52.9	56.0	39.7	66.1	118.0	118.0	111.9	104.8	97.6	93.6	93.6
82.5°	35.6	35.6	29.5	41.7	80.4	77.3	73.2	71.2	67.1	65.1	65.1
85°	16.2	20.3	18.3	25.4	43.7	45.8	45.8	43.7	42.7	40.7	41.7
87.5°	5.1	9.2	11.2	14.2	22.4	23.4	24.4	24.4	24.4	25.4	25.4
90°	2.4	4.3	6.2	6.7	10.5	15.6	18.2	16.2	12.1	9.1	9.1
92.5°	9.5	25.8	42.0	46.0	64.8	89.7	102.2	89.6	64.3	45.4	43.6
95°	22.9	52.7	82.4	89.8	159.4	252.2	298.6	266.4	202.1	153.9	148.5
97.5°	39.7	65.8	92.0	98.6	214.7	369.4	446.8	426.5	385.9	355.4	345.0
100°	52.5	76.2	100.0	106.0	234.8	406.6	492.4	493.9	496.9	499.1	486.7
102.5°	63.5	85.7	107.8	113.3	244.0	418.3	505.4	531.2	583.0	621.8	611.1
105°	82.1	100.9	119.7	124.4	250.9	419.6	503.9	561.9	678.0	765.0	759.3
107.5°	101.2	118.7	136.2	140.6	252.2	400.9	475.2	556.2	718.0	839.5	840.8
110°	114.1	129.9	145.8	149.7	250.2	384.3	451.4	541.8	722.8	858.6	864.5



TEST NUMBER: P934822

CATALOG NUMBER: SQ4-FA-075U-100D-927-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	126.7	141.8	156.8	160.6	250.3	369.9	429.7	522.3	707.5	846.4	855.5
115°	145.8	159.7	173.6	177.1	252.6	353.3	403.6	492.9	671.3	805.1	817.7
117.5°	164.7	177.3	190.0	193.1	257.3	342.9	385.7	466.2	627.2	748.1	762.1
120°	175.7	187.6	199.4	202.4	261.1	339.4	378.5	452.1	599.3	709.6	723.3
122.5°	186.4	198.4	210.4	213.4	266.6	337.6	373.1	439.3	571.8	671.2	684.7
125°	202.9	213.8	224.8	227.5	274.0	336.1	367.1	423.4	536.0	620.4	632.8
127.5°	216.3	227.3	238.3	241.1	281.4	335.3	362.1	410.5	507.1	579.6	590.1
130°	223.5	235.3	247.2	250.2	286.8	335.7	360.2	403.2	489.3	553.8	563.4
132.5°	230.8	242.7	254.6	257.6	291.2	336.1	358.5	397.0	474.1	531.8	540.5
135°	241.8	252.6	263.4	266.1	296.0	335.8	355.7	387.9	452.5	500.8	508.3
137.5°	253.0	263.7	274.4	277.1	303.1	337.9	355.2	382.5	437.0	477.9	483.9
140°	262.3	272.2	282.1	284.5	307.5	338.2	353.5	377.1	424.1	459.5	465.2
142.5°	269.5	278.6	287.7	290.0	311.2	339.4	353.5	374.2	415.6	446.6	451.5
145°	280.4	288.4	296.4	298.4	315.9	339.4	351.1	368.1	401.9	427.3	431.0
147.5°	291.4	299.1	306.9	308.8	322.9	341.7	351.1	364.4	391.1	411.0	414.1
150°	298.6	305.6	312.6	314.4	326.6	343.0	351.1	362.4	384.8	401.7	404.2
152.5°	306.0	311.3	316.6	317.9	329.0	343.7	351.1	360.7	379.9	394.3	396.2
155°	317.0	320.9	324.8	325.8	334.3	345.5	351.1	358.7	374.0	385.5	386.7
157.5°	325.1	328.9	332.8	333.7	339.5	347.3	351.1	357.0	368.9	377.8	378.7
160°	330.6	333.6	336.5	337.3	341.9	348.0	351.1	356.2	366.4	374.1	374.5
162.5°	336.1	338.3	340.6	341.1	344.4	348.9	351.1	355.4	364.0	370.4	370.9
165°	342.0	344.0	346.0	346.6	348.1	350.1	351.1	354.2	360.4	365.0	365.5
167.5°	347.5	348.4	349.4	349.7	351.0	352.7	353.5	355.5	359.6	362.6	362.8
170°	351.1	352.0	353.0	353.3	353.4	353.4	353.5	355.5	359.6	362.6	362.6
172.5°	353.0	353.3	353.4	353.5	353.5	353.5	353.5	355.1	358.3	360.7	360.5
175°	355.7	355.7	355.7	355.7	355.0	354.0	353.5	354.5	356.5	358.0	358.0
177.5°	355.7	355.7	355.7	355.7	355.1	354.4	354.0	354.7	356.4	357.6	357.4
180°	355.7	355.7	355.7	355.7	355.7	355.7	355.7	355.7	355.7	355.7	355.7



