

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: P935226

Luminaire Tested: SQ4-FA-100U-100D-92765-1D-UNV-STD-W-12-3000K

Issue Date: 12/17/2024

**Test Information**

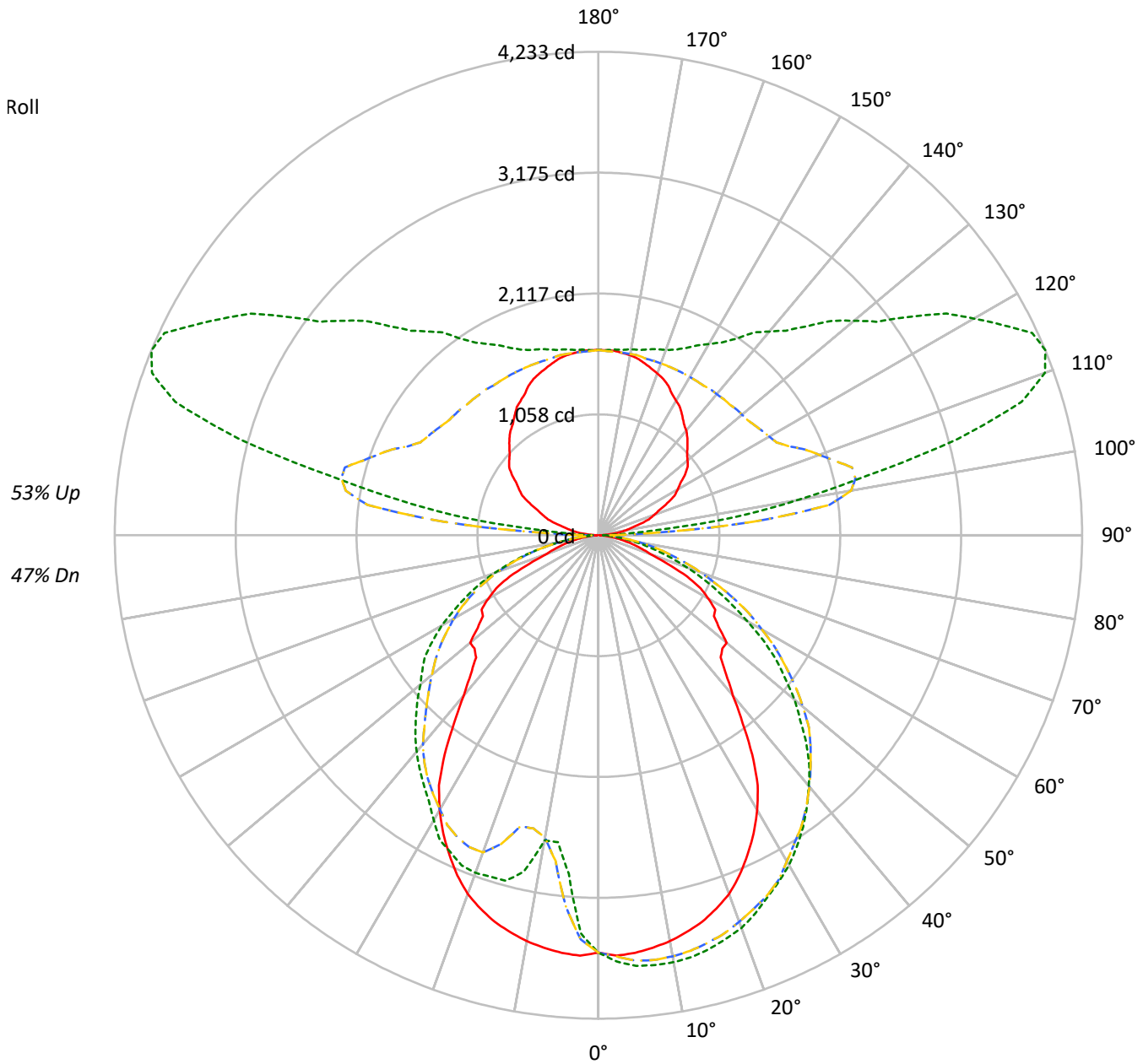
Test Method: LM-79-2019  
Report Number: P935226  
REPORT IS A COMBINATION OF REPORTS P933745 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-100U-100D-92765-1D-UNV-STD-W-12-3000K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 19989.7 lumens  
Efficiency: N/A  
Efficacy: 114.9 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

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CATALOG NUMBER: SQ4-FA-100U-100D-92765-1D-UNV-STD-W-12-3000K

### 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°	11301	11301	11301	11301
5°	11389	11408	11389	8970
10°	11317	11237	11317	8033
15°	11198	10993	11198	9180
20°	10969	10705	10969	9199
25°	10494	10284	10494	9004
30°	9878	9935	9878	8576
35°	8811	9493	8811	8105
40°	7346	8973	7346	7750
45°	6567	8365	6567	7342
50°	6983	7639	6983	6931
55°	6576	6856	6576	6694
60°	6787	5823	6787	6131
65°	6164	4814	6164	5381
70°	4278	3836	4278	4511
75°	3766	2836	3766	3396
80°	3056	1875	3056	2041
85°	1792	993	1792	845

