

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: P935229

Luminaire Tested: SQ4-FA-100U-100D-92765-1D-UNV-STD-W-12-5000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935229
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-12-5000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

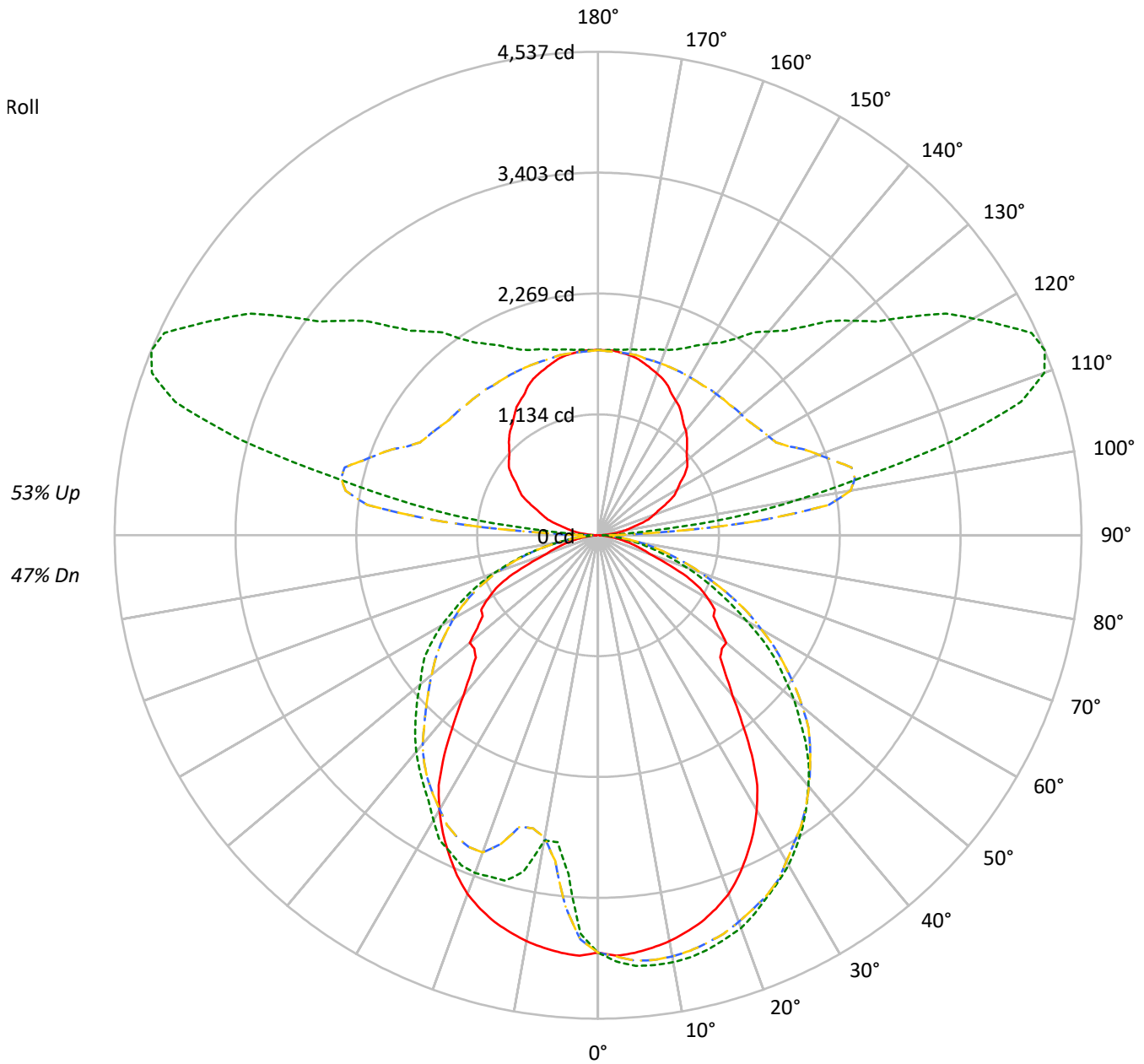
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21426.3 lumens
Efficiency: N/A
Efficacy: 123.1 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-12-5000K

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°	12112	12112	12112	12112
5°	12208	12227	12208	9615
10°	12130	12044	12130	8611
15°	12003	11783	12003	9839
20°	11757	11474	11757	9860
25°	11248	11024	11248	9651
30°	10588	10649	10588	9193
35°	9444	10176	9444	8688
40°	7873	9618	7873	8307
45°	7039	8966	7039	7869
50°	7485	8188	7485	7430
55°	7048	7349	7048	7175
60°	7275	6242	7275	6572
65°	6606	5160	6606	5768
70°	4586	4112	4586	4835
75°	4037	3040	4037	3640
80°	3276	2009	3276	2188
85°	1921	1064	1921	905

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 10783 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	353.5	1.6
10°-20°	1003.7	4.7
20°-30°	1551.5	7.2
30°-40°	1852.1	8.6
40°-50°	1863.0	8.7
50°-60°	1621.0	7.6
60°-70°	1149.3	5.4
70°-80°	608.1	2.8
80°-90°	158.1	0.7
90°-100°	847.1	4.0
100°-110°	2227.2	10.4
110°-120°	2309.3	10.8
120°-130°	1852.4	8.6
130°-140°	1453.4	6.8
140°-150°	1115.6	5.2
150°-160°	803.4	3.7
160°-170°	491.6	2.3
170°-180°	166.1	0.8
0°-30°	2908.7	13.6
0°-40°	4760.8	22.2
0°-60°	8244.9	38.5
0°-90°	10160.3	47.4
90°-120°	5383.6	25.1
90°-150°	9804.9	45.8
90°-180°	11266.0	52.6
0°-180°	21426.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3916	3916	3916	3916	3916	
5°	3935	4057	3935	3190	3935	373
15°	3757	4020	3757	3357	3757	1057
25°	3308	3749	3308	3282	3308	1519
35°	2516	3346	2516	2856	2516	1556
45°	1623	2756	1623	2419	1623	1300
55°	1323	2034	1323	1986	1323	1215
65°	919	1226	919	1371	919	878
75°	348	582	348	696	348	366
85°	59	148	59	126	59	80
90°	12	44	12	44	12	12
95°	112	512	112	512	112	124
105°	401	3487	401	3487	401	425
115°	713	4490	713	4490	713	704
125°	991	3576	991	3576	991	880
135°	1182	2775	1182	2775	1182	914
145°	1370	2251	1370	2251	1370	859
155°	1549	1938	1549	1938	1549	712
165°	1671	1806	1671	1806	1671	472
175°	1738	1750	1738	1750	1738	165
180°	1738	1738	1738	1738	1738	



