

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: P934918

Luminaire Tested: SQ4-FA-075U-125D-840-1D-UNV-STD-W-4

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934918
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-840-1D-UNV-STD-W-4
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

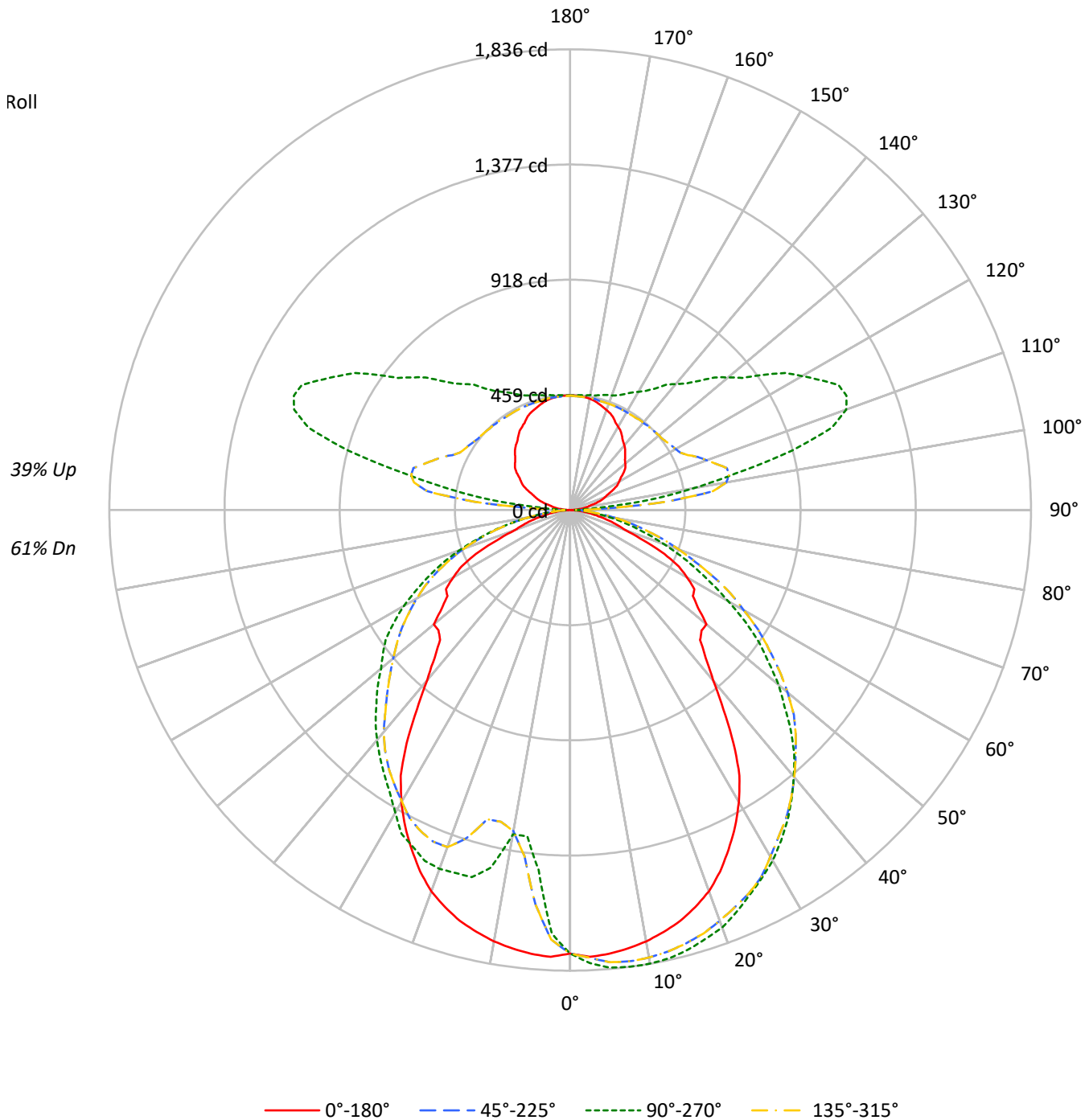
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7542.4 lumens
Efficiency: N/A
Efficacy: 121.7 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°	16399	16399	16399	16399
5°	16503	16555	16503	13017
10°	16376	16307	16376	11659
15°	16179	15954	16179	13321
20°	15823	15535	15823	13349
25°	15111	14924	15111	13066
30°	14199	14418	14199	12446
35°	12639	13777	12639	11763
40°	10513	13022	10513	11247
45°	9375	12139	9375	10654
50°	9938	11085	9938	10059
55°	9324	9951	9324	9715
60°	9577	8452	9577	8898
65°	8642	6987	8642	7810
70°	5943	5567	5943	6545
75°	5155	4115	5155	4929
80°	4067	2721	4067	2961
85°	2219	1441	2219	1224