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 10059 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	329.8	1.6
10°-20°	936.4	4.7
20°-30°	1447.5	7.2
30°-40°	1728.0	8.6
40°-50°	1738.1	8.7
50°-60°	1512.3	7.6
60°-70°	1072.3	5.4
70°-80°	567.3	2.8
80°-90°	147.5	0.7
90°-100°	790.3	4.0
100°-110°	2077.8	10.4
110°-120°	2154.5	10.8
120°-130°	1728.2	8.6
130°-140°	1356.0	6.8
140°-150°	1040.8	5.2
150°-160°	749.5	3.7
160°-170°	458.6	2.3
170°-180°	154.9	0.8
0°-30°	2713.6	13.6
0°-40°	4441.6	22.2
0°-60°	7692.0	38.5
0°-90°	9479.1	47.4
90°-120°	5022.6	25.1
90°-150°	9147.5	45.8
90°-180°	10511.0	52.6
0°-180°	19989.7	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	3654	3654	3654	3654	3654	
5°	3671	3785	3671	2976	3671	348
15°	3505	3750	3505	3132	3505	986
25°	3087	3498	3087	3062	3087	1417
35°	2347	3121	2347	2665	2347	1452
45°	1514	2572	1514	2257	1514	1213
55°	1234	1898	1234	1853	1234	1134
65°	857	1144	857	1279	857	819
75°	325	543	325	650	325	342
85°	55	138	55	118	55	75
90°	11	41	11	41	11	11
95°	104	478	104	478	104	116
105°	374	3254	374	3254	374	397
115°	665	4189	665	4189	665	657
125°	925	3336	925	3336	925	821
135°	1102	2589	1102	2589	1102	853
145°	1279	2100	1279	2100	1279	801
155°	1445	1808	1445	1808	1445	664
165°	1559	1684	1559	1684	1559	440
175°	1621	1632	1621	1632	1621	154
180°	1621	1621	1621	1621	1621	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	3653.5	3653.5	3653.5	3653.5	3653.5	3653.5	3653.5	3653.5	3653.5	3653.5	3653.5
2.5°	3684.6	3684.6	3705.4	3712.2	3712.2	3701.9	3691.5	3701.9	3733.0	3743.4	3739.9
5°	3670.8	3698.5	3736.5	3743.4	3750.3	3746.9	3739.9	3746.9	3781.4	3788.3	3791.8
7.5°	3643.1	3695.0	3743.4	3753.8	3764.1	3753.8	3750.3	3757.2	3791.8	3798.7	3798.7
10°	3608.6	3681.2	3736.5	3743.4	3753.8	3743.4	3743.4	3757.2	3791.8	3798.7	3802.2
12.5°	3560.2	3660.4	3712.2	3719.2	3733.0	3729.5	3726.1	3739.9	3774.5	3781.4	3781.4
15°	3504.9	3622.4	3670.8	3677.7	3701.9	3695.0	3695.0	3708.8	3746.9	3757.2	3753.8
17.5°	3428.8	3574.0	3629.3	3639.7	3657.0	3653.5	3657.0	3670.8	3705.4	3712.2	3715.7
20°	3342.4	3508.4	3574.0	3584.4	3601.7	3601.7	3601.7	3618.9	3653.5	3667.3	3667.3
22.5°	3224.9	3439.2	3508.4	3515.3	3536.0	3536.0	3542.9	3567.1	3598.2	3601.7	3601.7
25°	3086.7	3363.2	3421.9	3442.7	3463.4	3473.7	3484.1	3498.0	3508.4	3504.9	3508.4
27.5°	2941.5	3266.4	3342.4	3356.3	3383.9	3394.3	3408.1	3411.6	3415.0	3425.3	3418.5
30°	2779.0	3131.6	3245.6	3259.5	3304.4	3311.3	3297.5	3304.4	3321.7	3328.6	3335.5
32.5°	2595.8	2931.1	3145.4	3176.5	3218.0	3197.2	3193.8	3204.2	3231.8	3231.8	3238.7
35°	2347.0	2775.6	3052.1	3079.8	3110.8	3086.7	3100.4	3103.9	3121.2	3131.6	3128.2
37.5°	2073.9	2640.8	2955.3	2976.1	3000.2	2969.1	2989.9	3000.2	3014.1	3007.1	3007.1
40°	1832.0	2429.9	2841.3	2855.0	2875.8	2851.6	2872.3	2879.3	2886.2	2879.3	2875.8
42.5°	1652.2	2198.3	2720.2	2737.6	2723.7	2741.0	2747.9	2761.7	2751.4	2737.6	2737.6
45°	1513.9	2136.1	2588.9	2609.6	2588.9	2616.5	2626.9	2626.9	2595.8	2588.9	2585.5
47.5°	1469.0	2011.7	2457.6	2457.6	2447.2	2481.7	2499.1	2474.8	2443.7	2433.4	2433.4
50°	1465.5	1873.4	2277.8	2264.0	2312.4	2353.9	2336.6	2312.4	2288.2	2250.2	2250.2
52.5°	1330.7	1704.0	2046.2	2098.1	2174.2	2198.3	2170.7	2146.5	2105.0	2087.7	2073.9
55°	1233.9	1527.8	1835.4	1939.1	2018.6	2049.7	1997.8	1973.7	1911.4	1901.0	1894.1
57.5°	1213.3	1271.9	1641.9	1773.2	1870.0	1866.5	1835.4	1790.5	1738.6	1728.3	1724.8
60°	1113.0	919.4	1434.4	1590.0	1690.3	1679.9	1652.2	1610.7	1562.3	1555.4	1548.5
62.5°	1009.3	667.1	1199.4	1375.7	1517.4	1513.9	1489.8	1427.5	1393.0	1375.7	1361.9
65°	857.2	559.9	853.7	1144.1	1348.0	1355.0	1303.1	1258.2	1220.1	1199.4	1195.9
67.5°	653.2	456.2	577.2	954.0	1185.6	1178.6	1113.0	1092.2	1043.8	1033.4	1012.8
70°	483.9	304.2	401.0	774.3	1026.6	1009.3	957.4	933.3	888.3	864.1	850.3
72.5°	401.0	245.4	293.8	601.4	864.1	843.3	798.4	770.8	732.8	712.0	698.2
75°	324.9	259.3	224.6	445.9	701.6	687.9	646.4	618.7	587.6	559.9	563.4
77.5°	238.5	242.0	179.7	328.4	556.5	535.8	511.5	477.0	463.1	435.5	435.5
80°	179.7	190.1	134.8	224.6	401.0	401.0	380.2	356.1	331.8	318.0	318.0
82.5°	121.0	121.0	100.2	141.7	273.0	262.7	248.9	242.0	228.1	221.2	221.2
85°	55.3	69.2	62.2	86.4	148.6	155.6	155.6	148.6	145.2	138.2	141.7
87.5°	17.3	31.1	38.0	48.4	76.0	79.5	82.9	82.9	82.9	86.4	86.4
90°	10.9	19.6	28.3	30.4	47.9	71.1	82.7	73.5	55.1	41.3	41.3
92.5°	43.5	117.5	191.5	210.0	295.3	408.9	465.8	408.2	293.1	206.8	198.6
95°	104.5	239.9	375.3	409.2	726.5	1149.7	1361.2	1214.7	921.7	701.8	676.9
97.5°	180.6	300.1	419.5	449.4	978.6	1684.2	2037.0	1944.4	1759.2	1620.2	1572.9
100°	239.4	347.7	456.0	483.1	1070.3	1853.3	2244.9	2251.7	2265.2	2275.3	2218.9
102.5°	289.4	390.5	491.6	516.9	1112.5	1906.6	2303.7	2421.6	2657.6	2834.6	2786.2
105°	374.4	459.9	545.5	566.9	1143.7	1912.6	2297.1	2561.7	3090.8	3487.5	3461.5
107.5°	461.4	541.2	621.0	640.9	1149.4	1827.4	2166.5	2535.5	3273.5	3827.0	3833.3
110°	520.2	592.2	664.2	682.3	1140.7	1752.0	2057.7	2470.2	3295.2	3914.0	3941.2



