

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: P934023

Luminaire Tested: SQ4-FA-025U-100D-927-1D-UNV-STD-W-6

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934023
REPORT IS A COMBINATION OF REPORTS P933683 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-025U-100D-927-1D-UNV-STD-W-6
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

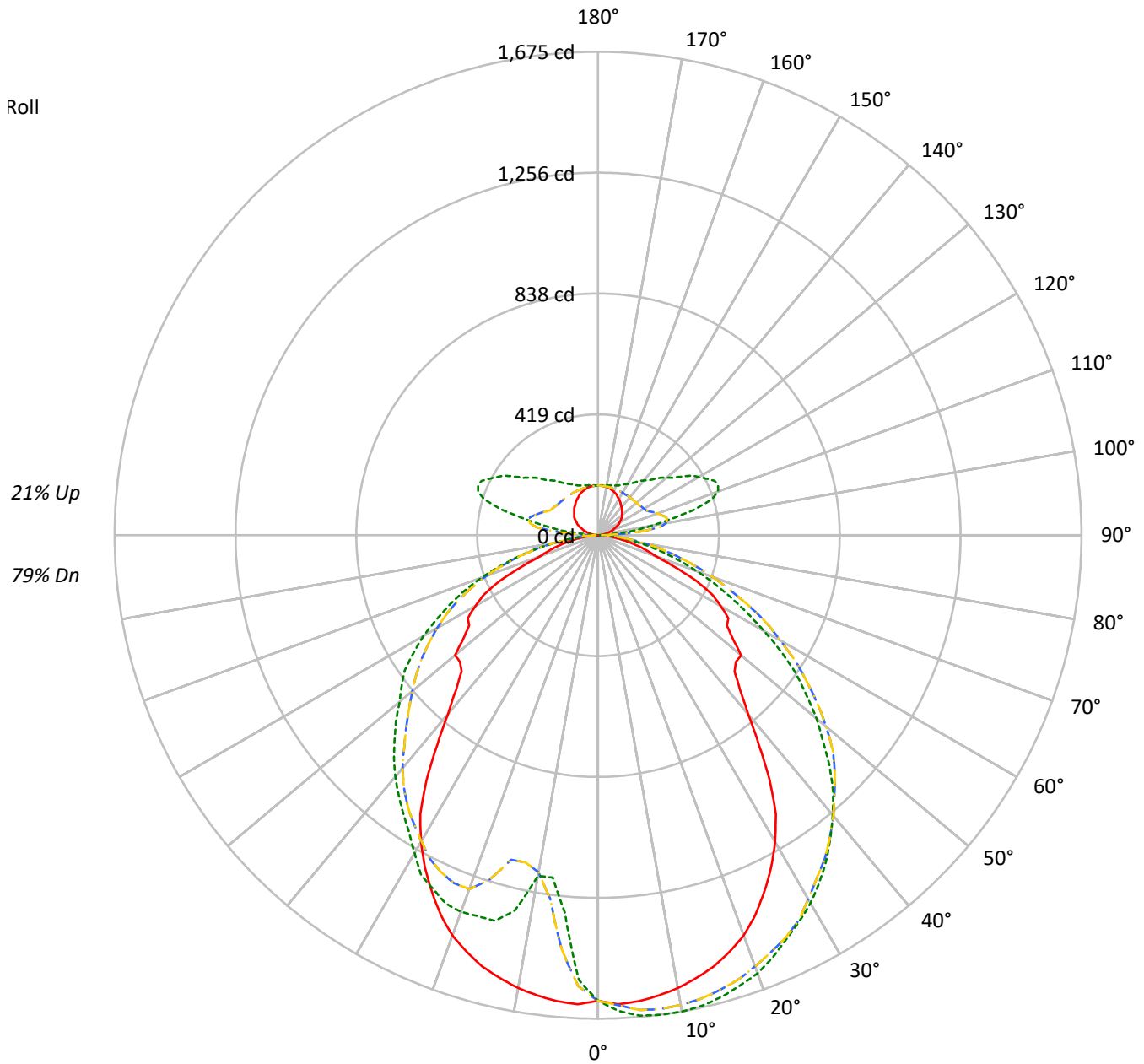
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5299.9 lumens
Efficiency: N/A
Efficacy: 91.1 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: Semi-Direct

