

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: P935269

Luminaire Tested: SQ4-FA-100U-100D-935-1D-UNV-STD-W-12

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935269
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-935-1D-UNV-STD-W-12
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

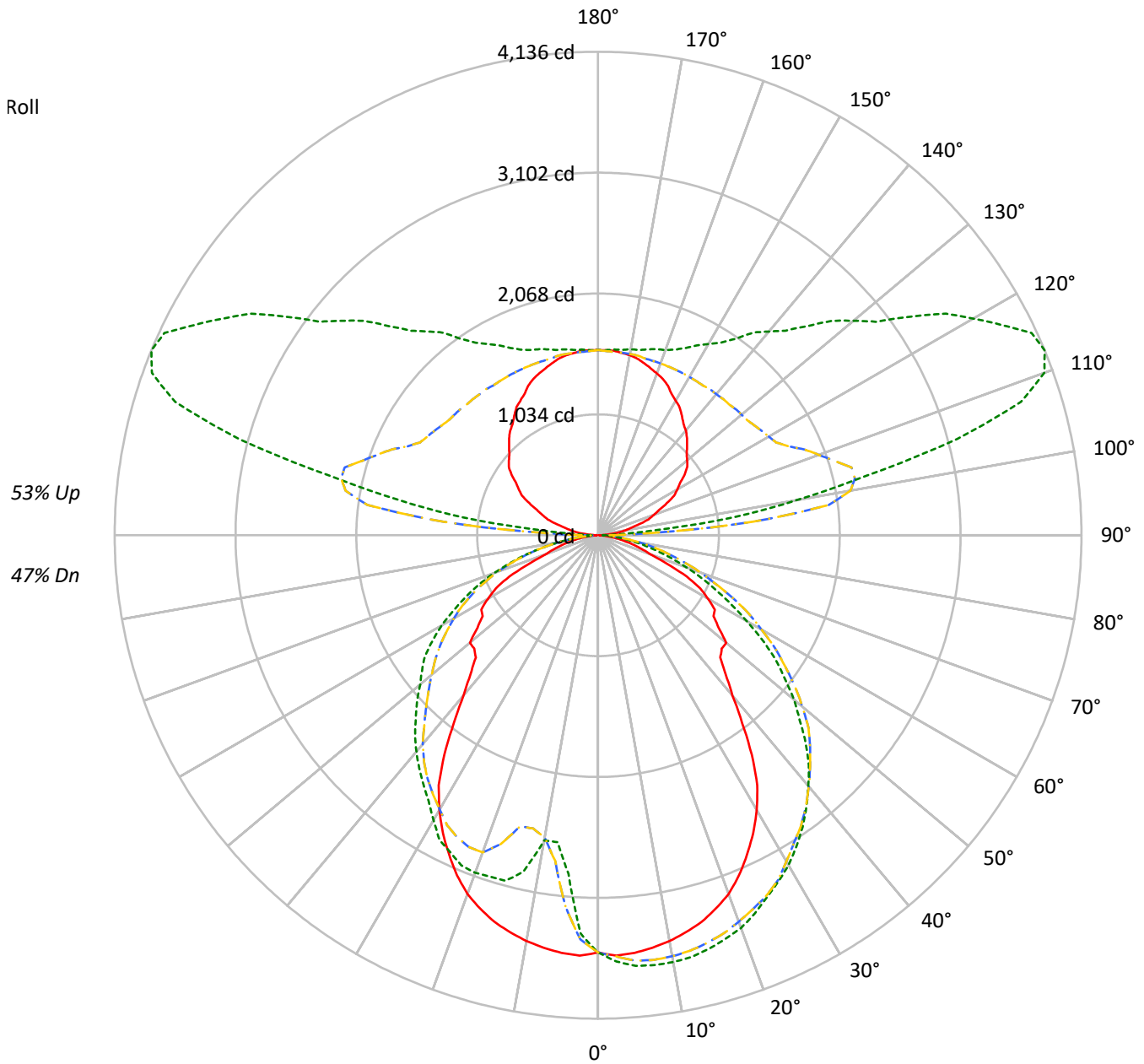
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19530.4 lumens
Efficiency: N/A
Efficacy: 112.2 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

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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°	11041	11041	11041	11041
5°	11128	11145	11128	8764
10°	11057	10979	11057	7849
15°	10941	10741	10941	8969
20°	10716	10459	10716	8988
25°	10252	10048	10252	8797
30°	9651	9707	9651	8379
35°	8608	9275	8608	7919
40°	7177	8767	7177	7572
45°	6417	8172	6417	7173
50°	6823	7463	6823	6772
55°	6425	6699	6425	6540
60°	6631	5689	6631	5990
65°	6022	4703	6022	5257
70°	4180	3748	4180	4407
75°	3680	2771	3680	3318
80°	2987	1831	2987	1994
85°	1750	970	1750	824

