

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: P934851

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

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934851
REPORT IS A COMBINATION OF REPORTS P933715 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-075U-100D-930-1D-UNV-STD-W-6
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

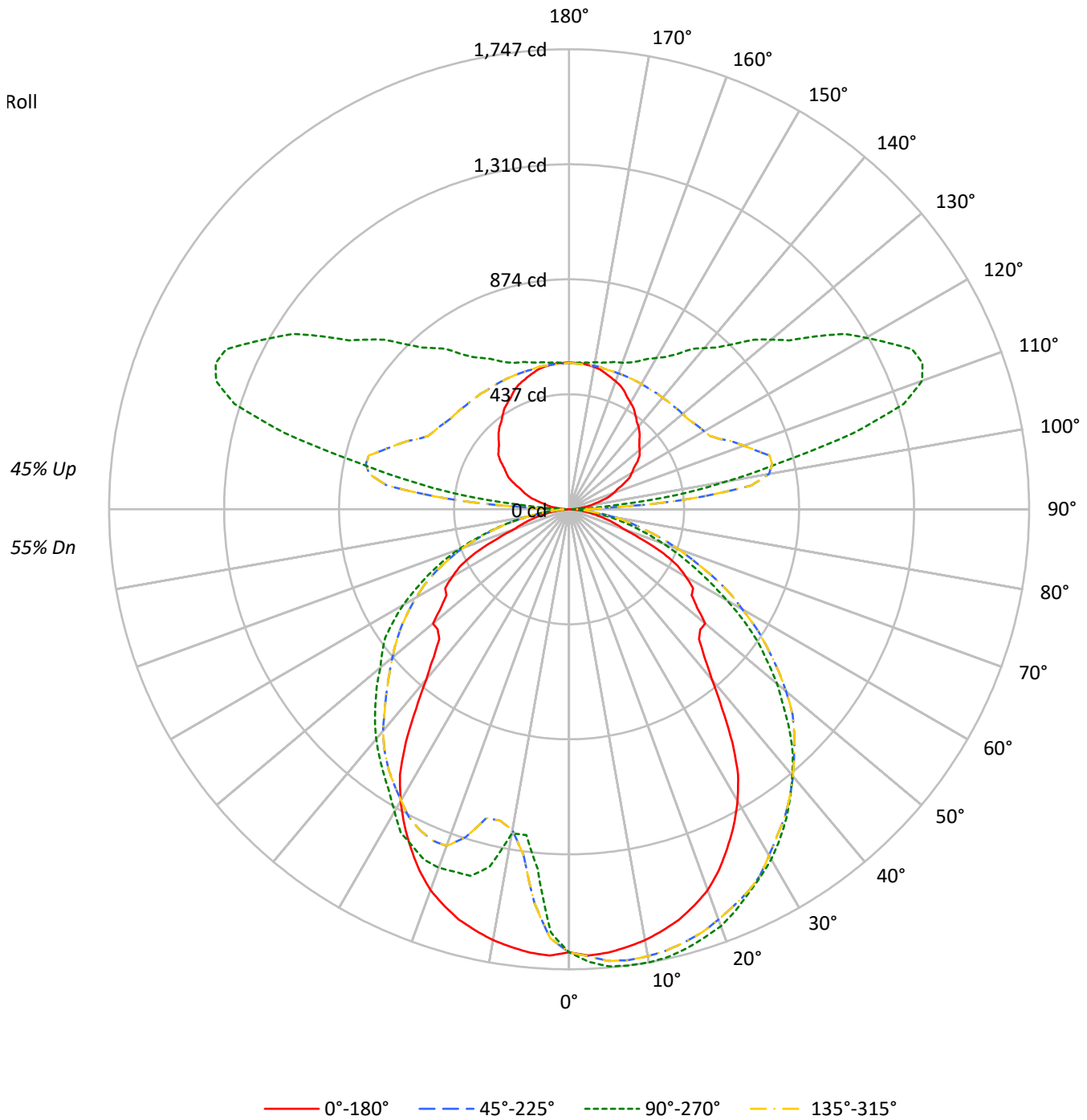
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7969.8 lumens
Efficiency: N/A
Efficacy: 103.8 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 6' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 76.8
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	108	108	108	108	100	100	100	100	86	86	86	73	73	73	60	60	60	55			
1	99	95	91	87	92	88	85	82	76	73	71	64	62	61	54	52	51	46			
2	90	83	76	71	83	77	72	67	66	62	59	56	53	51	47	45	43	39			
3	82	73	65	59	76	68	61	56	58	53	49	50	46	43	42	39	37	33			
4	75	64	56	50	69	60	53	47	52	46	42	44	40	37	37	34	32	28			
5	69	57	49	43	64	54	46	41	46	41	36	40	35	32	34	30	28	24			
6	64	51	43	37	59	48	41	35	42	36	32	36	31	28	30	27	24	21			
7	59	46	38	33	54	43	36	31	38	32	28	33	28	25	28	24	21	19			
8	55	42	34	29	51	39	32	27	35	29	25	30	25	22	25	22	19	17			
9	51	38	31	26	47	36	29	25	32	26	22	27	23	20	24	20	17	15			
10	47	35	28	23	44	33	26	22	29	24	20	25	21	18	22	18	16	14			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	10405	10405	10405	10405
5°	10479	10503	10479	8259
10°	10405	10346	10405	7397
15°	10288	10122	10288	8452
20°	10069	9857	10069	8469
25°	9624	9469	9624	8290
30°	9052	9148	9052	7896
35°	8066	8741	8066	7463
40°	6717	8262	6717	7136
45°	5998	7702	5998	6760
50°	6367	7033	6367	6382
55°	5985	6313	5985	6163
60°	6162	5362	6162	5645
65°	5578	4432	5578	4955
70°	3853	3532	3853	4153
75°	3366	2611	3366	3127
80°	2692	1727	2692	1879
85°	1520	915	1520	777

