

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: P935256

Luminaire Tested: SQ4-FA-100U-100D-93050-1D-UNV-STD-W-12-5000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935256
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-93050-1D-UNV-STD-W-12-5000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

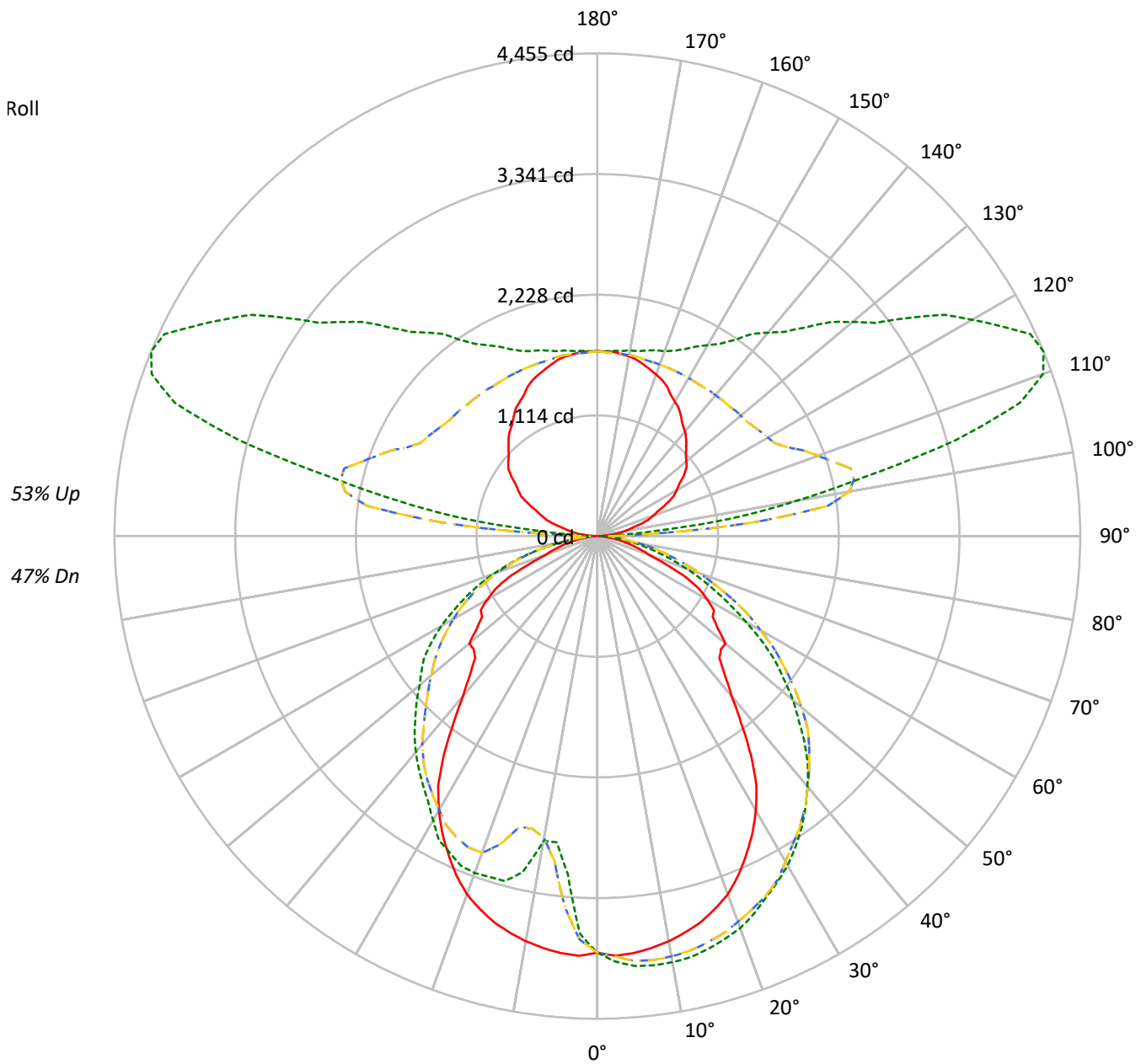
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21036.3 lumens
Efficiency: N/A
Efficacy: 120.9 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: P935256
CATALOG NUMBER: SQ4-FA-100U-100D-93050-1D-UNV-STD-W-12-5000K

Luminous Intensity Polar Plot



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



TEST NUMBER: P935256

CATALOG NUMBER: SQ4-FA-100U-100D-93050-1D-UNV-STD-W-12-5000K

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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	11892	11892	11892	11892
5°	11985	12005	11985	9439
10°	11910	11825	11910	8454
15°	11785	11569	11785	9660
20°	11543	11266	11543	9681
25°	11043	10823	11043	9475
30°	10395	10455	10395	9025
35°	9272	9990	9272	8530
40°	7730	9443	7730	8156
45°	6911	8803	6911	7726
50°	7349	8039	7349	7295
55°	6920	7216	6920	7044
60°	7143	6128	7143	6452
65°	6486	5066	6486	5663
70°	4502	4037	4502	4747
75°	3963	2984	3963	3574
80°	3216	1973	3216	2148
85°	1886	1045	1886	888

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 10586 cd/sqm



TEST NUMBER: P935256

CATALOG NUMBER: SQ4-FA-100U-100D-93050-1D-UNV-STD-W-12-5000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	347.1	1.6
10°-20°	985.4	4.7
20°-30°	1523.3	7.2
30°-40°	1818.4	8.6
40°-50°	1829.1	8.7
50°-60°	1591.5	7.6
60°-70°	1128.4	5.4
70°-80°	597.0	2.8
80°-90°	155.2	0.7
90°-100°	831.7	4.0
100°-110°	2186.6	10.4
110°-120°	2267.3	10.8
120°-130°	1818.6	8.6
130°-140°	1427.0	6.8
140°-150°	1095.3	5.2
150°-160°	788.8	3.7
160°-170°	482.6	2.3
170°-180°	163.0	0.8
0°-30°	2855.7	13.6
0°-40°	4674.2	22.2
0°-60°	8094.8	38.5
0°-90°	9975.4	47.4
90°-120°	5285.6	25.1
90°-150°	9626.5	45.8
90°-180°	11061.0	52.6
0°-180°	21036.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3845	3845	3845	3845	3845	
5°	3863	3983	3863	3132	3863	366
15°	3688	3947	3688	3296	3688	1038
25°	3248	3681	3248	3223	3248	1491
35°	2470	3285	2470	2804	2470	1528
45°	1593	2706	1593	2375	1593	1276
55°	1298	1997	1298	1950	1298	1193
65°	902	1204	902	1346	902	862
75°	342	571	342	684	342	359
85°	58	146	58	124	58	79
90°	12	44	12	44	12	12
95°	110	503	110	503	110	122
105°	394	3424	394	3424	394	418
115°	700	4409	700	4409	700	691
125°	973	3511	973	3511	973	864
135°	1160	2724	1160	2724	1160	898
145°	1346	2210	1346	2210	1346	843
155°	1521	1903	1521	1903	1521	699
165°	1641	1773	1641	1773	1641	463
175°	1706	1718	1706	1718	1706	162
180°	1706	1706	1706	1706	1706	



