

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: P935221

Luminaire Tested: SQ4-FA-100U-100D-927-1D-UNV-STD-W-12

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935221
REPORT IS A COMBINATION OF REPORTS P933745 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-100U-100D-927-1D-UNV-STD-W-12
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

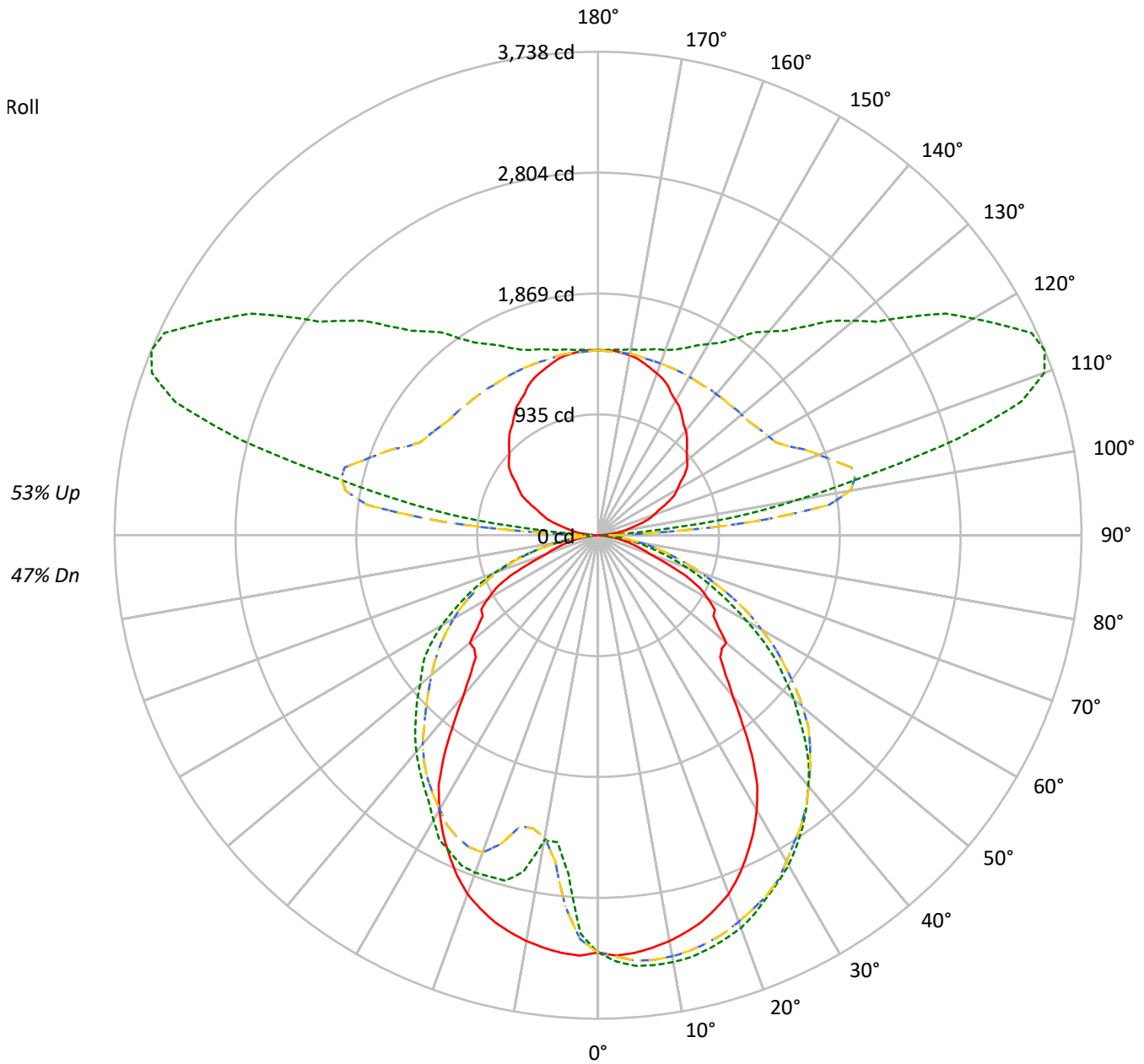
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17650.7 lumens
Efficiency: N/A
Efficacy: 101.4 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 12' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 174
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

TEST NUMBER: P935221
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Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° - - - 90°-270° - - - 135°-315°



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	107	107	107	107	98	98	98	98	82	82	82	67	67	67	54	54	54	47	47	47	47
1	97	93	89	86	89	86	82	79	72	70	67	59	58	56	48	47	46	40	40	40	40
2	89	81	75	70	81	75	70	65	63	59	56	52	49	47	42	40	38	34	34	34	34
3	81	71	64	58	74	66	60	54	56	51	47	46	43	40	37	35	33	28	28	28	28
4	74	63	55	49	68	58	51	46	49	44	40	41	37	34	33	30	28	24	24	24	24
5	68	56	48	42	62	52	45	39	44	39	34	37	33	29	30	27	24	21	21	21	21
6	62	50	42	36	57	47	39	34	40	34	30	33	29	26	27	24	21	19	19	19	19
7	58	45	37	32	53	42	35	30	36	30	26	30	26	23	25	21	19	16	16	16	16
8	53	41	33	28	49	38	31	27	33	27	23	28	23	20	23	19	17	15	15	15	15
9	50	38	30	25	46	35	28	24	30	25	21	25	21	18	21	18	15	13	13	13	13
10	46	34	27	22	43	32	26	21	28	22	19	23	19	16	19	16	14	12	12	12	12

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	9978	9978	9978	9978
5°	10057	10073	10057	7920
10°	9993	9922	9993	7094
15°	9888	9707	9888	8105
20°	9685	9453	9685	8123
25°	9266	9081	9266	7950
30°	8722	8773	8722	7573
35°	7780	8383	7780	7157
40°	6486	7923	6486	6844
45°	5799	7386	5799	6483
50°	6166	6745	6166	6120
55°	5807	6054	5807	5911
60°	5993	5142	5993	5414
65°	5442	4250	5442	4752
70°	3778	3387	3778	3983
75°	3325	2504	3325	2999
80°	2699	1656	2699	1803
85°	1581	876	1581	745