TEST NUMBER: P935229

CATALOG NUMBER: SQ4-FA-100U-100D-92765-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	3916.0	3916.0	3916.0	3916.0	3916.0	3916.0	3916.0	3916.0	3916.0	3916.0	3916.0
2.5°	3949.4	3949.4	3971.7	3979.0	3979.0	3967.9	3956.8	3967.9	4001.3	4012.4	4008.7
5°	3934.6	3964.3	4005.0	4012.4	4019.8	4016.2	4008.7	4016.2	4053.2	4060.5	4064.3
7.5°	3904.9	3960.5	4012.4	4023.5	4034.7	4023.5	4019.8	4027.3	4064.3	4071.7	4071.7
10°	3867.9	3945.8	4005.0	4012.4	4023.5	4012.4	4012.4	4027.3	4064.3	4071.7	4075.4
12.5°	3816.0	3923.5	3979.0	3986.5	4001.3	3997.6	3993.9	4008.7	4045.8	4053.2	4053.2
15°	3756.8	3882.8	3934.6	3942.0	3967.9	3960.5	3960.5	3975.4	4016.2	4027.3	4023.5
17.5°	3675.3	3830.9	3890.2	3901.3	3919.8	3916.0	3919.8	3934.6	3971.7	3979.0	3982.8
20°	3582.6	3760.5	3830.9	3842.0	3860.5	3860.5	3860.5	3879.0	3916.0	3930.9	3930.9
22.5°	3456.6	3686.4	3760.5	3767.9	3790.1	3790.1	3797.5	3823.4	3856.8	3860.5	3860.5
25°	3308.5	3604.9	3667.9	3690.1	3712.3	3723.4	3734.5	3749.4	3760.5	3756.8	3760.5
27.5°	3152.9	3501.1	3582.6	3597.5	3627.1	3638.2	3653.0	3656.8	3660.4	3671.5	3664.1
30°	2978.7	3356.6	3478.9	3493.7	3541.9	3549.3	3534.5	3541.9	3560.4	3567.9	3575.3
32.5°	2782.3	3141.7	3371.5	3404.8	3449.3	3427.0	3423.4	3434.5	3464.1	3464.1	3471.5
35°	2515.7	2975.1	3271.5	3301.1	3334.4	3308.5	3323.3	3327.0	3345.5	3356.6	3353.0
37.5°	2222.9	2830.6	3167.7	3190.0	3215.9	3182.5	3204.7	3215.9	3230.7	3223.2	3223.2
40°	1963.6	2604.6	3045.5	3060.2	3082.5	3056.6	3078.7	3086.2	3093.6	3086.2	3082.5
42.5°	1771.0	2356.3	2915.7	2934.3	2919.5	2938.0	2945.4	2960.2	2949.1	2934.3	2934.3
45°	1622.7	2289.7	2775.0	2797.2	2775.0	2804.6	2815.7	2815.7	2782.3	2775.0	2771.3
47.5°	1574.6	2156.3	2634.2	2634.2	2623.1	2660.1	2678.7	2652.7	2619.3	2608.3	2608.3
50°	1570.9	2008.0	2441.5	2426.7	2478.6	2523.1	2504.5	2478.6	2452.7	2411.9	2411.9
52.5°	1426.4	1826.5	2193.3	2248.9	2330.4	2356.3	2326.7	2300.8	2256.3	2237.8	2222.9
55°	1322.6	1637.6	1967.3	2078.4	2163.7	2197.0	2141.4	2115.5	2048.8	2037.7	2030.3
57.5°	1300.5	1363.4	1759.9	1900.6	2004.4	2000.6	1967.3	1919.1	1863.5	1852.5	1848.8
60°	1193.0	985.5	1537.5	1704.2	1811.7	1800.6	1771.0	1726.5	1674.6	1667.2	1659.8
62.5°	1081.8	715.1	1285.6	1474.6	1626.5	1622.7	1596.9	1530.1	1493.1	1474.6	1459.7
65°	918.8	600.2	915.1	1226.3	1444.9	1452.3	1396.7	1348.6	1307.8	1285.6	1281.9
67.5°	700.2	489.0	618.7	1022.6	1270.8	1263.3	1193.0	1170.7	1118.8	1107.7	1085.6
70°	518.7	326.0	429.8	829.9	1100.3	1081.8	1026.2	1000.3	952.2	926.2	911.4
72.5°	429.8	263.0	314.9	644.7	926.2	904.0	855.8	826.2	785.4	763.2	748.4
75°	348.3	277.9	240.8	477.9	752.1	737.3	692.8	663.2	629.8	600.2	603.9
77.5°	255.6	259.4	192.6	352.0	596.5	574.3	548.3	511.3	496.4	466.8	466.8
80°	192.6	203.8	144.5	240.8	429.8	429.8	407.5	381.6	355.7	340.9	340.9
82.5°	129.6	129.6	107.4	151.9	292.7	281.5	266.8	259.4	244.5	237.1	237.1
85°	59.3	74.1	66.6	92.6	159.3	166.8	166.8	159.3	155.6	148.2	151.9
87.5°	18.5	33.4	40.8	51.9	81.5	85.2	88.9	88.9	88.9	92.6	92.6
90°	11.7	21.0	30.3	32.6	51.3	76.2	88.6	78.8	59.1	44.3	44.3
92.5°	46.6	125.9	205.3	225.1	316.5	438.3	499.2	437.5	314.2	221.6	212.8
95°	112.0	257.1	402.3	438.6	778.7	1232.3	1459.1	1302.0	987.9	752.3	725.5
97.5°	193.6	321.6	449.7	481.7	1048.9	1805.2	2183.4	2084.1	1885.6	1736.7	1685.9
100°	256.6	372.7	488.8	517.8	1147.3	1986.5	2406.2	2413.5	2428.0	2438.8	2378.4
102.5°	310.2	418.6	526.9	554.0	1192.4	2043.6	2469.2	2595.7	2848.6	3038.4	2986.5
105°	401.3	493.0	584.8	607.7	1225.9	2050.1	2462.2	2745.8	3312.9	3738.2	3710.3
107.5°	494.6	580.1	665.6	687.0	1232.0	1958.8	2322.2	2717.8	3508.8	4102.1	4108.8
110°	557.6	634.8	712.0	731.3	1222.7	1877.9	2205.5	2647.7	3532.1	4195.3	4224.4



