

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: P934910

Luminaire Tested: SQ4-FA-075U-125D-830-1D-UNV-STD-W-4

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934910
REPORT IS A COMBINATION OF REPORTS P933718 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-075U-125D-830-1D-UNV-STD-W-4
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

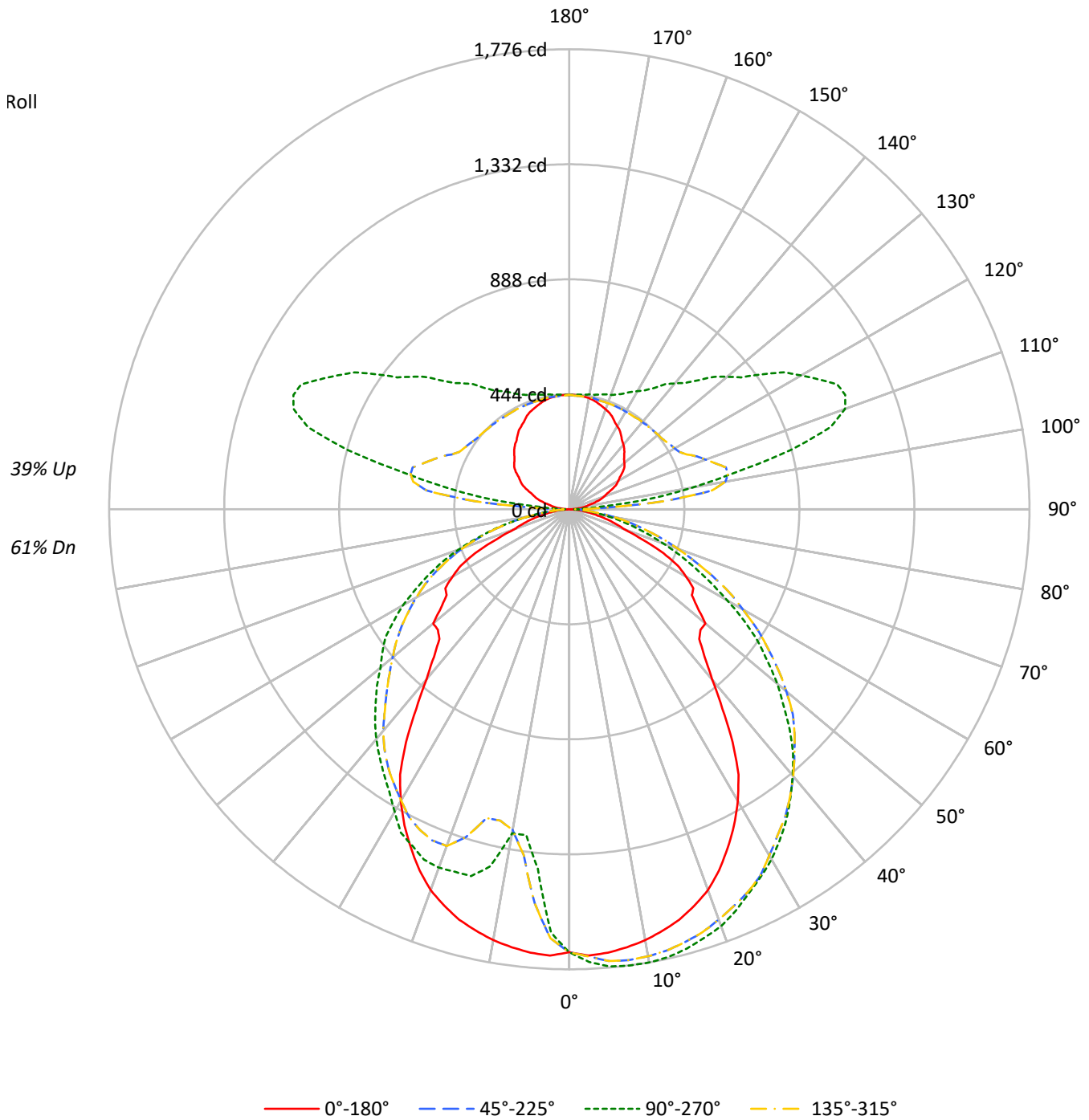
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7298.1 lumens
Efficiency: N/A
Efficacy: 117.7 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 4' x H: 0.1')
CIE Type: Semi-Direct

Input Watts (W): 62
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				
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	110	110	110	110	103	103	103	103	89	89	89	77	77	77	66	66	66	66	66	66	61
1	100	96	92	88	94	90	86	83	79	76	74	68	66	65	59	57	56	56	56	56	51
2	91	84	78	72	85	79	73	68	69	65	61	60	57	54	52	49	47	47	47	47	43
3	83	74	66	60	78	69	63	57	61	56	51	53	49	46	46	43	40	40	40	40	36
4	76	65	57	51	71	61	54	49	54	48	44	47	43	39	41	37	35	35	35	35	31
5	70	58	50	44	65	55	47	42	48	42	38	42	38	34	37	33	30	30	30	30	27
6	65	52	44	38	60	49	42	36	44	37	33	38	33	30	33	29	26	26	26	26	24
7	60	47	39	33	56	45	37	32	39	33	29	35	30	26	30	26	23	23	23	23	21
8	55	43	35	29	52	40	33	28	36	30	26	32	27	23	28	24	21	21	21	21	19
9	52	39	31	26	48	37	30	25	33	27	23	29	24	21	26	22	19	19	19	19	17
10	48	36	29	24	45	34	27	23	30	25	21	27	22	19	24	20	17	17	17	17	15

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	15868	15868	15868	15868
5°	15969	16019	15969	12595
10°	15845	15779	15845	11281
15°	15655	15437	15655	12889
20°	15310	15032	15310	12917
25°	14621	14441	14621	12643
30°	13738	13950	13738	12043
35°	12230	13331	12230	11382
40°	10172	12600	10172	10883
45°	9072	11746	9072	10309
50°	9615	10726	9615	9733
55°	9022	9628	9022	9400
60°	9266	8177	9266	8610
65°	8361	6761	8361	7556
70°	5750	5387	5750	6333
75°	4988	3982	4988	4769
80°	3936	2632	3936	2866
85°	2145	1394	2145	1185