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1075.3	1075.3	1075.3	1075.3	1075.3	1075.3	1075.3	1075.3	1075.3	1075.3	1075.3
2.5°	1102.8	1099.8	1102.8	1100.8	1101.8	1098.7	1089.6	1086.5	1089.6	1092.6	1092.6
5°	1116.0	1114.0	1116.0	1116.0	1115.0	1113.0	1102.8	1100.8	1102.8	1103.8	1101.8
7.5°	1120.1	1117.0	1120.1	1118.0	1118.0	1116.0	1105.9	1103.8	1104.9	1107.9	1104.9
10°	1120.1	1117.0	1120.1	1119.1	1118.0	1116.0	1105.9	1101.8	1101.8	1104.9	1101.8
12.5°	1115.0	1113.0	1115.0	1113.0	1113.0	1111.0	1100.8	1096.7	1097.7	1098.7	1094.7
15°	1106.9	1103.8	1106.9	1104.9	1105.9	1102.8	1091.6	1087.5	1087.5	1089.6	1082.5
17.5°	1094.7	1090.6	1094.7	1093.6	1092.6	1090.6	1080.5	1076.4	1075.3	1076.4	1071.3
20°	1080.5	1077.4	1080.5	1079.4	1079.4	1075.3	1065.1	1060.1	1060.1	1060.1	1055.0
22.5°	1058.1	1055.0	1058.1	1060.1	1060.1	1059.1	1049.9	1042.8	1040.7	1040.7	1034.6
25°	1032.6	1029.6	1032.6	1032.6	1031.6	1032.6	1029.6	1025.5	1022.4	1019.4	1013.3
27.5°	1008.2	1006.2	1008.2	1006.2	1008.2	1005.2	1004.2	1003.1	999.1	996.0	987.8
30°	983.8	981.8	983.8	981.8	979.7	977.7	972.6	970.6	974.6	972.6	959.3
32.5°	953.3	951.3	953.3	953.3	951.3	951.3	943.1	940.0	941.0	947.2	934.9
35°	921.7	918.7	921.7	920.7	921.7	918.7	913.6	912.5	908.5	915.6	906.4
37.5°	885.1	882.0	885.1	885.1	885.1	887.1	883.0	880.0	873.9	883.0	876.0
40°	847.5	843.4	847.5	846.5	847.5	849.5	847.5	845.4	839.3	846.5	840.3
42.5°	804.7	803.7	804.7	805.7	805.7	809.8	812.9	808.8	806.7	801.6	805.7
45°	758.9	756.9	758.9	761.0	762.0	764.0	773.2	773.2	770.2	762.0	768.1
47.5°	710.1	705.0	710.1	716.3	716.3	719.3	728.4	735.6	730.4	720.3	723.3
50°	658.2	659.3	658.2	662.3	662.3	673.5	680.6	687.8	692.8	680.6	666.4
52.5°	607.4	606.4	607.4	610.4	614.5	619.5	631.8	638.9	647.0	639.9	617.5
55°	556.5	558.6	556.5	557.5	559.6	562.6	580.9	588.0	603.3	594.1	570.7
57.5°	505.7	502.6	505.7	507.7	508.7	511.7	527.0	540.2	549.4	550.4	521.9
60°	446.6	442.5	446.6	455.8	457.8	459.8	474.1	486.3	494.4	497.5	468.0
62.5°	394.7	387.6	394.7	400.9	404.9	410.0	420.2	438.5	445.6	446.6	404.9
65°	339.8	336.7	339.8	352.0	353.0	359.1	370.3	383.5	398.8	396.8	336.7
67.5°	290.0	290.0	290.0	298.1	304.2	307.2	321.5	327.6	346.9	349.0	280.8
70°	244.2	243.2	244.2	250.2	254.3	261.5	274.7	281.8	297.1	302.1	227.9
72.5°	200.4	199.4	200.4	205.5	209.6	215.7	226.8	235.0	248.2	254.3	177.0
75°	161.8	159.7	161.8	165.9	164.8	172.9	182.1	190.3	202.4	206.5	131.2
77.5°	124.1	124.1	124.1	128.2	128.2	136.3	140.4	150.5	157.7	163.8	96.6
80°	92.6	91.6	92.6	93.6	93.6	97.6	104.8	111.9	118.0	118.0	66.1
82.5°	65.1	63.1	65.1	65.1	65.1	67.1	71.2	73.2	77.3	80.4	41.7
85°	40.7	40.7	40.7	41.7	40.7	42.7	43.7	45.8	45.8	43.7	25.4
87.5°	26.5	25.4	26.5	25.4	25.4	24.4	24.4	24.4	23.4	22.4	14.2
90°	9.1	9.1	9.1	9.1	9.1	12.1	16.2	18.2	15.6	10.5	6.7
92.5°	36.3	29.1	36.3	43.6	45.4	64.3	89.6	102.2	89.7	64.8	46.0
95°	126.7	104.8	126.7	148.5	153.9	202.1	266.4	298.6	252.2	159.4	89.8
97.5°	303.5	261.9	303.5	345.0	355.4	385.9	426.5	446.8	369.4	214.7	98.6
100°	437.2	387.6	437.2	486.7	499.1	496.9	493.9	492.4	406.6	234.8	106.0
102.5°	568.7	526.3	568.7	611.1	621.8	583.0	531.2	505.4	418.3	244.0	113.3
105°	736.5	713.7	736.5	759.3	765.0	678.0	561.9	503.9	419.6	250.9	124.4
107.5°	846.4	851.9	846.4	840.8	839.5	718.0	556.2	475.2	400.9	252.2	140.6
110°	888.3	912.1	888.3	864.5	858.6	722.8	541.8	451.4	384.3	250.2	149.7



