

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: P935249

Luminaire Tested: SQ4-FA-100U-100D-930-1D-UNV-STD-W-12

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935249
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-930-1D-UNV-STD-W-12
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

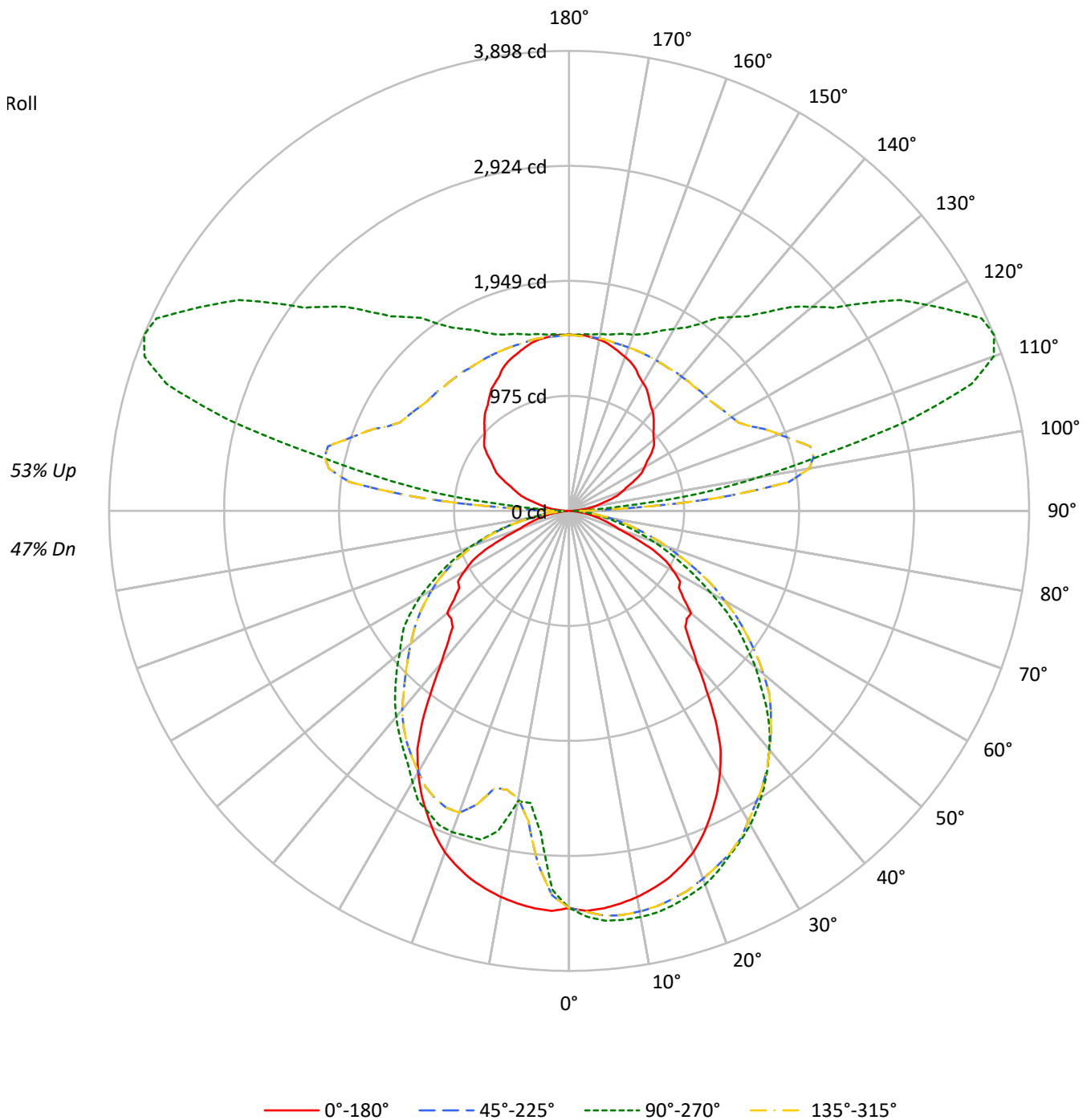
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18407.2 lumens
Efficiency: N/A
Efficacy: 105.8 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 (A_{in}): 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	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°	10406	10406	10406	10406
5°	10488	10505	10488	8260
10°	10421	10347	10421	7397
15°	10312	10123	10312	8453
20°	10100	9858	10100	8471
25°	9663	9470	9663	8291
30°	9096	9149	9096	7897
35°	8113	8742	8113	7464
40°	6764	8263	6764	7137
45°	6048	7702	6048	6760
50°	6430	7034	6430	6383
55°	6055	6314	6055	6164
60°	6250	5362	6250	5646
65°	5675	4433	5675	4955
70°	3940	3533	3940	4154
75°	3468	2611	3468	3127
80°	2815	1726	2815	1880
85°	1649	914	1649	777