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 13931 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	154.4	2.1
10°-20°	438.3	6.0
20°-30°	677.5	9.3
30°-40°	808.8	11.1
40°-50°	813.5	11.1
50°-60°	707.9	9.7
60°-70°	501.9	6.9
70°-80°	265.5	3.6
80°-90°	67.8	0.9
90°-100°	215.3	2.9
100°-110°	565.9	7.8
110°-120°	586.8	8.0
120°-130°	470.7	6.4
130°-140°	369.3	5.1
140°-150°	283.4	3.9
150°-160°	204.1	2.8
160°-170°	124.9	1.7
170°-180°	42.2	0.6
0°-30°	1270.2	17.4
0°-40°	2078.9	28.5
0°-60°	3600.4	49.3
0°-90°	4435.6	60.8
90°-120°	1367.9	18.7
90°-150°	2491.3	34.1
90°-180°	2863.0	39.2
0°-180°	7298.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1710	1710	1710	1710	1710	
5°	1718	1772	1718	1393	1718	163
15°	1640	1755	1640	1466	1640	462
25°	1445	1637	1445	1433	1445	663
35°	1098	1461	1098	1247	1098	680
45°	709	1204	709	1056	709	568
55°	578	888	578	867	578	531
65°	401	536	401	599	401	383
75°	152	254	152	304	152	160
85°	26	65	26	55	26	35
90°	3	11	3	11	3	4
95°	28	130	28	130	28	32
105°	102	886	102	886	102	108
115°	181	1141	181	1141	181	179
125°	252	909	252	909	252	224
135°	300	705	300	705	300	232
145°	348	572	348	572	348	218
155°	394	492	394	492	394	181
165°	425	459	425	459	425	120
175°	442	444	442	444	442	42
180°	442	442	442	442	442	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1710.1	1710.1	1710.1	1710.1	1710.1	1710.1	1710.1	1710.1	1710.1	1710.1	1710.1
2.5°	1724.6	1724.6	1734.4	1737.6	1737.6	1732.8	1727.9	1732.8	1747.3	1752.2	1750.5
5°	1718.1	1731.1	1748.9	1752.2	1755.4	1753.8	1750.5	1753.8	1769.9	1773.2	1774.8
7.5°	1705.2	1729.5	1752.2	1757.0	1761.8	1757.0	1755.4	1758.7	1774.8	1778.1	1778.1
10°	1689.1	1723.0	1748.9	1752.2	1757.0	1752.2	1752.2	1758.7	1774.8	1778.1	1779.7
12.5°	1666.4	1713.3	1737.6	1740.8	1747.3	1745.7	1744.0	1750.5	1766.7	1769.9	1769.9
15°	1640.5	1695.6	1718.1	1721.4	1732.8	1729.5	1729.5	1736.0	1753.8	1758.7	1757.0
17.5°	1604.9	1672.9	1698.7	1703.6	1711.7	1710.1	1711.7	1718.1	1734.4	1737.6	1739.2
20°	1564.5	1642.1	1672.9	1677.7	1685.8	1685.8	1685.8	1693.9	1710.1	1716.6	1716.6
22.5°	1509.4	1609.8	1642.1	1645.4	1655.0	1655.0	1658.3	1669.7	1684.2	1685.8	1685.8
25°	1444.7	1574.1	1601.7	1611.4	1621.1	1626.0	1630.8	1637.2	1642.1	1640.5	1642.1
27.5°	1376.8	1528.8	1564.5	1570.9	1583.9	1588.8	1595.2	1596.8	1598.4	1603.3	1600.1
30°	1300.7	1465.7	1519.2	1525.7	1546.7	1549.9	1543.5	1546.7	1554.7	1558.0	1561.2
32.5°	1215.0	1372.0	1472.2	1486.8	1506.3	1496.5	1494.9	1499.8	1512.7	1512.7	1515.9
35°	1098.5	1299.1	1428.6	1441.6	1456.1	1444.7	1451.2	1452.8	1461.0	1465.7	1464.2
37.5°	970.7	1236.0	1383.2	1393.0	1404.3	1389.7	1399.5	1404.3	1410.8	1407.5	1407.5
40°	857.4	1137.4	1329.9	1336.4	1346.0	1334.8	1344.4	1347.7	1350.9	1347.7	1346.0
42.5°	773.3	1028.9	1273.3	1281.3	1274.8	1283.0	1286.2	1292.7	1287.8	1281.3	1281.3
45°	708.6	999.9	1211.7	1221.5	1211.7	1224.7	1229.6	1229.6	1215.0	1211.7	1210.2
47.5°	687.6	941.6	1150.3	1150.3	1145.5	1161.6	1169.7	1158.4	1143.9	1139.0	1139.0
50°	685.9	876.8	1066.1	1059.7	1082.4	1101.8	1093.7	1082.4	1071.0	1053.2	1053.2
52.5°	622.8	797.6	957.8	982.0	1017.7	1028.9	1016.0	1004.7	985.3	977.2	970.7
55°	577.6	715.1	859.1	907.6	944.8	959.3	935.2	923.8	894.7	889.8	886.6
57.5°	567.9	595.4	768.5	830.0	875.2	873.7	859.1	838.0	813.7	809.0	807.3
60°	520.9	430.4	671.4	744.2	791.1	786.3	773.3	753.9	731.2	728.0	724.8
62.5°	472.5	312.2	561.4	643.9	710.2	708.6	697.3	668.1	652.0	643.9	637.5
65°	401.2	262.1	399.6	535.6	631.0	634.2	609.9	588.9	571.1	561.4	559.7
67.5°	305.7	213.6	270.2	446.5	555.0	551.7	520.9	511.3	488.6	483.7	474.1
70°	226.5	142.3	187.7	362.4	480.5	472.5	448.2	436.8	415.8	404.5	398.0
72.5°	187.7	114.9	137.5	281.5	404.5	394.7	373.7	360.8	343.0	333.3	326.8
75°	152.1	121.3	105.2	208.7	328.4	322.0	302.6	289.6	275.0	262.1	263.7
77.5°	111.7	113.3	84.1	153.7	260.5	250.8	239.5	223.2	216.8	203.8	203.8
80°	84.1	89.0	63.1	105.2	187.7	187.7	178.0	166.6	155.4	148.8	148.8
82.5°	56.6	56.6	46.9	66.3	127.8	122.9	116.4	113.3	106.8	103.5	103.5
85°	25.9	32.3	29.2	40.4	69.6	72.8	72.8	69.6	68.0	64.7	66.3
87.5°	8.1	14.5	17.8	22.7	35.6	37.2	38.8	38.8	38.8	40.4	40.4
90°	3.0	5.4	7.7	8.3	13.1	19.4	22.6	20.1	15.0	11.3	11.3
92.5°	11.9	32.0	52.1	57.2	80.4	111.4	126.9	111.2	79.8	56.3	54.1
95°	28.5	65.4	102.3	111.5	197.9	313.1	370.7	330.8	251.0	191.1	184.3
97.5°	49.2	81.7	114.2	122.4	266.5	458.7	554.8	529.5	479.1	441.3	428.4
100°	65.2	94.6	124.2	131.5	291.5	504.8	611.4	613.2	616.9	619.7	604.3
102.5°	78.9	106.4	133.8	140.7	303.0	519.3	627.4	659.5	723.8	772.0	758.8
105°	101.9	125.2	148.6	154.4	311.5	520.9	625.6	697.7	841.8	949.8	942.7
107.5°	125.6	147.4	169.1	174.6	313.1	497.7	590.0	690.5	891.5	1042.2	1044.0
110°	141.7	161.3	181.0	185.8	310.7	477.1	560.4	672.7	897.4	1065.9	1073.3