TEST NUMBER: P935256

CATALOG NUMBER: SQ4-FA-100U-100D-93050-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	3844.8	3844.8	3844.8	3844.8	3844.8	3844.8	3844.8	3844.8	3844.8	3844.8	3844.8
2.5°	3877.5	3877.5	3899.4	3906.6	3906.6	3895.7	3884.8	3895.7	3928.5	3939.4	3935.7
5°	3863.0	3892.1	3932.1	3939.4	3946.6	3943.1	3935.7	3943.1	3979.4	3986.7	3990.3
7.5°	3833.9	3888.5	3939.4	3950.3	3961.2	3950.3	3946.6	3954.0	3990.3	3997.6	3997.6
10°	3797.5	3874.0	3932.1	3939.4	3950.3	3939.4	3939.4	3954.0	3990.3	3997.6	4001.2
12.5°	3746.6	3852.1	3906.6	3914.0	3928.5	3924.8	3921.2	3935.7	3972.2	3979.4	3979.4
15°	3688.4	3812.1	3863.0	3870.3	3895.7	3888.5	3888.5	3903.0	3943.1	3954.0	3950.3
17.5°	3608.4	3761.2	3819.4	3830.3	3848.4	3844.8	3848.4	3863.0	3899.4	3906.6	3910.3
20°	3517.4	3692.1	3761.2	3772.1	3790.3	3790.3	3790.3	3808.4	3844.8	3859.4	3859.4
22.5°	3393.7	3619.3	3692.1	3699.3	3721.2	3721.2	3728.4	3753.8	3786.6	3790.3	3790.3
25°	3248.3	3539.3	3601.1	3623.0	3644.7	3655.6	3666.6	3681.1	3692.1	3688.4	3692.1
27.5°	3095.5	3437.4	3517.4	3532.0	3561.1	3572.0	3586.5	3590.2	3593.8	3604.7	3597.5
30°	2924.5	3295.5	3415.6	3430.2	3477.4	3484.7	3470.2	3477.4	3495.6	3502.9	3510.2
32.5°	2731.7	3084.6	3310.1	3342.8	3386.5	3364.6	3361.1	3372.0	3401.1	3401.1	3408.3
35°	2469.9	2920.9	3211.9	3241.0	3273.7	3248.3	3262.8	3266.4	3284.6	3295.5	3292.0
37.5°	2182.5	2779.1	3110.1	3131.9	3157.3	3124.6	3146.4	3157.3	3171.9	3164.6	3164.6
40°	1927.9	2557.2	2990.0	3004.5	3026.4	3001.0	3022.7	3030.0	3037.3	3030.0	3026.4
42.5°	1738.8	2313.4	2862.7	2880.9	2866.3	2884.5	2891.7	2906.3	2895.4	2880.9	2880.9
45°	1593.2	2248.0	2724.5	2746.3	2724.5	2753.5	2764.5	2764.5	2731.7	2724.5	2720.9
47.5°	1545.9	2117.0	2586.2	2586.2	2575.3	2611.7	2629.9	2604.4	2571.7	2560.8	2560.8
50°	1542.3	1971.5	2397.1	2382.5	2433.5	2477.1	2459.0	2433.5	2408.0	2368.0	2368.0
52.5°	1400.4	1793.3	2153.4	2208.0	2288.0	2313.4	2284.3	2258.9	2215.2	2197.1	2182.5
55°	1298.5	1607.8	1931.5	2040.6	2124.3	2157.0	2102.4	2077.0	2011.5	2000.6	1993.3
57.5°	1276.8	1338.5	1727.8	1866.0	1967.9	1964.2	1931.5	1884.2	1829.6	1818.8	1815.1
60°	1171.3	967.5	1509.5	1673.2	1778.8	1767.8	1738.8	1695.1	1644.1	1636.9	1629.6
62.5°	1062.1	702.0	1262.2	1447.8	1596.9	1593.2	1567.8	1502.3	1465.9	1447.8	1433.2
65°	902.1	589.3	898.4	1204.0	1418.6	1425.9	1371.3	1324.1	1284.0	1262.2	1258.5
67.5°	687.4	480.1	607.4	1004.0	1247.7	1240.4	1171.3	1149.4	1098.5	1087.6	1065.8
70°	509.2	320.1	422.0	814.8	1080.3	1062.1	1007.5	982.1	934.9	909.3	894.8
72.5°	422.0	258.2	309.2	632.9	909.3	887.5	840.2	811.2	771.1	749.3	734.8
75°	341.9	272.8	236.4	469.2	738.4	723.9	680.2	651.1	618.3	589.3	592.9
77.5°	251.0	254.7	189.1	345.6	585.7	563.8	538.3	502.0	487.4	458.3	458.3
80°	189.1	200.1	141.9	236.4	422.0	422.0	400.1	374.7	349.2	334.7	334.7
82.5°	127.3	127.3	105.4	149.1	287.3	276.4	261.9	254.7	240.1	232.8	232.8
85°	58.2	72.8	65.4	90.9	156.4	163.7	163.7	156.4	152.8	145.5	149.1
87.5°	18.2	32.8	40.0	50.9	80.0	83.7	87.3	87.3	87.3	90.9	90.9
90°	11.5	20.6	29.7	32.0	50.4	74.8	87.0	77.4	58.0	43.5	43.5
92.5°	45.8	123.6	201.5	221.0	310.7	430.3	490.1	429.6	308.4	217.6	209.0
95°	109.9	252.5	395.0	430.6	764.5	1209.9	1432.5	1278.3	969.9	738.6	712.3
97.5°	190.1	315.8	441.5	473.0	1029.8	1772.3	2143.6	2046.2	1851.3	1705.1	1655.2
100°	251.9	365.9	479.9	508.4	1126.4	1950.4	2362.4	2369.6	2383.8	2394.4	2335.1
102.5°	304.6	410.9	517.3	543.9	1170.7	2006.4	2424.3	2548.4	2796.8	2983.1	2932.1
105°	394.0	484.0	574.1	596.6	1203.6	2012.8	2417.4	2695.8	3252.6	3670.1	3642.8
107.5°	485.6	569.5	653.5	674.5	1209.6	1923.1	2279.9	2668.3	3444.9	4027.4	4034.0
110°	547.4	623.2	699.0	718.0	1200.4	1843.7	2165.4	2599.6	3467.8	4119.0	4147.5



