

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: P935223

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

Issue Date: 12/17/2024

**Test Information**

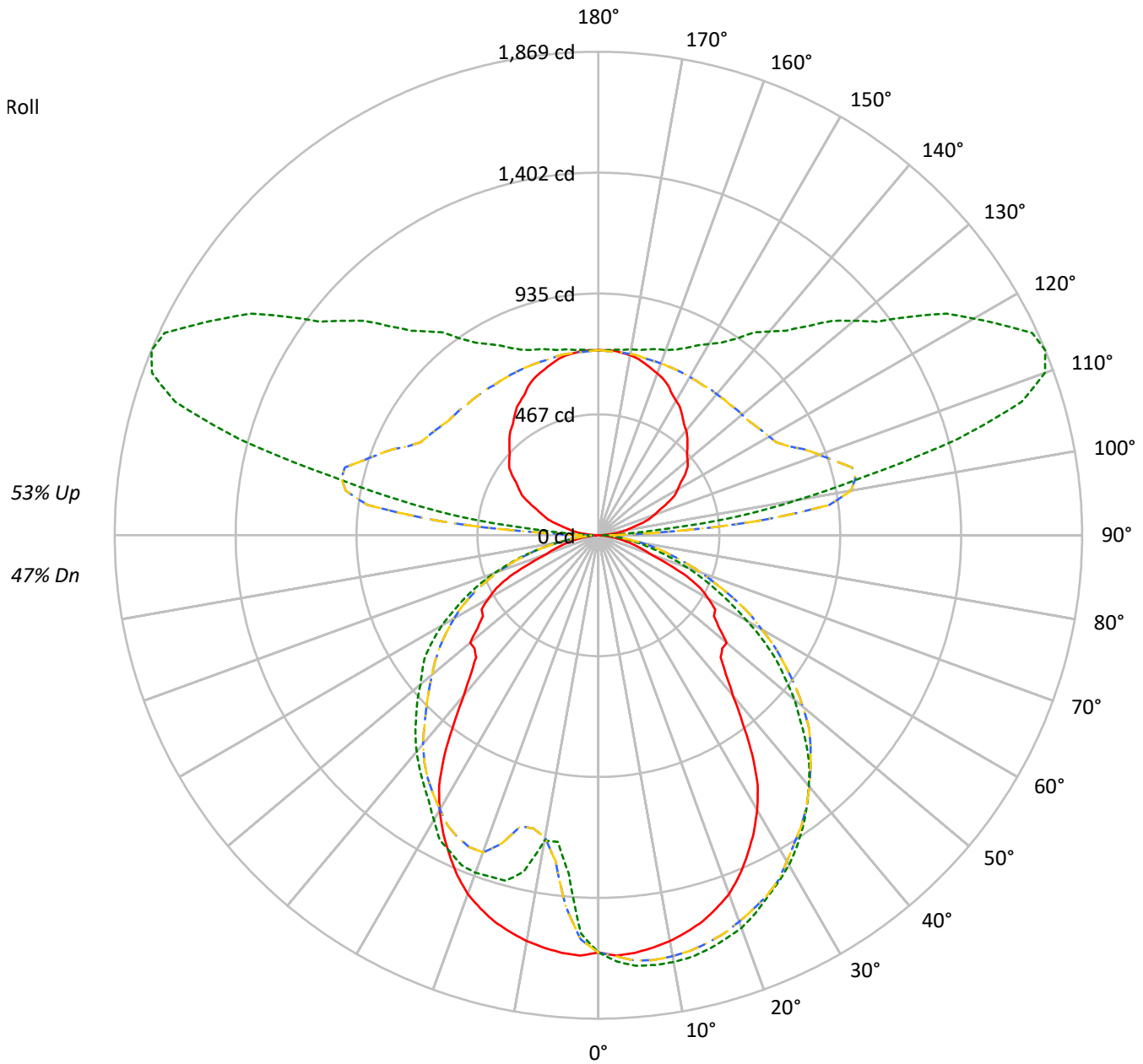
Test Method: LM-79-2019  
Report Number: P935223  
REPORT IS A COMBINATION OF REPORTS P933747 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-100U-100D-927-1D-UNV-STD-W-6  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8825.0 lumens  
Efficiency: N/A  
Efficacy: 101.4 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): 87  
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				
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	107	107	107	107	98	98	98	98	82	82	82	67	67	67	54	54	54	47	47	47	47
1	97	93	89	86	89	86	82	79	72	70	67	59	58	56	48	47	46	40	40	40	40
2	89	81	75	70	81	75	70	65	63	59	56	52	49	47	42	40	38	34	34	34	34
3	81	71	64	58	74	66	60	54	56	51	47	46	43	40	37	35	33	28	28	28	28
4	74	63	55	49	68	58	51	46	49	44	40	41	37	34	33	30	28	24	24	24	24
5	68	56	48	42	62	52	45	39	44	39	34	37	33	29	30	27	24	21	21	21	21
6	62	50	42	36	57	47	39	34	40	34	30	33	29	26	27	24	21	19	19	19	19
7	58	45	37	32	53	42	35	30	36	30	26	30	26	23	25	21	19	16	16	16	16
8	53	41	33	28	49	38	31	27	33	27	23	28	23	20	23	19	17	15	15	15	15
9	50	38	30	25	46	35	28	24	30	25	21	25	21	18	21	18	15	13	13	13	13
10	46	34	27	22	43	32	26	21	28	22	19	23	19	16	19	16	14	12	12	12	12

