

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: P935670

Luminaire Tested: SQ4-FA-125U-100D-935-1D-UNV-STD-W-4

Issue Date: 12/17/2024

**Test Information**

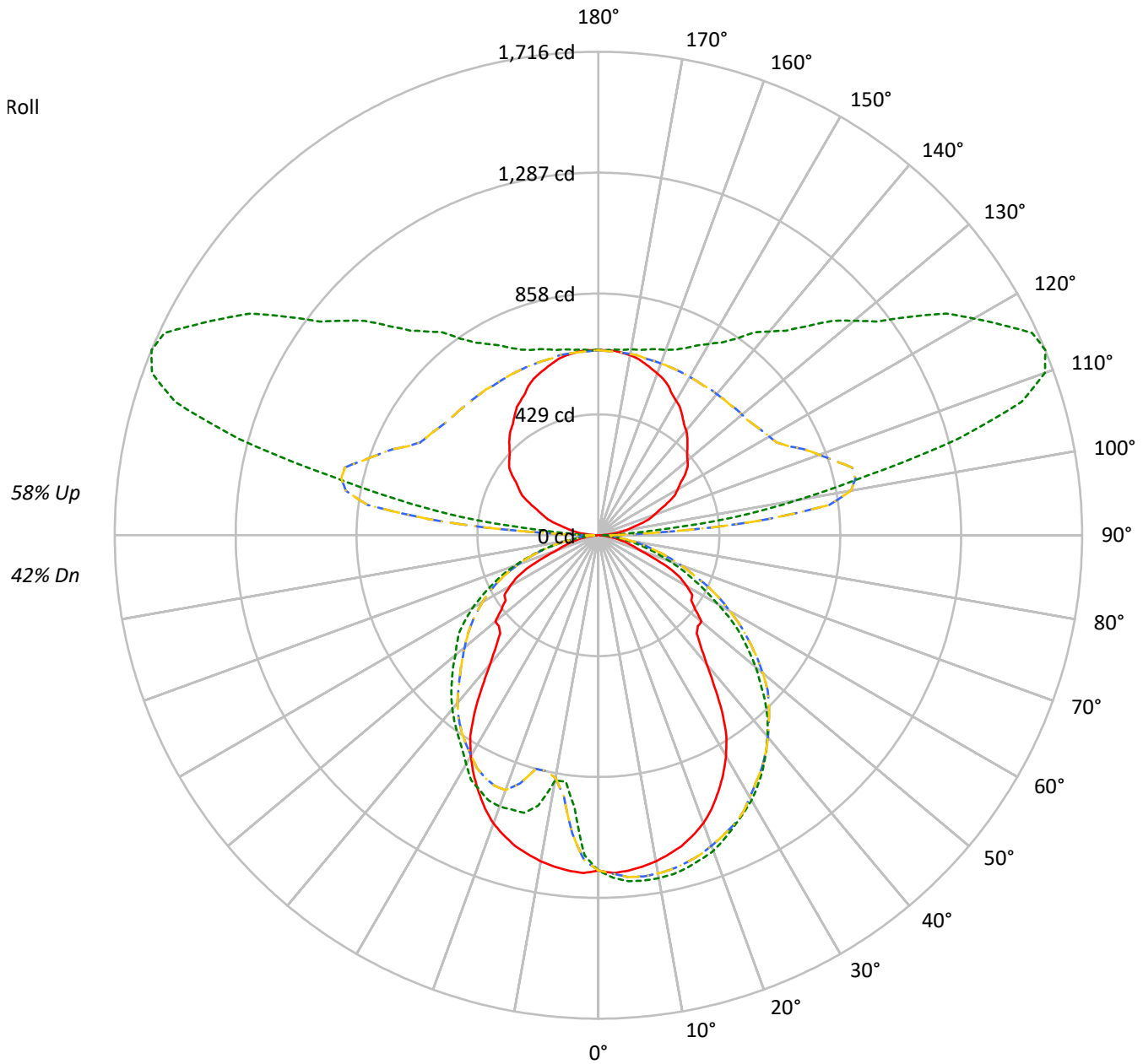
Test Method: LM-79-2019  
Report Number: P935670  
REPORT IS A COMBINATION OF REPORTS P933762 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-125U-100D-935-1D-UNV-STD-W-4  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7348.5 lumens  
Efficiency: N/A  
Efficacy: 114.1 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): 64.4  
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	79	79	79	63	63	63	49	49	49	49	49	49	42
1	96	92	88	85	88	84	81	78	69	67	65	56	54	53	43	42	41	41	41	41	35
2	87	80	74	69	80	73	68	64	61	57	54	49	46	44	38	36	35	35	35	35	30
3	80	70	63	57	72	65	58	53	53	49	45	43	40	37	34	31	30	30	30	30	25
4	73	62	54	49	66	57	50	45	47	42	38	38	35	32	30	28	25	25	25	25	22
5	67	55	47	41	61	51	44	39	42	37	33	34	31	27	27	24	22	22	22	22	19
6	62	50	42	36	56	46	39	33	38	33	29	31	27	24	24	22	19	19	19	19	16
7	57	45	37	31	52	41	34	29	34	29	25	28	24	21	22	19	17	17	17	17	15
8	53	40	33	28	48	37	31	26	31	26	22	26	22	19	20	18	15	15	15	15	13
9	49	37	30	25	45	34	27	23	29	24	20	24	20	17	19	16	14	14	14	14	12
10	46	34	27	22	42	31	25	21	26	21	18	22	18	15	17	15	13	13	13	13	11

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

	0°	90°	180°	270°
0°	11040	11040	11040	11040
5°	11111	11146	11111	8763
10°	11025	10979	11025	7849
15°	10892	10740	10892	8968
20°	10652	10459	10652	8988
25°	10174	10048	10174	8797
30°	9560	9707	9560	8379
35°	8509	9275	8509	7919
40°	7079	8767	7079	7572
45°	6313	8172	6313	7173
50°	6691	7464	6691	6772
55°	6278	6699	6278	6541
60°	6446	5689	6446	5990
65°	5818	4703	5818	5257
70°	4001	3749	4001	4407
75°	3469	2770	3469	3317
80°	2738	1831	2738	1994
85°	1490	970	1490	825