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 8882 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	291.2	1.6
10°-20°	826.8	4.7
20°-30°	1278.1	7.2
30°-40°	1525.8	8.6
40°-50°	1534.7	8.7
50°-60°	1335.4	7.6
60°-70°	946.8	5.4
70°-80°	500.9	2.8
80°-90°	130.2	0.7
90°-100°	697.8	4.0
100°-110°	1834.7	10.4
110°-120°	1902.4	10.8
120°-130°	1525.9	8.6
130°-140°	1197.3	6.8
140°-150°	919.0	5.2
150°-160°	661.8	3.7
160°-170°	404.9	2.3
170°-180°	136.8	0.8
0°-30°	2396.1	13.6
0°-40°	3921.9	22.2
0°-60°	6792.0	38.5
0°-90°	8370.0	47.4
90°-120°	4434.9	25.1
90°-150°	8077.2	45.8
90°-180°	9281.0	52.6
0°-180°	17650.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3226	3226	3226	3226	3226	
5°	3241	3342	3241	2628	3241	307
15°	3095	3312	3095	2765	3095	871
25°	2726	3089	2726	2704	2726	1251
35°	2072	2756	2072	2353	2072	1282
45°	1337	2271	1337	1993	1337	1071
55°	1090	1676	1090	1636	1090	1001
65°	757	1010	757	1129	757	723
75°	287	479	287	574	287	302
85°	49	122	49	104	49	66
90°	10	36	10	36	10	10
95°	92	422	92	422	92	102
105°	331	2873	331	2873	331	350
115°	587	3699	587	3699	587	580
125°	817	2946	817	2946	817	725
135°	973	2286	973	2286	973	753
145°	1129	1854	1129	1854	1129	707
155°	1276	1597	1276	1597	1276	586
165°	1377	1487	1377	1487	1377	389
175°	1432	1441	1432	1441	1432	136
180°	1432	1432	1432	1432	1432	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	3226.0	3226.0	3226.0	3226.0	3226.0	3226.0	3226.0	3226.0	3226.0	3226.0	3226.0
2.5°	3253.5	3253.5	3271.8	3277.9	3277.9	3268.7	3259.6	3268.7	3296.2	3305.4	3302.3
5°	3241.3	3265.7	3299.3	3305.4	3311.5	3308.5	3302.3	3308.5	3339.0	3345.0	3348.1
7.5°	3216.8	3262.6	3305.4	3314.5	3323.7	3314.5	3311.5	3317.6	3348.1	3354.2	3354.2
10°	3186.3	3250.5	3299.3	3305.4	3314.5	3305.4	3305.4	3317.6	3348.1	3354.2	3357.3
12.5°	3143.6	3232.2	3277.9	3284.0	3296.2	3293.1	3290.1	3302.3	3332.9	3339.0	3339.0
15°	3094.8	3198.6	3241.3	3247.4	3268.7	3262.6	3262.6	3274.9	3308.5	3317.6	3314.5
17.5°	3027.6	3155.8	3204.7	3213.8	3229.1	3226.0	3229.1	3241.3	3271.8	3277.9	3281.0
20°	2951.3	3097.9	3155.8	3165.0	3180.3	3180.3	3180.3	3195.5	3226.0	3238.2	3238.2
22.5°	2847.5	3036.8	3097.9	3103.9	3122.3	3122.3	3128.4	3149.7	3177.2	3180.3	3180.3
25°	2725.5	2969.7	3021.6	3039.9	3058.1	3067.3	3076.5	3088.7	3097.9	3094.8	3097.9
27.5°	2597.3	2884.2	2951.3	2963.6	2988.0	2997.1	3009.3	3012.4	3015.4	3024.6	3018.5
30°	2453.8	2765.1	2865.9	2878.1	2917.8	2923.8	2911.7	2917.8	2933.0	2939.2	2945.2
32.5°	2292.1	2588.1	2777.4	2804.8	2841.5	2823.1	2820.1	2829.3	2853.7	2853.7	2859.8
35°	2072.4	2450.8	2695.0	2719.4	2746.8	2725.5	2737.7	2740.7	2756.0	2765.1	2762.1
37.5°	1831.2	2331.8	2609.5	2627.9	2649.2	2621.7	2640.0	2649.2	2661.4	2655.3	2655.3
40°	1617.6	2145.6	2508.8	2521.0	2539.3	2518.0	2536.2	2542.4	2548.5	2542.4	2539.3
42.5°	1458.9	1941.1	2401.9	2417.3	2405.0	2420.3	2426.3	2438.6	2429.4	2417.3	2417.3
45°	1336.8	1886.2	2286.0	2304.3	2286.0	2310.4	2319.5	2319.5	2292.1	2286.0	2283.0
47.5°	1297.1	1776.3	2170.0	2170.0	2160.9	2191.3	2206.7	2185.3	2157.8	2148.7	2148.7
50°	1294.1	1654.2	2011.3	1999.1	2041.8	2078.5	2063.2	2041.8	2020.5	1986.9	1986.9
52.5°	1175.0	1504.7	1806.8	1852.6	1919.8	1941.1	1916.7	1895.4	1858.7	1843.5	1831.2
55°	1089.6	1349.0	1620.6	1712.2	1782.4	1809.9	1764.1	1742.7	1687.8	1678.6	1672.5
57.5°	1071.3	1123.1	1449.8	1565.7	1651.2	1648.1	1620.6	1581.0	1535.1	1526.1	1523.0
60°	982.8	811.8	1266.6	1403.9	1492.5	1483.3	1458.9	1422.3	1379.5	1373.4	1367.3
62.5°	891.2	589.1	1059.1	1214.8	1339.9	1336.8	1315.5	1260.5	1230.0	1214.8	1202.5
65°	756.9	494.4	753.8	1010.2	1190.3	1196.4	1150.6	1111.0	1077.4	1059.1	1056.0
67.5°	576.8	402.9	509.7	842.4	1046.9	1040.7	982.8	964.4	921.7	912.5	894.3
70°	427.3	268.6	354.0	683.7	906.4	891.2	845.4	824.1	784.4	763.0	750.8
72.5°	354.0	216.7	259.4	531.1	763.0	744.7	705.0	680.6	647.0	628.7	616.5
75°	286.9	228.9	198.4	393.7	619.5	607.4	570.7	546.3	518.8	494.4	497.5
77.5°	210.6	213.7	158.7	290.0	491.4	473.1	451.7	421.2	408.9	384.5	384.5
80°	158.7	167.9	119.0	198.4	354.0	354.0	335.7	314.4	293.0	280.8	280.8
82.5°	106.8	106.8	88.5	125.1	241.1	231.9	219.8	213.7	201.4	195.3	195.3
85°	48.8	61.1	54.9	76.3	131.2	137.4	137.4	131.2	128.2	122.0	125.1
87.5°	15.2	27.5	33.6	42.7	67.1	70.2	73.2	73.2	73.2	76.3	76.3
90°	9.6	17.3	24.9	26.9	42.3	62.8	73.0	64.9	48.7	36.5	36.5
92.5°	38.4	103.7	169.1	185.4	260.7	361.1	411.3	360.4	258.8	182.6	175.3
95°	92.2	211.8	331.4	361.3	641.5	1015.2	1202.0	1072.6	813.8	619.7	597.7
97.5°	159.5	265.0	370.4	396.9	864.1	1487.1	1798.6	1716.9	1553.3	1430.7	1388.8
100°	211.4	307.0	402.6	426.6	945.1	1636.5	1982.2	1988.2	2000.2	2009.1	1959.3
102.5°	255.6	344.8	434.0	456.4	982.3	1683.5	2034.1	2138.3	2346.7	2503.0	2460.2
105°	330.6	406.1	481.7	500.6	1009.9	1688.8	2028.3	2262.0	2729.1	3079.5	3056.5
107.5°	407.4	477.9	548.3	566.0	1014.9	1613.6	1913.0	2238.9	2890.5	3379.2	3384.8
110°	459.3	522.9	586.5	602.4	1007.2	1547.0	1816.9	2181.2	2909.7	3456.1	3480.0