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	619.3	693.0	766.6	785.0	1223.2	1807.3	2099.4	2552.0	3457.1	4135.9	4180.5
115°	712.6	780.6	848.4	865.4	1234.4	1726.3	1972.3	2408.3	3280.2	3934.1	3995.9
117.5°	804.8	866.5	928.2	943.6	1257.4	1675.6	1884.8	2278.3	3065.2	3655.4	3723.9
120°	858.4	916.5	974.6	989.1	1276.1	1658.6	1849.9	2209.4	2928.3	3467.6	3534.2
122.5°	911.0	969.6	1028.1	1042.8	1302.9	1649.7	1823.1	2146.7	2794.2	3279.8	3345.5
125°	991.4	1044.8	1098.2	1111.6	1339.0	1642.3	1793.9	2068.9	2618.9	3031.3	3091.8
127.5°	1056.7	1110.6	1164.6	1178.0	1375.1	1638.0	1769.4	2005.5	2477.7	2831.9	2882.9
130°	1091.7	1149.8	1207.8	1222.3	1401.6	1640.6	1760.1	1970.3	2390.7	2706.0	2753.2
132.5°	1127.9	1186.0	1244.0	1258.5	1422.9	1642.2	1751.8	1940.0	2316.4	2598.7	2640.9
135°	1181.6	1234.4	1287.3	1300.5	1446.3	1640.7	1737.9	1895.5	2210.6	2447.0	2483.4
137.5°	1236.3	1288.7	1341.0	1354.1	1481.2	1650.8	1735.6	1868.8	2135.2	2335.1	2364.9
140°	1281.9	1330.1	1378.2	1390.3	1502.6	1652.5	1727.3	1842.4	2072.6	2245.3	2273.1
142.5°	1316.8	1361.4	1406.0	1417.1	1520.5	1658.4	1727.3	1828.5	2030.6	2182.3	2206.2
145°	1370.5	1409.3	1448.2	1458.0	1543.9	1658.4	1715.7	1798.4	1963.7	2087.8	2105.9
147.5°	1424.1	1462.0	1499.8	1509.3	1578.1	1669.9	1715.7	1780.8	1910.9	2008.5	2023.5
150°	1459.1	1493.3	1527.5	1536.1	1596.0	1675.8	1715.7	1770.7	1880.5	1963.0	1975.1
152.5°	1495.2	1521.1	1547.1	1553.6	1607.6	1679.7	1715.7	1762.7	1856.4	1926.8	1936.0
155°	1548.9	1568.1	1587.3	1592.1	1633.3	1688.3	1715.7	1753.0	1827.6	1883.6	1889.7
157.5°	1588.5	1607.2	1625.9	1630.6	1659.0	1696.9	1715.7	1744.7	1802.8	1846.3	1850.6
160°	1615.4	1629.9	1644.4	1648.1	1670.6	1700.7	1715.7	1740.6	1790.3	1827.6	1830.1
162.5°	1642.2	1653.0	1664.0	1666.7	1683.0	1704.8	1715.7	1736.7	1778.7	1810.2	1812.5
165°	1671.3	1681.2	1691.1	1693.5	1700.9	1710.8	1715.7	1730.8	1760.8	1783.3	1785.8
167.5°	1698.2	1702.8	1707.5	1708.7	1714.9	1723.2	1727.3	1737.2	1757.0	1771.7	1772.8
170°	1715.7	1720.4	1725.1	1726.2	1726.6	1727.1	1727.3	1737.2	1757.0	1771.7	1771.7
172.5°	1725.0	1726.0	1727.1	1727.3	1727.3	1727.3	1727.3	1735.1	1750.7	1762.4	1761.5
175°	1737.9	1737.9	1737.9	1737.9	1734.3	1729.7	1727.3	1732.3	1742.1	1749.5	1749.5
177.5°	1737.9	1737.9	1737.9	1737.9	1735.2	1731.5	1729.7	1733.6	1741.4	1747.2	1746.1
180°	1737.9	1737.9	1737.9	1737.9	1737.9	1737.9	1737.9	1737.9	1737.9	1737.9	1737.9