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	157.4	176.1	194.7	199.4	310.8	459.3	533.4	648.5	878.4	1050.8	1062.2
115°	181.1	198.3	215.6	219.9	313.7	438.6	501.1	611.9	833.4	999.6	1015.3
117.5°	204.5	220.2	235.8	239.8	319.5	425.7	478.9	578.9	778.8	928.8	946.2
120°	218.2	232.9	247.6	251.3	324.2	421.4	470.0	561.4	744.1	881.0	898.0
122.5°	231.4	246.4	261.2	264.9	331.0	419.1	463.2	545.4	709.9	833.3	850.1
125°	251.9	265.5	279.1	282.4	340.2	417.3	455.8	525.7	665.5	770.2	785.6
127.5°	268.5	282.2	295.9	299.3	349.4	416.2	449.6	509.6	629.6	719.6	732.6
130°	277.4	292.2	306.9	310.6	356.1	416.8	447.2	500.7	607.4	687.6	699.5
132.5°	286.6	301.3	316.1	319.8	361.6	417.3	445.1	492.9	588.6	660.3	671.0
135°	300.2	313.6	327.0	330.4	367.5	416.9	441.6	481.6	561.7	621.8	631.1
137.5°	314.1	327.4	340.7	344.1	376.4	419.5	441.0	474.8	542.5	593.3	600.8
140°	325.7	337.9	350.2	353.2	381.8	419.9	438.9	468.2	526.6	570.4	577.5
142.5°	334.6	345.9	357.2	360.0	386.3	421.4	438.9	464.6	516.0	554.5	560.6
145°	348.2	358.1	368.0	370.4	392.2	421.4	435.9	457.0	498.9	530.5	535.1
147.5°	361.8	371.4	381.1	383.5	400.9	424.3	435.9	452.5	485.6	510.3	514.1
150°	370.7	379.4	388.1	390.3	405.5	425.8	435.9	449.9	477.8	498.7	501.8
152.5°	379.9	386.5	393.1	394.7	408.5	426.8	435.9	447.9	471.7	489.6	491.9
155°	393.6	398.5	403.2	404.5	415.0	429.0	435.9	445.4	464.3	478.6	480.1
157.5°	403.6	408.4	413.2	414.3	421.5	431.2	435.9	443.3	458.0	469.1	470.2
160°	410.4	414.1	417.8	418.7	424.5	432.1	435.9	442.2	455.0	464.4	465.0
162.5°	417.3	420.1	422.8	423.5	427.6	433.2	435.9	441.3	451.9	459.9	460.5
165°	424.7	427.1	429.6	430.3	432.2	434.7	435.9	439.8	447.4	453.1	453.8
167.5°	431.4	432.6	433.8	434.1	435.7	437.8	438.9	441.4	446.5	450.2	450.5
170°	435.9	437.1	438.3	438.6	438.7	438.8	438.9	441.4	446.5	450.2	450.2
172.5°	438.3	438.6	438.8	438.9	438.9	438.9	438.9	440.9	444.8	447.8	447.6
175°	441.6	441.6	441.6	441.6	440.7	439.5	438.9	440.1	442.6	444.5	444.5
177.5°	441.6	441.6	441.6	441.6	440.9	440.0	439.5	440.4	442.4	444.0	443.7
180°	441.6	441.6	441.6	441.6	441.6	441.6	441.6	441.6	441.6	441.6	441.6