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 9263 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	303.7	1.6
10°-20°	862.2	4.7
20°-30°	1332.9	7.2
30°-40°	1591.2	8.6
40°-50°	1600.5	8.7
50°-60°	1392.6	7.6
60°-70°	987.4	5.4
70°-80°	522.4	2.8
80°-90°	135.8	0.7
90°-100°	727.8	4.0
100°-110°	1913.3	10.4
110°-120°	1983.9	10.8
120°-130°	1591.3	8.6
130°-140°	1248.6	6.8
140°-150°	958.4	5.2
150°-160°	690.2	3.7
160°-170°	422.3	2.3
170°-180°	142.7	0.8
0°-30°	2498.8	13.6
0°-40°	4090.0	22.2
0°-60°	7083.1	38.5
0°-90°	8728.7	47.4
90°-120°	4625.0	25.1
90°-150°	8423.3	45.8
90°-180°	9679.0	52.6
0°-180°	18407.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3364	3364	3364	3364	3364	
5°	3380	3485	3380	2740	3380	321
15°	3227	3453	3227	2884	3227	908
25°	2842	3221	2842	2820	2842	1305
35°	2161	2874	2161	2454	2161	1337
45°	1394	2368	1394	2078	1394	1117
55°	1136	1747	1136	1706	1136	1044
65°	789	1054	789	1178	789	754
75°	299	500	299	598	299	315
85°	51	127	51	108	51	69
90°	10	38	10	38	10	10
95°	96	440	96	440	96	107
105°	345	2996	345	2996	345	365
115°	612	3858	612	3858	612	605
125°	852	3072	852	3072	852	756
135°	1015	2384	1015	2384	1015	785
145°	1177	1934	1177	1934	1177	738
155°	1331	1665	1331	1665	1331	611
165°	1436	1551	1436	1551	1436	405
175°	1493	1503	1493	1503	1493	142
180°	1493	1493	1493	1493	1493	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	3364.2	3364.2	3364.2	3364.2	3364.2	3364.2	3364.2	3364.2	3364.2	3364.2	3364.2
2.5°	3392.9	3392.9	3412.0	3418.4	3418.4	3408.8	3399.3	3408.8	3437.5	3447.0	3443.8
5°	3380.2	3405.7	3440.7	3447.0	3453.4	3450.3	3443.8	3450.3	3482.0	3488.4	3491.6
7.5°	3354.7	3402.5	3447.0	3456.6	3466.1	3456.6	3453.4	3459.8	3491.6	3497.9	3497.9
10°	3322.9	3389.8	3440.7	3447.0	3456.6	3447.0	3447.0	3459.8	3491.6	3497.9	3501.2
12.5°	3278.3	3370.7	3418.4	3424.8	3437.5	3434.3	3431.1	3443.8	3475.7	3482.0	3482.0
15°	3227.4	3335.7	3380.2	3386.6	3408.8	3402.5	3402.5	3415.2	3450.3	3459.8	3456.6
17.5°	3157.4	3291.1	3342.0	3351.6	3367.5	3364.2	3367.5	3380.2	3412.0	3418.4	3421.6
20°	3077.8	3230.6	3291.1	3300.7	3316.6	3316.6	3316.6	3332.4	3364.2	3377.0	3377.0
22.5°	2969.6	3167.0	3230.6	3237.0	3256.1	3256.1	3262.4	3284.7	3313.3	3316.6	3316.6
25°	2842.3	3096.9	3151.1	3170.2	3189.2	3198.8	3208.3	3221.1	3230.6	3227.4	3230.6
27.5°	2708.6	3007.8	3077.8	3090.6	3116.0	3125.6	3138.3	3141.5	3144.6	3154.2	3147.8
30°	2559.0	2883.7	2988.7	3001.5	3042.8	3049.2	3036.5	3042.8	3058.7	3065.1	3071.5
32.5°	2390.3	2699.0	2896.4	2925.0	2963.2	2944.1	2941.0	2950.5	2976.0	2976.0	2982.3
35°	2161.2	2555.9	2810.5	2836.0	2864.5	2842.3	2855.0	2858.2	2874.1	2883.7	2880.5
37.5°	1909.7	2431.7	2721.4	2740.5	2762.7	2734.1	2753.2	2762.7	2775.5	2769.1	2769.1
40°	1686.9	2237.6	2616.3	2629.0	2648.1	2625.9	2644.9	2651.3	2657.7	2651.3	2648.1
42.5°	1521.4	2024.3	2504.9	2520.9	2508.1	2524.0	2530.3	2543.1	2533.5	2520.9	2520.9
45°	1394.1	1967.0	2383.9	2403.1	2383.9	2409.4	2419.0	2419.0	2390.3	2383.9	2380.8
47.5°	1352.7	1852.4	2263.0	2263.0	2253.5	2285.3	2301.2	2278.9	2250.2	2240.8	2240.8
50°	1349.5	1725.1	2097.5	2084.7	2129.3	2167.5	2151.6	2129.3	2107.1	2072.1	2072.1
52.5°	1225.4	1569.1	1884.2	1932.0	2002.0	2024.3	1998.8	1976.6	1938.4	1922.5	1909.7
55°	1136.2	1406.9	1690.1	1785.6	1858.8	1887.5	1839.7	1817.4	1760.1	1750.5	1744.2
57.5°	1117.2	1171.3	1511.9	1632.8	1722.0	1718.7	1690.1	1648.7	1600.9	1591.5	1588.3
60°	1024.9	846.6	1320.9	1464.1	1556.5	1546.9	1521.4	1483.2	1438.7	1432.3	1425.9
62.5°	929.4	614.3	1104.4	1266.8	1397.3	1394.1	1371.8	1314.5	1282.7	1266.8	1254.0
65°	789.3	515.6	786.1	1053.5	1241.3	1247.7	1199.9	1158.6	1123.6	1104.4	1101.2
67.5°	601.5	420.1	531.5	878.5	1091.8	1085.3	1024.9	1005.8	961.2	951.6	932.6
70°	445.6	280.1	369.2	713.0	945.3	929.4	881.6	859.4	818.0	795.7	783.0
72.5°	369.2	226.0	270.5	553.8	795.7	776.6	735.2	709.8	674.8	655.6	643.0
75°	299.2	238.7	206.9	410.6	646.1	633.4	595.2	569.7	541.1	515.6	518.8
77.5°	219.6	222.8	165.5	302.4	512.5	493.4	471.0	439.2	426.5	401.0	401.0
80°	165.5	175.1	124.1	206.9	369.2	369.2	350.1	327.9	305.5	292.9	292.9
82.5°	111.4	111.4	92.3	130.5	251.4	241.9	229.2	222.8	210.1	203.7	203.7
85°	50.9	63.7	57.3	79.6	136.8	143.3	143.3	136.8	133.7	127.3	130.5
87.5°	15.9	28.7	35.0	44.6	70.0	73.2	76.4	76.4	76.4	79.6	79.6
90°	10.0	18.1	26.0	28.0	44.1	65.4	76.1	67.7	50.7	38.1	38.1
92.5°	40.1	108.2	176.3	193.4	271.9	376.5	428.9	375.9	269.9	190.4	182.8
95°	96.2	220.9	345.6	376.8	669.0	1058.7	1253.5	1118.6	848.7	646.3	623.3
97.5°	166.3	276.3	386.3	413.9	901.1	1550.8	1875.7	1790.4	1619.9	1492.0	1448.4
100°	220.4	320.2	419.9	444.9	985.6	1706.6	2067.2	2073.4	2085.9	2095.2	2043.2
102.5°	266.5	359.6	452.7	475.9	1024.4	1755.7	2121.3	2229.9	2447.2	2610.2	2565.7
105°	344.7	423.5	502.4	522.0	1053.1	1761.2	2115.3	2358.9	2846.1	3211.4	3187.5
107.5°	424.9	498.3	571.8	590.2	1058.4	1682.8	1995.0	2334.8	3014.4	3524.0	3529.8
110°	479.0	545.3	611.6	628.3	1050.4	1613.3	1894.8	2274.7	3034.4	3604.2	3629.2