Input Watts (W): 58.2
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	114	114	114	114	109	109	109	109	99	99	99	91	91	91	83	83	83	79				79
1	104	100	96	92	100	96	92	89	88	85	82	80	78	76	73	72	70	67				67
2	95	87	81	76	91	84	78	73	77	72	68	70	67	64	65	62	59	56				56
3	87	77	69	63	83	74	67	61	68	62	57	62	58	54	57	54	50	47				47
4	79	68	60	53	76	65	58	52	60	54	49	56	50	46	51	47	43	41				41
5	73	61	52	46	70	58	51	45	54	47	42	50	44	40	46	41	38	35				35
6	67	55	46	40	64	53	45	39	49	42	37	45	39	35	42	37	33	31				31
7	62	50	41	35	59	48	40	34	44	38	33	41	35	31	38	33	30	27				27
8	58	45	37	31	55	44	36	31	40	34	29	38	32	28	35	30	26	24				24
9	54	41	33	28	52	40	33	27	37	31	26	35	29	25	32	27	24	22				22
10	51	38	30	25	48	37	30	25	34	28	24	32	27	23	30	25	22	20				20

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	2.7
10°-20°	413.4	7.8
20°-30°	639.0	12.1
30°-40°	762.8	14.4
40°-50°	767.3	14.5
50°-60°	667.6	12.6
60°-70°	473.4	8.9
70°-80°	250.4	4.7
80°-90°	63.0	1.2
90°-100°	84.0	1.6
100°-110°	220.9	4.2
110°-120°	229.0	4.3
120°-130°	183.7	3.5
130°-140°	144.2	2.7
140°-150°	110.6	2.1
150°-160°	79.7	1.5
160°-170°	48.8	0.9
170°-180°	16.5	0.3
0°-30°	1198.0	22.6
0°-40°	1960.8	37.0
0°-60°	3395.7	64.1
0°-90°	4182.5	78.9
90°-120°	534.0	10.1
90°-150°	972.5	18.3
90°-180°	1117.0	21.1
0°-180°	5299.9	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°	1	4	1	4	1	2
95°	11	51	11	51	11	12
105°	40	346	40	346	40	42
115°	71	445	71	445	71	70
125°	98	355	98	355	98	87
135°	117	275	117	275	117	91
145°	136	223	136	223	136	85
155°	154	192	154	192	154	71
165°	166	179	166	179	166	47
175°	172	174	172	174	172	16
180°	172	172	172	172	172	



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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°	1.2	2.1	3.0	3.2	5.1	7.5	8.8	7.8	5.9	4.4	4.4
92.5°	4.6	12.5	20.3	22.3	31.4	43.5	49.5	43.4	31.1	21.9	21.1
95°	11.1	25.5	39.9	43.5	77.2	122.2	144.7	129.1	97.9	74.6	72.0
97.5°	19.2	31.9	44.6	47.7	104.0	179.0	216.5	206.7	187.0	172.2	167.2
100°	25.5	37.0	48.5	51.4	113.8	197.0	238.6	239.3	240.8	241.9	235.9
102.5°	30.8	41.6	52.3	55.0	118.3	202.7	244.9	257.4	282.5	301.4	296.2
105°	39.8	48.9	58.0	60.3	121.6	203.3	244.2	272.3	328.6	370.8	368.0
107.5°	49.0	57.5	66.0	68.1	122.2	194.3	230.3	269.6	348.0	406.9	407.6
110°	55.3	63.0	70.6	72.5	121.3	186.3	218.8	262.6	350.4	416.1	419.0