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	577.8	646.5	715.2	732.3	1141.1	1686.2	1958.7	2380.9	3225.3	3858.6	3900.2
115°	664.8	728.2	791.5	807.4	1151.6	1610.6	1840.1	2246.8	3060.2	3670.3	3727.9
117.5°	750.8	808.4	865.9	880.3	1173.1	1563.3	1758.5	2125.5	2859.7	3410.3	3474.2
120°	800.9	855.0	909.3	922.8	1190.5	1547.4	1725.8	2061.2	2732.0	3235.1	3297.2
122.5°	849.9	904.6	959.2	972.8	1215.5	1539.1	1700.8	2002.8	2606.9	3059.9	3121.2
125°	925.0	974.8	1024.6	1037.0	1249.2	1532.2	1673.6	1930.2	2443.3	2828.1	2884.5
127.5°	985.8	1036.2	1086.5	1099.0	1282.9	1528.2	1650.8	1871.0	2311.6	2642.0	2689.6
130°	1018.5	1072.7	1126.8	1140.4	1307.6	1530.6	1642.0	1838.2	2230.4	2524.5	2568.6
132.5°	1052.3	1106.4	1160.6	1174.1	1327.5	1532.1	1634.4	1809.9	2161.1	2424.4	2463.8
135°	1102.3	1151.6	1201.0	1213.3	1349.3	1530.7	1621.4	1768.4	2062.4	2282.9	2316.9
137.5°	1153.4	1202.3	1251.1	1263.3	1381.9	1540.1	1619.2	1743.5	1992.1	2178.5	2206.3
140°	1195.9	1240.9	1285.8	1297.1	1401.9	1541.7	1611.5	1718.9	1933.6	2094.7	2120.7
142.5°	1228.5	1270.1	1311.7	1322.1	1418.5	1547.2	1611.5	1705.9	1894.5	2035.9	2058.3
145°	1278.6	1314.9	1351.1	1360.2	1440.3	1547.2	1600.7	1677.8	1832.1	1947.8	1964.7
147.5°	1328.6	1363.9	1399.3	1408.1	1472.3	1557.9	1600.7	1661.4	1782.8	1873.8	1887.9
150°	1361.2	1393.2	1425.1	1433.1	1489.0	1563.5	1600.7	1652.0	1754.4	1831.4	1842.7
152.5°	1395.0	1419.1	1443.4	1449.4	1499.8	1567.0	1600.7	1644.5	1731.9	1797.6	1806.2
155°	1445.0	1462.9	1480.9	1485.3	1523.8	1575.1	1600.7	1635.5	1705.1	1757.3	1763.0
157.5°	1482.0	1499.5	1516.9	1521.3	1547.8	1583.1	1600.7	1627.7	1681.9	1722.5	1726.5
160°	1507.0	1520.7	1534.2	1537.6	1558.6	1586.7	1600.7	1623.9	1670.3	1705.1	1707.4
162.5°	1532.1	1542.2	1552.4	1554.9	1570.2	1590.5	1600.7	1620.2	1659.4	1688.8	1691.0
165°	1559.3	1568.4	1577.7	1580.0	1586.8	1596.1	1600.7	1614.7	1642.7	1663.8	1666.0
167.5°	1584.3	1588.7	1593.0	1594.2	1599.9	1607.7	1611.5	1620.8	1639.2	1652.9	1653.9
170°	1600.7	1605.1	1609.4	1610.5	1610.8	1611.3	1611.5	1620.8	1639.2	1652.9	1652.9
172.5°	1609.3	1610.3	1611.3	1611.5	1611.5	1611.5	1611.5	1618.8	1633.3	1644.2	1643.3
175°	1621.4	1621.4	1621.4	1621.4	1618.1	1613.7	1611.5	1616.1	1625.3	1632.2	1632.2
177.5°	1621.4	1621.4	1621.4	1621.4	1618.8	1615.4	1613.7	1617.4	1624.6	1630.0	1629.0
180°	1621.4	1621.4	1621.4	1621.4	1621.4	1621.4	1621.4	1621.4	1621.4	1621.4	1621.4



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	3653.5	3653.5	3653.5	3653.5	3653.5	3653.5	3653.5	3653.5	3653.5	3653.5	3653.5
2.5°	3746.9	3736.5	3746.9	3739.9	3743.4	3733.0	3701.9	3691.5	3701.9	3712.2	3712.2
5°	3791.8	3784.9	3791.8	3791.8	3788.3	3781.4	3746.9	3739.9	3746.9	3750.3	3743.4
7.5°	3805.6	3795.3	3805.6	3798.7	3798.7	3791.8	3757.2	3750.3	3753.8	3764.1	3753.8
10°	3805.6	3795.3	3805.6	3802.2	3798.7	3791.8	3757.2	3743.4	3743.4	3753.8	3743.4
12.5°	3788.3	3781.4	3788.3	3781.4	3781.4	3774.5	3739.9	3726.1	3729.5	3733.0	3719.2
15°	3760.6	3750.3	3760.6	3753.8	3757.2	3746.9	3708.8	3695.0	3695.0	3701.9	3677.7
17.5°	3719.2	3705.4	3719.2	3715.7	3712.2	3705.4	3670.8	3657.0	3653.5	3657.0	3639.7
20°	3670.8	3660.4	3670.8	3667.3	3667.3	3653.5	3618.9	3601.7	3601.7	3601.7	3584.4
22.5°	3594.8	3584.4	3594.8	3601.7	3601.7	3598.2	3567.1	3542.9	3536.0	3536.0	3515.3
25°	3508.4	3498.0	3508.4	3508.4	3504.9	3508.4	3498.0	3484.1	3473.7	3463.4	3442.7
27.5°	3425.3	3418.5	3425.3	3418.5	3425.3	3415.0	3411.6	3408.1	3394.3	3383.9	3356.3
30°	3342.4	3335.5	3342.4	3335.5	3328.6	3321.7	3304.4	3297.5	3311.3	3304.4	3259.5
32.5°	3238.7	3231.8	3238.7	3238.7	3231.8	3231.8	3204.2	3193.8	3197.2	3218.0	3176.5
35°	3131.6	3121.2	3131.6	3128.2	3131.6	3121.2	3103.9	3100.4	3086.7	3110.8	3079.8
37.5°	3007.1	2996.7	3007.1	3007.1	3007.1	3014.1	3000.2	2989.9	2969.1	3000.2	2976.1
40°	2879.3	2865.4	2879.3	2875.8	2879.3	2886.2	2879.3	2872.3	2851.6	2875.8	2855.0
42.5°	2734.1	2730.6	2734.1	2737.6	2737.6	2751.4	2761.7	2747.9	2741.0	2723.7	2737.6
45°	2578.5	2571.6	2578.5	2585.5	2588.9	2595.8	2626.9	2626.9	2616.5	2588.9	2609.6
47.5°	2412.7	2395.4	2412.7	2433.4	2433.4	2443.7	2474.8	2499.1	2481.7	2447.2	2457.6
50°	2236.3	2239.8	2236.3	2250.2	2250.2	2288.2	2312.4	2336.6	2353.9	2312.4	2264.0
52.5°	2063.5	2060.1	2063.5	2073.9	2087.7	2105.0	2146.5	2170.7	2198.3	2174.2	2098.1
55°	1890.7	1897.6	1890.7	1894.1	1901.0	1911.4	1973.7	1997.8	2049.7	2018.6	1939.1
57.5°	1717.9	1707.5	1717.9	1724.8	1728.3	1738.6	1790.5	1835.4	1866.5	1870.0	1773.2
60°	1517.4	1503.6	1517.4	1548.5	1555.4	1562.3	1610.7	1652.2	1679.9	1690.3	1590.0
62.5°	1341.1	1316.9	1341.1	1361.9	1375.7	1393.0	1427.5	1489.8	1513.9	1517.4	1375.7
65°	1154.5	1144.1	1154.5	1195.9	1199.4	1220.1	1258.2	1303.1	1355.0	1348.0	1144.1
67.5°	985.1	985.1	985.1	1012.8	1033.4	1043.8	1092.2	1113.0	1178.6	1185.6	954.0
70°	829.6	826.1	829.6	850.3	864.1	888.3	933.3	957.4	1009.3	1026.6	774.3
72.5°	681.0	677.5	681.0	698.2	712.0	732.8	770.8	798.4	843.3	864.1	601.4
75°	549.6	542.7	549.6	563.4	559.9	587.6	618.7	646.4	687.9	701.6	445.9
77.5°	421.7	421.7	421.7	435.5	435.5	463.1	477.0	511.5	535.8	556.5	328.4
80°	314.5	311.1	314.5	318.0	318.0	331.8	356.1	380.2	401.0	401.0	224.6
82.5°	221.2	214.3	221.2	221.2	221.2	228.1	242.0	248.9	262.7	273.0	141.7
85°	138.2	138.2	138.2	141.7	138.2	145.2	148.6	155.6	155.6	148.6	86.4
87.5°	89.9	86.4	89.9	86.4	86.4	82.9	82.9	82.9	79.5	76.0	48.4
90°	41.3	41.3	41.3	41.3	41.3	55.1	73.5	82.7	71.1	47.9	30.4
92.5°	165.6	132.7	165.6	198.6	206.8	293.1	408.2	465.8	408.9	295.3	210.0
95°	577.3	477.7	577.3	676.9	701.8	921.7	1214.7	1361.2	1149.7	726.5	409.2
97.5°	1383.3	1193.7	1383.3	1572.9	1620.2	1759.2	1944.4	2037.0	1684.2	978.6	449.4
100°	1993.0	1767.2	1993.0	2218.9	2275.3	2265.2	2251.7	2244.9	1853.3	1070.3	483.1
102.5°	2592.8	2399.4	2592.8	2786.2	2834.6	2657.6	2421.6	2303.7	1906.6	1112.5	516.9
105°	3357.5	3253.6	3357.5	3461.5	3487.5	3090.8	2561.7	2297.1	1912.6	1143.7	566.9
107.5°	3858.5	3883.6	3858.5	3833.3	3827.0	3273.5	2535.5	2166.5	1827.4	1149.4	640.9
110°	4049.5	4157.9	4049.5	3941.2	3914.0	3295.2	2470.2	2057.7	1752.0	1140.7	682.3