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 9828 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	322.2	1.6
10°-20°	914.9	4.7
20°-30°	1414.2	7.2
30°-40°	1688.3	8.6
40°-50°	1698.2	8.7
50°-60°	1477.6	7.6
60°-70°	1047.6	5.4
70°-80°	554.3	2.8
80°-90°	144.1	0.7
90°-100°	772.2	4.0
100°-110°	2030.1	10.4
110°-120°	2105.0	10.8
120°-130°	1688.5	8.6
130°-140°	1324.8	6.8
140°-150°	1016.9	5.2
150°-160°	732.3	3.7
160°-170°	448.1	2.3
170°-180°	151.4	0.8
0°-30°	2651.3	13.6
0°-40°	4339.6	22.2
0°-60°	7515.3	38.5
0°-90°	9261.3	47.4
90°-120°	4907.2	25.1
90°-150°	8937.3	45.8
90°-180°	10269.0	52.6
0°-180°	19530.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3570	3570	3570	3570	3570	
5°	3586	3698	3586	2908	3586	340
15°	3424	3664	3424	3060	3424	963
25°	3016	3418	3016	2992	3016	1385
35°	2293	3050	2293	2604	2293	1419
45°	1479	2512	1479	2205	1479	1185
55°	1206	1854	1206	1810	1206	1108
65°	838	1118	838	1250	838	800
75°	318	530	318	635	318	334
85°	54	135	54	115	54	73
90°	11	40	11	40	11	11
95°	102	467	102	467	102	113
105°	366	3179	366	3179	366	388
115°	650	4093	650	4093	650	642
125°	904	3260	904	3260	904	802
135°	1077	2529	1077	2529	1077	833
145°	1249	2052	1249	2052	1249	783
155°	1412	1767	1412	1767	1412	649
165°	1524	1646	1524	1646	1524	430
175°	1584	1595	1584	1595	1584	150
180°	1584	1584	1584	1584	1584	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	3569.5	3569.5	3569.5	3569.5	3569.5	3569.5	3569.5	3569.5	3569.5	3569.5	3569.5
2.5°	3600.0	3600.0	3620.2	3627.0	3627.0	3616.8	3606.7	3616.8	3647.2	3657.4	3654.0
5°	3586.5	3613.5	3650.6	3657.4	3664.1	3660.8	3654.0	3660.8	3694.5	3701.3	3704.7
7.5°	3559.4	3610.1	3657.4	3667.5	3677.7	3667.5	3664.1	3670.9	3704.7	3711.4	3711.4
10°	3525.7	3596.6	3650.6	3657.4	3667.5	3657.4	3657.4	3670.9	3704.7	3711.4	3714.8
12.5°	3478.4	3576.4	3627.0	3633.8	3647.2	3643.8	3640.5	3654.0	3687.8	3694.5	3694.5
15°	3424.4	3539.2	3586.5	3593.2	3616.8	3610.1	3610.1	3623.6	3660.8	3670.9	3667.5
17.5°	3350.1	3491.9	3545.9	3556.1	3572.9	3569.5	3572.9	3586.5	3620.2	3627.0	3630.4
20°	3265.6	3427.8	3491.9	3502.1	3518.9	3518.9	3518.9	3535.8	3569.5	3583.1	3583.1
22.5°	3150.8	3360.2	3427.8	3434.5	3454.8	3454.8	3461.5	3485.1	3515.5	3518.9	3518.9
25°	3015.7	3285.9	3343.3	3363.6	3383.8	3393.9	3404.1	3417.6	3427.8	3424.4	3427.8
27.5°	2873.9	3191.3	3265.6	3279.2	3306.2	3316.3	3329.8	3333.2	3336.5	3346.7	3339.9
30°	2715.2	3059.6	3171.1	3184.6	3228.5	3235.2	3221.8	3228.5	3245.4	3252.2	3258.9
32.5°	2536.1	2863.7	3073.2	3103.5	3144.1	3123.8	3120.4	3130.6	3157.6	3157.6	3164.3
35°	2293.1	2711.8	2982.0	3009.0	3039.3	3015.7	3029.2	3032.6	3049.5	3059.6	3056.3
37.5°	2026.2	2580.1	2887.4	2907.7	2931.3	2900.9	2921.2	2931.3	2944.9	2938.0	2938.0
40°	1789.9	2374.1	2776.0	2789.4	2809.7	2786.1	2806.3	2813.1	2819.9	2813.1	2809.7
42.5°	1614.3	2147.8	2657.7	2674.7	2661.1	2678.0	2684.7	2698.3	2688.1	2674.7	2674.7
45°	1479.2	2087.1	2529.4	2549.7	2529.4	2556.4	2566.6	2566.6	2536.1	2529.4	2526.1
47.5°	1435.3	1965.5	2401.1	2401.1	2391.0	2424.7	2441.7	2418.0	2387.6	2377.5	2377.5
50°	1431.9	1830.4	2225.5	2212.0	2259.2	2299.8	2282.9	2259.2	2235.6	2198.5	2198.5
52.5°	1300.2	1664.9	1999.2	2049.9	2124.2	2147.8	2120.8	2097.2	2056.6	2039.8	2026.2
55°	1205.6	1492.7	1793.2	1894.5	1972.2	2002.6	1951.9	1928.3	1867.5	1857.4	1850.6
57.5°	1185.4	1242.7	1604.1	1732.5	1827.0	1823.6	1793.2	1749.3	1698.6	1688.6	1685.2
60°	1087.4	898.3	1401.5	1553.5	1651.4	1641.3	1614.3	1573.7	1526.4	1519.7	1512.9
62.5°	986.1	651.8	1171.8	1344.1	1482.6	1479.2	1455.6	1394.7	1361.0	1344.1	1330.6
65°	837.5	547.1	834.1	1117.8	1317.0	1323.8	1273.1	1229.3	1192.1	1171.8	1168.4
67.5°	638.2	445.8	563.9	932.1	1158.4	1151.6	1087.4	1067.1	1019.8	1009.7	989.5
70°	472.8	297.2	391.7	756.5	1003.0	986.1	935.4	911.8	867.9	844.2	830.8
72.5°	391.7	239.8	287.0	587.6	844.2	824.0	780.1	753.1	715.9	695.7	682.2
75°	317.5	253.3	219.5	435.6	685.5	672.1	631.5	604.5	574.1	547.1	550.5
77.5°	233.0	236.4	175.6	320.9	543.7	523.5	499.8	466.0	452.5	425.5	425.5
80°	175.6	185.7	131.7	219.5	391.7	391.7	371.5	347.9	324.2	310.7	310.7
82.5°	118.2	118.2	97.9	138.4	266.8	256.6	243.2	236.4	222.9	216.2	216.2
85°	54.0	67.6	60.7	84.4	145.2	152.0	152.0	145.2	141.9	135.0	138.4
87.5°	16.9	30.4	37.1	47.3	74.3	77.7	81.0	81.0	81.0	84.4	84.4
90°	10.6	19.2	27.6	29.7	46.8	69.4	80.8	71.8	53.8	40.4	40.4
92.5°	42.5	114.8	187.1	205.2	288.5	399.5	455.1	398.8	286.4	202.0	194.0
95°	102.1	234.4	366.7	399.8	709.8	1123.3	1330.0	1186.8	900.5	685.7	661.3
97.5°	176.4	293.2	409.9	439.1	956.1	1645.5	1990.2	1899.7	1718.7	1583.0	1536.8
100°	233.9	339.7	445.5	472.0	1045.7	1810.8	2193.3	2199.9	2213.2	2223.0	2167.9
102.5°	282.8	381.5	480.3	505.0	1086.9	1862.8	2250.7	2366.0	2596.6	2769.5	2722.2
105°	365.8	449.3	533.0	553.9	1117.4	1868.7	2244.3	2502.8	3019.7	3407.4	3382.0
107.5°	450.8	528.8	606.7	626.2	1123.0	1785.5	2116.7	2477.3	3198.3	3739.1	3745.2
110°	508.2	578.6	649.0	666.6	1114.5	1711.8	2010.4	2413.5	3219.5	3824.1	3850.6