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	61.4	68.8	76.0	77.8	121.3	179.3	208.2	253.1	342.9	410.2	414.6
115°	70.7	77.5	84.2	85.9	122.4	171.2	195.6	238.9	325.3	390.2	396.3
117.5°	79.8	85.9	92.0	93.6	124.7	166.2	187.0	226.0	304.0	362.5	369.3
120°	85.2	90.9	96.6	98.1	126.6	164.5	183.5	219.1	290.4	344.0	350.6
122.5°	90.3	96.2	101.9	103.4	129.2	163.6	180.8	212.9	277.1	325.3	331.9
125°	98.3	103.6	109.0	110.3	132.8	162.9	177.9	205.2	259.8	300.7	306.7
127.5°	104.8	110.1	115.5	116.8	136.4	162.5	175.5	198.9	245.8	280.9	286.0
130°	108.3	114.0	119.7	121.2	139.0	162.7	174.6	195.4	237.1	268.3	273.0
132.5°	111.9	117.7	123.4	124.8	141.1	162.9	173.8	192.4	229.8	257.7	261.9
135°	117.2	122.4	127.7	129.0	143.5	162.8	172.4	188.0	219.3	242.7	246.3
137.5°	122.7	127.8	133.0	134.3	146.9	163.8	172.2	185.4	211.8	231.6	234.5
140°	127.1	131.9	136.7	137.9	149.1	163.9	171.3	182.7	205.6	222.7	225.5
142.5°	130.6	135.0	139.4	140.5	150.8	164.5	171.3	181.3	201.4	216.4	218.8
145°	135.9	139.8	143.6	144.6	153.2	164.5	170.2	178.3	194.7	207.1	208.8
147.5°	141.2	145.0	148.8	149.7	156.5	165.6	170.2	176.6	189.5	199.2	200.7
150°	144.7	148.1	151.5	152.4	158.3	166.2	170.2	175.6	186.5	194.7	195.9
152.5°	148.3	150.8	153.5	154.1	159.5	166.6	170.2	174.8	184.1	191.1	192.0
155°	153.6	155.5	157.5	157.9	162.0	167.5	170.2	173.9	181.3	186.8	187.4
157.5°	157.5	159.4	161.2	161.7	164.5	168.3	170.2	173.0	178.8	183.1	183.6
160°	160.2	161.7	163.1	163.5	165.7	168.7	170.2	172.6	177.6	181.3	181.5
162.5°	162.9	163.9	165.0	165.3	166.9	169.1	170.2	172.2	176.4	179.6	179.8
165°	165.8	166.7	167.7	167.9	168.7	169.7	170.2	171.6	174.6	176.9	177.1
167.5°	168.4	168.9	169.3	169.5	170.1	170.9	171.3	172.3	174.3	175.7	175.8
170°	170.2	170.6	171.1	171.2	171.2	171.3	171.3	172.3	174.3	175.7	175.7
172.5°	171.1	171.2	171.3	171.3	171.3	171.3	171.3	172.1	173.6	174.8	174.7
175°	172.4	172.4	172.4	172.4	172.0	171.6	171.3	171.8	172.8	173.6	173.6
177.5°	172.4	172.4	172.4	172.4	172.1	171.7	171.6	171.9	172.7	173.3	173.2
180°	172.4	172.4	172.4	172.4	172.4	172.4	172.4	172.4	172.4	172.4	172.4



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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°	4.4	4.4	4.4	4.4	4.4	5.9	7.8	8.8	7.5	5.1	3.2
92.5°	17.6	14.1	17.6	21.1	21.9	31.1	43.4	49.5	43.5	31.4	22.3
95°	61.4	50.8	61.4	72.0	74.6	97.9	129.1	144.7	122.2	77.2	43.5
97.5°	147.1	126.9	147.1	167.2	172.2	187.0	206.7	216.5	179.0	104.0	47.7
100°	211.9	187.9	211.9	235.9	241.9	240.8	239.3	238.6	197.0	113.8	51.4
102.5°	275.7	255.1	275.7	296.2	301.4	282.5	257.4	244.9	202.7	118.3	55.0
105°	357.0	345.9	357.0	368.0	370.8	328.6	272.3	244.2	203.3	121.6	60.3
107.5°	410.2	412.9	410.2	407.6	406.9	348.0	269.6	230.3	194.3	122.2	68.1
110°	430.5	442.1	430.5	419.0	416.1	350.4	262.6	218.8	186.3	121.3	72.5