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1710.1	1710.1	1710.1	1710.1	1710.1	1710.1	1710.1	1710.1	1710.1	1710.1	1710.1
2.5°	1753.8	1748.9	1753.8	1750.5	1752.2	1747.3	1732.8	1727.9	1732.8	1737.6	1737.6
5°	1774.8	1771.6	1774.8	1774.8	1773.2	1769.9	1753.8	1750.5	1753.8	1755.4	1752.2
7.5°	1781.2	1776.4	1781.2	1778.1	1778.1	1774.8	1758.7	1755.4	1757.0	1761.8	1757.0
10°	1781.2	1776.4	1781.2	1779.7	1778.1	1774.8	1758.7	1752.2	1752.2	1757.0	1752.2
12.5°	1773.2	1769.9	1773.2	1769.9	1769.9	1766.7	1750.5	1744.0	1745.7	1747.3	1740.8
15°	1760.2	1755.4	1760.2	1757.0	1758.7	1753.8	1736.0	1729.5	1729.5	1732.8	1721.4
17.5°	1740.8	1734.4	1740.8	1739.2	1737.6	1734.4	1718.1	1711.7	1710.1	1711.7	1703.6
20°	1718.1	1713.3	1718.1	1716.6	1716.6	1710.1	1693.9	1685.8	1685.8	1685.8	1677.7
22.5°	1682.6	1677.7	1682.6	1685.8	1685.8	1684.2	1669.7	1658.3	1655.0	1655.0	1645.4
25°	1642.1	1637.2	1642.1	1642.1	1640.5	1642.1	1637.2	1630.8	1626.0	1621.1	1611.4
27.5°	1603.3	1600.1	1603.3	1600.1	1603.3	1598.4	1596.8	1595.2	1588.8	1583.9	1570.9
30°	1564.5	1561.2	1564.5	1561.2	1558.0	1554.7	1546.7	1543.5	1549.9	1546.7	1525.7
32.5°	1515.9	1512.7	1515.9	1515.9	1512.7	1512.7	1499.8	1494.9	1496.5	1506.3	1486.8
35°	1465.7	1461.0	1465.7	1464.2	1465.7	1461.0	1452.8	1451.2	1444.7	1456.1	1441.6
37.5°	1407.5	1402.6	1407.5	1407.5	1407.5	1410.8	1404.3	1399.5	1389.7	1404.3	1393.0
40°	1347.7	1341.2	1347.7	1346.0	1347.7	1350.9	1347.7	1344.4	1334.8	1346.0	1336.4
42.5°	1279.7	1278.1	1279.7	1281.3	1281.3	1287.8	1292.7	1286.2	1283.0	1274.8	1281.3
45°	1207.0	1203.7	1207.0	1210.2	1211.7	1215.0	1229.6	1229.6	1224.7	1211.7	1221.5
47.5°	1129.2	1121.2	1129.2	1139.0	1139.0	1143.9	1158.4	1169.7	1161.6	1145.5	1150.3
50°	1046.7	1048.3	1046.7	1053.2	1053.2	1071.0	1082.4	1093.7	1101.8	1082.4	1059.7
52.5°	965.8	964.2	965.8	970.7	977.2	985.3	1004.7	1016.0	1028.9	1017.7	982.0
55°	885.0	888.2	885.0	886.6	889.8	894.7	923.8	935.2	959.3	944.8	907.6
57.5°	804.1	799.2	804.1	807.3	809.0	813.7	838.0	859.1	873.7	875.2	830.0
60°	710.2	703.8	710.2	724.8	728.0	731.2	753.9	773.3	786.3	791.1	744.2
62.5°	627.7	616.4	627.7	637.5	643.9	652.0	668.1	697.3	708.6	710.2	643.9
65°	540.3	535.6	540.3	559.7	561.4	571.1	588.9	609.9	634.2	631.0	535.6
67.5°	461.1	461.1	461.1	474.1	483.7	488.6	511.3	520.9	551.7	555.0	446.5
70°	388.3	386.7	388.3	398.0	404.5	415.8	436.8	448.2	472.5	480.5	362.4
72.5°	318.7	317.1	318.7	326.8	333.3	343.0	360.8	373.7	394.7	404.5	281.5
75°	257.3	254.0	257.3	263.7	262.1	275.0	289.6	302.6	322.0	328.4	208.7
77.5°	197.4	197.4	197.4	203.8	203.8	216.8	223.2	239.5	250.8	260.5	153.7
80°	147.2	145.6	147.2	148.8	148.8	155.4	166.6	178.0	187.7	187.7	105.2
82.5°	103.5	100.3	103.5	103.5	103.5	106.8	113.3	116.4	122.9	127.8	66.3
85°	64.7	64.7	64.7	66.3	64.7	68.0	69.6	72.8	72.8	69.6	40.4
87.5°	42.1	40.4	42.1	40.4	40.4	38.8	38.8	38.8	37.2	35.6	22.7
90°	11.3	11.3	11.3	11.3	11.3	15.0	20.1	22.6	19.4	13.1	8.3
92.5°	45.1	36.1	45.1	54.1	56.3	79.8	111.2	126.9	111.4	80.4	57.2
95°	157.3	130.1	157.3	184.3	191.1	251.0	330.8	370.7	313.1	197.9	111.5
97.5°	376.8	325.1	376.8	428.4	441.3	479.1	529.5	554.8	458.7	266.5	122.4
100°	542.8	481.3	542.8	604.3	619.7	616.9	613.2	611.4	504.8	291.5	131.5
102.5°	706.1	653.4	706.1	758.8	772.0	723.8	659.5	627.4	519.3	303.0	140.7
105°	914.4	886.1	914.4	942.7	949.8	841.8	697.7	625.6	520.9	311.5	154.4
107.5°	1050.8	1057.7	1050.8	1044.0	1042.2	891.5	690.5	590.0	497.7	313.1	174.6
110°	1102.8	1132.4	1102.8	1073.3	1065.9	897.4	672.7	560.4	477.1	310.7	185.8



TEST NUMBER: P934910

CATALOG NUMBER: SQ4-FA-075U-125D-830-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	1107.5	1152.8	1107.5	1062.2	1050.8	878.4	648.5	533.4	459.3	310.8	199.4
115°	1078.2	1141.0	1078.2	1015.3	999.6	833.4	611.9	501.1	438.6	313.7	219.9
117.5°	1015.8	1085.5	1015.8	946.2	928.8	778.8	578.9	478.9	425.7	319.5	239.8
120°	965.7	1033.3	965.7	898.0	881.0	744.1	561.4	470.0	421.4	324.2	251.3
122.5°	916.8	983.6	916.8	850.1	833.3	709.9	545.4	463.2	419.1	331.0	264.9
125°	847.1	908.6	847.1	785.6	770.2	665.5	525.7	455.8	417.3	340.2	282.4
127.5°	784.4	836.3	784.4	732.6	719.6	629.6	509.6	449.6	416.2	349.4	299.3
130°	747.5	795.4	747.5	699.5	687.6	607.4	500.7	447.2	416.8	356.1	310.6
132.5°	713.9	756.9	713.9	671.0	660.3	588.6	492.9	445.1	417.3	361.6	319.8
135°	668.1	705.0	668.1	631.1	621.8	561.7	481.6	441.6	416.9	367.5	330.4
137.5°	631.2	661.5	631.2	600.8	593.3	542.5	474.8	441.0	419.5	376.4	344.1
140°	605.9	634.2	605.9	577.5	570.4	526.6	468.2	438.9	419.9	381.8	353.2
142.5°	584.9	609.3	584.9	560.6	554.5	516.0	464.6	438.9	421.4	386.3	360.0
145°	553.5	572.0	553.5	535.1	530.5	498.9	457.0	435.9	421.4	392.2	370.4
147.5°	529.4	544.7	529.4	514.1	510.3	485.6	452.5	435.9	424.3	400.9	383.5
150°	514.2	526.7	514.2	501.8	498.7	477.8	449.9	435.9	425.8	405.5	390.3
152.5°	501.2	510.6	501.2	491.9	489.6	471.7	447.9	435.9	426.8	408.5	394.7
155°	486.3	492.5	486.3	480.1	478.6	464.3	445.4	435.9	429.0	415.0	404.5
157.5°	474.6	478.9	474.6	470.2	469.1	458.0	443.3	435.9	431.2	421.5	414.3
160°	467.5	470.0	467.5	465.0	464.4	455.0	442.2	435.9	432.1	424.5	418.7
162.5°	462.9	465.3	462.9	460.5	459.9	451.9	441.3	435.9	433.2	427.6	423.5
165°	456.3	458.8	456.3	453.8	453.1	447.4	439.8	435.9	434.7	432.2	430.3
167.5°	451.5	452.6	451.5	450.5	450.2	446.5	441.4	438.9	437.8	435.7	434.1
170°	450.2	450.2	450.2	450.2	450.2	446.5	441.4	438.9	438.8	438.7	438.6
172.5°	446.6	445.7	446.6	447.6	447.8	444.8	440.9	438.9	438.9	438.9	438.9
175°	444.5	444.5	444.5	444.5	444.5	442.6	440.1	438.9	439.5	440.7	441.6
177.5°	442.6	441.6	442.6	443.7	444.0	442.4	440.4	439.5	440.0	440.9	441.6
180°	441.6	441.6	441.6	441.6	441.6	441.6	441.6	441.6	441.6	441.6	441.6