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	564.5	631.7	698.7	715.5	1114.9	1647.4	1913.7	2326.2	3151.2	3769.9	3810.6
115°	649.6	711.5	773.4	788.9	1125.2	1573.6	1797.8	2195.2	2989.9	3586.0	3642.3
117.5°	733.6	789.8	846.0	860.1	1146.1	1527.4	1718.1	2076.7	2794.0	3331.9	3394.4
120°	782.5	835.4	888.4	901.6	1163.2	1511.9	1686.2	2013.9	2669.2	3160.7	3221.5
122.5°	830.4	883.8	937.1	950.5	1187.6	1503.7	1661.7	1956.8	2547.0	2989.6	3049.5
125°	903.7	952.4	1001.0	1013.2	1220.5	1497.0	1635.2	1885.8	2387.1	2763.1	2818.2
127.5°	963.2	1012.3	1061.5	1073.8	1253.5	1493.0	1612.8	1828.1	2258.5	2581.3	2627.8
130°	995.1	1048.0	1101.0	1114.2	1277.6	1495.4	1604.3	1795.9	2179.2	2466.5	2509.6
132.5°	1028.1	1081.0	1133.9	1147.1	1297.0	1496.9	1596.8	1768.3	2111.4	2368.7	2407.2
135°	1077.0	1125.2	1173.4	1185.4	1318.3	1495.5	1584.1	1727.8	2015.0	2230.5	2263.7
137.5°	1126.9	1174.7	1222.4	1234.3	1350.2	1504.7	1582.0	1703.4	1946.3	2128.5	2155.6
140°	1168.4	1212.4	1256.3	1267.3	1369.7	1506.3	1574.5	1679.4	1889.2	2046.6	2072.0
142.5°	1200.3	1240.9	1281.6	1291.7	1385.9	1511.6	1574.5	1666.7	1851.0	1989.2	2011.0
145°	1249.2	1284.6	1320.1	1328.9	1407.2	1511.7	1563.9	1639.2	1790.0	1903.0	1919.6
147.5°	1298.1	1332.6	1367.1	1375.7	1438.4	1522.1	1563.9	1623.2	1741.8	1830.8	1844.5
150°	1330.0	1361.2	1392.3	1400.2	1454.8	1527.6	1563.9	1614.0	1714.1	1789.3	1800.4
152.5°	1362.9	1386.5	1410.2	1416.1	1465.4	1531.0	1563.9	1606.7	1692.2	1756.3	1764.7
155°	1411.8	1429.3	1446.9	1451.2	1488.8	1538.9	1563.9	1597.9	1665.9	1717.0	1722.5
157.5°	1448.0	1465.0	1482.1	1486.3	1512.2	1546.7	1563.9	1590.3	1643.3	1683.0	1686.9
160°	1472.4	1485.7	1498.9	1502.2	1522.8	1550.2	1563.9	1586.6	1631.9	1665.9	1668.1
162.5°	1496.9	1506.8	1516.7	1519.2	1534.1	1554.0	1563.9	1583.0	1621.3	1650.0	1652.1
165°	1523.5	1532.4	1541.4	1543.7	1550.4	1559.4	1563.9	1577.6	1605.0	1625.5	1627.7
167.5°	1547.9	1552.2	1556.4	1557.5	1563.2	1570.7	1574.5	1583.5	1601.5	1615.0	1615.9
170°	1563.9	1568.2	1572.5	1573.5	1573.8	1574.2	1574.5	1583.5	1601.5	1615.0	1615.0
172.5°	1572.4	1573.3	1574.2	1574.5	1574.5	1574.5	1574.5	1581.6	1595.8	1606.4	1605.6
175°	1584.1	1584.1	1584.1	1584.1	1580.9	1576.6	1574.5	1579.0	1588.0	1594.7	1594.7
177.5°	1584.1	1584.1	1584.1	1584.1	1581.7	1578.3	1576.6	1580.2	1587.3	1592.6	1591.6
180°	1584.1	1584.1	1584.1	1584.1	1584.1	1584.1	1584.1	1584.1	1584.1	1584.1	1584.1



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	3569.5	3569.5	3569.5	3569.5	3569.5	3569.5	3569.5	3569.5	3569.5	3569.5	3569.5
2.5°	3660.8	3650.6	3660.8	3654.0	3657.4	3647.2	3616.8	3606.7	3616.8	3627.0	3627.0
5°	3704.7	3697.9	3704.7	3704.7	3701.3	3694.5	3660.8	3654.0	3660.8	3664.1	3657.4
7.5°	3718.1	3708.1	3718.1	3711.4	3711.4	3704.7	3670.9	3664.1	3667.5	3677.7	3667.5
10°	3718.1	3708.1	3718.1	3714.8	3711.4	3704.7	3670.9	3657.4	3657.4	3667.5	3657.4
12.5°	3701.3	3694.5	3701.3	3694.5	3694.5	3687.8	3654.0	3640.5	3643.8	3647.2	3633.8
15°	3674.2	3664.1	3674.2	3667.5	3670.9	3660.8	3623.6	3610.1	3610.1	3616.8	3593.2
17.5°	3633.8	3620.2	3633.8	3630.4	3627.0	3620.2	3586.5	3572.9	3569.5	3572.9	3556.1
20°	3586.5	3576.4	3586.5	3583.1	3583.1	3569.5	3535.8	3518.9	3518.9	3518.9	3502.1
22.5°	3512.2	3502.1	3512.2	3518.9	3518.9	3515.5	3485.1	3461.5	3454.8	3454.8	3434.5
25°	3427.8	3417.6	3427.8	3427.8	3424.4	3427.8	3417.6	3404.1	3393.9	3383.8	3363.6
27.5°	3346.7	3339.9	3346.7	3339.9	3346.7	3336.5	3333.2	3329.8	3316.3	3306.2	3279.2
30°	3265.6	3258.9	3265.6	3258.9	3252.2	3245.4	3228.5	3221.8	3235.2	3228.5	3184.6
32.5°	3164.3	3157.6	3164.3	3164.3	3157.6	3157.6	3130.6	3120.4	3123.8	3144.1	3103.5
35°	3059.6	3049.5	3059.6	3056.3	3059.6	3049.5	3032.6	3029.2	3015.7	3039.3	3009.0
37.5°	2938.0	2927.9	2938.0	2938.0	2938.0	2944.9	2931.3	2921.2	2900.9	2931.3	2907.7
40°	2813.1	2799.6	2813.1	2809.7	2813.1	2819.9	2813.1	2806.3	2786.1	2809.7	2789.4
42.5°	2671.3	2667.9	2671.3	2674.7	2674.7	2688.1	2698.3	2684.7	2678.0	2661.1	2674.7
45°	2519.3	2512.5	2519.3	2526.1	2529.4	2536.1	2566.6	2566.6	2556.4	2529.4	2549.7
47.5°	2357.2	2340.4	2357.2	2377.5	2377.5	2387.6	2418.0	2441.7	2424.7	2391.0	2401.1
50°	2185.0	2188.4	2185.0	2198.5	2198.5	2235.6	2259.2	2282.9	2299.8	2259.2	2212.0
52.5°	2016.1	2012.8	2016.1	2026.2	2039.8	2056.6	2097.2	2120.8	2147.8	2124.2	2049.9
55°	1847.2	1854.0	1847.2	1850.6	1857.4	1867.5	1928.3	1951.9	2002.6	1972.2	1894.5
57.5°	1678.4	1668.3	1678.4	1685.2	1688.6	1698.6	1749.3	1793.2	1823.6	1827.0	1732.5
60°	1482.6	1469.0	1482.6	1512.9	1519.7	1526.4	1573.7	1614.3	1641.3	1651.4	1553.5
62.5°	1310.3	1286.7	1310.3	1330.6	1344.1	1361.0	1394.7	1455.6	1479.2	1482.6	1344.1
65°	1128.0	1117.8	1128.0	1168.4	1171.8	1192.1	1229.3	1273.1	1323.8	1317.0	1117.8
67.5°	962.5	962.5	962.5	989.5	1009.7	1019.8	1067.1	1087.4	1151.6	1158.4	932.1
70°	810.5	807.1	810.5	830.8	844.2	867.9	911.8	935.4	986.1	1003.0	756.5
72.5°	665.3	661.9	665.3	682.2	695.7	715.9	753.1	780.1	824.0	844.2	587.6
75°	536.9	530.2	536.9	550.5	547.1	574.1	604.5	631.5	672.1	685.5	435.6
77.5°	412.0	412.0	412.0	425.5	425.5	452.5	466.0	499.8	523.5	543.7	320.9
80°	307.3	303.9	307.3	310.7	310.7	324.2	347.9	371.5	391.7	391.7	219.5
82.5°	216.2	209.3	216.2	216.2	216.2	222.9	236.4	243.2	256.6	266.8	138.4
85°	135.0	135.0	135.0	138.4	135.0	141.9	145.2	152.0	152.0	145.2	84.4
87.5°	87.8	84.4	87.8	84.4	84.4	81.0	81.0	81.0	77.7	74.3	47.3
90°	40.4	40.4	40.4	40.4	40.4	53.8	71.8	80.8	69.4	46.8	29.7
92.5°	161.8	129.7	161.8	194.0	202.0	286.4	398.8	455.1	399.5	288.5	205.2
95°	564.0	466.7	564.0	661.3	685.7	900.5	1186.8	1330.0	1123.3	709.8	399.8
97.5°	1351.5	1166.3	1351.5	1536.8	1583.0	1718.7	1899.7	1990.2	1645.5	956.1	439.1
100°	1947.2	1726.6	1947.2	2167.9	2223.0	2213.2	2199.9	2193.3	1810.8	1045.7	472.0
102.5°	2533.3	2344.3	2533.3	2722.2	2769.5	2596.6	2366.0	2250.7	1862.8	1086.9	505.0
105°	3280.4	3178.8	3280.4	3382.0	3407.4	3019.7	2502.8	2244.3	1868.7	1117.4	553.9
107.5°	3769.8	3794.4	3769.8	3745.2	3739.1	3198.3	2477.3	2116.7	1785.5	1123.0	626.2
110°	3956.4	4062.3	3956.4	3850.6	3824.1	3219.5	2413.5	2010.4	1711.8	1114.5	666.6