TEST NUMBER: P934023

CATALOG NUMBER: SQ4-FA-025U-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°	432.3	450.0	432.3	414.6	410.2	342.9	253.1	208.2	179.3	121.3	77.8
115°	420.8	445.4	420.8	396.3	390.2	325.3	238.9	195.6	171.2	122.4	85.9
117.5°	396.6	423.7	396.6	369.3	362.5	304.0	226.0	187.0	166.2	124.7	93.6
120°	377.0	403.4	377.0	350.6	344.0	290.4	219.1	183.5	164.5	126.6	98.1
122.5°	357.9	383.9	357.9	331.9	325.3	277.1	212.9	180.8	163.6	129.2	103.4
125°	330.6	354.7	330.6	306.7	300.7	259.8	205.2	177.9	162.9	132.8	110.3
127.5°	306.2	326.5	306.2	286.0	280.9	245.8	198.9	175.5	162.5	136.4	116.8
130°	291.8	310.5	291.8	273.0	268.3	237.1	195.4	174.6	162.7	139.0	121.2
132.5°	278.7	295.4	278.7	261.9	257.7	229.8	192.4	173.8	162.9	141.1	124.8
135°	260.7	275.2	260.7	246.3	242.7	219.3	188.0	172.4	162.8	143.5	129.0
137.5°	246.4	258.2	246.4	234.5	231.6	211.8	185.4	172.2	163.8	146.9	134.3
140°	236.5	247.6	236.5	225.5	222.7	205.6	182.7	171.3	163.9	149.1	137.9
142.5°	228.3	237.9	228.3	218.8	216.4	201.4	181.3	171.3	164.5	150.8	140.5
145°	216.1	223.3	216.1	208.8	207.1	194.7	178.3	170.2	164.5	153.2	144.6
147.5°	206.7	212.6	206.7	200.7	199.2	189.5	176.6	170.2	165.6	156.5	149.7
150°	200.7	205.6	200.7	195.9	194.7	186.5	175.6	170.2	166.2	158.3	152.4
152.5°	195.7	199.4	195.7	192.0	191.1	184.1	174.8	170.2	166.6	159.5	154.1
155°	189.8	192.3	189.8	187.4	186.8	181.3	173.9	170.2	167.5	162.0	157.9
157.5°	185.3	187.0	185.3	183.6	183.1	178.8	173.0	170.2	168.3	164.5	161.7
160°	182.5	183.5	182.5	181.5	181.3	177.6	172.6	170.2	168.7	165.7	163.5
162.5°	180.7	181.6	180.7	179.8	179.6	176.4	172.2	170.2	169.1	166.9	165.3
165°	178.1	179.1	178.1	177.1	176.9	174.6	171.6	170.2	169.7	168.7	167.9
167.5°	176.3	176.6	176.3	175.8	175.7	174.3	172.3	171.3	170.9	170.1	169.5
170°	175.7	175.7	175.7	175.7	175.7	174.3	172.3	171.3	171.3	171.2	171.2
172.5°	174.3	174.0	174.3	174.7	174.8	173.6	172.1	171.3	171.3	171.3	171.3
175°	173.6	173.6	173.6	173.6	173.6	172.8	171.8	171.3	171.6	172.0	172.4
177.5°	172.8	172.4	172.8	173.2	173.3	172.7	171.9	171.6	171.7	172.1	172.4
180°	172.4	172.4	172.4	172.4	172.4	172.4	172.4	172.4	172.4	172.4	172.4



TEST NUMBER: P934023

CATALOG NUMBER: SQ4-FA-025U-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°	3.0	2.1	1.2	2.1	3.0	3.2	5.1	7.5	8.8	7.8	5.9
92.5°	20.3	12.5	4.6	12.5	20.3	22.3	31.4	43.5	49.5	43.4	31.1
95°	39.9	25.5	11.1	25.5	39.9	43.5	77.2	122.2	144.7	129.1	97.9
97.5°	44.6	31.9	19.2	31.9	44.6	47.7	104.0	179.0	216.5	206.7	187.0
100°	48.5	37.0	25.5	37.0	48.5	51.4	113.8	197.0	238.6	239.3	240.8
102.5°	52.3	41.6	30.8	41.6	52.3	55.0	118.3	202.7	244.9	257.4	282.5
105°	58.0	48.9	39.8	48.9	58.0	60.3	121.6	203.3	244.2	272.3	328.6
107.5°	66.0	57.5	49.0	57.5	66.0	68.1	122.2	194.3	230.3	269.6	348.0
110°	70.6	63.0	55.3	63.0	70.6	72.5	121.3	186.3	218.8	262.6	350.4