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

	0°	90°	180°	270°
0°	9977	9977	9977	9977
5°	10048	10071	10048	7920
10°	9978	9921	9978	7093
15°	9865	9706	9865	8105
20°	9656	9452	9656	8121
25°	9229	9080	9229	7950
30°	8680	8772	8680	7572
35°	7734	8381	7734	7157
40°	6441	7923	6441	6843
45°	5752	7386	5752	6482
50°	6105	6745	6105	6120
55°	5739	6054	5739	5911
60°	5908	5141	5908	5414
65°	5349	4250	5349	4751
70°	3694	3387	3694	3982
75°	3229	2503	3229	2999
80°	2581	1656	2581	1802
85°	1455	878	1455	745

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 8820 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	145.6	1.6
10°-20°	413.4	4.7
20°-30°	639.0	7.2
30°-40°	762.8	8.6
40°-50°	767.3	8.7
50°-60°	667.6	7.6
60°-70°	473.4	5.4
70°-80°	250.4	2.8
80°-90°	65.1	0.7
90°-100°	348.9	4.0
100°-110°	917.3	10.4
110°-120°	951.2	10.8
120°-130°	763.0	8.6
130°-140°	598.7	6.8
140°-150°	459.5	5.2
150°-160°	330.9	3.7
160°-170°	202.5	2.3
170°-180°	68.4	0.8
0°-30°	1198.0	13.6
0°-40°	1960.8	22.2
0°-60°	3395.7	38.5
0°-90°	4184.6	47.4
90°-120°	2217.4	25.1
90°-150°	4038.6	45.8
90°-180°	4640.0	52.6
0°-180°	8825.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1613	1613	1613	1613	1613	
5°	1620	1671	1620	1314	1620	154
15°	1547	1656	1547	1382	1547	435
25°	1363	1544	1363	1352	1363	626
35°	1036	1378	1036	1176	1036	641
45°	668	1135	668	996	668	535
55°	545	838	545	818	545	501
65°	378	505	378	565	378	362
75°	144	240	144	287	144	151
85°	24	61	24	52	24	33
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°	1612.8	1612.8	1612.8	1612.8	1612.8	1612.8	1612.8	1612.8	1612.8	1612.8	1612.8
2.5°	1626.6	1626.6	1635.8	1638.8	1638.8	1634.2	1629.6	1634.2	1648.0	1652.6	1651.0
5°	1620.5	1632.7	1649.5	1652.6	1655.6	1654.0	1651.0	1654.0	1669.3	1672.4	1673.9
7.5°	1608.3	1631.2	1652.6	1657.1	1661.7	1657.1	1655.6	1658.7	1673.9	1677.0	1677.0
10°	1593.1	1625.1	1649.5	1652.6	1657.1	1652.6	1652.6	1658.7	1673.9	1677.0	1678.4
12.5°	1571.6	1615.9	1638.8	1641.9	1648.0	1646.4	1644.9	1651.0	1666.3	1669.3	1669.3
15°	1547.2	1599.1	1620.5	1623.5	1634.2	1631.2	1631.2	1637.3	1654.0	1658.7	1657.1
17.5°	1513.7	1577.7	1602.2	1606.8	1614.4	1612.8	1614.4	1620.5	1635.8	1638.8	1640.3
20°	1475.6	1548.8	1577.7	1582.4	1590.0	1590.0	1590.0	1597.6	1612.8	1619.0	1619.0
22.5°	1423.7	1518.3	1548.8	1551.9	1561.0	1561.0	1564.0	1574.7	1588.4	1590.0	1590.0
25°	1362.6	1484.7	1510.7	1519.7	1528.9	1533.5	1538.1	1544.2	1548.8	1547.2	1548.8
