

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: P935151

Luminaire Tested: SQ4-FA-100U-075D-930-1D-UNV-STD-W-6

Issue Date: 12/17/2024

**Test Information**

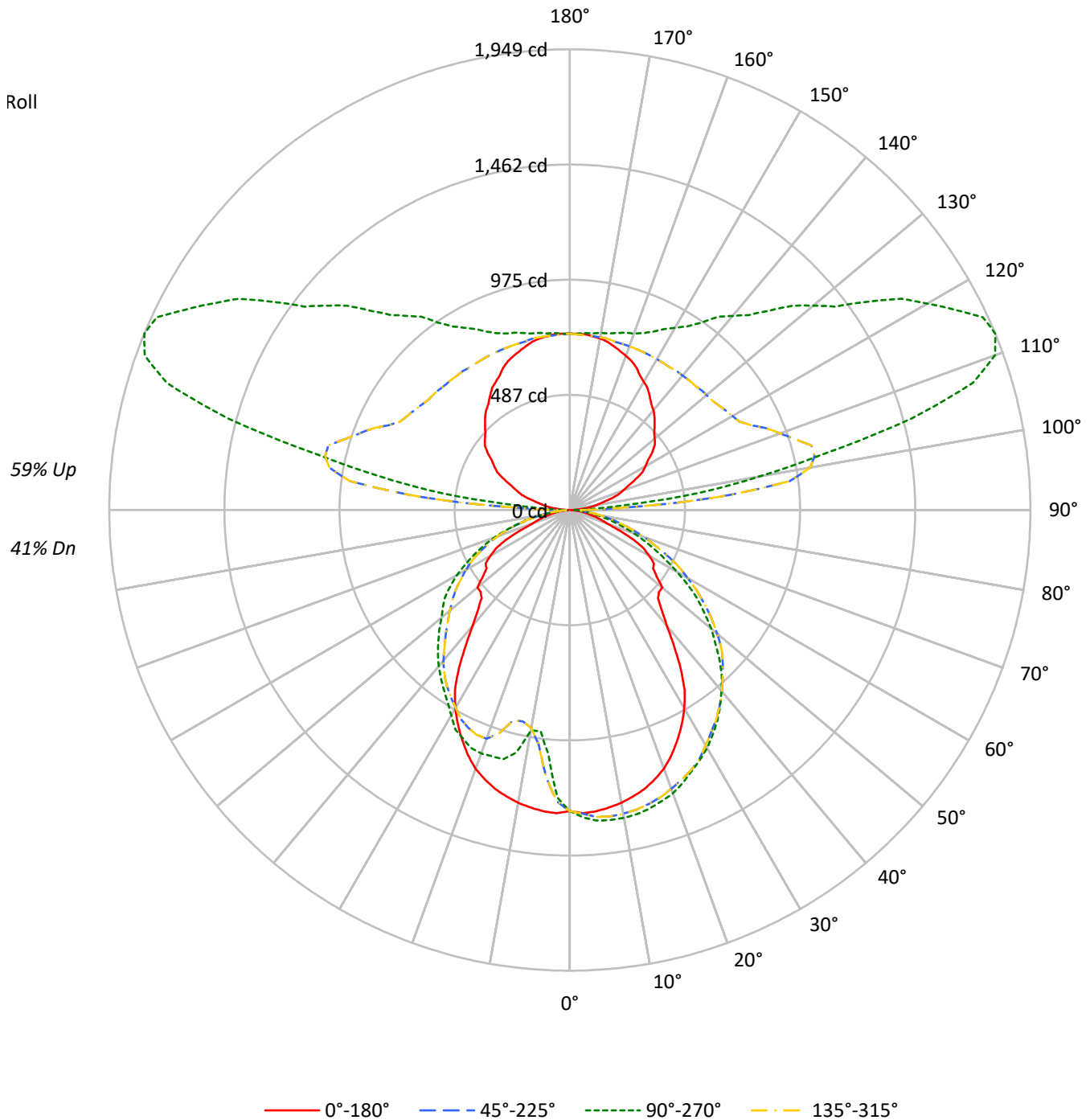
Test Method: LM-79-2019  
Report Number: P935151  
REPORT IS A COMBINATION OF REPORTS P933743 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-100U-075D-930-1D-UNV-STD-W-6  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8143.2 lumens  
Efficiency: N/A  
Efficacy: 110.3 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





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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°	7876	7876	7876	7876
5°	7932	7950	7932	6252
10°	7876	7831	7876	5599
15°	7788	7662	7788	6398
20°	7622	7461	7622	6411
25°	7285	7168	7285	6275
30°	6852	6924	6852	5977
35°	6105	6617	6105	5649
40°	5084	6254	5084	5401
45°	4540	5829	4540	5116
50°	4819	5324	4819	4831
55°	4530	4779	4530	4665
60°	4663	4059	4663	4273
65°	4221	3355	4221	3751
70°	2916	2674	2916	3144
75°	2547	1976	2547	2366
80°	2038	1307	2038	1422
85°	1151	692	1151	589