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	510.2	570.9	631.5	646.6	1007.6	1488.9	1729.5	2102.3	2847.9	3407.1	3443.8
115°	587.0	643.0	698.9	712.9	1016.9	1422.1	1624.8	1983.9	2702.2	3240.9	3291.8
117.5°	663.0	713.8	764.6	777.3	1035.8	1380.4	1552.7	1876.8	2525.1	3011.2	3067.7
120°	707.2	755.0	802.9	814.8	1051.2	1366.4	1523.9	1820.0	2412.3	2856.5	2911.4
122.5°	750.4	798.7	846.9	859.0	1073.3	1359.0	1501.8	1768.5	2301.8	2701.9	2756.0
125°	816.7	860.7	904.7	915.7	1103.0	1352.9	1477.8	1704.3	2157.4	2497.2	2547.0
127.5°	870.5	914.9	959.3	970.4	1132.8	1349.3	1457.6	1652.1	2041.1	2332.9	2374.9
130°	899.4	947.2	995.0	1006.9	1154.6	1351.5	1449.9	1623.1	1969.4	2229.2	2268.0
132.5°	929.2	977.0	1024.8	1036.7	1172.2	1352.8	1443.1	1598.1	1908.2	2140.8	2175.6
135°	973.4	1016.9	1060.4	1071.3	1191.4	1351.6	1431.7	1561.5	1821.0	2015.8	2045.8
137.5°	1018.5	1061.6	1104.7	1115.5	1220.2	1359.9	1429.7	1539.5	1759.0	1923.6	1948.2
140°	1056.0	1095.7	1135.4	1145.3	1237.9	1361.3	1423.0	1517.7	1707.4	1849.6	1872.6
142.5°	1084.8	1121.5	1158.2	1167.4	1252.6	1366.1	1423.0	1506.3	1672.8	1797.7	1817.4
145°	1129.0	1161.0	1193.0	1201.0	1271.8	1366.2	1413.4	1481.5	1617.7	1719.9	1734.8
147.5°	1173.2	1204.4	1235.5	1243.3	1300.0	1375.6	1413.4	1467.0	1574.2	1654.6	1667.0
150°	1202.0	1230.2	1258.3	1265.4	1314.8	1380.5	1413.4	1458.7	1549.2	1617.1	1627.1
152.5°	1231.8	1253.1	1274.5	1279.8	1324.3	1383.7	1413.4	1452.1	1529.3	1587.3	1594.8
155°	1276.0	1291.8	1307.6	1311.5	1345.5	1390.8	1413.4	1444.1	1505.6	1551.7	1556.7
157.5°	1308.6	1324.0	1339.4	1343.3	1366.7	1397.9	1413.4	1437.3	1485.1	1521.0	1524.5
160°	1330.7	1342.7	1354.7	1357.7	1376.2	1401.0	1413.4	1433.9	1474.9	1505.6	1507.6
162.5°	1352.8	1361.7	1370.8	1373.0	1386.5	1404.4	1413.4	1430.7	1465.2	1491.2	1493.1
165°	1376.8	1384.9	1393.1	1395.1	1401.2	1409.3	1413.4	1425.8	1450.5	1469.1	1471.1
167.5°	1398.9	1402.8	1406.6	1407.6	1412.7	1419.6	1423.0	1431.1	1447.4	1459.5	1460.4
170°	1413.4	1417.3	1421.1	1422.0	1422.3	1422.7	1423.0	1431.1	1447.4	1459.5	1459.5
172.5°	1421.0	1421.9	1422.7	1423.0	1423.0	1423.0	1423.0	1429.4	1442.2	1451.8	1451.1
175°	1431.7	1431.7	1431.7	1431.7	1428.7	1424.9	1423.0	1427.0	1435.1	1441.2	1441.2
177.5°	1431.7	1431.7	1431.7	1431.7	1429.4	1426.4	1424.9	1428.1	1434.5	1439.3	1438.4
180°	1431.7	1431.7	1431.7	1431.7	1431.7	1431.7	1431.7	1431.7	1431.7	1431.7	1431.7