TEST NUMBER: P935226

CATALOG NUMBER: SQ4-FA-100U-100D-92765-1D-UNV-STD-W-12-3000K

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	4066.6	4232.9	4066.6	3900.2	3858.6	3225.3	2380.9	1958.7	1686.2	1141.1	732.3
115°	3958.7	4189.3	3958.7	3727.9	3670.3	3060.2	2246.8	1840.1	1610.6	1151.6	807.4
117.5°	3730.0	3985.9	3730.0	3474.2	3410.3	2859.7	2125.5	1758.5	1563.3	1173.1	880.3
120°	3545.8	3794.4	3545.8	3297.2	3235.1	2732.0	2061.2	1725.8	1547.4	1190.5	922.8
122.5°	3366.3	3611.5	3366.3	3121.2	3059.9	2606.9	2002.8	1700.8	1539.1	1215.5	972.8
125°	3110.4	3336.2	3110.4	2884.5	2828.1	2443.3	1930.2	1673.6	1532.2	1249.2	1037.0
127.5°	2880.2	3070.8	2880.2	2689.6	2642.0	2311.6	1871.0	1650.8	1528.2	1282.9	1099.0
130°	2744.6	2920.6	2744.6	2568.6	2524.5	2230.4	1838.2	1642.0	1530.6	1307.6	1140.4
132.5°	2621.5	2779.2	2621.5	2463.8	2424.4	2161.1	1809.9	1634.4	1532.1	1327.5	1174.1
135°	2452.8	2588.7	2452.8	2316.9	2282.9	2062.4	1768.4	1621.4	1530.7	1349.3	1213.3
137.5°	2317.5	2428.8	2317.5	2206.3	2178.5	1992.1	1743.5	1619.2	1540.1	1381.9	1263.3
140°	2224.7	2328.7	2224.7	2120.7	2094.7	1933.6	1718.9	1611.5	1541.7	1401.9	1297.1
142.5°	2147.7	2237.2	2147.7	2058.3	2035.9	1894.5	1705.9	1611.5	1547.2	1418.5	1322.1
145°	2032.4	2100.1	2032.4	1964.7	1947.8	1832.1	1677.8	1600.7	1547.2	1440.3	1360.2
147.5°	1943.9	2000.0	1943.9	1887.9	1873.8	1782.8	1661.4	1600.7	1557.9	1472.3	1408.1
150°	1888.2	1933.6	1888.2	1842.7	1831.4	1754.4	1652.0	1600.7	1563.5	1489.0	1433.1
152.5°	1840.5	1874.9	1840.5	1806.2	1797.6	1731.9	1644.5	1600.7	1567.0	1499.8	1449.4
155°	1785.8	1808.5	1785.8	1763.0	1757.3	1705.1	1635.5	1600.7	1575.1	1523.8	1485.3
157.5°	1742.5	1758.5	1742.5	1726.5	1722.5	1681.9	1627.7	1600.7	1583.1	1547.8	1521.3
160°	1716.6	1725.8	1716.6	1707.4	1705.1	1670.3	1623.9	1600.7	1586.7	1558.6	1537.6
162.5°	1699.7	1708.4	1699.7	1691.0	1688.8	1659.4	1620.2	1600.7	1590.5	1570.2	1554.9
165°	1675.3	1684.4	1675.3	1666.0	1663.8	1642.7	1614.7	1600.7	1596.1	1586.8	1580.0
167.5°	1657.7	1661.6	1657.7	1653.9	1652.9	1639.2	1620.8	1611.5	1607.7	1599.9	1594.2
170°	1652.9	1652.9	1652.9	1652.9	1652.9	1639.2	1620.8	1611.5	1611.3	1610.8	1610.5
172.5°	1639.9	1636.5	1639.9	1643.3	1644.2	1633.3	1618.8	1611.5	1611.5	1611.5	1611.5
175°	1632.2	1632.2	1632.2	1632.2	1632.2	1625.3	1616.1	1611.5	1613.7	1618.1	1621.4
177.5°	1625.2	1621.4	1625.2	1629.0	1630.0	1624.6	1617.4	1613.7	1615.4	1618.8	1621.4
180°	1621.4	1621.4	1621.4	1621.4	1621.4	1621.4	1621.4	1621.4	1621.4	1621.4	1621.4



