

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: P935123

Luminaire Tested: SQ4-FA-100U-075D-927-1D-UNV-STD-W-6

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935123
REPORT IS A COMBINATION OF REPORTS P933743 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-100U-075D-927-1D-UNV-STD-W-6
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

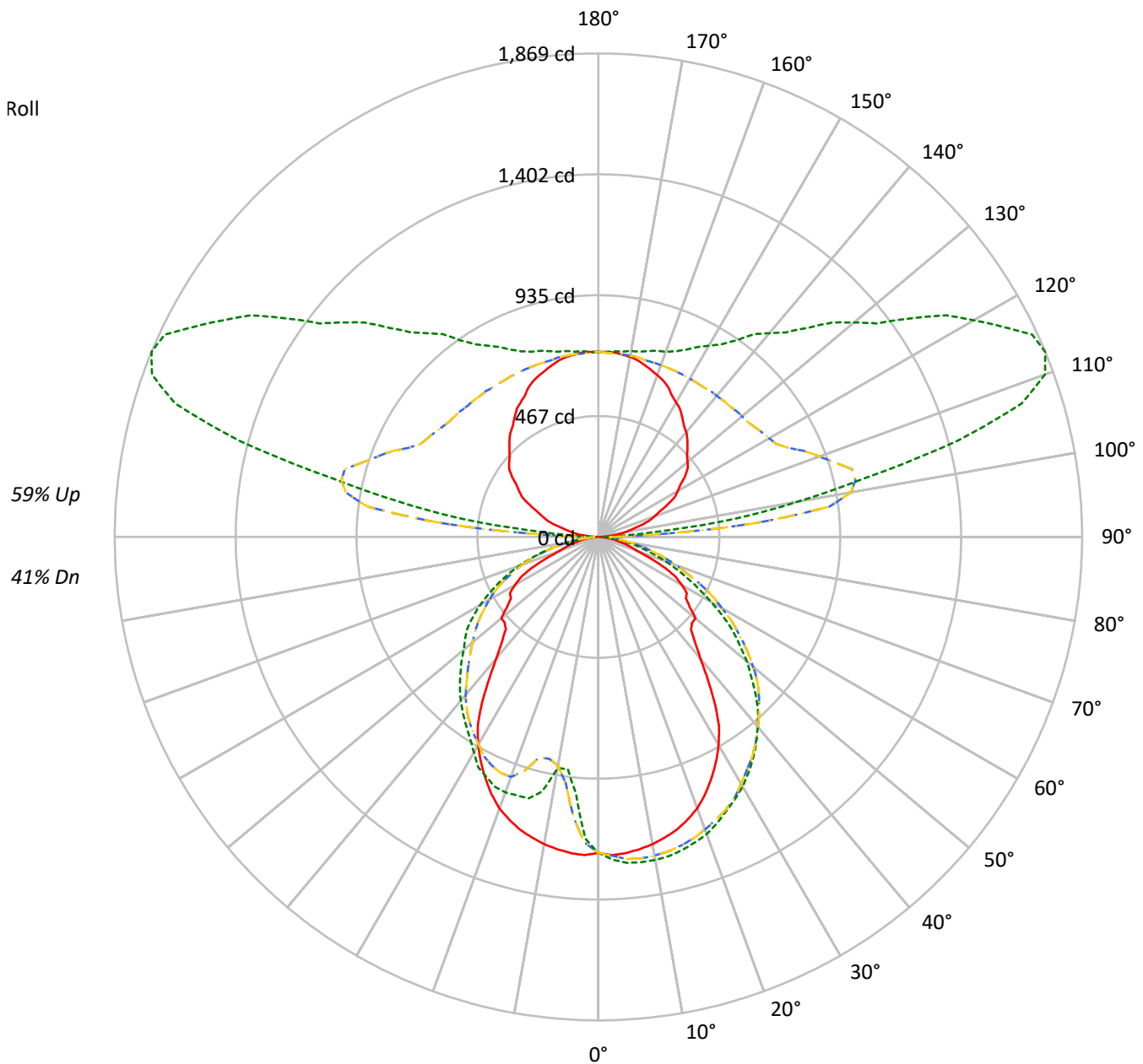
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7808.5 lumens
Efficiency: N/A
Efficacy: 105.8 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 6' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 73.8
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

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Luminous Intensity Polar Plot



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



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				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	105	105	105	105	96	96	96	96	78	78	78	62	62	62	47	47	47	47	47	47	41
1	96	91	88	84	87	83	80	77	68	66	64	55	53	52	42	41	40	40	40	40	34
2	87	80	74	69	79	73	68	63	60	56	53	48	45	43	37	35	34	34	34	34	29
3	79	70	63	57	72	64	58	53	53	48	45	42	39	37	33	31	29	29	29	29	24
4	73	62	54	48	66	57	50	45	47	42	38	38	34	31	29	27	25	25	25	25	21
5	67	55	47	41	60	51	44	38	42	37	33	34	30	27	26	24	22	22	22	22	18
6	61	49	41	36	56	45	38	33	38	32	28	31	27	24	24	21	19	19	19	19	16
7	57	45	37	31	51	41	34	29	34	29	25	28	24	21	22	19	17	17	17	17	14
8	52	40	33	27	48	37	30	26	31	26	22	25	21	18	20	17	15	15	15	15	13
9	49	37	29	24	44	34	27	23	28	23	20	23	19	17	18	16	13	13	13	13	11
10	46	34	26	22	41	31	25	20	26	21	18	21	18	15	17	14	12	12	12	12	10

AVERAGE LUMINANCE (cd/sqm):

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

MAXIMUM LUMINANCE 45°-90°:

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



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.2	1.4
10°-20°	312.9	4.0
20°-30°	483.7	6.2
30°-40°	577.4	7.4
40°-50°	580.8	7.4
50°-60°	505.4	6.5
60°-70°	358.3	4.6
70°-80°	189.6	2.4
80°-90°	49.9	0.6
90°-100°	348.9	4.5
100°-110°	917.3	11.7
110°-120°	951.2	12.2
120°-130°	763.0	9.8
130°-140°	598.7	7.7
140°-150°	459.5	5.9
150°-160°	330.9	4.2
160°-170°	202.5	2.6
170°-180°	68.4	0.9
0°-30°	906.8	11.6
0°-40°	1484.2	19.0
0°-60°	2570.3	32.9
0°-90°	3168.1	40.6
90°-120°	2217.4	28.4
90°-150°	4038.6	51.7
90°-180°	4640.0	59.4
0°-180°	7808.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1221	1221	1221	1221	1221	
5°	1227	1265	1227	994	1227	116
15°	1171	1253	1171	1046	1171	330
25°	1031	1169	1031	1023	1031	474
35°	784	1043	784	890	784	485
45°	506	859	506	754	506	405
55°	412	634	412	619	412	379
65°	286	382	286	427	286	274
75°	109	181	109	217	109	114
85°	18	46	18	39	18	25
90°	5	18	5	18	5	5
95°	46	211	46	211	46	51
105°	165	1436	165	1436	165	175
115°	294	1850	294	1850	294	290
125°	408	1473	408	1473	408	363
135°	487	1143	487	1143	487	377
145°	564	927	564	927	564	354
155°	638	798	638	798	638	293
165°	688	744	688	744	688	194
175°	716	721	716	721	716	68
180°	716	716	716	716	716	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1220.8	1220.8	1220.8	1220.8	1220.8	1220.8	1220.8	1220.8	1220.8	1220.8	1220.8
2.5°	1231.2	1231.2	1238.2	1240.5	1240.5	1237.0	1233.5	1237.0	1247.4	1250.9	1249.7
5°	1226.6	1235.9	1248.6	1250.9	1253.2	1252.0	1249.7	1252.0	1263.6	1265.9	1267.0
7.5°	1217.4	1234.7	1250.9	1254.3	1257.8	1254.3	1253.2	1255.5	1267.0	1269.3	1269.3
10°	1205.8	1230.1	1248.6	1250.9	1254.3	1250.9	1250.9	1255.5	1267.0	1269.3	1270.5
12.5°	1189.6	1223.1	1240.5	1242.8	1247.4	1246.2	1245.1	1249.7	1261.3	1263.6	1263.6
15°	1171.2	1210.4	1226.6	1228.9	1237.0	1234.7	1234.7	1239.3	1252.0	1255.5	1254.3
17.5°	1145.8	1194.3	1212.8	1216.2	1222.0	1220.8	1222.0	1226.6	1238.2	1240.5	1241.6
20°	1116.9	1172.3	1194.3	1197.7	1203.5	1203.5	1203.5	1209.3	1220.8	1225.5	1225.5
22.5°	1077.6	1149.2	1172.3	1174.6	1181.6	1181.6	1183.9	1192.0	1202.4	1203.5	1203.5
25°	1031.4	1123.8	1143.4	1150.4	1157.3	1160.8	1164.2	1168.9	1172.3	1171.2	1172.3
27.5°	982.9	1091.5	1116.9	1121.5	1130.7	1134.2	1138.8	1140.0	1141.1	1144.6	1142.3
30°	928.6	1046.4	1084.5	1089.2	1104.2	1106.5	1101.9	1104.2	1110.0	1112.3	1114.6
32.5°	867.4	979.4	1051.0	1061.4	1075.3	1068.4	1067.2	1070.7	1079.9	1079.9	1082.2
35°	784.2	927.5	1019.9	1029.1	1039.5	1031.4	1036.0	1037.2	1043.0	1046.4	1045.3
37.5°	693.0	882.4	987.5	994.5	1002.5	992.1	999.1	1002.5	1007.2	1004.8	1004.8
40°	612.2	812.0	949.4	954.0	961.0	952.9	959.8	962.1	964.4	962.1	961.0
42.5°	552.1	734.6	909.0	914.8	910.1	915.9	918.2	922.8	919.4	914.8	914.8
45°	505.9	713.8	865.1	872.0	865.1	874.3	877.8	877.8	867.4	865.1	863.9
47.5°	490.9	672.2	821.2	821.2	817.7	829.3	835.1	827.0	816.6	813.1	813.1
50°	489.7	626.0	761.1	756.5	772.7	786.6	780.8	772.7	764.6	751.9	751.9
52.5°	444.7	569.4	683.8	701.1	726.5	734.6	725.3	717.3	703.4	697.6	693.0
55°	412.3	510.5	613.3	648.0	674.5	684.9	667.6	659.5	638.7	635.2	632.9
57.5°	405.4	425.0	548.6	592.5	624.9	623.7	613.3	598.3	581.0	577.5	576.3
60°	371.9	307.2	479.3	531.3	564.8	561.3	552.1	538.2	522.1	519.8	517.4
62.5°	337.3	222.9	400.8	459.7	507.0	505.9	497.8	477.0	465.5	459.7	455.1
65°	286.4	187.1	285.3	382.3	450.4	452.8	435.4	420.4	407.7	400.8	399.6
67.5°	218.3	152.5	192.9	318.8	396.2	393.9	371.9	365.0	348.8	345.3	338.4
70°	161.7	101.6	134.0	258.7	343.0	337.3	319.9	311.8	296.8	288.8	284.1
72.5°	134.0	82.0	98.2	201.0	288.8	281.8	266.8	257.6	244.9	237.9	233.3
75°	108.6	86.6	75.1	149.0	234.5	229.8	216.0	206.7	196.4	187.1	188.3
77.5°	79.7	80.9	60.1	109.7	186.0	179.0	170.9	159.4	154.8	145.5	145.5
80°	60.1	63.5	45.0	75.1	134.0	134.0	127.0	119.0	110.9	106.3	106.3
82.5°	40.4	40.4	33.5	47.4	91.2	87.8	83.2	80.9	76.2	73.9	73.9
85°	18.5	23.1	20.8	28.9	49.7	52.0	52.0	49.7	48.5	46.2	47.4
87.5°	5.8	10.4	12.7	16.2	25.4	26.6	27.7	27.7	27.7	28.9	28.9
90°	4.8	8.6	12.5	13.5	21.2	31.4	36.5	32.4	24.3	18.2	18.2
92.5°	19.2	51.9	84.5	92.7	130.4	180.5	205.6	180.2	129.4	91.2	87.6
95°	46.1	105.9	165.7	180.6	320.8	507.6	601.0	536.3	406.9	309.8	298.8
97.5°	79.8	132.5	185.3	198.4	432.0	743.6	899.4	858.5	776.7	715.3	694.4
100°	105.7	153.5	201.4	213.3	472.5	818.2	991.1	994.1	1000.1	1004.5	979.6
102.5°	127.8	172.5	217.1	228.2	491.2	841.8	1017.0	1069.1	1173.3	1251.5	1230.2
105°	165.2	203.0	240.9	250.3	505.0	844.5	1014.2	1131.0	1364.5	1539.7	1528.2
107.5°	203.7	238.9	274.2	283.0	507.5	806.8	956.5	1119.4	1445.2	1689.6	1692.4
110°	229.6	261.4	293.3	301.2	503.7	773.5	908.4	1090.6	1454.8	1728.0	1740.0