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	532.1	595.3	658.5	674.4	1050.8	1552.7	1803.6	2192.4	2970.0	3553.1	3591.4
115°	612.2	670.6	728.9	743.5	1060.4	1483.1	1694.4	2068.9	2818.0	3379.7	3432.8
117.5°	691.4	744.4	797.4	810.6	1080.2	1439.5	1619.2	1957.2	2633.3	3140.3	3199.2
120°	737.5	787.3	837.3	849.7	1096.3	1424.9	1589.2	1898.1	2515.7	2979.0	3036.2
122.5°	782.6	833.0	883.2	895.8	1119.3	1417.2	1566.2	1844.3	2400.5	2817.6	2874.1
125°	851.7	897.6	943.4	954.9	1150.3	1410.9	1541.1	1777.4	2249.8	2604.2	2656.2
127.5°	907.8	954.1	1000.5	1012.0	1181.4	1407.2	1520.1	1722.9	2128.6	2432.8	2476.7
130°	937.9	987.8	1037.6	1050.1	1204.1	1409.4	1512.0	1692.6	2053.8	2324.7	2365.2
132.5°	969.0	1018.8	1068.7	1081.2	1222.4	1410.8	1505.0	1666.6	1990.0	2232.5	2268.8
135°	1015.1	1060.4	1105.9	1117.2	1242.5	1409.5	1493.0	1628.4	1899.1	2102.2	2133.5
137.5°	1062.1	1107.1	1152.1	1163.3	1272.5	1418.2	1491.0	1605.4	1834.4	2006.1	2031.7
140°	1101.2	1142.7	1184.0	1194.4	1290.9	1419.6	1483.9	1582.8	1780.6	1928.9	1952.8
142.5°	1131.3	1169.6	1207.9	1217.4	1306.2	1424.7	1483.9	1570.8	1744.5	1874.8	1895.3
145°	1177.4	1210.8	1244.2	1252.5	1326.3	1424.8	1474.0	1545.0	1687.0	1793.6	1809.2
147.5°	1223.5	1256.0	1288.5	1296.6	1355.7	1434.6	1474.0	1529.9	1641.7	1725.5	1738.4
150°	1253.5	1282.9	1312.3	1319.7	1371.1	1439.7	1474.0	1521.2	1615.6	1686.4	1696.8
152.5°	1284.6	1306.8	1329.1	1334.7	1381.1	1443.0	1474.0	1514.3	1594.8	1655.3	1663.2
155°	1330.7	1347.1	1363.7	1367.7	1403.2	1450.4	1474.0	1506.0	1570.1	1618.2	1623.4
157.5°	1364.7	1380.8	1396.8	1400.8	1425.2	1457.8	1474.0	1498.9	1548.7	1586.2	1589.9
160°	1387.7	1400.3	1412.7	1415.8	1435.2	1461.1	1474.0	1495.3	1538.1	1570.1	1572.2
162.5°	1410.8	1420.1	1429.5	1431.8	1445.9	1464.6	1474.0	1492.0	1528.0	1555.1	1557.1
165°	1435.8	1444.3	1452.8	1454.9	1461.2	1469.7	1474.0	1486.9	1512.7	1532.0	1534.1
167.5°	1458.9	1462.9	1466.9	1468.0	1473.3	1480.4	1483.9	1492.5	1509.4	1522.1	1523.0
170°	1474.0	1478.0	1482.0	1483.0	1483.3	1483.7	1483.9	1492.5	1509.4	1522.1	1522.1
172.5°	1481.9	1482.8	1483.7	1483.9	1483.9	1483.9	1483.9	1490.6	1504.0	1514.1	1513.3
175°	1493.0	1493.0	1493.0	1493.0	1490.0	1486.0	1483.9	1488.2	1496.6	1503.0	1503.0
177.5°	1493.0	1493.0	1493.0	1493.0	1490.7	1487.6	1486.0	1489.3	1496.0	1501.0	1500.1
180°	1493.0	1493.0	1493.0	1493.0	1493.0	1493.0	1493.0	1493.0	1493.0	1493.0	1493.0



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	3364.2	3364.2	3364.2	3364.2	3364.2	3364.2	3364.2	3364.2	3364.2	3364.2	3364.2
2.5°	3450.3	3440.7	3450.3	3443.8	3447.0	3437.5	3408.8	3399.3	3408.8	3418.4	3418.4
5°	3491.6	3485.3	3491.6	3491.6	3488.4	3482.0	3450.3	3443.8	3450.3	3453.4	3447.0
7.5°	3504.3	3494.8	3504.3	3497.9	3497.9	3491.6	3459.8	3453.4	3456.6	3466.1	3456.6
10°	3504.3	3494.8	3504.3	3501.2	3497.9	3491.6	3459.8	3447.0	3447.0	3456.6	3447.0
12.5°	3488.4	3482.0	3488.4	3482.0	3482.0	3475.7	3443.8	3431.1	3434.3	3437.5	3424.8
15°	3462.9	3453.4	3462.9	3456.6	3459.8	3450.3	3415.2	3402.5	3402.5	3408.8	3386.6
17.5°	3424.8	3412.0	3424.8	3421.6	3418.4	3412.0	3380.2	3367.5	3364.2	3367.5	3351.6
20°	3380.2	3370.7	3380.2	3377.0	3377.0	3364.2	3332.4	3316.6	3316.6	3316.6	3300.7
22.5°	3310.2	3300.7	3310.2	3316.6	3316.6	3313.3	3284.7	3262.4	3256.1	3256.1	3237.0
25°	3230.6	3221.1	3230.6	3230.6	3227.4	3230.6	3221.1	3208.3	3198.8	3189.2	3170.2
27.5°	3154.2	3147.8	3154.2	3147.8	3154.2	3144.6	3141.5	3138.3	3125.6	3116.0	3090.6
30°	3077.8	3071.5	3077.8	3071.5	3065.1	3058.7	3042.8	3036.5	3049.2	3042.8	3001.5
32.5°	2982.3	2976.0	2982.3	2982.3	2976.0	2976.0	2950.5	2941.0	2944.1	2963.2	2925.0
35°	2883.7	2874.1	2883.7	2880.5	2883.7	2874.1	2858.2	2855.0	2842.3	2864.5	2836.0
37.5°	2769.1	2759.5	2769.1	2769.1	2769.1	2775.5	2762.7	2753.2	2734.1	2762.7	2740.5
40°	2651.3	2638.6	2651.3	2648.1	2651.3	2657.7	2651.3	2644.9	2625.9	2648.1	2629.0
42.5°	2517.6	2514.4	2517.6	2520.9	2520.9	2533.5	2543.1	2530.3	2524.0	2508.1	2520.9
45°	2374.4	2368.0	2374.4	2380.8	2383.9	2390.3	2419.0	2419.0	2409.4	2383.9	2403.1
47.5°	2221.7	2205.8	2221.7	2240.8	2240.8	2250.2	2278.9	2301.2	2285.3	2253.5	2263.0
50°	2059.3	2062.5	2059.3	2072.1	2072.1	2107.1	2129.3	2151.6	2167.5	2129.3	2084.7
52.5°	1900.1	1897.0	1900.1	1909.7	1922.5	1938.4	1976.6	1998.8	2024.3	2002.0	1932.0
55°	1741.0	1747.4	1741.0	1744.2	1750.5	1760.1	1817.4	1839.7	1887.5	1858.8	1785.6
57.5°	1581.9	1572.4	1581.9	1588.3	1591.5	1600.9	1648.7	1690.1	1718.7	1722.0	1632.8
60°	1397.3	1384.5	1397.3	1425.9	1432.3	1438.7	1483.2	1521.4	1546.9	1556.5	1464.1
62.5°	1234.9	1212.7	1234.9	1254.0	1266.8	1282.7	1314.5	1371.8	1394.1	1397.3	1266.8
65°	1063.1	1053.5	1063.1	1101.2	1104.4	1123.6	1158.6	1199.9	1247.7	1241.3	1053.5
67.5°	907.1	907.1	907.1	932.6	951.6	961.2	1005.8	1024.9	1085.3	1091.8	878.5
70°	763.9	760.7	763.9	783.0	795.7	818.0	859.4	881.6	929.4	945.3	713.0
72.5°	627.1	623.9	627.1	643.0	655.6	674.8	709.8	735.2	776.6	795.7	553.8
75°	506.1	499.7	506.1	518.8	515.6	541.1	569.7	595.2	633.4	646.1	410.6
77.5°	388.3	388.3	388.3	401.0	401.0	426.5	439.2	471.0	493.4	512.5	302.4
80°	289.6	286.4	289.6	292.9	292.9	305.5	327.9	350.1	369.2	369.2	206.9
82.5°	203.7	197.3	203.7	203.7	203.7	210.1	222.8	229.2	241.9	251.4	130.5
85°	127.3	127.3	127.3	130.5	127.3	133.7	136.8	143.3	143.3	136.8	79.6
87.5°	82.8	79.6	82.8	79.6	79.6	76.4	76.4	76.4	73.2	70.0	44.6
90°	38.1	38.1	38.1	38.1	38.1	50.7	67.7	76.1	65.4	44.1	28.0
92.5°	152.5	122.2	152.5	182.8	190.4	269.9	375.9	428.9	376.5	271.9	193.4
95°	531.6	439.9	531.6	623.3	646.3	848.7	1118.6	1253.5	1058.7	669.0	376.8
97.5°	1273.8	1099.2	1273.8	1448.4	1492.0	1619.9	1790.4	1875.7	1550.8	901.1	413.9
100°	1835.3	1627.3	1835.3	2043.2	2095.2	2085.9	2073.4	2067.2	1706.6	985.6	444.9
102.5°	2387.6	2209.5	2387.6	2565.7	2610.2	2447.2	2229.9	2121.3	1755.7	1024.4	475.9
105°	3091.7	2996.0	3091.7	3187.5	3211.4	2846.1	2358.9	2115.3	1761.2	1053.1	522.0
107.5°	3553.0	3576.2	3553.0	3529.8	3524.0	3014.4	2334.8	1995.0	1682.8	1058.4	590.2
110°	3728.9	3828.7	3728.9	3629.2	3604.2	3034.4	2274.7	1894.8	1613.3	1050.4	628.3