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CATALOG NUMBER: SQ4-FA-100U-100D-935-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3973.1	4135.7	3973.1	3810.6	3769.9	3151.2	2326.2	1913.7	1647.4	1114.9	715.5
115°	3867.7	4093.1	3867.7	3642.3	3586.0	2989.9	2195.2	1797.8	1573.6	1125.2	788.9
117.5°	3644.3	3894.3	3644.3	3394.4	3331.9	2794.0	2076.7	1718.1	1527.4	1146.1	860.1
120°	3464.3	3707.2	3464.3	3221.5	3160.7	2669.2	2013.9	1686.2	1511.9	1163.2	901.6
122.5°	3289.0	3528.6	3289.0	3049.5	2989.6	2547.0	1956.8	1661.7	1503.7	1187.6	950.5
125°	3038.9	3259.6	3038.9	2818.2	2763.1	2387.1	1885.8	1635.2	1497.0	1220.5	1013.2
127.5°	2814.1	3000.2	2814.1	2627.8	2581.3	2258.5	1828.1	1612.8	1493.0	1253.5	1073.8
130°	2681.5	2853.5	2681.5	2509.6	2466.5	2179.2	1795.9	1604.3	1495.4	1277.6	1114.2
132.5°	2561.3	2715.3	2561.3	2407.2	2368.7	2111.4	1768.3	1596.8	1496.9	1297.0	1147.1
135°	2396.4	2529.2	2396.4	2263.7	2230.5	2015.0	1727.8	1584.1	1495.5	1318.3	1185.4
137.5°	2264.3	2373.0	2264.3	2155.6	2128.5	1946.3	1703.4	1582.0	1504.7	1350.2	1234.3
140°	2173.6	2275.2	2173.6	2072.0	2046.6	1889.2	1679.4	1574.5	1506.3	1369.7	1267.3
142.5°	2098.4	2185.8	2098.4	2011.0	1989.2	1851.0	1666.7	1574.5	1511.6	1385.9	1291.7
145°	1985.8	2051.9	1985.8	1919.6	1903.0	1790.0	1639.2	1563.9	1511.7	1407.2	1328.9
147.5°	1899.3	1954.1	1899.3	1844.5	1830.8	1741.8	1623.2	1563.9	1522.1	1438.4	1375.7
150°	1844.8	1889.2	1844.8	1800.4	1789.3	1714.1	1614.0	1563.9	1527.6	1454.8	1400.2
152.5°	1798.2	1831.8	1798.2	1764.7	1756.3	1692.2	1606.7	1563.9	1531.0	1465.4	1416.1
155°	1744.7	1767.0	1744.7	1722.5	1717.0	1665.9	1597.9	1563.9	1538.9	1488.8	1451.2
157.5°	1702.5	1718.1	1702.5	1686.9	1683.0	1643.3	1590.3	1563.9	1546.7	1512.2	1486.3
160°	1677.2	1686.2	1677.2	1668.1	1665.9	1631.9	1586.6	1563.9	1550.2	1522.8	1502.2
162.5°	1660.6	1669.2	1660.6	1652.1	1650.0	1621.3	1583.0	1563.9	1554.0	1534.1	1519.2
165°	1636.8	1645.7	1636.8	1627.7	1625.5	1605.0	1577.6	1563.9	1559.4	1550.4	1543.7
167.5°	1619.7	1623.4	1619.7	1615.9	1615.0	1601.5	1583.5	1574.5	1570.7	1563.2	1557.5
170°	1615.0	1615.0	1615.0	1615.0	1615.0	1601.5	1583.5	1574.5	1574.2	1573.8	1573.5
172.5°	1602.3	1598.9	1602.3	1605.6	1606.4	1595.8	1581.6	1574.5	1574.5	1574.5	1574.5
175°	1594.7	1594.7	1594.7	1594.7	1594.7	1588.0	1579.0	1574.5	1576.6	1580.9	1584.1
177.5°	1587.9	1584.1	1587.9	1591.6	1592.6	1587.3	1580.2	1576.6	1578.3	1581.7	1584.1
180°	1584.1	1584.1	1584.1	1584.1	1584.1	1584.1	1584.1	1584.1	1584.1	1584.1	1584.1