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	3226.0	3226.0	3226.0	3226.0	3226.0	3226.0	3226.0	3226.0	3226.0	3226.0	3226.0
2.5°	3308.5	3299.3	3308.5	3302.3	3305.4	3296.2	3268.7	3259.6	3268.7	3277.9	3277.9
5°	3348.1	3342.0	3348.1	3348.1	3345.0	3339.0	3308.5	3302.3	3308.5	3311.5	3305.4
7.5°	3360.3	3351.2	3360.3	3354.2	3354.2	3348.1	3317.6	3311.5	3314.5	3323.7	3314.5
10°	3360.3	3351.2	3360.3	3357.3	3354.2	3348.1	3317.6	3305.4	3305.4	3314.5	3305.4
12.5°	3345.0	3339.0	3345.0	3339.0	3339.0	3332.9	3302.3	3290.1	3293.1	3296.2	3284.0
15°	3320.6	3311.5	3320.6	3314.5	3317.6	3308.5	3274.9	3262.6	3262.6	3268.7	3247.4
17.5°	3284.0	3271.8	3284.0	3281.0	3277.9	3271.8	3241.3	3229.1	3226.0	3229.1	3213.8
20°	3241.3	3232.2	3241.3	3238.2	3238.2	3226.0	3195.5	3180.3	3180.3	3180.3	3165.0
22.5°	3174.2	3165.0	3174.2	3180.3	3180.3	3177.2	3149.7	3128.4	3122.3	3122.3	3103.9
25°	3097.9	3088.7	3097.9	3097.9	3094.8	3097.9	3088.7	3076.5	3067.3	3058.1	3039.9
27.5°	3024.6	3018.5	3024.6	3018.5	3024.6	3015.4	3012.4	3009.3	2997.1	2988.0	2963.6
30°	2951.3	2945.2	2951.3	2945.2	2939.2	2933.0	2917.8	2911.7	2923.8	2917.8	2878.1
32.5°	2859.8	2853.7	2859.8	2859.8	2853.7	2853.7	2829.3	2820.1	2823.1	2841.5	2804.8
35°	2765.1	2756.0	2765.1	2762.1	2765.1	2756.0	2740.7	2737.7	2725.5	2746.8	2719.4
37.5°	2655.3	2646.1	2655.3	2655.3	2655.3	2661.4	2649.2	2640.0	2621.7	2649.2	2627.9
40°	2542.4	2530.1	2542.4	2539.3	2542.4	2548.5	2542.4	2536.2	2518.0	2539.3	2521.0
42.5°	2414.2	2411.1	2414.2	2417.3	2417.3	2429.4	2438.6	2426.3	2420.3	2405.0	2417.3
45°	2276.8	2270.7	2276.8	2283.0	2286.0	2292.1	2319.5	2319.5	2310.4	2286.0	2304.3
47.5°	2130.4	2115.1	2130.4	2148.7	2148.7	2157.8	2185.3	2206.7	2191.3	2160.9	2170.0
50°	1974.7	1977.7	1974.7	1986.9	1986.9	2020.5	2041.8	2063.2	2078.5	2041.8	1999.1
52.5°	1822.1	1819.0	1822.1	1831.2	1843.5	1858.7	1895.4	1916.7	1941.1	1919.8	1852.6
55°	1669.4	1675.6	1669.4	1672.5	1678.6	1687.8	1742.7	1764.1	1809.9	1782.4	1712.2
57.5°	1516.9	1507.7	1516.9	1523.0	1526.1	1535.1	1581.0	1620.6	1648.1	1651.2	1565.7
60°	1339.9	1327.6	1339.9	1367.3	1373.4	1379.5	1422.3	1458.9	1483.3	1492.5	1403.9
62.5°	1184.2	1162.9	1184.2	1202.5	1214.8	1230.0	1260.5	1315.5	1336.8	1339.9	1214.8
65°	1019.4	1010.2	1019.4	1056.0	1059.1	1077.4	1111.0	1150.6	1196.4	1190.3	1010.2
67.5°	869.9	869.9	869.9	894.3	912.5	921.7	964.4	982.8	1040.7	1046.9	842.4
70°	732.5	729.4	732.5	750.8	763.0	784.4	824.1	845.4	891.2	906.4	683.7
72.5°	601.3	598.2	601.3	616.5	628.7	647.0	680.6	705.0	744.7	763.0	531.1
75°	485.3	479.2	485.3	497.5	494.4	518.8	546.3	570.7	607.4	619.5	393.7
77.5°	372.4	372.4	372.4	384.5	384.5	408.9	421.2	451.7	473.1	491.4	290.0
80°	277.7	274.7	277.7	280.8	280.8	293.0	314.4	335.7	354.0	354.0	198.4
82.5°	195.3	189.2	195.3	195.3	195.3	201.4	213.7	219.8	231.9	241.1	125.1
85°	122.0	122.0	122.0	125.1	122.0	128.2	131.2	137.4	137.4	131.2	76.3
87.5°	79.4	76.3	79.4	76.3	76.3	73.2	73.2	73.2	70.2	67.1	42.7
90°	36.5	36.5	36.5	36.5	36.5	48.7	64.9	73.0	62.8	42.3	26.9
92.5°	146.2	117.2	146.2	175.3	182.6	258.8	360.4	411.3	361.1	260.7	185.4
95°	509.7	421.8	509.7	597.7	619.7	813.8	1072.6	1202.0	1015.2	641.5	361.3
97.5°	1221.5	1054.1	1221.5	1388.8	1430.7	1553.3	1716.9	1798.6	1487.1	864.1	396.9
100°	1759.8	1560.4	1759.8	1959.3	2009.1	2000.2	1988.2	1982.2	1636.5	945.1	426.6
102.5°	2289.4	2118.7	2289.4	2460.2	2503.0	2346.7	2138.3	2034.1	1683.5	982.3	456.4
105°	2964.7	2872.9	2964.7	3056.5	3079.5	2729.1	2262.0	2028.3	1688.8	1009.9	500.6
107.5°	3407.0	3429.2	3407.0	3384.8	3379.2	2890.5	2238.9	1913.0	1613.6	1014.9	566.0
110°	3575.6	3671.4	3575.6	3480.0	3456.1	2909.7	2181.2	1816.9	1547.0	1007.2	602.4



TEST NUMBER: P935221

CATALOG NUMBER: SQ4-FA-100U-100D-927-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3590.7	3737.7	3590.7	3443.8	3407.1	2847.9	2102.3	1729.5	1488.9	1007.6	646.6
115°	3495.5	3699.2	3495.5	3291.8	3240.9	2702.2	1983.9	1624.8	1422.1	1016.9	712.9
117.5°	3293.6	3519.5	3293.6	3067.7	3011.2	2525.1	1876.8	1552.7	1380.4	1035.8	777.3
120°	3130.9	3350.4	3130.9	2911.4	2856.5	2412.3	1820.0	1523.9	1366.4	1051.2	814.8
122.5°	2972.4	3189.0	2972.4	2756.0	2701.9	2301.8	1768.5	1501.8	1359.0	1073.3	859.0
125°	2746.4	2945.9	2746.4	2547.0	2497.2	2157.4	1704.3	1477.8	1352.9	1103.0	915.7
127.5°	2543.2	2711.5	2543.2	2374.9	2332.9	2041.1	1652.1	1457.6	1349.3	1132.8	970.4
130°	2423.4	2578.9	2423.4	2268.0	2229.2	1969.4	1623.1	1449.9	1351.5	1154.6	1006.9
132.5°	2314.8	2454.0	2314.8	2175.6	2140.8	1908.2	1598.1	1443.1	1352.8	1172.2	1036.7
135°	2165.8	2285.8	2165.8	2045.8	2015.8	1821.0	1561.5	1431.7	1351.6	1191.4	1071.3
137.5°	2046.4	2144.6	2046.4	1948.2	1923.6	1759.0	1539.5	1429.7	1359.9	1220.2	1115.5
140°	1964.4	2056.2	1964.4	1872.6	1849.6	1707.4	1517.7	1423.0	1361.3	1237.9	1145.3
142.5°	1896.4	1975.4	1896.4	1817.4	1797.7	1672.8	1506.3	1423.0	1366.1	1252.6	1167.4
145°	1794.6	1854.4	1794.6	1734.8	1719.9	1617.7	1481.5	1413.4	1366.2	1271.8	1201.0
147.5°	1716.5	1766.0	1716.5	1667.0	1654.6	1574.2	1467.0	1413.4	1375.6	1300.0	1243.3
150°	1667.3	1707.4	1667.3	1627.1	1617.1	1549.2	1458.7	1413.4	1380.5	1314.8	1265.4
152.5°	1625.2	1655.5	1625.2	1594.8	1587.3	1529.3	1452.1	1413.4	1383.7	1324.3	1279.8
155°	1576.8	1596.9	1576.8	1556.7	1551.7	1505.6	1444.1	1413.4	1390.8	1345.5	1311.5
157.5°	1538.6	1552.7	1538.6	1524.5	1521.0	1485.1	1437.3	1413.4	1397.9	1366.7	1343.3
160°	1515.7	1523.9	1515.7	1507.6	1505.6	1474.9	1433.9	1413.4	1401.0	1376.2	1357.7
162.5°	1500.8	1508.5	1500.8	1493.1	1491.2	1465.2	1430.7	1413.4	1404.4	1386.5	1373.0
165°	1479.2	1487.3	1479.2	1471.1	1469.1	1450.5	1425.8	1413.4	1409.3	1401.2	1395.1
167.5°	1463.8	1467.2	1463.8	1460.4	1459.5	1447.4	1431.1	1423.0	1419.6	1412.7	1407.6
170°	1459.5	1459.5	1459.5	1459.5	1459.5	1447.4	1431.1	1423.0	1422.7	1422.3	1422.0
172.5°	1448.1	1445.1	1448.1	1451.1	1451.8	1442.2	1429.4	1423.0	1423.0	1423.0	1423.0
175°	1441.2	1441.2	1441.2	1441.2	1441.2	1435.1	1427.0	1423.0	1424.9	1428.7	1431.7
177.5°	1435.0	1431.7	1435.0	1438.4	1439.3	1434.5	1428.1	1424.9	1426.4	1429.4	1431.7
180°	1431.7	1431.7	1431.7	1431.7	1431.7	1431.7	1431.7	1431.7	1431.7	1431.7	1431.7