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3744.6	3897.8	3744.6	3591.4	3553.1	2970.0	2192.4	1803.6	1552.7	1050.8	674.4
115°	3645.3	3857.7	3645.3	3432.8	3379.7	2818.0	2068.9	1694.4	1483.1	1060.4	743.5
117.5°	3434.8	3670.4	3434.8	3199.2	3140.3	2633.3	1957.2	1619.2	1439.5	1080.2	810.6
120°	3265.1	3494.0	3265.1	3036.2	2979.0	2515.7	1898.1	1589.2	1424.9	1096.3	849.7
122.5°	3099.8	3325.6	3099.8	2874.1	2817.6	2400.5	1844.3	1566.2	1417.2	1119.3	895.8
125°	2864.1	3072.1	2864.1	2656.2	2604.2	2249.8	1777.4	1541.1	1410.9	1150.3	954.9
127.5°	2652.2	2827.7	2652.2	2476.7	2432.8	2128.6	1722.9	1520.1	1407.2	1181.4	1012.0
130°	2527.3	2689.4	2527.3	2365.2	2324.7	2053.8	1692.6	1512.0	1409.4	1204.1	1050.1
132.5°	2414.0	2559.2	2414.0	2268.8	2232.5	1990.0	1666.6	1505.0	1410.8	1222.4	1081.2
135°	2258.6	2383.8	2258.6	2133.5	2102.2	1899.1	1628.4	1493.0	1409.5	1242.5	1117.2
137.5°	2134.1	2236.5	2134.1	2031.7	2006.1	1834.4	1605.4	1491.0	1418.2	1272.5	1163.3
140°	2048.6	2144.3	2048.6	1952.8	1928.9	1780.6	1582.8	1483.9	1419.6	1290.9	1194.4
142.5°	1977.7	2060.1	1977.7	1895.3	1874.8	1744.5	1570.8	1483.9	1424.7	1306.2	1217.4
145°	1871.6	1933.9	1871.6	1809.2	1793.6	1687.0	1545.0	1474.0	1424.8	1326.3	1252.5
147.5°	1790.0	1841.7	1790.0	1738.4	1725.5	1641.7	1529.9	1474.0	1434.6	1355.7	1296.6
150°	1738.7	1780.6	1738.7	1696.8	1686.4	1615.6	1521.2	1474.0	1439.7	1371.1	1319.7
152.5°	1694.8	1726.4	1694.8	1663.2	1655.3	1594.8	1514.3	1474.0	1443.0	1381.1	1334.7
155°	1644.4	1665.3	1644.4	1623.4	1618.2	1570.1	1506.0	1474.0	1450.4	1403.2	1367.7
157.5°	1604.6	1619.2	1604.6	1589.9	1586.2	1548.7	1498.9	1474.0	1457.8	1425.2	1400.8
160°	1580.7	1589.2	1580.7	1572.2	1570.1	1538.1	1495.3	1474.0	1461.1	1435.2	1415.8
162.5°	1565.1	1573.2	1565.1	1557.1	1555.1	1528.0	1492.0	1474.0	1464.6	1445.9	1431.8
165°	1542.6	1551.1	1542.6	1534.1	1532.0	1512.7	1486.9	1474.0	1469.7	1461.2	1454.9
167.5°	1526.5	1530.0	1526.5	1523.0	1522.1	1509.4	1492.5	1483.9	1480.4	1473.3	1468.0
170°	1522.1	1522.1	1522.1	1522.1	1522.1	1509.4	1492.5	1483.9	1483.7	1483.3	1483.0
172.5°	1510.1	1507.0	1510.1	1513.3	1514.1	1504.0	1490.6	1483.9	1483.9	1483.9	1483.9
175°	1503.0	1503.0	1503.0	1503.0	1503.0	1496.6	1488.2	1483.9	1486.0	1490.0	1493.0
177.5°	1496.6	1493.0	1496.6	1500.1	1501.0	1496.0	1489.3	1486.0	1487.6	1490.7	1493.0
180°	1493.0	1493.0	1493.0	1493.0	1493.0	1493.0	1493.0	1493.0	1493.0	1493.0	1493.0