27.5°	1298.5	1442.0	1475.6	1481.6	1493.9	1498.4	1504.5	1506.0	1507.6	1512.1	1509.1
30°	1226.8	1382.5	1432.8	1438.9	1458.8	1461.8	1455.7	1458.8	1466.4	1469.5	1472.5
32.5°	1145.9	1294.0	1388.5	1402.3	1420.6	1411.4	1409.9	1414.5	1426.7	1426.7	1429.7
35°	1036.1	1225.3	1347.3	1359.6	1373.3	1362.6	1368.8	1370.2	1377.8	1382.5	1380.9
37.5°	915.5	1165.8	1304.6	1313.8	1324.5	1310.8	1319.9	1324.5	1330.6	1327.6	1327.6
40°	808.7	1072.7	1254.3	1260.4	1269.6	1258.9	1268.0	1271.0	1274.1	1271.0	1269.6
42.5°	729.3	970.4	1200.9	1208.5	1202.4	1210.1	1213.1	1219.2	1214.6	1208.5	1208.5
45°	668.4	943.0	1142.9	1152.1	1142.9	1155.1	1159.7	1159.7	1145.9	1142.9	1141.4
47.5°	648.5	888.0	1084.9	1084.9	1080.3	1095.6	1103.2	1092.6	1078.8	1074.2	1074.2
50°	647.0	827.1	1005.5	999.5	1020.8	1039.1	1031.5	1020.8	1010.2	993.4	993.4
52.5°	587.4	752.3	903.3	926.2	959.8	970.4	958.3	947.6	929.2	921.6	915.5
55°	544.8	674.4	810.3	856.0	891.1	904.8	882.0	871.3	843.8	839.2	836.2
57.5°	535.6	561.6	724.8	782.8	825.5	824.0	810.3	790.4	767.5	762.9	761.5
60°	491.3	405.9	633.2	701.9	746.1	741.6	729.3	711.1	689.7	686.7	683.6
62.5°	445.5	294.5	529.5	607.3	669.9	668.4	657.7	630.2	614.9	607.3	601.2
65°	378.5	247.2	376.9	505.0	595.1	598.1	575.3	555.4	538.6	529.5	528.0
67.5°	288.4	201.4	254.8	421.1	523.4	520.4	491.3	482.2	460.8	456.2	447.1
70°	213.6	134.3	177.0	341.8	453.2	445.5	422.7	412.0	392.2	381.5	375.4
72.5°	177.0	108.3	129.7	265.5	381.5	372.3	352.5	340.3	323.5	314.3	308.2
75°	143.5	114.4	99.2	196.8	309.8	303.7	285.4	273.1	259.4	247.2	248.7
77.5°	105.3	106.8	79.3	145.0	245.6	236.5	225.8	210.6	204.4	192.3	192.3
80°	79.3	83.9	59.5	99.2	177.0	177.0	167.9	157.2	146.5	140.4	140.4
82.5°	53.4	53.4	44.3	62.5	120.6	116.0	109.9	106.8	100.7	97.6	97.6
85°	24.4	30.5	27.5	38.1	65.6	68.7	68.7	65.6	64.1	61.1	62.5
87.5°	7.6	13.7	16.8	21.3	33.6	35.1	36.7	36.7	36.7	38.1	38.1
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°	1612.8	1612.8	1612.8	1612.8	1612.8	1612.8	1612.8	1612.8	1612.8	1612.8	1612.8
2.5°	1654.0	1649.5	1654.0	1651.0	1652.6	1648.0	1634.2	1629.6	1634.2	1638.8	1638.8
5°	1673.9	1670.8	1673.9	1673.9	1672.4	1669.3	1654.0	1651.0	1654.0	1655.6	1652.6
7.5°	1680.0	1675.4	1680.0	1677.0	1677.0	1673.9	1658.7	1655.6	1657.1	1661.7	1657.1
10°	1680.0	1675.4	1680.0	1678.4	1677.0	1673.9	1658.7	1652.6	1652.6	1657.1	1652.6