TEST NUMBER: P935226

CATALOG NUMBER: SQ4-FA-100U-100D-92765-1D-UNV-STD-W-12-3000K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	3653.5	3653.5	3653.5	3653.5	3653.5	3653.5	3653.5	3653.5	3653.5	3653.5	3653.5
2.5°	3705.4	3684.6	3684.6	3650.1	3636.2	3625.8	3608.6	3556.8	3542.9	3529.0	3549.8
5°	3736.5	3698.5	3670.8	3608.6	3556.8	3536.0	3470.3	3345.9	3262.9	3200.7	3166.2
7.5°	3743.4	3695.0	3643.1	3546.4	3421.9	3366.7	3166.2	2938.1	2875.8	2820.5	2785.9
10°	3736.5	3681.2	3608.6	3463.4	3169.6	3072.8	2872.3	2723.7	2685.7	2675.3	2685.7
12.5°	3712.2	3660.4	3560.2	3318.3	2906.9	2841.3	2723.7	2637.3	2630.4	2647.7	2741.0
15°	3670.8	3622.4	3504.9	3124.7	2761.7	2713.3	2630.4	2599.3	2637.3	2758.2	3038.3
17.5°	3629.3	3574.0	3428.8	2934.6	2651.2	2616.5	2557.8	2620.0	2834.3	2996.7	3090.1
20°	3574.0	3508.4	3342.4	2796.3	2571.6	2540.5	2512.9	2792.9	2955.3	3014.1	3065.9
22.5°	3508.4	3439.2	3224.9	2699.6	2488.7	2464.5	2481.7	2889.7	2955.3	2996.7	3041.7
25°	3421.9	3363.2	3086.7	2623.5	2423.0	2395.4	2461.1	2879.3	2917.3	2927.7	3017.5
27.5°	3342.4	3266.4	2941.5	2554.4	2343.5	2333.1	2478.3	2834.3	2862.0	2872.3	2969.1
30°	3245.6	3131.6	2779.0	2481.7	2260.6	2257.1	2481.7	2779.0	2772.1	2799.8	2896.5
32.5°	3145.4	2931.1	2595.8	2391.9	2181.0	2177.6	2457.6	2696.1	2689.2	2727.2	2799.8
35°	3052.1	2775.6	2347.0	2288.2	2080.8	2084.2	2398.8	2599.3	2602.8	2637.3	2682.2
37.5°	2955.3	2640.8	2073.9	2174.2	1984.1	1984.1	2319.3	2509.5	2502.5	2512.9	2575.1
40°	2841.3	2429.9	1832.0	2025.5	1894.1	1883.8	2222.6	2412.7	2388.4	2385.0	2471.4
42.5°	2720.2	2198.3	1652.2	1828.5	1790.5	1776.6	2105.0	2295.1	2250.2	2260.6	2371.1
45°	2588.9	2136.1	1513.9	1545.1	1683.3	1672.9	1977.1	2160.3	2129.2	2156.9	2271.0
47.5°	2457.6	2011.7	1469.0	1282.3	1569.2	1565.8	1835.4	2029.0	2011.7	2039.3	2160.3
50°	2277.8	1873.4	1465.5	1099.2	1441.4	1455.2	1666.0	1901.0	1901.0	1925.3	2053.1
52.5°	2046.2	1704.0	1330.7	995.4	1292.7	1334.2	1517.4	1790.5	1797.3	1821.6	1935.7
55°	1835.4	1527.8	1233.9	916.0	1116.5	1206.3	1372.2	1676.4	1690.3	1714.4	1818.1
57.5°	1641.9	1271.9	1213.3	822.7	954.0	1040.4	1244.3	1565.8	1572.7	1593.5	1693.7
60°	1434.4	919.4	1113.0	722.4	812.3	878.0	1126.8	1434.4	1458.7	1472.4	1558.8
62.5°	1199.4	667.1	1009.3	653.2	743.1	757.0	1030.0	1310.0	1341.1	1351.5	1403.4
65°	853.7	559.9	857.2	594.6	670.6	674.0	926.4	1182.1	1209.8	1227.0	1265.1
67.5°	577.2	456.2	653.2	539.2	615.2	618.7	826.1	1033.4	1071.5	1085.3	1109.6
70°	401.0	304.2	483.9	480.5	553.0	559.9	719.0	898.7	933.3	943.6	957.4
72.5°	293.8	245.4	401.0	432.1	487.4	494.3	608.3	746.6	781.2	791.5	798.4
75°	224.6	259.3	324.9	376.7	414.7	418.2	497.8	608.3	632.6	639.5	642.9
77.5°	179.7	242.0	238.5	304.2	338.7	331.8	390.6	470.1	490.8	490.8	490.8
80°	134.8	190.1	179.7	217.7	248.9	242.0	280.0	335.3	342.2	349.1	345.7
82.5°	100.2	121.0	121.0	138.2	165.9	159.0	186.6	217.7	217.7	217.7	224.6
85°	62.2	69.2	55.3	72.6	93.3	89.9	103.7	117.6	121.0	121.0	114.1
87.5°	38.0	31.1	17.3	27.6	41.5	41.5	48.4	51.9	48.4	48.4	48.4
90°	28.3	19.6	10.9	19.6	28.3	30.4	47.9	71.1	82.7	73.5	55.1
92.5°	191.5	117.5	43.5	117.5	191.5	210.0	295.3	408.9	465.8	408.2	293.1
95°	375.3	239.9	104.5	239.9	375.3	409.2	726.5	1149.7	1361.2	1214.7	921.7
97.5°	419.5	300.1	180.6	300.1	419.5	449.4	978.6	1684.2	2037.0	1944.4	1759.2
100°	456.0	347.7	239.4	347.7	456.0	483.1	1070.3	1853.3	2244.9	2251.7	2265.2
102.5°	491.6	390.5	289.4	390.5	491.6	516.9	1112.5	1906.6	2303.7	2421.6	2657.6
105°	545.5	459.9	374.4	459.9	545.5	566.9	1143.7	1912.6	2297.1	2561.7	3090.8
107.5°	621.0	541.2	461.4	541.2	621.0	640.9	1149.4	1827.4	2166.5	2535.5	3273.5
110°	664.2	592.2	520.2	592.2	664.2	682.3	1140.7	1752.0	2057.7	2470.2	3295.2