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 9198 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	151.8	1.9
10°-20°	431.1	5.4
20°-30°	666.4	8.4
30°-40°	795.5	10.0
40°-50°	800.2	10.0
50°-60°	696.3	8.7
60°-70°	493.7	6.2
70°-80°	261.2	3.3
80°-90°	67.2	0.8
90°-100°	271.2	3.4
100°-110°	713.0	8.9
110°-120°	739.3	9.3
120°-130°	593.0	7.4
130°-140°	465.3	5.8
140°-150°	357.1	4.5
150°-160°	257.2	3.2
160°-170°	157.4	2.0
170°-180°	53.2	0.7
0°-30°	1249.3	15.7
0°-40°	2044.8	25.7
0°-60°	3541.2	44.4
0°-90°	4363.2	54.7
90°-120°	1723.4	21.6
90°-150°	3138.8	39.4
90°-180°	3607.0	45.3
0°-180°	7969.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1682	1682	1682	1682	1682	
5°	1690	1742	1690	1370	1690	160
15°	1614	1726	1614	1442	1614	454
25°	1421	1610	1421	1410	1421	652
35°	1080	1437	1080	1227	1080	668
45°	697	1184	697	1039	697	558
55°	568	874	568	853	568	522
65°	395	527	395	589	395	377
75°	150	250	150	299	150	157
85°	26	64	26	54	26	34
90°	4	14	4	14	4	4
95°	36	164	36	164	36	40
105°	128	1116	128	1116	128	136
115°	228	1438	228	1438	228	225
125°	317	1145	317	1145	317	282
135°	378	888	378	888	378	293
145°	439	721	439	721	439	275
155°	496	621	496	621	496	228
165°	535	578	535	578	535	151
175°	556	560	556	560	556	53
180°	556	556	556	556	556	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1682.0	1682.0	1682.0	1682.0	1682.0	1682.0	1682.0	1682.0	1682.0	1682.0	1682.0
2.5°	1696.3	1696.3	1705.9	1709.0	1709.0	1704.3	1699.5	1704.3	1718.6	1723.4	1721.8
5°	1689.9	1702.7	1720.2	1723.4	1726.5	1724.9	1721.8	1724.9	1740.8	1744.0	1745.6
7.5°	1677.2	1701.1	1723.4	1728.1	1732.9	1728.1	1726.5	1729.7	1745.6	1748.9	1748.9
10°	1661.3	1694.7	1720.2	1723.4	1728.1	1723.4	1723.4	1729.7	1745.6	1748.9	1750.4
12.5°	1639.0	1685.2	1709.0	1712.2	1718.6	1717.0	1715.4	1721.8	1737.7	1740.8	1740.8
15°	1613.5	1667.7	1689.9	1693.1	1704.3	1701.1	1701.1	1707.4	1724.9	1729.7	1728.1
17.5°	1578.5	1645.3	1670.9	1675.6	1683.6	1682.0	1683.6	1689.9	1705.9	1709.0	1710.6
20°	1538.8	1615.2	1645.3	1650.2	1658.1	1658.1	1658.1	1666.1	1682.0	1688.4	1688.4
22.5°	1484.7	1583.4	1615.2	1618.4	1627.9	1627.9	1631.1	1642.2	1656.5	1658.1	1658.1
25°	1421.0	1548.3	1575.4	1584.9	1594.4	1599.3	1604.0	1610.4	1615.2	1613.5	1615.2
27.5°	1354.2	1503.8	1538.8	1545.1	1557.9	1562.6	1569.0	1570.6	1572.2	1576.9	1573.8
30°	1279.4	1441.7	1494.2	1500.6	1521.3	1524.4	1518.1	1521.3	1529.2	1532.4	1535.6
32.5°	1195.0	1349.4	1448.0	1462.4	1481.5	1471.9	1470.4	1475.1	1487.9	1487.9	1491.0
35°	1080.5	1277.8	1405.1	1417.9	1432.2	1421.0	1427.4	1428.9	1436.9	1441.7	1440.1
37.5°	954.8	1215.7	1360.5	1370.1	1381.2	1366.9	1376.4	1381.2	1387.6	1384.5	1384.5
40°	843.4	1118.7	1308.0	1314.4	1324.0	1312.8	1322.4	1325.5	1328.7	1325.5	1324.0
42.5°	760.6	1012.0	1252.4	1260.3	1254.0	1261.9	1265.0	1271.5	1266.7	1260.3	1260.3
45°	697.0	983.4	1191.9	1201.4	1191.9	1204.6	1209.4	1209.4	1195.0	1191.9	1190.3
47.5°	676.3	926.1	1131.4	1131.4	1126.6	1142.5	1150.5	1139.4	1125.0	1120.3	1120.3
50°	674.7	862.5	1048.6	1042.3	1064.5	1083.6	1075.7	1064.5	1053.5	1036.0	1036.0
52.5°	612.6	784.5	942.0	965.9	1000.9	1012.0	999.3	988.2	969.1	961.1	954.8
55°	568.1	703.3	845.0	892.7	929.3	943.6	919.8	908.6	880.0	875.2	872.1
57.5°	558.6	585.6	755.9	816.3	860.9	859.3	845.0	824.3	800.4	795.6	794.1
60°	512.4	423.3	660.4	732.0	778.1	773.4	760.6	741.6	719.2	716.1	712.9
62.5°	464.6	307.1	552.1	633.3	698.6	697.0	685.8	657.2	641.3	633.3	627.0
65°	394.7	257.8	393.1	526.7	620.6	623.8	599.9	579.2	561.7	552.1	550.6
67.5°	300.7	210.1	265.7	439.2	545.8	542.7	512.4	502.8	480.6	475.8	466.2
70°	222.8	140.0	184.6	356.5	472.6	464.6	440.8	429.7	409.0	397.8	391.5
72.5°	184.6	113.0	135.2	276.9	397.8	388.3	367.6	354.8	337.3	327.8	321.4
75°	149.6	119.3	103.4	205.2	323.0	316.7	297.6	284.8	270.5	257.8	259.4
77.5°	109.8	111.4	82.7	151.2	256.2	246.7	235.5	219.6	213.2	200.5	200.5
80°	82.7	87.5	62.1	103.4	184.6	184.6	175.1	163.9	152.7	146.4	146.4
82.5°	55.7	55.7	46.2	65.2	125.7	120.9	114.6	111.4	105.0	101.8	101.8
85°	25.5	31.8	28.7	39.7	68.4	71.6	71.6	68.4	66.8	63.7	65.2
87.5°	7.9	14.3	17.5	22.2	35.0	36.6	38.2	38.2	38.2	39.7	39.7
90°	3.7	6.7	9.7	10.4	16.4	24.3	28.3	25.2	19.0	14.2	14.2
92.5°	14.9	40.3	65.7	72.0	101.3	140.3	159.8	140.0	100.5	70.9	68.1
95°	35.8	82.3	128.7	140.4	249.3	394.5	467.1	416.8	316.2	240.8	232.3
97.5°	62.0	102.9	143.9	154.2	335.8	577.9	699.0	667.2	603.7	556.0	539.7
100°	82.1	119.3	156.5	165.8	367.3	636.0	770.3	772.6	777.3	780.8	761.4
102.5°	99.3	134.0	168.7	177.4	381.7	654.2	790.5	830.9	912.0	972.7	956.1
105°	128.5	157.9	187.3	194.6	392.4	656.3	788.2	879.0	1060.5	1196.7	1187.8
107.5°	158.4	185.7	213.1	219.9	394.4	627.1	743.4	870.1	1123.3	1313.2	1315.4
110°	178.5	203.2	227.9	234.1	391.4	601.2	706.1	847.6	1130.8	1343.1	1352.4