TEST NUMBER: P934023

CATALOG NUMBER: SQ4-FA-025U-100D-927-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	76.0	68.8	61.4	68.8	76.0	77.8	121.3	179.3	208.2	253.1	342.9
115°	84.2	77.5	70.7	77.5	84.2	85.9	122.4	171.2	195.6	238.9	325.3
117.5°	92.0	85.9	79.8	85.9	92.0	93.6	124.7	166.2	187.0	226.0	304.0
120°	96.6	90.9	85.2	90.9	96.6	98.1	126.6	164.5	183.5	219.1	290.4
122.5°	101.9	96.2	90.3	96.2	101.9	103.4	129.2	163.6	180.8	212.9	277.1
125°	109.0	103.6	98.3	103.6	109.0	110.3	132.8	162.9	177.9	205.2	259.8
127.5°	115.5	110.1	104.8	110.1	115.5	116.8	136.4	162.5	175.5	198.9	245.8
130°	119.7	114.0	108.3	114.0	119.7	121.2	139.0	162.7	174.6	195.4	237.1
132.5°	123.4	117.7	111.9	117.7	123.4	124.8	141.1	162.9	173.8	192.4	229.8
135°	127.7	122.4	117.2	122.4	127.7	129.0	143.5	162.8	172.4	188.0	219.3
137.5°	133.0	127.8	122.7	127.8	133.0	134.3	146.9	163.8	172.2	185.4	211.8
140°	136.7	131.9	127.1	131.9	136.7	137.9	149.1	163.9	171.3	182.7	205.6
142.5°	139.4	135.0	130.6	135.0	139.4	140.5	150.8	164.5	171.3	181.3	201.4
145°	143.6	139.8	135.9	139.8	143.6	144.6	153.2	164.5	170.2	178.3	194.7
147.5°	148.8	145.0	141.2	145.0	148.8	149.7	156.5	165.6	170.2	176.6	189.5
150°	151.5	148.1	144.7	148.1	151.5	152.4	158.3	166.2	170.2	175.6	186.5
152.5°	153.5	150.8	148.3	150.8	153.5	154.1	159.5	166.6	170.2	174.8	184.1
155°	157.5	155.5	153.6	155.5	157.5	157.9	162.0	167.5	170.2	173.9	181.3
157.5°	161.2	159.4	157.5	159.4	161.2	161.7	164.5	168.3	170.2	173.0	178.8
160°	163.1	161.7	160.2	161.7	163.1	163.5	165.7	168.7	170.2	172.6	177.6
162.5°	165.0	163.9	162.9	163.9	165.0	165.3	166.9	169.1	170.2	172.2	176.4
165°	167.7	166.7	165.8	166.7	167.7	167.9	168.7	169.7	170.2	171.6	174.6
167.5°	169.3	168.9	168.4	168.9	169.3	169.5	170.1	170.9	171.3	172.3	174.3
170°	171.1	170.6	170.2	170.6	171.1	171.2	171.2	171.3	171.3	172.3	174.3
172.5°	171.3	171.2	171.1	171.2	171.3	171.3	171.3	171.3	171.3	172.1	173.6
175°	172.4	172.4	172.4	172.4	172.4	172.4	172.0	171.6	171.3	171.8	172.8
177.5°	172.4	172.4	172.4	172.4	172.4	172.4	172.1	171.7	171.6	171.9	172.7
180°	172.4	172.4	172.4	172.4	172.4	172.4	172.4	172.4	172.4	172.4	172.4



