

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: P935253

Luminaire Tested: SQ4-FA-100U-100D-93050-1D-UNV-STD-W-12-3000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935253
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-12-3000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

Summary

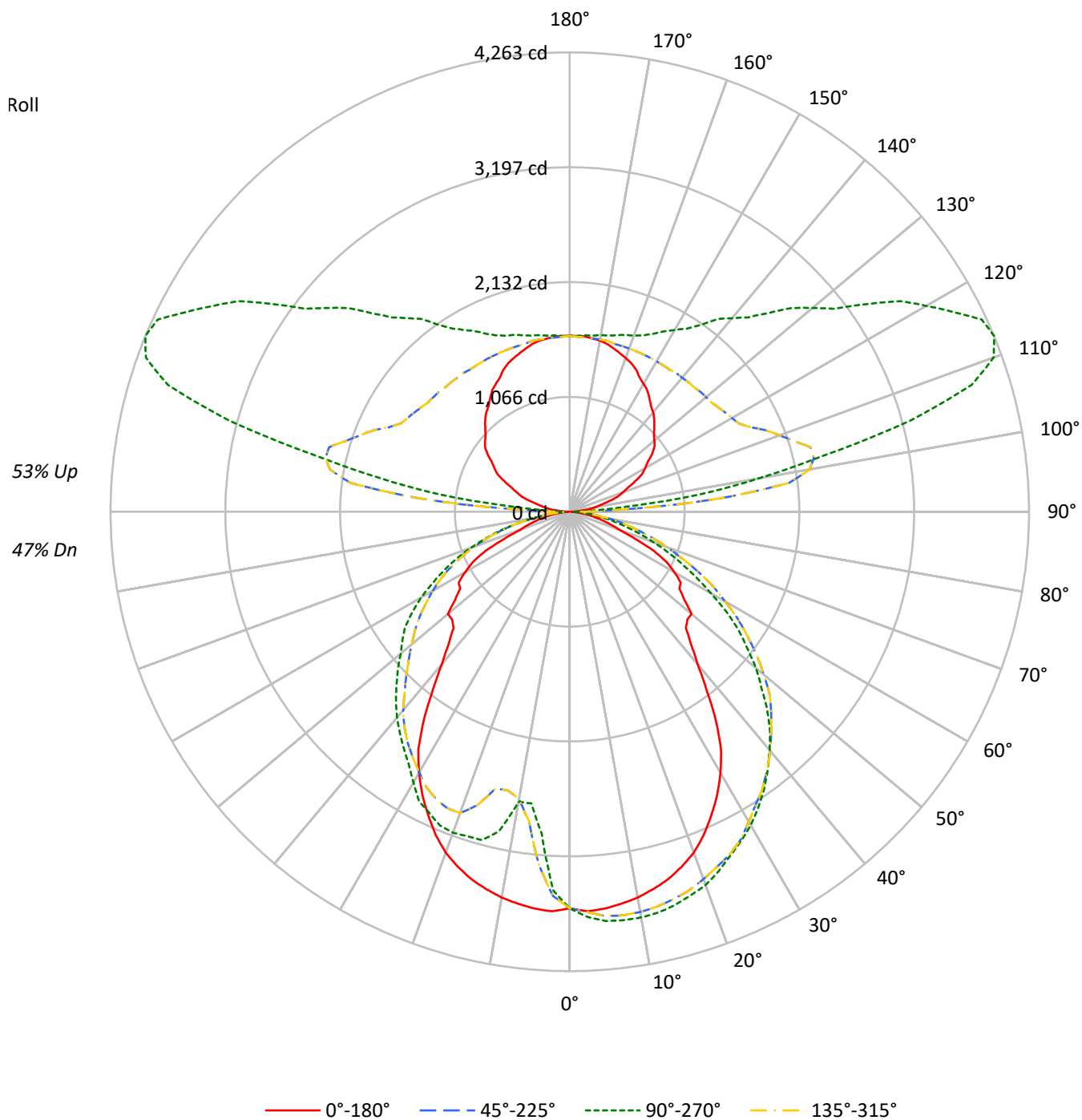
Lumens per Lamp: N/A
Luminaire Lumens: 20133.3 lumens
Efficiency: N/A
Efficacy: 115.7 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 12' x H: 0.1')
CIE Type: General Diffuse

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



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	11382	11382	11382	11382
5°	11471	11490	11471	9034
10°	11398	11318	11398	8091
15°	11279	11072	11279	9246
20°	11047	10782	11047	9265
25°	10569	10358	10569	9068
30°	9949	10007	9949	8638
35°	8874	9561	8874	8164
40°	7398	9038	7398	7806
45°	6615	8425	6615	7394
50°	7033	7694	7033	6982
55°	6623	6906	6623	6742
60°	6836	5865	6836	6175
65°	6208	4848	6208	5420
70°	4309	3864	4309	4543
75°	3793	2856	3793	3420
80°	3079	1888	3079	2056
85°	1805	1000	1805	850

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°

Vertical Angle: 45°

Luminance: 10132 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	332.2	1.6
10°-20°	943.1	4.7
20°-30°	1457.9	7.2
30°-40°	1740.4	8.6
40°-50°	1750.6	8.7
50°-60°	1523.2	7.6
60°-70°	1080.0	5.4
70°-80°	571.4	2.8
80°-90°	148.5	0.7
90°-100°	796.0	4.0
100°-110°	2092.7	10.4
110°-120°	2170.0	10.8
120°-130°	1740.6	8.6
130°-140°	1365.7	6.8
140°-150°	1048.2	5.2
150°-160°	754.9	3.7
160°-170°	461.9	2.3
170°-180°	156.1	0.8
0°-30°	2733.1	13.6
0°-40°	4473.5	22.2
0°-60°	7747.3	38.5
0°-90°	9547.2	47.4
90°-120°	5058.7	25.1
90°-150°	9213.2	45.8
90°-180°	10586.0	52.6
0°-180°	20133.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3680	3680	3680	3680	3680	
5°	3697	3812	3697	2998	3697	351
15°	3530	3777	3530	3154	3530	993
25°	3109	3523	3109	3084	3109	1427
35°	2364	3144	2364	2684	2364	1462
45°	1525	2590	1525	2273	1525	1221
55°	1243	1911	1243	1866	1243	1142
65°	863	1152	863	1288	863	825
75°	327	547	327	654	327	344
85°	56	139	56	118	56	75
90°	11	42	11	42	11	11
95°	105	481	105	481	105	117
105°	377	3277	377	3277	377	400
115°	670	4219	670	4219	670	661
125°	932	3360	932	3360	932	827
135°	1110	2607	1110	2607	1110	859
145°	1288	2115	1288	2115	1288	807
155°	1455	1822	1455	1822	1455	669
165°	1570	1696	1570	1696	1570	443
175°	1633	1644	1633	1644	1633	155
180°	1633	1633	1633	1633	1633	