12.5°	1672.4	1669.3	1672.4	1669.3	1669.3	1666.3	1651.0	1644.9	1646.4	1648.0	1641.9
15°	1660.2	1655.6	1660.2	1657.1	1658.7	1654.0	1637.3	1631.2	1631.2	1634.2	1623.5
17.5°	1641.9	1635.8	1641.9	1640.3	1638.8	1635.8	1620.5	1614.4	1612.8	1614.4	1606.8
20°	1620.5	1615.9	1620.5	1619.0	1619.0	1612.8	1597.6	1590.0	1590.0	1590.0	1582.4
22.5°	1586.9	1582.4	1586.9	1590.0	1590.0	1588.4	1574.7	1564.0	1561.0	1561.0	1551.9
25°	1548.8	1544.2	1548.8	1548.8	1547.2	1548.8	1544.2	1538.1	1533.5	1528.9	1519.7
27.5°	1512.1	1509.1	1512.1	1509.1	1512.1	1507.6	1506.0	1504.5	1498.4	1493.9	1481.6
30°	1475.6	1472.5	1475.6	1472.5	1469.5	1466.4	1458.8	1455.7	1461.8	1458.8	1438.9
32.5°	1429.7	1426.7	1429.7	1429.7	1426.7	1426.7	1414.5	1409.9	1411.4	1420.6	1402.3
35°	1382.5	1377.8	1382.5	1380.9	1382.5	1377.8	1370.2	1368.8	1362.6	1373.3	1359.6
37.5°	1327.6	1322.9	1327.6	1327.6	1327.6	1330.6	1324.5	1319.9	1310.8	1324.5	1313.8
40°	1271.0	1265.0	1271.0	1269.6	1271.0	1274.1	1271.0	1268.0	1258.9	1269.6	1260.4
42.5°	1207.0	1205.4	1207.0	1208.5	1208.5	1214.6	1219.2	1213.1	1210.1	1202.4	1208.5
45°	1138.3	1135.3	1138.3	1141.4	1142.9	1145.9	1159.7	1159.7	1155.1	1142.9	1152.1
47.5°	1065.1	1057.4	1065.1	1074.2	1074.2	1078.8	1092.6	1103.2	1095.6	1080.3	1084.9
50°	987.2	988.8	987.2	993.4	993.4	1010.2	1020.8	1031.5	1039.1	1020.8	999.5
52.5°	911.0	909.4	911.0	915.5	921.6	929.2	947.6	958.3	970.4	959.8	926.2
55°	834.7	837.7	834.7	836.2	839.2	843.8	871.3	882.0	904.8	891.1	856.0
57.5°	758.4	753.8	758.4	761.5	762.9	767.5	790.4	810.3	824.0	825.5	782.8
60°	669.9	663.7	669.9	683.6	686.7	689.7	711.1	729.3	741.6	746.1	701.9
62.5°	592.1	581.4	592.1	601.2	607.3	614.9	630.2	657.7	668.4	669.9	607.3
65°	509.7	505.0	509.7	528.0	529.5	538.6	555.4	575.3	598.1	595.1	505.0
67.5°	434.9	434.9	434.9	447.1	456.2	460.8	482.2	491.3	520.4	523.4	421.1
70°	366.2	364.7	366.2	375.4	381.5	392.2	412.0	422.7	445.5	453.2	341.8
72.5°	300.6	299.1	300.6	308.2	314.3	323.5	340.3	352.5	372.3	381.5	265.5
75°	242.6	239.5	242.6	248.7	247.2	259.4	273.1	285.4	303.7	309.8	196.8
77.5°	186.2	186.2	186.2	192.3	192.3	204.4	210.6	225.8	236.5	245.6	145.0
80°	138.8	137.4	138.8	140.4	140.4	146.5	157.2	167.9	177.0	177.0	99.2
82.5°	97.6	94.6	97.6	97.6	97.6	100.7	106.8	109.9	116.0	120.6	62.5
85°	61.1	61.1	61.1	62.5	61.1	64.1	65.6	68.7	68.7	65.6	38.1
87.5°	39.7	38.1	39.7	38.1	38.1	36.7	36.7	36.7	35.1	33.6	21.3
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: P935223