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	198.3	221.8	245.4	251.3	391.5	578.6	672.1	817.0	1106.7	1324.0	1338.3
115°	228.1	249.9	271.6	277.0	395.2	552.6	631.4	771.0	1050.1	1259.4	1279.2
117.5°	257.6	277.4	297.1	302.1	402.5	536.4	603.4	729.4	981.3	1170.2	1192.1
120°	274.8	293.4	312.0	316.6	408.5	530.9	592.2	707.3	937.4	1110.1	1131.4
122.5°	291.6	310.4	329.1	333.8	417.1	528.1	583.6	687.2	894.5	1049.9	1071.0
125°	317.3	334.4	351.6	355.8	428.6	525.7	574.3	662.3	838.4	970.4	989.8
127.5°	338.3	355.6	372.8	377.1	440.2	524.4	566.4	642.0	793.2	906.6	923.0
130°	349.5	368.1	386.6	391.3	448.7	525.2	563.5	630.8	765.3	866.3	881.4
132.5°	361.0	379.7	398.2	402.9	455.5	525.7	560.8	621.0	741.6	831.9	845.4
135°	378.2	395.2	412.1	416.4	463.0	525.2	556.3	606.7	707.7	783.3	795.0
137.5°	395.8	412.5	429.3	433.5	474.2	528.5	555.6	598.2	683.5	747.5	757.1
140°	410.3	425.8	441.2	445.1	481.1	529.0	552.9	589.8	663.5	718.8	727.7
142.5°	421.6	435.9	450.2	453.7	486.8	530.9	552.9	585.3	650.0	698.6	706.3
145°	438.8	451.2	463.6	466.7	494.2	530.9	549.3	575.8	628.7	668.3	674.1
147.5°	455.9	468.0	480.1	483.2	505.2	534.6	549.3	570.0	611.7	643.0	647.8
150°	467.1	478.0	489.0	491.8	510.9	536.5	549.3	566.8	602.0	628.4	632.4
152.5°	478.7	487.0	495.3	497.4	514.6	537.7	549.3	564.3	594.3	616.9	619.8
155°	495.9	502.0	508.1	509.7	522.8	540.4	549.3	561.2	585.1	603.1	605.0
157.5°	508.5	514.6	520.5	522.0	531.1	543.2	549.3	558.6	577.1	591.1	592.5
160°	517.1	521.8	526.4	527.6	534.8	544.4	549.3	557.2	573.1	585.1	585.9
162.5°	525.7	529.3	532.7	533.6	538.8	545.8	549.3	556.0	569.4	579.5	580.2
165°	535.0	538.3	541.4	542.2	544.5	547.6	549.3	554.1	563.7	570.9	571.7
167.5°	543.6	545.2	546.6	547.0	549.0	551.7	552.9	556.1	562.4	567.2	567.5
170°	549.3	550.8	552.2	552.6	552.7	552.9	552.9	556.1	562.4	567.2	567.2
172.5°	552.2	552.5	552.9	552.9	552.9	552.9	552.9	555.4	560.4	564.2	563.9
175°	556.3	556.3	556.3	556.3	555.2	553.7	552.9	554.6	557.7	560.1	560.1
177.5°	556.3	556.3	556.3	556.3	555.4	554.3	553.7	555.0	557.5	559.4	559.0
180°	556.3	556.3	556.3	556.3	556.3	556.3	556.3	556.3	556.3	556.3	556.3