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	255.1	285.4	315.8	323.3	503.8	744.4	864.7	1051.1	1424.0	1703.5	1721.9
115°	293.5	321.5	349.4	356.4	508.4	711.0	812.4	991.9	1351.1	1620.5	1646.0
117.5°	331.5	356.9	382.3	388.6	517.8	690.2	776.3	938.4	1262.5	1505.6	1533.8
120°	353.6	377.5	401.4	407.4	525.6	683.1	761.9	910.0	1206.1	1428.3	1455.7
122.5°	375.2	399.3	423.5	429.5	536.6	679.4	750.9	884.3	1150.9	1350.9	1378.0
125°	408.3	430.4	452.4	457.8	551.6	676.4	738.9	852.2	1078.7	1248.6	1273.6
127.5°	435.3	457.5	479.7	485.3	566.4	674.7	728.8	826.1	1020.6	1166.5	1187.5
130°	449.7	473.6	497.5	503.5	577.3	675.8	725.0	811.5	984.7	1114.6	1134.0
132.5°	464.5	488.5	512.4	518.4	586.1	676.4	721.6	799.1	954.1	1070.4	1087.8
135°	486.6	508.4	530.2	535.7	595.7	675.8	715.8	780.7	910.5	1007.9	1022.9
137.5°	509.2	530.8	552.4	557.8	610.1	680.0	714.9	769.8	879.5	961.8	974.0
140°	528.0	547.9	567.7	572.6	618.9	680.6	711.5	758.9	853.7	924.8	936.2
142.5°	542.4	560.8	579.1	583.7	626.3	683.1	711.5	753.1	836.4	898.8	908.7
145°	564.5	580.5	596.5	600.5	635.9	683.1	706.7	740.7	808.9	859.9	867.4
147.5°	586.6	602.1	617.7	621.6	650.0	687.8	706.7	733.5	787.1	827.3	833.4
150°	601.0	615.1	629.2	632.7	657.3	690.2	706.7	729.3	774.5	808.5	813.5
152.5°	615.9	626.6	637.3	639.9	662.2	691.8	706.7	726.0	764.7	793.6	797.4
155°	638.0	645.9	653.7	655.7	672.7	695.4	706.7	722.1	752.8	775.9	778.4
157.5°	654.3	662.0	669.7	671.6	683.3	698.9	706.7	718.6	742.6	760.5	762.3
160°	665.4	671.4	677.4	678.8	688.1	700.5	706.7	716.9	737.4	752.8	753.8
162.5°	676.4	680.9	685.4	686.5	693.2	702.2	706.7	715.3	732.7	745.6	746.5
165°	688.5	692.5	696.5	697.5	700.6	704.7	706.7	712.9	725.3	734.6	735.6
167.5°	699.5	701.4	703.3	703.8	706.3	709.8	711.5	715.6	723.6	729.7	730.2
170°	706.7	708.6	710.6	711.0	711.2	711.4	711.5	715.6	723.6	729.7	729.7
172.5°	710.6	710.9	711.4	711.5	711.5	711.5	711.5	714.7	721.1	725.9	725.5
175°	715.8	715.8	715.8	715.8	714.3	712.4	711.5	713.5	717.6	720.6	720.6
177.5°	715.8	715.8	715.8	715.8	714.7	713.3	712.5	714.1	717.3	719.6	719.2
180°	715.8	715.8	715.8	715.8	715.8	715.8	715.8	715.8	715.8	715.8	715.8