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 9693 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	107.4	1.5
10°-20°	305.0	4.1
20°-30°	471.4	6.4
30°-40°	562.8	7.7
40°-50°	566.1	7.7
50°-60°	492.5	6.7
60°-70°	349.2	4.8
70°-80°	184.7	2.5
80°-90°	48.5	0.7
90°-100°	320.4	4.4
100°-110°	842.3	11.5
110°-120°	873.4	11.9
120°-130°	700.6	9.5
130°-140°	549.7	7.5
140°-150°	421.9	5.7
150°-160°	303.9	4.1
160°-170°	185.9	2.5
170°-180°	62.8	0.9
0°-30°	883.8	12.0
0°-40°	1446.5	19.7
0°-60°	2505.1	34.1
0°-90°	3087.6	42.0
90°-120°	2036.1	27.7
90°-150°	3708.3	50.5
90°-180°	4261.0	58.0
0°-180°	7348.5	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1190	1190	1190	1190	1190	
5°	1196	1233	1196	969	1196	113
15°	1141	1221	1141	1020	1141	321
25°	1005	1139	1005	997	1005	462
35°	764	1016	764	868	764	473
45°	493	838	493	735	493	395
55°	402	618	402	603	402	369
65°	279	373	279	416	279	267
75°	106	177	106	212	106	111
85°	18	45	18	38	18	24
90°	4	17	4	17	4	4
95°	42	194	42	194	42	47
105°	152	1319	152	1319	152	161
115°	270	1698	270	1698	270	266
125°	375	1352	375	1352	375	333
135°	447	1049	447	1049	447	346
145°	518	851	518	851	518	325
155°	586	733	586	733	586	269
165°	632	683	632	683	632	178
175°	657	662	657	662	657	62
180°	657	657	657	657	657	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1189.8	1189.8	1189.8	1189.8	1189.8	1189.8	1189.8	1189.8	1189.8	1189.8	1189.8
2.5°	1200.0	1200.0	1206.8	1209.0	1209.0	1205.6	1202.3	1205.6	1215.7	1219.1	1218.0
5°	1195.5	1204.5	1216.9	1219.1	1221.3	1220.2	1218.0	1220.2	1231.5	1233.8	1234.9
7.5°	1186.5	1203.4	1219.1	1222.5	1225.9	1222.5	1221.3	1223.6	1234.9	1237.1	1237.1
10°	1175.2	1198.8	1216.9	1219.1	1222.5	1219.1	1219.1	1223.6	1234.9	1237.1	1238.3
12.5°	1159.5	1192.1	1209.0	1211.3	1215.7	1214.6	1213.5	1218.0	1229.3	1231.5	1231.5
15°	1141.4	1179.8	1195.5	1197.7	1205.6	1203.4	1203.4	1207.9	1220.2	1223.6	1222.5
17.5°	1116.7	1164.0	1182.0	1185.4	1191.0	1189.8	1191.0	1195.5	1206.8	1209.0	1210.1
20°	1088.5	1142.6	1164.0	1167.3	1172.9	1172.9	1172.9	1178.6	1189.8	1194.3	1194.3
22.5°	1050.3	1120.0	1142.6	1144.8	1151.6	1151.6	1153.9	1161.7	1171.8	1172.9	1172.9
25°	1005.3	1095.3	1114.4	1121.2	1128.0	1131.3	1134.7	1139.2	1142.6	1141.4	1142.6
27.5°	958.0	1063.8	1088.5	1093.0	1102.1	1105.5	1109.9	1111.1	1112.2	1115.5	1113.3
30°	905.1	1019.8	1057.0	1061.5	1076.2	1078.4	1073.9	1076.2	1081.8	1084.1	1086.3
32.5°	845.4	954.6	1024.4	1034.5	1048.0	1041.2	1040.1	1043.5	1052.6	1052.6	1054.8
35°	764.3	904.0	994.0	1003.0	1013.1	1005.3	1009.7	1010.9	1016.5	1019.8	1018.7
37.5°	675.4	860.0	962.5	969.2	977.1	966.9	973.8	977.1	981.6	979.4	979.4
40°	596.7	791.3	925.4	929.8	936.6	928.7	935.4	937.7	939.9	937.7	936.6
42.5°	538.1	715.9	885.9	891.5	887.0	892.6	894.9	899.5	896.0	891.5	891.5
45°	493.1	695.7	843.1	849.9	843.1	852.2	855.5	855.5	845.4	843.1	842.0
47.5°	478.4	655.2	800.4	800.4	797.0	808.2	813.9	806.0	795.9	792.5	792.5
50°	477.3	610.1	741.8	737.3	753.1	766.6	761.0	753.1	745.2	732.8	732.8
52.5°	433.4	555.0	666.4	683.3	708.1	715.9	706.9	699.1	685.5	679.9	675.4
55°	401.9	497.6	597.8	631.5	657.4	667.5	650.7	642.7	622.5	619.1	616.8
57.5°	395.2	414.2	534.7	577.5	609.0	607.9	597.8	583.1	566.2	562.8	561.7
60°	362.4	299.4	467.2	517.8	550.5	547.1	538.1	524.6	508.8	506.6	504.3
62.5°	328.7	217.3	390.6	448.1	494.2	493.1	485.2	464.9	453.7	448.1	443.6
65°	279.2	182.3	278.0	372.6	439.0	441.3	424.4	409.7	397.4	390.6	389.4
67.5°	212.7	148.6	188.0	310.7	386.1	383.8	362.4	355.7	339.9	336.5	329.8
70°	157.6	99.1	130.6	252.2	334.3	328.7	311.8	303.9	289.3	281.4	276.9
72.5°	130.6	79.9	95.7	195.9	281.4	274.7	260.0	251.0	238.6	231.9	227.4
75°	105.8	84.4	73.2	145.2	228.5	224.0	210.5	201.5	191.4	182.3	183.5
77.5°	77.7	78.8	58.5	106.9	181.2	174.5	166.6	155.3	150.8	141.9	141.9
80°	58.5	61.9	43.9	73.2	130.6	130.6	123.8	116.0	108.0	103.6	103.6
82.5°	39.4	39.4	32.6	46.2	88.9	85.5	81.0	78.8	74.3	72.1	72.1
85°	18.0	22.5	20.3	28.1	48.4	50.7	50.7	48.4	47.3	45.0	46.2
87.5°	5.6	10.1	12.4	15.8	24.8	25.9	27.0	27.0	27.0	28.1	28.1
90°	4.4	7.9	11.5	12.4	19.4	28.8	33.5	29.7	22.3	16.8	16.8
92.5°	17.6	47.6	77.6	85.1	119.7	165.8	188.8	165.5	118.9	83.8	80.5
95°	42.3	97.2	152.2	165.9	294.5	466.0	551.8	492.5	373.7	284.6	274.4
97.5°	73.2	121.6	170.1	182.2	396.7	682.7	825.8	788.2	713.1	656.8	637.6
100°	97.0	141.0	184.9	195.9	433.9	751.3	910.0	912.7	918.3	922.4	899.5
102.5°	117.3	158.3	199.3	209.5	451.0	772.9	933.9	981.8	1077.4	1149.2	1129.6
105°	151.7	186.5	221.2	229.9	463.7	775.4	931.2	1038.5	1253.0	1413.8	1403.2
107.5°	187.0	219.4	251.8	259.9	466.0	740.9	878.3	1027.9	1327.1	1551.4	1554.0
110°	210.9	240.1	269.2	276.6	462.5	710.3	834.2	1001.4	1335.9	1586.8	1597.8