CATALOG NUMBER: SQ4-FA-100U-100D-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: P935223

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

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1612.8	1612.8	1612.8	1612.8	1612.8	1612.8	1612.8	1612.8	1612.8	1612.8	1612.8
2.5°	1635.8	1626.6	1626.6	1611.3	1605.2	1600.7	1593.1	1570.1	1564.0	1557.9	1567.1
5°	1649.5	1632.7	1620.5	1593.1	1570.1	1561.0	1532.0	1477.1	1440.4	1413.0	1397.7
7.5°	1652.6	1631.2	1608.3	1565.6	1510.7	1486.2	1397.7	1297.0	1269.6	1245.1	1229.8
10°	1649.5	1625.1	1593.1	1528.9	1399.2	1356.5	1268.0	1202.4	1185.6	1181.0	1185.6
12.5°	1638.8	1615.9	1571.6	1464.8	1283.3	1254.3	1202.4	1164.2	1161.2	1168.9	1210.1
15°	1620.5	1599.1	1547.2	1379.4	1219.2	1197.8	1161.2	1147.5	1164.2	1217.7	1341.3
17.5°	1602.2	1577.7	1513.7	1295.4	1170.3	1155.1	1129.1	1156.6	1251.2	1322.9	1364.1
20°	1577.7	1548.8	1475.6	1234.5	1135.3	1121.5	1109.3	1232.9	1304.6	1330.6	1353.4
22.5°	1548.8	1518.3	1423.7	1191.7	1098.6	1087.9	1095.6	1275.7	1304.6	1322.9	1342.8
25°	1510.7	1484.7	1362.6	1158.2	1069.7	1057.4	1086.5	1271.0	1287.8	1292.4	1332.1
27.5°	1475.6	1442.0	1298.5	1127.7	1034.6	1030.0	1094.1	1251.2	1263.4	1268.0	1310.8
30°	1432.8	1382.5	1226.8	1095.6	997.9	996.4	1095.6	1226.8	1223.8	1236.0	1278.7
32.5°	1388.5	1294.0	1145.9	1055.9	962.8	961.3	1084.9	1190.2	1187.1	1203.9	1236.0
35°	1347.3	1225.3	1036.1	1010.2	918.6	920.1	1059.0	1147.5	1149.0	1164.2	1184.1
37.5°	1304.6	1165.8	915.5	959.8	875.9	875.9	1023.9	1107.8	1104.7	1109.3	1136.8
40°	1254.3	1072.7	808.7	894.2	836.2	831.6	981.1	1065.1	1054.4	1052.9	1091.0
42.5°	1200.9	970.4	729.3	807.2	790.4	784.3	929.2	1013.2	993.4	997.9	1046.7
45°	1142.9	943.0	668.4	682.1	743.1	738.5	872.8	953.6	939.9	952.2	1002.5
47.5°	1084.9	888.0	648.5	566.1	692.8	691.2	810.3	895.7	888.0	900.3	953.6
50°	1005.5	827.1	647.0	485.3	636.3	642.4	735.5	839.2	839.2	849.9	906.4
52.5°	903.3	752.3	587.4	439.4	570.6	589.0	669.9	790.4	793.5	804.1	854.5
55°	810.3	674.4	544.8	404.3	492.9	532.5	605.8	740.0	746.1	756.8	802.6
57.5°	724.8	561.6	535.6	363.1	421.1	459.3	549.3	691.2	694.3	703.5	747.7
60°	633.2	405.9	491.3	318.9	358.6	387.5	497.4	633.2	644.0	650.0	688.1
62.5°	529.5	294.5	445.5	288.4	328.1	334.2	454.7	578.3	592.1	596.6	619.5
65°	376.9	247.2	378.5	262.4	296.0	297.5	408.9	521.8	534.1	541.7	558.5
67.5°	254.8	201.4	288.4	238.0	271.6	273.1	364.7	456.2	473.0	479.1	489.8
70°	177.0	134.3	213.6	212.1	244.2	247.2	317.4	396.7	412.0	416.6	422.7
72.5°	129.7	108.3	177.0	190.7	215.1	218.2	268.6	329.6	344.9	349.4	352.5
75°	99.2	114.4	143.5	166.3	183.1	184.6	219.8	268.6	279.2	282.3	283.8
77.5°	79.3	106.8	105.3	134.3	149.5	146.5	172.4	207.5	216.7	216.7	216.7
80°	59.5	83.9	79.3	96.1	109.9	106.8	123.6	148.0	151.1	154.1	152.6
82.5°	44.3	53.4	53.4	61.1	73.2	70.2	82.4	96.1	96.1	96.1	99.2
85°	27.5	30.5	24.4	32.0	41.2	39.7	45.8	51.9	53.4	53.4	50.4
87.5°	16.8	13.7	7.6	12.2	18.3	18.3	21.3	22.9	21.3	21.3	21.3
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: P935223

CATALOG NUMBER: SQ4-FA-100U-100D-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: P935223