TEST NUMBER: P935229

CATALOG NUMBER: SQ4-FA-100U-100D-92765-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	3916.0	3916.0	3916.0	3916.0	3916.0	3916.0	3916.0	3916.0	3916.0	3916.0	3916.0
2.5°	4016.2	4005.0	4016.2	4008.7	4012.4	4001.3	3967.9	3956.8	3967.9	3979.0	3979.0
5°	4064.3	4056.9	4064.3	4064.3	4060.5	4053.2	4016.2	4008.7	4016.2	4019.8	4012.4
7.5°	4079.1	4068.0	4079.1	4071.7	4071.7	4064.3	4027.3	4019.8	4023.5	4034.7	4023.5
10°	4079.1	4068.0	4079.1	4075.4	4071.7	4064.3	4027.3	4012.4	4012.4	4023.5	4012.4
12.5°	4060.5	4053.2	4060.5	4053.2	4053.2	4045.8	4008.7	3993.9	3997.6	4001.3	3986.5
15°	4030.9	4019.8	4030.9	4023.5	4027.3	4016.2	3975.4	3960.5	3960.5	3967.9	3942.0
17.5°	3986.5	3971.7	3986.5	3982.8	3979.0	3971.7	3934.6	3919.8	3916.0	3919.8	3901.3
20°	3934.6	3923.5	3934.6	3930.9	3930.9	3916.0	3879.0	3860.5	3860.5	3860.5	3842.0
22.5°	3853.1	3842.0	3853.1	3860.5	3860.5	3856.8	3823.4	3797.5	3790.1	3790.1	3767.9
25°	3760.5	3749.4	3760.5	3760.5	3756.8	3760.5	3749.4	3734.5	3723.4	3712.3	3690.1
27.5°	3671.5	3664.1	3671.5	3664.1	3671.5	3660.4	3656.8	3653.0	3638.2	3627.1	3597.5
30°	3582.6	3575.3	3582.6	3575.3	3567.9	3560.4	3541.9	3534.5	3549.3	3541.9	3493.7
32.5°	3471.5	3464.1	3471.5	3471.5	3464.1	3464.1	3434.5	3423.4	3427.0	3449.3	3404.8
35°	3356.6	3345.5	3356.6	3353.0	3356.6	3345.5	3327.0	3323.3	3308.5	3334.4	3301.1
37.5°	3223.2	3212.1	3223.2	3223.2	3223.2	3230.7	3215.9	3204.7	3182.5	3215.9	3190.0
40°	3086.2	3071.4	3086.2	3082.5	3086.2	3093.6	3086.2	3078.7	3056.6	3082.5	3060.2
42.5°	2930.6	2926.8	2930.6	2934.3	2934.3	2949.1	2960.2	2945.4	2938.0	2919.5	2934.3
45°	2763.8	2756.4	2763.8	2771.3	2775.0	2782.3	2815.7	2815.7	2804.6	2775.0	2797.2
47.5°	2586.1	2567.5	2586.1	2608.3	2608.3	2619.3	2652.7	2678.7	2660.1	2623.1	2634.2
50°	2397.1	2400.8	2397.1	2411.9	2411.9	2452.7	2478.6	2504.5	2523.1	2478.6	2426.7
52.5°	2211.8	2208.1	2211.8	2222.9	2237.8	2256.3	2300.8	2326.7	2356.3	2330.4	2248.9
55°	2026.5	2034.0	2026.5	2030.3	2037.7	2048.8	2115.5	2141.4	2197.0	2163.7	2078.4
57.5°	1841.4	1830.2	1841.4	1848.8	1852.5	1863.5	1919.1	1967.3	2000.6	2004.4	1900.6
60°	1626.5	1611.6	1626.5	1659.8	1667.2	1674.6	1726.5	1771.0	1800.6	1811.7	1704.2
62.5°	1437.5	1411.6	1437.5	1459.7	1474.6	1493.1	1530.1	1596.9	1622.7	1626.5	1474.6
65°	1237.5	1226.3	1237.5	1281.9	1285.6	1307.8	1348.6	1396.7	1452.3	1444.9	1226.3
67.5°	1055.9	1055.9	1055.9	1085.6	1107.7	1118.8	1170.7	1193.0	1263.3	1270.8	1022.6
70°	889.2	885.4	889.2	911.4	926.2	952.2	1000.3	1026.2	1081.8	1100.3	829.9
72.5°	729.9	726.2	729.9	748.4	763.2	785.4	826.2	855.8	904.0	926.2	644.7
75°	589.1	581.7	589.1	603.9	600.2	629.8	663.2	692.8	737.3	752.1	477.9
77.5°	452.0	452.0	452.0	466.8	466.8	496.4	511.3	548.3	574.3	596.5	352.0
80°	337.1	333.4	337.1	340.9	340.9	355.7	381.6	407.5	429.8	429.8	240.8
82.5°	237.1	229.7	237.1	237.1	237.1	244.5	259.4	266.8	281.5	292.7	151.9
85°	148.2	148.2	148.2	151.9	148.2	155.6	159.3	166.8	166.8	159.3	92.6
87.5°	96.4	92.6	96.4	92.6	92.6	88.9	88.9	88.9	85.2	81.5	51.9
90°	44.3	44.3	44.3	44.3	44.3	59.1	78.8	88.6	76.2	51.3	32.6
92.5°	177.5	142.3	177.5	212.8	221.6	314.2	437.5	499.2	438.3	316.5	225.1
95°	618.8	512.0	618.8	725.5	752.3	987.9	1302.0	1459.1	1232.3	778.7	438.6
97.5°	1482.7	1279.5	1482.7	1685.9	1736.7	1885.6	2084.1	2183.4	1805.2	1048.9	481.7
100°	2136.3	1894.2	2136.3	2378.4	2438.8	2428.0	2413.5	2406.2	1986.5	1147.3	517.8
102.5°	2779.2	2571.8	2779.2	2986.5	3038.4	2848.6	2595.7	2469.2	2043.6	1192.4	554.0
105°	3598.8	3487.4	3598.8	3710.3	3738.2	3312.9	2745.8	2462.2	2050.1	1225.9	607.7
107.5°	4135.8	4162.7	4135.8	4108.8	4102.1	3508.8	2717.8	2322.2	1958.8	1232.0	687.0
110°	4340.5	4456.7	4340.5	4224.4	4195.3	3532.1	2647.7	2205.5	1877.9	1222.7	731.3



TEST NUMBER: P935229

CATALOG NUMBER: SQ4-FA-100U-100D-92765-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	4358.8	4537.2	4358.8	4180.5	4135.9	3457.1	2552.0	2099.4	1807.3	1223.2	785.0
115°	4243.2	4490.4	4243.2	3995.9	3934.1	3280.2	2408.3	1972.3	1726.3	1234.4	865.4
117.5°	3998.1	4272.4	3998.1	3723.9	3655.4	3065.2	2278.3	1884.8	1675.6	1257.4	943.6
120°	3800.6	4067.1	3800.6	3534.2	3467.6	2928.3	2209.4	1849.9	1658.6	1276.1	989.1
122.5°	3608.2	3871.1	3608.2	3345.5	3279.8	2794.2	2146.7	1823.1	1649.7	1302.9	1042.8
125°	3333.9	3576.0	3333.9	3091.8	3031.3	2618.9	2068.9	1793.9	1642.3	1339.0	1111.6
127.5°	3087.2	3291.5	3087.2	2882.9	2831.9	2477.7	2005.5	1769.4	1638.0	1375.1	1178.0
130°	2941.8	3130.5	2941.8	2753.2	2706.0	2390.7	1970.3	1760.1	1640.6	1401.6	1222.3
132.5°	2809.9	2978.9	2809.9	2640.9	2598.7	2316.4	1940.0	1751.8	1642.2	1422.9	1258.5
135°	2629.0	2774.8	2629.0	2483.4	2447.0	2210.6	1895.5	1737.9	1640.7	1446.3	1300.5
137.5°	2484.1	2603.3	2484.1	2364.9	2335.1	2135.2	1868.8	1735.6	1650.8	1481.2	1354.1
140°	2384.6	2496.0	2384.6	2273.1	2245.3	2072.6	1842.4	1727.3	1652.5	1502.6	1390.3
142.5°	2302.1	2398.0	2302.1	2206.2	2182.3	2030.6	1828.5	1727.3	1658.4	1520.5	1417.1
145°	2178.5	2251.1	2178.5	2105.9	2087.8	1963.7	1798.4	1715.7	1658.4	1543.9	1458.0
147.5°	2083.6	2143.7	2083.6	2023.5	2008.5	1910.9	1780.8	1715.7	1669.9	1578.1	1509.3
150°	2023.9	2072.6	2023.9	1975.1	1963.0	1880.5	1770.7	1715.7	1675.8	1596.0	1536.1
152.5°	1972.8	2009.6	1972.8	1936.0	1926.8	1856.4	1762.7	1715.7	1679.7	1607.6	1553.6
155°	1914.1	1938.5	1914.1	1889.7	1883.6	1827.6	1753.0	1715.7	1688.3	1633.3	1592.1
157.5°	1867.7	1884.8	1867.7	1850.6	1846.3	1802.8	1744.7	1715.7	1696.9	1659.0	1630.6
160°	1840.0	1849.9	1840.0	1830.1	1827.6	1790.3	1740.6	1715.7	1700.7	1670.6	1648.1
162.5°	1821.8	1831.2	1821.8	1812.5	1810.2	1778.7	1736.7	1715.7	1704.8	1683.0	1666.7
165°	1795.7	1805.5	1795.7	1785.8	1783.3	1760.8	1730.8	1715.7	1710.8	1700.9	1693.5
167.5°	1776.9	1781.0	1776.9	1772.8	1771.7	1757.0	1737.2	1727.3	1723.2	1714.9	1708.7
170°	1771.7	1771.7	1771.7	1771.7	1771.7	1757.0	1737.2	1727.3	1727.1	1726.6	1726.2
172.5°	1757.8	1754.2	1757.8	1761.5	1762.4	1750.7	1735.1	1727.3	1727.3	1727.3	1727.3
175°	1749.5	1749.5	1749.5	1749.5	1749.5	1742.1	1732.3	1727.3	1729.7	1734.3	1737.9
177.5°	1742.0	1737.9	1742.0	1746.1	1747.2	1741.4	1733.6	1729.7	1731.5	1735.2	1737.9
180°	1737.9	1737.9	1737.9	1737.9	1737.9	1737.9	1737.9	1737.9	1737.9	1737.9	1737.9