TEST NUMBER: P934822

CATALOG NUMBER: SQ4-FA-075U-100D-927-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	892.0	928.5	892.0	855.5	846.4	707.5	522.3	429.7	369.9	250.3	160.6
115°	868.4	919.0	868.4	817.7	805.1	671.3	492.9	403.6	353.3	252.6	177.1
117.5°	818.2	874.3	818.2	762.1	748.1	627.2	466.2	385.7	342.9	257.3	193.1
120°	777.8	832.3	777.8	723.3	709.6	599.3	452.1	378.5	339.4	261.1	202.4
122.5°	738.4	792.3	738.4	684.7	671.2	571.8	439.3	373.1	337.6	266.6	213.4
125°	682.3	731.8	682.3	632.8	620.4	536.0	423.4	367.1	336.1	274.0	227.5
127.5°	631.8	673.6	631.8	590.1	579.6	507.1	410.5	362.1	335.3	281.4	241.1
130°	602.1	640.6	602.1	563.4	553.8	489.3	403.2	360.2	335.7	286.8	250.2
132.5°	575.0	609.6	575.0	540.5	531.8	474.1	397.0	358.5	336.1	291.2	257.6
135°	538.1	567.9	538.1	508.3	500.8	452.5	387.9	355.7	335.8	296.0	266.1
137.5°	508.4	532.8	508.4	483.9	477.9	437.0	382.5	355.2	337.9	303.1	277.1
140°	488.0	510.8	488.0	465.2	459.5	424.1	377.1	353.5	338.2	307.5	284.5
142.5°	471.1	490.7	471.1	451.5	446.6	415.6	374.2	353.5	339.4	311.2	290.0
145°	445.8	460.7	445.8	431.0	427.3	401.9	368.1	351.1	339.4	315.9	298.4
147.5°	426.4	438.7	426.4	414.1	411.0	391.1	364.4	351.1	341.7	322.9	308.8
150°	414.2	424.2	414.2	404.2	401.7	384.8	362.4	351.1	343.0	326.6	314.4
152.5°	403.7	411.3	403.7	396.2	394.3	379.9	360.7	351.1	343.7	329.0	317.9
155°	391.7	396.7	391.7	386.7	385.5	374.0	358.7	351.1	345.5	334.3	325.8
157.5°	382.2	385.7	382.2	378.7	377.8	368.9	357.0	351.1	347.3	339.5	333.7
160°	376.5	378.5	376.5	374.5	374.1	366.4	356.2	351.1	348.0	341.9	337.3
162.5°	372.8	374.8	372.8	370.9	370.4	364.0	355.4	351.1	348.9	344.4	341.1
165°	367.5	369.5	367.5	365.5	365.0	360.4	354.2	351.1	350.1	348.1	346.6
167.5°	363.7	364.5	363.7	362.8	362.6	359.6	355.5	353.5	352.7	351.0	349.7
170°	362.6	362.6	362.6	362.6	362.6	359.6	355.5	353.5	353.4	353.4	353.3
172.5°	359.7	359.0	359.7	360.5	360.7	358.3	355.1	353.5	353.5	353.5	353.5
175°	358.0	358.0	358.0	358.0	358.0	356.5	354.5	353.5	354.0	355.0	355.7
177.5°	356.5	355.7	356.5	357.4	357.6	356.4	354.7	354.0	354.4	355.1	355.7
180°	355.7	355.7	355.7	355.7	355.7	355.7	355.7	355.7	355.7	355.7	355.7