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	3569.5	3569.5	3569.5	3569.5	3569.5	3569.5	3569.5	3569.5	3569.5	3569.5	3569.5
2.5°	3620.2	3600.0	3600.0	3566.2	3552.7	3542.5	3525.7	3475.1	3461.5	3448.0	3468.2
5°	3650.6	3613.5	3586.5	3525.7	3475.1	3454.8	3390.6	3269.0	3187.9	3127.2	3093.4
7.5°	3657.4	3610.1	3559.4	3464.9	3343.3	3289.3	3093.4	2870.6	2809.7	2755.7	2721.9
10°	3650.6	3596.6	3525.7	3383.8	3096.8	3002.2	2806.3	2661.1	2624.0	2613.9	2624.0
12.5°	3627.0	3576.4	3478.4	3242.0	2840.1	2776.0	2661.1	2576.7	2570.0	2586.8	2678.0
15°	3586.5	3539.2	3424.4	3052.9	2698.3	2651.0	2570.0	2539.6	2576.7	2694.9	2968.5
17.5°	3545.9	3491.9	3350.1	2867.2	2590.3	2556.4	2499.0	2559.8	2769.2	2927.9	3019.1
20°	3491.9	3427.8	3265.6	2732.0	2512.5	2482.1	2455.1	2728.7	2887.4	2944.9	2995.5
22.5°	3427.8	3360.2	3150.8	2637.5	2431.5	2407.8	2424.7	2823.3	2887.4	2927.9	2971.9
25°	3343.3	3285.9	3015.7	2563.2	2367.4	2340.4	2404.5	2813.1	2850.3	2860.4	2948.2
27.5°	3265.6	3191.3	2873.9	2495.7	2289.7	2279.5	2421.4	2769.2	2796.3	2806.3	2900.9
30°	3171.1	3059.6	2715.2	2424.7	2208.6	2205.2	2424.7	2715.2	2708.4	2735.4	2830.0
32.5°	3073.2	2863.7	2536.1	2337.0	2130.9	2127.5	2401.1	2634.1	2627.4	2664.5	2735.4
35°	2982.0	2711.8	2293.1	2235.6	2033.0	2036.4	2343.7	2539.6	2543.0	2576.7	2620.6
37.5°	2887.4	2580.1	2026.2	2124.2	1938.5	1938.5	2266.0	2451.8	2445.0	2455.1	2516.0
40°	2776.0	2374.1	1789.9	1978.9	1850.6	1840.5	2171.5	2357.2	2333.5	2330.2	2414.7
42.5°	2657.7	2147.8	1614.3	1786.5	1749.3	1735.8	2056.6	2242.4	2198.5	2208.6	2316.7
45°	2529.4	2087.1	1479.2	1509.6	1644.6	1634.5	1931.7	2110.7	2080.2	2107.3	2218.8
47.5°	2401.1	1965.5	1435.3	1252.9	1533.2	1529.9	1793.2	1982.3	1965.5	1992.5	2110.7
50°	2225.5	1830.4	1431.9	1073.9	1408.3	1421.7	1627.7	1857.4	1857.4	1881.0	2005.9
52.5°	1999.2	1664.9	1300.2	972.6	1263.0	1303.6	1482.6	1749.3	1756.1	1779.7	1891.2
55°	1793.2	1492.7	1205.6	894.9	1090.8	1178.6	1340.7	1637.9	1651.4	1675.0	1776.3
57.5°	1604.1	1242.7	1185.4	803.8	932.1	1016.5	1215.7	1529.9	1536.6	1556.9	1654.8
60°	1401.5	898.3	1087.4	705.8	793.6	857.8	1101.0	1401.5	1425.1	1438.6	1523.0
62.5°	1171.8	651.8	986.1	638.2	726.1	739.6	1006.4	1279.9	1310.3	1320.4	1371.1
65°	834.1	547.1	837.5	580.9	655.2	658.5	905.1	1155.0	1182.0	1198.8	1236.0
67.5°	563.9	445.8	638.2	526.8	601.1	604.5	807.1	1009.7	1046.9	1060.4	1084.1
70°	391.7	297.2	472.8	469.5	540.3	547.1	702.5	878.1	911.8	921.9	935.4
72.5°	287.0	239.8	391.7	422.2	476.2	482.9	594.4	729.5	763.2	773.4	780.1
75°	219.5	253.3	317.5	368.1	405.2	408.6	486.3	594.4	618.0	624.8	628.1
77.5°	175.6	236.4	233.0	297.2	330.9	324.2	381.6	459.3	479.5	479.5	479.5
80°	131.7	185.7	175.6	212.7	243.2	236.4	273.6	327.6	334.3	341.1	337.7
82.5°	97.9	118.2	118.2	135.0	162.1	155.3	182.3	212.7	212.7	212.7	219.5
85°	60.7	67.6	54.0	70.9	91.2	87.8	101.3	114.8	118.2	118.2	111.4
87.5°	37.1	30.4	16.9	27.0	40.6	40.6	47.3	50.7	47.3	47.3	47.3
90°	27.6	19.2	10.6	19.2	27.6	29.7	46.8	69.4	80.8	71.8	53.8
92.5°	187.1	114.8	42.5	114.8	187.1	205.2	288.5	399.5	455.1	398.8	286.4
95°	366.7	234.4	102.1	234.4	366.7	399.8	709.8	1123.3	1330.0	1186.8	900.5
97.5°	409.9	293.2	176.4	293.2	409.9	439.1	956.1	1645.5	1990.2	1899.7	1718.7
100°	445.5	339.7	233.9	339.7	445.5	472.0	1045.7	1810.8	2193.3	2199.9	2213.2
102.5°	480.3	381.5	282.8	381.5	480.3	505.0	1086.9	1862.8	2250.7	2366.0	2596.6
105°	533.0	449.3	365.8	449.3	533.0	553.9	1117.4	1868.7	2244.3	2502.8	3019.7
107.5°	606.7	528.8	450.8	528.8	606.7	626.2	1123.0	1785.5	2116.7	2477.3	3198.3
110°	649.0	578.6	508.2	578.6	649.0	666.6	1114.5	1711.8	2010.4	2413.5	3219.5