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

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1612.8	1612.8	1612.8	1612.8	1612.8	1612.8	1612.8	1612.8	1612.8	1612.8	1612.8
2.5°	1556.4	1551.9	1557.9	1541.2	1557.9	1551.9	1556.4	1567.1	1557.9	1564.0	1570.1
5°	1365.7	1358.0	1333.6	1313.8	1333.6	1358.0	1365.7	1397.7	1413.0	1440.4	1477.1
7.5°	1220.7	1214.6	1208.5	1196.3	1208.5	1214.6	1220.7	1229.8	1245.1	1269.6	1297.0
10°	1188.6	1190.2	1199.4	1197.8	1199.4	1190.2	1188.6	1185.6	1181.0	1185.6	1202.4
12.5°	1271.0	1284.8	1335.2	1332.1	1335.2	1284.8	1271.0	1210.1	1168.9	1161.2	1164.2
15°	1365.7	1370.2	1380.9	1382.5	1380.9	1370.2	1365.7	1341.3	1217.7	1164.2	1147.5
17.5°	1374.8	1376.4	1384.0	1384.0	1384.0	1376.4	1374.8	1364.1	1322.9	1251.2	1156.6
20°	1367.2	1370.2	1385.5	1388.5	1385.5	1370.2	1367.2	1353.4	1330.6	1304.6	1232.9
22.5°	1364.1	1370.2	1382.5	1380.9	1382.5	1370.2	1364.1	1342.8	1322.9	1304.6	1275.7
25°	1348.9	1348.9	1350.4	1352.0	1350.4	1348.9	1348.9	1332.1	1292.4	1287.8	1271.0
27.5°	1316.9	1319.9	1329.0	1327.6	1329.0	1319.9	1316.9	1310.8	1268.0	1263.4	1251.2
30°	1287.8	1284.8	1277.2	1271.0	1277.2	1284.8	1287.8	1278.7	1236.0	1223.8	1226.8
32.5°	1239.0	1231.4	1223.8	1219.2	1223.8	1231.4	1239.0	1236.0	1203.9	1187.1	1190.2
35°	1181.0	1182.6	1181.0	1176.5	1181.0	1182.6	1181.0	1184.1	1164.2	1149.0	1147.5
37.5°	1139.8	1142.9	1141.4	1135.3	1141.4	1142.9	1139.8	1136.8	1109.3	1104.7	1107.8
40°	1097.1	1098.6	1097.1	1092.6	1097.1	1098.6	1097.1	1091.0	1052.9	1054.4	1065.1
42.5°	1055.9	1054.4	1049.8	1046.7	1049.8	1054.4	1055.9	1046.7	997.9	993.4	1013.2
45°	1008.6	1010.2	1001.0	996.4	1001.0	1010.2	1008.6	1002.5	952.2	939.9	953.6
47.5°	961.3	961.3	953.6	949.1	953.6	961.3	961.3	953.6	900.3	888.0	895.7
50°	911.0	909.4	898.7	897.2	898.7	909.4	911.0	906.4	849.9	839.2	839.2
52.5°	853.0	853.0	854.5	857.5	854.5	853.0	853.0	854.5	804.1	793.5	790.4
55°	802.6	804.1	814.8	817.9	814.8	804.1	802.6	802.6	756.8	746.1	740.0
57.5°	750.8	750.8	758.4	758.4	758.4	750.8	750.8	747.7	703.5	694.3	691.2
60°	691.2	694.3	700.4	698.9	700.4	694.3	691.2	688.1	650.0	644.0	633.2
62.5°	628.6	631.7	633.2	630.2	633.2	631.7	628.6	619.5	596.6	592.1	578.3