TEST NUMBER: P935226

CATALOG NUMBER: SQ4-FA-100U-100D-92765-1D-UNV-STD-W-12-3000K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	715.2	646.5	577.8	646.5	715.2	732.3	1141.1	1686.2	1958.7	2380.9	3225.3
115°	791.5	728.2	664.8	728.2	791.5	807.4	1151.6	1610.6	1840.1	2246.8	3060.2
117.5°	865.9	808.4	750.8	808.4	865.9	880.3	1173.1	1563.3	1758.5	2125.5	2859.7
120°	909.3	855.0	800.9	855.0	909.3	922.8	1190.5	1547.4	1725.8	2061.2	2732.0
122.5°	959.2	904.6	849.9	904.6	959.2	972.8	1215.5	1539.1	1700.8	2002.8	2606.9
125°	1024.6	974.8	925.0	974.8	1024.6	1037.0	1249.2	1532.2	1673.6	1930.2	2443.3
127.5°	1086.5	1036.2	985.8	1036.2	1086.5	1099.0	1282.9	1528.2	1650.8	1871.0	2311.6
130°	1126.8	1072.7	1018.5	1072.7	1126.8	1140.4	1307.6	1530.6	1642.0	1838.2	2230.4
132.5°	1160.6	1106.4	1052.3	1106.4	1160.6	1174.1	1327.5	1532.1	1634.4	1809.9	2161.1
135°	1201.0	1151.6	1102.3	1151.6	1201.0	1213.3	1349.3	1530.7	1621.4	1768.4	2062.4
137.5°	1251.1	1202.3	1153.4	1202.3	1251.1	1263.3	1381.9	1540.1	1619.2	1743.5	1992.1
140°	1285.8	1240.9	1195.9	1240.9	1285.8	1297.1	1401.9	1541.7	1611.5	1718.9	1933.6
142.5°	1311.7	1270.1	1228.5	1270.1	1311.7	1322.1	1418.5	1547.2	1611.5	1705.9	1894.5
145°	1351.1	1314.9	1278.6	1314.9	1351.1	1360.2	1440.3	1547.2	1600.7	1677.8	1832.1
147.5°	1399.3	1363.9	1328.6	1363.9	1399.3	1408.1	1472.3	1557.9	1600.7	1661.4	1782.8
150°	1425.1	1393.2	1361.2	1393.2	1425.1	1433.1	1489.0	1563.5	1600.7	1652.0	1754.4
152.5°	1443.4	1419.1	1395.0	1419.1	1443.4	1449.4	1499.8	1567.0	1600.7	1644.5	1731.9
155°	1480.9	1462.9	1445.0	1462.9	1480.9	1485.3	1523.8	1575.1	1600.7	1635.5	1705.1
157.5°	1516.9	1499.5	1482.0	1499.5	1516.9	1521.3	1547.8	1583.1	1600.7	1627.7	1681.9
160°	1534.2	1520.7	1507.0	1520.7	1534.2	1537.6	1558.6	1586.7	1600.7	1623.9	1670.3
162.5°	1552.4	1542.2	1532.1	1542.2	1552.4	1554.9	1570.2	1590.5	1600.7	1620.2	1659.4
165°	1577.7	1568.4	1559.3	1568.4	1577.7	1580.0	1586.8	1596.1	1600.7	1614.7	1642.7
167.5°	1593.0	1588.7	1584.3	1588.7	1593.0	1594.2	1599.9	1607.7	1611.5	1620.8	1639.2
170°	1609.4	1605.1	1600.7	1605.1	1609.4	1610.5	1610.8	1611.3	1611.5	1620.8	1639.2
172.5°	1611.3	1610.3	1609.3	1610.3	1611.3	1611.5	1611.5	1611.5	1611.5	1618.8	1633.3
175°	1621.4	1621.4	1621.4	1621.4	1621.4	1621.4	1618.1	1613.7	1611.5	1616.1	1625.3
177.5°	1621.4	1621.4	1621.4	1621.4	1621.4	1621.4	1618.8	1615.4	1613.7	1617.4	1624.6
180°	1621.4	1621.4	1621.4	1621.4	1621.4	1621.4	1621.4	1621.4	1621.4	1621.4	1621.4



TEST NUMBER: P935226

CATALOG NUMBER: SQ4-FA-100U-100D-92765-1D-UNV-STD-W-12-3000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	3653.5	3653.5	3653.5	3653.5	3653.5	3653.5	3653.5	3653.5	3653.5	3653.5	3653.5
2.5°	3525.6	3515.3	3529.0	3491.0	3529.0	3515.3	3525.6	3549.8	3529.0	3542.9	3556.8
5°	3093.5	3076.3	3021.0	2976.1	3021.0	3076.3	3093.5	3166.2	3200.7	3262.9	3345.9
7.5°	2765.2	2751.4	2737.6	2709.8	2737.6	2751.4	2765.2	2785.9	2820.5	2875.8	2938.1
10°	2692.6	2696.1	2716.8	2713.3	2716.8	2696.1	2692.6	2685.7	2675.3	2685.7	2723.7
12.5°	2879.3	2910.3	3024.4	3017.5	3024.4	2910.3	2879.3	2741.0	2647.7	2630.4	2637.3
15°	3093.5	3103.9	3128.2	3131.6	3128.2	3103.9	3093.5	3038.3	2758.2	2637.3	2599.3
17.5°	3114.3	3117.8	3135.0	3135.0	3135.0	3117.8	3114.3	3090.1	2996.7	2834.3	2620.0
20°	3097.0	3103.9	3138.5	3145.4	3138.5	3103.9	3097.0	3065.9	3014.1	2955.3	2792.9
22.5°	3090.1	3103.9	3131.6	3128.2	3131.6	3103.9	3090.1	3041.7	2996.7	2955.3	2889.7
25°	3055.5	3055.5	3059.0	3062.4	3059.0	3055.5	3055.5	3017.5	2927.7	2917.3	2879.3
27.5°	2983.0	2989.9	3010.6	3007.1	3010.6	2989.9	2983.0	2969.1	2872.3	2862.0	2834.3
30°	2917.3	2910.3	2893.1	2879.3	2893.1	2910.3	2917.3	2896.5	2799.8	2772.1	2779.0
32.5°	2806.6	2789.4	2772.1	2761.7	2772.1	2789.4	2806.6	2799.8	2727.2	2689.2	2696.1
35°	2675.3	2678.8	2675.3	2664.9	2675.3	2678.8	2675.3	2682.2	2637.3	2602.8	2599.3
37.5°	2582.0	2588.9	2585.5	2571.6	2585.5	2588.9	2582.0	2575.1	2512.9	2502.5	2509.5
40°	2485.2	2488.7	2485.2	2474.8	2485.2	2488.7	2485.2	2471.4	2385.0	2388.4	2412.7
42.5°	2391.9	2388.4	2378.0	2371.1	2378.0	2388.4	2391.9	2371.1	2260.6	2250.2	2295.1
45°	2284.7	2288.2	2267.5	2257.1	2267.5	2288.2	2284.7	2271.0	2156.9	2129.2	2160.3
47.5°	2177.6	2177.6	2160.3	2149.9	2160.3	2177.6	2177.6	2160.3	2039.3	2011.7	2029.0
50°	2063.5	2060.1	2035.9	2032.4	2035.9	2060.1	2063.5	2053.1	1925.3	1901.0	1901.0
52.5°	1932.2	1932.2	1935.7	1942.5	1935.7	1932.2	1932.2	1935.7	1821.6	1797.3	1790.5
55°	1818.1	1821.6	1845.7	1852.6	1845.7	1821.6	1818.1	1818.1	1714.4	1690.3	1676.4
57.5°	1700.6	1700.6	1717.9	1717.9	1717.9	1700.6	1700.6	1693.7	1593.5	1572.7	1565.8
60°	1565.8	1572.7	1586.5	1583.1	1586.5	1572.7	1565.8	1558.8	1472.4	1458.7	1434.4
62.5°	1424.0	1431.0	1434.4	1427.5	1434.4	1431.0	1424.0	1403.4	1351.5	1341.1	1310.0
65°	1275.4	1282.3	1285.8	1278.9	1285.8	1282.3	1275.4	1265.1	1227.0	1209.8	1182.1
67.5°	1123.4	1119.9	1116.5	1130.2	1116.5	1119.9	1123.4	1109.6	1085.3	1071.5	1033.4
70°	967.8	967.8	964.4	971.3	964.4	967.8	967.8	957.4	943.6	933.3	898.7
72.5°	801.9	798.4	812.3	801.9	812.3	798.4	801.9	798.4	791.5	781.2	746.6
75°	639.5	646.4	639.5	649.8	639.5	646.4	639.5	642.9	639.5	632.6	608.3
77.5°	487.4	494.3	487.4	487.4	487.4	494.3	487.4	490.8	490.8	490.8	470.1
80°	345.7	342.2	342.2	338.7	342.2	342.2	345.7	345.7	349.1	342.2	335.3
82.5°	221.2	217.7	217.7	224.6	217.7	217.7	221.2	224.6	217.7	217.7	217.7
85°	121.0	124.4	117.6	117.6	117.6	124.4	121.0	114.1	121.0	121.0	117.6
87.5°	44.9	41.5	41.5	41.5	41.5	41.5	44.9	48.4	48.4	48.4	51.9
90°	41.3	41.3	41.3	41.3	41.3	41.3	41.3	55.1	73.5	82.7	71.1
92.5°	206.8	198.6	165.6	132.7	165.6	198.6	206.8	293.1	408.2	465.8	408.9
95°	701.8	676.9	577.3	477.7	577.3	676.9	701.8	921.7	1214.7	1361.2	1149.7
97.5°	1620.2	1572.9	1383.3	1193.7	1383.3	1572.9	1620.2	1759.2	1944.4	2037.0	1684.2
100°	2275.3	2218.9	1993.0	1767.2	1993.0	2218.9	2275.3	2265.2	2251.7	2244.9	1853.3
102.5°	2834.6	2786.2	2592.8	2399.4	2592.8	2786.2	2834.6	2657.6	2421.6	2303.7	1906.6
105°	3487.5	3461.5	3357.5	3253.6	3357.5	3461.5	3487.5	3090.8	2561.7	2297.1	1912.6
107.5°	3827.0	3833.3	3858.5	3883.6	3858.5	3833.3	3827.0	3273.5	2535.5	2166.5	1827.4
110°	3914.0	3941.2	4049.5	4157.9	4049.5	3941.2	3914.0	3295.2	2470.2	2057.7	1752.0