TEST NUMBER: P934910

CATALOG NUMBER: SQ4-FA-075U-125D-830-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1710.1	1710.1	1710.1	1710.1	1710.1	1710.1	1710.1	1710.1	1710.1	1710.1	1710.1
2.5°	1734.4	1724.6	1724.6	1708.5	1702.0	1697.1	1689.1	1664.8	1658.3	1651.9	1661.5
5°	1748.9	1731.1	1718.1	1689.1	1664.8	1655.0	1624.3	1566.1	1527.3	1498.1	1482.0
7.5°	1752.2	1729.5	1705.2	1659.9	1601.7	1575.8	1482.0	1375.2	1346.0	1320.1	1304.0
10°	1748.9	1723.0	1689.1	1621.1	1483.6	1438.3	1344.4	1274.8	1257.0	1252.3	1257.0
12.5°	1737.6	1713.3	1666.4	1553.1	1360.6	1329.9	1274.8	1234.4	1231.2	1239.3	1283.0
15°	1718.1	1695.6	1640.5	1462.6	1292.7	1270.0	1231.2	1216.6	1234.4	1291.1	1422.1
17.5°	1698.7	1672.9	1604.9	1373.6	1240.9	1224.7	1197.2	1226.4	1326.6	1402.6	1446.3
20°	1672.9	1642.1	1564.5	1308.9	1203.7	1189.2	1176.2	1307.2	1383.2	1410.8	1435.1
22.5°	1642.1	1609.8	1509.4	1263.5	1164.9	1153.5	1161.6	1352.5	1383.2	1402.6	1423.7
25°	1601.7	1574.1	1444.7	1228.0	1134.1	1121.2	1151.9	1347.7	1365.5	1370.3	1412.4
27.5°	1564.5	1528.8	1376.8	1195.6	1096.9	1092.0	1160.0	1326.6	1339.5	1344.4	1389.7
30°	1519.2	1465.7	1300.7	1161.6	1058.1	1056.5	1161.6	1300.7	1297.5	1310.5	1355.8
32.5°	1472.2	1372.0	1215.0	1119.6	1020.9	1019.3	1150.3	1261.9	1258.7	1276.5	1310.5
35°	1428.6	1299.1	1098.5	1071.0	974.0	975.6	1122.8	1216.6	1218.2	1234.4	1255.4
37.5°	1383.2	1236.0	970.7	1017.7	928.7	928.7	1085.5	1174.5	1171.3	1176.2	1205.3
40°	1329.9	1137.4	857.4	948.1	886.6	881.7	1040.3	1129.2	1117.9	1116.3	1156.8
42.5°	1273.3	1028.9	773.3	855.8	838.0	831.6	985.3	1074.3	1053.2	1058.1	1109.8
45°	1211.7	999.9	708.6	723.2	787.9	783.1	925.4	1011.2	996.6	1009.5	1063.0
47.5°	1150.3	941.6	687.6	600.3	734.5	732.9	859.1	949.7	941.6	954.6	1011.2
50°	1066.1	876.8	685.9	514.5	674.6	681.2	779.8	889.8	889.8	901.1	961.0
52.5°	957.8	797.6	622.8	466.0	605.1	624.5	710.2	838.0	841.3	852.7	906.0
55°	859.1	715.1	577.6	428.8	522.5	564.6	642.3	784.7	791.1	802.5	851.0
57.5°	768.5	595.4	567.9	385.1	446.5	487.0	582.4	732.9	736.1	745.9	792.7
60°	671.4	430.4	520.9	338.1	380.2	410.9	527.4	671.4	682.8	689.2	729.6
62.5°	561.4	312.2	472.5	305.7	347.8	354.3	482.1	613.2	627.7	632.6	656.9
65°	399.6	262.1	401.2	278.3	313.9	315.5	433.5	553.3	566.2	574.4	592.1
67.5°	270.2	213.6	305.7	252.4	287.9	289.6	386.7	483.7	501.5	508.0	519.3
70°	187.7	142.3	226.5	224.9	258.9	262.1	336.5	420.6	436.8	441.7	448.2
72.5°	137.5	114.9	187.7	202.2	228.1	231.4	284.7	349.4	365.7	370.4	373.7
75°	105.2	121.3	152.1	176.4	194.2	195.8	233.0	284.7	296.1	299.3	300.9
77.5°	84.1	113.3	111.7	142.3	158.5	155.4	182.8	220.1	229.7	229.7	229.7
80°	63.1	89.0	84.1	101.9	116.4	113.3	131.1	157.0	160.1	163.4	161.8
82.5°	46.9	56.6	56.6	64.7	77.6	74.4	87.4	101.9	101.9	101.9	105.2
85°	29.2	32.3	25.9	33.9	43.7	42.1	48.6	55.0	56.6	56.6	53.3
87.5°	17.8	14.5	8.1	12.9	19.4	19.4	22.7	24.3	22.7	22.7	22.7
90°	7.7	5.4	3.0	5.4	7.7	8.3	13.1	19.4	22.6	20.1	15.0
92.5°	52.1	32.0	11.9	32.0	52.1	57.2	80.4	111.4	126.9	111.2	79.8
95°	102.3	65.4	28.5	65.4	102.3	111.5	197.9	313.1	370.7	330.8	251.0
97.5°	114.2	81.7	49.2	81.7	114.2	122.4	266.5	458.7	554.8	529.5	479.1
100°	124.2	94.6	65.2	94.6	124.2	131.5	291.5	504.8	611.4	613.2	616.9
102.5°	133.8	106.4	78.9	106.4	133.8	140.7	303.0	519.3	627.4	659.5	723.8
105°	148.6	125.2	101.9	125.2	148.6	154.4	311.5	520.9	625.6	697.7	841.8
107.5°	169.1	147.4	125.6	147.4	169.1	174.6	313.1	497.7	590.0	690.5	891.5
110°	181.0	161.3	141.7	161.3	181.0	185.8	310.7	477.1	560.4	672.7	897.4