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	234.2	262.1	289.9	296.8	462.6	683.6	794.1	965.2	1307.6	1564.3	1581.1
115°	269.5	295.2	320.9	327.3	466.9	652.9	745.9	910.8	1240.6	1487.9	1511.3
117.5°	304.4	327.8	351.1	356.9	475.6	633.8	712.9	861.6	1159.2	1382.5	1408.4
120°	324.7	346.7	368.7	374.1	482.7	627.3	699.7	835.6	1107.5	1311.5	1336.7
122.5°	344.5	366.7	388.9	394.4	492.8	623.9	689.5	812.0	1056.8	1240.4	1265.3
125°	375.0	395.2	415.4	420.4	506.4	621.1	678.4	782.5	990.4	1146.5	1169.4
127.5°	399.7	420.0	440.4	445.5	520.1	619.5	669.2	758.5	937.1	1071.0	1090.4
130°	412.9	434.9	456.8	462.3	530.1	620.5	665.7	745.2	904.1	1023.4	1041.2
132.5°	426.6	448.6	470.6	476.0	538.2	621.1	662.6	733.7	876.1	982.9	998.8
135°	446.9	466.9	486.8	491.9	547.0	620.5	657.3	717.0	836.2	925.5	939.3
137.5°	467.6	487.3	507.2	512.1	560.2	624.3	656.4	706.7	807.5	883.1	894.3
140°	484.8	503.0	521.3	525.9	568.4	625.0	653.3	696.9	783.9	849.2	859.8
142.5°	498.0	514.9	531.7	536.0	575.1	627.2	653.3	691.6	768.0	825.3	834.4
145°	518.4	533.0	547.8	551.4	583.9	627.2	648.9	680.2	742.7	789.6	796.5
147.5°	538.6	552.9	567.3	570.8	596.8	631.5	648.9	673.5	722.8	759.6	765.4
150°	551.8	564.8	577.7	581.0	603.6	633.8	648.9	669.7	711.2	742.4	747.0
152.5°	565.6	575.4	585.2	587.6	608.1	635.3	648.9	666.6	702.1	728.7	732.2
155°	585.8	593.1	600.3	602.1	617.7	638.5	648.9	663.0	691.2	712.4	714.7
157.5°	600.8	607.9	614.9	616.7	627.4	641.7	648.9	659.9	681.9	698.3	699.9
160°	611.0	616.4	622.0	623.3	631.8	643.2	648.9	658.3	677.1	691.2	692.2
162.5°	621.1	625.2	629.4	630.4	636.5	644.8	648.9	656.8	672.7	684.7	685.5
165°	632.1	635.8	639.6	640.5	643.3	647.0	648.9	654.6	665.9	674.4	675.4
167.5°	642.3	644.0	645.8	646.2	648.6	651.8	653.3	657.1	664.5	670.1	670.5
170°	648.9	650.7	652.5	652.9	653.1	653.2	653.3	657.1	664.5	670.1	670.1
172.5°	652.5	652.8	653.2	653.3	653.3	653.3	653.3	656.2	662.1	666.5	666.2
175°	657.3	657.3	657.3	657.3	656.0	654.2	653.3	655.2	658.9	661.7	661.7
177.5°	657.3	657.3	657.3	657.3	656.3	654.8	654.2	655.6	658.6	660.8	660.4
180°	657.3	657.3	657.3	657.3	657.3	657.3	657.3	657.3	657.3	657.3	657.3