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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	3679.7	3679.7	3679.7	3679.7	3679.7	3679.7	3679.7	3679.7	3679.7	3679.7	3679.7
2.5°	3711.1	3711.1	3732.0	3738.9	3738.9	3728.5	3718.0	3728.5	3759.8	3770.3	3766.8
5°	3697.2	3725.1	3763.3	3770.3	3777.2	3773.8	3766.8	3773.8	3808.6	3815.5	3819.0
7.5°	3669.3	3721.5	3770.3	3780.7	3791.2	3780.7	3777.2	3784.2	3819.0	3826.0	3826.0
10°	3634.5	3707.7	3763.3	3770.3	3780.7	3770.3	3770.3	3784.2	3819.0	3826.0	3829.5
12.5°	3585.8	3686.8	3738.9	3746.0	3759.8	3756.3	3752.9	3766.8	3801.6	3808.6	3808.6
15°	3530.1	3648.5	3697.2	3704.1	3728.5	3721.5	3721.5	3735.5	3773.8	3784.2	3780.7
17.5°	3453.5	3599.7	3655.4	3665.9	3683.2	3679.7	3683.2	3697.2	3732.0	3738.9	3742.4
20°	3366.4	3533.6	3599.7	3610.2	3627.6	3627.6	3627.6	3644.9	3679.7	3693.7	3693.7
22.5°	3248.0	3463.9	3533.6	3540.5	3561.4	3561.4	3568.4	3592.7	3624.0	3627.6	3627.6
25°	3108.8	3387.3	3446.5	3467.4	3488.3	3498.7	3509.2	3523.1	3533.6	3530.1	3533.6
27.5°	2962.6	3289.9	3366.4	3380.4	3408.2	3418.7	3432.6	3436.1	3439.5	3450.0	3443.0
30°	2799.0	3154.1	3268.9	3282.9	3328.1	3335.1	3321.2	3328.1	3345.5	3352.6	3359.5
32.5°	2614.4	2952.1	3168.0	3199.3	3241.1	3220.2	3216.8	3227.2	3255.1	3255.1	3262.0
35°	2363.9	2795.5	3074.1	3101.9	3133.2	3108.8	3122.7	3126.2	3143.6	3154.1	3150.6
37.5°	2088.8	2659.8	2976.6	2997.5	3021.8	2990.4	3011.3	3021.8	3035.8	3028.7	3028.7
40°	1845.1	2447.4	2861.7	2875.6	2896.5	2872.1	2892.9	2900.0	2906.9	2900.0	2896.5
42.5°	1664.1	2214.1	2739.8	2757.3	2743.3	2760.7	2767.6	2781.6	2771.1	2757.3	2757.3
45°	1524.8	2151.5	2607.5	2628.4	2607.5	2635.3	2645.8	2645.8	2614.4	2607.5	2604.1
47.5°	1479.6	2026.2	2475.2	2475.2	2464.8	2499.6	2517.0	2492.6	2461.3	2450.9	2450.9
50°	1476.1	1886.9	2294.2	2280.2	2329.0	2370.8	2353.4	2329.0	2304.7	2266.4	2266.4
52.5°	1340.3	1716.3	2060.9	2113.2	2189.8	2214.1	2186.3	2161.9	2120.1	2102.7	2088.8
55°	1242.8	1538.8	1848.6	1953.0	2033.1	2064.4	2012.2	1987.9	1925.1	1914.7	1907.8
57.5°	1222.0	1281.1	1653.7	1785.9	1883.4	1879.9	1848.6	1803.3	1751.1	1740.7	1737.2
60°	1121.0	926.0	1444.7	1601.4	1702.4	1692.0	1664.1	1622.3	1573.6	1566.6	1559.6
62.5°	1016.5	671.9	1208.0	1385.6	1528.3	1524.8	1500.5	1437.8	1403.0	1385.6	1371.6
65°	863.4	564.0	859.9	1152.3	1357.7	1364.7	1312.4	1267.2	1228.9	1208.0	1204.5
67.5°	657.9	459.5	581.3	960.9	1194.1	1187.1	1121.0	1100.1	1051.3	1040.9	1020.1
70°	487.4	306.4	403.8	779.8	1033.9	1016.5	964.3	940.0	894.7	870.3	856.4
72.5°	403.8	247.2	295.9	605.8	870.3	849.4	804.2	776.3	738.0	717.1	703.3
75°	327.3	261.1	226.3	449.1	706.7	692.8	651.0	623.2	591.8	564.0	567.5
77.5°	240.2	243.7	181.0	330.8	560.5	539.6	515.2	480.4	466.5	438.6	438.6
80°	181.0	191.5	135.8	226.3	403.8	403.8	382.9	358.6	334.2	320.3	320.3
82.5°	121.8	121.8	100.9	142.7	275.0	264.5	250.7	243.7	229.8	222.8	222.8
85°	55.7	69.6	62.6	87.0	149.7	156.7	156.7	149.7	146.2	139.2	142.7
87.5°	17.4	31.4	38.3	48.7	76.6	80.1	83.5	83.5	83.5	87.0	87.0
90°	11.0	19.8	28.5	30.7	48.2	71.6	83.3	74.0	55.5	41.6	41.6
92.5°	43.8	118.3	192.9	211.5	297.4	411.8	469.1	411.1	295.2	208.2	200.0
95°	105.2	241.6	378.0	412.1	731.7	1158.0	1371.0	1223.5	928.3	706.9	681.7
97.5°	181.9	302.2	422.6	452.7	985.6	1696.3	2051.6	1958.3	1771.8	1631.9	1584.2
100°	241.1	350.2	459.3	486.6	1078.0	1866.7	2261.0	2267.9	2281.5	2291.7	2234.8
102.5°	291.5	393.3	495.1	520.6	1120.4	1920.3	2320.2	2439.0	2676.7	2855.0	2806.3
105°	377.1	463.2	549.5	571.0	1151.9	1926.4	2313.6	2580.1	3113.0	3512.6	3486.4
107.5°	464.7	545.1	625.4	645.6	1157.7	1840.6	2182.1	2553.7	3297.1	3854.5	3860.8
110°	523.9	596.5	669.0	687.2	1148.9	1764.6	2072.4	2488.0	3318.9	3942.2	3969.5