TEST NUMBER: P934910

CATALOG NUMBER: SQ4-FA-075U-125D-830-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	194.7	176.1	157.4	176.1	194.7	199.4	310.8	459.3	533.4	648.5	878.4
115°	215.6	198.3	181.1	198.3	215.6	219.9	313.7	438.6	501.1	611.9	833.4
117.5°	235.8	220.2	204.5	220.2	235.8	239.8	319.5	425.7	478.9	578.9	778.8
120°	247.6	232.9	218.2	232.9	247.6	251.3	324.2	421.4	470.0	561.4	744.1
122.5°	261.2	246.4	231.4	246.4	261.2	264.9	331.0	419.1	463.2	545.4	709.9
125°	279.1	265.5	251.9	265.5	279.1	282.4	340.2	417.3	455.8	525.7	665.5
127.5°	295.9	282.2	268.5	282.2	295.9	299.3	349.4	416.2	449.6	509.6	629.6
130°	306.9	292.2	277.4	292.2	306.9	310.6	356.1	416.8	447.2	500.7	607.4
132.5°	316.1	301.3	286.6	301.3	316.1	319.8	361.6	417.3	445.1	492.9	588.6
135°	327.0	313.6	300.2	313.6	327.0	330.4	367.5	416.9	441.6	481.6	561.7
137.5°	340.7	327.4	314.1	327.4	340.7	344.1	376.4	419.5	441.0	474.8	542.5
140°	350.2	337.9	325.7	337.9	350.2	353.2	381.8	419.9	438.9	468.2	526.6
142.5°	357.2	345.9	334.6	345.9	357.2	360.0	386.3	421.4	438.9	464.6	516.0
145°	368.0	358.1	348.2	358.1	368.0	370.4	392.2	421.4	435.9	457.0	498.9
147.5°	381.1	371.4	361.8	371.4	381.1	383.5	400.9	424.3	435.9	452.5	485.6
150°	388.1	379.4	370.7	379.4	388.1	390.3	405.5	425.8	435.9	449.9	477.8
152.5°	393.1	386.5	379.9	386.5	393.1	394.7	408.5	426.8	435.9	447.9	471.7
155°	403.2	398.5	393.6	398.5	403.2	404.5	415.0	429.0	435.9	445.4	464.3
157.5°	413.2	408.4	403.6	408.4	413.2	414.3	421.5	431.2	435.9	443.3	458.0
160°	417.8	414.1	410.4	414.1	417.8	418.7	424.5	432.1	435.9	442.2	455.0
162.5°	422.8	420.1	417.3	420.1	422.8	423.5	427.6	433.2	435.9	441.3	451.9
165°	429.6	427.1	424.7	427.1	429.6	430.3	432.2	434.7	435.9	439.8	447.4
167.5°	433.8	432.6	431.4	432.6	433.8	434.1	435.7	437.8	438.9	441.4	446.5
170°	438.3	437.1	435.9	437.1	438.3	438.6	438.7	438.8	438.9	441.4	446.5
172.5°	438.8	438.6	438.3	438.6	438.8	438.9	438.9	438.9	438.9	440.9	444.8
175°	441.6	441.6	441.6	441.6	441.6	441.6	440.7	439.5	438.9	440.1	442.6
177.5°	441.6	441.6	441.6	441.6	441.6	441.6	440.9	440.0	439.5	440.4	442.4
180°	441.6	441.6	441.6	441.6	441.6	441.6	441.6	441.6	441.6	441.6	441.6



TEST NUMBER: P934910
 CATALOG NUMBER: SQ4-FA-075U-125D-830-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1710.1	1710.1	1710.1	1710.1	1710.1	1710.1	1710.1	1710.1	1710.1	1710.1	1710.1
2.5°	1650.2	1645.4	1651.9	1634.0	1651.9	1645.4	1650.2	1661.5	1651.9	1658.3	1664.8
5°	1448.0	1439.9	1414.0	1393.0	1414.0	1439.9	1448.0	1482.0	1498.1	1527.3	1566.1
7.5°	1294.3	1287.8	1281.3	1268.4	1281.3	1287.8	1294.3	1304.0	1320.1	1346.0	1375.2
10°	1260.3	1261.9	1271.7	1270.0	1271.7	1261.9	1260.3	1257.0	1252.3	1257.0	1274.8
12.5°	1347.7	1362.2	1415.6	1412.4	1415.6	1362.2	1347.7	1283.0	1239.3	1231.2	1234.4
15°	1448.0	1452.8	1464.2	1465.7	1464.2	1452.8	1448.0	1422.1	1291.1	1234.4	1216.6
17.5°	1457.7	1459.3	1467.4	1467.4	1467.4	1459.3	1457.7	1446.3	1402.6	1326.6	1226.4
20°	1449.6	1452.8	1469.0	1472.2	1469.0	1452.8	1449.6	1435.1	1410.8	1383.2	1307.2
22.5°	1446.3	1452.8	1465.7	1464.2	1465.7	1452.8	1446.3	1423.7	1402.6	1383.2	1352.5
25°	1430.2	1430.2	1431.8	1433.4	1431.8	1430.2	1430.2	1412.4	1370.3	1365.5	1347.7
27.5°	1396.2	1399.5	1409.1	1407.5	1409.1	1399.5	1396.2	1389.7	1344.4	1339.5	1326.6
30°	1365.5	1362.2	1354.2	1347.7	1354.2	1362.2	1365.5	1355.8	1310.5	1297.5	1300.7
32.5°	1313.7	1305.6	1297.5	1292.7	1297.5	1305.6	1313.7	1310.5	1276.5	1258.7	1261.9
35°	1252.3	1253.8	1252.3	1247.4	1252.3	1253.8	1252.3	1255.4	1234.4	1218.2	1216.6
37.5°	1208.6	1211.7	1210.2	1203.7	1210.2	1211.7	1208.6	1205.3	1176.2	1171.3	1174.5
40°	1163.3	1164.9	1163.3	1158.4	1163.3	1164.9	1163.3	1156.8	1116.3	1117.9	1129.2
42.5°	1119.6	1117.9	1113.1	1109.8	1113.1	1117.9	1119.6	1109.8	1058.1	1053.2	1074.3
45°	1069.4	1071.0	1061.4	1056.5	1061.4	1071.0	1069.4	1063.0	1009.5	996.6	1011.2
47.5°	1019.3	1019.3	1011.2	1006.3	1011.2	1019.3	1019.3	1011.2	954.6	941.6	949.7
50°	965.8	964.2	952.9	951.3	952.9	964.2	965.8	961.0	901.1	889.8	889.8
52.5°	904.4	904.4	906.0	909.3	906.0	904.4	904.4	906.0	852.7	841.3	838.0
55°	851.0	852.7	863.9	867.2	863.9	852.7	851.0	851.0	802.5	791.1	784.7
57.5°	796.0	796.0	804.1	804.1	804.1	796.0	796.0	792.7	745.9	736.1	732.9
60°	732.9	736.1	742.6	741.0	742.6	736.1	732.9	729.6	689.2	682.8	671.4
62.5°	666.5	669.8	671.4	668.1	671.4	669.8	666.5	656.9	632.6	627.7	613.2
65°	597.0	600.3	601.8	598.6	601.8	600.3	597.0	592.1	574.4	566.2	553.3
67.5°	525.8	524.2	522.5	529.1	522.5	524.2	525.8	519.3	508.0	501.5	483.7
70°	453.0	453.0	451.4	454.6	451.4	453.0	453.0	448.2	441.7	436.8	420.6
72.5°	375.3	373.7	380.2	375.3	380.2	373.7	375.3	373.7	370.4	365.7	349.4
75°	299.3	302.6	299.3	304.2	299.3	302.6	299.3	300.9	299.3	296.1	284.7
77.5°	228.1	231.4	228.1	228.1	228.1	231.4	228.1	229.7	229.7	229.7	220.1
80°	161.8	160.1	160.1	158.5	160.1	160.1	161.8	161.8	163.4	160.1	157.0
82.5°	103.5	101.9	101.9	105.2	101.9	101.9	103.5	105.2	101.9	101.9	101.9
85°	56.6	58.2	55.0	55.0	55.0	58.2	56.6	53.3	56.6	56.6	55.0
87.5°	21.0	19.4	19.4	19.4	19.4	19.4	21.0	22.7	22.7	22.7	24.3
90°	11.3	11.3	11.3	11.3	11.3	11.3	11.3	15.0	20.1	22.6	19.4
92.5°	56.3	54.1	45.1	36.1	45.1	54.1	56.3	79.8	111.2	126.9	111.4
95°	191.1	184.3	157.3	130.1	157.3	184.3	191.1	251.0	330.8	370.7	313.1
97.5°	441.3	428.4	376.8	325.1	376.8	428.4	441.3	479.1	529.5	554.8	458.7
100°	619.7	604.3	542.8	481.3	542.8	604.3	619.7	616.9	613.2	611.4	504.8
102.5°	772.0	758.8	706.1	653.4	706.1	758.8	772.0	723.8	659.5	627.4	519.3
105°	949.8	942.7	914.4	886.1	914.4	942.7	949.8	841.8	697.7	625.6	520.9
107.5°	1042.2	1044.0	1050.8	1057.7	1050.8	1044.0	1042.2	891.5	690.5	590.0	497.7
110°	1065.9	1073.3	1102.8	1132.4	1102.8	1073.3	1065.9	897.4	672.7	560.4	477.1