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	3226.0	3226.0	3226.0	3226.0	3226.0	3226.0	3226.0	3226.0	3226.0	3226.0	3226.0
2.5°	3271.8	3253.5	3253.5	3223.0	3210.7	3201.6	3186.3	3140.6	3128.4	3116.1	3134.4
5°	3299.3	3265.7	3241.3	3186.3	3140.6	3122.3	3064.3	2954.4	2881.1	2826.2	2795.7
7.5°	3305.4	3262.6	3216.8	3131.4	3021.6	2972.7	2795.7	2594.3	2539.3	2490.5	2459.9
10°	3299.3	3250.5	3186.3	3058.1	2798.7	2713.2	2536.2	2405.0	2371.4	2362.3	2371.4
12.5°	3277.9	3232.2	3143.6	2930.0	2566.8	2508.8	2405.0	2328.7	2322.6	2337.9	2420.3
15°	3241.3	3198.6	3094.8	2759.1	2438.6	2395.9	2322.6	2295.1	2328.7	2435.5	2682.8
17.5°	3204.7	3155.8	3027.6	2591.2	2341.0	2310.4	2258.5	2313.5	2502.7	2646.1	2728.6
20°	3155.8	3097.9	2951.3	2469.1	2270.7	2243.2	2218.8	2466.1	2609.5	2661.4	2707.2
22.5°	3097.9	3036.8	2847.5	2383.7	2197.5	2176.1	2191.3	2551.5	2609.5	2646.1	2685.8
25°	3021.6	2969.7	2725.5	2316.5	2139.5	2115.1	2173.1	2542.4	2576.0	2585.1	2664.4
27.5°	2951.3	2884.2	2597.3	2255.5	2069.3	2060.1	2188.3	2502.7	2527.1	2536.2	2621.7
30°	2865.9	2765.1	2453.8	2191.3	1996.1	1993.0	2191.3	2453.8	2447.8	2472.2	2557.6
32.5°	2777.4	2588.1	2292.1	2112.0	1925.8	1922.8	2170.0	2380.6	2374.5	2408.1	2472.2
35°	2695.0	2450.8	2072.4	2020.5	1837.4	1840.4	2118.1	2295.1	2298.2	2328.7	2368.4
37.5°	2609.5	2331.8	1831.2	1919.8	1751.9	1751.9	2047.9	2215.8	2209.7	2218.8	2273.8
40°	2508.8	2145.6	1617.6	1788.5	1672.5	1663.4	1962.5	2130.4	2109.0	2106.0	2182.3
42.5°	2401.9	1941.1	1458.9	1614.5	1581.0	1568.7	1858.7	2026.6	1986.9	1996.1	2093.7
45°	2286.0	1886.2	1336.8	1364.3	1486.3	1477.2	1745.7	1907.5	1880.0	1904.5	2005.2
47.5°	2170.0	1776.3	1297.1	1132.3	1385.6	1382.6	1620.6	1791.6	1776.3	1800.7	1907.5
50°	2011.3	1654.2	1294.1	970.6	1272.7	1284.9	1471.1	1678.6	1678.6	1700.0	1812.9
52.5°	1806.8	1504.7	1175.0	879.0	1141.4	1178.1	1339.9	1581.0	1587.0	1608.5	1709.2
55°	1620.6	1349.0	1089.6	808.8	985.8	1065.1	1211.7	1480.2	1492.5	1513.8	1605.4
57.5°	1449.8	1123.1	1071.3	726.4	842.4	918.7	1098.7	1382.6	1388.7	1407.0	1495.5
60°	1266.6	811.8	982.8	637.9	717.3	775.2	995.0	1266.6	1288.0	1300.1	1376.5
62.5°	1059.1	589.1	891.2	576.8	656.2	668.4	909.5	1156.7	1184.2	1193.3	1239.2
65°	753.8	494.4	756.9	525.0	592.1	595.1	818.0	1043.8	1068.2	1083.5	1117.0
67.5°	509.7	402.9	576.8	476.1	543.2	546.3	729.4	912.5	946.1	958.3	979.7
70°	354.0	268.6	427.3	424.3	488.3	494.4	634.9	793.6	824.1	833.2	845.4
72.5°	259.4	216.7	354.0	381.5	430.4	436.4	537.2	659.3	689.8	698.9	705.0
75°	198.4	228.9	286.9	332.6	366.2	369.3	439.5	537.2	558.6	564.6	567.6
77.5°	158.7	213.7	210.6	268.6	299.1	293.0	344.9	415.1	433.4	433.4	433.4
80°	119.0	167.9	158.7	192.3	219.8	213.7	247.2	296.1	302.1	308.2	305.2
82.5°	88.5	106.8	106.8	122.0	146.5	140.4	164.8	192.3	192.3	192.3	198.4
85°	54.9	61.1	48.8	64.1	82.4	79.4	91.6	103.8	106.8	106.8	100.7
87.5°	33.6	27.5	15.2	24.4	36.7	36.7	42.7	45.8	42.7	42.7	42.7
90°	24.9	17.3	9.6	17.3	24.9	26.9	42.3	62.8	73.0	64.9	48.7
92.5°	169.1	103.7	38.4	103.7	169.1	185.4	260.7	361.1	411.3	360.4	258.8
95°	331.4	211.8	92.2	211.8	331.4	361.3	641.5	1015.2	1202.0	1072.6	813.8
97.5°	370.4	265.0	159.5	265.0	370.4	396.9	864.1	1487.1	1798.6	1716.9	1553.3
100°	402.6	307.0	211.4	307.0	402.6	426.6	945.1	1636.5	1982.2	1988.2	2000.2
102.5°	434.0	344.8	255.6	344.8	434.0	456.4	982.3	1683.5	2034.1	2138.3	2346.7
105°	481.7	406.1	330.6	406.1	481.7	500.6	1009.9	1688.8	2028.3	2262.0	2729.1
107.5°	548.3	477.9	407.4	477.9	548.3	566.0	1014.9	1613.6	1913.0	2238.9	2890.5
110°	586.5	522.9	459.3	522.9	586.5	602.4	1007.2	1547.0	1816.9	2181.2	2909.7