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 6963 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	114.9	1.4
10°-20°	326.3	4.0
20°-30°	504.4	6.2
30°-40°	602.1	7.4
40°-50°	605.7	7.4
50°-60°	527.0	6.5
60°-70°	373.7	4.6
70°-80°	197.7	2.4
80°-90°	52.1	0.6
90°-100°	363.9	4.5
100°-110°	956.7	11.7
110°-120°	991.9	12.2
120°-130°	795.7	9.8
130°-140°	624.3	7.7
140°-150°	479.2	5.9
150°-160°	345.1	4.2
160°-170°	211.1	2.6
170°-180°	71.3	0.9
0°-30°	945.6	11.6
0°-40°	1547.8	19.0
0°-60°	2680.5	32.9
0°-90°	3303.9	40.6
90°-120°	2312.5	28.4
90°-150°	4211.7	51.7
90°-180°	4839.0	59.4
0°-180°	8143.2	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1273	1273	1273	1273	1273	
5°	1279	1319	1279	1037	1279	121
15°	1221	1307	1221	1091	1221	344
25°	1076	1219	1076	1067	1076	494
35°	818	1088	818	929	818	506
45°	528	896	528	786	528	423
55°	430	661	430	646	430	395
65°	299	399	299	446	299	285
75°	113	189	113	226	113	119
85°	19	48	19	41	19	26
90°	5	19	5	19	5	5
95°	48	220	48	220	48	53
105°	172	1498	172	1498	172	183
115°	306	1929	306	1929	306	302
125°	426	1536	426	1536	426	378
135°	508	1192	508	1192	508	393
145°	589	967	589	967	589	369
155°	665	833	665	833	665	306
165°	718	776	718	776	718	203
175°	746	752	746	752	746	71
180°	746	746	746	746	746	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1273.2	1273.2	1273.2	1273.2	1273.2	1273.2	1273.2	1273.2	1273.2	1273.2	1273.2
2.5°	1284.0	1284.0	1291.2	1293.6	1293.6	1290.0	1286.4	1290.0	1300.9	1304.5	1303.3
5°	1279.2	1288.8	1302.1	1304.5	1306.9	1305.7	1303.3	1305.7	1317.7	1320.1	1321.3
7.5°	1269.5	1287.6	1304.5	1308.1	1311.7	1308.1	1306.9	1309.3	1321.3	1323.7	1323.7
10°	1257.5	1282.8	1302.1	1304.5	1308.1	1304.5	1304.5	1309.3	1321.3	1323.7	1325.0
12.5°	1240.6	1275.6	1293.6	1296.0	1300.9	1299.7	1298.5	1303.3	1315.3	1317.7	1317.7
15°	1221.4	1262.3	1279.2	1281.6	1290.0	1287.6	1287.6	1292.4	1305.7	1309.3	1308.1
17.5°	1194.9	1245.5	1264.7	1268.3	1274.4	1273.2	1274.4	1279.2	1291.2	1293.6	1294.8
20°	1164.8	1222.6	1245.5	1249.1	1255.1	1255.1	1255.1	1261.1	1273.2	1278.0	1278.0
22.5°	1123.8	1198.5	1222.6	1225.0	1232.2	1232.2	1234.6	1243.0	1253.9	1255.1	1255.1
25°	1075.6	1172.0	1192.5	1199.7	1206.9	1210.5	1214.1	1219.0	1222.6	1221.4	1222.6
27.5°	1025.0	1138.3	1164.8	1169.6	1179.2	1182.8	1187.6	1188.8	1190.0	1193.7	1191.3
30°	968.4	1091.3	1131.0	1135.8	1151.5	1153.9	1149.1	1151.5	1157.5	1159.9	1162.3
32.5°	904.6	1021.4	1096.1	1106.9	1121.4	1114.2	1113.0	1116.6	1126.2	1126.2	1128.6
35°	817.9	967.2	1063.6	1073.2	1084.0	1075.6	1080.4	1081.6	1087.7	1091.3	1090.1
37.5°	722.7	920.2	1029.8	1037.1	1045.5	1034.7	1041.9	1045.5	1050.3	1047.9	1047.9
40°	638.4	846.8	990.1	994.9	1002.1	993.7	1000.9	1003.3	1005.8	1003.3	1002.1
42.5°	575.8	766.1	947.9	954.0	949.1	955.2	957.6	962.4	958.8	954.0	954.0
45°	527.6	744.4	902.2	909.4	902.2	911.8	915.4	915.4	904.6	902.2	901.0
47.5°	511.9	701.0	856.4	856.4	852.8	864.8	870.9	862.4	851.6	848.0	848.0
50°	510.7	652.8	793.8	788.9	805.8	820.3	814.2	805.8	797.4	784.1	784.1
52.5°	463.7	593.8	713.1	731.1	757.6	766.1	756.4	748.0	733.5	727.5	722.7
55°	430.0	532.4	639.6	675.7	703.4	714.3	696.2	687.8	666.1	662.5	660.1
57.5°	422.8	443.3	572.1	617.9	651.6	650.4	639.6	623.9	605.9	602.2	601.0
60°	387.8	320.4	499.9	554.1	589.0	585.4	575.8	561.3	544.4	542.0	539.6
62.5°	351.7	232.5	418.0	479.4	528.8	527.6	519.1	497.5	485.4	479.4	474.6
65°	298.7	195.1	297.5	398.7	469.8	472.2	454.1	438.4	425.2	418.0	416.8
67.5°	227.7	159.0	201.2	332.4	413.1	410.7	387.8	380.6	363.8	360.1	352.9
70°	168.6	106.0	139.7	269.8	357.7	351.7	333.6	325.2	309.6	301.1	296.3
72.5°	139.7	85.5	102.4	209.6	301.1	293.9	278.2	268.6	255.4	248.1	243.3
75°	113.2	90.3	78.3	155.4	244.5	239.7	225.2	215.6	204.8	195.1	196.3
77.5°	83.1	84.3	62.6	114.4	193.9	186.7	178.3	166.2	161.4	151.8	151.8
80°	62.6	66.2	47.0	78.3	139.7	139.7	132.5	124.1	115.6	110.8	110.8
82.5°	42.2	42.2	34.9	49.4	95.2	91.5	86.7	84.3	79.5	77.1	77.1
85°	19.3	24.1	21.7	30.1	51.8	54.2	54.2	51.8	50.6	48.2	49.4
87.5°	6.0	10.8	13.2	16.9	26.5	27.7	28.9	28.9	28.9	30.1	30.1
90°	5.0	9.0	13.0	14.1	22.1	32.8	38.1	33.8	25.4	19.0	19.0
92.5°	20.1	54.1	88.2	96.7	135.9	188.2	214.4	187.9	134.9	95.2	91.4
95°	48.1	110.4	172.8	188.4	334.5	529.3	626.7	559.3	424.3	323.1	311.6
97.5°	83.2	138.2	193.2	206.9	450.6	775.5	937.9	895.3	810.0	746.0	724.1
100°	110.3	160.1	210.0	222.4	492.8	853.3	1033.5	1036.7	1042.9	1047.6	1021.6
102.5°	133.3	179.9	226.4	238.0	512.2	877.8	1060.6	1115.0	1223.6	1305.1	1282.9
105°	172.3	211.8	251.2	261.1	526.6	880.7	1057.6	1179.4	1423.0	1605.7	1593.7
107.5°	212.4	249.2	285.9	295.1	529.3	841.4	997.5	1167.4	1507.2	1762.0	1764.9
110°	239.5	272.6	305.9	314.1	525.2	806.7	947.4	1137.3	1517.2	1802.1	1814.5