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 14397 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	159.5	2.1
10°-20°	453.0	6.0
20°-30°	700.2	9.3
30°-40°	835.9	11.1
40°-50°	840.8	11.1
50°-60°	731.6	9.7
60°-70°	518.7	6.9
70°-80°	274.4	3.6
80°-90°	70.1	0.9
90°-100°	222.5	2.9
100°-110°	584.8	7.8
110°-120°	606.4	8.0
120°-130°	486.4	6.4
130°-140°	381.7	5.1
140°-150°	292.9	3.9
150°-160°	211.0	2.8
160°-170°	129.1	1.7
170°-180°	43.6	0.6
0°-30°	1312.7	17.4
0°-40°	2148.5	28.5
0°-60°	3720.9	49.3
0°-90°	4584.1	60.8
90°-120°	1413.7	18.7
90°-150°	2574.7	34.1
90°-180°	2958.0	39.2
0°-180°	7542.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1767	1767	1767	1767	1767	
5°	1776	1831	1776	1440	1776	168
15°	1695	1814	1695	1515	1695	477
25°	1493	1692	1493	1481	1493	686
35°	1135	1510	1135	1289	1135	702
45°	732	1244	732	1092	732	587
55°	597	918	597	896	597	548
65°	415	554	415	619	415	396
75°	157	262	157	314	157	165
85°	27	67	27	57	27	36
90°	3	12	3	12	3	4
95°	29	134	29	134	29	33
105°	105	916	105	916	105	112
115°	187	1179	187	1179	187	185
125°	260	939	260	939	260	231
135°	310	729	310	729	310	240
145°	360	591	360	591	360	225
155°	407	509	407	509	407	187
165°	439	474	439	474	439	124
175°	456	456	456	456	456	43
180°	456	456	456	456	456	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1767.3	1767.3	1767.3	1767.3	1767.3	1767.3	1767.3	1767.3	1767.3	1767.3	1767.3
2.5°	1782.4	1782.4	1792.4	1795.8	1795.8	1790.8	1785.7	1790.8	1805.8	1810.8	1809.1
5°	1775.6	1789.1	1807.4	1810.8	1814.2	1812.5	1809.1	1812.5	1829.2	1832.5	1834.2
7.5°	1762.3	1787.4	1810.8	1815.8	1820.8	1815.8	1814.2	1817.5	1834.2	1837.6	1837.6
10°	1745.6	1780.7	1807.4	1810.8	1815.8	1810.8	1810.8	1817.5	1834.2	1837.6	1839.3
12.5°	1722.2	1770.7	1795.8	1799.0	1805.8	1804.1	1802.4	1809.1	1825.8	1829.2	1829.2
15°	1695.4	1752.3	1775.6	1779.0	1790.8	1787.4	1787.4	1794.1	1812.5	1817.5	1815.8
17.5°	1658.7	1728.9	1755.6	1760.6	1769.0	1767.3	1769.0	1775.6	1792.4	1795.8	1797.4
20°	1616.9	1697.1	1728.9	1733.8	1742.2	1742.2	1742.2	1750.6	1767.3	1774.1	1774.1
22.5°	1560.0	1663.7	1697.1	1700.4	1710.4	1710.4	1713.8	1725.5	1740.6	1742.2	1742.2
25°	1493.1	1626.8	1655.3	1665.4	1675.4	1680.4	1685.4	1692.0	1697.1	1695.4	1697.1
27.5°	1422.9	1580.0	1616.9	1623.5	1636.9	1642.0	1648.6	1650.3	1651.9	1657.0	1653.6
30°	1344.3	1514.8	1570.0	1576.7	1598.5	1601.7	1595.1	1598.5	1606.8	1610.1	1613.5
32.5°	1255.6	1417.9	1521.5	1536.5	1556.7	1546.6	1544.9	1550.0	1563.3	1563.3	1566.7
35°	1135.3	1342.6	1476.4	1489.8	1504.8	1493.1	1499.8	1501.5	1509.9	1514.8	1513.2
37.5°	1003.2	1277.4	1429.5	1439.6	1451.3	1436.3	1446.3	1451.3	1458.0	1454.6	1454.6
40°	886.1	1175.4	1374.4	1381.1	1391.1	1379.4	1389.4	1392.8	1396.1	1392.8	1391.1
42.5°	799.2	1063.4	1315.9	1324.2	1317.5	1325.9	1329.3	1336.0	1330.9	1324.2	1324.2
45°	732.3	1033.3	1252.3	1262.4	1252.3	1265.7	1270.8	1270.8	1255.6	1252.3	1250.7
47.5°	710.6	973.1	1188.8	1188.8	1183.8	1200.5	1208.8	1197.2	1182.1	1177.1	1177.1
50°	708.9	906.2	1101.8	1095.2	1118.6	1138.7	1130.3	1118.6	1106.9	1088.5	1088.5
52.5°	643.7	824.3	989.9	1014.9	1051.7	1063.4	1050.0	1038.3	1018.2	1009.9	1003.2
55°	596.9	739.0	887.8	938.0	976.4	991.5	966.5	954.7	924.7	919.6	916.3
57.5°	586.9	615.3	794.3	857.8	904.5	902.9	887.8	866.1	841.0	836.0	834.4
60°	538.4	444.8	693.9	769.2	817.6	812.6	799.2	779.1	755.7	752.4	749.1
62.5°	488.3	322.7	580.2	665.4	734.0	732.3	720.6	690.5	673.8	665.4	658.8
65°	414.7	270.9	413.0	553.5	652.1	655.4	630.3	608.6	590.2	580.2	578.5
67.5°	316.0	220.7	279.2	461.5	573.5	570.2	538.4	528.4	505.0	499.9	489.9
70°	234.1	147.1	193.9	374.6	496.6	488.3	463.2	451.4	429.7	418.0	411.3
72.5°	193.9	118.8	142.1	291.0	418.0	407.9	386.2	372.9	354.5	344.4	337.7
75°	157.2	125.4	108.7	215.7	339.4	332.8	312.7	299.3	284.2	270.9	272.5
77.5°	115.4	117.1	86.9	158.9	269.2	259.2	247.5	230.7	224.1	210.6	210.6
80°	86.9	92.0	65.2	108.7	193.9	193.9	184.0	172.2	160.6	153.8	153.8
82.5°	58.5	58.5	48.5	68.6	132.1	127.1	120.3	117.1	110.4	107.0	107.0
85°	26.8	33.4	30.1	41.8	71.9	75.3	75.3	71.9	70.2	66.9	68.6
87.5°	8.4	15.0	18.4	23.4	36.8	38.4	40.1	40.1	40.1	41.8	41.8
90°	3.1	5.5	8.0	8.6	13.5	20.1	23.3	20.7	15.5	11.7	11.7
92.5°	12.3	33.1	53.8	59.1	83.1	115.1	131.1	114.9	82.5	58.2	55.9
95°	29.4	67.6	105.7	115.2	204.5	323.6	383.1	341.8	259.4	197.5	190.5
97.5°	50.9	84.5	118.1	126.5	275.5	474.0	573.3	547.3	495.2	456.1	442.7
100°	67.4	97.8	128.3	135.9	301.2	521.7	631.8	633.7	637.6	640.4	624.5
102.5°	81.5	110.0	138.3	145.4	313.1	536.7	648.4	681.6	748.0	797.8	784.2
105°	105.3	129.4	153.5	159.6	321.9	538.4	646.5	721.0	869.9	981.6	974.3
107.5°	129.8	152.3	174.8	180.4	323.6	514.4	609.8	713.6	921.3	1077.1	1078.9
110°	146.4	166.7	187.0	192.1	321.1	493.1	579.2	695.3	927.4	1101.6	1109.2