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1220.8	1220.8	1220.8	1220.8	1220.8	1220.8	1220.8	1220.8	1220.8	1220.8	1220.8
2.5°	1252.0	1248.6	1252.0	1249.7	1250.9	1247.4	1237.0	1233.5	1237.0	1240.5	1240.5
5°	1267.0	1264.7	1267.0	1267.0	1265.9	1263.6	1252.0	1249.7	1252.0	1253.2	1250.9
7.5°	1271.7	1268.2	1271.7	1269.3	1269.3	1267.0	1255.5	1253.2	1254.3	1257.8	1254.3
10°	1271.7	1268.2	1271.7	1270.5	1269.3	1267.0	1255.5	1250.9	1250.9	1254.3	1250.9
12.5°	1265.9	1263.6	1265.9	1263.6	1263.6	1261.3	1249.7	1245.1	1246.2	1247.4	1242.8
15°	1256.6	1253.2	1256.6	1254.3	1255.5	1252.0	1239.3	1234.7	1234.7	1237.0	1228.9
17.5°	1242.8	1238.2	1242.8	1241.6	1240.5	1238.2	1226.6	1222.0	1220.8	1222.0	1216.2
20°	1226.6	1223.1	1226.6	1225.5	1225.5	1220.8	1209.3	1203.5	1203.5	1203.5	1197.7
22.5°	1201.2	1197.7	1201.2	1203.5	1203.5	1202.4	1192.0	1183.9	1181.6	1181.6	1174.6
25°	1172.3	1168.9	1172.3	1172.3	1171.2	1172.3	1168.9	1164.2	1160.8	1157.3	1150.4
27.5°	1144.6	1142.3	1144.6	1142.3	1144.6	1141.1	1140.0	1138.8	1134.2	1130.7	1121.5
30°	1116.9	1114.6	1116.9	1114.6	1112.3	1110.0	1104.2	1101.9	1106.5	1104.2	1089.2
32.5°	1082.2	1079.9	1082.2	1082.2	1079.9	1079.9	1070.7	1067.2	1068.4	1075.3	1061.4
35°	1046.4	1043.0	1046.4	1045.3	1046.4	1043.0	1037.2	1036.0	1031.4	1039.5	1029.1
37.5°	1004.8	1001.4	1004.8	1004.8	1004.8	1007.2	1002.5	999.1	992.1	1002.5	994.5
40°	962.1	957.5	962.1	961.0	962.1	964.4	962.1	959.8	952.9	961.0	954.0
42.5°	913.6	912.4	913.6	914.8	914.8	919.4	922.8	918.2	915.9	910.1	914.8
45°	861.6	859.3	861.6	863.9	865.1	867.4	877.8	877.8	874.3	865.1	872.0
47.5°	806.2	800.4	806.2	813.1	813.1	816.6	827.0	835.1	829.3	817.7	821.2
50°	747.3	748.4	747.3	751.9	751.9	764.6	772.7	780.8	786.6	772.7	756.5
52.5°	689.5	688.4	689.5	693.0	697.6	703.4	717.3	725.3	734.6	726.5	701.1
55°	631.8	634.1	631.8	632.9	635.2	638.7	659.5	667.6	684.9	674.5	648.0
57.5°	574.0	570.6	574.0	576.3	577.5	581.0	598.3	613.3	623.7	624.9	592.5
60°	507.0	502.4	507.0	517.4	519.8	522.1	538.2	552.1	561.3	564.8	531.3
62.5°	448.1	440.1	448.1	455.1	459.7	465.5	477.0	497.8	505.9	507.0	459.7
65°	385.8	382.3	385.8	399.6	400.8	407.7	420.4	435.4	452.8	450.4	382.3
67.5°	329.2	329.2	329.2	338.4	345.3	348.8	365.0	371.9	393.9	396.2	318.8
70°	277.2	276.0	277.2	284.1	288.8	296.8	311.8	319.9	337.3	343.0	258.7
72.5°	227.5	226.4	227.5	233.3	237.9	244.9	257.6	266.8	281.8	288.8	201.0
75°	183.6	181.3	183.6	188.3	187.1	196.4	206.7	216.0	229.8	234.5	149.0
77.5°	140.9	140.9	140.9	145.5	145.5	154.8	159.4	170.9	179.0	186.0	109.7
80°	105.1	104.0	105.1	106.3	106.3	110.9	119.0	127.0	134.0	134.0	75.1
82.5°	73.9	71.6	73.9	73.9	73.9	76.2	80.9	83.2	87.8	91.2	47.4
85°	46.2	46.2	46.2	47.4	46.2	48.5	49.7	52.0	52.0	49.7	28.9
87.5°	30.0	28.9	30.0	28.9	28.9	27.7	27.7	27.7	26.6	25.4	16.2
90°	18.2	18.2	18.2	18.2	18.2	24.3	32.4	36.5	31.4	21.2	13.5
92.5°	73.1	58.6	73.1	87.6	91.2	129.4	180.2	205.6	180.5	130.4	92.7
95°	254.9	210.9	254.9	298.8	309.8	406.9	536.3	601.0	507.6	320.8	180.6
97.5°	610.7	527.0	610.7	694.4	715.3	776.7	858.5	899.4	743.6	432.0	198.4
100°	879.9	780.2	879.9	979.6	1004.5	1000.1	994.1	991.1	818.2	472.5	213.3
102.5°	1144.7	1059.3	1144.7	1230.2	1251.5	1173.3	1069.1	1017.0	841.8	491.2	228.2
105°	1482.3	1436.4	1482.3	1528.2	1539.7	1364.5	1131.0	1014.2	844.5	505.0	250.3
107.5°	1703.5	1714.6	1703.5	1692.4	1689.6	1445.2	1119.4	956.5	806.8	507.5	283.0
110°	1787.9	1835.7	1787.9	1740.0	1728.0	1454.8	1090.6	908.4	773.5	503.7	301.2



TEST NUMBER: P935123

CATALOG NUMBER: SQ4-FA-100U-075D-927-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	1795.3	1868.8	1795.3	1721.9	1703.5	1424.0	1051.1	864.7	744.4	503.8	323.3
115°	1747.7	1849.6	1747.7	1646.0	1620.5	1351.1	991.9	812.4	711.0	508.4	356.4
117.5°	1646.8	1759.8	1646.8	1533.8	1505.6	1262.5	938.4	776.3	690.2	517.8	388.6
120°	1565.5	1675.2	1565.5	1455.7	1428.3	1206.1	910.0	761.9	683.1	525.6	407.4
122.5°	1486.3	1594.5	1486.3	1378.0	1350.9	1150.9	884.3	750.9	679.4	536.6	429.5
125°	1373.2	1472.9	1373.2	1273.6	1248.6	1078.7	852.2	738.9	676.4	551.6	457.8
127.5°	1271.7	1355.7	1271.7	1187.5	1166.5	1020.6	826.1	728.8	674.7	566.4	485.3
130°	1211.7	1289.4	1211.7	1134.0	1114.6	984.7	811.5	725.0	675.8	577.3	503.5
132.5°	1157.4	1227.0	1157.4	1087.8	1070.4	954.1	799.1	721.6	676.4	586.1	518.4
135°	1082.9	1142.9	1082.9	1022.9	1007.9	910.5	780.7	715.8	675.8	595.7	535.7
137.5°	1023.2	1072.3	1023.2	974.0	961.8	879.5	769.8	714.9	680.0	610.1	557.8
140°	982.2	1028.1	982.2	936.2	924.8	853.7	758.9	711.5	680.6	618.9	572.6
142.5°	948.3	987.8	948.3	908.7	898.8	836.4	753.1	711.5	683.1	626.3	583.7
145°	897.4	927.2	897.4	867.4	859.9	808.9	740.7	706.7	683.1	635.9	600.5
147.5°	858.2	883.0	858.2	833.4	827.3	787.1	733.5	706.7	687.8	650.0	621.6
150°	833.6	853.7	833.6	813.5	808.5	774.5	729.3	706.7	690.2	657.3	632.7
152.5°	812.6	827.8	812.6	797.4	793.6	764.7	726.0	706.7	691.8	662.2	639.9
155°	788.4	798.4	788.4	778.4	775.9	752.8	722.1	706.7	695.4	672.7	655.7
157.5°	769.3	776.3	769.3	762.3	760.5	742.6	718.6	706.7	698.9	683.3	671.6
160°	757.9	761.9	757.9	753.8	752.8	737.4	716.9	706.7	700.5	688.1	678.8
162.5°	750.4	754.2	750.4	746.5	745.6	732.7	715.3	706.7	702.2	693.2	686.5
165°	739.7	743.7	739.7	735.6	734.6	725.3	712.9	706.7	704.7	700.6	697.5
167.5°	731.9	733.6	731.9	730.2	729.7	723.6	715.6	711.5	709.8	706.3	703.8
170°	729.7	729.7	729.7	729.7	729.7	723.6	715.6	711.5	711.4	711.2	711.0
172.5°	724.0	722.6	724.0	725.5	725.9	721.1	714.7	711.5	711.5	711.5	711.5
175°	720.6	720.6	720.6	720.6	720.6	717.6	713.5	711.5	712.4	714.3	715.8
177.5°	717.5	715.8	717.5	719.2	719.6	717.3	714.1	712.5	713.3	714.7	715.8
180°	715.8	715.8	715.8	715.8	715.8	715.8	715.8	715.8	715.8	715.8	715.8