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1050.8	1062.2	1107.5	1152.8	1107.5	1062.2	1050.8	878.4	648.5	533.4	459.3
115°	999.6	1015.3	1078.2	1141.0	1078.2	1015.3	999.6	833.4	611.9	501.1	438.6
117.5°	928.8	946.2	1015.8	1085.5	1015.8	946.2	928.8	778.8	578.9	478.9	425.7
120°	881.0	898.0	965.7	1033.3	965.7	898.0	881.0	744.1	561.4	470.0	421.4
122.5°	833.3	850.1	916.8	983.6	916.8	850.1	833.3	709.9	545.4	463.2	419.1
125°	770.2	785.6	847.1	908.6	847.1	785.6	770.2	665.5	525.7	455.8	417.3
127.5°	719.6	732.6	784.4	836.3	784.4	732.6	719.6	629.6	509.6	449.6	416.2
130°	687.6	699.5	747.5	795.4	747.5	699.5	687.6	607.4	500.7	447.2	416.8
132.5°	660.3	671.0	713.9	756.9	713.9	671.0	660.3	588.6	492.9	445.1	417.3
135°	621.8	631.1	668.1	705.0	668.1	631.1	621.8	561.7	481.6	441.6	416.9
137.5°	593.3	600.8	631.2	661.5	631.2	600.8	593.3	542.5	474.8	441.0	419.5
140°	570.4	577.5	605.9	634.2	605.9	577.5	570.4	526.6	468.2	438.9	419.9
142.5°	554.5	560.6	584.9	609.3	584.9	560.6	554.5	516.0	464.6	438.9	421.4
145°	530.5	535.1	553.5	572.0	553.5	535.1	530.5	498.9	457.0	435.9	421.4
147.5°	510.3	514.1	529.4	544.7	529.4	514.1	510.3	485.6	452.5	435.9	424.3
150°	498.7	501.8	514.2	526.7	514.2	501.8	498.7	477.8	449.9	435.9	425.8
152.5°	489.6	491.9	501.2	510.6	501.2	491.9	489.6	471.7	447.9	435.9	426.8
155°	478.6	480.1	486.3	492.5	486.3	480.1	478.6	464.3	445.4	435.9	429.0
157.5°	469.1	470.2	474.6	478.9	474.6	470.2	469.1	458.0	443.3	435.9	431.2
160°	464.4	465.0	467.5	470.0	467.5	465.0	464.4	455.0	442.2	435.9	432.1
162.5°	459.9	460.5	462.9	465.3	462.9	460.5	459.9	451.9	441.3	435.9	433.2
165°	453.1	453.8	456.3	458.8	456.3	453.8	453.1	447.4	439.8	435.9	434.7
167.5°	450.2	450.5	451.5	452.6	451.5	450.5	450.2	446.5	441.4	438.9	437.8
170°	450.2	450.2	450.2	450.2	450.2	450.2	450.2	446.5	441.4	438.9	438.8
172.5°	447.8	447.6	446.6	445.7	446.6	447.6	447.8	444.8	440.9	438.9	438.9
175°	444.5	444.5	444.5	444.5	444.5	444.5	444.5	442.6	440.1	438.9	439.5
177.5°	444.0	443.7	442.6	441.6	442.6	443.7	444.0	442.4	440.4	439.5	440.0
180°	441.6	441.6	441.6	441.6	441.6	441.6	441.6	441.6	441.6	441.6	441.6