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	162.6	182.0	201.3	206.1	321.2	474.6	551.3	670.2	907.8	1086.0	1097.8
115°	187.1	204.9	222.8	227.2	324.2	453.3	517.9	632.4	861.3	1033.1	1049.3
117.5°	211.3	227.5	243.7	247.8	330.2	440.0	494.9	598.2	804.8	959.8	977.8
120°	225.5	240.7	255.9	259.7	335.0	435.5	485.7	580.2	769.0	910.5	928.0
122.5°	239.2	254.6	269.9	273.8	342.0	433.1	478.7	563.7	733.7	861.2	878.5
125°	260.3	274.4	288.4	291.9	351.6	431.3	471.1	543.3	687.7	796.0	811.9
127.5°	277.5	291.7	305.8	309.3	361.1	430.2	464.7	526.7	650.7	743.7	757.1
130°	286.7	301.9	317.1	321.0	368.0	430.8	462.2	517.4	627.8	710.6	722.9
132.5°	296.2	311.4	326.6	330.5	373.7	431.3	460.0	509.4	608.3	682.4	693.5
135°	310.2	324.1	338.0	341.5	379.8	430.9	456.4	497.8	580.5	642.6	652.2
137.5°	324.7	338.4	352.1	355.6	389.0	433.5	455.8	490.7	560.7	613.2	621.0
140°	336.6	349.3	361.9	365.1	394.6	433.9	453.6	483.8	544.2	589.5	596.9
142.5°	345.8	357.5	369.1	372.1	399.3	435.5	453.6	480.2	533.2	573.0	579.4
145°	359.8	370.1	380.3	382.8	405.4	435.5	450.5	472.3	515.6	548.2	553.0
147.5°	374.0	383.8	393.8	396.3	414.4	438.5	450.5	467.6	501.8	527.4	531.3
150°	383.1	392.1	401.1	403.4	419.1	440.1	450.5	465.0	493.8	515.4	518.6
152.5°	392.6	399.4	406.3	407.9	422.2	441.0	450.5	462.9	487.5	506.0	508.3
155°	406.8	411.8	416.7	418.0	428.9	443.3	450.5	460.3	479.9	494.6	496.2
157.5°	417.1	422.1	427.0	428.2	435.6	445.6	450.5	458.1	473.4	484.8	485.9
160°	424.1	428.0	431.8	432.7	438.7	446.6	450.5	457.0	470.2	480.0	480.6
162.5°	431.3	434.1	437.0	437.7	441.9	447.7	450.5	456.1	467.0	475.3	475.9
165°	438.9	441.4	444.0	444.7	446.7	449.2	450.5	454.5	462.4	468.3	469.0
167.5°	445.9	447.1	448.4	448.7	450.3	452.5	453.6	456.2	461.4	465.2	465.5
170°	450.5	451.7	453.0	453.3	453.4	453.5	453.6	456.2	461.4	465.2	465.2
172.5°	453.0	453.3	453.5	453.6	453.6	453.6	453.6	455.7	459.7	462.8	462.6
175°	456.4	456.4	456.4	456.4	455.5	454.2	453.6	454.9	457.4	459.4	459.4
177.5°	456.4	456.4	456.4	456.4	455.7	454.7	454.2	455.2	457.2	458.8	458.5
180°	456.4	456.4	456.4	456.4	456.4	456.4	456.4	456.4	456.4	456.4	456.4



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1767.3	1767.3	1767.3	1767.3	1767.3	1767.3	1767.3	1767.3	1767.3	1767.3	1767.3
2.5°	1812.5	1807.4	1812.5	1809.1	1810.8	1805.8	1790.8	1785.7	1790.8	1795.8	1795.8
5°	1834.2	1830.9	1834.2	1834.2	1832.5	1829.2	1812.5	1809.1	1812.5	1814.2	1810.8
7.5°	1840.8	1835.9	1840.8	1837.6	1837.6	1834.2	1817.5	1814.2	1815.8	1820.8	1815.8
10°	1840.8	1835.9	1840.8	1839.3	1837.6	1834.2	1817.5	1810.8	1810.8	1815.8	1810.8
12.5°	1832.5	1829.2	1832.5	1829.2	1829.2	1825.8	1809.1	1802.4	1804.1	1805.8	1799.0
15°	1819.1	1814.2	1819.1	1815.8	1817.5	1812.5	1794.1	1787.4	1787.4	1790.8	1779.0
17.5°	1799.0	1792.4	1799.0	1797.4	1795.8	1792.4	1775.6	1769.0	1767.3	1769.0	1760.6
20°	1775.6	1770.7	1775.6	1774.1	1774.1	1767.3	1750.6	1742.2	1742.2	1742.2	1733.8
22.5°	1738.9	1733.8	1738.9	1742.2	1742.2	1740.6	1725.5	1713.8	1710.4	1710.4	1700.4
25°	1697.1	1692.0	1697.1	1697.1	1695.4	1697.1	1692.0	1685.4	1680.4	1675.4	1665.4
27.5°	1657.0	1653.6	1657.0	1653.6	1657.0	1651.9	1650.3	1648.6	1642.0	1636.9	1623.5
30°	1616.9	1613.5	1616.9	1613.5	1610.1	1606.8	1598.5	1595.1	1601.7	1598.5	1576.7
32.5°	1566.7	1563.3	1566.7	1566.7	1563.3	1563.3	1550.0	1544.9	1546.6	1556.7	1536.5
35°	1514.8	1509.9	1514.8	1513.2	1514.8	1509.9	1501.5	1499.8	1493.1	1504.8	1489.8
37.5°	1454.6	1449.6	1454.6	1454.6	1454.6	1458.0	1451.3	1446.3	1436.3	1451.3	1439.6
40°	1392.8	1386.1	1392.8	1391.1	1392.8	1396.1	1392.8	1389.4	1379.4	1391.1	1381.1
42.5°	1322.5	1320.9	1322.5	1324.2	1324.2	1330.9	1336.0	1329.3	1325.9	1317.5	1324.2
45°	1247.4	1244.0	1247.4	1250.7	1252.3	1255.6	1270.8	1270.8	1265.7	1252.3	1262.4
47.5°	1167.0	1158.7	1167.0	1177.1	1177.1	1182.1	1197.2	1208.8	1200.5	1183.8	1188.8
50°	1081.8	1083.4	1081.8	1088.5	1088.5	1106.9	1118.6	1130.3	1138.7	1118.6	1095.2
52.5°	998.2	996.5	998.2	1003.2	1009.9	1018.2	1038.3	1050.0	1063.4	1051.7	1014.9
55°	914.6	918.0	914.6	916.3	919.6	924.7	954.7	966.5	991.5	976.4	938.0
57.5°	831.0	826.0	831.0	834.4	836.0	841.0	866.1	887.8	902.9	904.5	857.8
60°	734.0	727.4	734.0	749.1	752.4	755.7	779.1	799.2	812.6	817.6	769.2
62.5°	648.7	637.1	648.7	658.8	665.4	673.8	690.5	720.6	732.3	734.0	665.4
65°	558.4	553.5	558.4	578.5	580.2	590.2	608.6	630.3	655.4	652.1	553.5
67.5°	476.5	476.5	476.5	489.9	499.9	505.0	528.4	538.4	570.2	573.5	461.5
70°	401.3	399.6	401.3	411.3	418.0	429.7	451.4	463.2	488.3	496.6	374.6
72.5°	329.4	327.7	329.4	337.7	344.4	354.5	372.9	386.2	407.9	418.0	291.0
75°	265.9	262.5	265.9	272.5	270.9	284.2	299.3	312.7	332.8	339.4	215.7
77.5°	204.0	204.0	204.0	210.6	210.6	224.1	230.7	247.5	259.2	269.2	158.9
80°	152.2	150.5	152.2	153.8	153.8	160.6	172.2	184.0	193.9	193.9	108.7
82.5°	107.0	103.6	107.0	107.0	107.0	110.4	117.1	120.3	127.1	132.1	68.6
85°	66.9	66.9	66.9	68.6	66.9	70.2	71.9	75.3	75.3	71.9	41.8
87.5°	43.5	41.8	43.5	41.8	41.8	40.1	40.1	40.1	38.4	36.8	23.4
90°	11.7	11.7	11.7	11.7	11.7	15.5	20.7	23.3	20.1	13.5	8.6
92.5°	46.6	37.3	46.6	55.9	58.2	82.5	114.9	131.1	115.1	83.1	59.1
95°	162.5	134.5	162.5	190.5	197.5	259.4	341.8	383.1	323.6	204.5	115.2
97.5°	389.4	336.0	389.4	442.7	456.1	495.2	547.3	573.3	474.0	275.5	126.5
100°	561.0	497.4	561.0	624.5	640.4	637.6	633.7	631.8	521.7	301.2	135.9
102.5°	729.7	675.3	729.7	784.2	797.8	748.0	681.6	648.4	536.7	313.1	145.4
105°	945.0	915.8	945.0	974.3	981.6	869.9	721.0	646.5	538.4	321.9	159.6
107.5°	1086.0	1093.1	1086.0	1078.9	1077.1	921.3	713.6	609.8	514.4	323.6	180.4
110°	1139.8	1170.3	1139.8	1109.2	1101.6	927.4	695.3	579.2	493.1	321.1	192.1