TEST NUMBER: P935123
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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1220.8	1220.8	1220.8	1220.8	1220.8	1220.8	1220.8	1220.8	1220.8	1220.8	1220.8
2.5°	1238.2	1231.2	1231.2	1219.7	1215.1	1211.6	1205.8	1188.5	1183.9	1179.3	1186.2
5°	1248.6	1235.9	1226.6	1205.8	1188.5	1181.6	1159.6	1118.0	1090.3	1069.5	1058.0
7.5°	1250.9	1234.7	1217.4	1185.0	1143.4	1125.0	1058.0	981.8	961.0	942.5	930.9
10°	1248.6	1230.1	1205.8	1157.3	1059.1	1026.8	959.8	910.1	897.4	894.0	897.4
12.5°	1240.5	1223.1	1189.6	1108.8	971.4	949.4	910.1	881.3	879.0	884.7	915.9
15°	1226.6	1210.4	1171.2	1044.1	922.8	906.7	879.0	868.6	881.3	921.7	1015.2
17.5°	1212.8	1194.3	1145.8	980.6	885.9	874.3	854.7	875.5	947.1	1001.4	1032.6
20°	1194.3	1172.3	1116.9	934.4	859.3	848.9	839.7	933.2	987.5	1007.2	1024.5
22.5°	1172.3	1149.2	1077.6	902.1	831.6	823.5	829.3	965.6	987.5	1001.4	1016.4
25°	1143.4	1123.8	1031.4	876.6	809.7	800.4	822.4	962.1	974.8	978.3	1008.3
27.5°	1116.9	1091.5	982.9	853.5	783.1	779.6	828.1	947.1	956.3	959.8	992.1
30°	1084.5	1046.4	928.6	829.3	755.4	754.2	829.3	928.6	926.3	935.6	967.9
32.5°	1051.0	979.4	867.4	799.3	728.8	727.6	821.2	900.9	898.6	911.3	935.6
35°	1019.9	927.5	784.2	764.6	695.3	696.5	801.6	868.6	869.7	881.3	896.3
37.5°	987.5	882.4	693.0	726.5	663.0	663.0	775.0	838.5	836.2	839.7	860.5
40°	949.4	812.0	612.2	676.8	632.9	629.5	742.7	806.2	798.1	797.0	825.8
42.5°	909.0	734.6	552.1	611.0	598.3	593.7	703.4	766.9	751.9	755.4	792.3
45°	865.1	713.8	505.9	516.3	562.5	559.0	660.7	721.9	711.5	720.7	758.8
47.5°	821.2	672.2	490.9	428.5	524.4	523.2	613.3	678.0	672.2	681.4	721.9
50°	761.1	626.0	489.7	367.3	481.6	486.3	556.7	635.2	635.2	643.3	686.1
52.5°	683.8	569.4	444.7	332.6	432.0	445.8	507.0	598.3	600.6	608.7	646.8
55°	613.3	510.5	412.3	306.1	373.1	403.1	458.5	560.2	564.8	572.9	607.5
57.5°	548.6	425.0	405.4	274.9	318.8	347.7	415.8	523.2	525.5	532.5	566.0
60°	479.3	307.2	371.9	241.4	271.4	293.4	376.5	479.3	487.4	492.0	520.9
62.5°	400.8	222.9	337.3	218.3	248.3	252.9	344.2	437.7	448.1	451.6	468.9
65°	285.3	187.1	286.4	198.7	224.1	225.2	309.5	395.0	404.2	410.0	422.7
67.5°	192.9	152.5	218.3	180.2	205.6	206.7	276.0	345.3	358.0	362.7	370.8
70°	134.0	101.6	161.7	160.5	184.8	187.1	240.2	300.3	311.8	315.3	319.9
72.5°	98.2	82.0	134.0	144.4	162.9	165.2	203.3	249.5	261.0	264.5	266.8
75°	75.1	86.6	108.6	125.9	138.6	139.8	166.3	203.3	211.4	213.7	214.8
77.5°	60.1	80.9	79.7	101.6	113.2	110.9	130.5	157.1	164.0	164.0	164.0
80°	45.0	63.5	60.1	72.8	83.2	80.9	93.6	112.0	114.3	116.7	115.5
82.5°	33.5	40.4	40.4	46.2	55.4	53.1	62.4	72.8	72.8	72.8	75.1
85°	20.8	23.1	18.5	24.3	31.2	30.0	34.6	39.3	40.4	40.4	38.1
87.5°	12.7	10.4	5.8	9.2	13.9	13.9	16.2	17.3	16.2	16.2	16.2
90°	12.5	8.6	4.8	8.6	12.5	13.5	21.2	31.4	36.5	32.4	24.3
92.5°	84.5	51.9	19.2	51.9	84.5	92.7	130.4	180.5	205.6	180.2	129.4
95°	165.7	105.9	46.1	105.9	165.7	180.6	320.8	507.6	601.0	536.3	406.9
97.5°	185.3	132.5	79.8	132.5	185.3	198.4	432.0	743.6	899.4	858.5	776.7
100°	201.4	153.5	105.7	153.5	201.4	213.3	472.5	818.2	991.1	994.1	1000.1
102.5°	217.1	172.5	127.8	172.5	217.1	228.2	491.2	841.8	1017.0	1069.1	1173.3
105°	240.9	203.0	165.2	203.0	240.9	250.3	505.0	844.5	1014.2	1131.0	1364.5
107.5°	274.2	238.9	203.7	238.9	274.2	283.0	507.5	806.8	956.5	1119.4	1445.2
110°	293.3	261.4	229.6	261.4	293.3	301.2	503.7	773.5	908.4	1090.6	1454.8