TEST NUMBER: P934822

CATALOG NUMBER: SQ4-FA-075U-100D-927-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1075.3	1075.3	1075.3	1075.3	1075.3	1075.3	1075.3	1075.3	1075.3	1075.3	1075.3
2.5°	1090.6	1084.5	1084.5	1074.3	1070.2	1067.2	1062.1	1046.9	1042.8	1038.7	1044.8
5°	1099.8	1088.5	1080.5	1062.1	1046.9	1040.7	1021.4	984.8	960.3	942.1	931.9
7.5°	1101.8	1087.5	1072.3	1043.8	1007.2	990.9	931.9	864.8	846.5	830.1	820.0
10°	1099.8	1083.5	1062.1	1019.4	932.9	904.4	845.4	801.6	790.5	787.4	790.5
12.5°	1092.6	1077.4	1047.9	976.7	855.6	836.3	801.6	776.2	774.2	779.3	806.7
15°	1080.5	1066.2	1031.6	919.7	812.9	798.6	774.2	765.1	776.2	811.8	894.3
17.5°	1068.2	1052.0	1009.2	863.7	780.3	770.2	752.8	771.2	834.2	882.0	909.5
20°	1052.0	1032.6	983.8	823.1	756.9	747.7	739.6	822.1	869.9	887.1	902.4
22.5°	1032.6	1012.2	949.2	794.6	732.5	725.3	730.4	850.5	869.9	882.0	895.3
25°	1007.2	989.9	908.5	772.2	713.2	705.0	724.3	847.5	858.6	861.7	888.1
27.5°	983.8	961.4	865.8	751.8	689.8	686.7	729.4	834.2	842.4	845.4	873.9
30°	955.3	921.7	818.0	730.4	665.4	664.4	730.4	818.0	815.9	824.1	852.5
32.5°	925.8	862.7	764.0	704.0	641.9	640.9	723.3	793.6	791.5	802.7	824.1
35°	898.4	817.0	690.8	673.5	612.5	613.5	706.0	765.1	766.1	776.2	789.5
37.5°	869.9	777.2	610.4	639.9	584.0	584.0	682.6	738.6	736.6	739.6	757.9
40°	836.3	715.2	539.2	596.1	557.5	554.5	654.2	710.1	703.0	702.0	727.4
42.5°	800.6	647.0	486.3	538.2	527.0	522.9	619.5	675.5	662.3	665.4	697.9
45°	762.0	628.7	445.6	454.8	495.4	492.4	581.9	635.9	626.7	634.9	668.4
47.5°	723.3	592.1	432.4	377.5	461.8	460.8	540.2	597.2	592.1	600.2	635.9
50°	670.4	551.4	431.4	323.6	424.3	428.3	490.3	559.6	559.6	566.6	604.3
52.5°	602.3	501.6	391.7	293.0	380.5	392.7	446.6	527.0	529.0	536.2	569.7
55°	540.2	449.7	363.2	269.6	328.6	355.0	403.9	493.4	497.5	504.6	535.2
57.5°	483.3	374.4	357.1	242.2	280.8	306.2	366.2	460.8	462.9	469.0	498.5
60°	422.2	270.6	327.6	212.6	239.1	258.4	331.6	422.2	429.4	433.4	458.8
62.5°	353.0	196.4	297.1	192.3	218.8	222.8	303.1	385.5	394.7	397.8	413.0
65°	251.3	164.8	252.3	175.0	197.4	198.4	272.7	348.0	356.0	361.1	372.4
67.5°	169.9	134.3	192.3	158.7	181.1	182.1	243.2	304.2	315.4	319.5	326.6
70°	118.0	89.6	142.5	141.4	162.8	164.8	211.6	264.5	274.7	277.7	281.8
72.5°	86.5	72.2	118.0	127.2	143.5	145.5	179.0	219.8	229.9	233.0	235.0
75°	66.1	76.3	95.6	110.9	122.0	123.1	146.5	179.0	186.2	188.2	189.2
77.5°	52.9	71.2	70.2	89.6	99.7	97.6	115.0	138.4	144.5	144.5	144.5
80°	39.7	56.0	52.9	64.1	73.2	71.2	82.4	98.7	100.7	102.7	101.7
82.5°	29.5	35.6	35.6	40.7	48.8	46.8	54.9	64.1	64.1	64.1	66.1
85°	18.3	20.3	16.2	21.3	27.5	26.5	30.5	34.6	35.6	35.6	33.6
87.5°	11.2	9.2	5.1	8.2	12.2	12.2	14.2	15.2	14.2	14.2	14.2
90°	6.2	4.3	2.4	4.3	6.2	6.7	10.5	15.6	18.2	16.2	12.1
92.5°	42.0	25.8	9.5	25.8	42.0	46.0	64.8	89.7	102.2	89.6	64.3
95°	82.4	52.7	22.9	52.7	82.4	89.8	159.4	252.2	298.6	266.4	202.1
97.5°	92.0	65.8	39.7	65.8	92.0	98.6	214.7	369.4	446.8	426.5	385.9
100°	100.0	76.2	52.5	76.2	100.0	106.0	234.8	406.6	492.4	493.9	496.9
102.5°	107.8	85.7	63.5	85.7	107.8	113.3	244.0	418.3	505.4	531.2	583.0
105°	119.7	100.9	82.1	100.9	119.7	124.4	250.9	419.6	503.9	561.9	678.0
107.5°	136.2	118.7	101.2	118.7	136.2	140.6	252.2	400.9	475.2	556.2	718.0
110°	145.8	129.9	114.1	129.9	145.8	149.7	250.2	384.3	451.4	541.8	722.8