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	3364.2	3364.2	3364.2	3364.2	3364.2	3364.2	3364.2	3364.2	3364.2	3364.2	3364.2
2.5°	3412.0	3392.9	3392.9	3361.1	3348.3	3338.8	3322.9	3275.2	3262.4	3249.7	3268.8
5°	3440.7	3405.7	3380.2	3322.9	3275.2	3256.1	3195.6	3081.0	3004.6	2947.3	2915.5
7.5°	3447.0	3402.5	3354.7	3265.6	3151.1	3100.1	2915.5	2705.5	2648.1	2597.2	2565.3
10°	3440.7	3389.8	3322.9	3189.2	2918.7	2829.5	2644.9	2508.1	2473.1	2463.5	2473.1
12.5°	3418.4	3370.7	3278.3	3055.6	2676.8	2616.3	2508.1	2428.5	2422.2	2438.1	2524.0
15°	3380.2	3335.7	3227.4	2877.3	2543.1	2498.5	2422.2	2393.5	2428.5	2539.9	2797.7
17.5°	3342.0	3291.1	3157.4	2702.3	2441.3	2409.4	2355.3	2412.6	2609.9	2759.5	2845.5
20°	3291.1	3230.6	3077.8	2574.9	2368.0	2339.4	2313.9	2571.8	2721.4	2775.5	2823.2
22.5°	3230.6	3167.0	2969.6	2485.8	2291.7	2269.4	2285.3	2660.9	2721.4	2759.5	2800.9
25°	3151.1	3096.9	2842.3	2415.8	2231.2	2205.8	2266.2	2651.3	2686.4	2695.9	2778.6
27.5°	3077.8	3007.8	2708.6	2352.1	2158.0	2148.4	2282.1	2609.9	2635.4	2644.9	2734.1
30°	2988.7	2883.7	2559.0	2285.3	2081.6	2078.4	2285.3	2559.0	2552.7	2578.1	2667.2
32.5°	2896.4	2699.0	2390.3	2202.5	2008.4	2005.2	2263.0	2482.6	2476.3	2511.3	2578.1
35°	2810.5	2555.9	2161.2	2107.1	1916.1	1919.3	2208.9	2393.5	2396.7	2428.5	2469.9
37.5°	2721.4	2431.7	1909.7	2002.0	1827.0	1827.0	2135.7	2310.8	2304.4	2313.9	2371.3
40°	2616.3	2237.6	1686.9	1865.1	1744.2	1734.6	2046.6	2221.7	2199.3	2196.2	2275.8
42.5°	2504.9	2024.3	1521.4	1683.7	1648.7	1636.0	1938.4	2113.4	2072.1	2081.6	2183.4
45°	2383.9	1967.0	1394.1	1422.8	1550.0	1540.5	1820.6	1989.3	1960.6	1986.1	2091.2
47.5°	2263.0	1852.4	1352.7	1180.8	1445.0	1441.9	1690.1	1868.3	1852.4	1877.9	1989.3
50°	2097.5	1725.1	1349.5	1012.2	1327.3	1340.0	1534.1	1750.5	1750.5	1772.9	1890.6
52.5°	1884.2	1569.1	1225.4	916.6	1190.4	1228.6	1397.3	1648.7	1655.1	1677.4	1782.4
55°	1690.1	1406.9	1136.2	843.5	1028.1	1110.8	1263.6	1543.7	1556.5	1578.7	1674.2
57.5°	1511.9	1171.3	1117.2	757.6	878.5	958.1	1145.8	1441.9	1448.2	1467.3	1559.6
60°	1320.9	846.6	1024.9	665.2	748.0	808.5	1037.6	1320.9	1343.2	1355.9	1435.4
62.5°	1104.4	614.3	929.4	601.5	684.3	697.1	948.5	1206.3	1234.9	1244.5	1292.3
65°	786.1	515.6	789.3	547.5	617.5	620.6	853.0	1088.5	1114.0	1129.9	1164.9
67.5°	531.5	420.1	601.5	496.5	566.5	569.7	760.7	951.6	986.6	999.4	1021.7
70°	369.2	280.1	445.6	442.5	509.3	515.6	662.1	827.6	859.4	868.9	881.6
72.5°	270.5	226.0	369.2	397.9	448.8	455.1	560.2	687.5	719.3	728.9	735.2
75°	206.9	238.7	299.2	346.9	381.9	385.1	458.4	560.2	582.5	588.8	592.0
77.5°	165.5	222.8	219.6	280.1	311.9	305.5	359.7	432.9	451.9	451.9	451.9
80°	124.1	175.1	165.5	200.5	229.2	222.8	257.8	308.8	315.1	321.4	318.3
82.5°	92.3	111.4	111.4	127.3	152.8	146.4	171.8	200.5	200.5	200.5	206.9
85°	57.3	63.7	50.9	66.8	85.9	82.8	95.5	108.2	111.4	111.4	105.0
87.5°	35.0	28.7	15.9	25.5	38.2	38.2	44.6	47.8	44.6	44.6	44.6
90°	26.0	18.1	10.0	18.1	26.0	28.0	44.1	65.4	76.1	67.7	50.7
92.5°	176.3	108.2	40.1	108.2	176.3	193.4	271.9	376.5	428.9	375.9	269.9
95°	345.6	220.9	96.2	220.9	345.6	376.8	669.0	1058.7	1253.5	1118.6	848.7
97.5°	386.3	276.3	166.3	276.3	386.3	413.9	901.1	1550.8	1875.7	1790.4	1619.9
100°	419.9	320.2	220.4	320.2	419.9	444.9	985.6	1706.6	2067.2	2073.4	2085.9
102.5°	452.7	359.6	266.5	359.6	452.7	475.9	1024.4	1755.7	2121.3	2229.9	2447.2
105°	502.4	423.5	344.7	423.5	502.4	522.0	1053.1	1761.2	2115.3	2358.9	2846.1
107.5°	571.8	498.3	424.9	498.3	571.8	590.2	1058.4	1682.8	1995.0	2334.8	3014.4
110°	611.6	545.3	479.0	545.3	611.6	628.3	1050.4	1613.3	1894.8	2274.7	3034.4