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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3858.6	3900.2	4066.6	4232.9	4066.6	3900.2	3858.6	3225.3	2380.9	1958.7	1686.2
115°	3670.3	3727.9	3958.7	4189.3	3958.7	3727.9	3670.3	3060.2	2246.8	1840.1	1610.6
117.5°	3410.3	3474.2	3730.0	3985.9	3730.0	3474.2	3410.3	2859.7	2125.5	1758.5	1563.3
120°	3235.1	3297.2	3545.8	3794.4	3545.8	3297.2	3235.1	2732.0	2061.2	1725.8	1547.4
122.5°	3059.9	3121.2	3366.3	3611.5	3366.3	3121.2	3059.9	2606.9	2002.8	1700.8	1539.1
125°	2828.1	2884.5	3110.4	3336.2	3110.4	2884.5	2828.1	2443.3	1930.2	1673.6	1532.2
127.5°	2642.0	2689.6	2880.2	3070.8	2880.2	2689.6	2642.0	2311.6	1871.0	1650.8	1528.2
130°	2524.5	2568.6	2744.6	2920.6	2744.6	2568.6	2524.5	2230.4	1838.2	1642.0	1530.6
132.5°	2424.4	2463.8	2621.5	2779.2	2621.5	2463.8	2424.4	2161.1	1809.9	1634.4	1532.1
135°	2282.9	2316.9	2452.8	2588.7	2452.8	2316.9	2282.9	2062.4	1768.4	1621.4	1530.7
137.5°	2178.5	2206.3	2317.5	2428.8	2317.5	2206.3	2178.5	1992.1	1743.5	1619.2	1540.1
140°	2094.7	2120.7	2224.7	2328.7	2224.7	2120.7	2094.7	1933.6	1718.9	1611.5	1541.7
142.5°	2035.9	2058.3	2147.7	2237.2	2147.7	2058.3	2035.9	1894.5	1705.9	1611.5	1547.2
145°	1947.8	1964.7	2032.4	2100.1	2032.4	1964.7	1947.8	1832.1	1677.8	1600.7	1547.2
147.5°	1873.8	1887.9	1943.9	2000.0	1943.9	1887.9	1873.8	1782.8	1661.4	1600.7	1557.9
150°	1831.4	1842.7	1888.2	1933.6	1888.2	1842.7	1831.4	1754.4	1652.0	1600.7	1563.5
152.5°	1797.6	1806.2	1840.5	1874.9	1840.5	1806.2	1797.6	1731.9	1644.5	1600.7	1567.0
155°	1757.3	1763.0	1785.8	1808.5	1785.8	1763.0	1757.3	1705.1	1635.5	1600.7	1575.1
157.5°	1722.5	1726.5	1742.5	1758.5	1742.5	1726.5	1722.5	1681.9	1627.7	1600.7	1583.1
160°	1705.1	1707.4	1716.6	1725.8	1716.6	1707.4	1705.1	1670.3	1623.9	1600.7	1586.7
162.5°	1688.8	1691.0	1699.7	1708.4	1699.7	1691.0	1688.8	1659.4	1620.2	1600.7	1590.5
165°	1663.8	1666.0	1675.3	1684.4	1675.3	1666.0	1663.8	1642.7	1614.7	1600.7	1596.1
167.5°	1652.9	1653.9	1657.7	1661.6	1657.7	1653.9	1652.9	1639.2	1620.8	1611.5	1607.7
170°	1652.9	1652.9	1652.9	1652.9	1652.9	1652.9	1652.9	1639.2	1620.8	1611.5	1611.3
172.5°	1644.2	1643.3	1639.9	1636.5	1639.9	1643.3	1644.2	1633.3	1618.8	1611.5	1611.5
175°	1632.2	1632.2	1632.2	1632.2	1632.2	1632.2	1632.2	1625.3	1616.1	1611.5	1613.7
177.5°	1630.0	1629.0	1625.2	1621.4	1625.2	1629.0	1630.0	1624.6	1617.4	1613.7	1615.4
180°	1621.4	1621.4	1621.4	1621.4	1621.4	1621.4	1621.4	1621.4	1621.4	1621.4	1621.4