TEST NUMBER: P934822

CATALOG NUMBER: SQ4-FA-075U-100D-927-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	156.8	141.8	126.7	141.8	156.8	160.6	250.3	369.9	429.7	522.3	707.5
115°	173.6	159.7	145.8	159.7	173.6	177.1	252.6	353.3	403.6	492.9	671.3
117.5°	190.0	177.3	164.7	177.3	190.0	193.1	257.3	342.9	385.7	466.2	627.2
120°	199.4	187.6	175.7	187.6	199.4	202.4	261.1	339.4	378.5	452.1	599.3
122.5°	210.4	198.4	186.4	198.4	210.4	213.4	266.6	337.6	373.1	439.3	571.8
125°	224.8	213.8	202.9	213.8	224.8	227.5	274.0	336.1	367.1	423.4	536.0
127.5°	238.3	227.3	216.3	227.3	238.3	241.1	281.4	335.3	362.1	410.5	507.1
130°	247.2	235.3	223.5	235.3	247.2	250.2	286.8	335.7	360.2	403.2	489.3
132.5°	254.6	242.7	230.8	242.7	254.6	257.6	291.2	336.1	358.5	397.0	474.1
135°	263.4	252.6	241.8	252.6	263.4	266.1	296.0	335.8	355.7	387.9	452.5
137.5°	274.4	263.7	253.0	263.7	274.4	277.1	303.1	337.9	355.2	382.5	437.0
140°	282.1	272.2	262.3	272.2	282.1	284.5	307.5	338.2	353.5	377.1	424.1
142.5°	287.7	278.6	269.5	278.6	287.7	290.0	311.2	339.4	353.5	374.2	415.6
145°	296.4	288.4	280.4	288.4	296.4	298.4	315.9	339.4	351.1	368.1	401.9
147.5°	306.9	299.1	291.4	299.1	306.9	308.8	322.9	341.7	351.1	364.4	391.1
150°	312.6	305.6	298.6	305.6	312.6	314.4	326.6	343.0	351.1	362.4	384.8
152.5°	316.6	311.3	306.0	311.3	316.6	317.9	329.0	343.7	351.1	360.7	379.9
155°	324.8	320.9	317.0	320.9	324.8	325.8	334.3	345.5	351.1	358.7	374.0
157.5°	332.8	328.9	325.1	328.9	332.8	333.7	339.5	347.3	351.1	357.0	368.9
160°	336.5	333.6	330.6	333.6	336.5	337.3	341.9	348.0	351.1	356.2	366.4
162.5°	340.6	338.3	336.1	338.3	340.6	341.1	344.4	348.9	351.1	355.4	364.0
165°	346.0	344.0	342.0	344.0	346.0	346.6	348.1	350.1	351.1	354.2	360.4
167.5°	349.4	348.4	347.5	348.4	349.4	349.7	351.0	352.7	353.5	355.5	359.6
170°	353.0	352.0	351.1	352.0	353.0	353.3	353.4	353.4	353.5	355.5	359.6
172.5°	353.4	353.3	353.0	353.3	353.4	353.5	353.5	353.5	353.5	355.1	358.3
175°	355.7	355.7	355.7	355.7	355.7	355.7	355.0	354.0	353.5	354.5	356.5
177.5°	355.7	355.7	355.7	355.7	355.7	355.7	355.1	354.4	354.0	354.7	356.4
180°	355.7	355.7	355.7	355.7	355.7	355.7	355.7	355.7	355.7	355.7	355.7