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	266.0	297.7	329.3	337.2	525.4	776.3	901.8	1096.2	1485.0	1776.6	1795.7
115°	306.1	335.3	364.4	371.7	530.2	741.5	847.2	1034.4	1409.0	1689.9	1716.5
117.5°	345.7	372.2	398.7	405.3	540.0	719.7	809.6	978.6	1316.6	1570.1	1599.6
120°	368.7	393.7	418.6	424.9	548.1	712.4	794.6	949.0	1257.8	1489.5	1518.1
122.5°	391.3	416.4	441.6	447.9	559.6	708.6	783.1	922.2	1200.2	1408.8	1437.0
125°	425.8	448.8	471.8	477.5	575.2	705.4	770.6	888.7	1124.9	1302.1	1328.2
127.5°	453.9	477.1	500.3	506.1	590.7	703.6	760.0	861.5	1064.3	1216.5	1238.4
130°	469.0	493.9	518.8	525.1	602.1	704.7	756.0	846.3	1026.9	1162.3	1182.6
132.5°	484.4	509.4	534.3	540.6	611.2	705.4	752.5	833.4	995.0	1116.3	1134.4
135°	507.5	530.2	552.9	558.6	621.3	704.7	746.5	814.2	949.5	1051.1	1066.8
137.5°	531.0	553.5	576.1	581.7	636.3	709.1	745.5	802.8	917.2	1003.0	1015.8
140°	550.6	571.3	592.1	597.2	645.5	709.8	742.0	791.4	890.3	964.4	976.4
142.5°	565.6	584.8	603.9	608.8	653.2	712.3	742.0	785.4	872.2	937.3	947.6
145°	588.7	605.4	622.1	626.3	663.2	712.4	737.0	772.5	843.6	896.8	904.6
147.5°	611.7	627.9	644.2	648.3	677.8	717.2	737.0	764.9	820.8	862.7	869.2
150°	626.7	641.4	656.1	659.8	685.5	719.8	737.0	760.6	807.7	843.2	848.4
152.5°	642.3	653.5	664.6	667.4	690.6	721.5	737.0	757.1	797.5	827.7	831.6
155°	665.4	673.6	681.7	683.8	701.6	725.2	737.0	753.1	785.1	809.1	811.8
157.5°	682.4	690.4	698.4	700.4	712.6	728.9	737.0	749.4	774.4	793.1	795.0
160°	693.9	700.1	706.4	707.9	717.6	730.6	737.0	747.7	769.0	785.1	786.1
162.5°	705.4	710.1	714.8	716.0	722.9	732.3	737.0	746.0	764.1	777.5	778.5
165°	718.0	722.1	726.4	727.4	730.6	734.9	737.0	743.4	756.3	766.1	767.1
167.5°	729.4	731.5	733.5	733.9	736.6	740.2	742.0	746.2	754.7	761.0	761.5
170°	737.0	739.0	741.0	741.5	741.7	741.9	742.0	746.2	754.7	761.0	761.0
172.5°	741.0	741.4	741.9	742.0	742.0	742.0	742.0	745.3	752.0	757.0	756.6
175°	746.5	746.5	746.5	746.5	744.9	742.9	742.0	744.1	748.3	751.5	751.5
177.5°	746.5	746.5	746.5	746.5	745.3	743.8	743.0	744.7	748.0	750.5	750.0
180°	746.5	746.5	746.5	746.5	746.5	746.5	746.5	746.5	746.5	746.5	746.5



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1273.2	1273.2	1273.2	1273.2	1273.2	1273.2	1273.2	1273.2	1273.2	1273.2	1273.2
2.5°	1305.7	1302.1	1305.7	1303.3	1304.5	1300.9	1290.0	1286.4	1290.0	1293.6	1293.6
5°	1321.3	1318.9	1321.3	1321.3	1320.1	1317.7	1305.7	1303.3	1305.7	1306.9	1304.5
7.5°	1326.2	1322.5	1326.2	1323.7	1323.7	1321.3	1309.3	1306.9	1308.1	1311.7	1308.1
10°	1326.2	1322.5	1326.2	1325.0	1323.7	1321.3	1309.3	1304.5	1304.5	1308.1	1304.5
12.5°	1320.1	1317.7	1320.1	1317.7	1317.7	1315.3	1303.3	1298.5	1299.7	1300.9	1296.0
15°	1310.5	1306.9	1310.5	1308.1	1309.3	1305.7	1292.4	1287.6	1287.6	1290.0	1281.6
17.5°	1296.0	1291.2	1296.0	1294.8	1293.6	1291.2	1279.2	1274.4	1273.2	1274.4	1268.3
20°	1279.2	1275.6	1279.2	1278.0	1278.0	1273.2	1261.1	1255.1	1255.1	1255.1	1249.1
22.5°	1252.7	1249.1	1252.7	1255.1	1255.1	1253.9	1243.0	1234.6	1232.2	1232.2	1225.0
25°	1222.6	1219.0	1222.6	1222.6	1221.4	1222.6	1219.0	1214.1	1210.5	1206.9	1199.7
27.5°	1193.7	1191.3	1193.7	1191.3	1193.7	1190.0	1188.8	1187.6	1182.8	1179.2	1169.6
30°	1164.8	1162.3	1164.8	1162.3	1159.9	1157.5	1151.5	1149.1	1153.9	1151.5	1135.8
32.5°	1128.6	1126.2	1128.6	1128.6	1126.2	1126.2	1116.6	1113.0	1114.2	1121.4	1106.9
35°	1091.3	1087.7	1091.3	1090.1	1091.3	1087.7	1081.6	1080.4	1075.6	1084.0	1073.2
37.5°	1047.9	1044.3	1047.9	1047.9	1047.9	1050.3	1045.5	1041.9	1034.7	1045.5	1037.1
40°	1003.3	998.5	1003.3	1002.1	1003.3	1005.8	1003.3	1000.9	993.7	1002.1	994.9
42.5°	952.8	951.6	952.8	954.0	954.0	958.8	962.4	957.6	955.2	949.1	954.0
45°	898.6	896.1	898.6	901.0	902.2	904.6	915.4	915.4	911.8	902.2	909.4
47.5°	840.7	834.7	840.7	848.0	848.0	851.6	862.4	870.9	864.8	852.8	856.4
50°	779.3	780.5	779.3	784.1	784.1	797.4	805.8	814.2	820.3	805.8	788.9
52.5°	719.1	717.9	719.1	722.7	727.5	733.5	748.0	756.4	766.1	757.6	731.1
55°	658.9	661.3	658.9	660.1	662.5	666.1	687.8	696.2	714.3	703.4	675.7
57.5°	598.6	595.0	598.6	601.0	602.2	605.9	623.9	639.6	650.4	651.6	617.9
60°	528.8	524.0	528.8	539.6	542.0	544.4	561.3	575.8	585.4	589.0	554.1
62.5°	467.3	458.9	467.3	474.6	479.4	485.4	497.5	519.1	527.6	528.8	479.4
65°	402.3	398.7	402.3	416.8	418.0	425.2	438.4	454.1	472.2	469.8	398.7
67.5°	343.3	343.3	343.3	352.9	360.1	363.8	380.6	387.8	410.7	413.1	332.4
70°	289.1	287.9	289.1	296.3	301.1	309.6	325.2	333.6	351.7	357.7	269.8
72.5°	237.3	236.1	237.3	243.3	248.1	255.4	268.6	278.2	293.9	301.1	209.6
75°	191.5	189.1	191.5	196.3	195.1	204.8	215.6	225.2	239.7	244.5	155.4
77.5°	146.9	146.9	146.9	151.8	151.8	161.4	166.2	178.3	186.7	193.9	114.4
80°	109.6	108.4	109.6	110.8	110.8	115.6	124.1	132.5	139.7	139.7	78.3
82.5°	77.1	74.7	77.1	77.1	77.1	79.5	84.3	86.7	91.5	95.2	49.4
85°	48.2	48.2	48.2	49.4	48.2	50.6	51.8	54.2	54.2	51.8	30.1
87.5°	31.3	30.1	31.3	30.1	30.1	28.9	28.9	28.9	27.7	26.5	16.9
90°	19.0	19.0	19.0	19.0	19.0	25.4	33.8	38.1	32.8	22.1	14.1
92.5°	76.2	61.1	76.2	91.4	95.2	134.9	187.9	214.4	188.2	135.9	96.7
95°	265.8	219.9	265.8	311.6	323.1	424.3	559.3	626.7	529.3	334.5	188.4
97.5°	636.9	549.6	636.9	724.1	746.0	810.0	895.3	937.9	775.5	450.6	206.9
100°	917.6	813.6	917.6	1021.6	1047.6	1042.9	1036.7	1033.5	853.3	492.8	222.4
102.5°	1193.7	1104.7	1193.7	1282.9	1305.1	1223.6	1115.0	1060.6	877.8	512.2	238.0
105°	1545.9	1498.0	1545.9	1593.7	1605.7	1423.0	1179.4	1057.6	880.7	526.6	261.1
107.5°	1776.6	1788.1	1776.6	1764.9	1762.0	1507.2	1167.4	997.5	841.4	529.3	295.1
110°	1864.5	1914.4	1864.5	1814.5	1802.1	1517.2	1137.3	947.4	806.7	525.2	314.1