TEST NUMBER: P934023
 CATALOG NUMBER: SQ4-FA-025U-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°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	5.9	7.8	8.8	7.5
92.5°	21.9	21.1	17.6	14.1	17.6	21.1	21.9	31.1	43.4	49.5	43.5
95°	74.6	72.0	61.4	50.8	61.4	72.0	74.6	97.9	129.1	144.7	122.2
97.5°	172.2	167.2	147.1	126.9	147.1	167.2	172.2	187.0	206.7	216.5	179.0
100°	241.9	235.9	211.9	187.9	211.9	235.9	241.9	240.8	239.3	238.6	197.0
102.5°	301.4	296.2	275.7	255.1	275.7	296.2	301.4	282.5	257.4	244.9	202.7
105°	370.8	368.0	357.0	345.9	357.0	368.0	370.8	328.6	272.3	244.2	203.3
107.5°	406.9	407.6	410.2	412.9	410.2	407.6	406.9	348.0	269.6	230.3	194.3
110°	416.1	419.0	430.5	442.1	430.5	419.0	416.1	350.4	262.6	218.8	186.3



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	410.2	414.6	432.3	450.0	432.3	414.6	410.2	342.9	253.1	208.2	179.3
115°	390.2	396.3	420.8	445.4	420.8	396.3	390.2	325.3	238.9	195.6	171.2
117.5°	362.5	369.3	396.6	423.7	396.6	369.3	362.5	304.0	226.0	187.0	166.2
120°	344.0	350.6	377.0	403.4	377.0	350.6	344.0	290.4	219.1	183.5	164.5
122.5°	325.3	331.9	357.9	383.9	357.9	331.9	325.3	277.1	212.9	180.8	163.6
125°	300.7	306.7	330.6	354.7	330.6	306.7	300.7	259.8	205.2	177.9	162.9
127.5°	280.9	286.0	306.2	326.5	306.2	286.0	280.9	245.8	198.9	175.5	162.5
130°	268.3	273.0	291.8	310.5	291.8	273.0	268.3	237.1	195.4	174.6	162.7
132.5°	257.7	261.9	278.7	295.4	278.7	261.9	257.7	229.8	192.4	173.8	162.9
135°	242.7	246.3	260.7	275.2	260.7	246.3	242.7	219.3	188.0	172.4	162.8
137.5°	231.6	234.5	246.4	258.2	246.4	234.5	231.6	211.8	185.4	172.2	163.8
140°	222.7	225.5	236.5	247.6	236.5	225.5	222.7	205.6	182.7	171.3	163.9
142.5°	216.4	218.8	228.3	237.9	228.3	218.8	216.4	201.4	181.3	171.3	164.5
145°	207.1	208.8	216.1	223.3	216.1	208.8	207.1	194.7	178.3	170.2	164.5
147.5°	199.2	200.7	206.7	212.6	206.7	200.7	199.2	189.5	176.6	170.2	165.6
150°	194.7	195.9	200.7	205.6	200.7	195.9	194.7	186.5	175.6	170.2	166.2
152.5°	191.1	192.0	195.7	199.4	195.7	192.0	191.1	184.1	174.8	170.2	166.6
155°	186.8	187.4	189.8	192.3	189.8	187.4	186.8	181.3	173.9	170.2	167.5
157.5°	183.1	183.6	185.3	187.0	185.3	183.6	183.1	178.8	173.0	170.2	168.3
160°	181.3	181.5	182.5	183.5	182.5	181.5	181.3	177.6	172.6	170.2	168.7
162.5°	179.6	179.8	180.7	181.6	180.7	179.8	179.6	176.4	172.2	170.2	169.1
165°	176.9	177.1	178.1	179.1	178.1	177.1	176.9	174.6	171.6	170.2	169.7
167.5°	175.7	175.8	176.3	176.6	176.3	175.8	175.7	174.3	172.3	171.3	170.9
170°	175.7	175.7	175.7	175.7	175.7	175.7	175.7	174.3	172.3	171.3	171.3
172.5°	174.8	174.7	174.3	174.0	174.3	174.7	174.8	173.6	172.1	171.3	171.3
175°	173.6	173.6	173.6	173.6	173.6	173.6	173.6	172.8	171.8	171.3	171.6
177.5°	173.3	173.2	172.8	172.4	172.8	173.2	173.3	172.7	171.9	171.6	171.7
180°	172.4	172.4	172.4	172.4	172.4	172.4	172.4	172.4	172.4	172.4	172.4