TEST NUMBER: P934918

CATALOG NUMBER: SQ4-FA-075U-125D-840-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	1144.6	1191.4	1144.6	1097.8	1086.0	907.8	670.2	551.3	474.6	321.2	206.1
115°	1114.3	1179.2	1114.3	1049.3	1033.1	861.3	632.4	517.9	453.3	324.2	227.2
117.5°	1049.8	1121.9	1049.8	977.8	959.8	804.8	598.2	494.9	440.0	330.2	247.8
120°	998.0	1067.9	998.0	928.0	910.5	769.0	580.2	485.7	435.5	335.0	259.7
122.5°	947.5	1016.6	947.5	878.5	861.2	733.7	563.7	478.7	433.1	342.0	273.8
125°	875.5	939.0	875.5	811.9	796.0	687.7	543.3	471.1	431.3	351.6	291.9
127.5°	810.7	864.3	810.7	757.1	743.7	650.7	526.7	464.7	430.2	361.1	309.3
130°	772.5	822.0	772.5	722.9	710.6	627.8	517.4	462.2	430.8	368.0	321.0
132.5°	737.8	782.2	737.8	693.5	682.4	608.3	509.4	460.0	431.3	373.7	330.5
135°	690.4	728.6	690.4	652.2	642.6	580.5	497.8	456.4	430.9	379.8	341.5
137.5°	652.3	683.6	652.3	621.0	613.2	560.7	490.7	455.8	433.5	389.0	355.6
140°	626.2	655.4	626.2	596.9	589.5	544.2	483.8	453.6	433.9	394.6	365.1
142.5°	604.5	629.7	604.5	579.4	573.0	533.2	480.2	453.6	435.5	399.3	372.1
145°	572.1	591.1	572.1	553.0	548.2	515.6	472.3	450.5	435.5	405.4	382.8
147.5°	547.2	563.0	547.2	531.3	527.4	501.8	467.6	450.5	438.5	414.4	396.3
150°	531.4	544.3	531.4	518.6	515.4	493.8	465.0	450.5	440.1	419.1	403.4
152.5°	518.0	527.7	518.0	508.3	506.0	487.5	462.9	450.5	441.0	422.2	407.9
155°	502.6	509.0	502.6	496.2	494.6	479.9	460.3	450.5	443.3	428.9	418.0
157.5°	490.4	494.9	490.4	485.9	484.8	473.4	458.1	450.5	445.6	435.6	428.2
160°	483.1	485.7	483.1	480.6	480.0	470.2	457.0	450.5	446.6	438.7	432.7
162.5°	478.4	480.9	478.4	475.9	475.3	467.0	456.1	450.5	447.7	441.9	437.7
165°	471.6	474.1	471.6	469.0	468.3	462.4	454.5	450.5	449.2	446.7	444.7
167.5°	466.6	467.7	466.6	465.5	465.2	461.4	456.2	453.6	452.5	450.3	448.7
170°	465.2	465.2	465.2	465.2	465.2	461.4	456.2	453.6	453.5	453.4	453.3
172.5°	461.6	460.6	461.6	462.6	462.8	459.7	455.7	453.6	453.6	453.6	453.6
175°	459.4	459.4	459.4	459.4	459.4	457.4	454.9	453.6	454.2	455.5	456.4
177.5°	457.4	456.4	457.4	458.5	458.8	457.2	455.2	454.2	454.7	455.7	456.4
180°	456.4	456.4	456.4	456.4	456.4	456.4	456.4	456.4	456.4	456.4	456.4