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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	582.0	651.2	720.3	737.6	1149.3	1698.3	1972.8	2398.0	3248.5	3886.3	3928.2
115°	669.6	733.5	797.2	813.2	1159.9	1622.1	1853.3	2262.9	3082.2	3696.7	3754.7
117.5°	756.2	814.2	872.2	886.6	1181.5	1574.5	1771.1	2140.8	2880.2	3434.8	3499.2
120°	806.6	861.2	915.8	929.4	1199.1	1558.5	1738.2	2076.0	2751.6	3258.3	3320.9
122.5°	856.0	911.1	966.0	979.8	1224.3	1550.1	1713.0	2017.2	2625.6	3081.9	3143.6
125°	931.6	981.8	1031.9	1044.5	1258.2	1543.2	1685.6	1944.0	2460.8	2848.4	2905.2
127.5°	992.9	1043.6	1094.3	1106.9	1292.2	1539.1	1662.6	1884.5	2328.2	2661.0	2708.9
130°	1025.9	1080.4	1134.9	1148.6	1317.0	1541.6	1653.8	1851.4	2246.4	2542.7	2587.0
132.5°	1059.8	1114.4	1168.9	1182.5	1337.0	1543.1	1646.1	1822.9	2176.6	2441.9	2481.6
135°	1110.3	1159.9	1209.6	1222.0	1359.0	1541.7	1633.0	1781.1	2077.2	2299.3	2333.6
137.5°	1161.7	1210.9	1260.1	1272.4	1391.8	1551.2	1630.8	1756.0	2006.4	2194.2	2222.2
140°	1204.5	1249.8	1295.1	1306.4	1412.0	1552.7	1623.1	1731.2	1947.5	2109.8	2135.9
142.5°	1237.4	1279.2	1321.1	1331.6	1428.7	1558.3	1623.1	1718.1	1908.1	2050.6	2073.1
145°	1287.8	1324.3	1360.8	1370.0	1450.7	1558.4	1612.2	1689.9	1845.2	1961.8	1978.8
147.5°	1338.2	1373.8	1409.3	1418.2	1482.8	1569.1	1612.2	1673.3	1795.6	1887.3	1901.4
150°	1371.0	1403.2	1435.3	1443.4	1499.7	1574.7	1612.2	1663.9	1767.1	1844.5	1855.9
152.5°	1405.0	1429.3	1453.8	1459.8	1510.6	1578.3	1612.2	1656.3	1744.4	1810.5	1819.1
155°	1455.4	1473.4	1491.5	1496.0	1534.7	1586.4	1612.2	1647.3	1717.3	1770.0	1775.7
157.5°	1492.7	1510.2	1527.8	1532.2	1558.9	1594.5	1612.2	1639.4	1694.0	1734.9	1738.9
160°	1517.9	1531.6	1545.2	1548.6	1569.8	1598.1	1612.2	1635.6	1682.3	1717.3	1719.6
162.5°	1543.1	1553.3	1563.6	1566.1	1581.5	1601.9	1612.2	1631.9	1671.3	1700.9	1703.1
165°	1570.5	1579.7	1589.0	1591.3	1598.2	1607.6	1612.2	1626.3	1654.5	1675.7	1678.0
167.5°	1595.7	1600.1	1604.5	1605.6	1611.4	1619.2	1623.1	1632.4	1650.9	1664.8	1665.8
170°	1612.2	1616.6	1621.0	1622.0	1622.4	1622.8	1623.1	1632.4	1650.9	1664.8	1664.8
172.5°	1620.9	1621.9	1622.8	1623.1	1623.1	1623.1	1623.1	1630.4	1645.1	1656.0	1655.2
175°	1633.0	1633.0	1633.0	1633.0	1629.7	1625.3	1623.1	1627.8	1637.0	1643.9	1643.9
177.5°	1633.0	1633.0	1633.0	1633.0	1630.5	1627.1	1625.3	1629.0	1636.3	1641.7	1640.8
180°	1633.0	1633.0	1633.0	1633.0	1633.0	1633.0	1633.0	1633.0	1633.0	1633.0	1633.0

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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	3679.7	3679.7	3679.7	3679.7	3679.7	3679.7	3679.7	3679.7	3679.7	3679.7	3679.7
2.5°	3773.8	3763.3	3773.8	3766.8	3770.3	3759.8	3728.5	3718.0	3728.5	3738.9	3738.9
5°	3819.0	3812.1	3819.0	3819.0	3815.5	3808.6	3773.8	3766.8	3773.8	3777.2	3770.3
7.5°	3832.9	3822.5	3832.9	3826.0	3826.0	3819.0	3784.2	3777.2	3780.7	3791.2	3780.7
10°	3832.9	3822.5	3832.9	3829.5	3826.0	3819.0	3784.2	3770.3	3770.3	3780.7	3770.3
12.5°	3815.5	3808.6	3815.5	3808.6	3808.6	3801.6	3766.8	3752.9	3756.3	3759.8	3746.0
15°	3787.7	3777.2	3787.7	3780.7	3784.2	3773.8	3735.5	3721.5	3721.5	3728.5	3704.1
17.5°	3746.0	3732.0	3746.0	3742.4	3738.9	3732.0	3697.2	3683.2	3679.7	3683.2	3665.9
20°	3697.2	3686.8	3697.2	3693.7	3693.7	3679.7	3644.9	3627.6	3627.6	3627.6	3610.2
22.5°	3620.6	3610.2	3620.6	3627.6	3627.6	3624.0	3592.7	3568.4	3561.4	3561.4	3540.5
25°	3533.6	3523.1	3533.6	3533.6	3530.1	3533.6	3523.1	3509.2	3498.7	3488.3	3467.4
27.5°	3450.0	3443.0	3450.0	3443.0	3450.0	3439.5	3436.1	3432.6	3418.7	3408.2	3380.4
30°	3366.4	3359.5	3366.4	3359.5	3352.6	3345.5	3328.1	3321.2	3335.1	3328.1	3282.9
32.5°	3262.0	3255.1	3262.0	3262.0	3255.1	3255.1	3227.2	3216.8	3220.2	3241.1	3199.3
35°	3154.1	3143.6	3154.1	3150.6	3154.1	3143.6	3126.2	3122.7	3108.8	3133.2	3101.9
37.5°	3028.7	3018.3	3028.7	3028.7	3028.7	3035.8	3021.8	3011.3	2990.4	3021.8	2997.5
40°	2900.0	2886.0	2900.0	2896.5	2900.0	2906.9	2900.0	2892.9	2872.1	2896.5	2875.6
42.5°	2753.7	2750.2	2753.7	2757.3	2757.3	2771.1	2781.6	2767.6	2760.7	2743.3	2757.3
45°	2597.0	2590.1	2597.0	2604.1	2607.5	2614.4	2645.8	2645.8	2635.3	2607.5	2628.4
47.5°	2430.0	2412.6	2430.0	2450.9	2450.9	2461.3	2492.6	2517.0	2499.6	2464.8	2475.2
50°	2252.4	2255.9	2252.4	2266.4	2266.4	2304.7	2329.0	2353.4	2370.8	2329.0	2280.2
52.5°	2078.3	2074.9	2078.3	2088.8	2102.7	2120.1	2161.9	2186.3	2214.1	2189.8	2113.2
55°	1904.2	1911.3	1904.2	1907.8	1914.7	1925.1	1987.9	2012.2	2064.4	2033.1	1953.0
57.5°	1730.3	1719.8	1730.3	1737.2	1740.7	1751.1	1803.3	1848.6	1879.9	1883.4	1785.9
60°	1528.3	1514.4	1528.3	1559.6	1566.6	1573.6	1622.3	1664.1	1692.0	1702.4	1601.4
62.5°	1350.7	1326.4	1350.7	1371.6	1385.6	1403.0	1437.8	1500.5	1524.8	1528.3	1385.6
65°	1162.8	1152.3	1162.8	1204.5	1208.0	1228.9	1267.2	1312.4	1364.7	1357.7	1152.3
67.5°	992.2	992.2	992.2	1020.1	1040.9	1051.3	1100.1	1121.0	1187.1	1194.1	960.9
70°	835.5	832.0	835.5	856.4	870.3	894.7	940.0	964.3	1016.5	1033.9	779.8
72.5°	685.9	682.4	685.9	703.3	717.1	738.0	776.3	804.2	849.4	870.3	605.8
75°	553.5	546.6	553.5	567.5	564.0	591.8	623.2	651.0	692.8	706.7	449.1
77.5°	424.7	424.7	424.7	438.6	438.6	466.5	480.4	515.2	539.6	560.5	330.8
80°	316.8	313.3	316.8	320.3	320.3	334.2	358.6	382.9	403.8	403.8	226.3
82.5°	222.8	215.8	222.8	222.8	222.8	229.8	243.7	250.7	264.5	275.0	142.7
85°	139.2	139.2	139.2	142.7	139.2	146.2	149.7	156.7	156.7	149.7	87.0
87.5°	90.6	87.0	90.6	87.0	87.0	83.5	83.5	83.5	80.1	76.6	48.7
90°	41.6	41.6	41.6	41.6	41.6	55.5	74.0	83.3	71.6	48.2	30.7
92.5°	166.8	133.7	166.8	200.0	208.2	295.2	411.1	469.1	411.8	297.4	211.5
95°	581.4	481.1	581.4	681.7	706.9	928.3	1223.5	1371.0	1158.0	731.7	412.1
97.5°	1393.2	1202.3	1393.2	1584.2	1631.9	1771.8	1958.3	2051.6	1696.3	985.6	452.7
100°	2007.4	1779.9	2007.4	2234.8	2291.7	2281.5	2267.9	2261.0	1866.7	1078.0	486.6
102.5°	2611.5	2416.6	2611.5	2806.3	2855.0	2676.7	2439.0	2320.2	1920.3	1120.4	520.6
105°	3381.6	3276.9	3381.6	3486.4	3512.6	3113.0	2580.1	2313.6	1926.4	1151.9	571.0
107.5°	3886.2	3911.5	3886.2	3860.8	3854.5	3297.1	2553.7	2182.1	1840.6	1157.7	645.6
110°	4078.6	4187.7	4078.6	3969.5	3942.2	3318.9	2488.0	2072.4	1764.6	1148.9	687.2