TEST NUMBER: P935151

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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	1872.3	1948.9	1872.3	1795.7	1776.6	1485.0	1096.2	901.8	776.3	525.4	337.2
115°	1822.6	1928.9	1822.6	1716.5	1689.9	1409.0	1034.4	847.2	741.5	530.2	371.7
117.5°	1717.4	1835.2	1717.4	1599.6	1570.1	1316.6	978.6	809.6	719.7	540.0	405.3
120°	1632.6	1747.0	1632.6	1518.1	1489.5	1257.8	949.0	794.6	712.4	548.1	424.9
122.5°	1550.0	1662.9	1550.0	1437.0	1408.8	1200.2	922.2	783.1	708.6	559.6	447.9
125°	1432.1	1536.1	1432.1	1328.2	1302.1	1124.9	888.7	770.6	705.4	575.2	477.5
127.5°	1326.2	1413.8	1326.2	1238.4	1216.5	1064.3	861.5	760.0	703.6	590.7	506.1
130°	1263.7	1344.7	1263.7	1182.6	1162.3	1026.9	846.3	756.0	704.7	602.1	525.1
132.5°	1207.0	1279.6	1207.0	1134.4	1116.3	995.0	833.4	752.5	705.4	611.2	540.6
135°	1129.3	1191.9	1129.3	1066.8	1051.1	949.5	814.2	746.5	704.7	621.3	558.6
137.5°	1067.0	1118.3	1067.0	1015.8	1003.0	917.2	802.8	745.5	709.1	636.3	581.7
140°	1024.3	1072.2	1024.3	976.4	964.4	890.3	791.4	742.0	709.8	645.5	597.2
142.5°	988.9	1030.1	988.9	947.6	937.3	872.2	785.4	742.0	712.3	653.2	608.8
145°	935.8	967.0	935.8	904.6	896.8	843.6	772.5	737.0	712.4	663.2	626.3
147.5°	895.0	920.9	895.0	869.2	862.7	820.8	764.9	737.0	717.2	677.8	648.3
150°	869.3	890.3	869.3	848.4	843.2	807.7	760.6	737.0	719.8	685.5	659.8
152.5°	847.4	863.2	847.4	831.6	827.7	797.5	757.1	737.0	721.5	690.6	667.4
155°	822.2	832.6	822.2	811.8	809.1	785.1	753.1	737.0	725.2	701.6	683.8
157.5°	802.3	809.6	802.3	795.0	793.1	774.4	749.4	737.0	728.9	712.6	700.4
160°	790.4	794.6	790.4	786.1	785.1	769.0	747.7	737.0	730.6	717.6	707.9
162.5°	782.5	786.5	782.5	778.5	777.5	764.1	746.0	737.0	732.3	722.9	716.0
165°	771.4	775.5	771.4	767.1	766.1	756.3	743.4	737.0	734.9	730.6	727.4
167.5°	763.3	765.0	763.3	761.5	761.0	754.7	746.2	742.0	740.2	736.6	733.9
170°	761.0	761.0	761.0	761.0	761.0	754.7	746.2	742.0	741.9	741.7	741.5
172.5°	755.1	753.5	755.1	756.6	757.0	752.0	745.3	742.0	742.0	742.0	742.0
175°	751.5	751.5	751.5	751.5	751.5	748.3	744.1	742.0	742.9	744.9	746.5
177.5°	748.2	746.5	748.2	750.0	750.5	748.0	744.7	743.0	743.8	745.3	746.5
180°	746.5	746.5	746.5	746.5	746.5	746.5	746.5	746.5	746.5	746.5	746.5