TEST NUMBER: P935221

CATALOG NUMBER: SQ4-FA-100U-100D-927-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	631.5	570.9	510.2	570.9	631.5	646.6	1007.6	1488.9	1729.5	2102.3	2847.9
115°	698.9	643.0	587.0	643.0	698.9	712.9	1016.9	1422.1	1624.8	1983.9	2702.2
117.5°	764.6	713.8	663.0	713.8	764.6	777.3	1035.8	1380.4	1552.7	1876.8	2525.1
120°	802.9	755.0	707.2	755.0	802.9	814.8	1051.2	1366.4	1523.9	1820.0	2412.3
122.5°	846.9	798.7	750.4	798.7	846.9	859.0	1073.3	1359.0	1501.8	1768.5	2301.8
125°	904.7	860.7	816.7	860.7	904.7	915.7	1103.0	1352.9	1477.8	1704.3	2157.4
127.5°	959.3	914.9	870.5	914.9	959.3	970.4	1132.8	1349.3	1457.6	1652.1	2041.1
130°	995.0	947.2	899.4	947.2	995.0	1006.9	1154.6	1351.5	1449.9	1623.1	1969.4
132.5°	1024.8	977.0	929.2	977.0	1024.8	1036.7	1172.2	1352.8	1443.1	1598.1	1908.2
135°	1060.4	1016.9	973.4	1016.9	1060.4	1071.3	1191.4	1351.6	1431.7	1561.5	1821.0
137.5°	1104.7	1061.6	1018.5	1061.6	1104.7	1115.5	1220.2	1359.9	1429.7	1539.5	1759.0
140°	1135.4	1095.7	1056.0	1095.7	1135.4	1145.3	1237.9	1361.3	1423.0	1517.7	1707.4
142.5°	1158.2	1121.5	1084.8	1121.5	1158.2	1167.4	1252.6	1366.1	1423.0	1506.3	1672.8
145°	1193.0	1161.0	1129.0	1161.0	1193.0	1201.0	1271.8	1366.2	1413.4	1481.5	1617.7
147.5°	1235.5	1204.4	1173.2	1204.4	1235.5	1243.3	1300.0	1375.6	1413.4	1467.0	1574.2
150°	1258.3	1230.2	1202.0	1230.2	1258.3	1265.4	1314.8	1380.5	1413.4	1458.7	1549.2
152.5°	1274.5	1253.1	1231.8	1253.1	1274.5	1279.8	1324.3	1383.7	1413.4	1452.1	1529.3
155°	1307.6	1291.8	1276.0	1291.8	1307.6	1311.5	1345.5	1390.8	1413.4	1444.1	1505.6
157.5°	1339.4	1324.0	1308.6	1324.0	1339.4	1343.3	1366.7	1397.9	1413.4	1437.3	1485.1
160°	1354.7	1342.7	1330.7	1342.7	1354.7	1357.7	1376.2	1401.0	1413.4	1433.9	1474.9
162.5°	1370.8	1361.7	1352.8	1361.7	1370.8	1373.0	1386.5	1404.4	1413.4	1430.7	1465.2
165°	1393.1	1384.9	1376.8	1384.9	1393.1	1395.1	1401.2	1409.3	1413.4	1425.8	1450.5
167.5°	1406.6	1402.8	1398.9	1402.8	1406.6	1407.6	1412.7	1419.6	1423.0	1431.1	1447.4
170°	1421.1	1417.3	1413.4	1417.3	1421.1	1422.0	1422.3	1422.7	1423.0	1431.1	1447.4
172.5°	1422.7	1421.9	1421.0	1421.9	1422.7	1423.0	1423.0	1423.0	1423.0	1429.4	1442.2
175°	1431.7	1431.7	1431.7	1431.7	1431.7	1431.7	1428.7	1424.9	1423.0	1427.0	1435.1
177.5°	1431.7	1431.7	1431.7	1431.7	1431.7	1431.7	1429.4	1426.4	1424.9	1428.1	1434.5
180°	1431.7	1431.7	1431.7	1431.7	1431.7	1431.7	1431.7	1431.7	1431.7	1431.7	1431.7



TEST NUMBER: P935221
 CATALOG NUMBER: SQ4-FA-100U-100D-927-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	3226.0	3226.0	3226.0	3226.0	3226.0	3226.0	3226.0	3226.0	3226.0	3226.0	3226.0
2.5°	3113.1	3103.9	3116.1	3082.5	3116.1	3103.9	3113.1	3134.4	3116.1	3128.4	3140.6
5°	2731.6	2716.3	2667.5	2627.9	2667.5	2716.3	2731.6	2795.7	2826.2	2881.1	2954.4
7.5°	2441.7	2429.4	2417.3	2392.8	2417.3	2429.4	2441.7	2459.9	2490.5	2539.3	2594.3
10°	2377.5	2380.6	2398.9	2395.9	2398.9	2380.6	2377.5	2371.4	2362.3	2371.4	2405.0
12.5°	2542.4	2569.8	2670.5	2664.4	2670.5	2569.8	2542.4	2420.3	2337.9	2322.6	2328.7
15°	2731.6	2740.7	2762.1	2765.1	2762.1	2740.7	2731.6	2682.8	2435.5	2328.7	2295.1
17.5°	2749.9	2753.0	2768.2	2768.2	2768.2	2753.0	2749.9	2728.6	2646.1	2502.7	2313.5
20°	2734.7	2740.7	2771.2	2777.4	2771.2	2740.7	2734.7	2707.2	2661.4	2609.5	2466.1
22.5°	2728.6	2740.7	2765.1	2762.1	2765.1	2740.7	2728.6	2685.8	2646.1	2609.5	2551.5
25°	2698.0	2698.0	2701.1	2704.1	2701.1	2698.0	2698.0	2664.4	2585.1	2576.0	2542.4
27.5°	2633.9	2640.0	2658.3	2655.3	2658.3	2640.0	2633.9	2621.7	2536.2	2527.1	2502.7
30°	2576.0	2569.8	2554.6	2542.4	2554.6	2569.8	2576.0	2557.6	2472.2	2447.8	2453.8
32.5°	2478.2	2463.0	2447.8	2438.6	2447.8	2463.0	2478.2	2472.2	2408.1	2374.5	2380.6
35°	2362.3	2365.4	2362.3	2353.1	2362.3	2365.4	2362.3	2368.4	2328.7	2298.2	2295.1
37.5°	2279.9	2286.0	2283.0	2270.7	2283.0	2286.0	2279.9	2273.8	2218.8	2209.7	2215.8
40°	2194.4	2197.5	2194.4	2185.3	2194.4	2197.5	2194.4	2182.3	2106.0	2109.0	2130.4
42.5°	2112.0	2109.0	2099.8	2093.7	2099.8	2109.0	2112.0	2093.7	1996.1	1986.9	2026.6
45°	2017.4	2020.5	2002.2	1993.0	2002.2	2020.5	2017.4	2005.2	1904.5	1880.0	1907.5
47.5°	1922.8	1922.8	1907.5	1898.4	1907.5	1922.8	1922.8	1907.5	1800.7	1776.3	1791.6
50°	1822.1	1819.0	1797.6	1794.6	1797.6	1819.0	1822.1	1812.9	1700.0	1678.6	1678.6
52.5°	1706.1	1706.1	1709.2	1715.3	1709.2	1706.1	1706.1	1709.2	1608.5	1587.0	1581.0
55°	1605.4	1608.5	1629.8	1635.9	1629.8	1608.5	1605.4	1605.4	1513.8	1492.5	1480.2
57.5°	1501.6	1501.6	1516.9	1516.9	1516.9	1501.6	1501.6	1495.5	1407.0	1388.7	1382.6
60°	1382.6	1388.7	1400.9	1397.9	1400.9	1388.7	1382.6	1376.5	1300.1	1288.0	1266.6
62.5°	1257.4	1263.6	1266.6	1260.5	1266.6	1263.6	1257.4	1239.2	1193.3	1184.2	1156.7
65°	1126.2	1132.3	1135.4	1129.3	1135.4	1132.3	1126.2	1117.0	1083.5	1068.2	1043.8
67.5°	991.9	988.8	985.8	998.0	985.8	988.8	991.9	979.7	958.3	946.1	912.5
70°	854.5	854.5	851.5	857.6	851.5	854.5	854.5	845.4	833.2	824.1	793.6
72.5°	708.1	705.0	717.3	708.1	717.3	705.0	708.1	705.0	698.9	689.8	659.3
75°	564.6	570.7	564.6	573.8	564.6	570.7	564.6	567.6	564.6	558.6	537.2
77.5°	430.4	436.4	430.4	430.4	430.4	436.4	430.4	433.4	433.4	433.4	415.1
80°	305.2	302.1	302.1	299.1	302.1	302.1	305.2	305.2	308.2	302.1	296.1
82.5°	195.3	192.3	192.3	198.4	192.3	192.3	195.3	198.4	192.3	192.3	192.3
85°	106.8	109.9	103.8	103.8	103.8	109.9	106.8	100.7	106.8	106.8	103.8
87.5°	39.7	36.7	36.7	36.7	36.7	36.7	39.7	42.7	42.7	42.7	45.8
90°	36.5	36.5	36.5	36.5	36.5	36.5	36.5	48.7	64.9	73.0	62.8
92.5°	182.6	175.3	146.2	117.2	146.2	175.3	182.6	258.8	360.4	411.3	361.1
95°	619.7	597.7	509.7	421.8	509.7	597.7	619.7	813.8	1072.6	1202.0	1015.2
97.5°	1430.7	1388.8	1221.5	1054.1	1221.5	1388.8	1430.7	1553.3	1716.9	1798.6	1487.1
100°	2009.1	1959.3	1759.8	1560.4	1759.8	1959.3	2009.1	2000.2	1988.2	1982.2	1636.5
102.5°	2503.0	2460.2	2289.4	2118.7	2289.4	2460.2	2503.0	2346.7	2138.3	2034.1	1683.5
105°	3079.5	3056.5	2964.7	2872.9	2964.7	3056.5	3079.5	2729.1	2262.0	2028.3	1688.8
107.5°	3379.2	3384.8	3407.0	3429.2	3407.0	3384.8	3379.2	2890.5	2238.9	1913.0	1613.6
110°	3456.1	3480.0	3575.6	3671.4	3575.6	3480.0	3456.1	2909.7	2181.2	1816.9	1547.0