TEST NUMBER: P935229

CATALOG NUMBER: SQ4-FA-100U-100D-92765-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	3916.0	3916.0	3916.0	3916.0	3916.0	3916.0	3916.0	3916.0	3916.0	3916.0	3916.0
2.5°	3971.7	3949.4	3949.4	3912.4	3897.5	3886.4	3867.9	3812.4	3797.5	3782.7	3804.9
5°	4005.0	3964.3	3934.6	3867.9	3812.4	3790.1	3719.8	3586.4	3497.4	3430.7	3393.7
7.5°	4012.4	3960.5	3904.9	3801.3	3667.9	3608.6	3393.7	3149.2	3082.5	3023.2	2986.1
10°	4005.0	3945.8	3867.9	3712.3	3397.4	3293.6	3078.7	2919.5	2878.7	2867.6	2878.7
12.5°	3979.0	3923.5	3816.0	3556.7	3115.8	3045.5	2919.5	2826.8	2819.4	2838.0	2938.0
15°	3934.6	3882.8	3756.8	3349.2	2960.2	2908.3	2819.4	2786.1	2826.8	2956.5	3256.6
17.5°	3890.2	3830.9	3675.3	3145.5	2841.7	2804.6	2741.6	2808.3	3038.0	3212.1	3312.2
20°	3830.9	3760.5	3582.6	2997.2	2756.4	2723.1	2693.4	2993.6	3167.7	3230.7	3286.2
22.5°	3760.5	3686.4	3456.6	2893.6	2667.6	2641.6	2660.1	3097.3	3167.7	3212.1	3260.3
25°	3667.9	3604.9	3308.5	2812.1	2597.2	2567.5	2637.9	3086.2	3127.0	3138.1	3234.4
27.5°	3582.6	3501.1	3152.9	2737.9	2511.9	2500.8	2656.4	3038.0	3067.7	3078.7	3182.5
30°	3478.9	3356.6	2978.7	2660.1	2423.0	2419.3	2660.1	2978.7	2971.3	3001.0	3104.7
32.5°	3371.5	3141.7	2782.3	2563.8	2337.8	2334.1	2634.2	2889.8	2882.4	2923.2	3001.0
35°	3271.5	2975.1	2515.7	2452.7	2230.4	2234.0	2571.2	2786.1	2789.8	2826.8	2875.0
37.5°	3167.7	2830.6	2222.9	2330.4	2126.6	2126.6	2485.9	2689.8	2682.3	2693.4	2760.2
40°	3045.5	2604.6	1963.6	2171.0	2030.3	2019.2	2382.3	2586.1	2560.1	2556.4	2649.1
42.5°	2915.7	2356.3	1771.0	1959.9	1919.1	1904.3	2256.3	2460.1	2411.9	2423.0	2541.6
45°	2775.0	2289.7	1622.7	1656.1	1804.3	1793.1	2119.2	2315.5	2282.2	2311.9	2434.2
47.5°	2634.2	2156.3	1574.6	1374.5	1682.0	1678.4	1967.3	2174.8	2156.3	2185.9	2315.5
50°	2441.5	2008.0	1570.9	1178.2	1545.0	1559.7	1785.8	2037.7	2037.7	2063.6	2200.7
52.5°	2193.3	1826.5	1426.4	1067.0	1385.6	1430.1	1626.5	1919.1	1926.5	1952.5	2074.8
55°	1967.3	1637.6	1322.6	981.8	1196.7	1293.0	1470.9	1796.9	1811.7	1837.6	1948.8
57.5°	1759.9	1363.4	1300.5	881.8	1022.6	1115.2	1333.7	1678.4	1685.7	1708.0	1815.4
60°	1537.5	985.5	1193.0	774.3	870.7	941.1	1207.8	1537.5	1563.5	1578.3	1670.9
62.5°	1285.6	715.1	1081.8	700.2	796.6	811.4	1104.1	1404.1	1437.5	1448.6	1504.2
65°	915.1	600.2	918.8	637.3	718.8	722.4	992.9	1267.1	1296.7	1315.2	1356.0
67.5°	618.7	489.0	700.2	577.9	659.4	663.2	885.4	1107.7	1148.5	1163.3	1189.3
70°	429.8	326.0	518.7	515.0	592.8	600.2	770.7	963.3	1000.3	1011.4	1026.2
72.5°	314.9	263.0	429.8	463.1	522.4	529.8	652.1	800.3	837.3	848.4	855.8
75°	240.8	277.9	348.3	403.8	444.5	448.3	533.5	652.1	678.0	685.4	689.1
77.5°	192.6	259.4	255.6	326.0	363.0	355.7	418.7	503.9	526.1	526.1	526.1
80°	144.5	203.8	192.6	233.4	266.8	259.4	300.1	359.4	366.8	374.2	370.5
82.5°	107.4	129.6	129.6	148.2	177.9	170.4	200.0	233.4	233.4	233.4	240.8
85°	66.6	74.1	59.3	77.8	100.0	96.4	111.1	126.0	129.6	129.6	122.3
87.5°	40.8	33.4	18.5	29.6	44.5	44.5	51.9	55.6	51.9	51.9	51.9
90°	30.3	21.0	11.7	21.0	30.3	32.6	51.3	76.2	88.6	78.8	59.1
92.5°	205.3	125.9	46.6	125.9	205.3	225.1	316.5	438.3	499.2	437.5	314.2
95°	402.3	257.1	112.0	257.1	402.3	438.6	778.7	1232.3	1459.1	1302.0	987.9
97.5°	449.7	321.6	193.6	321.6	449.7	481.7	1048.9	1805.2	2183.4	2084.1	1885.6
100°	488.8	372.7	256.6	372.7	488.8	517.8	1147.3	1986.5	2406.2	2413.5	2428.0
102.5°	526.9	418.6	310.2	418.6	526.9	554.0	1192.4	2043.6	2469.2	2595.7	2848.6
105°	584.8	493.0	401.3	493.0	584.8	607.7	1225.9	2050.1	2462.2	2745.8	3312.9
107.5°	665.6	580.1	494.6	580.1	665.6	687.0	1232.0	1958.8	2322.2	2717.8	3508.8
110°	712.0	634.8	557.6	634.8	712.0	731.3	1222.7	1877.9	2205.5	2647.7	3532.1