TEST NUMBER: P935256

CATALOG NUMBER: SQ4-FA-100U-100D-93050-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	608.1	680.4	752.6	770.7	1200.9	1774.5	2061.2	2505.6	3394.2	4060.6	4104.4
115°	699.7	766.4	833.0	849.7	1211.9	1694.9	1936.4	2364.4	3220.5	3862.5	3923.1
117.5°	790.1	850.7	911.3	926.4	1234.5	1645.2	1850.5	2236.8	3009.4	3588.8	3656.1
120°	842.8	899.8	956.9	971.1	1252.8	1628.4	1816.2	2169.2	2875.0	3404.5	3469.9
122.5°	894.4	951.9	1009.4	1023.8	1279.2	1619.6	1789.9	2107.7	2743.4	3220.1	3284.6
125°	973.4	1025.8	1078.2	1091.3	1314.6	1612.4	1761.2	2031.2	2571.2	2976.2	3035.6
127.5°	1037.5	1090.4	1143.4	1156.6	1350.1	1608.2	1737.2	1969.0	2432.6	2780.3	2830.4
130°	1071.9	1128.9	1185.8	1200.1	1376.1	1610.7	1728.0	1934.4	2347.2	2656.7	2703.1
132.5°	1107.4	1164.4	1221.4	1235.6	1397.0	1612.3	1719.9	1904.7	2274.2	2551.4	2592.9
135°	1160.1	1211.9	1263.8	1276.8	1419.9	1610.8	1706.3	1861.0	2170.3	2402.4	2438.2
137.5°	1213.8	1265.2	1316.6	1329.5	1454.3	1620.7	1704.0	1834.7	2096.4	2292.6	2321.9
140°	1258.5	1305.9	1353.1	1365.0	1475.3	1622.4	1695.9	1808.9	2034.9	2204.4	2231.7
142.5°	1292.8	1336.6	1380.4	1391.3	1492.8	1628.2	1695.9	1795.2	1993.7	2142.5	2166.0
145°	1345.5	1383.7	1421.9	1431.4	1515.8	1628.3	1684.5	1765.6	1928.0	2049.8	2067.6
147.5°	1398.2	1435.4	1472.5	1481.8	1549.3	1639.5	1684.5	1748.4	1876.1	1971.9	1986.7
150°	1432.5	1466.1	1499.7	1508.1	1567.0	1645.3	1684.5	1738.5	1846.3	1927.3	1939.2
152.5°	1468.0	1493.5	1519.0	1525.3	1578.3	1649.1	1684.5	1730.6	1822.6	1891.7	1900.7
155°	1520.7	1539.5	1558.4	1563.1	1603.6	1657.5	1684.5	1721.1	1794.4	1849.3	1855.3
157.5°	1559.6	1578.0	1596.3	1600.9	1628.8	1666.0	1684.5	1713.0	1770.0	1812.7	1816.9
160°	1586.0	1600.3	1614.5	1618.1	1640.2	1669.7	1684.5	1708.9	1757.8	1794.4	1796.8
162.5°	1612.3	1622.9	1633.7	1636.3	1652.4	1673.8	1684.5	1705.1	1746.3	1777.2	1779.5
165°	1640.9	1650.6	1660.3	1662.7	1669.9	1679.7	1684.5	1699.3	1728.8	1750.9	1753.3
167.5°	1667.3	1671.9	1676.4	1677.6	1683.7	1691.9	1695.9	1705.6	1725.0	1739.5	1740.5
170°	1684.5	1689.1	1693.7	1694.8	1695.2	1695.6	1695.9	1705.6	1725.0	1739.5	1739.5
172.5°	1693.6	1694.6	1695.6	1695.9	1695.9	1695.9	1695.9	1703.5	1718.8	1730.3	1729.4
175°	1706.3	1706.3	1706.3	1706.3	1702.8	1698.2	1695.9	1700.8	1710.4	1717.6	1717.6
177.5°	1706.3	1706.3	1706.3	1706.3	1703.6	1700.0	1698.2	1702.0	1709.7	1715.4	1714.3
180°	1706.3	1706.3	1706.3	1706.3	1706.3	1706.3	1706.3	1706.3	1706.3	1706.3	1706.3



TEST NUMBER: P935256

CATALOG NUMBER: SQ4-FA-100U-100D-93050-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	3844.8	3844.8	3844.8	3844.8	3844.8	3844.8	3844.8	3844.8	3844.8	3844.8	3844.8
2.5°	3943.1	3932.1	3943.1	3935.7	3939.4	3928.5	3895.7	3884.8	3895.7	3906.6	3906.6
5°	3990.3	3983.1	3990.3	3990.3	3986.7	3979.4	3943.1	3935.7	3943.1	3946.6	3939.4
7.5°	4004.8	3994.0	4004.8	3997.6	3997.6	3990.3	3954.0	3946.6	3950.3	3961.2	3950.3
10°	4004.8	3994.0	4004.8	4001.2	3997.6	3990.3	3954.0	3939.4	3939.4	3950.3	3939.4
12.5°	3986.7	3979.4	3986.7	3979.4	3979.4	3972.2	3935.7	3921.2	3924.8	3928.5	3914.0
15°	3957.6	3946.6	3957.6	3950.3	3954.0	3943.1	3903.0	3888.5	3888.5	3895.7	3870.3
17.5°	3914.0	3899.4	3914.0	3910.3	3906.6	3899.4	3863.0	3848.4	3844.8	3848.4	3830.3
20°	3863.0	3852.1	3863.0	3859.4	3859.4	3844.8	3808.4	3790.3	3790.3	3790.3	3772.1
22.5°	3783.0	3772.1	3783.0	3790.3	3790.3	3786.6	3753.8	3728.4	3721.2	3721.2	3699.3
25°	3692.1	3681.1	3692.1	3692.1	3688.4	3692.1	3681.1	3666.6	3655.6	3644.7	3623.0
27.5°	3604.7	3597.5	3604.7	3597.5	3604.7	3593.8	3590.2	3586.5	3572.0	3561.1	3532.0
30°	3517.4	3510.2	3517.4	3510.2	3502.9	3495.6	3477.4	3470.2	3484.7	3477.4	3430.2
32.5°	3408.3	3401.1	3408.3	3408.3	3401.1	3401.1	3372.0	3361.1	3364.6	3386.5	3342.8
35°	3295.5	3284.6	3295.5	3292.0	3295.5	3284.6	3266.4	3262.8	3248.3	3273.7	3241.0
37.5°	3164.6	3153.7	3164.6	3164.6	3164.6	3171.9	3157.3	3146.4	3124.6	3157.3	3131.9
40°	3030.0	3015.5	3030.0	3026.4	3030.0	3037.3	3030.0	3022.7	3001.0	3026.4	3004.5
42.5°	2877.2	2873.6	2877.2	2880.9	2880.9	2895.4	2906.3	2891.7	2884.5	2866.3	2880.9
45°	2713.5	2706.3	2713.5	2720.9	2724.5	2731.7	2764.5	2764.5	2753.5	2724.5	2746.3
47.5°	2539.0	2520.8	2539.0	2560.8	2560.8	2571.7	2604.4	2629.9	2611.7	2575.3	2586.2
50°	2353.4	2357.1	2353.4	2368.0	2368.0	2408.0	2433.5	2459.0	2477.1	2433.5	2382.5
52.5°	2171.5	2168.0	2171.5	2182.5	2197.1	2215.2	2258.9	2284.3	2313.4	2288.0	2208.0
55°	1989.7	1997.0	1989.7	1993.3	2000.6	2011.5	2077.0	2102.4	2157.0	2124.3	2040.6
57.5°	1807.9	1796.9	1807.9	1815.1	1818.8	1829.6	1884.2	1931.5	1964.2	1967.9	1866.0
60°	1596.9	1582.3	1596.9	1629.6	1636.9	1644.1	1695.1	1738.8	1767.8	1778.8	1673.2
62.5°	1411.3	1385.9	1411.3	1433.2	1447.8	1465.9	1502.3	1567.8	1593.2	1596.9	1447.8
65°	1214.9	1204.0	1214.9	1258.5	1262.2	1284.0	1324.1	1371.3	1425.9	1418.6	1204.0
67.5°	1036.7	1036.7	1036.7	1065.8	1087.6	1098.5	1149.4	1171.3	1240.4	1247.7	1004.0
70°	873.0	869.3	873.0	894.8	909.3	934.9	982.1	1007.5	1062.1	1080.3	814.8
72.5°	716.6	713.0	716.6	734.8	749.3	771.1	811.2	840.2	887.5	909.3	632.9
75°	578.3	571.1	578.3	592.9	589.3	618.3	651.1	680.2	723.9	738.4	469.2
77.5°	443.8	443.8	443.8	458.3	458.3	487.4	502.0	538.3	563.8	585.7	345.6
80°	331.0	327.3	331.0	334.7	334.7	349.2	374.7	400.1	422.0	422.0	236.4
82.5°	232.8	225.5	232.8	232.8	232.8	240.1	254.7	261.9	276.4	287.3	149.1
85°	145.5	145.5	145.5	149.1	145.5	152.8	156.4	163.7	163.7	156.4	90.9
87.5°	94.6	90.9	94.6	90.9	90.9	87.3	87.3	87.3	83.7	80.0	50.9
90°	43.5	43.5	43.5	43.5	43.5	58.0	77.4	87.0	74.8	50.4	32.0
92.5°	174.3	139.7	174.3	209.0	217.6	308.4	429.6	490.1	430.3	310.7	221.0
95°	607.5	502.7	607.5	712.3	738.6	969.9	1278.3	1432.5	1209.9	764.5	430.6
97.5°	1455.7	1256.2	1455.7	1655.2	1705.1	1851.3	2046.2	2143.6	1772.3	1029.8	473.0
100°	2097.4	1859.7	2097.4	2335.1	2394.4	2383.8	2369.6	2362.4	1950.4	1126.4	508.4
102.5°	2728.6	2525.0	2728.6	2932.1	2983.1	2796.8	2548.4	2424.3	2006.4	1170.7	543.9
105°	3533.3	3423.9	3533.3	3642.8	3670.1	3252.6	2695.8	2417.4	2012.8	1203.6	596.6
107.5°	4060.5	4087.0	4060.5	4034.0	4027.4	3444.9	2668.3	2279.9	1923.1	1209.6	674.5
110°	4261.5	4375.6	4261.5	4147.5	4119.0	3467.8	2599.6	2165.4	1843.7	1200.4	718.0