TEST NUMBER: P934918

CATALOG NUMBER: SQ4-FA-075U-125D-840-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1767.3	1767.3	1767.3	1767.3	1767.3	1767.3	1767.3	1767.3	1767.3	1767.3	1767.3
2.5°	1792.4	1782.4	1782.4	1765.7	1758.9	1753.9	1745.6	1720.5	1713.8	1707.2	1717.1
5°	1807.4	1789.1	1775.6	1745.6	1720.5	1710.4	1678.7	1618.5	1578.4	1548.3	1531.6
7.5°	1810.8	1787.4	1762.3	1715.5	1655.3	1628.5	1531.6	1421.2	1391.1	1364.3	1347.6
10°	1807.4	1780.7	1745.6	1675.4	1533.3	1486.4	1389.4	1317.5	1299.1	1294.2	1299.1
12.5°	1795.8	1770.7	1722.2	1605.1	1406.1	1374.4	1317.5	1275.7	1272.4	1280.7	1325.9
15°	1775.6	1752.3	1695.4	1511.5	1336.0	1312.6	1272.4	1257.3	1275.7	1334.3	1469.7
17.5°	1755.6	1728.9	1658.7	1419.6	1282.4	1265.7	1237.3	1267.4	1371.0	1449.6	1494.7
20°	1728.9	1697.1	1616.9	1352.7	1244.0	1229.0	1215.5	1351.0	1429.5	1458.0	1483.1
22.5°	1697.1	1663.7	1560.0	1305.8	1203.9	1192.1	1200.5	1397.8	1429.5	1449.6	1471.3
25°	1655.3	1626.8	1493.1	1269.1	1172.1	1158.7	1190.4	1392.8	1411.2	1416.2	1459.7
27.5°	1616.9	1580.0	1422.9	1235.6	1133.6	1128.6	1198.8	1371.0	1384.4	1389.4	1436.3
30°	1570.0	1514.8	1344.3	1200.5	1093.5	1091.8	1200.5	1344.3	1340.9	1354.4	1401.2
32.5°	1521.5	1417.9	1255.6	1157.0	1055.1	1053.4	1188.8	1304.2	1300.8	1319.2	1354.4
35°	1476.4	1342.6	1135.3	1106.9	1006.6	1008.3	1160.4	1257.3	1259.0	1275.7	1297.4
37.5°	1429.5	1277.4	1003.2	1051.7	959.7	959.7	1121.9	1213.9	1210.5	1215.5	1245.7
40°	1374.4	1175.4	886.1	979.8	916.3	911.2	1075.1	1167.0	1155.4	1153.7	1195.5
42.5°	1315.9	1063.4	799.2	884.5	866.1	859.5	1018.2	1110.2	1088.5	1093.5	1147.0
45°	1252.3	1033.3	732.3	747.4	814.3	809.3	956.4	1045.0	1030.0	1043.3	1098.6
47.5°	1188.8	973.1	710.6	620.4	759.1	757.4	887.8	981.5	973.1	986.5	1045.0
50°	1101.8	906.2	708.9	531.7	697.2	704.0	805.9	919.6	919.6	931.3	993.1
52.5°	989.9	824.3	643.7	481.6	625.3	645.4	734.0	866.1	869.4	881.2	936.3
55°	887.8	739.0	596.9	443.1	540.0	583.5	663.8	811.0	817.6	829.3	879.5
57.5°	794.3	615.3	586.9	398.0	461.5	503.3	601.9	757.4	760.8	770.8	819.2
60°	693.9	444.8	538.4	349.5	392.9	424.6	545.1	693.9	705.6	712.2	754.0
62.5°	580.2	322.7	488.3	316.0	359.4	366.2	498.2	633.7	648.7	653.8	678.9
65°	413.0	270.9	414.7	287.6	324.4	326.0	448.1	571.9	585.2	593.6	612.0
67.5°	279.2	220.7	316.0	260.8	297.6	299.3	399.6	499.9	518.3	525.0	536.7
70°	193.9	147.1	234.1	232.4	267.6	270.9	347.8	434.7	451.4	456.5	463.2
72.5°	142.1	118.8	193.9	209.0	235.7	239.1	294.2	361.1	377.9	382.8	386.2
75°	108.7	125.4	157.2	182.3	200.7	202.3	240.8	294.2	306.0	309.3	311.0
77.5°	86.9	117.1	115.4	147.1	163.8	160.6	188.9	227.4	237.4	237.4	237.4
80°	65.2	92.0	86.9	105.3	120.3	117.1	135.5	162.2	165.5	168.8	167.2
82.5°	48.5	58.5	58.5	66.9	80.2	76.9	90.3	105.3	105.3	105.3	108.7
85°	30.1	33.4	26.8	35.1	45.2	43.5	50.2	56.8	58.5	58.5	55.1
87.5°	18.4	15.0	8.4	13.3	20.1	20.1	23.4	25.1	23.4	23.4	23.4
90°	8.0	5.5	3.1	5.5	8.0	8.6	13.5	20.1	23.3	20.7	15.5
92.5°	53.8	33.1	12.3	33.1	53.8	59.1	83.1	115.1	131.1	114.9	82.5
95°	105.7	67.6	29.4	67.6	105.7	115.2	204.5	323.6	383.1	341.8	259.4
97.5°	118.1	84.5	50.9	84.5	118.1	126.5	275.5	474.0	573.3	547.3	495.2
100°	128.3	97.8	67.4	97.8	128.3	135.9	301.2	521.7	631.8	633.7	637.6
102.5°	138.3	110.0	81.5	110.0	138.3	145.4	313.1	536.7	648.4	681.6	748.0
105°	153.5	129.4	105.3	129.4	153.5	159.6	321.9	538.4	646.5	721.0	869.9
107.5°	174.8	152.3	129.8	152.3	174.8	180.4	323.6	514.4	609.8	713.6	921.3
110°	187.0	166.7	146.4	166.7	187.0	192.1	321.1	493.1	579.2	695.3	927.4