TEST NUMBER: P935253

CATALOG NUMBER: SQ4-FA-100U-100D-93050-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	4095.8	4263.4	4095.8	3928.2	3886.3	3248.5	2398.0	1972.8	1698.3	1149.3	737.6
115°	3987.1	4219.4	3987.1	3754.7	3696.7	3082.2	2262.9	1853.3	1622.1	1159.9	813.2
117.5°	3756.8	4014.5	3756.8	3499.2	3434.8	2880.2	2140.8	1771.1	1574.5	1181.5	886.6
120°	3571.3	3821.7	3571.3	3320.9	3258.3	2751.6	2076.0	1738.2	1558.5	1199.1	929.4
122.5°	3390.5	3637.5	3390.5	3143.6	3081.9	2625.6	2017.2	1713.0	1550.1	1224.3	979.8
125°	3132.7	3360.2	3132.7	2905.2	2848.4	2460.8	1944.0	1685.6	1543.2	1258.2	1044.5
127.5°	2900.9	3092.8	2900.9	2708.9	2661.0	2328.2	1884.5	1662.6	1539.1	1292.2	1106.9
130°	2764.3	2941.6	2764.3	2587.0	2542.7	2246.4	1851.4	1653.8	1541.6	1317.0	1148.6
132.5°	2640.3	2799.1	2640.3	2481.6	2441.9	2176.6	1822.9	1646.1	1543.1	1337.0	1182.5
135°	2470.4	2607.3	2470.4	2333.6	2299.3	2077.2	1781.1	1633.0	1541.7	1359.0	1222.0
137.5°	2334.2	2446.2	2334.2	2222.2	2194.2	2006.4	1756.0	1630.8	1551.2	1391.8	1272.4
140°	2240.7	2345.4	2240.7	2135.9	2109.8	1947.5	1731.2	1623.1	1552.7	1412.0	1306.4
142.5°	2163.2	2253.3	2163.2	2073.1	2050.6	1908.1	1718.1	1623.1	1558.3	1428.7	1331.6
145°	2047.1	2115.2	2047.1	1978.8	1961.8	1845.2	1689.9	1612.2	1558.4	1450.7	1370.0
147.5°	1957.9	2014.4	1957.9	1901.4	1887.3	1795.6	1673.3	1612.2	1569.1	1482.8	1418.2
150°	1901.8	1947.5	1901.8	1855.9	1844.5	1767.1	1663.9	1612.2	1574.7	1499.7	1443.4
152.5°	1853.7	1888.3	1853.7	1819.1	1810.5	1744.4	1656.3	1612.2	1578.3	1510.6	1459.8
155°	1798.6	1821.5	1798.6	1775.7	1770.0	1717.3	1647.3	1612.2	1586.4	1534.7	1496.0
157.5°	1755.0	1771.1	1755.0	1738.9	1734.9	1694.0	1639.4	1612.2	1594.5	1558.9	1532.2
160°	1728.9	1738.2	1728.9	1719.6	1717.3	1682.3	1635.6	1612.2	1598.1	1569.8	1548.6
162.5°	1711.9	1720.7	1711.9	1703.1	1700.9	1671.3	1631.9	1612.2	1601.9	1581.5	1566.1
165°	1687.3	1696.5	1687.3	1678.0	1675.7	1654.5	1626.3	1612.2	1607.6	1598.2	1591.3
167.5°	1669.7	1673.5	1669.7	1665.8	1664.8	1650.9	1632.4	1623.1	1619.2	1611.4	1605.6
170°	1664.8	1664.8	1664.8	1664.8	1664.8	1650.9	1632.4	1623.1	1622.8	1622.4	1622.0
172.5°	1651.7	1648.3	1651.7	1655.2	1656.0	1645.1	1630.4	1623.1	1623.1	1623.1	1623.1
175°	1643.9	1643.9	1643.9	1643.9	1643.9	1637.0	1627.8	1623.1	1625.3	1629.7	1633.0
177.5°	1636.9	1633.0	1636.9	1640.8	1641.7	1636.3	1629.0	1625.3	1627.1	1630.5	1633.0
180°	1633.0	1633.0	1633.0	1633.0	1633.0	1633.0	1633.0	1633.0	1633.0	1633.0	1633.0