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1189.8	1189.8	1189.8	1189.8	1189.8	1189.8	1189.8	1189.8	1189.8	1189.8	1189.8
2.5°	1220.2	1216.9	1220.2	1218.0	1219.1	1215.7	1205.6	1202.3	1205.6	1209.0	1209.0
5°	1234.9	1232.7	1234.9	1234.9	1233.8	1231.5	1220.2	1218.0	1220.2	1221.3	1219.1
7.5°	1239.4	1236.0	1239.4	1237.1	1237.1	1234.9	1223.6	1221.3	1222.5	1225.9	1222.5
10°	1239.4	1236.0	1239.4	1238.3	1237.1	1234.9	1223.6	1219.1	1219.1	1222.5	1219.1
12.5°	1233.8	1231.5	1233.8	1231.5	1231.5	1229.3	1218.0	1213.5	1214.6	1215.7	1211.3
15°	1224.8	1221.3	1224.8	1222.5	1223.6	1220.2	1207.9	1203.4	1203.4	1205.6	1197.7
17.5°	1211.3	1206.8	1211.3	1210.1	1209.0	1206.8	1195.5	1191.0	1189.8	1191.0	1185.4
20°	1195.5	1192.1	1195.5	1194.3	1194.3	1189.8	1178.6	1172.9	1172.9	1172.9	1167.3
22.5°	1170.7	1167.3	1170.7	1172.9	1172.9	1171.8	1161.7	1153.9	1151.6	1151.6	1144.8
25°	1142.6	1139.2	1142.6	1142.6	1141.4	1142.6	1139.2	1134.7	1131.3	1128.0	1121.2
27.5°	1115.5	1113.3	1115.5	1113.3	1115.5	1112.2	1111.1	1109.9	1105.5	1102.1	1093.0
30°	1088.5	1086.3	1088.5	1086.3	1084.1	1081.8	1076.2	1073.9	1078.4	1076.2	1061.5
32.5°	1054.8	1052.6	1054.8	1054.8	1052.6	1052.6	1043.5	1040.1	1041.2	1048.0	1034.5
35°	1019.8	1016.5	1019.8	1018.7	1019.8	1016.5	1010.9	1009.7	1005.3	1013.1	1003.0
37.5°	979.4	976.0	979.4	979.4	979.4	981.6	977.1	973.8	966.9	977.1	969.2
40°	937.7	933.2	937.7	936.6	937.7	939.9	937.7	935.4	928.7	936.6	929.8
42.5°	890.4	889.3	890.4	891.5	891.5	896.0	899.5	894.9	892.6	887.0	891.5
45°	839.7	837.5	839.7	842.0	843.1	845.4	855.5	855.5	852.2	843.1	849.9
47.5°	785.7	780.1	785.7	792.5	792.5	795.9	806.0	813.9	808.2	797.0	800.4
50°	728.3	729.5	728.3	732.8	732.8	745.2	753.1	761.0	766.6	753.1	737.3
52.5°	672.1	670.9	672.1	675.4	679.9	685.5	699.1	706.9	715.9	708.1	683.3
55°	615.7	618.0	615.7	616.8	619.1	622.5	642.7	650.7	667.5	657.4	631.5
57.5°	559.5	556.1	559.5	561.7	562.8	566.2	583.1	597.8	607.9	609.0	577.5
60°	494.2	489.6	494.2	504.3	506.6	508.8	524.6	538.1	547.1	550.5	517.8
62.5°	436.7	428.9	436.7	443.6	448.1	453.7	464.9	485.2	493.1	494.2	448.1
65°	376.0	372.6	376.0	389.4	390.6	397.4	409.7	424.4	441.3	439.0	372.6
67.5°	320.9	320.9	320.9	329.8	336.5	339.9	355.7	362.4	383.8	386.1	310.7
70°	270.2	269.1	270.2	276.9	281.4	289.3	303.9	311.8	328.7	334.3	252.2
72.5°	221.8	220.7	221.8	227.4	231.9	238.6	251.0	260.0	274.7	281.4	195.9
75°	179.0	176.7	179.0	183.5	182.3	191.4	201.5	210.5	224.0	228.5	145.2
77.5°	137.3	137.3	137.3	141.9	141.9	150.8	155.3	166.6	174.5	181.2	106.9
80°	102.4	101.3	102.4	103.6	103.6	108.0	116.0	123.8	130.6	130.6	73.2
82.5°	72.1	69.8	72.1	72.1	72.1	74.3	78.8	81.0	85.5	88.9	46.2
85°	45.0	45.0	45.0	46.2	45.0	47.3	48.4	50.7	50.7	48.4	28.1
87.5°	29.3	28.1	29.3	28.1	28.1	27.0	27.0	27.0	25.9	24.8	15.8
90°	16.8	16.8	16.8	16.8	16.8	22.3	29.7	33.5	28.8	19.4	12.4
92.5°	67.1	53.8	67.1	80.5	83.8	118.9	165.5	188.8	165.8	119.7	85.1
95°	234.0	193.7	234.0	274.4	284.6	373.7	492.5	551.8	466.0	294.5	165.9
97.5°	560.8	483.9	560.8	637.6	656.8	713.1	788.2	825.8	682.7	396.7	182.2
100°	808.0	716.4	808.0	899.5	922.4	918.3	912.7	910.0	751.3	433.9	195.9
102.5°	1051.1	972.7	1051.1	1129.6	1149.2	1077.4	981.8	933.9	772.9	451.0	209.5
105°	1361.2	1319.0	1361.2	1403.2	1413.8	1253.0	1038.5	931.2	775.4	463.7	229.9
107.5°	1564.2	1574.4	1564.2	1554.0	1551.4	1327.1	1027.9	878.3	740.9	466.0	259.9
110°	1641.6	1685.5	1641.6	1597.8	1586.8	1335.9	1001.4	834.2	710.3	462.5	276.6





TEST NUMBER: P935670

CATALOG NUMBER: SQ4-FA-125U-100D-935-1D-UNV-STD-W-4

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	1648.5	1716.0	1648.5	1581.1	1564.3	1307.6	965.2	794.1	683.6	462.6	296.8
115°	1604.8	1698.4	1604.8	1511.3	1487.9	1240.6	910.8	745.9	652.9	466.9	327.3
117.5°	1512.1	1615.8	1512.1	1408.4	1382.5	1159.2	861.6	712.9	633.8	475.6	356.9
120°	1437.4	1538.2	1437.4	1336.7	1311.5	1107.5	835.6	699.7	627.3	482.7	374.1
122.5°	1364.6	1464.1	1364.6	1265.3	1240.4	1056.8	812.0	689.5	623.9	492.8	394.4
125°	1260.9	1352.5	1260.9	1169.4	1146.5	990.4	782.5	678.4	621.1	506.4	420.4
127.5°	1167.6	1244.9	1167.6	1090.4	1071.0	937.1	758.5	669.2	619.5	520.1	445.5
130°	1112.6	1184.0	1112.6	1041.2	1023.4	904.1	745.2	665.7	620.5	530.1	462.3
132.5°	1062.7	1126.6	1062.7	998.8	982.9	876.1	733.7	662.6	621.1	538.2	476.0
135°	994.4	1049.4	994.4	939.3	925.5	836.2	717.0	657.3	620.5	547.0	491.9
137.5°	939.5	984.6	939.5	894.3	883.1	807.5	706.7	656.4	624.3	560.2	512.1
140°	901.8	944.0	901.8	859.8	849.2	783.9	696.9	653.3	625.0	568.4	525.9
142.5°	870.7	907.0	870.7	834.4	825.3	768.0	691.6	653.3	627.2	575.1	536.0
145°	824.0	851.4	824.0	796.5	789.6	742.7	680.2	648.9	627.2	583.9	551.4
147.5°	788.0	810.8	788.0	765.4	759.6	722.8	673.5	648.9	631.5	596.8	570.8
150°	765.5	783.9	765.5	747.0	742.4	711.2	669.7	648.9	633.8	603.6	581.0
152.5°	746.1	760.1	746.1	732.2	728.7	702.1	666.6	648.9	635.3	608.1	587.6
155°	723.9	733.1	723.9	714.7	712.4	691.2	663.0	648.9	638.5	617.7	602.1
157.5°	706.4	712.9	706.4	699.9	698.3	681.9	659.9	648.9	641.7	627.4	616.7
160°	695.9	699.7	695.9	692.2	691.2	677.1	658.3	648.9	643.2	631.8	623.3
162.5°	689.1	692.6	689.1	685.5	684.7	672.7	656.8	648.9	644.8	636.5	630.4
165°	679.1	682.9	679.1	675.4	674.4	665.9	654.6	648.9	647.0	643.3	640.5
167.5°	672.1	673.6	672.1	670.5	670.1	664.5	657.1	653.3	651.8	648.6	646.2
170°	670.1	670.1	670.1	670.1	670.1	664.5	657.1	653.3	653.2	653.1	652.9
172.5°	664.8	663.5	664.8	666.2	666.5	662.1	656.2	653.3	653.3	653.3	653.3
175°	661.7	661.7	661.7	661.7	661.7	658.9	655.2	653.3	654.2	656.0	657.3
177.5°	658.9	657.3	658.9	660.4	660.8	658.6	655.6	654.2	654.8	656.3	657.3
180°	657.3	657.3	657.3	657.3	657.3	657.3	657.3	657.3	657.3	657.3	657.3