TEST NUMBER: P935256

CATALOG NUMBER: SQ4-FA-100U-100D-93050-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	4279.5	4454.6	4279.5	4104.4	4060.6	3394.2	2505.6	2061.2	1774.5	1200.9	770.7
115°	4166.0	4408.7	4166.0	3923.1	3862.5	3220.5	2364.4	1936.4	1694.9	1211.9	849.7
117.5°	3925.3	4194.6	3925.3	3656.1	3588.8	3009.4	2236.8	1850.5	1645.2	1234.5	926.4
120°	3731.4	3993.1	3731.4	3469.9	3404.5	2875.0	2169.2	1816.2	1628.4	1252.8	971.1
122.5°	3542.6	3800.6	3542.6	3284.6	3220.1	2743.4	2107.7	1789.9	1619.6	1279.2	1023.8
125°	3273.2	3510.9	3273.2	3035.6	2976.2	2571.2	2031.2	1761.2	1612.4	1314.6	1091.3
127.5°	3031.1	3231.6	3031.1	2830.4	2780.3	2432.6	1969.0	1737.2	1608.2	1350.1	1156.6
130°	2888.3	3073.5	2888.3	2703.1	2656.7	2347.2	1934.4	1728.0	1610.7	1376.1	1200.1
132.5°	2758.8	2924.7	2758.8	2592.9	2551.4	2274.2	1904.7	1719.9	1612.3	1397.0	1235.6
135°	2581.2	2724.3	2581.2	2438.2	2402.4	2170.3	1861.0	1706.3	1610.8	1419.9	1276.8
137.5°	2438.9	2556.0	2438.9	2321.9	2292.6	2096.4	1834.7	1704.0	1620.7	1454.3	1329.5
140°	2341.2	2450.6	2341.2	2231.7	2204.4	2034.9	1808.9	1695.9	1622.4	1475.3	1365.0
142.5°	2260.2	2354.3	2260.2	2166.0	2142.5	1993.7	1795.2	1695.9	1628.2	1492.8	1391.3
145°	2138.9	2210.1	2138.9	2067.6	2049.8	1928.0	1765.6	1684.5	1628.3	1515.8	1431.4
147.5°	2045.7	2104.7	2045.7	1986.7	1971.9	1876.1	1748.4	1684.5	1639.5	1549.3	1481.8
150°	1987.1	2034.9	1987.1	1939.2	1927.3	1846.3	1738.5	1684.5	1645.3	1567.0	1508.1
152.5°	1936.9	1973.0	1936.9	1900.7	1891.7	1822.6	1730.6	1684.5	1649.1	1578.3	1525.3
155°	1879.3	1903.2	1879.3	1855.3	1849.3	1794.4	1721.1	1684.5	1657.5	1603.6	1563.1
157.5°	1833.7	1850.5	1833.7	1816.9	1812.7	1770.0	1713.0	1684.5	1666.0	1628.8	1600.9
160°	1806.5	1816.2	1806.5	1796.8	1794.4	1757.8	1708.9	1684.5	1669.7	1640.2	1618.1
162.5°	1788.7	1797.9	1788.7	1779.5	1777.2	1746.3	1705.1	1684.5	1673.8	1652.4	1636.3
165°	1763.0	1772.6	1763.0	1753.3	1750.9	1728.8	1699.3	1684.5	1679.7	1669.9	1662.7
167.5°	1744.5	1748.6	1744.5	1740.5	1739.5	1725.0	1705.6	1695.9	1691.9	1683.7	1677.6
170°	1739.5	1739.5	1739.5	1739.5	1739.5	1725.0	1705.6	1695.9	1695.6	1695.2	1694.8
172.5°	1725.8	1722.2	1725.8	1729.4	1730.3	1718.8	1703.5	1695.9	1695.9	1695.9	1695.9
175°	1717.6	1717.6	1717.6	1717.6	1717.6	1710.4	1700.8	1695.9	1698.2	1702.8	1706.3
177.5°	1710.3	1706.3	1710.3	1714.3	1715.4	1709.7	1702.0	1698.2	1700.0	1703.6	1706.3
180°	1706.3	1706.3	1706.3	1706.3	1706.3	1706.3	1706.3	1706.3	1706.3	1706.3	1706.3