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3407.1	3443.8	3590.7	3737.7	3590.7	3443.8	3407.1	2847.9	2102.3	1729.5	1488.9
115°	3240.9	3291.8	3495.5	3699.2	3495.5	3291.8	3240.9	2702.2	1983.9	1624.8	1422.1
117.5°	3011.2	3067.7	3293.6	3519.5	3293.6	3067.7	3011.2	2525.1	1876.8	1552.7	1380.4
120°	2856.5	2911.4	3130.9	3350.4	3130.9	2911.4	2856.5	2412.3	1820.0	1523.9	1366.4
122.5°	2701.9	2756.0	2972.4	3189.0	2972.4	2756.0	2701.9	2301.8	1768.5	1501.8	1359.0
125°	2497.2	2547.0	2746.4	2945.9	2746.4	2547.0	2497.2	2157.4	1704.3	1477.8	1352.9
127.5°	2332.9	2374.9	2543.2	2711.5	2543.2	2374.9	2332.9	2041.1	1652.1	1457.6	1349.3
130°	2229.2	2268.0	2423.4	2578.9	2423.4	2268.0	2229.2	1969.4	1623.1	1449.9	1351.5
132.5°	2140.8	2175.6	2314.8	2454.0	2314.8	2175.6	2140.8	1908.2	1598.1	1443.1	1352.8
135°	2015.8	2045.8	2165.8	2285.8	2165.8	2045.8	2015.8	1821.0	1561.5	1431.7	1351.6
137.5°	1923.6	1948.2	2046.4	2144.6	2046.4	1948.2	1923.6	1759.0	1539.5	1429.7	1359.9
140°	1849.6	1872.6	1964.4	2056.2	1964.4	1872.6	1849.6	1707.4	1517.7	1423.0	1361.3
142.5°	1797.7	1817.4	1896.4	1975.4	1896.4	1817.4	1797.7	1672.8	1506.3	1423.0	1366.1
145°	1719.9	1734.8	1794.6	1854.4	1794.6	1734.8	1719.9	1617.7	1481.5	1413.4	1366.2
147.5°	1654.6	1667.0	1716.5	1766.0	1716.5	1667.0	1654.6	1574.2	1467.0	1413.4	1375.6
150°	1617.1	1627.1	1667.3	1707.4	1667.3	1627.1	1617.1	1549.2	1458.7	1413.4	1380.5
152.5°	1587.3	1594.8	1625.2	1655.5	1625.2	1594.8	1587.3	1529.3	1452.1	1413.4	1383.7
155°	1551.7	1556.7	1576.8	1596.9	1576.8	1556.7	1551.7	1505.6	1444.1	1413.4	1390.8
157.5°	1521.0	1524.5	1538.6	1552.7	1538.6	1524.5	1521.0	1485.1	1437.3	1413.4	1397.9
160°	1505.6	1507.6	1515.7	1523.9	1515.7	1507.6	1505.6	1474.9	1433.9	1413.4	1401.0
162.5°	1491.2	1493.1	1500.8	1508.5	1500.8	1493.1	1491.2	1465.2	1430.7	1413.4	1404.4
165°	1469.1	1471.1	1479.2	1487.3	1479.2	1471.1	1469.1	1450.5	1425.8	1413.4	1409.3
167.5°	1459.5	1460.4	1463.8	1467.2	1463.8	1460.4	1459.5	1447.4	1431.1	1423.0	1419.6
170°	1459.5	1459.5	1459.5	1459.5	1459.5	1459.5	1459.5	1447.4	1431.1	1423.0	1422.7
172.5°	1451.8	1451.1	1448.1	1445.1	1448.1	1451.1	1451.8	1442.2	1429.4	1423.0	1423.0
175°	1441.2	1441.2	1441.2	1441.2	1441.2	1441.2	1441.2	1435.1	1427.0	1423.0	1424.9
177.5°	1439.3	1438.4	1435.0	1431.7	1435.0	1438.4	1439.3	1434.5	1428.1	1424.9	1426.4
180°	1431.7	1431.7	1431.7	1431.7	1431.7	1431.7	1431.7	1431.7	1431.7	1431.7	1431.7