TEST NUMBER: P935151  
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**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1273.2	1273.2	1273.2	1273.2	1273.2	1273.2	1273.2	1273.2	1273.2	1273.2	1273.2
2.5°	1291.2	1284.0	1284.0	1272.0	1267.1	1263.5	1257.5	1239.4	1234.6	1229.8	1237.0
5°	1302.1	1288.8	1279.2	1257.5	1239.4	1232.2	1209.3	1166.0	1137.0	1115.4	1103.3
7.5°	1304.5	1287.6	1269.5	1235.8	1192.5	1173.2	1103.3	1023.8	1002.1	982.9	970.8
10°	1302.1	1282.8	1257.5	1206.9	1104.5	1070.8	1000.9	949.1	935.9	932.3	935.9
12.5°	1293.6	1275.6	1240.6	1156.3	1013.0	990.1	949.1	919.0	916.6	922.6	955.2
15°	1279.2	1262.3	1221.4	1088.9	962.4	945.5	916.6	905.8	919.0	961.2	1058.8
17.5°	1264.7	1245.5	1194.9	1022.6	923.9	911.8	891.3	913.0	987.7	1044.3	1076.8
20°	1245.5	1222.6	1164.8	974.4	896.1	885.3	875.7	973.2	1029.8	1050.3	1068.4
22.5°	1222.6	1198.5	1123.8	940.7	867.2	858.8	864.8	1007.0	1029.8	1044.3	1060.0
25°	1192.5	1172.0	1075.6	914.2	844.4	834.7	857.6	1003.3	1016.6	1020.2	1051.5
27.5°	1164.8	1138.3	1025.0	890.1	816.7	813.0	863.6	987.7	997.3	1000.9	1034.7
30°	1131.0	1091.3	968.4	864.8	787.7	786.5	864.8	968.4	966.0	975.6	1009.4
32.5°	1096.1	1021.4	904.6	833.5	760.0	758.8	856.4	939.5	937.1	950.4	975.6
35°	1063.6	967.2	817.9	797.4	725.1	726.3	835.9	905.8	907.0	919.0	934.7
37.5°	1029.8	920.2	722.7	757.6	691.4	691.4	808.2	874.5	872.1	875.7	897.4
40°	990.1	846.8	638.4	705.8	660.1	656.5	774.5	840.7	832.3	831.1	861.2
42.5°	947.9	766.1	575.8	637.2	623.9	619.1	733.5	799.8	784.1	787.7	826.3
45°	902.2	744.4	527.6	538.4	586.6	583.0	689.0	752.8	742.0	751.6	791.4
47.5°	856.4	701.0	511.9	446.9	546.8	545.6	639.6	707.0	701.0	710.7	752.8
50°	793.8	652.8	510.7	383.0	502.3	507.1	580.6	662.5	662.5	670.9	715.5
52.5°	713.1	593.8	463.7	346.9	450.5	464.9	528.8	623.9	626.3	634.8	674.5
55°	639.6	532.4	430.0	319.2	389.1	420.4	478.2	584.2	589.0	597.4	633.6
57.5°	572.1	443.3	422.8	286.7	332.4	362.6	433.6	545.6	548.0	555.3	590.2
60°	499.9	320.4	387.8	251.7	283.1	305.9	392.7	499.9	508.3	513.1	543.2
62.5°	418.0	232.5	351.7	227.7	259.0	263.8	358.9	456.5	467.3	471.0	489.0
65°	297.5	195.1	298.7	207.2	233.7	234.9	322.8	411.9	421.6	427.6	440.8
67.5°	201.2	159.0	227.7	187.9	214.4	215.6	287.9	360.1	373.4	378.2	386.6
70°	139.7	106.0	168.6	167.4	192.7	195.1	250.5	313.2	325.2	328.8	333.6
72.5°	102.4	85.5	139.7	150.6	169.8	172.2	212.0	260.2	272.2	275.8	278.2
75°	78.3	90.3	113.2	131.3	144.5	145.7	173.4	212.0	220.4	222.8	224.0
77.5°	62.6	84.3	83.1	106.0	118.0	115.6	136.1	163.8	171.0	171.0	171.0
80°	47.0	66.2	62.6	75.9	86.7	84.3	97.6	116.8	119.2	121.7	120.4
82.5°	34.9	42.2	42.2	48.2	57.8	55.4	65.0	75.9	75.9	75.9	78.3
85°	21.7	24.1	19.3	25.3	32.5	31.3	36.1	41.0	42.2	42.2	39.7
87.5°	13.2	10.8	6.0	9.6	14.5	14.5	16.9	18.1	16.9	16.9	16.9
90°	13.0	9.0	5.0	9.0	13.0	14.1	22.1	32.8	38.1	33.8	25.4
92.5°	88.2	54.1	20.1	54.1	88.2	96.7	135.9	188.2	214.4	187.9	134.9
95°	172.8	110.4	48.1	110.4	172.8	188.4	334.5	529.3	626.7	559.3	424.3
97.5°	193.2	138.2	83.2	138.2	193.2	206.9	450.6	775.5	937.9	895.3	810.0
100°	210.0	160.1	110.3	160.1	210.0	222.4	492.8	853.3	1033.5	1036.7	1042.9
102.5°	226.4	179.9	133.3	179.9	226.4	238.0	512.2	877.8	1060.6	1115.0	1223.6
105°	251.2	211.8	172.3	211.8	251.2	261.1	526.6	880.7	1057.6	1179.4	1423.0
107.5°	285.9	249.2	212.4	249.2	285.9	295.1	529.3	841.4	997.5	1167.4	1507.2
110°	305.9	272.6	239.5	272.6	305.9	314.1	525.2	806.7	947.4	1137.3	1517.2