TEST NUMBER: P935269

CATALOG NUMBER: SQ4-FA-100U-100D-935-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	698.7	631.7	564.5	631.7	698.7	715.5	1114.9	1647.4	1913.7	2326.2	3151.2
115°	773.4	711.5	649.6	711.5	773.4	788.9	1125.2	1573.6	1797.8	2195.2	2989.9
117.5°	846.0	789.8	733.6	789.8	846.0	860.1	1146.1	1527.4	1718.1	2076.7	2794.0
120°	888.4	835.4	782.5	835.4	888.4	901.6	1163.2	1511.9	1686.2	2013.9	2669.2
122.5°	937.1	883.8	830.4	883.8	937.1	950.5	1187.6	1503.7	1661.7	1956.8	2547.0
125°	1001.0	952.4	903.7	952.4	1001.0	1013.2	1220.5	1497.0	1635.2	1885.8	2387.1
127.5°	1061.5	1012.3	963.2	1012.3	1061.5	1073.8	1253.5	1493.0	1612.8	1828.1	2258.5
130°	1101.0	1048.0	995.1	1048.0	1101.0	1114.2	1277.6	1495.4	1604.3	1795.9	2179.2
132.5°	1133.9	1081.0	1028.1	1081.0	1133.9	1147.1	1297.0	1496.9	1596.8	1768.3	2111.4
135°	1173.4	1125.2	1077.0	1125.2	1173.4	1185.4	1318.3	1495.5	1584.1	1727.8	2015.0
137.5°	1222.4	1174.7	1126.9	1174.7	1222.4	1234.3	1350.2	1504.7	1582.0	1703.4	1946.3
140°	1256.3	1212.4	1168.4	1212.4	1256.3	1267.3	1369.7	1506.3	1574.5	1679.4	1889.2
142.5°	1281.6	1240.9	1200.3	1240.9	1281.6	1291.7	1385.9	1511.6	1574.5	1666.7	1851.0
145°	1320.1	1284.6	1249.2	1284.6	1320.1	1328.9	1407.2	1511.7	1563.9	1639.2	1790.0
147.5°	1367.1	1332.6	1298.1	1332.6	1367.1	1375.7	1438.4	1522.1	1563.9	1623.2	1741.8
150°	1392.3	1361.2	1330.0	1361.2	1392.3	1400.2	1454.8	1527.6	1563.9	1614.0	1714.1
152.5°	1410.2	1386.5	1362.9	1386.5	1410.2	1416.1	1465.4	1531.0	1563.9	1606.7	1692.2
155°	1446.9	1429.3	1411.8	1429.3	1446.9	1451.2	1488.8	1538.9	1563.9	1597.9	1665.9
157.5°	1482.1	1465.0	1448.0	1465.0	1482.1	1486.3	1512.2	1546.7	1563.9	1590.3	1643.3
160°	1498.9	1485.7	1472.4	1485.7	1498.9	1502.2	1522.8	1550.2	1563.9	1586.6	1631.9
162.5°	1516.7	1506.8	1496.9	1506.8	1516.7	1519.2	1534.1	1554.0	1563.9	1583.0	1621.3
165°	1541.4	1532.4	1523.5	1532.4	1541.4	1543.7	1550.4	1559.4	1563.9	1577.6	1605.0
167.5°	1556.4	1552.2	1547.9	1552.2	1556.4	1557.5	1563.2	1570.7	1574.5	1583.5	1601.5
170°	1572.5	1568.2	1563.9	1568.2	1572.5	1573.5	1573.8	1574.2	1574.5	1583.5	1601.5
172.5°	1574.2	1573.3	1572.4	1573.3	1574.2	1574.5	1574.5	1574.5	1574.5	1581.6	1595.8
175°	1584.1	1584.1	1584.1	1584.1	1584.1	1584.1	1580.9	1576.6	1574.5	1579.0	1588.0
177.5°	1584.1	1584.1	1584.1	1584.1	1584.1	1584.1	1581.7	1578.3	1576.6	1580.2	1587.3
180°	1584.1	1584.1	1584.1	1584.1	1584.1	1584.1	1584.1	1584.1	1584.1	1584.1	1584.1



TEST NUMBER: P935269

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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	3569.5	3569.5	3569.5	3569.5	3569.5	3569.5	3569.5	3569.5	3569.5	3569.5	3569.5
2.5°	3444.6	3434.5	3448.0	3410.8	3448.0	3434.5	3444.6	3468.2	3448.0	3461.5	3475.1
5°	3022.5	3005.6	2951.6	2907.7	2951.6	3005.6	3022.5	3093.4	3127.2	3187.9	3269.0
7.5°	2701.7	2688.1	2674.7	2647.6	2674.7	2688.1	2701.7	2721.9	2755.7	2809.7	2870.6
10°	2630.7	2634.1	2654.4	2651.0	2654.4	2634.1	2630.7	2624.0	2613.9	2624.0	2661.1
12.5°	2813.1	2843.5	2954.9	2948.2	2954.9	2843.5	2813.1	2678.0	2586.8	2570.0	2576.7
15°	3022.5	3032.6	3056.3	3059.6	3056.3	3032.6	3022.5	2968.5	2694.9	2576.7	2539.6
17.5°	3042.7	3046.2	3063.0	3063.0	3063.0	3046.2	3042.7	3019.1	2927.9	2769.2	2559.8
20°	3025.9	3032.6	3066.3	3073.2	3066.3	3032.6	3025.9	2995.5	2944.9	2887.4	2728.7
22.5°	3019.1	3032.6	3059.6	3056.3	3059.6	3032.6	3019.1	2971.9	2927.9	2887.4	2823.3
25°	2985.3	2985.3	2988.7	2992.1	2988.7	2985.3	2985.3	2948.2	2860.4	2850.3	2813.1
27.5°	2914.4	2921.2	2941.4	2938.0	2941.4	2921.2	2914.4	2900.9	2806.3	2796.3	2769.2
30°	2850.3	2843.5	2826.6	2813.1	2826.6	2843.5	2850.3	2830.0	2735.4	2708.4	2715.2
32.5°	2742.2	2725.3	2708.4	2698.3	2708.4	2725.3	2742.2	2735.4	2664.5	2627.4	2634.1
35°	2613.9	2617.3	2613.9	2603.7	2613.9	2617.3	2613.9	2620.6	2576.7	2543.0	2539.6
37.5°	2522.7	2529.4	2526.1	2512.5	2526.1	2529.4	2522.7	2516.0	2455.1	2445.0	2451.8
40°	2428.1	2431.5	2428.1	2418.0	2428.1	2431.5	2428.1	2414.7	2330.2	2333.5	2357.2
42.5°	2337.0	2333.5	2323.4	2316.7	2323.4	2333.5	2337.0	2316.7	2208.6	2198.5	2242.4
45°	2232.2	2235.6	2215.4	2205.2	2215.4	2235.6	2232.2	2218.8	2107.3	2080.2	2110.7
47.5°	2127.5	2127.5	2110.7	2100.5	2110.7	2127.5	2127.5	2110.7	1992.5	1965.5	1982.3
50°	2016.1	2012.8	1989.1	1985.8	1989.1	2012.8	2016.1	2005.9	1881.0	1857.4	1857.4
52.5°	1887.8	1887.8	1891.2	1897.9	1891.2	1887.8	1887.8	1891.2	1779.7	1756.1	1749.3
55°	1776.3	1779.7	1803.3	1810.1	1803.3	1779.7	1776.3	1776.3	1675.0	1651.4	1637.9
57.5°	1661.5	1661.5	1678.4	1678.4	1678.4	1661.5	1661.5	1654.8	1556.9	1536.6	1529.9
60°	1529.9	1536.6	1550.0	1546.7	1550.0	1536.6	1529.9	1523.0	1438.6	1425.1	1401.5
62.5°	1391.3	1398.1	1401.5	1394.7	1401.5	1398.1	1391.3	1371.1	1320.4	1310.3	1279.9
65°	1246.1	1252.9	1256.3	1249.5	1256.3	1252.9	1246.1	1236.0	1198.8	1182.0	1155.0
67.5°	1097.5	1094.1	1090.8	1104.3	1090.8	1094.1	1097.5	1084.1	1060.4	1046.9	1009.7
70°	945.5	945.5	942.2	949.0	942.2	945.5	945.5	935.4	921.9	911.8	878.1
72.5°	783.5	780.1	793.6	783.5	793.6	780.1	783.5	780.1	773.4	763.2	729.5
75°	624.8	631.5	624.8	634.9	624.8	631.5	624.8	628.1	624.8	618.0	594.4
77.5°	476.2	482.9	476.2	476.2	476.2	482.9	476.2	479.5	479.5	479.5	459.3
80°	337.7	334.3	334.3	330.9	334.3	334.3	337.7	337.7	341.1	334.3	327.6
82.5°	216.2	212.7	212.7	219.5	212.7	212.7	216.2	219.5	212.7	212.7	212.7
85°	118.2	121.6	114.8	114.8	114.8	121.6	118.2	111.4	118.2	118.2	114.8
87.5°	43.9	40.6	40.6	40.6	40.6	40.6	43.9	47.3	47.3	47.3	50.7
90°	40.4	40.4	40.4	40.4	40.4	40.4	40.4	53.8	71.8	80.8	69.4
92.5°	202.0	194.0	161.8	129.7	161.8	194.0	202.0	286.4	398.8	455.1	399.5
95°	685.7	661.3	564.0	466.7	564.0	661.3	685.7	900.5	1186.8	1330.0	1123.3
97.5°	1583.0	1536.8	1351.5	1166.3	1351.5	1536.8	1583.0	1718.7	1899.7	1990.2	1645.5
100°	2223.0	2167.9	1947.2	1726.6	1947.2	2167.9	2223.0	2213.2	2199.9	2193.3	1810.8
102.5°	2769.5	2722.2	2533.3	2344.3	2533.3	2722.2	2769.5	2596.6	2366.0	2250.7	1862.8
105°	3407.4	3382.0	3280.4	3178.8	3280.4	3382.0	3407.4	3019.7	2502.8	2244.3	1868.7
107.5°	3739.1	3745.2	3769.8	3794.4	3769.8	3745.2	3739.1	3198.3	2477.3	2116.7	1785.5
110°	3824.1	3850.6	3956.4	4062.3	3956.4	3850.6	3824.1	3219.5	2413.5	2010.4	1711.8