TEST NUMBER: P935123

CATALOG NUMBER: SQ4-FA-100U-075D-927-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	315.8	285.4	255.1	285.4	315.8	323.3	503.8	744.4	864.7	1051.1	1424.0
115°	349.4	321.5	293.5	321.5	349.4	356.4	508.4	711.0	812.4	991.9	1351.1
117.5°	382.3	356.9	331.5	356.9	382.3	388.6	517.8	690.2	776.3	938.4	1262.5
120°	401.4	377.5	353.6	377.5	401.4	407.4	525.6	683.1	761.9	910.0	1206.1
122.5°	423.5	399.3	375.2	399.3	423.5	429.5	536.6	679.4	750.9	884.3	1150.9
125°	452.4	430.4	408.3	430.4	452.4	457.8	551.6	676.4	738.9	852.2	1078.7
127.5°	479.7	457.5	435.3	457.5	479.7	485.3	566.4	674.7	728.8	826.1	1020.6
130°	497.5	473.6	449.7	473.6	497.5	503.5	577.3	675.8	725.0	811.5	984.7
132.5°	512.4	488.5	464.5	488.5	512.4	518.4	586.1	676.4	721.6	799.1	954.1
135°	530.2	508.4	486.6	508.4	530.2	535.7	595.7	675.8	715.8	780.7	910.5
137.5°	552.4	530.8	509.2	530.8	552.4	557.8	610.1	680.0	714.9	769.8	879.5
140°	567.7	547.9	528.0	547.9	567.7	572.6	618.9	680.6	711.5	758.9	853.7
142.5°	579.1	560.8	542.4	560.8	579.1	583.7	626.3	683.1	711.5	753.1	836.4
145°	596.5	580.5	564.5	580.5	596.5	600.5	635.9	683.1	706.7	740.7	808.9
147.5°	617.7	602.1	586.6	602.1	617.7	621.6	650.0	687.8	706.7	733.5	787.1
150°	629.2	615.1	601.0	615.1	629.2	632.7	657.3	690.2	706.7	729.3	774.5
152.5°	637.3	626.6	615.9	626.6	637.3	639.9	662.2	691.8	706.7	726.0	764.7
155°	653.7	645.9	638.0	645.9	653.7	655.7	672.7	695.4	706.7	722.1	752.8
157.5°	669.7	662.0	654.3	662.0	669.7	671.6	683.3	698.9	706.7	718.6	742.6
160°	677.4	671.4	665.4	671.4	677.4	678.8	688.1	700.5	706.7	716.9	737.4
162.5°	685.4	680.9	676.4	680.9	685.4	686.5	693.2	702.2	706.7	715.3	732.7
165°	696.5	692.5	688.5	692.5	696.5	697.5	700.6	704.7	706.7	712.9	725.3
167.5°	703.3	701.4	699.5	701.4	703.3	703.8	706.3	709.8	711.5	715.6	723.6
170°	710.6	708.6	706.7	708.6	710.6	711.0	711.2	711.4	711.5	715.6	723.6
172.5°	711.4	710.9	710.6	710.9	711.4	711.5	711.5	711.5	711.5	714.7	721.1
175°	715.8	715.8	715.8	715.8	715.8	715.8	714.3	712.4	711.5	713.5	717.6
177.5°	715.8	715.8	715.8	715.8	715.8	715.8	714.7	713.3	712.5	714.1	717.3
180°	715.8	715.8	715.8	715.8	715.8	715.8	715.8	715.8	715.8	715.8	715.8



TEST NUMBER: P935123

CATALOG NUMBER: SQ4-FA-100U-075D-927-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1220.8	1220.8	1220.8	1220.8	1220.8	1220.8	1220.8	1220.8	1220.8	1220.8	1220.8
2.5°	1178.1	1174.6	1179.3	1166.6	1179.3	1174.6	1178.1	1186.2	1179.3	1183.9	1188.5
5°	1033.7	1028.0	1009.5	994.5	1009.5	1028.0	1033.7	1058.0	1069.5	1090.3	1118.0
7.5°	924.0	919.4	914.8	905.5	914.8	919.4	924.0	930.9	942.5	961.0	981.8
10°	899.7	900.9	907.8	906.7	907.8	900.9	899.7	897.4	894.0	897.4	910.1
12.5°	962.1	972.5	1010.6	1008.3	1010.6	972.5	962.1	915.9	884.7	879.0	881.3
15°	1033.7	1037.2	1045.3	1046.4	1045.3	1037.2	1033.7	1015.2	921.7	881.3	868.6
17.5°	1040.7	1041.8	1047.6	1047.6	1047.6	1041.8	1040.7	1032.6	1001.4	947.1	875.5
20°	1034.9	1037.2	1048.7	1051.0	1048.7	1037.2	1034.9	1024.5	1007.2	987.5	933.2
22.5°	1032.6	1037.2	1046.4	1045.3	1046.4	1037.2	1032.6	1016.4	1001.4	987.5	965.6
25°	1021.0	1021.0	1022.2	1023.3	1022.2	1021.0	1021.0	1008.3	978.3	974.8	962.1
27.5°	996.8	999.1	1006.0	1004.8	1006.0	999.1	996.8	992.1	959.8	956.3	947.1
30°	974.8	972.5	966.7	962.1	966.7	972.5	974.8	967.9	935.6	926.3	928.6
32.5°	937.9	932.1	926.3	922.8	926.3	932.1	937.9	935.6	911.3	898.6	900.9
35°	894.0	895.1	894.0	890.5	894.0	895.1	894.0	896.3	881.3	869.7	868.6
37.5°	862.8	865.1	863.9	859.3	863.9	865.1	862.8	860.5	839.7	836.2	838.5
40°	830.4	831.6	830.4	827.0	830.4	831.6	830.4	825.8	797.0	798.1	806.2
42.5°	799.3	798.1	794.6	792.3	794.6	798.1	799.3	792.3	755.4	751.9	766.9
45°	763.5	764.6	757.7	754.2	757.7	764.6	763.5	758.8	720.7	711.5	721.9
47.5°	727.6	727.6	721.9	718.4	721.9	727.6	727.6	721.9	681.4	672.2	678.0
50°	689.5	688.4	680.3	679.1	680.3	688.4	689.5	686.1	643.3	635.2	635.2
52.5°	645.6	645.6	646.8	649.1	646.8	645.6	645.6	646.8	608.7	600.6	598.3
55°	607.5	608.7	616.8	619.1	616.8	608.7	607.5	607.5	572.9	564.8	560.2
57.5°	568.3	568.3	574.0	574.0	574.0	568.3	568.3	566.0	532.5	525.5	523.2
60°	523.2	525.5	530.1	529.0	530.1	525.5	523.2	520.9	492.0	487.4	479.3
62.5°	475.9	478.2	479.3	477.0	479.3	478.2	475.9	468.9	451.6	448.1	437.7
65°	426.2	428.5	429.7	427.4	429.7	428.5	426.2	422.7	410.0	404.2	395.0
67.5°	375.4	374.2	373.1	377.7	373.1	374.2	375.4	370.8	362.7	358.0	345.3
70°	323.4	323.4	322.2	324.6	322.2	323.4	323.4	319.9	315.3	311.8	300.3
72.5°	268.0	266.8	271.4	268.0	271.4	266.8	268.0	266.8	264.5	261.0	249.5
75°	213.7	216.0	213.7	217.1	213.7	216.0	213.7	214.8	213.7	211.4	203.3
77.5°	162.9	165.2	162.9	162.9	162.9	165.2	162.9	164.0	164.0	164.0	157.1
80°	115.5	114.3	114.3	113.2	114.3	114.3	115.5	115.5	116.7	114.3	112.0
82.5°	73.9	72.8	72.8	75.1	72.8	72.8	73.9	75.1	72.8	72.8	72.8
85°	40.4	41.6	39.3	39.3	39.3	41.6	40.4	38.1	40.4	40.4	39.3
87.5°	15.0	13.9	13.9	13.9	13.9	13.9	15.0	16.2	16.2	16.2	17.3
90°	18.2	18.2	18.2	18.2	18.2	18.2	18.2	24.3	32.4	36.5	31.4
92.5°	91.2	87.6	73.1	58.6	73.1	87.6	91.2	129.4	180.2	205.6	180.5
95°	309.8	298.8	254.9	210.9	254.9	298.8	309.8	406.9	536.3	601.0	507.6
97.5°	715.3	694.4	610.7	527.0	610.7	694.4	715.3	776.7	858.5	899.4	743.6
100°	1004.5	979.6	879.9	780.2	879.9	979.6	1004.5	1000.1	994.1	991.1	818.2
102.5°	1251.5	1230.2	1144.7	1059.3	1144.7	1230.2	1251.5	1173.3	1069.1	1017.0	841.8
105°	1539.7	1528.2	1482.3	1436.4	1482.3	1528.2	1539.7	1364.5	1131.0	1014.2	844.5
107.5°	1689.6	1692.4	1703.5	1714.6	1703.5	1692.4	1689.6	1445.2	1119.4	956.5	806.8
110°	1728.0	1740.0	1787.9	1835.7	1787.9	1740.0	1728.0	1454.8	1090.6	908.4	773.5