TEST NUMBER: P935151

CATALOG NUMBER: SQ4-FA-100U-075D-930-1D-UNV-STD-W-6

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	329.3	297.7	266.0	297.7	329.3	337.2	525.4	776.3	901.8	1096.2	1485.0
115°	364.4	335.3	306.1	335.3	364.4	371.7	530.2	741.5	847.2	1034.4	1409.0
117.5°	398.7	372.2	345.7	372.2	398.7	405.3	540.0	719.7	809.6	978.6	1316.6
120°	418.6	393.7	368.7	393.7	418.6	424.9	548.1	712.4	794.6	949.0	1257.8
122.5°	441.6	416.4	391.3	416.4	441.6	447.9	559.6	708.6	783.1	922.2	1200.2
125°	471.8	448.8	425.8	448.8	471.8	477.5	575.2	705.4	770.6	888.7	1124.9
127.5°	500.3	477.1	453.9	477.1	500.3	506.1	590.7	703.6	760.0	861.5	1064.3
130°	518.8	493.9	469.0	493.9	518.8	525.1	602.1	704.7	756.0	846.3	1026.9
132.5°	534.3	509.4	484.4	509.4	534.3	540.6	611.2	705.4	752.5	833.4	995.0
135°	552.9	530.2	507.5	530.2	552.9	558.6	621.3	704.7	746.5	814.2	949.5
137.5°	576.1	553.5	531.0	553.5	576.1	581.7	636.3	709.1	745.5	802.8	917.2
140°	592.1	571.3	550.6	571.3	592.1	597.2	645.5	709.8	742.0	791.4	890.3
142.5°	603.9	584.8	565.6	584.8	603.9	608.8	653.2	712.3	742.0	785.4	872.2
145°	622.1	605.4	588.7	605.4	622.1	626.3	663.2	712.4	737.0	772.5	843.6
147.5°	644.2	627.9	611.7	627.9	644.2	648.3	677.8	717.2	737.0	764.9	820.8
150°	656.1	641.4	626.7	641.4	656.1	659.8	685.5	719.8	737.0	760.6	807.7
152.5°	664.6	653.5	642.3	653.5	664.6	667.4	690.6	721.5	737.0	757.1	797.5
155°	681.7	673.6	665.4	673.6	681.7	683.8	701.6	725.2	737.0	753.1	785.1
157.5°	698.4	690.4	682.4	690.4	698.4	700.4	712.6	728.9	737.0	749.4	774.4
160°	706.4	700.1	693.9	700.1	706.4	707.9	717.6	730.6	737.0	747.7	769.0
162.5°	714.8	710.1	705.4	710.1	714.8	716.0	722.9	732.3	737.0	746.0	764.1
165°	726.4	722.1	718.0	722.1	726.4	727.4	730.6	734.9	737.0	743.4	756.3
167.5°	733.5	731.5	729.4	731.5	733.5	733.9	736.6	740.2	742.0	746.2	754.7
170°	741.0	739.0	737.0	739.0	741.0	741.5	741.7	741.9	742.0	746.2	754.7
172.5°	741.9	741.4	741.0	741.4	741.9	742.0	742.0	742.0	742.0	745.3	752.0
175°	746.5	746.5	746.5	746.5	746.5	746.5	744.9	742.9	742.0	744.1	748.3
177.5°	746.5	746.5	746.5	746.5	746.5	746.5	745.3	743.8	743.0	744.7	748.0
180°	746.5	746.5	746.5	746.5	746.5	746.5	746.5	746.5	746.5	746.5	746.5



TEST NUMBER: P935151  
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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1273.2	1273.2	1273.2	1273.2	1273.2	1273.2	1273.2	1273.2	1273.2	1273.2	1273.2
2.5°	1228.6	1225.0	1229.8	1216.5	1229.8	1225.0	1228.6	1237.0	1229.8	1234.6	1239.4
5°	1078.0	1072.0	1052.7	1037.1	1052.7	1072.0	1078.0	1103.3	1115.4	1137.0	1166.0
7.5°	963.6	958.8	954.0	944.3	954.0	958.8	963.6	970.8	982.9	1002.1	1023.8
10°	938.3	939.5	946.7	945.5	946.7	939.5	938.3	935.9	932.3	935.9	949.1
12.5°	1003.3	1014.2	1053.9	1051.5	1053.9	1014.2	1003.3	955.2	922.6	916.6	919.0
15°	1078.0	1081.6	1090.1	1091.3	1090.1	1081.6	1078.0	1058.8	961.2	919.0	905.8
17.5°	1085.3	1086.5	1092.5	1092.5	1092.5	1086.5	1085.3	1076.8	1044.3	987.7	913.0
20°	1079.2	1081.6	1093.7	1096.1	1093.7	1081.6	1079.2	1068.4	1050.3	1029.8	973.2
22.5°	1076.8	1081.6	1091.3	1090.1	1091.3	1081.6	1076.8	1060.0	1044.3	1029.8	1007.0
25°	1064.8	1064.8	1066.0	1067.2	1066.0	1064.8	1064.8	1051.5	1020.2	1016.6	1003.3
27.5°	1039.5	1041.9	1049.1	1047.9	1049.1	1041.9	1039.5	1034.7	1000.9	997.3	987.7
30°	1016.6	1014.2	1008.2	1003.3	1008.2	1014.2	1016.6	1009.4	975.6	966.0	968.4
32.5°	978.1	972.0	966.0	962.4	966.0	972.0	978.1	975.6	950.4	937.1	939.5
35°	932.3	933.5	932.3	928.7	932.3	933.5	932.3	934.7	919.0	907.0	905.8
37.5°	899.8	902.2	901.0	896.1	901.0	902.2	899.8	897.4	875.7	872.1	874.5
40°	866.0	867.2	866.0	862.4	866.0	867.2	866.0	861.2	831.1	832.3	840.7
42.5°	833.5	832.3	828.7	826.3	828.7	832.3	833.5	826.3	787.7	784.1	799.8
45°	796.2	797.4	790.2	786.5	790.2	797.4	796.2	791.4	751.6	742.0	752.8
47.5°	758.8	758.8	752.8	749.2	752.8	758.8	758.8	752.8	710.7	701.0	707.0
50°	719.1	717.9	709.5	708.2	709.5	717.9	719.1	715.5	670.9	662.5	662.5
52.5°	673.3	673.3	674.5	676.9	674.5	673.3	673.3	674.5	634.8	626.3	623.9
55°	633.6	634.8	643.2	645.6	643.2	634.8	633.6	633.6	597.4	589.0	584.2
57.5°	592.6	592.6	598.6	598.6	598.6	592.6	592.6	590.2	555.3	548.0	545.6
60°	545.6	548.0	552.9	551.7	552.9	548.0	545.6	543.2	513.1	508.3	499.9
62.5°	496.3	498.7	499.9	497.5	499.9	498.7	496.3	489.0	471.0	467.3	456.5
65°	444.5	446.9	448.1	445.7	448.1	446.9	444.5	440.8	427.6	421.6	411.9
67.5°	391.5	390.3	389.1	393.9	389.1	390.3	391.5	386.6	378.2	373.4	360.1
70°	337.3	337.3	336.1	338.5	336.1	337.3	337.3	333.6	328.8	325.2	313.2
72.5°	279.4	278.2	283.1	279.4	283.1	278.2	279.4	278.2	275.8	272.2	260.2
75°	222.8	225.2	222.8	226.4	222.8	225.2	222.8	224.0	222.8	220.4	212.0
77.5°	169.8	172.2	169.8	169.8	169.8	172.2	169.8	171.0	171.0	171.0	163.8
80°	120.4	119.2	119.2	118.0	119.2	119.2	120.4	120.4	121.7	119.2	116.8
82.5°	77.1	75.9	75.9	78.3	75.9	75.9	77.1	78.3	75.9	75.9	75.9
85°	42.2	43.4	41.0	41.0	41.0	43.4	42.2	39.7	42.2	42.2	41.0
87.5°	15.7	14.5	14.5	14.5	14.5	14.5	15.7	16.9	16.9	16.9	18.1
90°	19.0	19.0	19.0	19.0	19.0	19.0	19.0	25.4	33.8	38.1	32.8
92.5°	95.2	91.4	76.2	61.1	76.2	91.4	95.2	134.9	187.9	214.4	188.2
95°	323.1	311.6	265.8	219.9	265.8	311.6	323.1	424.3	559.3	626.7	529.3
97.5°	746.0	724.1	636.9	549.6	636.9	724.1	746.0	810.0	895.3	937.9	775.5
100°	1047.6	1021.6	917.6	813.6	917.6	1021.6	1047.6	1042.9	1036.7	1033.5	853.3
102.5°	1305.1	1282.9	1193.7	1104.7	1193.7	1282.9	1305.1	1223.6	1115.0	1060.6	877.8
105°	1605.7	1593.7	1545.9	1498.0	1545.9	1593.7	1605.7	1423.0	1179.4	1057.6	880.7
107.5°	1762.0	1764.9	1776.6	1788.1	1776.6	1764.9	1762.0	1507.2	1167.4	997.5	841.4
110°	1802.1	1814.5	1864.5	1914.4	1864.5	1814.5	1802.1	1517.2	1137.3	947.4	806.7