TEST NUMBER: P934822
 CATALOG NUMBER: SQ4-FA-075U-100D-927-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1075.3	1075.3	1075.3	1075.3	1075.3	1075.3	1075.3	1075.3	1075.3	1075.3	1075.3
2.5°	1037.7	1034.6	1038.7	1027.5	1038.7	1034.6	1037.7	1044.8	1038.7	1042.8	1046.9
5°	910.5	905.4	889.2	876.0	889.2	905.4	910.5	931.9	942.1	960.3	984.8
7.5°	813.9	809.8	805.7	797.6	805.7	809.8	813.9	820.0	830.1	846.5	864.8
10°	792.5	793.6	799.6	798.6	799.6	793.6	792.5	790.5	787.4	790.5	801.6
12.5°	847.5	856.6	890.2	888.1	890.2	856.6	847.5	806.7	779.3	774.2	776.2
15°	910.5	913.6	920.7	921.7	920.7	913.6	910.5	894.3	811.8	776.2	765.1
17.5°	916.6	917.7	922.8	922.8	922.8	917.7	916.6	909.5	882.0	834.2	771.2
20°	911.5	913.6	923.8	925.8	923.8	913.6	911.5	902.4	887.1	869.9	822.1
22.5°	909.5	913.6	921.7	920.7	921.7	913.6	909.5	895.3	882.0	869.9	850.5
25°	899.4	899.4	900.4	901.4	900.4	899.4	899.4	888.1	861.7	858.6	847.5
27.5°	878.0	880.0	886.1	885.1	886.1	880.0	878.0	873.9	845.4	842.4	834.2
30°	858.6	856.6	851.5	847.5	851.5	856.6	858.6	852.5	824.1	815.9	818.0
32.5°	826.1	821.0	815.9	812.9	815.9	821.0	826.1	824.1	802.7	791.5	793.6
35°	787.4	788.5	787.4	784.4	787.4	788.5	787.4	789.5	776.2	766.1	765.1
37.5°	760.0	762.0	761.0	756.9	761.0	762.0	760.0	757.9	739.6	736.6	738.6
40°	731.5	732.5	731.5	728.4	731.5	732.5	731.5	727.4	702.0	703.0	710.1
42.5°	704.0	703.0	699.9	697.9	699.9	703.0	704.0	697.9	665.4	662.3	675.5
45°	672.4	673.5	667.4	664.4	667.4	673.5	672.4	668.4	634.9	626.7	635.9
47.5°	640.9	640.9	635.9	632.8	635.9	640.9	640.9	635.9	600.2	592.1	597.2
50°	607.4	606.4	599.2	598.2	599.2	606.4	607.4	604.3	566.6	559.6	559.6
52.5°	568.7	568.7	569.7	571.7	569.7	568.7	568.7	569.7	536.2	529.0	527.0
55°	535.2	536.2	543.2	545.3	543.2	536.2	535.2	535.2	504.6	497.5	493.4
57.5°	500.5	500.5	505.7	505.7	505.7	500.5	500.5	498.5	469.0	462.9	460.8
60°	460.8	462.9	466.9	465.9	466.9	462.9	460.8	458.8	433.4	429.4	422.2
62.5°	419.1	421.2	422.2	420.2	422.2	421.2	419.1	413.0	397.8	394.7	385.5
65°	375.4	377.5	378.5	376.5	378.5	377.5	375.4	372.4	361.1	356.0	348.0
67.5°	330.6	329.6	328.6	332.6	328.6	329.6	330.6	326.6	319.5	315.4	304.2
70°	284.8	284.8	283.8	285.9	283.8	284.8	284.8	281.8	277.7	274.7	264.5
72.5°	236.0	235.0	239.1	236.0	239.1	235.0	236.0	235.0	233.0	229.9	219.8
75°	188.2	190.3	188.2	191.3	188.2	190.3	188.2	189.2	188.2	186.2	179.0
77.5°	143.5	145.5	143.5	143.5	143.5	145.5	143.5	144.5	144.5	144.5	138.4
80°	101.7	100.7	100.7	99.7	100.7	100.7	101.7	101.7	102.7	100.7	98.7
82.5°	65.1	64.1	64.1	66.1	64.1	64.1	65.1	66.1	64.1	64.1	64.1
85°	35.6	36.7	34.6	34.6	34.6	36.7	35.6	33.6	35.6	35.6	34.6
87.5°	13.2	12.2	12.2	12.2	12.2	12.2	13.2	14.2	14.2	14.2	15.2
90°	9.1	9.1	9.1	9.1	9.1	9.1	9.1	12.1	16.2	18.2	15.6
92.5°	45.4	43.6	36.3	29.1	36.3	43.6	45.4	64.3	89.6	102.2	89.7
95°	153.9	148.5	126.7	104.8	126.7	148.5	153.9	202.1	266.4	298.6	252.2
97.5°	355.4	345.0	303.5	261.9	303.5	345.0	355.4	385.9	426.5	446.8	369.4
100°	499.1	486.7	437.2	387.6	437.2	486.7	499.1	496.9	493.9	492.4	406.6
102.5°	621.8	611.1	568.7	526.3	568.7	611.1	621.8	583.0	531.2	505.4	418.3
105°	765.0	759.3	736.5	713.7	736.5	759.3	765.0	678.0	561.9	503.9	419.6
107.5°	839.5	840.8	846.4	851.9	846.4	840.8	839.5	718.0	556.2	475.2	400.9
110°	858.6	864.5	888.3	912.1	888.3	864.5	858.6	722.8	541.8	451.4	384.3