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1703.5	1721.9	1795.3	1868.8	1795.3	1721.9	1703.5	1424.0	1051.1	864.7	744.4
115°	1620.5	1646.0	1747.7	1849.6	1747.7	1646.0	1620.5	1351.1	991.9	812.4	711.0
117.5°	1505.6	1533.8	1646.8	1759.8	1646.8	1533.8	1505.6	1262.5	938.4	776.3	690.2
120°	1428.3	1455.7	1565.5	1675.2	1565.5	1455.7	1428.3	1206.1	910.0	761.9	683.1
122.5°	1350.9	1378.0	1486.3	1594.5	1486.3	1378.0	1350.9	1150.9	884.3	750.9	679.4
125°	1248.6	1273.6	1373.2	1472.9	1373.2	1273.6	1248.6	1078.7	852.2	738.9	676.4
127.5°	1166.5	1187.5	1271.7	1355.7	1271.7	1187.5	1166.5	1020.6	826.1	728.8	674.7
130°	1114.6	1134.0	1211.7	1289.4	1211.7	1134.0	1114.6	984.7	811.5	725.0	675.8
132.5°	1070.4	1087.8	1157.4	1227.0	1157.4	1087.8	1070.4	954.1	799.1	721.6	676.4
135°	1007.9	1022.9	1082.9	1142.9	1082.9	1022.9	1007.9	910.5	780.7	715.8	675.8
137.5°	961.8	974.0	1023.2	1072.3	1023.2	974.0	961.8	879.5	769.8	714.9	680.0
140°	924.8	936.2	982.2	1028.1	982.2	936.2	924.8	853.7	758.9	711.5	680.6
142.5°	898.8	908.7	948.3	987.8	948.3	908.7	898.8	836.4	753.1	711.5	683.1
145°	859.9	867.4	897.4	927.2	897.4	867.4	859.9	808.9	740.7	706.7	683.1
147.5°	827.3	833.4	858.2	883.0	858.2	833.4	827.3	787.1	733.5	706.7	687.8
150°	808.5	813.5	833.6	853.7	833.6	813.5	808.5	774.5	729.3	706.7	690.2
152.5°	793.6	797.4	812.6	827.8	812.6	797.4	793.6	764.7	726.0	706.7	691.8
155°	775.9	778.4	788.4	798.4	788.4	778.4	775.9	752.8	722.1	706.7	695.4
157.5°	760.5	762.3	769.3	776.3	769.3	762.3	760.5	742.6	718.6	706.7	698.9
160°	752.8	753.8	757.9	761.9	757.9	753.8	752.8	737.4	716.9	706.7	700.5
162.5°	745.6	746.5	750.4	754.2	750.4	746.5	745.6	732.7	715.3	706.7	702.2
165°	734.6	735.6	739.7	743.7	739.7	735.6	734.6	725.3	712.9	706.7	704.7
167.5°	729.7	730.2	731.9	733.6	731.9	730.2	729.7	723.6	715.6	711.5	709.8
170°	729.7	729.7	729.7	729.7	729.7	729.7	729.7	723.6	715.6	711.5	711.4
172.5°	725.9	725.5	724.0	722.6	724.0	725.5	725.9	721.1	714.7	711.5	711.5
175°	720.6	720.6	720.6	720.6	720.6	720.6	720.6	717.6	713.5	711.5	712.4
177.5°	719.6	719.2	717.5	715.8	717.5	719.2	719.6	717.3	714.1	712.5	713.3
180°	715.8	715.8	715.8	715.8	715.8	715.8	715.8	715.8	715.8	715.8	715.8