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1682.0	1682.0	1682.0	1682.0	1682.0	1682.0	1682.0	1682.0	1682.0	1682.0	1682.0
2.5°	1724.9	1720.2	1724.9	1721.8	1723.4	1718.6	1704.3	1699.5	1704.3	1709.0	1709.0
5°	1745.6	1742.4	1745.6	1745.6	1744.0	1740.8	1724.9	1721.8	1724.9	1726.5	1723.4
7.5°	1752.0	1747.2	1752.0	1748.9	1748.9	1745.6	1729.7	1726.5	1728.1	1732.9	1728.1
10°	1752.0	1747.2	1752.0	1750.4	1748.9	1745.6	1729.7	1723.4	1723.4	1728.1	1723.4
12.5°	1744.0	1740.8	1744.0	1740.8	1740.8	1737.7	1721.8	1715.4	1717.0	1718.6	1712.2
15°	1731.3	1726.5	1731.3	1728.1	1729.7	1724.9	1707.4	1701.1	1701.1	1704.3	1693.1
17.5°	1712.2	1705.9	1712.2	1710.6	1709.0	1705.9	1689.9	1683.6	1682.0	1683.6	1675.6
20°	1689.9	1685.2	1689.9	1688.4	1688.4	1682.0	1666.1	1658.1	1658.1	1658.1	1650.2
22.5°	1654.9	1650.2	1654.9	1658.1	1658.1	1656.5	1642.2	1631.1	1627.9	1627.9	1618.4
25°	1615.2	1610.4	1615.2	1615.2	1613.5	1615.2	1610.4	1604.0	1599.3	1594.4	1584.9
27.5°	1576.9	1573.8	1576.9	1573.8	1576.9	1572.2	1570.6	1569.0	1562.6	1557.9	1545.1
30°	1538.8	1535.6	1538.8	1535.6	1532.4	1529.2	1521.3	1518.1	1524.4	1521.3	1500.6
32.5°	1491.0	1487.9	1491.0	1491.0	1487.9	1487.9	1475.1	1470.4	1471.9	1481.5	1462.4
35°	1441.7	1436.9	1441.7	1440.1	1441.7	1436.9	1428.9	1427.4	1421.0	1432.2	1417.9
37.5°	1384.5	1379.6	1384.5	1384.5	1384.5	1387.6	1381.2	1376.4	1366.9	1381.2	1370.1
40°	1325.5	1319.2	1325.5	1324.0	1325.5	1328.7	1325.5	1322.4	1312.8	1324.0	1314.4
42.5°	1258.7	1257.1	1258.7	1260.3	1260.3	1266.7	1271.5	1265.0	1261.9	1254.0	1260.3
45°	1187.1	1183.9	1187.1	1190.3	1191.9	1195.0	1209.4	1209.4	1204.6	1191.9	1201.4
47.5°	1110.7	1102.8	1110.7	1120.3	1120.3	1125.0	1139.4	1150.5	1142.5	1126.6	1131.4
50°	1029.5	1031.1	1029.5	1036.0	1036.0	1053.5	1064.5	1075.7	1083.6	1064.5	1042.3
52.5°	950.0	948.4	950.0	954.8	961.1	969.1	988.2	999.3	1012.0	1000.9	965.9
55°	870.5	873.6	870.5	872.1	875.2	880.0	908.6	919.8	943.6	929.3	892.7
57.5°	790.9	786.1	790.9	794.1	795.6	800.4	824.3	845.0	859.3	860.9	816.3
60°	698.6	692.2	698.6	712.9	716.1	719.2	741.6	760.6	773.4	778.1	732.0
62.5°	617.4	606.3	617.4	627.0	633.3	641.3	657.2	685.8	697.0	698.6	633.3
65°	531.5	526.7	531.5	550.6	552.1	561.7	579.2	599.9	623.8	620.6	526.7
67.5°	453.5	453.5	453.5	466.2	475.8	480.6	502.8	512.4	542.7	545.8	439.2
70°	381.9	380.3	381.9	391.5	397.8	409.0	429.7	440.8	464.6	472.6	356.5
72.5°	313.5	311.9	313.5	321.4	327.8	337.3	354.8	367.6	388.3	397.8	276.9
75°	253.0	249.8	253.0	259.4	257.8	270.5	284.8	297.6	316.7	323.0	205.2
77.5°	194.2	194.2	194.2	200.5	200.5	213.2	219.6	235.5	246.7	256.2	151.2
80°	144.8	143.3	144.8	146.4	146.4	152.7	163.9	175.1	184.6	184.6	103.4
82.5°	101.8	98.7	101.8	101.8	101.8	105.0	111.4	114.6	120.9	125.7	65.2
85°	63.7	63.7	63.7	65.2	63.7	66.8	68.4	71.6	71.6	68.4	39.7
87.5°	41.4	39.7	41.4	39.7	39.7	38.2	38.2	38.2	36.6	35.0	22.2
90°	14.2	14.2	14.2	14.2	14.2	19.0	25.2	28.3	24.3	16.4	10.4
92.5°	56.8	45.5	56.8	68.1	70.9	100.5	140.0	159.8	140.3	101.3	72.0
95°	198.1	163.9	198.1	232.3	240.8	316.2	416.8	467.1	394.5	249.3	140.4
97.5°	474.7	409.6	474.7	539.7	556.0	603.7	667.2	699.0	577.9	335.8	154.2
100°	683.8	606.3	683.8	761.4	780.8	777.3	772.6	770.3	636.0	367.3	165.8
102.5°	889.7	823.3	889.7	956.1	972.7	912.0	830.9	790.5	654.2	381.7	177.4
105°	1152.1	1116.4	1152.1	1187.8	1196.7	1060.5	879.0	788.2	656.3	392.4	194.6
107.5°	1324.0	1332.6	1324.0	1315.4	1313.2	1123.3	870.1	743.4	627.1	394.4	219.9
110°	1389.5	1426.7	1389.5	1352.4	1343.1	1130.8	847.6	706.1	601.2	391.4	234.1



TEST NUMBER: P934851

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

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	1395.4	1452.5	1395.4	1338.3	1324.0	1106.7	817.0	672.1	578.6	391.5	251.3
115°	1358.4	1437.5	1358.4	1279.2	1259.4	1050.1	771.0	631.4	552.6	395.2	277.0
117.5°	1279.9	1367.7	1279.9	1192.1	1170.2	981.3	729.4	603.4	536.4	402.5	302.1
120°	1216.7	1302.0	1216.7	1131.4	1110.1	937.4	707.3	592.2	530.9	408.5	316.6
122.5°	1155.1	1239.3	1155.1	1071.0	1049.9	894.5	687.2	583.6	528.1	417.1	333.8
125°	1067.3	1144.8	1067.3	989.8	970.4	838.4	662.3	574.3	525.7	428.6	355.8
127.5°	988.3	1053.7	988.3	923.0	906.6	793.2	642.0	566.4	524.4	440.2	377.1
130°	941.8	1002.1	941.8	881.4	866.3	765.3	630.8	563.5	525.2	448.7	391.3
132.5°	899.5	953.6	899.5	845.4	831.9	741.6	621.0	560.8	525.7	455.5	402.9
135°	841.6	888.3	841.6	795.0	783.3	707.7	606.7	556.3	525.2	463.0	416.4
137.5°	795.2	833.4	795.2	757.1	747.5	683.5	598.2	555.6	528.5	474.2	433.5
140°	763.4	799.1	763.4	727.7	718.8	663.5	589.8	552.9	529.0	481.1	445.1
142.5°	737.0	767.7	737.0	706.3	698.6	650.0	585.3	552.9	530.9	486.8	453.7
145°	697.4	720.6	697.4	674.1	668.3	628.7	575.8	549.3	530.9	494.2	466.7
147.5°	667.0	686.2	667.0	647.8	643.0	611.7	570.0	549.3	534.6	505.2	483.2
150°	647.9	663.5	647.9	632.4	628.4	602.0	566.8	549.3	536.5	510.9	491.8
152.5°	631.6	643.4	631.6	619.8	616.9	594.3	564.3	549.3	537.7	514.6	497.4
155°	612.8	620.6	612.8	605.0	603.1	585.1	561.2	549.3	540.4	522.8	509.7
157.5°	597.9	603.4	597.9	592.5	591.1	577.1	558.6	549.3	543.2	531.1	522.0
160°	589.0	592.2	589.0	585.9	585.1	573.1	557.2	549.3	544.4	534.8	527.6
162.5°	583.2	586.2	583.2	580.2	579.5	569.4	556.0	549.3	545.8	538.8	533.6
165°	574.9	578.0	574.9	571.7	570.9	563.7	554.1	549.3	547.6	544.5	542.2
167.5°	568.8	570.1	568.8	567.5	567.2	562.4	556.1	552.9	551.7	549.0	547.0
170°	567.2	567.2	567.2	567.2	567.2	562.4	556.1	552.9	552.9	552.7	552.6
172.5°	562.7	561.5	562.7	563.9	564.2	560.4	555.4	552.9	552.9	552.9	552.9
175°	560.1	560.1	560.1	560.1	560.1	557.7	554.6	552.9	553.7	555.2	556.3
177.5°	557.7	556.3	557.7	559.0	559.4	557.5	555.0	553.7	554.3	555.4	556.3
180°	556.3	556.3	556.3	556.3	556.3	556.3	556.3	556.3	556.3	556.3	556.3