TEST NUMBER: P935229

CATALOG NUMBER: SQ4-FA-100U-100D-92765-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	766.6	693.0	619.3	693.0	766.6	785.0	1223.2	1807.3	2099.4	2552.0	3457.1
115°	848.4	780.6	712.6	780.6	848.4	865.4	1234.4	1726.3	1972.3	2408.3	3280.2
117.5°	928.2	866.5	804.8	866.5	928.2	943.6	1257.4	1675.6	1884.8	2278.3	3065.2
120°	974.6	916.5	858.4	916.5	974.6	989.1	1276.1	1658.6	1849.9	2209.4	2928.3
122.5°	1028.1	969.6	911.0	969.6	1028.1	1042.8	1302.9	1649.7	1823.1	2146.7	2794.2
125°	1098.2	1044.8	991.4	1044.8	1098.2	1111.6	1339.0	1642.3	1793.9	2068.9	2618.9
127.5°	1164.6	1110.6	1056.7	1110.6	1164.6	1178.0	1375.1	1638.0	1769.4	2005.5	2477.7
130°	1207.8	1149.8	1091.7	1149.8	1207.8	1222.3	1401.6	1640.6	1760.1	1970.3	2390.7
132.5°	1244.0	1186.0	1127.9	1186.0	1244.0	1258.5	1422.9	1642.2	1751.8	1940.0	2316.4
135°	1287.3	1234.4	1181.6	1234.4	1287.3	1300.5	1446.3	1640.7	1737.9	1895.5	2210.6
137.5°	1341.0	1288.7	1236.3	1288.7	1341.0	1354.1	1481.2	1650.8	1735.6	1868.8	2135.2
140°	1378.2	1330.1	1281.9	1330.1	1378.2	1390.3	1502.6	1652.5	1727.3	1842.4	2072.6
142.5°	1406.0	1361.4	1316.8	1361.4	1406.0	1417.1	1520.5	1658.4	1727.3	1828.5	2030.6
145°	1448.2	1409.3	1370.5	1409.3	1448.2	1458.0	1543.9	1658.4	1715.7	1798.4	1963.7
147.5°	1499.8	1462.0	1424.1	1462.0	1499.8	1509.3	1578.1	1669.9	1715.7	1780.8	1910.9
150°	1527.5	1493.3	1459.1	1493.3	1527.5	1536.1	1596.0	1675.8	1715.7	1770.7	1880.5
152.5°	1547.1	1521.1	1495.2	1521.1	1547.1	1553.6	1607.6	1679.7	1715.7	1762.7	1856.4
155°	1587.3	1568.1	1548.9	1568.1	1587.3	1592.1	1633.3	1688.3	1715.7	1753.0	1827.6
157.5°	1625.9	1607.2	1588.5	1607.2	1625.9	1630.6	1659.0	1696.9	1715.7	1744.7	1802.8
160°	1644.4	1629.9	1615.4	1629.9	1644.4	1648.1	1670.6	1700.7	1715.7	1740.6	1790.3
162.5°	1664.0	1653.0	1642.2	1653.0	1664.0	1666.7	1683.0	1704.8	1715.7	1736.7	1778.7
165°	1691.1	1681.2	1671.3	1681.2	1691.1	1693.5	1700.9	1710.8	1715.7	1730.8	1760.8
167.5°	1707.5	1702.8	1698.2	1702.8	1707.5	1708.7	1714.9	1723.2	1727.3	1737.2	1757.0
170°	1725.1	1720.4	1715.7	1720.4	1725.1	1726.2	1726.6	1727.1	1727.3	1737.2	1757.0
172.5°	1727.1	1726.0	1725.0	1726.0	1727.1	1727.3	1727.3	1727.3	1727.3	1735.1	1750.7
175°	1737.9	1737.9	1737.9	1737.9	1737.9	1737.9	1734.3	1729.7	1727.3	1732.3	1742.1
177.5°	1737.9	1737.9	1737.9	1737.9	1737.9	1737.9	1735.2	1731.5	1729.7	1733.6	1741.4
180°	1737.9	1737.9	1737.9	1737.9	1737.9	1737.9	1737.9	1737.9	1737.9	1737.9	1737.9