TEST NUMBER: P935249

CATALOG NUMBER: SQ4-FA-100U-100D-930-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	658.5	595.3	532.1	595.3	658.5	674.4	1050.8	1552.7	1803.6	2192.4	2970.0
115°	728.9	670.6	612.2	670.6	728.9	743.5	1060.4	1483.1	1694.4	2068.9	2818.0
117.5°	797.4	744.4	691.4	744.4	797.4	810.6	1080.2	1439.5	1619.2	1957.2	2633.3
120°	837.3	787.3	737.5	787.3	837.3	849.7	1096.3	1424.9	1589.2	1898.1	2515.7
122.5°	883.2	833.0	782.6	833.0	883.2	895.8	1119.3	1417.2	1566.2	1844.3	2400.5
125°	943.4	897.6	851.7	897.6	943.4	954.9	1150.3	1410.9	1541.1	1777.4	2249.8
127.5°	1000.5	954.1	907.8	954.1	1000.5	1012.0	1181.4	1407.2	1520.1	1722.9	2128.6
130°	1037.6	987.8	937.9	987.8	1037.6	1050.1	1204.1	1409.4	1512.0	1692.6	2053.8
132.5°	1068.7	1018.8	969.0	1018.8	1068.7	1081.2	1222.4	1410.8	1505.0	1666.6	1990.0
135°	1105.9	1060.4	1015.1	1060.4	1105.9	1117.2	1242.5	1409.5	1493.0	1628.4	1899.1
137.5°	1152.1	1107.1	1062.1	1107.1	1152.1	1163.3	1272.5	1418.2	1491.0	1605.4	1834.4
140°	1184.0	1142.7	1101.2	1142.7	1184.0	1194.4	1290.9	1419.6	1483.9	1582.8	1780.6
142.5°	1207.9	1169.6	1131.3	1169.6	1207.9	1217.4	1306.2	1424.7	1483.9	1570.8	1744.5
145°	1244.2	1210.8	1177.4	1210.8	1244.2	1252.5	1326.3	1424.8	1474.0	1545.0	1687.0
147.5°	1288.5	1256.0	1223.5	1256.0	1288.5	1296.6	1355.7	1434.6	1474.0	1529.9	1641.7
150°	1312.3	1282.9	1253.5	1282.9	1312.3	1319.7	1371.1	1439.7	1474.0	1521.2	1615.6
152.5°	1329.1	1306.8	1284.6	1306.8	1329.1	1334.7	1381.1	1443.0	1474.0	1514.3	1594.8
155°	1363.7	1347.1	1330.7	1347.1	1363.7	1367.7	1403.2	1450.4	1474.0	1506.0	1570.1
157.5°	1396.8	1380.8	1364.7	1380.8	1396.8	1400.8	1425.2	1457.8	1474.0	1498.9	1548.7
160°	1412.7	1400.3	1387.7	1400.3	1412.7	1415.8	1435.2	1461.1	1474.0	1495.3	1538.1
162.5°	1429.5	1420.1	1410.8	1420.1	1429.5	1431.8	1445.9	1464.6	1474.0	1492.0	1528.0
165°	1452.8	1444.3	1435.8	1444.3	1452.8	1454.9	1461.2	1469.7	1474.0	1486.9	1512.7
167.5°	1466.9	1462.9	1458.9	1462.9	1466.9	1468.0	1473.3	1480.4	1483.9	1492.5	1509.4
170°	1482.0	1478.0	1474.0	1478.0	1482.0	1483.0	1483.3	1483.7	1483.9	1492.5	1509.4
172.5°	1483.7	1482.8	1481.9	1482.8	1483.7	1483.9	1483.9	1483.9	1483.9	1490.6	1504.0
175°	1493.0	1493.0	1493.0	1493.0	1493.0	1493.0	1490.0	1486.0	1483.9	1488.2	1496.6
177.5°	1493.0	1493.0	1493.0	1493.0	1493.0	1493.0	1490.7	1487.6	1486.0	1489.3	1496.0
180°	1493.0	1493.0	1493.0	1493.0	1493.0	1493.0	1493.0	1493.0	1493.0	1493.0	1493.0



TEST NUMBER: P935249

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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	3364.2	3364.2	3364.2	3364.2	3364.2	3364.2	3364.2	3364.2	3364.2	3364.2	3364.2
2.5°	3246.5	3237.0	3249.7	3214.6	3249.7	3237.0	3246.5	3268.8	3249.7	3262.4	3275.2
5°	2848.6	2832.7	2781.8	2740.5	2781.8	2832.7	2848.6	2915.5	2947.3	3004.6	3081.0
7.5°	2546.3	2533.5	2520.9	2495.3	2520.9	2533.5	2546.3	2565.3	2597.2	2648.1	2705.5
10°	2479.4	2482.6	2501.7	2498.5	2501.7	2482.6	2479.4	2473.1	2463.5	2473.1	2508.1
12.5°	2651.3	2679.9	2785.0	2778.6	2785.0	2679.9	2651.3	2524.0	2438.1	2422.2	2428.5
15°	2848.6	2858.2	2880.5	2883.7	2880.5	2858.2	2848.6	2797.7	2539.9	2428.5	2393.5
17.5°	2867.8	2871.0	2886.9	2886.9	2886.9	2871.0	2867.8	2845.5	2759.5	2609.9	2412.6
20°	2851.9	2858.2	2890.0	2896.4	2890.0	2858.2	2851.9	2823.2	2775.5	2721.4	2571.8
22.5°	2845.5	2858.2	2883.7	2880.5	2883.7	2858.2	2845.5	2800.9	2759.5	2721.4	2660.9
25°	2813.6	2813.6	2816.8	2820.0	2816.8	2813.6	2813.6	2778.6	2695.9	2686.4	2651.3
27.5°	2746.8	2753.2	2772.3	2769.1	2772.3	2753.2	2746.8	2734.1	2644.9	2635.4	2609.9
30°	2686.4	2679.9	2664.0	2651.3	2664.0	2679.9	2686.4	2667.2	2578.1	2552.7	2559.0
32.5°	2584.5	2568.6	2552.7	2543.1	2552.7	2568.6	2584.5	2578.1	2511.3	2476.3	2482.6
35°	2463.5	2466.7	2463.5	2454.0	2463.5	2466.7	2463.5	2469.9	2428.5	2396.7	2393.5
37.5°	2377.6	2383.9	2380.8	2368.0	2380.8	2383.9	2377.6	2371.3	2313.9	2304.4	2310.8
40°	2288.5	2291.7	2288.5	2278.9	2288.5	2291.7	2288.5	2275.8	2196.2	2199.3	2221.7
42.5°	2202.5	2199.3	2189.8	2183.4	2189.8	2199.3	2202.5	2183.4	2081.6	2072.1	2113.4
45°	2103.9	2107.1	2088.0	2078.4	2088.0	2107.1	2103.9	2091.2	1986.1	1960.6	1989.3
47.5°	2005.2	2005.2	1989.3	1979.7	1989.3	2005.2	2005.2	1989.3	1877.9	1852.4	1868.3
50°	1900.1	1897.0	1874.7	1871.6	1874.7	1897.0	1900.1	1890.6	1772.9	1750.5	1750.5
52.5°	1779.2	1779.2	1782.4	1788.8	1782.4	1779.2	1779.2	1782.4	1677.4	1655.1	1648.7
55°	1674.2	1677.4	1699.6	1706.0	1699.6	1677.4	1674.2	1674.2	1578.7	1556.5	1543.7
57.5°	1565.9	1565.9	1581.9	1581.9	1581.9	1565.9	1565.9	1559.6	1467.3	1448.2	1441.9
60°	1441.9	1448.2	1460.9	1457.8	1460.9	1448.2	1441.9	1435.4	1355.9	1343.2	1320.9
62.5°	1311.3	1317.7	1320.9	1314.5	1320.9	1317.7	1311.3	1292.3	1244.5	1234.9	1206.3
65°	1174.5	1180.8	1184.0	1177.7	1184.0	1180.8	1174.5	1164.9	1129.9	1114.0	1088.5
67.5°	1034.4	1031.2	1028.1	1040.8	1028.1	1031.2	1034.4	1021.7	999.4	986.6	951.6
70°	891.2	891.2	888.0	894.4	888.0	891.2	891.2	881.6	868.9	859.4	827.6
72.5°	738.4	735.2	748.0	738.4	748.0	735.2	738.4	735.2	728.9	719.3	687.5
75°	588.8	595.2	588.8	598.4	588.8	595.2	588.8	592.0	588.8	582.5	560.2
77.5°	448.8	455.1	448.8	448.8	448.8	455.1	448.8	451.9	451.9	451.9	432.9
80°	318.3	315.1	315.1	311.9	315.1	315.1	318.3	318.3	321.4	315.1	308.8
82.5°	203.7	200.5	200.5	206.9	200.5	200.5	203.7	206.9	200.5	200.5	200.5
85°	111.4	114.6	108.2	108.2	108.2	114.6	111.4	105.0	111.4	111.4	108.2
87.5°	41.4	38.2	38.2	38.2	38.2	38.2	41.4	44.6	44.6	44.6	47.8
90°	38.1	38.1	38.1	38.1	38.1	38.1	38.1	50.7	67.7	76.1	65.4
92.5°	190.4	182.8	152.5	122.2	152.5	182.8	190.4	269.9	375.9	428.9	376.5
95°	646.3	623.3	531.6	439.9	531.6	623.3	646.3	848.7	1118.6	1253.5	1058.7
97.5°	1492.0	1448.4	1273.8	1099.2	1273.8	1448.4	1492.0	1619.9	1790.4	1875.7	1550.8
100°	2095.2	2043.2	1835.3	1627.3	1835.3	2043.2	2095.2	2085.9	2073.4	2067.2	1706.6
102.5°	2610.2	2565.7	2387.6	2209.5	2387.6	2565.7	2610.2	2447.2	2229.9	2121.3	1755.7
105°	3211.4	3187.5	3091.7	2996.0	3091.7	3187.5	3211.4	2846.1	2358.9	2115.3	1761.2
107.5°	3524.0	3529.8	3553.0	3576.2	3553.0	3529.8	3524.0	3014.4	2334.8	1995.0	1682.8
110°	3604.2	3629.2	3728.9	3828.7	3728.9	3629.2	3604.2	3034.4	2274.7	1894.8	1613.3