TEST NUMBER: P935670

CATALOG NUMBER: SQ4-FA-125U-100D-935-1D-UNV-STD-W-4

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1189.8	1189.8	1189.8	1189.8	1189.8	1189.8	1189.8	1189.8	1189.8	1189.8	1189.8
2.5°	1206.8	1200.0	1200.0	1188.7	1184.2	1180.9	1175.2	1158.4	1153.9	1149.3	1156.1
5°	1216.9	1204.5	1195.5	1175.2	1158.4	1151.6	1130.2	1089.7	1062.6	1042.4	1031.2
7.5°	1219.1	1203.4	1186.5	1155.0	1114.4	1096.4	1031.2	956.9	936.6	918.5	907.3
10°	1216.9	1198.8	1175.2	1128.0	1032.3	1000.8	935.4	887.0	874.7	871.3	874.7
12.5°	1209.0	1192.1	1159.5	1080.7	946.7	925.4	887.0	858.9	856.7	862.3	892.6
15°	1195.5	1179.8	1141.4	1017.6	899.5	883.7	856.7	846.5	858.9	898.3	989.5
17.5°	1182.0	1164.0	1116.7	955.7	863.4	852.2	833.0	853.3	923.1	976.0	1006.4
20°	1164.0	1142.6	1088.5	910.7	837.5	827.4	818.3	909.6	962.5	981.6	998.5
22.5°	1142.6	1120.0	1050.3	879.2	810.5	802.6	808.2	941.1	962.5	976.0	990.6
25°	1114.4	1095.3	1005.3	854.4	789.1	780.1	801.5	937.7	950.1	953.5	982.7
27.5°	1088.5	1063.8	958.0	831.9	763.2	759.8	807.1	923.1	932.1	935.4	966.9
30°	1057.0	1019.8	905.1	808.2	736.2	735.1	808.2	905.1	902.8	911.8	943.3
32.5°	1024.4	954.6	845.4	779.0	710.3	709.2	800.4	878.1	875.8	888.2	911.8
35°	994.0	904.0	764.3	745.2	677.7	678.8	781.2	846.5	847.7	858.9	873.6
37.5°	962.5	860.0	675.4	708.1	646.2	646.2	755.3	817.2	815.0	818.3	838.6
40°	925.4	791.3	596.7	659.6	616.8	613.5	723.9	785.7	777.9	776.8	804.9
42.5°	885.9	715.9	538.1	595.5	583.1	578.6	685.5	747.5	732.8	736.2	772.3
45°	843.1	695.7	493.1	503.2	548.2	544.9	643.9	703.6	693.4	702.5	739.6
47.5°	800.4	655.2	478.4	417.7	511.0	509.9	597.8	660.8	655.2	664.1	703.6
50°	741.8	610.1	477.3	358.0	469.5	473.9	542.6	619.1	619.1	627.0	668.6
52.5°	666.4	555.0	433.4	324.2	421.0	434.5	494.2	583.1	585.3	593.2	630.4
55°	597.8	497.6	401.9	298.3	363.6	392.9	446.9	546.0	550.5	558.3	592.1
57.5°	534.7	414.2	395.2	268.0	310.7	338.8	405.2	509.9	512.2	519.0	551.6
60°	467.2	299.4	362.4	235.2	264.5	285.9	367.0	467.2	475.1	479.5	507.7
62.5°	390.6	217.3	328.7	212.7	242.1	246.6	335.4	426.6	436.7	440.1	457.0
65°	278.0	182.3	279.2	193.7	218.4	219.5	301.7	385.0	394.0	399.6	412.0
67.5°	188.0	148.6	212.7	175.6	200.4	201.5	269.1	336.5	349.0	353.5	361.3
70°	130.6	99.1	157.6	156.5	180.1	182.3	234.1	292.7	303.9	307.3	311.8
72.5°	95.7	79.9	130.6	140.8	158.7	160.9	198.1	243.2	254.4	257.8	260.0
75°	73.2	84.4	105.8	122.7	135.0	136.2	162.1	198.1	206.0	208.2	209.3
77.5°	58.5	78.8	77.7	99.1	110.3	108.0	127.2	153.1	159.8	159.8	159.8
80°	43.9	61.9	58.5	70.9	81.0	78.8	91.2	109.2	111.4	113.7	112.5
82.5°	32.6	39.4	39.4	45.0	54.0	51.8	60.7	70.9	70.9	70.9	73.2
85°	20.3	22.5	18.0	23.6	30.4	29.3	33.7	38.3	39.4	39.4	37.1
87.5°	12.4	10.1	5.6	9.0	13.5	13.5	15.8	16.9	15.8	15.8	15.8
90°	11.5	7.9	4.4	7.9	11.5	12.4	19.4	28.8	33.5	29.7	22.3
92.5°	77.6	47.6	17.6	47.6	77.6	85.1	119.7	165.8	188.8	165.5	118.9
95°	152.2	97.2	42.3	97.2	152.2	165.9	294.5	466.0	551.8	492.5	373.7
97.5°	170.1	121.6	73.2	121.6	170.1	182.2	396.7	682.7	825.8	788.2	713.1
100°	184.9	141.0	97.0	141.0	184.9	195.9	433.9	751.3	910.0	912.7	918.3
102.5°	199.3	158.3	117.3	158.3	199.3	209.5	451.0	772.9	933.9	981.8	1077.4
105°	221.2	186.5	151.7	186.5	221.2	229.9	463.7	775.4	931.2	1038.5	1253.0
107.5°	251.8	219.4	187.0	219.4	251.8	259.9	466.0	740.9	878.3	1027.9	1327.1
110°	269.2	240.1	210.9	240.1	269.2	276.6	462.5	710.3	834.2	1001.4	1335.9