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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°	5.1	3.2	3.0	2.1	1.2
92.5°	31.4	22.3	20.3	12.5	4.6
95°	77.2	43.5	39.9	25.5	11.1
97.5°	104.0	47.7	44.6	31.9	19.2
100°	113.8	51.4	48.5	37.0	25.5
102.5°	118.3	55.0	52.3	41.6	30.8
105°	121.6	60.3	58.0	48.9	39.8
107.5°	122.2	68.1	66.0	57.5	49.0
110°	121.3	72.5	70.6	63.0	55.3



TEST NUMBER: P934023

CATALOG NUMBER: SQ4-FA-025U-100D-927-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	121.3	77.8	76.0	68.8	61.4
115°	122.4	85.9	84.2	77.5	70.7
117.5°	124.7	93.6	92.0	85.9	79.8
120°	126.6	98.1	96.6	90.9	85.2
122.5°	129.2	103.4	101.9	96.2	90.3
125°	132.8	110.3	109.0	103.6	98.3
127.5°	136.4	116.8	115.5	110.1	104.8
130°	139.0	121.2	119.7	114.0	108.3
132.5°	141.1	124.8	123.4	117.7	111.9
135°	143.5	129.0	127.7	122.4	117.2
137.5°	146.9	134.3	133.0	127.8	122.7
140°	149.1	137.9	136.7	131.9	127.1
142.5°	150.8	140.5	139.4	135.0	130.6
145°	153.2	144.6	143.6	139.8	135.9
147.5°	156.5	149.7	148.8	145.0	141.2
150°	158.3	152.4	151.5	148.1	144.7
152.5°	159.5	154.1	153.5	150.8	148.3
155°	162.0	157.9	157.5	155.5	153.6
157.5°	164.5	161.7	161.2	159.4	157.5
160°	165.7	163.5	163.1	161.7	160.2
162.5°	166.9	165.3	165.0	163.9	162.9
165°	168.7	167.9	167.7	166.7	165.8
167.5°	170.1	169.5	169.3	168.9	168.4
170°	171.2	171.2	171.1	170.6	170.2
172.5°	171.3	171.3	171.3	171.2	171.1
175°	172.0	172.4	172.4	172.4	172.4
177.5°	172.1	172.4	172.4	172.4	172.4
180°	172.4	172.4	172.4	172.4	172.4



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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	15.13	16.33	15.79	17.01	17.79	17.95	19.15	18.62	19.83	20.62
	3H	15.63	16.71	16.31	17.40	18.22	19.32	20.40	20.00	21.09	21.91
	4H	15.84	16.85	16.53	17.55	18.39	19.78	20.80	20.48	21.50	22.33
	6H	15.97	16.91	16.68	17.62	18.47	20.08	21.02	20.79	21.73	22.58
	8H	15.98	16.88	16.70	17.61	18.46	20.16	21.06	20.88	21.79	22.64
	12H	15.97	16.82	16.69	17.54	18.42	20.21	21.07	20.94	21.79	22.67
4H	2H	16.20	17.22	16.90	17.92	18.75	18.40	19.42	19.10	20.12	20.95
	3H	17.26	18.11	17.97	18.84	19.70	19.94	20.79	20.65	21.52	22.38
	4H	17.55	18.32	18.28	19.06	19.94	20.48	21.25	21.21	21.99	22.87
	6H	17.69	18.36	18.44	19.12	20.01	20.86	21.53	21.61	22.29	23.18
	8H	17.71	18.33	18.46	19.09	19.99	20.98	21.60	21.73	22.36	23.26
	12H	17.69	18.25	18.46	19.03	19.94	21.05	21.61	21.82	22.39	23.30
8H	4H	18.03	18.65	18.78	19.41	20.31	20.63	21.25	21.38	22.01	22.92
	6H	18.30	18.82	19.08	19.62	20.53	21.08	21.60	21.86	22.40	23.30
	8H	18.35	18.81	19.14	19.61	20.53	21.23	21.69	22.03	22.50	23.42
	12H	18.35	18.75	19.14	19.55	20.53	21.35	21.75	22.14	22.54	23.53
12H	4H	18.05	18.61	18.82	19.39	20.30	20.61	21.17	21.38	21.95	22.86
	6H	18.37	18.83	19.16	19.63	20.55	21.08	21.54	21.87	22.34	23.26
	8H	18.45	18.85	19.24	19.65	20.63	21.26	21.66	22.05	22.45	23.43