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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1776.6	1795.7	1872.3	1948.9	1872.3	1795.7	1776.6	1485.0	1096.2	901.8	776.3
115°	1689.9	1716.5	1822.6	1928.9	1822.6	1716.5	1689.9	1409.0	1034.4	847.2	741.5
117.5°	1570.1	1599.6	1717.4	1835.2	1717.4	1599.6	1570.1	1316.6	978.6	809.6	719.7
120°	1489.5	1518.1	1632.6	1747.0	1632.6	1518.1	1489.5	1257.8	949.0	794.6	712.4
122.5°	1408.8	1437.0	1550.0	1662.9	1550.0	1437.0	1408.8	1200.2	922.2	783.1	708.6
125°	1302.1	1328.2	1432.1	1536.1	1432.1	1328.2	1302.1	1124.9	888.7	770.6	705.4
127.5°	1216.5	1238.4	1326.2	1413.8	1326.2	1238.4	1216.5	1064.3	861.5	760.0	703.6
130°	1162.3	1182.6	1263.7	1344.7	1263.7	1182.6	1162.3	1026.9	846.3	756.0	704.7
132.5°	1116.3	1134.4	1207.0	1279.6	1207.0	1134.4	1116.3	995.0	833.4	752.5	705.4
135°	1051.1	1066.8	1129.3	1191.9	1129.3	1066.8	1051.1	949.5	814.2	746.5	704.7
137.5°	1003.0	1015.8	1067.0	1118.3	1067.0	1015.8	1003.0	917.2	802.8	745.5	709.1
140°	964.4	976.4	1024.3	1072.2	1024.3	976.4	964.4	890.3	791.4	742.0	709.8
142.5°	937.3	947.6	988.9	1030.1	988.9	947.6	937.3	872.2	785.4	742.0	712.3
145°	896.8	904.6	935.8	967.0	935.8	904.6	896.8	843.6	772.5	737.0	712.4
147.5°	862.7	869.2	895.0	920.9	895.0	869.2	862.7	820.8	764.9	737.0	717.2
150°	843.2	848.4	869.3	890.3	869.3	848.4	843.2	807.7	760.6	737.0	719.8
152.5°	827.7	831.6	847.4	863.2	847.4	831.6	827.7	797.5	757.1	737.0	721.5
155°	809.1	811.8	822.2	832.6	822.2	811.8	809.1	785.1	753.1	737.0	725.2
157.5°	793.1	795.0	802.3	809.6	802.3	795.0	793.1	774.4	749.4	737.0	728.9
160°	785.1	786.1	790.4	794.6	790.4	786.1	785.1	769.0	747.7	737.0	730.6
162.5°	777.5	778.5	782.5	786.5	782.5	778.5	777.5	764.1	746.0	737.0	732.3
165°	766.1	767.1	771.4	775.5	771.4	767.1	766.1	756.3	743.4	737.0	734.9
167.5°	761.0	761.5	763.3	765.0	763.3	761.5	761.0	754.7	746.2	742.0	740.2
170°	761.0	761.0	761.0	761.0	761.0	761.0	761.0	754.7	746.2	742.0	741.9
172.5°	757.0	756.6	755.1	753.5	755.1	756.6	757.0	752.0	745.3	742.0	742.0
175°	751.5	751.5	751.5	751.5	751.5	751.5	751.5	748.3	744.1	742.0	742.9
177.5°	750.5	750.0	748.2	746.5	748.2	750.0	750.5	748.0	744.7	743.0	743.8
180°	746.5	746.5	746.5	746.5	746.5	746.5	746.5	746.5	746.5	746.5	746.5