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3769.9	3810.6	3973.1	4135.7	3973.1	3810.6	3769.9	3151.2	2326.2	1913.7	1647.4
115°	3586.0	3642.3	3867.7	4093.1	3867.7	3642.3	3586.0	2989.9	2195.2	1797.8	1573.6
117.5°	3331.9	3394.4	3644.3	3894.3	3644.3	3394.4	3331.9	2794.0	2076.7	1718.1	1527.4
120°	3160.7	3221.5	3464.3	3707.2	3464.3	3221.5	3160.7	2669.2	2013.9	1686.2	1511.9
122.5°	2989.6	3049.5	3289.0	3528.6	3289.0	3049.5	2989.6	2547.0	1956.8	1661.7	1503.7
125°	2763.1	2818.2	3038.9	3259.6	3038.9	2818.2	2763.1	2387.1	1885.8	1635.2	1497.0
127.5°	2581.3	2627.8	2814.1	3000.2	2814.1	2627.8	2581.3	2258.5	1828.1	1612.8	1493.0
130°	2466.5	2509.6	2681.5	2853.5	2681.5	2509.6	2466.5	2179.2	1795.9	1604.3	1495.4
132.5°	2368.7	2407.2	2561.3	2715.3	2561.3	2407.2	2368.7	2111.4	1768.3	1596.8	1496.9
135°	2230.5	2263.7	2396.4	2529.2	2396.4	2263.7	2230.5	2015.0	1727.8	1584.1	1495.5
137.5°	2128.5	2155.6	2264.3	2373.0	2264.3	2155.6	2128.5	1946.3	1703.4	1582.0	1504.7
140°	2046.6	2072.0	2173.6	2275.2	2173.6	2072.0	2046.6	1889.2	1679.4	1574.5	1506.3
142.5°	1989.2	2011.0	2098.4	2185.8	2098.4	2011.0	1989.2	1851.0	1666.7	1574.5	1511.6
145°	1903.0	1919.6	1985.8	2051.9	1985.8	1919.6	1903.0	1790.0	1639.2	1563.9	1511.7
147.5°	1830.8	1844.5	1899.3	1954.1	1899.3	1844.5	1830.8	1741.8	1623.2	1563.9	1522.1
150°	1789.3	1800.4	1844.8	1889.2	1844.8	1800.4	1789.3	1714.1	1614.0	1563.9	1527.6
152.5°	1756.3	1764.7	1798.2	1831.8	1798.2	1764.7	1756.3	1692.2	1606.7	1563.9	1531.0
155°	1717.0	1722.5	1744.7	1767.0	1744.7	1722.5	1717.0	1665.9	1597.9	1563.9	1538.9
157.5°	1683.0	1686.9	1702.5	1718.1	1702.5	1686.9	1683.0	1643.3	1590.3	1563.9	1546.7
160°	1665.9	1668.1	1677.2	1686.2	1677.2	1668.1	1665.9	1631.9	1586.6	1563.9	1550.2
162.5°	1650.0	1652.1	1660.6	1669.2	1660.6	1652.1	1650.0	1621.3	1583.0	1563.9	1554.0
165°	1625.5	1627.7	1636.8	1645.7	1636.8	1627.7	1625.5	1605.0	1577.6	1563.9	1559.4
167.5°	1615.0	1615.9	1619.7	1623.4	1619.7	1615.9	1615.0	1601.5	1583.5	1574.5	1570.7
170°	1615.0	1615.0	1615.0	1615.0	1615.0	1615.0	1615.0	1601.5	1583.5	1574.5	1574.2
172.5°	1606.4	1605.6	1602.3	1598.9	1602.3	1605.6	1606.4	1595.8	1581.6	1574.5	1574.5
175°	1594.7	1594.7	1594.7	1594.7	1594.7	1594.7	1594.7	1588.0	1579.0	1574.5	1576.6
177.5°	1592.6	1591.6	1587.9	1584.1	1587.9	1591.6	1592.6	1587.3	1580.2	1576.6	1578.3
180°	1584.1	1584.1	1584.1	1584.1	1584.1	1584.1	1584.1	1584.1	1584.1	1584.1	1584.1