TEST NUMBER: P935256

CATALOG NUMBER: SQ4-FA-100U-100D-93050-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	3844.8	3844.8	3844.8	3844.8	3844.8	3844.8	3844.8	3844.8	3844.8	3844.8	3844.8
2.5°	3899.4	3877.5	3877.5	3841.2	3826.6	3815.7	3797.5	3743.0	3728.4	3713.8	3735.7
5°	3932.1	3892.1	3863.0	3797.5	3743.0	3721.2	3652.1	3521.1	3433.7	3368.3	3332.0
7.5°	3939.4	3888.5	3833.9	3732.1	3601.1	3542.9	3332.0	3091.9	3026.4	2968.2	2931.8
10°	3932.1	3874.0	3797.5	3644.7	3335.5	3233.7	3022.7	2866.3	2826.3	2815.4	2826.3
12.5°	3906.6	3852.1	3746.6	3492.0	3059.1	2990.0	2866.3	2775.4	2768.1	2786.3	2884.5
15°	3863.0	3812.1	3688.4	3288.3	2906.3	2855.4	2768.1	2735.4	2775.4	2902.7	3197.3
17.5°	3819.4	3761.2	3608.4	3088.2	2790.0	2753.5	2691.7	2757.2	2982.7	3153.7	3251.9
20°	3761.2	3692.1	3517.4	2942.7	2706.3	2673.5	2644.4	2939.1	3110.1	3171.9	3226.4
22.5°	3692.1	3619.3	3393.7	2840.9	2619.0	2593.5	2611.7	3041.0	3110.1	3153.7	3201.0
25°	3601.1	3539.3	3248.3	2760.9	2549.9	2520.8	2589.9	3030.0	3070.1	3081.0	3175.5
27.5°	3517.4	3437.4	3095.5	2688.1	2466.2	2455.3	2608.1	2982.7	3011.9	3022.7	3124.6
30°	3415.6	3295.5	2924.5	2611.7	2378.9	2375.3	2611.7	2924.5	2917.3	2946.4	3048.2
32.5°	3310.1	3084.6	2731.7	2517.1	2295.2	2291.6	2586.2	2837.2	2830.0	2870.0	2946.4
35°	3211.9	2920.9	2469.9	2408.0	2189.8	2193.4	2524.4	2735.4	2739.0	2775.4	2822.6
37.5°	3110.1	2779.1	2182.5	2288.0	2087.9	2087.9	2440.7	2640.9	2633.5	2644.4	2710.0
40°	2990.0	2557.2	1927.9	2131.5	1993.3	1982.4	2338.9	2539.0	2513.5	2509.9	2600.8
42.5°	2862.7	2313.4	1738.8	1924.2	1884.2	1869.6	2215.2	2415.3	2368.0	2378.9	2495.3
45°	2724.5	2248.0	1593.2	1626.0	1771.4	1760.5	2080.6	2273.4	2240.6	2269.8	2389.9
47.5°	2586.2	2117.0	1545.9	1349.5	1651.4	1647.8	1931.5	2135.2	2117.0	2146.1	2273.4
50°	2397.1	1971.5	1542.3	1156.8	1516.9	1531.4	1753.3	2000.6	2000.6	2026.1	2160.6
52.5°	2153.4	1793.3	1400.4	1047.5	1360.4	1404.1	1596.9	1884.2	1891.5	1917.0	2037.0
55°	1931.5	1607.8	1298.5	963.9	1174.9	1269.4	1444.1	1764.2	1778.8	1804.2	1913.3
57.5°	1727.8	1338.5	1276.8	865.8	1004.0	1094.9	1309.5	1647.8	1655.1	1676.9	1782.3
60°	1509.5	967.5	1171.3	760.2	854.8	923.9	1185.8	1509.5	1535.0	1549.5	1640.5
62.5°	1262.2	702.0	1062.1	687.4	782.1	796.7	1084.0	1378.6	1411.3	1422.2	1476.8
65°	898.4	589.3	902.1	625.7	705.7	709.3	974.9	1244.0	1273.1	1291.3	1331.3
67.5°	607.4	480.1	687.4	567.4	647.4	651.1	869.3	1087.6	1127.6	1142.2	1167.7
70°	422.0	320.1	509.2	505.6	582.0	589.3	756.6	945.8	982.1	993.0	1007.5
72.5°	309.2	258.2	422.0	454.7	512.9	520.1	640.2	785.7	822.1	833.0	840.2
75°	236.4	272.8	341.9	396.4	436.5	440.1	523.8	640.2	665.7	672.9	676.5
77.5°	189.1	254.7	251.0	320.1	356.4	349.2	411.0	494.7	516.5	516.5	516.5
80°	141.9	200.1	189.1	229.1	261.9	254.7	294.7	352.9	360.1	367.4	363.8
82.5°	105.4	127.3	127.3	145.5	174.6	167.3	196.4	229.1	229.1	229.1	236.4
85°	65.4	72.8	58.2	76.4	98.2	94.6	109.1	123.7	127.3	127.3	120.0
87.5°	40.0	32.8	18.2	29.1	43.7	43.7	50.9	54.6	50.9	50.9	50.9
90°	29.7	20.6	11.5	20.6	29.7	32.0	50.4	74.8	87.0	77.4	58.0
92.5°	201.5	123.6	45.8	123.6	201.5	221.0	310.7	430.3	490.1	429.6	308.4
95°	395.0	252.5	109.9	252.5	395.0	430.6	764.5	1209.9	1432.5	1278.3	969.9
97.5°	441.5	315.8	190.1	315.8	441.5	473.0	1029.8	1772.3	2143.6	2046.2	1851.3
100°	479.9	365.9	251.9	365.9	479.9	508.4	1126.4	1950.4	2362.4	2369.6	2383.8
102.5°	517.3	410.9	304.6	410.9	517.3	543.9	1170.7	2006.4	2424.3	2548.4	2796.8
105°	574.1	484.0	394.0	484.0	574.1	596.6	1203.6	2012.8	2417.4	2695.8	3252.6
107.5°	653.5	569.5	485.6	569.5	653.5	674.5	1209.6	1923.1	2279.9	2668.3	3444.9
110°	699.0	623.2	547.4	623.2	699.0	718.0	1200.4	1843.7	2165.4	2599.6	3467.8