TEST NUMBER: P935229

CATALOG NUMBER: SQ4-FA-100U-100D-92765-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	3916.0	3916.0	3916.0	3916.0	3916.0	3916.0	3916.0	3916.0	3916.0	3916.0	3916.0
2.5°	3779.0	3767.9	3782.7	3741.9	3782.7	3767.9	3779.0	3804.9	3782.7	3797.5	3812.4
5°	3315.9	3297.4	3238.1	3190.0	3238.1	3297.4	3315.9	3393.7	3430.7	3497.4	3586.4
7.5°	2964.0	2949.1	2934.3	2904.6	2934.3	2949.1	2964.0	2986.1	3023.2	3082.5	3149.2
10°	2886.1	2889.8	2912.1	2908.3	2912.1	2889.8	2886.1	2878.7	2867.6	2878.7	2919.5
12.5°	3086.2	3119.5	3241.7	3234.4	3241.7	3119.5	3086.2	2938.0	2838.0	2819.4	2826.8
15°	3315.9	3327.0	3353.0	3356.6	3353.0	3327.0	3315.9	3256.6	2956.5	2826.8	2786.1
17.5°	3338.1	3341.9	3360.4	3360.4	3360.4	3341.9	3338.1	3312.2	3212.1	3038.0	2808.3
20°	3319.6	3327.0	3364.0	3371.5	3364.0	3327.0	3319.6	3286.2	3230.7	3167.7	2993.6
22.5°	3312.2	3327.0	3356.6	3353.0	3356.6	3327.0	3312.2	3260.3	3212.1	3167.7	3097.3
25°	3275.1	3275.1	3278.9	3282.5	3278.9	3275.1	3275.1	3234.4	3138.1	3127.0	3086.2
27.5°	3197.3	3204.7	3227.0	3223.2	3227.0	3204.7	3197.3	3182.5	3078.7	3067.7	3038.0
30°	3127.0	3119.5	3101.0	3086.2	3101.0	3119.5	3127.0	3104.7	3001.0	2971.3	2978.7
32.5°	3008.4	2989.8	2971.3	2960.2	2971.3	2989.8	3008.4	3001.0	2923.2	2882.4	2889.8
35°	2867.6	2871.3	2867.6	2856.5	2867.6	2871.3	2867.6	2875.0	2826.8	2789.8	2786.1
37.5°	2767.6	2775.0	2771.3	2756.4	2771.3	2775.0	2767.6	2760.2	2693.4	2682.3	2689.8
40°	2663.8	2667.6	2663.8	2652.7	2663.8	2667.6	2663.8	2649.1	2556.4	2560.1	2586.1
42.5°	2563.8	2560.1	2548.9	2541.6	2548.9	2560.1	2563.8	2541.6	2423.0	2411.9	2460.1
45°	2448.9	2452.7	2430.4	2419.3	2430.4	2452.7	2448.9	2434.2	2311.9	2282.2	2315.5
47.5°	2334.1	2334.1	2315.5	2304.4	2315.5	2334.1	2334.1	2315.5	2185.9	2156.3	2174.8
50°	2211.8	2208.1	2182.2	2178.5	2182.2	2208.1	2211.8	2200.7	2063.6	2037.7	2037.7
52.5°	2071.0	2071.0	2074.8	2082.2	2074.8	2071.0	2071.0	2074.8	1952.5	1926.5	1919.1
55°	1948.8	1952.5	1978.4	1985.8	1978.4	1952.5	1948.8	1948.8	1837.6	1811.7	1796.9
57.5°	1822.8	1822.8	1841.4	1841.4	1841.4	1822.8	1822.8	1815.4	1708.0	1685.7	1678.4
60°	1678.4	1685.7	1700.5	1696.9	1700.5	1685.7	1678.4	1670.9	1578.3	1563.5	1537.5
62.5°	1526.4	1533.9	1537.5	1530.1	1537.5	1533.9	1526.4	1504.2	1448.6	1437.5	1404.1
65°	1367.1	1374.5	1378.2	1370.8	1378.2	1374.5	1367.1	1356.0	1315.2	1296.7	1267.1
67.5°	1204.1	1200.3	1196.7	1211.5	1196.7	1200.3	1204.1	1189.3	1163.3	1148.5	1107.7
70°	1037.3	1037.3	1033.7	1041.1	1033.7	1037.3	1037.3	1026.2	1011.4	1000.3	963.3
72.5°	859.6	855.8	870.7	859.6	870.7	855.8	859.6	855.8	848.4	837.3	800.3
75°	685.4	692.8	685.4	696.5	685.4	692.8	685.4	689.1	685.4	678.0	652.1
77.5°	522.4	529.8	522.4	522.4	522.4	529.8	522.4	526.1	526.1	526.1	503.9
80°	370.5	366.8	366.8	363.0	366.8	366.8	370.5	370.5	374.2	366.8	359.4
82.5°	237.1	233.4	233.4	240.8	233.4	233.4	237.1	240.8	233.4	233.4	233.4
85°	129.6	133.4	126.0	126.0	126.0	133.4	129.6	122.3	129.6	129.6	126.0
87.5°	48.1	44.5	44.5	44.5	44.5	44.5	48.1	51.9	51.9	51.9	55.6
90°	44.3	44.3	44.3	44.3	44.3	44.3	44.3	59.1	78.8	88.6	76.2
92.5°	221.6	212.8	177.5	142.3	177.5	212.8	221.6	314.2	437.5	499.2	438.3
95°	752.3	725.5	618.8	512.0	618.8	725.5	752.3	987.9	1302.0	1459.1	1232.3
97.5°	1736.7	1685.9	1482.7	1279.5	1482.7	1685.9	1736.7	1885.6	2084.1	2183.4	1805.2
100°	2438.8	2378.4	2136.3	1894.2	2136.3	2378.4	2438.8	2428.0	2413.5	2406.2	1986.5
102.5°	3038.4	2986.5	2779.2	2571.8	2779.2	2986.5	3038.4	2848.6	2595.7	2469.2	2043.6
105°	3738.2	3710.3	3598.8	3487.4	3598.8	3710.3	3738.2	3312.9	2745.8	2462.2	2050.1
107.5°	4102.1	4108.8	4135.8	4162.7	4135.8	4108.8	4102.1	3508.8	2717.8	2322.2	1958.8
110°	4195.3	4224.4	4340.5	4456.7	4340.5	4224.4	4195.3	3532.1	2647.7	2205.5	1877.9



TEST NUMBER: P935229

CATALOG NUMBER: SQ4-FA-100U-100D-92765-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	4135.9	4180.5	4358.8	4537.2	4358.8	4180.5	4135.9	3457.1	2552.0	2099.4	1807.3
115°	3934.1	3995.9	4243.2	4490.4	4243.2	3995.9	3934.1	3280.2	2408.3	1972.3	1726.3
117.5°	3655.4	3723.9	3998.1	4272.4	3998.1	3723.9	3655.4	3065.2	2278.3	1884.8	1675.6
120°	3467.6	3534.2	3800.6	4067.1	3800.6	3534.2	3467.6	2928.3	2209.4	1849.9	1658.6
122.5°	3279.8	3345.5	3608.2	3871.1	3608.2	3345.5	3279.8	2794.2	2146.7	1823.1	1649.7
125°	3031.3	3091.8	3333.9	3576.0	3333.9	3091.8	3031.3	2618.9	2068.9	1793.9	1642.3
127.5°	2831.9	2882.9	3087.2	3291.5	3087.2	2882.9	2831.9	2477.7	2005.5	1769.4	1638.0
130°	2706.0	2753.2	2941.8	3130.5	2941.8	2753.2	2706.0	2390.7	1970.3	1760.1	1640.6
132.5°	2598.7	2640.9	2809.9	2978.9	2809.9	2640.9	2598.7	2316.4	1940.0	1751.8	1642.2
135°	2447.0	2483.4	2629.0	2774.8	2629.0	2483.4	2447.0	2210.6	1895.5	1737.9	1640.7
137.5°	2335.1	2364.9	2484.1	2603.3	2484.1	2364.9	2335.1	2135.2	1868.8	1735.6	1650.8
140°	2245.3	2273.1	2384.6	2496.0	2384.6	2273.1	2245.3	2072.6	1842.4	1727.3	1652.5
142.5°	2182.3	2206.2	2302.1	2398.0	2302.1	2206.2	2182.3	2030.6	1828.5	1727.3	1658.4
145°	2087.8	2105.9	2178.5	2251.1	2178.5	2105.9	2087.8	1963.7	1798.4	1715.7	1658.4
147.5°	2008.5	2023.5	2083.6	2143.7	2083.6	2023.5	2008.5	1910.9	1780.8	1715.7	1669.9
150°	1963.0	1975.1	2023.9	2072.6	2023.9	1975.1	1963.0	1880.5	1770.7	1715.7	1675.8
152.5°	1926.8	1936.0	1972.8	2009.6	1972.8	1936.0	1926.8	1856.4	1762.7	1715.7	1679.7
155°	1883.6	1889.7	1914.1	1938.5	1914.1	1889.7	1883.6	1827.6	1753.0	1715.7	1688.3
157.5°	1846.3	1850.6	1867.7	1884.8	1867.7	1850.6	1846.3	1802.8	1744.7	1715.7	1696.9
160°	1827.6	1830.1	1840.0	1849.9	1840.0	1830.1	1827.6	1790.3	1740.6	1715.7	1700.7
162.5°	1810.2	1812.5	1821.8	1831.2	1821.8	1812.5	1810.2	1778.7	1736.7	1715.7	1704.8
165°	1783.3	1785.8	1795.7	1805.5	1795.7	1785.8	1783.3	1760.8	1730.8	1715.7	1710.8
167.5°	1771.7	1772.8	1776.9	1781.0	1776.9	1772.8	1771.7	1757.0	1737.2	1727.3	1723.2
170°	1771.7	1771.7	1771.7	1771.7	1771.7	1771.7	1771.7	1757.0	1737.2	1727.3	1727.1
172.5°	1762.4	1761.5	1757.8	1754.2	1757.8	1761.5	1762.4	1750.7	1735.1	1727.3	1727.3
175°	1749.5	1749.5	1749.5	1749.5	1749.5	1749.5	1749.5	1742.1	1732.3	1727.3	1729.7
177.5°	1747.2	1746.1	1742.0	1737.9	1742.0	1746.1	1747.2	1741.4	1733.6	1729.7	1731.5
180°	1737.9	1737.9	1737.9	1737.9	1737.9	1737.9	1737.9	1737.9	1737.9	1737.9	1737.9