TEST NUMBER: P935253

CATALOG NUMBER: SQ4-FA-100U-100D-93050-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	3679.7	3679.7	3679.7	3679.7	3679.7	3679.7	3679.7	3679.7	3679.7	3679.7	3679.7
2.5°	3732.0	3711.1	3711.1	3676.3	3662.3	3651.9	3634.5	3582.3	3568.4	3554.4	3575.3
5°	3763.3	3725.1	3697.2	3634.5	3582.3	3561.4	3495.3	3370.0	3286.3	3223.7	3188.9
7.5°	3770.3	3721.5	3669.3	3571.9	3446.5	3390.9	3188.9	2959.2	2896.5	2840.8	2805.9
10°	3763.3	3707.7	3634.5	3488.3	3192.4	3094.9	2892.9	2743.3	2705.0	2694.5	2705.0
12.5°	3738.9	3686.8	3585.8	3342.1	2927.8	2861.7	2743.3	2656.2	2649.3	2666.7	2760.7
15°	3697.2	3648.5	3530.1	3147.1	2781.6	2732.8	2649.3	2618.0	2656.2	2778.1	3060.1
17.5°	3655.4	3599.7	3453.5	2955.7	2670.2	2635.3	2576.1	2638.9	2854.7	3018.3	3112.3
20°	3599.7	3533.6	3366.4	2816.4	2590.1	2558.8	2530.9	2812.9	2976.6	3035.8	3087.9
22.5°	3533.6	3463.9	3248.0	2719.0	2506.6	2482.2	2499.6	2910.4	2976.6	3018.3	3063.6
25°	3446.5	3387.3	3108.8	2642.4	2440.4	2412.6	2478.7	2900.0	2938.3	2948.7	3039.2
27.5°	3366.4	3289.9	2962.6	2572.7	2360.3	2349.9	2496.1	2854.7	2882.6	2892.9	2990.4
30°	3268.9	3154.1	2799.0	2499.6	2276.8	2273.3	2499.6	2799.0	2792.0	2819.9	2917.4
32.5°	3168.0	2952.1	2614.4	2409.1	2196.7	2193.2	2475.2	2715.4	2708.5	2746.8	2819.9
35°	3074.1	2795.5	2363.9	2304.7	2095.8	2099.2	2416.0	2618.0	2621.5	2656.2	2701.5
37.5°	2976.6	2659.8	2088.8	2189.8	1998.3	1998.3	2335.9	2527.5	2520.5	2530.9	2593.6
40°	2861.7	2447.4	1845.1	2040.0	1907.8	1897.3	2238.5	2430.0	2405.6	2402.2	2489.2
42.5°	2739.8	2214.1	1664.1	1841.6	1803.3	1789.4	2120.1	2311.6	2266.4	2276.8	2388.2
45°	2607.5	2151.5	1524.8	1556.2	1695.4	1684.9	1991.3	2175.8	2144.5	2172.4	2287.3
47.5°	2475.2	2026.2	1479.6	1291.5	1580.5	1577.1	1848.6	2043.5	2026.2	2054.0	2175.8
50°	2294.2	1886.9	1476.1	1107.1	1451.7	1465.6	1678.0	1914.7	1914.7	1939.1	2067.9
52.5°	2060.9	1716.3	1340.3	1002.6	1302.0	1343.8	1528.3	1803.3	1810.3	1834.7	1949.6
55°	1848.6	1538.8	1242.8	922.6	1124.5	1215.0	1382.1	1688.4	1702.4	1726.7	1831.2
57.5°	1653.7	1281.1	1222.0	828.6	960.9	1047.9	1253.2	1577.1	1584.0	1604.9	1705.8
60°	1444.7	926.0	1121.0	727.6	818.1	884.3	1134.9	1444.7	1469.1	1483.0	1570.1
62.5°	1208.0	671.9	1016.5	657.9	748.5	762.5	1037.4	1319.4	1350.7	1361.2	1413.4
65°	859.9	564.0	863.4	598.8	675.4	678.8	933.0	1190.6	1218.5	1235.9	1274.2
67.5°	581.3	459.5	657.9	543.1	619.6	623.2	832.0	1040.9	1079.2	1093.1	1117.6
70°	403.8	306.4	487.4	483.9	557.0	564.0	724.2	905.2	940.0	950.4	964.3
72.5°	295.9	247.2	403.8	435.2	490.9	497.8	612.7	752.0	786.8	797.2	804.2
75°	226.3	261.1	327.3	379.4	417.7	421.2	501.3	612.7	637.1	644.1	647.5
77.5°	181.0	243.7	240.2	306.4	341.1	334.2	393.4	473.5	494.3	494.3	494.3
80°	135.8	191.5	181.0	219.3	250.7	243.7	282.0	337.7	344.6	351.6	348.2
82.5°	100.9	121.8	121.8	139.2	167.1	160.1	188.0	219.3	219.3	219.3	226.3
85°	62.6	69.6	55.7	73.1	94.0	90.6	104.4	118.4	121.8	121.8	114.9
87.5°	38.3	31.4	17.4	27.8	41.8	41.8	48.7	52.3	48.7	48.7	48.7
90°	28.5	19.8	11.0	19.8	28.5	30.7	48.2	71.6	83.3	74.0	55.5
92.5°	192.9	118.3	43.8	118.3	192.9	211.5	297.4	411.8	469.1	411.1	295.2
95°	378.0	241.6	105.2	241.6	378.0	412.1	731.7	1158.0	1371.0	1223.5	928.3
97.5°	422.6	302.2	181.9	302.2	422.6	452.7	985.6	1696.3	2051.6	1958.3	1771.8
100°	459.3	350.2	241.1	350.2	459.3	486.6	1078.0	1866.7	2261.0	2267.9	2281.5
102.5°	495.1	393.3	291.5	393.3	495.1	520.6	1120.4	1920.3	2320.2	2439.0	2676.7
105°	549.5	463.2	377.1	463.2	549.5	571.0	1151.9	1926.4	2313.6	2580.1	3113.0
107.5°	625.4	545.1	464.7	545.1	625.4	645.6	1157.7	1840.6	2182.1	2553.7	3297.1
110°	669.0	596.5	523.9	596.5	669.0	687.2	1148.9	1764.6	2072.4	2488.0	3318.9