TEST NUMBER: P934822

CATALOG NUMBER: SQ4-FA-075U-100D-927-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	846.4	855.5	892.0	928.5	892.0	855.5	846.4	707.5	522.3	429.7	369.9
115°	805.1	817.7	868.4	919.0	868.4	817.7	805.1	671.3	492.9	403.6	353.3
117.5°	748.1	762.1	818.2	874.3	818.2	762.1	748.1	627.2	466.2	385.7	342.9
120°	709.6	723.3	777.8	832.3	777.8	723.3	709.6	599.3	452.1	378.5	339.4
122.5°	671.2	684.7	738.4	792.3	738.4	684.7	671.2	571.8	439.3	373.1	337.6
125°	620.4	632.8	682.3	731.8	682.3	632.8	620.4	536.0	423.4	367.1	336.1
127.5°	579.6	590.1	631.8	673.6	631.8	590.1	579.6	507.1	410.5	362.1	335.3
130°	553.8	563.4	602.1	640.6	602.1	563.4	553.8	489.3	403.2	360.2	335.7
132.5°	531.8	540.5	575.0	609.6	575.0	540.5	531.8	474.1	397.0	358.5	336.1
135°	500.8	508.3	538.1	567.9	538.1	508.3	500.8	452.5	387.9	355.7	335.8
137.5°	477.9	483.9	508.4	532.8	508.4	483.9	477.9	437.0	382.5	355.2	337.9
140°	459.5	465.2	488.0	510.8	488.0	465.2	459.5	424.1	377.1	353.5	338.2
142.5°	446.6	451.5	471.1	490.7	471.1	451.5	446.6	415.6	374.2	353.5	339.4
145°	427.3	431.0	445.8	460.7	445.8	431.0	427.3	401.9	368.1	351.1	339.4
147.5°	411.0	414.1	426.4	438.7	426.4	414.1	411.0	391.1	364.4	351.1	341.7
150°	401.7	404.2	414.2	424.2	414.2	404.2	401.7	384.8	362.4	351.1	343.0
152.5°	394.3	396.2	403.7	411.3	403.7	396.2	394.3	379.9	360.7	351.1	343.7
155°	385.5	386.7	391.7	396.7	391.7	386.7	385.5	374.0	358.7	351.1	345.5
157.5°	377.8	378.7	382.2	385.7	382.2	378.7	377.8	368.9	357.0	351.1	347.3
160°	374.1	374.5	376.5	378.5	376.5	374.5	374.1	366.4	356.2	351.1	348.0
162.5°	370.4	370.9	372.8	374.8	372.8	370.9	370.4	364.0	355.4	351.1	348.9
165°	365.0	365.5	367.5	369.5	367.5	365.5	365.0	360.4	354.2	351.1	350.1
167.5°	362.6	362.8	363.7	364.5	363.7	362.8	362.6	359.6	355.5	353.5	352.7
170°	362.6	362.6	362.6	362.6	362.6	362.6	362.6	359.6	355.5	353.5	353.4
172.5°	360.7	360.5	359.7	359.0	359.7	360.5	360.7	358.3	355.1	353.5	353.5
175°	358.0	358.0	358.0	358.0	358.0	358.0	358.0	356.5	354.5	353.5	354.0
177.5°	357.6	357.4	356.5	355.7	356.5	357.4	357.6	356.4	354.7	354.0	354.4
180°	355.7	355.7	355.7	355.7	355.7	355.7	355.7	355.7	355.7	355.7	355.7



TEST NUMBER: P934822

CATALOG NUMBER: SQ4-FA-075U-100D-927-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1075.3	1075.3	1075.3	1075.3	1075.3
2.5°	1062.1	1067.2	1070.2	1074.3	1084.5
5°	1021.4	1040.7	1046.9	1062.1	1080.5
7.5°	931.9	990.9	1007.2	1043.8	1072.3
10°	845.4	904.4	932.9	1019.4	1062.1
12.5°	801.6	836.3	855.6	976.7	1047.9
15°	774.2	798.6	812.9	919.7	1031.6
17.5°	752.8	770.2	780.3	863.7	1009.2
20°	739.6	747.7	756.9	823.1	983.8
22.5°	730.4	725.3	732.5	794.6	949.2
25°	724.3	705.0	713.2	772.2	908.5
27.5°	729.4	686.7	689.8	751.8	865.8
30°	730.4	664.4	665.4	730.4	818.0
32.5°	723.3	640.9	641.9	704.0	764.0
35°	706.0	613.5	612.5	673.5	690.8
37.5°	682.6	584.0	584.0	639.9	610.4
40°	654.2	554.5	557.5	596.1	539.2
42.5°	619.5	522.9	527.0	538.2	486.3
45°	581.9	492.4	495.4	454.8	445.6
47.5°	540.2	460.8	461.8	377.5	432.4
50°	490.3	428.3	424.3	323.6	431.4
52.5°	446.6	392.7	380.5	293.0	391.7
55°	403.9	355.0	328.6	269.6	363.2
57.5°	366.2	306.2	280.8	242.2	357.1
60°	331.6	258.4	239.1	212.6	327.6
62.5°	303.1	222.8	218.8	192.3	297.1
65°	272.7	198.4	197.4	175.0	252.3
67.5°	243.2	182.1	181.1	158.7	192.3
70°	211.6	164.8	162.8	141.4	142.5
72.5°	179.0	145.5	143.5	127.2	118.0
75°	146.5	123.1	122.0	110.9	95.6
77.5°	115.0	97.6	99.7	89.6	70.2
80°	82.4	71.2	73.2	64.1	52.9
82.5°	54.9	46.8	48.8	40.7	35.6
85°	30.5	26.5	27.5	21.3	16.2
87.5°	14.2	12.2	12.2	8.2	5.1
90°	10.5	6.7	6.2	4.3	2.4
92.5°	64.8	46.0	42.0	25.8	9.5
95°	159.4	89.8	82.4	52.7	22.9
97.5°	214.7	98.6	92.0	65.8	39.7
100°	234.8	106.0	100.0	76.2	52.5
102.5°	244.0	113.3	107.8	85.7	63.5
105°	250.9	124.4	119.7	100.9	82.1
107.5°	252.2	140.6	136.2	118.7	101.2
110°	250.2	149.7	145.8	129.9	114.1