TEST NUMBER: P934918

CATALOG NUMBER: SQ4-FA-075U-125D-840-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	201.3	182.0	162.6	182.0	201.3	206.1	321.2	474.6	551.3	670.2	907.8
115°	222.8	204.9	187.1	204.9	222.8	227.2	324.2	453.3	517.9	632.4	861.3
117.5°	243.7	227.5	211.3	227.5	243.7	247.8	330.2	440.0	494.9	598.2	804.8
120°	255.9	240.7	225.5	240.7	255.9	259.7	335.0	435.5	485.7	580.2	769.0
122.5°	269.9	254.6	239.2	254.6	269.9	273.8	342.0	433.1	478.7	563.7	733.7
125°	288.4	274.4	260.3	274.4	288.4	291.9	351.6	431.3	471.1	543.3	687.7
127.5°	305.8	291.7	277.5	291.7	305.8	309.3	361.1	430.2	464.7	526.7	650.7
130°	317.1	301.9	286.7	301.9	317.1	321.0	368.0	430.8	462.2	517.4	627.8
132.5°	326.6	311.4	296.2	311.4	326.6	330.5	373.7	431.3	460.0	509.4	608.3
135°	338.0	324.1	310.2	324.1	338.0	341.5	379.8	430.9	456.4	497.8	580.5
137.5°	352.1	338.4	324.7	338.4	352.1	355.6	389.0	433.5	455.8	490.7	560.7
140°	361.9	349.3	336.6	349.3	361.9	365.1	394.6	433.9	453.6	483.8	544.2
142.5°	369.1	357.5	345.8	357.5	369.1	372.1	399.3	435.5	453.6	480.2	533.2
145°	380.3	370.1	359.8	370.1	380.3	382.8	405.4	435.5	450.5	472.3	515.6
147.5°	393.8	383.8	374.0	383.8	393.8	396.3	414.4	438.5	450.5	467.6	501.8
150°	401.1	392.1	383.1	392.1	401.1	403.4	419.1	440.1	450.5	465.0	493.8
152.5°	406.3	399.4	392.6	399.4	406.3	407.9	422.2	441.0	450.5	462.9	487.5
155°	416.7	411.8	406.8	411.8	416.7	418.0	428.9	443.3	450.5	460.3	479.9
157.5°	427.0	422.1	417.1	422.1	427.0	428.2	435.6	445.6	450.5	458.1	473.4
160°	431.8	428.0	424.1	428.0	431.8	432.7	438.7	446.6	450.5	457.0	470.2
162.5°	437.0	434.1	431.3	434.1	437.0	437.7	441.9	447.7	450.5	456.1	467.0
165°	444.0	441.4	438.9	441.4	444.0	444.7	446.7	449.2	450.5	454.5	462.4
167.5°	448.4	447.1	445.9	447.1	448.4	448.7	450.3	452.5	453.6	456.2	461.4
170°	453.0	451.7	450.5	451.7	453.0	453.3	453.4	453.5	453.6	456.2	461.4
172.5°	453.5	453.3	453.0	453.3	453.5	453.6	453.6	453.6	453.6	455.7	459.7
175°	456.4	456.4	456.4	456.4	456.4	456.4	455.5	454.2	453.6	454.9	457.4
177.5°	456.4	456.4	456.4	456.4	456.4	456.4	455.7	454.7	454.2	455.2	457.2
180°	456.4	456.4	456.4	456.4	456.4	456.4	456.4	456.4	456.4	456.4	456.4



TEST NUMBER: P934918
 CATALOG NUMBER: SQ4-FA-075U-125D-840-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1767.3	1767.3	1767.3	1767.3	1767.3	1767.3	1767.3	1767.3	1767.3	1767.3	1767.3
2.5°	1705.5	1700.4	1707.2	1688.7	1707.2	1700.4	1705.5	1717.1	1707.2	1713.8	1720.5
5°	1496.4	1488.1	1461.4	1439.6	1461.4	1488.1	1496.4	1531.6	1548.3	1578.4	1618.5
7.5°	1337.7	1330.9	1324.2	1310.9	1324.2	1330.9	1337.7	1347.6	1364.3	1391.1	1421.2
10°	1302.5	1304.2	1314.2	1312.6	1314.2	1304.2	1302.5	1299.1	1294.2	1299.1	1317.5
12.5°	1392.8	1407.8	1463.0	1459.7	1463.0	1407.8	1392.8	1325.9	1280.7	1272.4	1275.7
15°	1496.4	1501.5	1513.2	1514.8	1513.2	1501.5	1496.4	1469.7	1334.3	1275.7	1257.3
17.5°	1506.5	1508.2	1516.5	1516.5	1516.5	1508.2	1506.5	1494.7	1449.6	1371.0	1267.4
20°	1498.1	1501.5	1518.2	1521.5	1518.2	1501.5	1498.1	1483.1	1458.0	1429.5	1351.0
22.5°	1494.7	1501.5	1514.8	1513.2	1514.8	1501.5	1494.7	1471.3	1449.6	1429.5	1397.8
25°	1478.0	1478.0	1479.7	1481.4	1479.7	1478.0	1478.0	1459.7	1416.2	1411.2	1392.8
27.5°	1443.0	1446.3	1456.3	1454.6	1456.3	1446.3	1443.0	1436.3	1389.4	1384.4	1371.0
30°	1411.2	1407.8	1399.5	1392.8	1399.5	1407.8	1411.2	1401.2	1354.4	1340.9	1344.3
32.5°	1357.7	1349.3	1340.9	1336.0	1340.9	1349.3	1357.7	1354.4	1319.2	1300.8	1304.2
35°	1294.2	1295.8	1294.2	1289.1	1294.2	1295.8	1294.2	1297.4	1275.7	1259.0	1257.3
37.5°	1249.0	1252.3	1250.7	1244.0	1250.7	1252.3	1249.0	1245.7	1215.5	1210.5	1213.9
40°	1202.2	1203.9	1202.2	1197.2	1202.2	1203.9	1202.2	1195.5	1153.7	1155.4	1167.0
42.5°	1157.0	1155.4	1150.3	1147.0	1150.3	1155.4	1157.0	1147.0	1093.5	1088.5	1110.2
45°	1105.2	1106.9	1096.9	1091.8	1096.9	1106.9	1105.2	1098.6	1043.3	1030.0	1045.0
47.5°	1053.4	1053.4	1045.0	1040.0	1045.0	1053.4	1053.4	1045.0	986.5	973.1	981.5
50°	998.2	996.5	984.8	983.2	984.8	996.5	998.2	993.1	931.3	919.6	919.6
52.5°	934.6	934.6	936.3	939.7	936.3	934.6	934.6	936.3	881.2	869.4	866.1
55°	879.5	881.2	892.9	896.2	892.9	881.2	879.5	879.5	829.3	817.6	811.0
57.5°	822.6	822.6	831.0	831.0	831.0	822.6	822.6	819.2	770.8	760.8	757.4
60°	757.4	760.8	767.5	765.8	767.5	760.8	757.4	754.0	712.2	705.6	693.9
62.5°	688.8	692.2	693.9	690.5	693.9	692.2	688.8	678.9	653.8	648.7	633.7
65°	617.0	620.4	621.9	618.7	621.9	620.4	617.0	612.0	593.6	585.2	571.9
67.5°	543.4	541.7	540.0	546.8	540.0	541.7	543.4	536.7	525.0	518.3	499.9
70°	468.1	468.1	466.5	469.8	466.5	468.1	468.1	463.2	456.5	451.4	434.7
72.5°	387.9	386.2	392.9	387.9	392.9	386.2	387.9	386.2	382.8	377.9	361.1
75°	309.3	312.7	309.3	314.4	309.3	312.7	309.3	311.0	309.3	306.0	294.2
77.5°	235.7	239.1	235.7	235.7	235.7	239.1	235.7	237.4	237.4	237.4	227.4
80°	167.2	165.5	165.5	163.8	165.5	165.5	167.2	167.2	168.8	165.5	162.2
82.5°	107.0	105.3	105.3	108.7	105.3	105.3	107.0	108.7	105.3	105.3	105.3
85°	58.5	60.2	56.8	56.8	56.8	60.2	58.5	55.1	58.5	58.5	56.8
87.5°	21.7	20.1	20.1	20.1	20.1	20.1	21.7	23.4	23.4	23.4	25.1
90°	11.7	11.7	11.7	11.7	11.7	11.7	11.7	15.5	20.7	23.3	20.1
92.5°	58.2	55.9	46.6	37.3	46.6	55.9	58.2	82.5	114.9	131.1	115.1
95°	197.5	190.5	162.5	134.5	162.5	190.5	197.5	259.4	341.8	383.1	323.6
97.5°	456.1	442.7	389.4	336.0	389.4	442.7	456.1	495.2	547.3	573.3	474.0
100°	640.4	624.5	561.0	497.4	561.0	624.5	640.4	637.6	633.7	631.8	521.7
102.5°	797.8	784.2	729.7	675.3	729.7	784.2	797.8	748.0	681.6	648.4	536.7
105°	981.6	974.3	945.0	915.8	945.0	974.3	981.6	869.9	721.0	646.5	538.4
107.5°	1077.1	1078.9	1086.0	1093.1	1086.0	1078.9	1077.1	921.3	713.6	609.8	514.4
110°	1101.6	1109.2	1139.8	1170.3	1139.8	1109.2	1101.6	927.4	695.3	579.2	493.1