TEST NUMBER: P935256

CATALOG NUMBER: SQ4-FA-100U-100D-93050-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	752.6	680.4	608.1	680.4	752.6	770.7	1200.9	1774.5	2061.2	2505.6	3394.2
115°	833.0	766.4	699.7	766.4	833.0	849.7	1211.9	1694.9	1936.4	2364.4	3220.5
117.5°	911.3	850.7	790.1	850.7	911.3	926.4	1234.5	1645.2	1850.5	2236.8	3009.4
120°	956.9	899.8	842.8	899.8	956.9	971.1	1252.8	1628.4	1816.2	2169.2	2875.0
122.5°	1009.4	951.9	894.4	951.9	1009.4	1023.8	1279.2	1619.6	1789.9	2107.7	2743.4
125°	1078.2	1025.8	973.4	1025.8	1078.2	1091.3	1314.6	1612.4	1761.2	2031.2	2571.2
127.5°	1143.4	1090.4	1037.5	1090.4	1143.4	1156.6	1350.1	1608.2	1737.2	1969.0	2432.6
130°	1185.8	1128.9	1071.9	1128.9	1185.8	1200.1	1376.1	1610.7	1728.0	1934.4	2347.2
132.5°	1221.4	1164.4	1107.4	1164.4	1221.4	1235.6	1397.0	1612.3	1719.9	1904.7	2274.2
135°	1263.8	1211.9	1160.1	1211.9	1263.8	1276.8	1419.9	1610.8	1706.3	1861.0	2170.3
137.5°	1316.6	1265.2	1213.8	1265.2	1316.6	1329.5	1454.3	1620.7	1704.0	1834.7	2096.4
140°	1353.1	1305.9	1258.5	1305.9	1353.1	1365.0	1475.3	1622.4	1695.9	1808.9	2034.9
142.5°	1380.4	1336.6	1292.8	1336.6	1380.4	1391.3	1492.8	1628.2	1695.9	1795.2	1993.7
145°	1421.9	1383.7	1345.5	1383.7	1421.9	1431.4	1515.8	1628.3	1684.5	1765.6	1928.0
147.5°	1472.5	1435.4	1398.2	1435.4	1472.5	1481.8	1549.3	1639.5	1684.5	1748.4	1876.1
150°	1499.7	1466.1	1432.5	1466.1	1499.7	1508.1	1567.0	1645.3	1684.5	1738.5	1846.3
152.5°	1519.0	1493.5	1468.0	1493.5	1519.0	1525.3	1578.3	1649.1	1684.5	1730.6	1822.6
155°	1558.4	1539.5	1520.7	1539.5	1558.4	1563.1	1603.6	1657.5	1684.5	1721.1	1794.4
157.5°	1596.3	1578.0	1559.6	1578.0	1596.3	1600.9	1628.8	1666.0	1684.5	1713.0	1770.0
160°	1614.5	1600.3	1586.0	1600.3	1614.5	1618.1	1640.2	1669.7	1684.5	1708.9	1757.8
162.5°	1633.7	1622.9	1612.3	1622.9	1633.7	1636.3	1652.4	1673.8	1684.5	1705.1	1746.3
165°	1660.3	1650.6	1640.9	1650.6	1660.3	1662.7	1669.9	1679.7	1684.5	1699.3	1728.8
167.5°	1676.4	1671.9	1667.3	1671.9	1676.4	1677.6	1683.7	1691.9	1695.9	1705.6	1725.0
170°	1693.7	1689.1	1684.5	1689.1	1693.7	1694.8	1695.2	1695.6	1695.9	1705.6	1725.0
172.5°	1695.6	1694.6	1693.6	1694.6	1695.6	1695.9	1695.9	1695.9	1695.9	1703.5	1718.8
175°	1706.3	1706.3	1706.3	1706.3	1706.3	1706.3	1702.8	1698.2	1695.9	1700.8	1710.4
177.5°	1706.3	1706.3	1706.3	1706.3	1706.3	1706.3	1703.6	1700.0	1698.2	1702.0	1709.7
180°	1706.3	1706.3	1706.3	1706.3	1706.3	1706.3	1706.3	1706.3	1706.3	1706.3	1706.3



TEST NUMBER: P935256

CATALOG NUMBER: SQ4-FA-100U-100D-93050-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	3844.8	3844.8	3844.8	3844.8	3844.8	3844.8	3844.8	3844.8	3844.8	3844.8	3844.8
2.5°	3710.2	3699.3	3713.8	3673.8	3713.8	3699.3	3710.2	3735.7	3713.8	3728.4	3743.0
5°	3255.5	3237.4	3179.2	3131.9	3179.2	3237.4	3255.5	3332.0	3368.3	3433.7	3521.1
7.5°	2910.0	2895.4	2880.9	2851.7	2880.9	2895.4	2910.0	2931.8	2968.2	3026.4	3091.9
10°	2833.6	2837.2	2859.1	2855.4	2859.1	2837.2	2833.6	2826.3	2815.4	2826.3	2866.3
12.5°	3030.0	3062.7	3182.7	3175.5	3182.7	3062.7	3030.0	2884.5	2786.3	2768.1	2775.4
15°	3255.5	3266.4	3292.0	3295.5	3292.0	3266.4	3255.5	3197.3	2902.7	2775.4	2735.4
17.5°	3277.4	3281.0	3299.2	3299.2	3299.2	3281.0	3277.4	3251.9	3153.7	2982.7	2757.2
20°	3259.2	3266.4	3302.8	3310.1	3302.8	3266.4	3259.2	3226.4	3171.9	3110.1	2939.1
22.5°	3251.9	3266.4	3295.5	3292.0	3295.5	3266.4	3251.9	3201.0	3153.7	3110.1	3041.0
25°	3215.5	3215.5	3219.2	3222.8	3219.2	3215.5	3215.5	3175.5	3081.0	3070.1	3030.0
27.5°	3139.2	3146.4	3168.3	3164.6	3168.3	3146.4	3139.2	3124.6	3022.7	3011.9	2982.7
30°	3070.1	3062.7	3044.5	3030.0	3044.5	3062.7	3070.1	3048.2	2946.4	2917.3	2924.5
32.5°	2953.6	2935.4	2917.3	2906.3	2917.3	2935.4	2953.6	2946.4	2870.0	2830.0	2837.2
35°	2815.4	2819.1	2815.4	2804.5	2815.4	2819.1	2815.4	2822.6	2775.4	2739.0	2735.4
37.5°	2717.2	2724.5	2720.9	2706.3	2720.9	2724.5	2717.2	2710.0	2644.4	2633.5	2640.9
40°	2615.3	2619.0	2615.3	2604.4	2615.3	2619.0	2615.3	2600.8	2509.9	2513.5	2539.0
42.5°	2517.1	2513.5	2502.6	2495.3	2502.6	2513.5	2517.1	2495.3	2378.9	2368.0	2415.3
45°	2404.4	2408.0	2386.2	2375.3	2386.2	2408.0	2404.4	2389.9	2269.8	2240.6	2273.4
47.5°	2291.6	2291.6	2273.4	2262.5	2273.4	2291.6	2291.6	2273.4	2146.1	2117.0	2135.2
50°	2171.5	2168.0	2142.5	2138.9	2142.5	2168.0	2171.5	2160.6	2026.1	2000.6	2000.6
52.5°	2033.3	2033.3	2037.0	2044.3	2037.0	2033.3	2033.3	2037.0	1917.0	1891.5	1884.2
55°	1913.3	1917.0	1942.4	1949.6	1942.4	1917.0	1913.3	1913.3	1804.2	1778.8	1764.2
57.5°	1789.6	1789.6	1807.9	1807.9	1807.9	1789.6	1789.6	1782.3	1676.9	1655.1	1647.8
60°	1647.8	1655.1	1669.6	1666.0	1669.6	1655.1	1647.8	1640.5	1549.5	1535.0	1509.5
62.5°	1498.6	1505.9	1509.5	1502.3	1509.5	1505.9	1498.6	1476.8	1422.2	1411.3	1378.6
65°	1342.2	1349.5	1353.1	1345.9	1353.1	1349.5	1342.2	1331.3	1291.3	1273.1	1244.0
67.5°	1182.2	1178.5	1174.9	1189.4	1174.9	1178.5	1182.2	1167.7	1142.2	1127.6	1087.6
70°	1018.5	1018.5	1014.9	1022.1	1014.9	1018.5	1018.5	1007.5	993.0	982.1	945.8
72.5°	843.9	840.2	854.8	843.9	854.8	840.2	843.9	840.2	833.0	822.1	785.7
75°	672.9	680.2	672.9	683.9	672.9	680.2	672.9	676.5	672.9	665.7	640.2
77.5°	512.9	520.1	512.9	512.9	512.9	520.1	512.9	516.5	516.5	516.5	494.7
80°	363.8	360.1	360.1	356.4	360.1	360.1	363.8	363.8	367.4	360.1	352.9
82.5°	232.8	229.1	229.1	236.4	229.1	229.1	232.8	236.4	229.1	229.1	229.1
85°	127.3	131.0	123.7	123.7	123.7	131.0	127.3	120.0	127.3	127.3	123.7
87.5°	47.3	43.7	43.7	43.7	43.7	43.7	47.3	50.9	50.9	50.9	54.6
90°	43.5	43.5	43.5	43.5	43.5	43.5	43.5	58.0	77.4	87.0	74.8
92.5°	217.6	209.0	174.3	139.7	174.3	209.0	217.6	308.4	429.6	490.1	430.3
95°	738.6	712.3	607.5	502.7	607.5	712.3	738.6	969.9	1278.3	1432.5	1209.9
97.5°	1705.1	1655.2	1455.7	1256.2	1455.7	1655.2	1705.1	1851.3	2046.2	2143.6	1772.3
100°	2394.4	2335.1	2097.4	1859.7	2097.4	2335.1	2394.4	2383.8	2369.6	2362.4	1950.4
102.5°	2983.1	2932.1	2728.6	2525.0	2728.6	2932.1	2983.1	2796.8	2548.4	2424.3	2006.4
105°	3670.1	3642.8	3533.3	3423.9	3533.3	3642.8	3670.1	3252.6	2695.8	2417.4	2012.8
107.5°	4027.4	4034.0	4060.5	4087.0	4060.5	4034.0	4027.4	3444.9	2668.3	2279.9	1923.1
110°	4119.0	4147.5	4261.5	4375.6	4261.5	4147.5	4119.0	3467.8	2599.6	2165.4	1843.7