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1710.1	1710.1	1710.1	1710.1	1710.1
2.5°	1689.1	1697.1	1702.0	1708.5	1724.6
5°	1624.3	1655.0	1664.8	1689.1	1718.1
7.5°	1482.0	1575.8	1601.7	1659.9	1705.2
10°	1344.4	1438.3	1483.6	1621.1	1689.1
12.5°	1274.8	1329.9	1360.6	1553.1	1666.4
15°	1231.2	1270.0	1292.7	1462.6	1640.5
17.5°	1197.2	1224.7	1240.9	1373.6	1604.9
20°	1176.2	1189.2	1203.7	1308.9	1564.5
22.5°	1161.6	1153.5	1164.9	1263.5	1509.4
25°	1151.9	1121.2	1134.1	1228.0	1444.7
27.5°	1160.0	1092.0	1096.9	1195.6	1376.8
30°	1161.6	1056.5	1058.1	1161.6	1300.7
32.5°	1150.3	1019.3	1020.9	1119.6	1215.0
35°	1122.8	975.6	974.0	1071.0	1098.5
37.5°	1085.5	928.7	928.7	1017.7	970.7
40°	1040.3	881.7	886.6	948.1	857.4
42.5°	985.3	831.6	838.0	855.8	773.3
45°	925.4	783.1	787.9	723.2	708.6
47.5°	859.1	732.9	734.5	600.3	687.6
50°	779.8	681.2	674.6	514.5	685.9
52.5°	710.2	624.5	605.1	466.0	622.8
55°	642.3	564.6	522.5	428.8	577.6
57.5°	582.4	487.0	446.5	385.1	567.9
60°	527.4	410.9	380.2	338.1	520.9
62.5°	482.1	354.3	347.8	305.7	472.5
65°	433.5	315.5	313.9	278.3	401.2
67.5°	386.7	289.6	287.9	252.4	305.7
70°	336.5	262.1	258.9	224.9	226.5
72.5°	284.7	231.4	228.1	202.2	187.7
75°	233.0	195.8	194.2	176.4	152.1
77.5°	182.8	155.4	158.5	142.3	111.7
80°	131.1	113.3	116.4	101.9	84.1
82.5°	87.4	74.4	77.6	64.7	56.6
85°	48.6	42.1	43.7	33.9	25.9
87.5°	22.7	19.4	19.4	12.9	8.1
90°	13.1	8.3	7.7	5.4	3.0
92.5°	80.4	57.2	52.1	32.0	11.9
95°	197.9	111.5	102.3	65.4	28.5
97.5°	266.5	122.4	114.2	81.7	49.2
100°	291.5	131.5	124.2	94.6	65.2
102.5°	303.0	140.7	133.8	106.4	78.9
105°	311.5	154.4	148.6	125.2	101.9
107.5°	313.1	174.6	169.1	147.4	125.6
110°	310.7	185.8	181.0	161.3	141.7



TEST NUMBER: P934910

CATALOG NUMBER: SQ4-FA-075U-125D-830-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	310.8	199.4	194.7	176.1	157.4
115°	313.7	219.9	215.6	198.3	181.1
117.5°	319.5	239.8	235.8	220.2	204.5
120°	324.2	251.3	247.6	232.9	218.2
122.5°	331.0	264.9	261.2	246.4	231.4
125°	340.2	282.4	279.1	265.5	251.9
127.5°	349.4	299.3	295.9	282.2	268.5
130°	356.1	310.6	306.9	292.2	277.4
132.5°	361.6	319.8	316.1	301.3	286.6
135°	367.5	330.4	327.0	313.6	300.2
137.5°	376.4	344.1	340.7	327.4	314.1
140°	381.8	353.2	350.2	337.9	325.7
142.5°	386.3	360.0	357.2	345.9	334.6
145°	392.2	370.4	368.0	358.1	348.2
147.5°	400.9	383.5	381.1	371.4	361.8
150°	405.5	390.3	388.1	379.4	370.7
152.5°	408.5	394.7	393.1	386.5	379.9
155°	415.0	404.5	403.2	398.5	393.6
157.5°	421.5	414.3	413.2	408.4	403.6
160°	424.5	418.7	417.8	414.1	410.4
162.5°	427.6	423.5	422.8	420.1	417.3
165°	432.2	430.3	429.6	427.1	424.7
167.5°	435.7	434.1	433.8	432.6	431.4
170°	438.7	438.6	438.3	437.1	435.9
172.5°	438.9	438.9	438.8	438.6	438.3
175°	440.7	441.6	441.6	441.6	441.6
177.5°	440.9	441.6	441.6	441.6	441.6
180°	441.6	441.6	441.6	441.6	441.6



TEST NUMBER: P934910
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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	15.34	16.30	16.20	17.18	18.29	18.13	19.10	18.99	19.98	21.09
	3H	15.82	16.69	16.69	17.58	18.71	19.48	20.35	20.35	21.24	22.37
	4H	16.02	16.84	16.91	17.73	18.88	19.92	20.74	20.81	21.64	22.78
	6H	16.14	16.90	17.04	17.80	18.96	20.20	20.96	21.10	21.86	23.02
	8H	16.15	16.87	17.05	17.79	18.94	20.28	21.00	21.18	21.92	23.07
	12H	16.12	16.81	17.04	17.72	18.90	20.31	21.00	21.23	21.91	23.10
4H	2H	16.37	17.19	17.27	18.09	19.24	18.56	19.38	19.45	20.27	21.42
	3H	17.41	18.09	18.31	19.02	20.18	20.06	20.75	20.97	21.67	22.83
	4H	17.69	18.31	18.61	19.24	20.42	20.59	21.21	21.50	22.14	23.32
	6H	17.82	18.36	18.75	19.31	20.49	20.95	21.49	21.88	22.44	23.62
	8H	17.83	18.33	18.76	19.27	20.48	21.06	21.56	21.99	22.50	23.70
	12H	17.80	18.26	18.75	19.22	20.42	21.11	21.57	22.07	22.53	23.73
8H	4H	18.15	18.65	19.08	19.59	20.79	20.72	21.23	21.66	22.17	23.37
	6H	18.41	18.83	19.37	19.81	21.01	21.16	21.57	22.11	22.55	23.75
	8H	18.46	18.83	19.43	19.80	21.02	21.30	21.67	22.27	22.64	23.86
	12H	18.45	18.77	19.42	19.74	21.00	21.40	21.73	22.37	22.69	23.96
12H	4H	18.16	18.61	19.11	19.57	20.78	20.69	21.15	21.64	22.11	23.31
	6H	18.48	18.84	19.44	19.82	21.03	21.15	21.52	22.12	22.50	23.71
	8H	18.55	18.87	19.52	19.84	21.10	21.32	21.64	22.29	22.61	23.87