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3553.1	3591.4	3744.6	3897.8	3744.6	3591.4	3553.1	2970.0	2192.4	1803.6	1552.7
115°	3379.7	3432.8	3645.3	3857.7	3645.3	3432.8	3379.7	2818.0	2068.9	1694.4	1483.1
117.5°	3140.3	3199.2	3434.8	3670.4	3434.8	3199.2	3140.3	2633.3	1957.2	1619.2	1439.5
120°	2979.0	3036.2	3265.1	3494.0	3265.1	3036.2	2979.0	2515.7	1898.1	1589.2	1424.9
122.5°	2817.6	2874.1	3099.8	3325.6	3099.8	2874.1	2817.6	2400.5	1844.3	1566.2	1417.2
125°	2604.2	2656.2	2864.1	3072.1	2864.1	2656.2	2604.2	2249.8	1777.4	1541.1	1410.9
127.5°	2432.8	2476.7	2652.2	2827.7	2652.2	2476.7	2432.8	2128.6	1722.9	1520.1	1407.2
130°	2324.7	2365.2	2527.3	2689.4	2527.3	2365.2	2324.7	2053.8	1692.6	1512.0	1409.4
132.5°	2232.5	2268.8	2414.0	2559.2	2414.0	2268.8	2232.5	1990.0	1666.6	1505.0	1410.8
135°	2102.2	2133.5	2258.6	2383.8	2258.6	2133.5	2102.2	1899.1	1628.4	1493.0	1409.5
137.5°	2006.1	2031.7	2134.1	2236.5	2134.1	2031.7	2006.1	1834.4	1605.4	1491.0	1418.2
140°	1928.9	1952.8	2048.6	2144.3	2048.6	1952.8	1928.9	1780.6	1582.8	1483.9	1419.6
142.5°	1874.8	1895.3	1977.7	2060.1	1977.7	1895.3	1874.8	1744.5	1570.8	1483.9	1424.7
145°	1793.6	1809.2	1871.6	1933.9	1871.6	1809.2	1793.6	1687.0	1545.0	1474.0	1424.8
147.5°	1725.5	1738.4	1790.0	1841.7	1790.0	1738.4	1725.5	1641.7	1529.9	1474.0	1434.6
150°	1686.4	1696.8	1738.7	1780.6	1738.7	1696.8	1686.4	1615.6	1521.2	1474.0	1439.7
152.5°	1655.3	1663.2	1694.8	1726.4	1694.8	1663.2	1655.3	1594.8	1514.3	1474.0	1443.0
155°	1618.2	1623.4	1644.4	1665.3	1644.4	1623.4	1618.2	1570.1	1506.0	1474.0	1450.4
157.5°	1586.2	1589.9	1604.6	1619.2	1604.6	1589.9	1586.2	1548.7	1498.9	1474.0	1457.8
160°	1570.1	1572.2	1580.7	1589.2	1580.7	1572.2	1570.1	1538.1	1495.3	1474.0	1461.1
162.5°	1555.1	1557.1	1565.1	1573.2	1565.1	1557.1	1555.1	1528.0	1492.0	1474.0	1464.6
165°	1532.0	1534.1	1542.6	1551.1	1542.6	1534.1	1532.0	1512.7	1486.9	1474.0	1469.7
167.5°	1522.1	1523.0	1526.5	1530.0	1526.5	1523.0	1522.1	1509.4	1492.5	1483.9	1480.4
170°	1522.1	1522.1	1522.1	1522.1	1522.1	1522.1	1522.1	1509.4	1492.5	1483.9	1483.7
172.5°	1514.1	1513.3	1510.1	1507.0	1510.1	1513.3	1514.1	1504.0	1490.6	1483.9	1483.9
175°	1503.0	1503.0	1503.0	1503.0	1503.0	1503.0	1503.0	1496.6	1488.2	1483.9	1486.0
177.5°	1501.0	1500.1	1496.6	1493.0	1496.6	1500.1	1501.0	1496.0	1489.3	1486.0	1487.6
180°	1493.0	1493.0	1493.0	1493.0	1493.0	1493.0	1493.0	1493.0	1493.0	1493.0	1493.0