TEST NUMBER: P935256

CATALOG NUMBER: SQ4-FA-100U-100D-93050-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	4060.6	4104.4	4279.5	4454.6	4279.5	4104.4	4060.6	3394.2	2505.6	2061.2	1774.5
115°	3862.5	3923.1	4166.0	4408.7	4166.0	3923.1	3862.5	3220.5	2364.4	1936.4	1694.9
117.5°	3588.8	3656.1	3925.3	4194.6	3925.3	3656.1	3588.8	3009.4	2236.8	1850.5	1645.2
120°	3404.5	3469.9	3731.4	3993.1	3731.4	3469.9	3404.5	2875.0	2169.2	1816.2	1628.4
122.5°	3220.1	3284.6	3542.6	3800.6	3542.6	3284.6	3220.1	2743.4	2107.7	1789.9	1619.6
125°	2976.2	3035.6	3273.2	3510.9	3273.2	3035.6	2976.2	2571.2	2031.2	1761.2	1612.4
127.5°	2780.3	2830.4	3031.1	3231.6	3031.1	2830.4	2780.3	2432.6	1969.0	1737.2	1608.2
130°	2656.7	2703.1	2888.3	3073.5	2888.3	2703.1	2656.7	2347.2	1934.4	1728.0	1610.7
132.5°	2551.4	2592.9	2758.8	2924.7	2758.8	2592.9	2551.4	2274.2	1904.7	1719.9	1612.3
135°	2402.4	2438.2	2581.2	2724.3	2581.2	2438.2	2402.4	2170.3	1861.0	1706.3	1610.8
137.5°	2292.6	2321.9	2438.9	2556.0	2438.9	2321.9	2292.6	2096.4	1834.7	1704.0	1620.7
140°	2204.4	2231.7	2341.2	2450.6	2341.2	2231.7	2204.4	2034.9	1808.9	1695.9	1622.4
142.5°	2142.5	2166.0	2260.2	2354.3	2260.2	2166.0	2142.5	1993.7	1795.2	1695.9	1628.2
145°	2049.8	2067.6	2138.9	2210.1	2138.9	2067.6	2049.8	1928.0	1765.6	1684.5	1628.3
147.5°	1971.9	1986.7	2045.7	2104.7	2045.7	1986.7	1971.9	1876.1	1748.4	1684.5	1639.5
150°	1927.3	1939.2	1987.1	2034.9	1987.1	1939.2	1927.3	1846.3	1738.5	1684.5	1645.3
152.5°	1891.7	1900.7	1936.9	1973.0	1936.9	1900.7	1891.7	1822.6	1730.6	1684.5	1649.1
155°	1849.3	1855.3	1879.3	1903.2	1879.3	1855.3	1849.3	1794.4	1721.1	1684.5	1657.5
157.5°	1812.7	1816.9	1833.7	1850.5	1833.7	1816.9	1812.7	1770.0	1713.0	1684.5	1666.0
160°	1794.4	1796.8	1806.5	1816.2	1806.5	1796.8	1794.4	1757.8	1708.9	1684.5	1669.7
162.5°	1777.2	1779.5	1788.7	1797.9	1788.7	1779.5	1777.2	1746.3	1705.1	1684.5	1673.8
165°	1750.9	1753.3	1763.0	1772.6	1763.0	1753.3	1750.9	1728.8	1699.3	1684.5	1679.7
167.5°	1739.5	1740.5	1744.5	1748.6	1744.5	1740.5	1739.5	1725.0	1705.6	1695.9	1691.9
170°	1739.5	1739.5	1739.5	1739.5	1739.5	1739.5	1739.5	1725.0	1705.6	1695.9	1695.6
172.5°	1730.3	1729.4	1725.8	1722.2	1725.8	1729.4	1730.3	1718.8	1703.5	1695.9	1695.9
175°	1717.6	1717.6	1717.6	1717.6	1717.6	1717.6	1717.6	1710.4	1700.8	1695.9	1698.2
177.5°	1715.4	1714.3	1710.3	1706.3	1710.3	1714.3	1715.4	1709.7	1702.0	1698.2	1700.0
180°	1706.3	1706.3	1706.3	1706.3	1706.3	1706.3	1706.3	1706.3	1706.3	1706.3	1706.3