TEST NUMBER: P934851
 CATALOG NUMBER: SQ4-FA-075U-100D-930-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1682.0	1682.0	1682.0	1682.0	1682.0	1682.0	1682.0	1682.0	1682.0	1682.0	1682.0
2.5°	1705.9	1696.3	1696.3	1680.4	1674.0	1669.3	1661.3	1637.4	1631.1	1624.7	1634.3
5°	1720.2	1702.7	1689.9	1661.3	1637.4	1627.9	1597.6	1540.4	1502.2	1473.5	1457.6
7.5°	1723.4	1701.1	1677.2	1632.7	1575.4	1549.9	1457.6	1352.6	1324.0	1298.5	1282.6
10°	1720.2	1694.7	1661.3	1594.4	1459.2	1414.6	1322.4	1254.0	1236.5	1231.6	1236.5
12.5°	1709.0	1685.2	1639.0	1527.6	1338.3	1308.0	1254.0	1214.1	1211.0	1219.0	1261.9
15°	1689.9	1667.7	1613.5	1438.5	1271.5	1249.1	1211.0	1196.6	1214.1	1269.9	1398.7
17.5°	1670.9	1645.3	1578.5	1351.0	1220.5	1204.6	1177.5	1206.2	1304.9	1379.6	1422.6
20°	1645.3	1615.2	1538.8	1287.4	1183.9	1169.6	1156.9	1285.8	1360.5	1387.6	1411.4
22.5°	1615.2	1583.4	1484.7	1242.8	1145.7	1134.6	1142.5	1330.3	1360.5	1379.6	1400.4
25°	1575.4	1548.3	1421.0	1207.8	1115.5	1102.8	1133.0	1325.5	1343.0	1347.8	1389.2
27.5°	1538.8	1503.8	1354.2	1176.0	1078.9	1074.1	1141.0	1304.9	1317.6	1322.4	1366.9
30°	1494.2	1441.7	1279.4	1142.5	1040.7	1039.1	1142.5	1279.4	1276.2	1289.0	1333.5
32.5°	1448.0	1349.4	1195.0	1101.2	1004.1	1002.5	1131.4	1241.2	1238.0	1255.5	1289.0
35°	1405.1	1277.8	1080.5	1053.5	958.0	959.5	1104.4	1196.6	1198.2	1214.1	1234.9
37.5°	1360.5	1215.7	954.8	1000.9	913.4	913.4	1067.7	1155.3	1152.1	1156.9	1185.5
40°	1308.0	1118.7	843.4	932.5	872.1	867.2	1023.2	1110.7	1099.5	1098.0	1137.8
42.5°	1252.4	1012.0	760.6	841.8	824.3	817.9	969.1	1056.6	1036.0	1040.7	1091.6
45°	1191.9	983.4	697.0	711.3	775.0	770.2	910.2	994.5	980.2	993.0	1045.5
47.5°	1131.4	926.1	676.3	590.4	722.5	720.9	845.0	934.0	926.1	938.9	994.5
50°	1048.6	862.5	674.7	506.1	663.6	669.9	767.0	875.2	875.2	886.4	945.2
52.5°	942.0	784.5	612.6	458.3	595.1	614.2	698.6	824.3	827.5	838.6	891.1
55°	845.0	703.3	568.1	421.7	514.0	555.4	631.7	771.8	778.1	789.3	837.0
57.5°	755.9	585.6	558.6	378.7	439.2	479.0	572.9	720.9	724.1	733.6	779.7
60°	660.4	423.3	512.4	332.6	374.0	404.1	518.7	660.4	671.5	677.9	717.6
62.5°	552.1	307.1	464.6	300.7	342.2	348.5	474.2	603.1	617.4	622.2	646.1
65°	393.1	257.8	394.7	273.7	308.7	310.3	426.5	544.2	557.0	564.9	582.4
67.5°	265.7	210.1	300.7	248.2	283.2	284.8	380.3	475.8	493.3	499.6	510.8
70°	184.6	140.0	222.8	221.2	254.6	257.8	331.0	413.7	429.7	434.4	440.8
72.5°	135.2	113.0	184.6	198.9	224.4	227.6	280.1	343.7	359.7	364.4	367.6
75°	103.4	119.3	149.6	173.4	191.0	192.6	229.2	280.1	291.2	294.4	296.0
77.5°	82.7	111.4	109.8	140.0	155.9	152.7	179.8	216.4	226.0	226.0	226.0
80°	62.1	87.5	82.7	100.2	114.6	111.4	128.9	154.3	157.5	160.7	159.2
82.5°	46.2	55.7	55.7	63.7	76.4	73.2	85.9	100.2	100.2	100.2	103.4
85°	28.7	31.8	25.5	33.4	43.0	41.4	47.8	54.1	55.7	55.7	52.5
87.5°	17.5	14.3	7.9	12.8	19.1	19.1	22.2	23.8	22.2	22.2	22.2
90°	9.7	6.7	3.7	6.7	9.7	10.4	16.4	24.3	28.3	25.2	19.0
92.5°	65.7	40.3	14.9	40.3	65.7	72.0	101.3	140.3	159.8	140.0	100.5
95°	128.7	82.3	35.8	82.3	128.7	140.4	249.3	394.5	467.1	416.8	316.2
97.5°	143.9	102.9	62.0	102.9	143.9	154.2	335.8	577.9	699.0	667.2	603.7
100°	156.5	119.3	82.1	119.3	156.5	165.8	367.3	636.0	770.3	772.6	777.3
102.5°	168.7	134.0	99.3	134.0	168.7	177.4	381.7	654.2	790.5	830.9	912.0
105°	187.3	157.9	128.5	157.9	187.3	194.6	392.4	656.3	788.2	879.0	1060.5
107.5°	213.1	185.7	158.4	185.7	213.1	219.9	394.4	627.1	743.4	870.1	1123.3
110°	227.9	203.2	178.5	203.2	227.9	234.1	391.4	601.2	706.1	847.6	1130.8