TEST NUMBER: P935226

CATALOG NUMBER: SQ4-FA-100U-100D-92765-1D-UNV-STD-W-12-3000K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	3653.5	3653.5	3653.5	3653.5	3653.5
2.5°	3608.6	3625.8	3636.2	3650.1	3684.6
5°	3470.3	3536.0	3556.8	3608.6	3670.8
7.5°	3166.2	3366.7	3421.9	3546.4	3643.1
10°	2872.3	3072.8	3169.6	3463.4	3608.6
12.5°	2723.7	2841.3	2906.9	3318.3	3560.2
15°	2630.4	2713.3	2761.7	3124.7	3504.9
17.5°	2557.8	2616.5	2651.2	2934.6	3428.8
20°	2512.9	2540.5	2571.6	2796.3	3342.4
22.5°	2481.7	2464.5	2488.7	2699.6	3224.9
25°	2461.1	2395.4	2423.0	2623.5	3086.7
27.5°	2478.3	2333.1	2343.5	2554.4	2941.5
30°	2481.7	2257.1	2260.6	2481.7	2779.0
32.5°	2457.6	2177.6	2181.0	2391.9	2595.8
35°	2398.8	2084.2	2080.8	2288.2	2347.0
37.5°	2319.3	1984.1	1984.1	2174.2	2073.9
40°	2222.6	1883.8	1894.1	2025.5	1832.0
42.5°	2105.0	1776.6	1790.5	1828.5	1652.2
45°	1977.1	1672.9	1683.3	1545.1	1513.9
47.5°	1835.4	1565.8	1569.2	1282.3	1469.0
50°	1666.0	1455.2	1441.4	1099.2	1465.5
52.5°	1517.4	1334.2	1292.7	995.4	1330.7
55°	1372.2	1206.3	1116.5	916.0	1233.9
57.5°	1244.3	1040.4	954.0	822.7	1213.3
60°	1126.8	878.0	812.3	722.4	1113.0
62.5°	1030.0	757.0	743.1	653.2	1009.3
65°	926.4	674.0	670.6	594.6	857.2
67.5°	826.1	618.7	615.2	539.2	653.2
70°	719.0	559.9	553.0	480.5	483.9
72.5°	608.3	494.3	487.4	432.1	401.0
75°	497.8	418.2	414.7	376.7	324.9
77.5°	390.6	331.8	338.7	304.2	238.5
80°	280.0	242.0	248.9	217.7	179.7
82.5°	186.6	159.0	165.9	138.2	121.0
85°	103.7	89.9	93.3	72.6	55.3
87.5°	48.4	41.5	41.5	27.6	17.3
90°	47.9	30.4	28.3	19.6	10.9
92.5°	295.3	210.0	191.5	117.5	43.5
95°	726.5	409.2	375.3	239.9	104.5
97.5°	978.6	449.4	419.5	300.1	180.6
100°	1070.3	483.1	456.0	347.7	239.4
102.5°	1112.5	516.9	491.6	390.5	289.4
105°	1143.7	566.9	545.5	459.9	374.4
107.5°	1149.4	640.9	621.0	541.2	461.4
110°	1140.7	682.3	664.2	592.2	520.2



TEST NUMBER: P935226

CATALOG NUMBER: SQ4-FA-100U-100D-92765-1D-UNV-STD-W-12-3000K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	1141.1	732.3	715.2	646.5	577.8
115°	1151.6	807.4	791.5	728.2	664.8
117.5°	1173.1	880.3	865.9	808.4	750.8
120°	1190.5	922.8	909.3	855.0	800.9
122.5°	1215.5	972.8	959.2	904.6	849.9
125°	1249.2	1037.0	1024.6	974.8	925.0
127.5°	1282.9	1099.0	1086.5	1036.2	985.8
130°	1307.6	1140.4	1126.8	1072.7	1018.5
132.5°	1327.5	1174.1	1160.6	1106.4	1052.3
135°	1349.3	1213.3	1201.0	1151.6	1102.3
137.5°	1381.9	1263.3	1251.1	1202.3	1153.4
140°	1401.9	1297.1	1285.8	1240.9	1195.9
142.5°	1418.5	1322.1	1311.7	1270.1	1228.5
145°	1440.3	1360.2	1351.1	1314.9	1278.6
147.5°	1472.3	1408.1	1399.3	1363.9	1328.6
150°	1489.0	1433.1	1425.1	1393.2	1361.2
152.5°	1499.8	1449.4	1443.4	1419.1	1395.0
155°	1523.8	1485.3	1480.9	1462.9	1445.0
157.5°	1547.8	1521.3	1516.9	1499.5	1482.0
160°	1558.6	1537.6	1534.2	1520.7	1507.0
162.5°	1570.2	1554.9	1552.4	1542.2	1532.1
165°	1586.8	1580.0	1577.7	1568.4	1559.3
167.5°	1599.9	1594.2	1593.0	1588.7	1584.3
170°	1610.8	1610.5	1609.4	1605.1	1600.7
172.5°	1611.5	1611.5	1611.3	1610.3	1609.3
175°	1618.1	1621.4	1621.4	1621.4	1621.4
177.5°	1618.8	1621.4	1621.4	1621.4	1621.4
180°	1621.4	1621.4	1621.4	1621.4	1621.4



TEST NUMBER: P935226  
 CATALOG NUMBER: SQ4-FA-100U-100D-92765-1D-UNV-STD-W-12-3000K

**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	12.99	13.83	13.97	14.82	16.13	15.84	16.68	16.82	17.68	18.98
	3H	13.47	14.22	14.46	15.22	16.55	17.20	17.95	18.18	18.95	20.28
	4H	13.66	14.37	14.66	15.37	16.71	17.64	18.35	18.65	19.36	20.70
	6H	13.78	14.43	14.79	15.44	16.79	17.93	18.59	18.95	19.60	20.95
	8H	13.78	14.40	14.80	15.43	16.77	18.01	18.63	19.03	19.66	21.00
	12H	13.75	14.34	14.77	15.36	16.73	18.05	18.64	19.07	19.66	21.03
4H	2H	14.03	14.74	15.04	15.74	17.08	16.25	16.96	17.26	17.97	19.30
	3H	15.05	15.65	16.07	16.68	18.03	17.76	18.35	18.78	19.39	20.74
	4H	15.33	15.87	16.35	16.90	18.27	18.29	18.83	19.32	19.86	21.23
	6H	15.45	15.92	16.49	16.97	18.34	18.66	19.13	19.70	20.18	21.55
	8H	15.46	15.89	16.49	16.93	18.32	18.77	19.21	19.81	20.25	21.63
	12H	15.42	15.82	16.48	16.87	18.26	18.83	19.22	19.89	20.28	21.67
8H	4H	15.78	16.22	16.82	17.26	18.65	18.41	18.85	19.45	19.89	21.28
	6H	16.04	16.40	17.11	17.49	18.87	18.85	19.21	19.92	20.30	21.68
	8H	16.09	16.40	17.16	17.47	18.87	19.01	19.33	20.08	20.39	21.80
	12H	16.07	16.35	17.14	17.41	18.85	19.11	19.39	20.18	20.45	21.90
12H	4H	15.79	16.18	16.85	17.24	18.63	18.38	18.77	19.43	19.83	21.22
	6H	16.11	16.42	17.17	17.49	18.89	18.85	19.17	19.92	20.24	21.64
	8H	16.17	16.45	17.24	17.51	18.96	19.02	19.29	20.09	20.36	21.80