TEST NUMBER: P935256

CATALOG NUMBER: SQ4-FA-100U-100D-93050-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	3844.8	3844.8	3844.8	3844.8	3844.8
2.5°	3797.5	3815.7	3826.6	3841.2	3877.5
5°	3652.1	3721.2	3743.0	3797.5	3863.0
7.5°	3332.0	3542.9	3601.1	3732.1	3833.9
10°	3022.7	3233.7	3335.5	3644.7	3797.5
12.5°	2866.3	2990.0	3059.1	3492.0	3746.6
15°	2768.1	2855.4	2906.3	3288.3	3688.4
17.5°	2691.7	2753.5	2790.0	3088.2	3608.4
20°	2644.4	2673.5	2706.3	2942.7	3517.4
22.5°	2611.7	2593.5	2619.0	2840.9	3393.7
25°	2589.9	2520.8	2549.9	2760.9	3248.3
27.5°	2608.1	2455.3	2466.2	2688.1	3095.5
30°	2611.7	2375.3	2378.9	2611.7	2924.5
32.5°	2586.2	2291.6	2295.2	2517.1	2731.7
35°	2524.4	2193.4	2189.8	2408.0	2469.9
37.5°	2440.7	2087.9	2087.9	2288.0	2182.5
40°	2338.9	1982.4	1993.3	2131.5	1927.9
42.5°	2215.2	1869.6	1884.2	1924.2	1738.8
45°	2080.6	1760.5	1771.4	1626.0	1593.2
47.5°	1931.5	1647.8	1651.4	1349.5	1545.9
50°	1753.3	1531.4	1516.9	1156.8	1542.3
52.5°	1596.9	1404.1	1360.4	1047.5	1400.4
55°	1444.1	1269.4	1174.9	963.9	1298.5
57.5°	1309.5	1094.9	1004.0	865.8	1276.8
60°	1185.8	923.9	854.8	760.2	1171.3
62.5°	1084.0	796.7	782.1	687.4	1062.1
65°	974.9	709.3	705.7	625.7	902.1
67.5°	869.3	651.1	647.4	567.4	687.4
70°	756.6	589.3	582.0	505.6	509.2
72.5°	640.2	520.1	512.9	454.7	422.0
75°	523.8	440.1	436.5	396.4	341.9
77.5°	411.0	349.2	356.4	320.1	251.0
80°	294.7	254.7	261.9	229.1	189.1
82.5°	196.4	167.3	174.6	145.5	127.3
85°	109.1	94.6	98.2	76.4	58.2
87.5°	50.9	43.7	43.7	29.1	18.2
90°	50.4	32.0	29.7	20.6	11.5
92.5°	310.7	221.0	201.5	123.6	45.8
95°	764.5	430.6	395.0	252.5	109.9
97.5°	1029.8	473.0	441.5	315.8	190.1
100°	1126.4	508.4	479.9	365.9	251.9
102.5°	1170.7	543.9	517.3	410.9	304.6
105°	1203.6	596.6	574.1	484.0	394.0
107.5°	1209.6	674.5	653.5	569.5	485.6
110°	1200.4	718.0	699.0	623.2	547.4



TEST NUMBER: P935256

CATALOG NUMBER: SQ4-FA-100U-100D-93050-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1200.9	770.7	752.6	680.4	608.1
115°	1211.9	849.7	833.0	766.4	699.7
117.5°	1234.5	926.4	911.3	850.7	790.1
120°	1252.8	971.1	956.9	899.8	842.8
122.5°	1279.2	1023.8	1009.4	951.9	894.4
125°	1314.6	1091.3	1078.2	1025.8	973.4
127.5°	1350.1	1156.6	1143.4	1090.4	1037.5
130°	1376.1	1200.1	1185.8	1128.9	1071.9
132.5°	1397.0	1235.6	1221.4	1164.4	1107.4
135°	1419.9	1276.8	1263.8	1211.9	1160.1
137.5°	1454.3	1329.5	1316.6	1265.2	1213.8
140°	1475.3	1365.0	1353.1	1305.9	1258.5
142.5°	1492.8	1391.3	1380.4	1336.6	1292.8
145°	1515.8	1431.4	1421.9	1383.7	1345.5
147.5°	1549.3	1481.8	1472.5	1435.4	1398.2
150°	1567.0	1508.1	1499.7	1466.1	1432.5
152.5°	1578.3	1525.3	1519.0	1493.5	1468.0
155°	1603.6	1563.1	1558.4	1539.5	1520.7
157.5°	1628.8	1600.9	1596.3	1578.0	1559.6
160°	1640.2	1618.1	1614.5	1600.3	1586.0
162.5°	1652.4	1636.3	1633.7	1622.9	1612.3
165°	1669.9	1662.7	1660.3	1650.6	1640.9
167.5°	1683.7	1677.6	1676.4	1671.9	1667.3
170°	1695.2	1694.8	1693.7	1689.1	1684.5
172.5°	1695.9	1695.9	1695.6	1694.6	1693.6
175°	1702.8	1706.3	1706.3	1706.3	1706.3
177.5°	1703.6	1706.3	1706.3	1706.3	1706.3
180°	1706.3	1706.3	1706.3	1706.3	1706.3



TEST NUMBER: P935256
 CATALOG NUMBER: SQ4-FA-100U-100D-93050-1D-UNV-STD-W-12-5000K

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	13.17	14.01	14.15	15.00	16.31	16.02	16.86	17.00	17.85	19.16
	3H	13.65	14.40	14.64	15.40	16.73	17.37	18.12	18.36	19.12	20.45
	4H	13.84	14.55	14.84	15.55	16.89	17.82	18.53	18.82	19.54	20.87
	6H	13.95	14.61	14.97	15.62	16.97	18.11	18.76	19.12	19.77	21.12
	8H	13.95	14.58	14.97	15.60	16.95	18.19	18.81	19.21	19.84	21.18
	12H	13.92	14.52	14.95	15.54	16.91	18.23	18.82	19.25	19.84	21.21
4H	2H	14.21	14.92	15.21	15.92	17.26	16.43	17.14	17.44	18.14	19.48
	3H	15.23	15.82	16.25	16.86	18.21	17.94	18.53	18.96	19.56	20.91
	4H	15.51	16.05	16.53	17.07	18.45	18.47	19.01	19.50	20.04	21.41
	6H	15.63	16.10	16.67	17.14	18.51	18.84	19.30	19.88	20.35	21.72
	8H	15.63	16.07	16.67	17.11	18.50	18.95	19.38	19.99	20.43	21.81
	12H	15.60	15.99	16.66	17.05	18.44	19.01	19.40	20.06	20.46	21.85
8H	4H	15.96	16.40	17.00	17.44	18.82	18.59	19.03	19.63	20.07	21.45
	6H	16.22	16.58	17.28	17.66	19.05	19.03	19.39	20.09	20.48	21.86
	8H	16.26	16.58	17.33	17.65	19.05	19.19	19.50	20.26	20.57	21.97
	12H	16.25	16.52	17.32	17.59	19.03	19.29	19.57	20.36	20.63	22.07
12H	4H	15.97	16.36	17.02	17.42	18.81	18.55	18.95	19.61	20.00	21.39
	6H	16.28	16.60	17.35	17.67	19.07	19.03	19.35	20.10	20.41	21.82
	8H	16.35	16.63	17.42	17.69	19.13	19.19	19.47	20.27	20.53	21.98