TEST NUMBER: P934851

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

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	245.4	221.8	198.3	221.8	245.4	251.3	391.5	578.6	672.1	817.0	1106.7
115°	271.6	249.9	228.1	249.9	271.6	277.0	395.2	552.6	631.4	771.0	1050.1
117.5°	297.1	277.4	257.6	277.4	297.1	302.1	402.5	536.4	603.4	729.4	981.3
120°	312.0	293.4	274.8	293.4	312.0	316.6	408.5	530.9	592.2	707.3	937.4
122.5°	329.1	310.4	291.6	310.4	329.1	333.8	417.1	528.1	583.6	687.2	894.5
125°	351.6	334.4	317.3	334.4	351.6	355.8	428.6	525.7	574.3	662.3	838.4
127.5°	372.8	355.6	338.3	355.6	372.8	377.1	440.2	524.4	566.4	642.0	793.2
130°	386.6	368.1	349.5	368.1	386.6	391.3	448.7	525.2	563.5	630.8	765.3
132.5°	398.2	379.7	361.0	379.7	398.2	402.9	455.5	525.7	560.8	621.0	741.6
135°	412.1	395.2	378.2	395.2	412.1	416.4	463.0	525.2	556.3	606.7	707.7
137.5°	429.3	412.5	395.8	412.5	429.3	433.5	474.2	528.5	555.6	598.2	683.5
140°	441.2	425.8	410.3	425.8	441.2	445.1	481.1	529.0	552.9	589.8	663.5
142.5°	450.2	435.9	421.6	435.9	450.2	453.7	486.8	530.9	552.9	585.3	650.0
145°	463.6	451.2	438.8	451.2	463.6	466.7	494.2	530.9	549.3	575.8	628.7
147.5°	480.1	468.0	455.9	468.0	480.1	483.2	505.2	534.6	549.3	570.0	611.7
150°	489.0	478.0	467.1	478.0	489.0	491.8	510.9	536.5	549.3	566.8	602.0
152.5°	495.3	487.0	478.7	487.0	495.3	497.4	514.6	537.7	549.3	564.3	594.3
155°	508.1	502.0	495.9	502.0	508.1	509.7	522.8	540.4	549.3	561.2	585.1
157.5°	520.5	514.6	508.5	514.6	520.5	522.0	531.1	543.2	549.3	558.6	577.1
160°	526.4	521.8	517.1	521.8	526.4	527.6	534.8	544.4	549.3	557.2	573.1
162.5°	532.7	529.3	525.7	529.3	532.7	533.6	538.8	545.8	549.3	556.0	569.4
165°	541.4	538.3	535.0	538.3	541.4	542.2	544.5	547.6	549.3	554.1	563.7
167.5°	546.6	545.2	543.6	545.2	546.6	547.0	549.0	551.7	552.9	556.1	562.4
170°	552.2	550.8	549.3	550.8	552.2	552.6	552.7	552.9	552.9	556.1	562.4
172.5°	552.9	552.5	552.2	552.5	552.9	552.9	552.9	552.9	552.9	555.4	560.4
175°	556.3	556.3	556.3	556.3	556.3	556.3	555.2	553.7	552.9	554.6	557.7
177.5°	556.3	556.3	556.3	556.3	556.3	556.3	555.4	554.3	553.7	555.0	557.5
180°	556.3	556.3	556.3	556.3	556.3	556.3	556.3	556.3	556.3	556.3	556.3



TEST NUMBER: P934851
 CATALOG NUMBER: SQ4-FA-075U-100D-930-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1682.0	1682.0	1682.0	1682.0	1682.0	1682.0	1682.0	1682.0	1682.0	1682.0	1682.0
2.5°	1623.1	1618.4	1624.7	1607.2	1624.7	1618.4	1623.1	1634.3	1624.7	1631.1	1637.4
5°	1424.2	1416.3	1390.8	1370.1	1390.8	1416.3	1424.2	1457.6	1473.5	1502.2	1540.4
7.5°	1273.0	1266.7	1260.3	1247.5	1260.3	1266.7	1273.0	1282.6	1298.5	1324.0	1352.6
10°	1239.6	1241.2	1250.8	1249.1	1250.8	1241.2	1239.6	1236.5	1231.6	1236.5	1254.0
12.5°	1325.5	1339.9	1392.4	1389.2	1392.4	1339.9	1325.5	1261.9	1219.0	1211.0	1214.1
15°	1424.2	1428.9	1440.1	1441.7	1440.1	1428.9	1424.2	1398.7	1269.9	1214.1	1196.6
17.5°	1433.8	1435.4	1443.3	1443.3	1443.3	1435.4	1433.8	1422.6	1379.6	1304.9	1206.2
20°	1425.8	1428.9	1444.9	1448.0	1444.9	1428.9	1425.8	1411.4	1387.6	1360.5	1285.8
22.5°	1422.6	1428.9	1441.7	1440.1	1441.7	1428.9	1422.6	1400.4	1379.6	1360.5	1330.3
25°	1406.7	1406.7	1408.3	1409.9	1408.3	1406.7	1406.7	1389.2	1347.8	1343.0	1325.5
27.5°	1373.3	1376.4	1386.0	1384.5	1386.0	1376.4	1373.3	1366.9	1322.4	1317.6	1304.9
30°	1343.0	1339.9	1331.9	1325.5	1331.9	1339.9	1343.0	1333.5	1289.0	1276.2	1279.4
32.5°	1292.1	1284.2	1276.2	1271.5	1276.2	1284.2	1292.1	1289.0	1255.5	1238.0	1241.2
35°	1231.6	1233.2	1231.6	1226.9	1231.6	1233.2	1231.6	1234.9	1214.1	1198.2	1196.6
37.5°	1188.7	1191.9	1190.3	1183.9	1190.3	1191.9	1188.7	1185.5	1156.9	1152.1	1155.3
40°	1144.1	1145.7	1144.1	1139.4	1144.1	1145.7	1144.1	1137.8	1098.0	1099.5	1110.7
42.5°	1101.2	1099.5	1094.8	1091.6	1094.8	1099.5	1101.2	1091.6	1040.7	1036.0	1056.6
45°	1051.8	1053.5	1043.9	1039.1	1043.9	1053.5	1051.8	1045.5	993.0	980.2	994.5
47.5°	1002.5	1002.5	994.5	989.8	994.5	1002.5	1002.5	994.5	938.9	926.1	934.0
50°	950.0	948.4	937.3	935.7	937.3	948.4	950.0	945.2	886.4	875.2	875.2
52.5°	889.6	889.6	891.1	894.3	891.1	889.6	889.6	891.1	838.6	827.5	824.3
55°	837.0	838.6	849.7	852.9	849.7	838.6	837.0	837.0	789.3	778.1	771.8
57.5°	782.9	782.9	790.9	790.9	790.9	782.9	782.9	779.7	733.6	724.1	720.9
60°	720.9	724.1	730.4	728.8	730.4	724.1	720.9	717.6	677.9	671.5	660.4
62.5°	655.6	658.8	660.4	657.2	660.4	658.8	655.6	646.1	622.2	617.4	603.1
65°	587.2	590.4	592.0	588.8	592.0	590.4	587.2	582.4	564.9	557.0	544.2
67.5°	517.1	515.6	514.0	520.3	514.0	515.6	517.1	510.8	499.6	493.3	475.8
70°	445.6	445.6	444.0	447.1	444.0	445.6	445.6	440.8	434.4	429.7	413.7
72.5°	369.1	367.6	374.0	369.1	374.0	367.6	369.1	367.6	364.4	359.7	343.7
75°	294.4	297.6	294.4	299.2	294.4	297.6	294.4	296.0	294.4	291.2	280.1
77.5°	224.4	227.6	224.4	224.4	224.4	227.6	224.4	226.0	226.0	226.0	216.4
80°	159.2	157.5	157.5	155.9	157.5	157.5	159.2	159.2	160.7	157.5	154.3
82.5°	101.8	100.2	100.2	103.4	100.2	100.2	101.8	103.4	100.2	100.2	100.2
85°	55.7	57.3	54.1	54.1	54.1	57.3	55.7	52.5	55.7	55.7	54.1
87.5°	20.7	19.1	19.1	19.1	19.1	19.1	20.7	22.2	22.2	22.2	23.8
90°	14.2	14.2	14.2	14.2	14.2	14.2	14.2	19.0	25.2	28.3	24.3
92.5°	70.9	68.1	56.8	45.5	56.8	68.1	70.9	100.5	140.0	159.8	140.3
95°	240.8	232.3	198.1	163.9	198.1	232.3	240.8	316.2	416.8	467.1	394.5
97.5°	556.0	539.7	474.7	409.6	474.7	539.7	556.0	603.7	667.2	699.0	577.9
100°	780.8	761.4	683.8	606.3	683.8	761.4	780.8	777.3	772.6	770.3	636.0
102.5°	972.7	956.1	889.7	823.3	889.7	956.1	972.7	912.0	830.9	790.5	654.2
105°	1196.7	1187.8	1152.1	1116.4	1152.1	1187.8	1196.7	1060.5	879.0	788.2	656.3
107.5°	1313.2	1315.4	1324.0	1332.6	1324.0	1315.4	1313.2	1123.3	870.1	743.4	627.1
110°	1343.1	1352.4	1389.5	1426.7	1389.5	1352.4	1343.1	1130.8	847.6	706.1	601.2