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1086.0	1097.8	1144.6	1191.4	1144.6	1097.8	1086.0	907.8	670.2	551.3	474.6
115°	1033.1	1049.3	1114.3	1179.2	1114.3	1049.3	1033.1	861.3	632.4	517.9	453.3
117.5°	959.8	977.8	1049.8	1121.9	1049.8	977.8	959.8	804.8	598.2	494.9	440.0
120°	910.5	928.0	998.0	1067.9	998.0	928.0	910.5	769.0	580.2	485.7	435.5
122.5°	861.2	878.5	947.5	1016.6	947.5	878.5	861.2	733.7	563.7	478.7	433.1
125°	796.0	811.9	875.5	939.0	875.5	811.9	796.0	687.7	543.3	471.1	431.3
127.5°	743.7	757.1	810.7	864.3	810.7	757.1	743.7	650.7	526.7	464.7	430.2
130°	710.6	722.9	772.5	822.0	772.5	722.9	710.6	627.8	517.4	462.2	430.8
132.5°	682.4	693.5	737.8	782.2	737.8	693.5	682.4	608.3	509.4	460.0	431.3
135°	642.6	652.2	690.4	728.6	690.4	652.2	642.6	580.5	497.8	456.4	430.9
137.5°	613.2	621.0	652.3	683.6	652.3	621.0	613.2	560.7	490.7	455.8	433.5
140°	589.5	596.9	626.2	655.4	626.2	596.9	589.5	544.2	483.8	453.6	433.9
142.5°	573.0	579.4	604.5	629.7	604.5	579.4	573.0	533.2	480.2	453.6	435.5
145°	548.2	553.0	572.1	591.1	572.1	553.0	548.2	515.6	472.3	450.5	435.5
147.5°	527.4	531.3	547.2	563.0	547.2	531.3	527.4	501.8	467.6	450.5	438.5
150°	515.4	518.6	531.4	544.3	531.4	518.6	515.4	493.8	465.0	450.5	440.1
152.5°	506.0	508.3	518.0	527.7	518.0	508.3	506.0	487.5	462.9	450.5	441.0
155°	494.6	496.2	502.6	509.0	502.6	496.2	494.6	479.9	460.3	450.5	443.3
157.5°	484.8	485.9	490.4	494.9	490.4	485.9	484.8	473.4	458.1	450.5	445.6
160°	480.0	480.6	483.1	485.7	483.1	480.6	480.0	470.2	457.0	450.5	446.6
162.5°	475.3	475.9	478.4	480.9	478.4	475.9	475.3	467.0	456.1	450.5	447.7
165°	468.3	469.0	471.6	474.1	471.6	469.0	468.3	462.4	454.5	450.5	449.2
167.5°	465.2	465.5	466.6	467.7	466.6	465.5	465.2	461.4	456.2	453.6	452.5
170°	465.2	465.2	465.2	465.2	465.2	465.2	465.2	461.4	456.2	453.6	453.5
172.5°	462.8	462.6	461.6	460.6	461.6	462.6	462.8	459.7	455.7	453.6	453.6
175°	459.4	459.4	459.4	459.4	459.4	459.4	459.4	457.4	454.9	453.6	454.2
177.5°	458.8	458.5	457.4	456.4	457.4	458.5	458.8	457.2	455.2	454.2	454.7
180°	456.4	456.4	456.4	456.4	456.4	456.4	456.4	456.4	456.4	456.4	456.4