TEST NUMBER: P935670

CATALOG NUMBER: SQ4-FA-125U-100D-935-1D-UNV-STD-W-4

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	289.9	262.1	234.2	262.1	289.9	296.8	462.6	683.6	794.1	965.2	1307.6
115°	320.9	295.2	269.5	295.2	320.9	327.3	466.9	652.9	745.9	910.8	1240.6
117.5°	351.1	327.8	304.4	327.8	351.1	356.9	475.6	633.8	712.9	861.6	1159.2
120°	368.7	346.7	324.7	346.7	368.7	374.1	482.7	627.3	699.7	835.6	1107.5
122.5°	388.9	366.7	344.5	366.7	388.9	394.4	492.8	623.9	689.5	812.0	1056.8
125°	415.4	395.2	375.0	395.2	415.4	420.4	506.4	621.1	678.4	782.5	990.4
127.5°	440.4	420.0	399.7	420.0	440.4	445.5	520.1	619.5	669.2	758.5	937.1
130°	456.8	434.9	412.9	434.9	456.8	462.3	530.1	620.5	665.7	745.2	904.1
132.5°	470.6	448.6	426.6	448.6	470.6	476.0	538.2	621.1	662.6	733.7	876.1
135°	486.8	466.9	446.9	466.9	486.8	491.9	547.0	620.5	657.3	717.0	836.2
137.5°	507.2	487.3	467.6	487.3	507.2	512.1	560.2	624.3	656.4	706.7	807.5
140°	521.3	503.0	484.8	503.0	521.3	525.9	568.4	625.0	653.3	696.9	783.9
142.5°	531.7	514.9	498.0	514.9	531.7	536.0	575.1	627.2	653.3	691.6	768.0
145°	547.8	533.0	518.4	533.0	547.8	551.4	583.9	627.2	648.9	680.2	742.7
147.5°	567.3	552.9	538.6	552.9	567.3	570.8	596.8	631.5	648.9	673.5	722.8
150°	577.7	564.8	551.8	564.8	577.7	581.0	603.6	633.8	648.9	669.7	711.2
152.5°	585.2	575.4	565.6	575.4	585.2	587.6	608.1	635.3	648.9	666.6	702.1
155°	600.3	593.1	585.8	593.1	600.3	602.1	617.7	638.5	648.9	663.0	691.2
157.5°	614.9	607.9	600.8	607.9	614.9	616.7	627.4	641.7	648.9	659.9	681.9
160°	622.0	616.4	611.0	616.4	622.0	623.3	631.8	643.2	648.9	658.3	677.1
162.5°	629.4	625.2	621.1	625.2	629.4	630.4	636.5	644.8	648.9	656.8	672.7
165°	639.6	635.8	632.1	635.8	639.6	640.5	643.3	647.0	648.9	654.6	665.9
167.5°	645.8	644.0	642.3	644.0	645.8	646.2	648.6	651.8	653.3	657.1	664.5
170°	652.5	650.7	648.9	650.7	652.5	652.9	653.1	653.2	653.3	657.1	664.5
172.5°	653.2	652.8	652.5	652.8	653.2	653.3	653.3	653.3	653.3	656.2	662.1
175°	657.3	657.3	657.3	657.3	657.3	657.3	656.0	654.2	653.3	655.2	658.9
177.5°	657.3	657.3	657.3	657.3	657.3	657.3	656.3	654.8	654.2	655.6	658.6
180°	657.3	657.3	657.3	657.3	657.3	657.3	657.3	657.3	657.3	657.3	657.3



TEST NUMBER: P935670  
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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1189.8	1189.8	1189.8	1189.8	1189.8	1189.8	1189.8	1189.8	1189.8	1189.8	1189.8
2.5°	1148.2	1144.8	1149.3	1136.9	1149.3	1144.8	1148.2	1156.1	1149.3	1153.9	1158.4
5°	1007.5	1001.9	983.9	969.2	983.9	1001.9	1007.5	1031.2	1042.4	1062.6	1089.7
7.5°	900.6	896.0	891.5	882.5	891.5	896.0	900.6	907.3	918.5	936.6	956.9
10°	876.9	878.1	884.8	883.7	884.8	878.1	876.9	874.7	871.3	874.7	887.0
12.5°	937.7	947.8	985.0	982.7	985.0	947.8	937.7	892.6	862.3	856.7	858.9
15°	1007.5	1010.9	1018.7	1019.8	1018.7	1010.9	1007.5	989.5	898.3	858.9	846.5
17.5°	1014.2	1015.4	1021.0	1021.0	1021.0	1015.4	1014.2	1006.4	976.0	923.1	853.3
20°	1008.6	1010.9	1022.1	1024.4	1022.1	1010.9	1008.6	998.5	981.6	962.5	909.6
22.5°	1006.4	1010.9	1019.8	1018.7	1019.8	1010.9	1006.4	990.6	976.0	962.5	941.1
25°	995.1	995.1	996.2	997.4	996.2	995.1	995.1	982.7	953.5	950.1	937.7
27.5°	971.5	973.8	980.5	979.4	980.5	973.8	971.5	966.9	935.4	932.1	923.1
30°	950.1	947.8	942.2	937.7	942.2	947.8	950.1	943.3	911.8	902.8	905.1
32.5°	914.0	908.4	902.8	899.5	902.8	908.4	914.0	911.8	888.2	875.8	878.1
35°	871.3	872.4	871.3	867.9	871.3	872.4	871.3	873.6	858.9	847.7	846.5
37.5°	840.9	843.1	842.0	837.5	842.0	843.1	840.9	838.6	818.3	815.0	817.2
40°	809.4	810.5	809.4	806.0	809.4	810.5	809.4	804.9	776.8	777.9	785.7
42.5°	779.0	777.9	774.5	772.3	774.5	777.9	779.0	772.3	736.2	732.8	747.5
45°	744.1	745.2	738.4	735.1	738.4	745.2	744.1	739.6	702.5	693.4	703.6
47.5°	709.2	709.2	703.6	700.2	703.6	709.2	709.2	703.6	664.1	655.2	660.8
50°	672.1	670.9	663.0	661.9	663.0	670.9	672.1	668.6	627.0	619.1	619.1
52.5°	629.3	629.3	630.4	632.6	630.4	629.3	629.3	630.4	593.2	585.3	583.1
55°	592.1	593.2	601.1	603.4	601.1	593.2	592.1	592.1	558.3	550.5	546.0
57.5°	553.8	553.8	559.5	559.5	559.5	553.8	553.8	551.6	519.0	512.2	509.9
60°	509.9	512.2	516.7	515.5	516.7	512.2	509.9	507.7	479.5	475.1	467.2
62.5°	463.7	466.0	467.2	464.9	467.2	466.0	463.7	457.0	440.1	436.7	426.6
65°	415.4	417.7	418.8	416.5	418.8	417.7	415.4	412.0	399.6	394.0	385.0
67.5°	365.8	364.7	363.6	368.1	363.6	364.7	365.8	361.3	353.5	349.0	336.5
70°	315.2	315.2	314.0	316.3	314.0	315.2	315.2	311.8	307.3	303.9	292.7
72.5°	261.1	260.0	264.5	261.1	264.5	260.0	261.1	260.0	257.8	254.4	243.2
75°	208.2	210.5	208.2	211.6	208.2	210.5	208.2	209.3	208.2	206.0	198.1
77.5°	158.7	160.9	158.7	158.7	158.7	160.9	158.7	159.8	159.8	159.8	153.1
80°	112.5	111.4	111.4	110.3	111.4	111.4	112.5	112.5	113.7	111.4	109.2
82.5°	72.1	70.9	70.9	73.2	70.9	70.9	72.1	73.2	70.9	70.9	70.9
85°	39.4	40.6	38.3	38.3	38.3	40.6	39.4	37.1	39.4	39.4	38.3
87.5°	14.7	13.5	13.5	13.5	13.5	13.5	14.7	15.8	15.8	15.8	16.9
90°	16.8	16.8	16.8	16.8	16.8	16.8	16.8	22.3	29.7	33.5	28.8
92.5°	83.8	80.5	67.1	53.8	67.1	80.5	83.8	118.9	165.5	188.8	165.8
95°	284.6	274.4	234.0	193.7	234.0	274.4	284.6	373.7	492.5	551.8	466.0
97.5°	656.8	637.6	560.8	483.9	560.8	637.6	656.8	713.1	788.2	825.8	682.7
100°	922.4	899.5	808.0	716.4	808.0	899.5	922.4	918.3	912.7	910.0	751.3
102.5°	1149.2	1129.6	1051.1	972.7	1051.1	1129.6	1149.2	1077.4	981.8	933.9	772.9
105°	1413.8	1403.2	1361.2	1319.0	1361.2	1403.2	1413.8	1253.0	1038.5	931.2	775.4
107.5°	1551.4	1554.0	1564.2	1574.4	1564.2	1554.0	1551.4	1327.1	1027.9	878.3	740.9
110°	1586.8	1597.8	1641.6	1685.5	1641.6	1597.8	1586.8	1335.9	1001.4	834.2	710.3