65°	563.0	566.1	567.6	564.6	567.6	566.1	563.0	558.5	541.7	534.1	521.8
67.5°	495.9	494.4	492.9	499.0	492.9	494.4	495.9	489.8	479.1	473.0	456.2
70°	427.3	427.3	425.7	428.7	425.7	427.3	427.3	422.7	416.6	412.0	396.7
72.5°	354.0	352.5	358.6	354.0	358.6	352.5	354.0	352.5	349.4	344.9	329.6
75°	282.3	285.4	282.3	286.9	282.3	285.4	282.3	283.8	282.3	279.2	268.6
77.5°	215.1	218.2	215.1	215.1	215.1	218.2	215.1	216.7	216.7	216.7	207.5
80°	152.6	151.1	151.1	149.5	151.1	151.1	152.6	152.6	154.1	151.1	148.0
82.5°	97.6	96.1	96.1	99.2	96.1	96.1	97.6	99.2	96.1	96.1	96.1
85°	53.4	54.9	51.9	51.9	51.9	54.9	53.4	50.4	53.4	53.4	51.9
87.5°	19.9	18.3	18.3	18.3	18.3	18.3	19.9	21.3	21.3	21.3	22.9
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°	1612.8	1612.8	1612.8	1612.8	1612.8
2.5°	1593.1	1600.7	1605.2	1611.3	1626.6
5°	1532.0	1561.0	1570.1	1593.1	1620.5
7.5°	1397.7	1486.2	1510.7	1565.6	1608.3
10°	1268.0	1356.5	1399.2	1528.9	1593.1
12.5°	1202.4	1254.3	1283.3	1464.8	1571.6
15°	1161.2	1197.8	1219.2	1379.4	1547.2
17.5°	1129.1	1155.1	1170.3	1295.4	1513.7
20°	1109.3	1121.5	1135.3	1234.5	1475.6
22.5°	1095.6	1087.9	1098.6	1191.7	1423.7
25°	1086.5	1057.4	1069.7	1158.2	1362.6
27.5°	1094.1	1030.0	1034.6	1127.7	1298.5
30°	1095.6	996.4	997.9	1095.6	1226.8
32.5°	1084.9	961.3	962.8	1055.9	1145.9
35°	1059.0	920.1	918.6	1010.2	1036.1
37.5°	1023.9	875.9	875.9	959.8	915.5
40°	981.1	831.6	836.2	894.2	808.7
42.5°	929.2	784.3	790.4	807.2	729.3
45°	872.8	738.5	743.1	682.1	668.4
47.5°	810.3	691.2	692.8	566.1	648.5
50°	735.5	642.4	636.3	485.3	647.0
52.5°	669.9	589.0	570.6	439.4	587.4
55°	605.8	532.5	492.9	404.3	544.8
57.5°	549.3	459.3	421.1	363.1	535.6
60°	497.4	387.5	358.6	318.9	491.3
62.5°	454.7	334.2	328.1	288.4	445.5
65°	408.9	297.5	296.0	262.4	378.5
67.5°	364.7	273.1	271.6	238.0	288.4
70°	317.4	247.2	244.2	212.1	213.6
72.5°	268.6	218.2	215.1	190.7	177.0
75°	219.8	184.6	183.1	166.3	143.5
77.5°	172.4	146.5	149.5	134.3	105.3
80°	123.6	106.8	109.9	96.1	79.3
82.5°	82.4	70.2	73.2	61.1	53.4
85°	45.8	39.7	41.2	32.0	24.4
87.5°	21.3	18.3	18.3	12.2	7.6
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: P935223