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	3226.0	3226.0	3226.0	3226.0	3226.0
2.5°	3186.3	3201.6	3210.7	3223.0	3253.5
5°	3064.3	3122.3	3140.6	3186.3	3241.3
7.5°	2795.7	2972.7	3021.6	3131.4	3216.8
10°	2536.2	2713.2	2798.7	3058.1	3186.3
12.5°	2405.0	2508.8	2566.8	2930.0	3143.6
15°	2322.6	2395.9	2438.6	2759.1	3094.8
17.5°	2258.5	2310.4	2341.0	2591.2	3027.6
20°	2218.8	2243.2	2270.7	2469.1	2951.3
22.5°	2191.3	2176.1	2197.5	2383.7	2847.5
25°	2173.1	2115.1	2139.5	2316.5	2725.5
27.5°	2188.3	2060.1	2069.3	2255.5	2597.3
30°	2191.3	1993.0	1996.1	2191.3	2453.8
32.5°	2170.0	1922.8	1925.8	2112.0	2292.1
35°	2118.1	1840.4	1837.4	2020.5	2072.4
37.5°	2047.9	1751.9	1751.9	1919.8	1831.2
40°	1962.5	1663.4	1672.5	1788.5	1617.6
42.5°	1858.7	1568.7	1581.0	1614.5	1458.9
45°	1745.7	1477.2	1486.3	1364.3	1336.8
47.5°	1620.6	1382.6	1385.6	1132.3	1297.1
50°	1471.1	1284.9	1272.7	970.6	1294.1
52.5°	1339.9	1178.1	1141.4	879.0	1175.0
55°	1211.7	1065.1	985.8	808.8	1089.6
57.5°	1098.7	918.7	842.4	726.4	1071.3
60°	995.0	775.2	717.3	637.9	982.8
62.5°	909.5	668.4	656.2	576.8	891.2
65°	818.0	595.1	592.1	525.0	756.9
67.5°	729.4	546.3	543.2	476.1	576.8
70°	634.9	494.4	488.3	424.3	427.3
72.5°	537.2	436.4	430.4	381.5	354.0
75°	439.5	369.3	366.2	332.6	286.9
77.5°	344.9	293.0	299.1	268.6	210.6
80°	247.2	213.7	219.8	192.3	158.7
82.5°	164.8	140.4	146.5	122.0	106.8
85°	91.6	79.4	82.4	64.1	48.8
87.5°	42.7	36.7	36.7	24.4	15.2
90°	42.3	26.9	24.9	17.3	9.6
92.5°	260.7	185.4	169.1	103.7	38.4
95°	641.5	361.3	331.4	211.8	92.2
97.5°	864.1	396.9	370.4	265.0	159.5
100°	945.1	426.6	402.6	307.0	211.4
102.5°	982.3	456.4	434.0	344.8	255.6
105°	1009.9	500.6	481.7	406.1	330.6
107.5°	1014.9	566.0	548.3	477.9	407.4
110°	1007.2	602.4	586.5	522.9	459.3



TEST NUMBER: P935221

CATALOG NUMBER: SQ4-FA-100U-100D-927-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1007.6	646.6	631.5	570.9	510.2
115°	1016.9	712.9	698.9	643.0	587.0
117.5°	1035.8	777.3	764.6	713.8	663.0
120°	1051.2	814.8	802.9	755.0	707.2
122.5°	1073.3	859.0	846.9	798.7	750.4
125°	1103.0	915.7	904.7	860.7	816.7
127.5°	1132.8	970.4	959.3	914.9	870.5
130°	1154.6	1006.9	995.0	947.2	899.4
132.5°	1172.2	1036.7	1024.8	977.0	929.2
135°	1191.4	1071.3	1060.4	1016.9	973.4
137.5°	1220.2	1115.5	1104.7	1061.6	1018.5
140°	1237.9	1145.3	1135.4	1095.7	1056.0
142.5°	1252.6	1167.4	1158.2	1121.5	1084.8
145°	1271.8	1201.0	1193.0	1161.0	1129.0
147.5°	1300.0	1243.3	1235.5	1204.4	1173.2
150°	1314.8	1265.4	1258.3	1230.2	1202.0
152.5°	1324.3	1279.8	1274.5	1253.1	1231.8
155°	1345.5	1311.5	1307.6	1291.8	1276.0
157.5°	1366.7	1343.3	1339.4	1324.0	1308.6
160°	1376.2	1357.7	1354.7	1342.7	1330.7
162.5°	1386.5	1373.0	1370.8	1361.7	1352.8
165°	1401.2	1395.1	1393.1	1384.9	1376.8
167.5°	1412.7	1407.6	1406.6	1402.8	1398.9
170°	1422.3	1422.0	1421.1	1417.3	1413.4
172.5°	1423.0	1423.0	1422.7	1421.9	1421.0
175°	1428.7	1431.7	1431.7	1431.7	1431.7
177.5°	1429.4	1431.7	1431.7	1431.7	1431.7
180°	1431.7	1431.7	1431.7	1431.7	1431.7



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CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	12.56	13.40	13.54	14.39	15.70	15.41	16.25	16.39	17.24	18.55
	3H	13.04	13.79	14.03	14.79	16.12	16.76	17.51	17.75	18.52	19.84
	4H	13.23	13.94	14.23	14.94	16.28	17.21	17.92	18.21	18.93	20.26
	6H	13.34	14.00	14.36	15.01	16.36	17.50	18.15	18.51	19.16	20.51
	8H	13.34	13.97	14.36	14.99	16.34	17.58	18.20	18.60	19.23	20.57
	12H	13.31	13.91	14.34	14.93	16.30	17.62	18.21	18.64	19.23	20.60
4H	2H	13.60	14.31	14.60	15.31	16.65	15.82	16.53	16.83	17.53	18.87
	3H	14.62	15.21	15.64	16.25	17.60	17.33	17.92	18.35	18.95	20.30
	4H	14.90	15.44	15.92	16.46	17.84	17.86	18.40	18.89	19.43	20.80
	6H	15.02	15.49	16.06	16.54	17.91	18.23	18.70	19.27	19.74	21.11
	8H	15.02	15.46	16.06	16.50	17.89	18.34	18.77	19.38	19.82	21.20
	12H	14.99	15.38	16.05	16.44	17.83	18.40	18.79	19.45	19.85	21.24
8H	4H	15.35	15.79	16.39	16.83	18.21	17.98	18.42	19.02	19.46	20.84
	6H	15.61	15.97	16.67	17.06	18.44	18.42	18.78	19.48	19.87	21.25
	8H	15.65	15.97	16.72	17.04	18.44	18.58	18.89	19.65	19.96	21.36
	12H	15.64	15.92	16.71	16.98	18.42	18.68	18.96	19.75	20.02	21.46
12H	4H	15.36	15.75	16.41	16.81	18.20	17.94	18.34	19.00	19.39	20.79
	6H	15.67	15.99	16.74	17.06	18.46	18.42	18.74	19.49	19.80	21.21
	8H	15.74	16.02	16.81	17.08	18.52	18.58	18.86	19.66	19.92	21.37