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	3569.5	3569.5	3569.5	3569.5	3569.5
2.5°	3525.7	3542.5	3552.7	3566.2	3600.0
5°	3390.6	3454.8	3475.1	3525.7	3586.5
7.5°	3093.4	3289.3	3343.3	3464.9	3559.4
10°	2806.3	3002.2	3096.8	3383.8	3525.7
12.5°	2661.1	2776.0	2840.1	3242.0	3478.4
15°	2570.0	2651.0	2698.3	3052.9	3424.4
17.5°	2499.0	2556.4	2590.3	2867.2	3350.1
20°	2455.1	2482.1	2512.5	2732.0	3265.6
22.5°	2424.7	2407.8	2431.5	2637.5	3150.8
25°	2404.5	2340.4	2367.4	2563.2	3015.7
27.5°	2421.4	2279.5	2289.7	2495.7	2873.9
30°	2424.7	2205.2	2208.6	2424.7	2715.2
32.5°	2401.1	2127.5	2130.9	2337.0	2536.1
35°	2343.7	2036.4	2033.0	2235.6	2293.1
37.5°	2266.0	1938.5	1938.5	2124.2	2026.2
40°	2171.5	1840.5	1850.6	1978.9	1789.9
42.5°	2056.6	1735.8	1749.3	1786.5	1614.3
45°	1931.7	1634.5	1644.6	1509.6	1479.2
47.5°	1793.2	1529.9	1533.2	1252.9	1435.3
50°	1627.7	1421.7	1408.3	1073.9	1431.9
52.5°	1482.6	1303.6	1263.0	972.6	1300.2
55°	1340.7	1178.6	1090.8	894.9	1205.6
57.5°	1215.7	1016.5	932.1	803.8	1185.4
60°	1101.0	857.8	793.6	705.8	1087.4
62.5°	1006.4	739.6	726.1	638.2	986.1
65°	905.1	658.5	655.2	580.9	837.5
67.5°	807.1	604.5	601.1	526.8	638.2
70°	702.5	547.1	540.3	469.5	472.8
72.5°	594.4	482.9	476.2	422.2	391.7
75°	486.3	408.6	405.2	368.1	317.5
77.5°	381.6	324.2	330.9	297.2	233.0
80°	273.6	236.4	243.2	212.7	175.6
82.5°	182.3	155.3	162.1	135.0	118.2
85°	101.3	87.8	91.2	70.9	54.0
87.5°	47.3	40.6	40.6	27.0	16.9
90°	46.8	29.7	27.6	19.2	10.6
92.5°	288.5	205.2	187.1	114.8	42.5
95°	709.8	399.8	366.7	234.4	102.1
97.5°	956.1	439.1	409.9	293.2	176.4
100°	1045.7	472.0	445.5	339.7	233.9
102.5°	1086.9	505.0	480.3	381.5	282.8
105°	1117.4	553.9	533.0	449.3	365.8
107.5°	1123.0	626.2	606.7	528.8	450.8
110°	1114.5	666.6	649.0	578.6	508.2



TEST NUMBER: P935269
 CATALOG NUMBER: SQ4-FA-100U-100D-935-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1114.9	715.5	698.7	631.7	564.5
115°	1125.2	788.9	773.4	711.5	649.6
117.5°	1146.1	860.1	846.0	789.8	733.6
120°	1163.2	901.6	888.4	835.4	782.5
122.5°	1187.6	950.5	937.1	883.8	830.4
125°	1220.5	1013.2	1001.0	952.4	903.7
127.5°	1253.5	1073.8	1061.5	1012.3	963.2
130°	1277.6	1114.2	1101.0	1048.0	995.1
132.5°	1297.0	1147.1	1133.9	1081.0	1028.1
135°	1318.3	1185.4	1173.4	1125.2	1077.0
137.5°	1350.2	1234.3	1222.4	1174.7	1126.9
140°	1369.7	1267.3	1256.3	1212.4	1168.4
142.5°	1385.9	1291.7	1281.6	1240.9	1200.3
145°	1407.2	1328.9	1320.1	1284.6	1249.2
147.5°	1438.4	1375.7	1367.1	1332.6	1298.1
150°	1454.8	1400.2	1392.3	1361.2	1330.0
152.5°	1465.4	1416.1	1410.2	1386.5	1362.9
155°	1488.8	1451.2	1446.9	1429.3	1411.8
157.5°	1512.2	1486.3	1482.1	1465.0	1448.0
160°	1522.8	1502.2	1498.9	1485.7	1472.4
162.5°	1534.1	1519.2	1516.7	1506.8	1496.9
165°	1550.4	1543.7	1541.4	1532.4	1523.5
167.5°	1563.2	1557.5	1556.4	1552.2	1547.9
170°	1573.8	1573.5	1572.5	1568.2	1563.9
172.5°	1574.5	1574.5	1574.2	1573.3	1572.4
175°	1580.9	1584.1	1584.1	1584.1	1584.1
177.5°	1581.7	1584.1	1584.1	1584.1	1584.1
180°	1584.1	1584.1	1584.1	1584.1	1584.1



TEST NUMBER: P935269
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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	12.91	13.75	13.89	14.74	16.05	15.76	16.60	16.74	17.59	18.90
	3H	13.39	14.14	14.38	15.14	16.47	17.11	17.87	18.10	18.87	20.20
	4H	13.58	14.29	14.58	15.29	16.63	17.56	18.27	18.57	19.28	20.61
	6H	13.70	14.35	14.71	15.36	16.71	17.85	18.51	18.86	19.52	20.87
	8H	13.70	14.32	14.72	15.35	16.69	17.93	18.55	18.95	19.58	20.92
	12H	13.67	14.26	14.69	15.28	16.65	17.97	18.56	18.99	19.58	20.95
4H	2H	13.95	14.66	14.96	15.66	17.00	16.17	16.88	17.18	17.89	19.22
	3H	14.97	15.57	15.99	16.60	17.95	17.68	18.27	18.70	19.31	20.66
	4H	15.25	15.79	16.27	16.82	18.19	18.21	18.75	19.24	19.78	21.15
	6H	15.37	15.84	16.41	16.89	18.26	18.58	19.05	19.62	20.10	21.47
	8H	15.38	15.81	16.41	16.85	18.24	18.69	19.13	19.73	20.17	21.55
	12H	15.34	15.74	16.40	16.79	18.18	18.75	19.14	19.81	20.20	21.59
8H	4H	15.70	16.14	16.74	17.18	18.57	18.33	18.77	19.37	19.81	21.20
	6H	15.96	16.32	17.02	17.41	18.79	18.77	19.13	19.84	20.22	21.60
	8H	16.01	16.32	17.07	17.39	18.79	18.93	19.25	20.00	20.31	21.72
	12H	15.99	16.27	17.06	17.33	18.77	19.03	19.31	20.10	20.37	21.82
12H	4H	15.71	16.10	16.76	17.16	18.55	18.30	18.69	19.35	19.75	21.14
	6H	16.02	16.34	17.09	17.41	18.81	18.77	19.09	19.84	20.16	21.56
	8H	16.09	16.37	17.16	17.43	18.88	18.93	19.21	20.01	20.28	21.72