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1767.3	1767.3	1767.3	1767.3	1767.3
2.5°	1745.6	1753.9	1758.9	1765.7	1782.4
5°	1678.7	1710.4	1720.5	1745.6	1775.6
7.5°	1531.6	1628.5	1655.3	1715.5	1762.3
10°	1389.4	1486.4	1533.3	1675.4	1745.6
12.5°	1317.5	1374.4	1406.1	1605.1	1722.2
15°	1272.4	1312.6	1336.0	1511.5	1695.4
17.5°	1237.3	1265.7	1282.4	1419.6	1658.7
20°	1215.5	1229.0	1244.0	1352.7	1616.9
22.5°	1200.5	1192.1	1203.9	1305.8	1560.0
25°	1190.4	1158.7	1172.1	1269.1	1493.1
27.5°	1198.8	1128.6	1133.6	1235.6	1422.9
30°	1200.5	1091.8	1093.5	1200.5	1344.3
32.5°	1188.8	1053.4	1055.1	1157.0	1255.6
35°	1160.4	1008.3	1006.6	1106.9	1135.3
37.5°	1121.9	959.7	959.7	1051.7	1003.2
40°	1075.1	911.2	916.3	979.8	886.1
42.5°	1018.2	859.5	866.1	884.5	799.2
45°	956.4	809.3	814.3	747.4	732.3
47.5°	887.8	757.4	759.1	620.4	710.6
50°	805.9	704.0	697.2	531.7	708.9
52.5°	734.0	645.4	625.3	481.6	643.7
55°	663.8	583.5	540.0	443.1	596.9
57.5°	601.9	503.3	461.5	398.0	586.9
60°	545.1	424.6	392.9	349.5	538.4
62.5°	498.2	366.2	359.4	316.0	488.3
65°	448.1	326.0	324.4	287.6	414.7
67.5°	399.6	299.3	297.6	260.8	316.0
70°	347.8	270.9	267.6	232.4	234.1
72.5°	294.2	239.1	235.7	209.0	193.9
75°	240.8	202.3	200.7	182.3	157.2
77.5°	188.9	160.6	163.8	147.1	115.4
80°	135.5	117.1	120.3	105.3	86.9
82.5°	90.3	76.9	80.2	66.9	58.5
85°	50.2	43.5	45.2	35.1	26.8
87.5°	23.4	20.1	20.1	13.3	8.4
90°	13.5	8.6	8.0	5.5	3.1
92.5°	83.1	59.1	53.8	33.1	12.3
95°	204.5	115.2	105.7	67.6	29.4
97.5°	275.5	126.5	118.1	84.5	50.9
100°	301.2	135.9	128.3	97.8	67.4
102.5°	313.1	145.4	138.3	110.0	81.5
105°	321.9	159.6	153.5	129.4	105.3
107.5°	323.6	180.4	174.8	152.3	129.8
110°	321.1	192.1	187.0	166.7	146.4



TEST NUMBER: P934918

CATALOG NUMBER: SQ4-FA-075U-125D-840-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	321.2	206.1	201.3	182.0	162.6
115°	324.2	227.2	222.8	204.9	187.1
117.5°	330.2	247.8	243.7	227.5	211.3
120°	335.0	259.7	255.9	240.7	225.5
122.5°	342.0	273.8	269.9	254.6	239.2
125°	351.6	291.9	288.4	274.4	260.3
127.5°	361.1	309.3	305.8	291.7	277.5
130°	368.0	321.0	317.1	301.9	286.7
132.5°	373.7	330.5	326.6	311.4	296.2
135°	379.8	341.5	338.0	324.1	310.2
137.5°	389.0	355.6	352.1	338.4	324.7
140°	394.6	365.1	361.9	349.3	336.6
142.5°	399.3	372.1	369.1	357.5	345.8
145°	405.4	382.8	380.3	370.1	359.8
147.5°	414.4	396.3	393.8	383.8	374.0
150°	419.1	403.4	401.1	392.1	383.1
152.5°	422.2	407.9	406.3	399.4	392.6
155°	428.9	418.0	416.7	411.8	406.8
157.5°	435.6	428.2	427.0	422.1	417.1
160°	438.7	432.7	431.8	428.0	424.1
162.5°	441.9	437.7	437.0	434.1	431.3
165°	446.7	444.7	444.0	441.4	438.9
167.5°	450.3	448.7	448.4	447.1	445.9
170°	453.4	453.3	453.0	451.7	450.5
172.5°	453.6	453.6	453.5	453.3	453.0
175°	455.5	456.4	456.4	456.4	456.4
177.5°	455.7	456.4	456.4	456.4	456.4
180°	456.4	456.4	456.4	456.4	456.4



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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	15.45	16.42	16.31	17.30	18.41	18.25	19.22	19.11	20.10	21.21
	3H	15.94	16.80	16.81	17.69	18.83	19.59	20.46	20.46	21.35	22.48
	4H	16.13	16.95	17.02	17.85	18.99	20.04	20.85	20.92	21.75	22.90
	6H	16.26	17.01	17.16	17.92	19.07	20.32	21.07	21.22	21.98	23.13
	8H	16.26	16.98	17.17	17.90	19.06	20.39	21.11	21.30	22.03	23.19
	12H	16.24	16.92	17.15	17.84	19.02	20.43	21.11	21.34	22.03	23.21
4H	2H	16.49	17.31	17.38	18.21	19.35	18.67	19.49	19.56	20.39	21.53
	3H	17.53	18.21	18.43	19.14	20.30	20.18	20.86	21.08	21.79	22.95
	4H	17.81	18.43	18.72	19.35	20.54	20.70	21.33	21.62	22.25	23.44
	6H	17.94	18.48	18.87	19.42	20.61	21.07	21.60	22.00	22.55	23.74
	8H	17.95	18.45	18.88	19.39	20.59	21.17	21.67	22.10	22.62	23.82
	12H	17.92	18.37	18.87	19.33	20.54	21.23	21.68	22.18	22.64	23.85
8H	4H	18.26	18.77	19.20	19.71	20.91	20.84	21.34	21.77	22.28	23.48
	6H	18.53	18.94	19.49	19.93	21.13	21.27	21.69	22.23	22.67	23.87
	8H	18.57	18.94	19.54	19.91	21.13	21.42	21.79	22.39	22.76	23.98
	12H	18.56	18.89	19.53	19.85	21.12	21.52	21.84	22.49	22.81	24.07
12H	4H	18.27	18.73	19.22	19.69	20.89	20.81	21.26	21.76	22.22	23.43
	6H	18.59	18.96	19.56	19.93	21.15	21.27	21.64	22.24	22.61	23.83
	8H	18.66	18.98	19.63	19.95	21.22	21.43	21.75	22.40	22.72	23.99