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1324.0	1338.3	1395.4	1452.5	1395.4	1338.3	1324.0	1106.7	817.0	672.1	578.6
115°	1259.4	1279.2	1358.4	1437.5	1358.4	1279.2	1259.4	1050.1	771.0	631.4	552.6
117.5°	1170.2	1192.1	1279.9	1367.7	1279.9	1192.1	1170.2	981.3	729.4	603.4	536.4
120°	1110.1	1131.4	1216.7	1302.0	1216.7	1131.4	1110.1	937.4	707.3	592.2	530.9
122.5°	1049.9	1071.0	1155.1	1239.3	1155.1	1071.0	1049.9	894.5	687.2	583.6	528.1
125°	970.4	989.8	1067.3	1144.8	1067.3	989.8	970.4	838.4	662.3	574.3	525.7
127.5°	906.6	923.0	988.3	1053.7	988.3	923.0	906.6	793.2	642.0	566.4	524.4
130°	866.3	881.4	941.8	1002.1	941.8	881.4	866.3	765.3	630.8	563.5	525.2
132.5°	831.9	845.4	899.5	953.6	899.5	845.4	831.9	741.6	621.0	560.8	525.7
135°	783.3	795.0	841.6	888.3	841.6	795.0	783.3	707.7	606.7	556.3	525.2
137.5°	747.5	757.1	795.2	833.4	795.2	757.1	747.5	683.5	598.2	555.6	528.5
140°	718.8	727.7	763.4	799.1	763.4	727.7	718.8	663.5	589.8	552.9	529.0
142.5°	698.6	706.3	737.0	767.7	737.0	706.3	698.6	650.0	585.3	552.9	530.9
145°	668.3	674.1	697.4	720.6	697.4	674.1	668.3	628.7	575.8	549.3	530.9
147.5°	643.0	647.8	667.0	686.2	667.0	647.8	643.0	611.7	570.0	549.3	534.6
150°	628.4	632.4	647.9	663.5	647.9	632.4	628.4	602.0	566.8	549.3	536.5
152.5°	616.9	619.8	631.6	643.4	631.6	619.8	616.9	594.3	564.3	549.3	537.7
155°	603.1	605.0	612.8	620.6	612.8	605.0	603.1	585.1	561.2	549.3	540.4
157.5°	591.1	592.5	597.9	603.4	597.9	592.5	591.1	577.1	558.6	549.3	543.2
160°	585.1	585.9	589.0	592.2	589.0	585.9	585.1	573.1	557.2	549.3	544.4
162.5°	579.5	580.2	583.2	586.2	583.2	580.2	579.5	569.4	556.0	549.3	545.8
165°	570.9	571.7	574.9	578.0	574.9	571.7	570.9	563.7	554.1	549.3	547.6
167.5°	567.2	567.5	568.8	570.1	568.8	567.5	567.2	562.4	556.1	552.9	551.7
170°	567.2	567.2	567.2	567.2	567.2	567.2	567.2	562.4	556.1	552.9	552.9
172.5°	564.2	563.9	562.7	561.5	562.7	563.9	564.2	560.4	555.4	552.9	552.9
175°	560.1	560.1	560.1	560.1	560.1	560.1	560.1	557.7	554.6	552.9	553.7
177.5°	559.4	559.0	557.7	556.3	557.7	559.0	559.4	557.5	555.0	553.7	554.3
180°	556.3	556.3	556.3	556.3	556.3	556.3	556.3	556.3	556.3	556.3	556.3