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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1564.3	1581.1	1648.5	1716.0	1648.5	1581.1	1564.3	1307.6	965.2	794.1	683.6
115°	1487.9	1511.3	1604.8	1698.4	1604.8	1511.3	1487.9	1240.6	910.8	745.9	652.9
117.5°	1382.5	1408.4	1512.1	1615.8	1512.1	1408.4	1382.5	1159.2	861.6	712.9	633.8
120°	1311.5	1336.7	1437.4	1538.2	1437.4	1336.7	1311.5	1107.5	835.6	699.7	627.3
122.5°	1240.4	1265.3	1364.6	1464.1	1364.6	1265.3	1240.4	1056.8	812.0	689.5	623.9
125°	1146.5	1169.4	1260.9	1352.5	1260.9	1169.4	1146.5	990.4	782.5	678.4	621.1
127.5°	1071.0	1090.4	1167.6	1244.9	1167.6	1090.4	1071.0	937.1	758.5	669.2	619.5
130°	1023.4	1041.2	1112.6	1184.0	1112.6	1041.2	1023.4	904.1	745.2	665.7	620.5
132.5°	982.9	998.8	1062.7	1126.6	1062.7	998.8	982.9	876.1	733.7	662.6	621.1
135°	925.5	939.3	994.4	1049.4	994.4	939.3	925.5	836.2	717.0	657.3	620.5
137.5°	883.1	894.3	939.5	984.6	939.5	894.3	883.1	807.5	706.7	656.4	624.3
140°	849.2	859.8	901.8	944.0	901.8	859.8	849.2	783.9	696.9	653.3	625.0
142.5°	825.3	834.4	870.7	907.0	870.7	834.4	825.3	768.0	691.6	653.3	627.2
145°	789.6	796.5	824.0	851.4	824.0	796.5	789.6	742.7	680.2	648.9	627.2
147.5°	759.6	765.4	788.0	810.8	788.0	765.4	759.6	722.8	673.5	648.9	631.5
150°	742.4	747.0	765.5	783.9	765.5	747.0	742.4	711.2	669.7	648.9	633.8
152.5°	728.7	732.2	746.1	760.1	746.1	732.2	728.7	702.1	666.6	648.9	635.3
155°	712.4	714.7	723.9	733.1	723.9	714.7	712.4	691.2	663.0	648.9	638.5
157.5°	698.3	699.9	706.4	712.9	706.4	699.9	698.3	681.9	659.9	648.9	641.7
160°	691.2	692.2	695.9	699.7	695.9	692.2	691.2	677.1	658.3	648.9	643.2
162.5°	684.7	685.5	689.1	692.6	689.1	685.5	684.7	672.7	656.8	648.9	644.8
165°	674.4	675.4	679.1	682.9	679.1	675.4	674.4	665.9	654.6	648.9	647.0
167.5°	670.1	670.5	672.1	673.6	672.1	670.5	670.1	664.5	657.1	653.3	651.8
170°	670.1	670.1	670.1	670.1	670.1	670.1	670.1	664.5	657.1	653.3	653.2
172.5°	666.5	666.2	664.8	663.5	664.8	666.2	666.5	662.1	656.2	653.3	653.3
175°	661.7	661.7	661.7	661.7	661.7	661.7	661.7	658.9	655.2	653.3	654.2
177.5°	660.8	660.4	658.9	657.3	658.9	660.4	660.8	658.6	655.6	654.2	654.8
180°	657.3	657.3	657.3	657.3	657.3	657.3	657.3	657.3	657.3	657.3	657.3