TEST NUMBER: P935253

CATALOG NUMBER: SQ4-FA-100U-100D-93050-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	720.3	651.2	582.0	651.2	720.3	737.6	1149.3	1698.3	1972.8	2398.0	3248.5
115°	797.2	733.5	669.6	733.5	797.2	813.2	1159.9	1622.1	1853.3	2262.9	3082.2
117.5°	872.2	814.2	756.2	814.2	872.2	886.6	1181.5	1574.5	1771.1	2140.8	2880.2
120°	915.8	861.2	806.6	861.2	915.8	929.4	1199.1	1558.5	1738.2	2076.0	2751.6
122.5°	966.0	911.1	856.0	911.1	966.0	979.8	1224.3	1550.1	1713.0	2017.2	2625.6
125°	1031.9	981.8	931.6	981.8	1031.9	1044.5	1258.2	1543.2	1685.6	1944.0	2460.8
127.5°	1094.3	1043.6	992.9	1043.6	1094.3	1106.9	1292.2	1539.1	1662.6	1884.5	2328.2
130°	1134.9	1080.4	1025.9	1080.4	1134.9	1148.6	1317.0	1541.6	1653.8	1851.4	2246.4
132.5°	1168.9	1114.4	1059.8	1114.4	1168.9	1182.5	1337.0	1543.1	1646.1	1822.9	2176.6
135°	1209.6	1159.9	1110.3	1159.9	1209.6	1222.0	1359.0	1541.7	1633.0	1781.1	2077.2
137.5°	1260.1	1210.9	1161.7	1210.9	1260.1	1272.4	1391.8	1551.2	1630.8	1756.0	2006.4
140°	1295.1	1249.8	1204.5	1249.8	1295.1	1306.4	1412.0	1552.7	1623.1	1731.2	1947.5
142.5°	1321.1	1279.2	1237.4	1279.2	1321.1	1331.6	1428.7	1558.3	1623.1	1718.1	1908.1
145°	1360.8	1324.3	1287.8	1324.3	1360.8	1370.0	1450.7	1558.4	1612.2	1689.9	1845.2
147.5°	1409.3	1373.8	1338.2	1373.8	1409.3	1418.2	1482.8	1569.1	1612.2	1673.3	1795.6
150°	1435.3	1403.2	1371.0	1403.2	1435.3	1443.4	1499.7	1574.7	1612.2	1663.9	1767.1
152.5°	1453.8	1429.3	1405.0	1429.3	1453.8	1459.8	1510.6	1578.3	1612.2	1656.3	1744.4
155°	1491.5	1473.4	1455.4	1473.4	1491.5	1496.0	1534.7	1586.4	1612.2	1647.3	1717.3
157.5°	1527.8	1510.2	1492.7	1510.2	1527.8	1532.2	1558.9	1594.5	1612.2	1639.4	1694.0
160°	1545.2	1531.6	1517.9	1531.6	1545.2	1548.6	1569.8	1598.1	1612.2	1635.6	1682.3
162.5°	1563.6	1553.3	1543.1	1553.3	1563.6	1566.1	1581.5	1601.9	1612.2	1631.9	1671.3
165°	1589.0	1579.7	1570.5	1579.7	1589.0	1591.3	1598.2	1607.6	1612.2	1626.3	1654.5
167.5°	1604.5	1600.1	1595.7	1600.1	1604.5	1605.6	1611.4	1619.2	1623.1	1632.4	1650.9
170°	1621.0	1616.6	1612.2	1616.6	1621.0	1622.0	1622.4	1622.8	1623.1	1632.4	1650.9
172.5°	1622.8	1621.9	1620.9	1621.9	1622.8	1623.1	1623.1	1623.1	1623.1	1630.4	1645.1
175°	1633.0	1633.0	1633.0	1633.0	1633.0	1633.0	1629.7	1625.3	1623.1	1627.8	1637.0
177.5°	1633.0	1633.0	1633.0	1633.0	1633.0	1633.0	1630.5	1627.1	1625.3	1629.0	1636.3
180°	1633.0	1633.0	1633.0	1633.0	1633.0	1633.0	1633.0	1633.0	1633.0	1633.0	1633.0

TEST NUMBER: P935253

CATALOG NUMBER: SQ4-FA-100U-100D-93050-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	3679.7	3679.7	3679.7	3679.7	3679.7	3679.7	3679.7	3679.7	3679.7	3679.7	3679.7
2.5°	3551.0	3540.5	3554.4	3516.1	3554.4	3540.5	3551.0	3575.3	3554.4	3568.4	3582.3
5°	3115.8	3098.4	3042.7	2997.5	3042.7	3098.4	3115.8	3188.9	3223.7	3286.3	3370.0
7.5°	2785.1	2771.1	2757.3	2729.3	2757.3	2771.1	2785.1	2805.9	2840.8	2896.5	2959.2
10°	2711.9	2715.4	2736.3	2732.8	2736.3	2715.4	2711.9	2705.0	2694.5	2705.0	2743.3
12.5°	2900.0	2931.2	3046.1	3039.2	3046.1	2931.2	2900.0	2760.7	2666.7	2649.3	2656.2
15°	3115.8	3126.2	3150.6	3154.1	3150.6	3126.2	3115.8	3060.1	2778.1	2656.2	2618.0
17.5°	3136.7	3140.2	3157.6	3157.6	3157.6	3140.2	3136.7	3112.3	3018.3	2854.7	2638.9
20°	3119.3	3126.2	3161.0	3168.0	3161.0	3126.2	3119.3	3087.9	3035.8	2976.6	2812.9
22.5°	3112.3	3126.2	3154.1	3150.6	3154.1	3126.2	3112.3	3063.6	3018.3	2976.6	2910.4
25°	3077.5	3077.5	3081.0	3084.4	3081.0	3077.5	3077.5	3039.2	2948.7	2938.3	2900.0
27.5°	3004.4	3011.3	3032.2	3028.7	3032.2	3011.3	3004.4	2990.4	2892.9	2882.6	2854.7
30°	2938.3	2931.2	2913.9	2900.0	2913.9	2931.2	2938.3	2917.4	2819.9	2792.0	2799.0
32.5°	2826.8	2809.4	2792.0	2781.6	2792.0	2809.4	2826.8	2819.9	2746.8	2708.5	2715.4
35°	2694.5	2698.1	2694.5	2684.1	2694.5	2698.1	2694.5	2701.5	2656.2	2621.5	2618.0
37.5°	2600.6	2607.5	2604.1	2590.1	2604.1	2607.5	2600.6	2593.6	2530.9	2520.5	2527.5
40°	2503.1	2506.6	2503.1	2492.6	2503.1	2506.6	2503.1	2489.2	2402.2	2405.6	2430.0
42.5°	2409.1	2405.6	2395.1	2388.2	2395.1	2405.6	2409.1	2388.2	2276.8	2266.4	2311.6
45°	2301.1	2304.7	2283.8	2273.3	2283.8	2304.7	2301.1	2287.3	2172.4	2144.5	2175.8
47.5°	2193.2	2193.2	2175.8	2165.4	2175.8	2193.2	2193.2	2175.8	2054.0	2026.2	2043.5
50°	2078.3	2074.9	2050.5	2047.1	2050.5	2074.9	2078.3	2067.9	1939.1	1914.7	1914.7
52.5°	1946.1	1946.1	1949.6	1956.5	1949.6	1946.1	1946.1	1949.6	1834.7	1810.3	1803.3
55°	1831.2	1834.7	1859.0	1866.0	1859.0	1834.7	1831.2	1831.2	1726.7	1702.4	1688.4
57.5°	1712.8	1712.8	1730.3	1730.3	1730.3	1712.8	1712.8	1705.8	1604.9	1584.0	1577.1
60°	1577.1	1584.0	1597.9	1594.5	1597.9	1584.0	1577.1	1570.1	1483.0	1469.1	1444.7
62.5°	1434.3	1441.3	1444.7	1437.8	1444.7	1441.3	1434.3	1413.4	1361.2	1350.7	1319.4
65°	1284.6	1291.5	1295.1	1288.1	1295.1	1291.5	1284.6	1274.2	1235.9	1218.5	1190.6
67.5°	1131.4	1127.9	1124.5	1138.4	1124.5	1127.9	1131.4	1117.6	1093.1	1079.2	1040.9
70°	974.7	974.7	971.3	978.3	971.3	974.7	974.7	964.3	950.4	940.0	905.2
72.5°	807.7	804.2	818.1	807.7	818.1	804.2	807.7	804.2	797.2	786.8	752.0
75°	644.1	651.0	644.1	654.5	644.1	651.0	644.1	647.5	644.1	637.1	612.7
77.5°	490.9	497.8	490.9	490.9	490.9	497.8	490.9	494.3	494.3	494.3	473.5
80°	348.2	344.6	344.6	341.1	344.6	344.6	348.2	348.2	351.6	344.6	337.7
82.5°	222.8	219.3	219.3	226.3	219.3	219.3	222.8	226.3	219.3	219.3	219.3
85°	121.8	125.3	118.4	118.4	118.4	125.3	121.8	114.9	121.8	121.8	118.4
87.5°	45.2	41.8	41.8	41.8	41.8	41.8	45.2	48.7	48.7	48.7	52.3
90°	41.6	41.6	41.6	41.6	41.6	41.6	41.6	55.5	74.0	83.3	71.6
92.5°	208.2	200.0	166.8	133.7	166.8	200.0	208.2	295.2	411.1	469.1	411.8
95°	706.9	681.7	581.4	481.1	581.4	681.7	706.9	928.3	1223.5	1371.0	1158.0
97.5°	1631.9	1584.2	1393.2	1202.3	1393.2	1584.2	1631.9	1771.8	1958.3	2051.6	1696.3
100°	2291.7	2234.8	2007.4	1779.9	2007.4	2234.8	2291.7	2281.5	2267.9	2261.0	1866.7
102.5°	2855.0	2806.3	2611.5	2416.6	2611.5	2806.3	2855.0	2676.7	2439.0	2320.2	1920.3
105°	3512.6	3486.4	3381.6	3276.9	3381.6	3486.4	3512.6	3113.0	2580.1	2313.6	1926.4
107.5°	3854.5	3860.8	3886.2	3911.5	3886.2	3860.8	3854.5	3297.1	2553.7	2182.1	1840.6
110°	3942.2	3969.5	4078.6	4187.7	4078.6	3969.5	3942.2	3318.9	2488.0	2072.4	1764.6