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	3364.2	3364.2	3364.2	3364.2	3364.2
2.5°	3322.9	3338.8	3348.3	3361.1	3392.9
5°	3195.6	3256.1	3275.2	3322.9	3380.2
7.5°	2915.5	3100.1	3151.1	3265.6	3354.7
10°	2644.9	2829.5	2918.7	3189.2	3322.9
12.5°	2508.1	2616.3	2676.8	3055.6	3278.3
15°	2422.2	2498.5	2543.1	2877.3	3227.4
17.5°	2355.3	2409.4	2441.3	2702.3	3157.4
20°	2313.9	2339.4	2368.0	2574.9	3077.8
22.5°	2285.3	2269.4	2291.7	2485.8	2969.6
25°	2266.2	2205.8	2231.2	2415.8	2842.3
27.5°	2282.1	2148.4	2158.0	2352.1	2708.6
30°	2285.3	2078.4	2081.6	2285.3	2559.0
32.5°	2263.0	2005.2	2008.4	2202.5	2390.3
35°	2208.9	1919.3	1916.1	2107.1	2161.2
37.5°	2135.7	1827.0	1827.0	2002.0	1909.7
40°	2046.6	1734.6	1744.2	1865.1	1686.9
42.5°	1938.4	1636.0	1648.7	1683.7	1521.4
45°	1820.6	1540.5	1550.0	1422.8	1394.1
47.5°	1690.1	1441.9	1445.0	1180.8	1352.7
50°	1534.1	1340.0	1327.3	1012.2	1349.5
52.5°	1397.3	1228.6	1190.4	916.6	1225.4
55°	1263.6	1110.8	1028.1	843.5	1136.2
57.5°	1145.8	958.1	878.5	757.6	1117.2
60°	1037.6	808.5	748.0	665.2	1024.9
62.5°	948.5	697.1	684.3	601.5	929.4
65°	853.0	620.6	617.5	547.5	789.3
67.5°	760.7	569.7	566.5	496.5	601.5
70°	662.1	515.6	509.3	442.5	445.6
72.5°	560.2	455.1	448.8	397.9	369.2
75°	458.4	385.1	381.9	346.9	299.2
77.5°	359.7	305.5	311.9	280.1	219.6
80°	257.8	222.8	229.2	200.5	165.5
82.5°	171.8	146.4	152.8	127.3	111.4
85°	95.5	82.8	85.9	66.8	50.9
87.5°	44.6	38.2	38.2	25.5	15.9
90°	44.1	28.0	26.0	18.1	10.0
92.5°	271.9	193.4	176.3	108.2	40.1
95°	669.0	376.8	345.6	220.9	96.2
97.5°	901.1	413.9	386.3	276.3	166.3
100°	985.6	444.9	419.9	320.2	220.4
102.5°	1024.4	475.9	452.7	359.6	266.5
105°	1053.1	522.0	502.4	423.5	344.7
107.5°	1058.4	590.2	571.8	498.3	424.9
110°	1050.4	628.3	611.6	545.3	479.0



TEST NUMBER: P935249

CATALOG NUMBER: SQ4-FA-100U-100D-930-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1050.8	674.4	658.5	595.3	532.1
115°	1060.4	743.5	728.9	670.6	612.2
117.5°	1080.2	810.6	797.4	744.4	691.4
120°	1096.3	849.7	837.3	787.3	737.5
122.5°	1119.3	895.8	883.2	833.0	782.6
125°	1150.3	954.9	943.4	897.6	851.7
127.5°	1181.4	1012.0	1000.5	954.1	907.8
130°	1204.1	1050.1	1037.6	987.8	937.9
132.5°	1222.4	1081.2	1068.7	1018.8	969.0
135°	1242.5	1117.2	1105.9	1060.4	1015.1
137.5°	1272.5	1163.3	1152.1	1107.1	1062.1
140°	1290.9	1194.4	1184.0	1142.7	1101.2
142.5°	1306.2	1217.4	1207.9	1169.6	1131.3
145°	1326.3	1252.5	1244.2	1210.8	1177.4
147.5°	1355.7	1296.6	1288.5	1256.0	1223.5
150°	1371.1	1319.7	1312.3	1282.9	1253.5
152.5°	1381.1	1334.7	1329.1	1306.8	1284.6
155°	1403.2	1367.7	1363.7	1347.1	1330.7
157.5°	1425.2	1400.8	1396.8	1380.8	1364.7
160°	1435.2	1415.8	1412.7	1400.3	1387.7
162.5°	1445.9	1431.8	1429.5	1420.1	1410.8
165°	1461.2	1454.9	1452.8	1444.3	1435.8
167.5°	1473.3	1468.0	1466.9	1462.9	1458.9
170°	1483.3	1483.0	1482.0	1478.0	1474.0
172.5°	1483.9	1483.9	1483.7	1482.8	1481.9
175°	1490.0	1493.0	1493.0	1493.0	1493.0
177.5°	1490.7	1493.0	1493.0	1493.0	1493.0
180°	1493.0	1493.0	1493.0	1493.0	1493.0



TEST NUMBER: P935249
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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	12.71	13.55	13.69	14.54	15.85	15.56	16.40	16.54	17.39	18.70
	3H	13.18	13.93	14.17	14.93	16.26	16.91	17.66	17.90	18.66	19.99
	4H	13.37	14.08	14.38	15.09	16.43	17.36	18.07	18.36	19.07	20.41
	6H	13.49	14.14	14.50	15.15	16.50	17.65	18.30	18.66	19.31	20.66
	8H	13.49	14.11	14.51	15.14	16.49	17.72	18.35	18.74	19.37	20.72
	12H	13.46	14.05	14.49	15.07	16.44	17.76	18.36	18.79	19.38	20.75
4H	2H	13.74	14.45	14.75	15.46	16.79	15.96	16.67	16.97	17.68	19.02
	3H	14.77	15.36	15.79	16.39	17.74	17.47	18.07	18.49	19.10	20.45
	4H	15.04	15.58	16.07	16.61	17.98	18.01	18.55	19.03	19.57	20.95
	6H	15.17	15.63	16.20	16.68	18.05	18.37	18.84	19.41	19.89	21.26
	8H	15.17	15.61	16.21	16.65	18.03	18.48	18.92	19.52	19.96	21.35
	12H	15.14	15.53	16.19	16.59	17.98	18.54	18.94	19.60	19.99	21.38
8H	4H	15.50	15.93	16.53	16.97	18.36	18.13	18.56	19.16	19.60	20.99
	6H	15.76	16.12	16.82	17.20	18.58	18.57	18.93	19.63	20.01	21.39
	8H	15.80	16.12	16.87	17.18	18.59	18.72	19.04	19.79	20.11	21.51
	12H	15.78	16.06	16.86	17.12	18.57	18.82	19.10	19.90	20.17	21.61
12H	4H	15.50	15.90	16.56	16.95	18.34	18.09	18.48	19.15	19.54	20.93
	6H	15.82	16.14	16.89	17.20	18.61	18.57	18.88	19.63	19.95	21.35
	8H	15.88	16.16	16.96	17.23	18.67	18.73	19.01	19.80	20.07	21.51