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1682.0	1682.0	1682.0	1682.0	1682.0
2.5°	1661.3	1669.3	1674.0	1680.4	1696.3
5°	1597.6	1627.9	1637.4	1661.3	1689.9
7.5°	1457.6	1549.9	1575.4	1632.7	1677.2
10°	1322.4	1414.6	1459.2	1594.4	1661.3
12.5°	1254.0	1308.0	1338.3	1527.6	1639.0
15°	1211.0	1249.1	1271.5	1438.5	1613.5
17.5°	1177.5	1204.6	1220.5	1351.0	1578.5
20°	1156.9	1169.6	1183.9	1287.4	1538.8
22.5°	1142.5	1134.6	1145.7	1242.8	1484.7
25°	1133.0	1102.8	1115.5	1207.8	1421.0
27.5°	1141.0	1074.1	1078.9	1176.0	1354.2
30°	1142.5	1039.1	1040.7	1142.5	1279.4
32.5°	1131.4	1002.5	1004.1	1101.2	1195.0
35°	1104.4	959.5	958.0	1053.5	1080.5
37.5°	1067.7	913.4	913.4	1000.9	954.8
40°	1023.2	867.2	872.1	932.5	843.4
42.5°	969.1	817.9	824.3	841.8	760.6
45°	910.2	770.2	775.0	711.3	697.0
47.5°	845.0	720.9	722.5	590.4	676.3
50°	767.0	669.9	663.6	506.1	674.7
52.5°	698.6	614.2	595.1	458.3	612.6
55°	631.7	555.4	514.0	421.7	568.1
57.5°	572.9	479.0	439.2	378.7	558.6
60°	518.7	404.1	374.0	332.6	512.4
62.5°	474.2	348.5	342.2	300.7	464.6
65°	426.5	310.3	308.7	273.7	394.7
67.5°	380.3	284.8	283.2	248.2	300.7
70°	331.0	257.8	254.6	221.2	222.8
72.5°	280.1	227.6	224.4	198.9	184.6
75°	229.2	192.6	191.0	173.4	149.6
77.5°	179.8	152.7	155.9	140.0	109.8
80°	128.9	111.4	114.6	100.2	82.7
82.5°	85.9	73.2	76.4	63.7	55.7
85°	47.8	41.4	43.0	33.4	25.5
87.5°	22.2	19.1	19.1	12.8	7.9
90°	16.4	10.4	9.7	6.7	3.7
92.5°	101.3	72.0	65.7	40.3	14.9
95°	249.3	140.4	128.7	82.3	35.8
97.5°	335.8	154.2	143.9	102.9	62.0
100°	367.3	165.8	156.5	119.3	82.1
102.5°	381.7	177.4	168.7	134.0	99.3
105°	392.4	194.6	187.3	157.9	128.5
107.5°	394.4	219.9	213.1	185.7	158.4
110°	391.4	234.1	227.9	203.2	178.5



TEST NUMBER: P934851

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

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	391.5	251.3	245.4	221.8	198.3
115°	395.2	277.0	271.6	249.9	228.1
117.5°	402.5	302.1	297.1	277.4	257.6
120°	408.5	316.6	312.0	293.4	274.8
122.5°	417.1	333.8	329.1	310.4	291.6
125°	428.6	355.8	351.6	334.4	317.3
127.5°	440.2	377.1	372.8	355.6	338.3
130°	448.7	391.3	386.6	368.1	349.5
132.5°	455.5	402.9	398.2	379.7	361.0
135°	463.0	416.4	412.1	395.2	378.2
137.5°	474.2	433.5	429.3	412.5	395.8
140°	481.1	445.1	441.2	425.8	410.3
142.5°	486.8	453.7	450.2	435.9	421.6
145°	494.2	466.7	463.6	451.2	438.8
147.5°	505.2	483.2	480.1	468.0	455.9
150°	510.9	491.8	489.0	478.0	467.1
152.5°	514.6	497.4	495.3	487.0	478.7
155°	522.8	509.7	508.1	502.0	495.9
157.5°	531.1	522.0	520.5	514.6	508.5
160°	534.8	527.6	526.4	521.8	517.1
162.5°	538.8	533.6	532.7	529.3	525.7
165°	544.5	542.2	541.4	538.3	535.0
167.5°	549.0	547.0	546.6	545.2	543.6
170°	552.7	552.6	552.2	550.8	549.3
172.5°	552.9	552.9	552.9	552.5	552.2
175°	555.2	556.3	556.3	556.3	556.3
177.5°	555.4	556.3	556.3	556.3	556.3
180°	556.3	556.3	556.3	556.3	556.3



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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	13.37	14.27	14.28	15.21	16.41	16.19	17.10	17.11	18.03	19.23
	3H	13.85	14.66	14.78	15.60	16.83	17.54	18.35	18.47	19.30	20.52
	4H	14.04	14.81	14.98	15.76	16.99	17.98	18.75	18.93	19.70	20.94
	6H	14.16	14.87	15.12	15.82	17.07	18.27	18.98	19.22	19.93	21.18
	8H	14.17	14.84	15.13	15.81	17.06	18.35	19.02	19.31	19.99	21.24
	12H	14.14	14.78	15.10	15.74	17.02	18.39	19.03	19.35	19.99	21.26
4H	2H	14.41	15.17	15.35	16.12	17.36	16.61	17.38	17.56	18.32	19.56
	3H	15.44	16.08	16.39	17.05	18.30	18.12	18.76	19.07	19.73	20.98
	4H	15.71	16.30	16.68	17.27	18.54	18.64	19.23	19.61	20.20	21.47
	6H	15.84	16.35	16.82	17.34	18.61	19.01	19.51	19.99	20.51	21.78
	8H	15.85	16.32	16.83	17.31	18.60	19.12	19.59	20.10	20.58	21.86
	12H	15.82	16.24	16.82	17.25	18.54	19.18	19.60	20.18	20.61	21.90
8H	4H	16.17	16.64	17.15	17.63	18.92	18.77	19.24	19.75	20.23	21.52
	6H	16.43	16.82	17.44	17.85	19.14	19.21	19.60	20.22	20.63	21.91
	8H	16.48	16.82	17.49	17.84	19.14	19.36	19.70	20.38	20.72	22.03
	12H	16.46	16.76	17.48	17.78	19.13	19.46	19.76	20.48	20.78	22.12
12H	4H	16.18	16.60	17.18	17.61	18.90	18.74	19.16	19.74	20.17	21.46
	6H	16.49	16.84	17.51	17.86	19.16	19.21	19.55	20.22	20.57	21.87
	8H	16.56	16.87	17.58	17.88	19.23	19.37	19.67	20.39	20.68	22.03