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	1273.2	1273.2	1273.2	1273.2	1273.2
2.5°	1257.5	1263.5	1267.1	1272.0	1284.0
5°	1209.3	1232.2	1239.4	1257.5	1279.2
7.5°	1103.3	1173.2	1192.5	1235.8	1269.5
10°	1000.9	1070.8	1104.5	1206.9	1257.5
12.5°	949.1	990.1	1013.0	1156.3	1240.6
15°	916.6	945.5	962.4	1088.9	1221.4
17.5°	891.3	911.8	923.9	1022.6	1194.9
20°	875.7	885.3	896.1	974.4	1164.8
22.5°	864.8	858.8	867.2	940.7	1123.8
25°	857.6	834.7	844.4	914.2	1075.6
27.5°	863.6	813.0	816.7	890.1	1025.0
30°	864.8	786.5	787.7	864.8	968.4
32.5°	856.4	758.8	760.0	833.5	904.6
35°	835.9	726.3	725.1	797.4	817.9
37.5°	808.2	691.4	691.4	757.6	722.7
40°	774.5	656.5	660.1	705.8	638.4
42.5°	733.5	619.1	623.9	637.2	575.8
45°	689.0	583.0	586.6	538.4	527.6
47.5°	639.6	545.6	546.8	446.9	511.9
50°	580.6	507.1	502.3	383.0	510.7
52.5°	528.8	464.9	450.5	346.9	463.7
55°	478.2	420.4	389.1	319.2	430.0
57.5°	433.6	362.6	332.4	286.7	422.8
60°	392.7	305.9	283.1	251.7	387.8
62.5°	358.9	263.8	259.0	227.7	351.7
65°	322.8	234.9	233.7	207.2	298.7
67.5°	287.9	215.6	214.4	187.9	227.7
70°	250.5	195.1	192.7	167.4	168.6
72.5°	212.0	172.2	169.8	150.6	139.7
75°	173.4	145.7	144.5	131.3	113.2
77.5°	136.1	115.6	118.0	106.0	83.1
80°	97.6	84.3	86.7	75.9	62.6
82.5°	65.0	55.4	57.8	48.2	42.2
85°	36.1	31.3	32.5	25.3	19.3
87.5°	16.9	14.5	14.5	9.6	6.0
90°	22.1	14.1	13.0	9.0	5.0
92.5°	135.9	96.7	88.2	54.1	20.1
95°	334.5	188.4	172.8	110.4	48.1
97.5°	450.6	206.9	193.2	138.2	83.2
100°	492.8	222.4	210.0	160.1	110.3
102.5°	512.2	238.0	226.4	179.9	133.3
105°	526.6	261.1	251.2	211.8	172.3
107.5°	529.3	295.1	285.9	249.2	212.4
110°	525.2	314.1	305.9	272.6	239.5



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CATALOG NUMBER: SQ4-FA-100U-075D-930-1D-UNV-STD-W-6

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	525.4	337.2	329.3	297.7	266.0
115°	530.2	371.7	364.4	335.3	306.1
117.5°	540.0	405.3	398.7	372.2	345.7
120°	548.1	424.9	418.6	393.7	368.7
122.5°	559.6	447.9	441.6	416.4	391.3
125°	575.2	477.5	471.8	448.8	425.8
127.5°	590.7	506.1	500.3	477.1	453.9
130°	602.1	525.1	518.8	493.9	469.0
132.5°	611.2	540.6	534.3	509.4	484.4
135°	621.3	558.6	552.9	530.2	507.5
137.5°	636.3	581.7	576.1	553.5	531.0
140°	645.5	597.2	592.1	571.3	550.6
142.5°	653.2	608.8	603.9	584.8	565.6
145°	663.2	626.3	622.1	605.4	588.7
147.5°	677.8	648.3	644.2	627.9	611.7
150°	685.5	659.8	656.1	641.4	626.7
152.5°	690.6	667.4	664.6	653.5	642.3
155°	701.6	683.8	681.7	673.6	665.4
157.5°	712.6	700.4	698.4	690.4	682.4
160°	717.6	707.9	706.4	700.1	693.9
162.5°	722.9	716.0	714.8	710.1	705.4
165°	730.6	727.4	726.4	722.1	718.0
167.5°	736.6	733.9	733.5	731.5	729.4
170°	741.7	741.5	741.0	739.0	737.0
172.5°	742.0	742.0	741.9	741.4	741.0
175°	744.9	746.5	746.5	746.5	746.5
177.5°	745.3	746.5	746.5	746.5	746.5
180°	746.5	746.5	746.5	746.5	746.5



TEST NUMBER: P935151  
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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	11.03	11.82	12.07	12.86	14.26	13.86	14.64	14.89	15.68	17.08
	3H	11.50	12.21	12.55	13.26	14.67	15.20	15.90	16.24	16.95	18.37
	4H	11.69	12.36	12.75	13.41	14.83	15.63	16.30	16.69	17.35	18.78
	6H	11.81	12.42	12.87	13.47	14.91	15.91	16.53	16.98	17.58	19.02
	8H	11.81	12.39	12.88	13.46	14.89	15.99	16.57	17.06	17.64	19.07
	12H	11.77	12.33	12.85	13.39	14.85	16.02	16.57	17.10	17.64	19.10
4H	2H	12.06	12.72	13.12	13.77	15.20	14.26	14.92	15.32	15.97	17.40
	3H	13.07	13.63	14.15	14.71	16.15	15.75	16.31	16.82	17.39	18.83
	4H	13.35	13.85	14.42	14.93	16.39	16.28	16.79	17.35	17.86	19.32
	6H	13.47	13.90	14.55	15.00	16.45	16.64	17.07	17.72	18.17	19.62
	8H	13.47	13.88	14.56	14.96	16.44	16.74	17.15	17.83	18.23	19.70
	12H	13.44	13.80	14.54	14.90	16.38	16.79	17.16	17.90	18.26	19.74
8H	4H	13.79	14.20	14.88	15.29	16.76	16.40	16.80	17.48	17.89	19.36
	6H	14.05	14.39	15.16	15.52	16.98	16.83	17.16	17.94	18.29	19.76
	8H	14.09	14.39	15.21	15.50	16.99	16.98	17.27	18.09	18.38	19.87
	12H	14.07	14.33	15.19	15.44	16.96	17.07	17.33	18.19	18.44	19.96
12H	4H	13.80	14.16	14.90	15.26	16.74	16.36	16.72	17.46	17.82	19.30
	6H	14.11	14.41	15.23	15.52	17.00	16.82	17.12	17.94	18.23	19.72
	8H	14.17	14.43	15.29	15.54	17.07	16.98	17.24	18.10	18.35	19.87