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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3886.3	3928.2	4095.8	4263.4	4095.8	3928.2	3886.3	3248.5	2398.0	1972.8	1698.3
115°	3696.7	3754.7	3987.1	4219.4	3987.1	3754.7	3696.7	3082.2	2262.9	1853.3	1622.1
117.5°	3434.8	3499.2	3756.8	4014.5	3756.8	3499.2	3434.8	2880.2	2140.8	1771.1	1574.5
120°	3258.3	3320.9	3571.3	3821.7	3571.3	3320.9	3258.3	2751.6	2076.0	1738.2	1558.5
122.5°	3081.9	3143.6	3390.5	3637.5	3390.5	3143.6	3081.9	2625.6	2017.2	1713.0	1550.1
125°	2848.4	2905.2	3132.7	3360.2	3132.7	2905.2	2848.4	2460.8	1944.0	1685.6	1543.2
127.5°	2661.0	2708.9	2900.9	3092.8	2900.9	2708.9	2661.0	2328.2	1884.5	1662.6	1539.1
130°	2542.7	2587.0	2764.3	2941.6	2764.3	2587.0	2542.7	2246.4	1851.4	1653.8	1541.6
132.5°	2441.9	2481.6	2640.3	2799.1	2640.3	2481.6	2441.9	2176.6	1822.9	1646.1	1543.1
135°	2299.3	2333.6	2470.4	2607.3	2470.4	2333.6	2299.3	2077.2	1781.1	1633.0	1541.7
137.5°	2194.2	2222.2	2334.2	2446.2	2334.2	2222.2	2194.2	2006.4	1756.0	1630.8	1551.2
140°	2109.8	2135.9	2240.7	2345.4	2240.7	2135.9	2109.8	1947.5	1731.2	1623.1	1552.7
142.5°	2050.6	2073.1	2163.2	2253.3	2163.2	2073.1	2050.6	1908.1	1718.1	1623.1	1558.3
145°	1961.8	1978.8	2047.1	2115.2	2047.1	1978.8	1961.8	1845.2	1689.9	1612.2	1558.4
147.5°	1887.3	1901.4	1957.9	2014.4	1957.9	1901.4	1887.3	1795.6	1673.3	1612.2	1569.1
150°	1844.5	1855.9	1901.8	1947.5	1901.8	1855.9	1844.5	1767.1	1663.9	1612.2	1574.7
152.5°	1810.5	1819.1	1853.7	1888.3	1853.7	1819.1	1810.5	1744.4	1656.3	1612.2	1578.3
155°	1770.0	1775.7	1798.6	1821.5	1798.6	1775.7	1770.0	1717.3	1647.3	1612.2	1586.4
157.5°	1734.9	1738.9	1755.0	1771.1	1755.0	1738.9	1734.9	1694.0	1639.4	1612.2	1594.5
160°	1717.3	1719.6	1728.9	1738.2	1728.9	1719.6	1717.3	1682.3	1635.6	1612.2	1598.1
162.5°	1700.9	1703.1	1711.9	1720.7	1711.9	1703.1	1700.9	1671.3	1631.9	1612.2	1601.9
165°	1675.7	1678.0	1687.3	1696.5	1687.3	1678.0	1675.7	1654.5	1626.3	1612.2	1607.6
167.5°	1664.8	1665.8	1669.7	1673.5	1669.7	1665.8	1664.8	1650.9	1632.4	1623.1	1619.2
170°	1664.8	1664.8	1664.8	1664.8	1664.8	1664.8	1664.8	1650.9	1632.4	1623.1	1622.8
172.5°	1656.0	1655.2	1651.7	1648.3	1651.7	1655.2	1656.0	1645.1	1630.4	1623.1	1623.1
175°	1643.9	1643.9	1643.9	1643.9	1643.9	1643.9	1643.9	1637.0	1627.8	1623.1	1625.3
177.5°	1641.7	1640.8	1636.9	1633.0	1636.9	1640.8	1641.7	1636.3	1629.0	1625.3	1627.1
180°	1633.0	1633.0	1633.0	1633.0	1633.0	1633.0	1633.0	1633.0	1633.0	1633.0	1633.0