CATALOG NUMBER: SQ4-FA-100U-100D-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: P935223  
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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	12.55	13.39	13.53	14.38	15.69	15.38	16.21	16.35	17.21	18.51
	3H	13.03	13.78	14.02	14.78	16.11	16.72	17.47	17.71	18.47	19.80
	4H	13.22	13.93	14.22	14.93	16.27	17.16	17.87	18.16	18.88	20.21
	6H	13.33	13.99	14.35	15.00	16.35	17.44	18.10	18.46	19.11	20.46
	8H	13.33	13.96	14.35	14.98	16.33	17.52	18.14	18.53	19.16	20.51
	12H	13.30	13.90	14.33	14.92	16.29	17.55	18.14	18.58	19.16	20.54
4H	2H	13.58	14.29	14.59	15.30	16.63	15.78	16.49	16.79	17.50	18.84
	3H	14.60	15.20	15.62	16.23	17.58	17.28	17.88	18.30	18.91	20.26
	4H	14.88	15.42	15.91	16.45	17.82	17.81	18.35	18.84	19.38	20.75
	6H	15.00	15.47	16.04	16.52	17.89	18.17	18.64	19.21	19.69	21.06
	8H	15.01	15.44	16.05	16.49	17.87	18.28	18.71	19.32	19.76	21.14
	12H	14.97	15.37	16.03	16.42	17.82	18.33	18.73	19.39	19.78	21.17
8H	4H	15.33	15.77	16.37	16.81	18.19	17.93	18.37	18.97	19.41	20.80
	6H	15.59	15.95	16.65	17.03	18.42	18.37	18.73	19.43	19.81	21.19
	8H	15.63	15.95	16.70	17.02	18.42	18.52	18.83	19.59	19.90	21.30
	12H	15.62	15.89	16.69	16.96	18.40	18.61	18.89	19.69	19.96	21.40
12H	4H	15.34	15.73	16.39	16.79	18.18	17.90	18.29	18.95	19.35	20.74
	6H	15.65	15.97	16.72	17.04	18.44	18.36	18.68	19.43	19.75	21.15
	8H	15.72	16.00	16.79	17.06	18.50	18.52	18.80	19.60	19.87	21.31