TEST NUMBER: P934822

CATALOG NUMBER: SQ4-FA-075U-100D-927-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	250.3	160.6	156.8	141.8	126.7
115°	252.6	177.1	173.6	159.7	145.8
117.5°	257.3	193.1	190.0	177.3	164.7
120°	261.1	202.4	199.4	187.6	175.7
122.5°	266.6	213.4	210.4	198.4	186.4
125°	274.0	227.5	224.8	213.8	202.9
127.5°	281.4	241.1	238.3	227.3	216.3
130°	286.8	250.2	247.2	235.3	223.5
132.5°	291.2	257.6	254.6	242.7	230.8
135°	296.0	266.1	263.4	252.6	241.8
137.5°	303.1	277.1	274.4	263.7	253.0
140°	307.5	284.5	282.1	272.2	262.3
142.5°	311.2	290.0	287.7	278.6	269.5
145°	315.9	298.4	296.4	288.4	280.4
147.5°	322.9	308.8	306.9	299.1	291.4
150°	326.6	314.4	312.6	305.6	298.6
152.5°	329.0	317.9	316.6	311.3	306.0
155°	334.3	325.8	324.8	320.9	317.0
157.5°	339.5	333.7	332.8	328.9	325.1
160°	341.9	337.3	336.5	333.6	330.6
162.5°	344.4	341.1	340.6	338.3	336.1
165°	348.1	346.6	346.0	344.0	342.0
167.5°	351.0	349.7	349.4	348.4	347.5
170°	353.4	353.3	353.0	352.0	351.1
172.5°	353.5	353.5	353.4	353.3	353.0
175°	355.0	355.7	355.7	355.7	355.7
177.5°	355.1	355.7	355.7	355.7	355.7
180°	355.7	355.7	355.7	355.7	355.7



TEST NUMBER: P934822
 CATALOG NUMBER: SQ4-FA-075U-100D-927-1D-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	13.21	14.12	14.13	15.05	16.26	16.01	16.92	16.93	17.85	19.05
	3H	13.70	14.51	14.62	15.45	16.68	17.35	18.16	18.28	19.11	20.33
	4H	13.89	14.66	14.83	15.60	16.84	17.79	18.56	18.73	19.51	20.74
	6H	14.01	14.72	14.96	15.67	16.92	18.07	18.78	19.02	19.73	20.98
	8H	14.01	14.69	14.97	15.66	16.90	18.14	18.82	19.10	19.79	21.03
	12H	13.99	14.63	14.95	15.59	16.86	18.18	18.82	19.14	19.78	21.05
4H	2H	14.24	15.01	15.19	15.96	17.20	16.43	17.20	17.38	18.14	19.38
	3H	15.27	15.91	16.23	16.89	18.14	17.93	18.57	18.89	19.55	20.80
	4H	15.55	16.14	16.52	17.11	18.38	18.45	19.04	19.42	20.01	21.28
	6H	15.68	16.18	16.66	17.18	18.45	18.81	19.31	19.79	20.31	21.58
	8H	15.69	16.16	16.67	17.15	18.43	18.91	19.38	19.90	20.37	21.66
	12H	15.66	16.08	16.66	17.09	18.38	18.97	19.39	19.97	20.40	21.69
8H	4H	16.01	16.48	16.99	17.46	18.75	18.58	19.05	19.56	20.04	21.33
	6H	16.27	16.66	17.28	17.69	18.97	19.01	19.40	20.02	20.43	21.72
	8H	16.31	16.65	17.33	17.67	18.98	19.16	19.50	20.17	20.52	21.82
	12H	16.30	16.60	17.32	17.61	18.96	19.25	19.55	20.27	20.57	21.92
12H	4H	16.01	16.44	17.01	17.44	18.73	18.55	18.97	19.55	19.98	21.27
	6H	16.33	16.67	17.34	17.69	18.99	19.01	19.35	20.02	20.37	21.67
	8H	16.40	16.70	17.42	17.71	19.06	19.17	19.47	20.19	20.48	21.83