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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	3679.7	3679.7	3679.7	3679.7	3679.7
2.5°	3634.5	3651.9	3662.3	3676.3	3711.1
5°	3495.3	3561.4	3582.3	3634.5	3697.2
7.5°	3188.9	3390.9	3446.5	3571.9	3669.3
10°	2892.9	3094.9	3192.4	3488.3	3634.5
12.5°	2743.3	2861.7	2927.8	3342.1	3585.8
15°	2649.3	2732.8	2781.6	3147.1	3530.1
17.5°	2576.1	2635.3	2670.2	2955.7	3453.5
20°	2530.9	2558.8	2590.1	2816.4	3366.4
22.5°	2499.6	2482.2	2506.6	2719.0	3248.0
25°	2478.7	2412.6	2440.4	2642.4	3108.8
27.5°	2496.1	2349.9	2360.3	2572.7	2962.6
30°	2499.6	2273.3	2276.8	2499.6	2799.0
32.5°	2475.2	2193.2	2196.7	2409.1	2614.4
35°	2416.0	2099.2	2095.8	2304.7	2363.9
37.5°	2335.9	1998.3	1998.3	2189.8	2088.8
40°	2238.5	1897.3	1907.8	2040.0	1845.1
42.5°	2120.1	1789.4	1803.3	1841.6	1664.1
45°	1991.3	1684.9	1695.4	1556.2	1524.8
47.5°	1848.6	1577.1	1580.5	1291.5	1479.6
50°	1678.0	1465.6	1451.7	1107.1	1476.1
52.5°	1528.3	1343.8	1302.0	1002.6	1340.3
55°	1382.1	1215.0	1124.5	922.6	1242.8
57.5°	1253.2	1047.9	960.9	828.6	1222.0
60°	1134.9	884.3	818.1	727.6	1121.0
62.5°	1037.4	762.5	748.5	657.9	1016.5
65°	933.0	678.8	675.4	598.8	863.4
67.5°	832.0	623.2	619.6	543.1	657.9
70°	724.2	564.0	557.0	483.9	487.4
72.5°	612.7	497.8	490.9	435.2	403.8
75°	501.3	421.2	417.7	379.4	327.3
77.5°	393.4	334.2	341.1	306.4	240.2
80°	282.0	243.7	250.7	219.3	181.0
82.5°	188.0	160.1	167.1	139.2	121.8
85°	104.4	90.6	94.0	73.1	55.7
87.5°	48.7	41.8	41.8	27.8	17.4
90°	48.2	30.7	28.5	19.8	11.0
92.5°	297.4	211.5	192.9	118.3	43.8
95°	731.7	412.1	378.0	241.6	105.2
97.5°	985.6	452.7	422.6	302.2	181.9
100°	1078.0	486.6	459.3	350.2	241.1
102.5°	1120.4	520.6	495.1	393.3	291.5
105°	1151.9	571.0	549.5	463.2	377.1
107.5°	1157.7	645.6	625.4	545.1	464.7
110°	1148.9	687.2	669.0	596.5	523.9

TEST NUMBER: P935253

CATALOG NUMBER: SQ4-FA-100U-100D-93050-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1149.3	737.6	720.3	651.2	582.0
115°	1159.9	813.2	797.2	733.5	669.6
117.5°	1181.5	886.6	872.2	814.2	756.2
120°	1199.1	929.4	915.8	861.2	806.6
122.5°	1224.3	979.8	966.0	911.1	856.0
125°	1258.2	1044.5	1031.9	981.8	931.6
127.5°	1292.2	1106.9	1094.3	1043.6	992.9
130°	1317.0	1148.6	1134.9	1080.4	1025.9
132.5°	1337.0	1182.5	1168.9	1114.4	1059.8
135°	1359.0	1222.0	1209.6	1159.9	1110.3
137.5°	1391.8	1272.4	1260.1	1210.9	1161.7
140°	1412.0	1306.4	1295.1	1249.8	1204.5
142.5°	1428.7	1331.6	1321.1	1279.2	1237.4
145°	1450.7	1370.0	1360.8	1324.3	1287.8
147.5°	1482.8	1418.2	1409.3	1373.8	1338.2
150°	1499.7	1443.4	1435.3	1403.2	1371.0
152.5°	1510.6	1459.8	1453.8	1429.3	1405.0
155°	1534.7	1496.0	1491.5	1473.4	1455.4
157.5°	1558.9	1532.2	1527.8	1510.2	1492.7
160°	1569.8	1548.6	1545.2	1531.6	1517.9
162.5°	1581.5	1566.1	1563.6	1553.3	1543.1
165°	1598.2	1591.3	1589.0	1579.7	1570.5
167.5°	1611.4	1605.6	1604.5	1600.1	1595.7
170°	1622.4	1622.0	1621.0	1616.6	1612.2
172.5°	1623.1	1623.1	1622.8	1621.9	1620.9
175°	1629.7	1633.0	1633.0	1633.0	1633.0
177.5°	1630.5	1633.0	1633.0	1633.0	1633.0
180°	1633.0	1633.0	1633.0	1633.0	1633.0

TEST NUMBER: P935253

CATALOG NUMBER: SQ4-FA-100U-100D-93050-1D-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	13.02	13.86	14.00	14.85	16.16	15.87	16.71	16.85	17.70	19.01
	3H	13.49	14.24	14.48	15.25	16.58	17.22	17.97	18.21	18.97	20.30
	4H	13.68	14.39	14.69	15.40	16.74	17.67	18.38	18.67	19.38	20.72
	6H	13.80	14.46	14.81	15.47	16.82	17.96	18.61	18.97	19.62	20.97
	8H	13.80	14.42	14.82	15.45	16.80	18.03	18.66	19.05	19.68	21.03
	12H	13.77	14.36	14.80	15.38	16.75	18.07	18.67	19.10	19.69	21.06
4H	2H	14.05	14.76	15.06	15.77	17.11	16.27	16.99	17.28	17.99	19.33
	3H	15.08	15.67	16.10	16.70	18.06	17.79	18.38	18.80	19.41	20.76
	4H	15.35	15.90	16.38	16.92	18.29	18.32	18.86	19.34	19.88	21.26
	6H	15.48	15.94	16.51	16.99	18.36	18.69	19.15	19.72	20.20	21.57
	8H	15.48	15.92	16.52	16.96	18.34	18.80	19.23	19.83	20.27	21.66
	12H	15.45	15.84	16.50	16.90	18.29	18.85	19.25	19.91	20.30	21.70
8H	4H	15.81	16.24	16.85	17.29	18.67	18.44	18.87	19.48	19.92	21.30
	6H	16.07	16.43	17.13	17.51	18.90	18.88	19.24	19.94	20.32	21.71
	8H	16.11	16.43	17.18	17.50	18.90	19.03	19.35	20.10	20.42	21.82
	12H	16.09	16.37	17.17	17.44	18.88	19.14	19.41	20.21	20.48	21.92
12H	4H	15.81	16.21	16.87	17.26	18.65	18.40	18.80	19.46	19.85	21.24
	6H	16.13	16.45	17.20	17.52	18.92	18.88	19.19	19.95	20.26	21.66
	8H	16.20	16.47	17.27	17.54	18.98	19.04	19.32	20.11	20.38	21.83

END OF REPORT

FIELD PERFORMANCE MAY DIFFER FROM LABORATORY PERFORMANCE

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