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	1189.8	1189.8	1189.8	1189.8	1189.8
2.5°	1175.2	1180.9	1184.2	1188.7	1200.0
5°	1130.2	1151.6	1158.4	1175.2	1195.5
7.5°	1031.2	1096.4	1114.4	1155.0	1186.5
10°	935.4	1000.8	1032.3	1128.0	1175.2
12.5°	887.0	925.4	946.7	1080.7	1159.5
15°	856.7	883.7	899.5	1017.6	1141.4
17.5°	833.0	852.2	863.4	955.7	1116.7
20°	818.3	827.4	837.5	910.7	1088.5
22.5°	808.2	802.6	810.5	879.2	1050.3
25°	801.5	780.1	789.1	854.4	1005.3
27.5°	807.1	759.8	763.2	831.9	958.0
30°	808.2	735.1	736.2	808.2	905.1
32.5°	800.4	709.2	710.3	779.0	845.4
35°	781.2	678.8	677.7	745.2	764.3
37.5°	755.3	646.2	646.2	708.1	675.4
40°	723.9	613.5	616.8	659.6	596.7
42.5°	685.5	578.6	583.1	595.5	538.1
45°	643.9	544.9	548.2	503.2	493.1
47.5°	597.8	509.9	511.0	417.7	478.4
50°	542.6	473.9	469.5	358.0	477.3
52.5°	494.2	434.5	421.0	324.2	433.4
55°	446.9	392.9	363.6	298.3	401.9
57.5°	405.2	338.8	310.7	268.0	395.2
60°	367.0	285.9	264.5	235.2	362.4
62.5°	335.4	246.6	242.1	212.7	328.7
65°	301.7	219.5	218.4	193.7	279.2
67.5°	269.1	201.5	200.4	175.6	212.7
70°	234.1	182.3	180.1	156.5	157.6
72.5°	198.1	160.9	158.7	140.8	130.6
75°	162.1	136.2	135.0	122.7	105.8
77.5°	127.2	108.0	110.3	99.1	77.7
80°	91.2	78.8	81.0	70.9	58.5
82.5°	60.7	51.8	54.0	45.0	39.4
85°	33.7	29.3	30.4	23.6	18.0
87.5°	15.8	13.5	13.5	9.0	5.6
90°	19.4	12.4	11.5	7.9	4.4
92.5°	119.7	85.1	77.6	47.6	17.6
95°	294.5	165.9	152.2	97.2	42.3
97.5°	396.7	182.2	170.1	121.6	73.2
100°	433.9	195.9	184.9	141.0	97.0
102.5°	451.0	209.5	199.3	158.3	117.3
105°	463.7	229.9	221.2	186.5	151.7
107.5°	466.0	259.9	251.8	219.4	187.0
110°	462.5	276.6	269.2	240.1	210.9



TEST NUMBER: P935670

CATALOG NUMBER: SQ4-FA-125U-100D-935-1D-UNV-STD-W-4

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	462.6	296.8	289.9	262.1	234.2
115°	466.9	327.3	320.9	295.2	269.5
117.5°	475.6	356.9	351.1	327.8	304.4
120°	482.7	374.1	368.7	346.7	324.7
122.5°	492.8	394.4	388.9	366.7	344.5
125°	506.4	420.4	415.4	395.2	375.0
127.5°	520.1	445.5	440.4	420.0	399.7
130°	530.1	462.3	456.8	434.9	412.9
132.5°	538.2	476.0	470.6	448.6	426.6
135°	547.0	491.9	486.8	466.9	446.9
137.5°	560.2	512.1	507.2	487.3	467.6
140°	568.4	525.9	521.3	503.0	484.8
142.5°	575.1	536.0	531.7	514.9	498.0
145°	583.9	551.4	547.8	533.0	518.4
147.5°	596.8	570.8	567.3	552.9	538.6
150°	603.6	581.0	577.7	564.8	551.8
152.5°	608.1	587.6	585.2	575.4	565.6
155°	617.7	602.1	600.3	593.1	585.8
157.5°	627.4	616.7	614.9	607.9	600.8
160°	631.8	623.3	622.0	616.4	611.0
162.5°	636.5	630.4	629.4	625.2	621.1
165°	643.3	640.5	639.6	635.8	632.1
167.5°	648.6	646.2	645.8	644.0	642.3
170°	653.1	652.9	652.5	650.7	648.9
172.5°	653.3	653.3	653.2	652.8	652.5
175°	656.0	657.3	657.3	657.3	657.3
177.5°	656.3	657.3	657.3	657.3	657.3
180°	657.3	657.3	657.3	657.3	657.3



TEST NUMBER: P935670  
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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	12.35	13.15	13.37	14.18	15.56	15.15	15.94	16.17	16.97	18.35
	3H	12.82	13.53	13.86	14.57	15.98	16.48	17.19	17.51	18.23	19.63
	4H	13.01	13.69	14.06	14.73	16.14	16.91	17.59	17.96	18.63	20.04
	6H	13.13	13.75	14.18	14.79	16.21	17.19	17.81	18.24	18.85	20.27
	8H	13.13	13.72	14.19	14.78	16.20	17.26	17.85	18.32	18.91	20.32
	12H	13.10	13.66	14.16	14.71	16.15	17.29	17.85	18.35	18.91	20.34
4H	2H	13.37	14.04	14.42	15.08	16.49	15.55	16.23	16.60	17.27	18.68
	3H	14.39	14.95	15.45	16.02	17.44	17.04	17.60	18.10	18.67	20.09
	4H	14.66	15.18	15.73	16.24	17.68	17.56	18.07	18.63	19.14	20.58
	6H	14.78	15.23	15.86	16.31	17.75	17.91	18.36	18.99	19.44	20.88
	8H	14.79	15.20	15.86	16.28	17.73	18.01	18.43	19.09	19.50	20.96
	12H	14.75	15.12	15.85	16.22	17.67	18.06	18.44	19.16	19.53	20.98
8H	4H	15.11	15.52	16.18	16.59	18.05	17.68	18.09	18.76	19.17	20.62
	6H	15.36	15.70	16.46	16.82	18.27	18.11	18.45	19.20	19.56	21.02
	8H	15.41	15.70	16.51	16.81	18.28	18.25	18.55	19.36	19.65	21.12
	12H	15.39	15.65	16.50	16.75	18.26	18.34	18.60	19.45	19.70	21.21
12H	4H	15.11	15.48	16.20	16.57	18.03	17.64	18.01	18.73	19.11	20.56
	6H	15.42	15.72	16.53	16.82	18.29	18.10	18.40	19.21	19.50	20.97
	8H	15.49	15.75	16.59	16.85	18.35	18.26	18.52	19.36	19.62	21.12