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1220.8	1220.8	1220.8	1220.8	1220.8
2.5°	1205.8	1211.6	1215.1	1219.7	1231.2
5°	1159.6	1181.6	1188.5	1205.8	1226.6
7.5°	1058.0	1125.0	1143.4	1185.0	1217.4
10°	959.8	1026.8	1059.1	1157.3	1205.8
12.5°	910.1	949.4	971.4	1108.8	1189.6
15°	879.0	906.7	922.8	1044.1	1171.2
17.5°	854.7	874.3	885.9	980.6	1145.8
20°	839.7	848.9	859.3	934.4	1116.9
22.5°	829.3	823.5	831.6	902.1	1077.6
25°	822.4	800.4	809.7	876.6	1031.4
27.5°	828.1	779.6	783.1	853.5	982.9
30°	829.3	754.2	755.4	829.3	928.6
32.5°	821.2	727.6	728.8	799.3	867.4
35°	801.6	696.5	695.3	764.6	784.2
37.5°	775.0	663.0	663.0	726.5	693.0
40°	742.7	629.5	632.9	676.8	612.2
42.5°	703.4	593.7	598.3	611.0	552.1
45°	660.7	559.0	562.5	516.3	505.9
47.5°	613.3	523.2	524.4	428.5	490.9
50°	556.7	486.3	481.6	367.3	489.7
52.5°	507.0	445.8	432.0	332.6	444.7
55°	458.5	403.1	373.1	306.1	412.3
57.5°	415.8	347.7	318.8	274.9	405.4
60°	376.5	293.4	271.4	241.4	371.9
62.5°	344.2	252.9	248.3	218.3	337.3
65°	309.5	225.2	224.1	198.7	286.4
67.5°	276.0	206.7	205.6	180.2	218.3
70°	240.2	187.1	184.8	160.5	161.7
72.5°	203.3	165.2	162.9	144.4	134.0
75°	166.3	139.8	138.6	125.9	108.6
77.5°	130.5	110.9	113.2	101.6	79.7
80°	93.6	80.9	83.2	72.8	60.1
82.5°	62.4	53.1	55.4	46.2	40.4
85°	34.6	30.0	31.2	24.3	18.5
87.5°	16.2	13.9	13.9	9.2	5.8
90°	21.2	13.5	12.5	8.6	4.8
92.5°	130.4	92.7	84.5	51.9	19.2
95°	320.8	180.6	165.7	105.9	46.1
97.5°	432.0	198.4	185.3	132.5	79.8
100°	472.5	213.3	201.4	153.5	105.7
102.5°	491.2	228.2	217.1	172.5	127.8
105°	505.0	250.3	240.9	203.0	165.2
107.5°	507.5	283.0	274.2	238.9	203.7
110°	503.7	301.2	293.3	261.4	229.6



TEST NUMBER: P935123

CATALOG NUMBER: SQ4-FA-100U-075D-927-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	503.8	323.3	315.8	285.4	255.1
115°	508.4	356.4	349.4	321.5	293.5
117.5°	517.8	388.6	382.3	356.9	331.5
120°	525.6	407.4	401.4	377.5	353.6
122.5°	536.6	429.5	423.5	399.3	375.2
125°	551.6	457.8	452.4	430.4	408.3
127.5°	566.4	485.3	479.7	457.5	435.3
130°	577.3	503.5	497.5	473.6	449.7
132.5°	586.1	518.4	512.4	488.5	464.5
135°	595.7	535.7	530.2	508.4	486.6
137.5°	610.1	557.8	552.4	530.8	509.2
140°	618.9	572.6	567.7	547.9	528.0
142.5°	626.3	583.7	579.1	560.8	542.4
145°	635.9	600.5	596.5	580.5	564.5
147.5°	650.0	621.6	617.7	602.1	586.6
150°	657.3	632.7	629.2	615.1	601.0
152.5°	662.2	639.9	637.3	626.6	615.9
155°	672.7	655.7	653.7	645.9	638.0
157.5°	683.3	671.6	669.7	662.0	654.3
160°	688.1	678.8	677.4	671.4	665.4
162.5°	693.2	686.5	685.4	680.9	676.4
165°	700.6	697.5	696.5	692.5	688.5
167.5°	706.3	703.8	703.3	701.4	699.5
170°	711.2	711.0	710.6	708.6	706.7
172.5°	711.5	711.5	711.4	710.9	710.6
175°	714.3	715.8	715.8	715.8	715.8
177.5°	714.7	715.8	715.8	715.8	715.8
180°	715.8	715.8	715.8	715.8	715.8



TEST NUMBER: P935123
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CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	10.89	11.67	11.92	12.71	14.11	13.71	14.49	14.75	15.54	16.93
	3H	11.36	12.06	12.40	13.11	14.53	15.05	15.75	16.09	16.80	18.22
	4H	11.55	12.21	12.60	13.26	14.69	15.49	16.15	16.54	17.20	18.63
	6H	11.66	12.27	12.73	13.33	14.77	15.77	16.38	16.83	17.44	18.87
	8H	11.66	12.24	12.73	13.31	14.75	15.84	16.42	16.91	17.49	18.93
	12H	11.63	12.18	12.70	13.25	14.70	15.87	16.43	16.95	17.49	18.95
4H	2H	11.91	12.57	12.97	13.63	15.05	14.11	14.78	15.17	15.83	17.25
	3H	12.93	13.48	14.00	14.56	16.00	15.61	16.16	16.68	17.24	18.68
	4H	13.20	13.71	14.28	14.78	16.24	16.13	16.64	17.21	17.71	19.17
	6H	13.32	13.76	14.41	14.85	16.31	16.49	16.93	17.58	18.02	19.48
	8H	13.33	13.73	14.41	14.82	16.29	16.60	17.00	17.68	18.09	19.56
	12H	13.29	13.66	14.39	14.76	16.23	16.65	17.02	17.75	18.11	19.59
8H	4H	13.65	14.05	14.73	15.14	16.61	16.25	16.66	17.34	17.74	19.21
	6H	13.91	14.24	15.01	15.37	16.84	16.68	17.02	17.79	18.15	19.61
	8H	13.95	14.24	15.06	15.35	16.84	16.83	17.13	17.95	18.24	19.72
	12H	13.93	14.19	15.05	15.29	16.82	16.93	17.18	18.04	18.29	19.82
12H	4H	13.65	14.02	14.75	15.12	16.59	16.21	16.58	17.31	17.68	19.15
	6H	13.97	14.26	15.08	15.37	16.86	16.68	16.97	17.79	18.08	19.57
	8H	14.03	14.29	15.15	15.39	16.92	16.84	17.09	17.95	18.20	19.73