TEST NUMBER: P935229

CATALOG NUMBER: SQ4-FA-100U-100D-92765-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	3916.0	3916.0	3916.0	3916.0	3916.0
2.5°	3867.9	3886.4	3897.5	3912.4	3949.4
5°	3719.8	3790.1	3812.4	3867.9	3934.6
7.5°	3393.7	3608.6	3667.9	3801.3	3904.9
10°	3078.7	3293.6	3397.4	3712.3	3867.9
12.5°	2919.5	3045.5	3115.8	3556.7	3816.0
15°	2819.4	2908.3	2960.2	3349.2	3756.8
17.5°	2741.6	2804.6	2841.7	3145.5	3675.3
20°	2693.4	2723.1	2756.4	2997.2	3582.6
22.5°	2660.1	2641.6	2667.6	2893.6	3456.6
25°	2637.9	2567.5	2597.2	2812.1	3308.5
27.5°	2656.4	2500.8	2511.9	2737.9	3152.9
30°	2660.1	2419.3	2423.0	2660.1	2978.7
32.5°	2634.2	2334.1	2337.8	2563.8	2782.3
35°	2571.2	2234.0	2230.4	2452.7	2515.7
37.5°	2485.9	2126.6	2126.6	2330.4	2222.9
40°	2382.3	2019.2	2030.3	2171.0	1963.6
42.5°	2256.3	1904.3	1919.1	1959.9	1771.0
45°	2119.2	1793.1	1804.3	1656.1	1622.7
47.5°	1967.3	1678.4	1682.0	1374.5	1574.6
50°	1785.8	1559.7	1545.0	1178.2	1570.9
52.5°	1626.5	1430.1	1385.6	1067.0	1426.4
55°	1470.9	1293.0	1196.7	981.8	1322.6
57.5°	1333.7	1115.2	1022.6	881.8	1300.5
60°	1207.8	941.1	870.7	774.3	1193.0
62.5°	1104.1	811.4	796.6	700.2	1081.8
65°	992.9	722.4	718.8	637.3	918.8
67.5°	885.4	663.2	659.4	577.9	700.2
70°	770.7	600.2	592.8	515.0	518.7
72.5°	652.1	529.8	522.4	463.1	429.8
75°	533.5	448.3	444.5	403.8	348.3
77.5°	418.7	355.7	363.0	326.0	255.6
80°	300.1	259.4	266.8	233.4	192.6
82.5°	200.0	170.4	177.9	148.2	129.6
85°	111.1	96.4	100.0	77.8	59.3
87.5°	51.9	44.5	44.5	29.6	18.5
90°	51.3	32.6	30.3	21.0	11.7
92.5°	316.5	225.1	205.3	125.9	46.6
95°	778.7	438.6	402.3	257.1	112.0
97.5°	1048.9	481.7	449.7	321.6	193.6
100°	1147.3	517.8	488.8	372.7	256.6
102.5°	1192.4	554.0	526.9	418.6	310.2
105°	1225.9	607.7	584.8	493.0	401.3
107.5°	1232.0	687.0	665.6	580.1	494.6
110°	1222.7	731.3	712.0	634.8	557.6



TEST NUMBER: P935229

CATALOG NUMBER: SQ4-FA-100U-100D-92765-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1223.2	785.0	766.6	693.0	619.3
115°	1234.4	865.4	848.4	780.6	712.6
117.5°	1257.4	943.6	928.2	866.5	804.8
120°	1276.1	989.1	974.6	916.5	858.4
122.5°	1302.9	1042.8	1028.1	969.6	911.0
125°	1339.0	1111.6	1098.2	1044.8	991.4
127.5°	1375.1	1178.0	1164.6	1110.6	1056.7
130°	1401.6	1222.3	1207.8	1149.8	1091.7
132.5°	1422.9	1258.5	1244.0	1186.0	1127.9
135°	1446.3	1300.5	1287.3	1234.4	1181.6
137.5°	1481.2	1354.1	1341.0	1288.7	1236.3
140°	1502.6	1390.3	1378.2	1330.1	1281.9
142.5°	1520.5	1417.1	1406.0	1361.4	1316.8
145°	1543.9	1458.0	1448.2	1409.3	1370.5
147.5°	1578.1	1509.3	1499.8	1462.0	1424.1
150°	1596.0	1536.1	1527.5	1493.3	1459.1
152.5°	1607.6	1553.6	1547.1	1521.1	1495.2
155°	1633.3	1592.1	1587.3	1568.1	1548.9
157.5°	1659.0	1630.6	1625.9	1607.2	1588.5
160°	1670.6	1648.1	1644.4	1629.9	1615.4
162.5°	1683.0	1666.7	1664.0	1653.0	1642.2
165°	1700.9	1693.5	1691.1	1681.2	1671.3
167.5°	1714.9	1708.7	1707.5	1702.8	1698.2
170°	1726.6	1726.2	1725.1	1720.4	1715.7
172.5°	1727.3	1727.3	1727.1	1726.0	1725.0
175°	1734.3	1737.9	1737.9	1737.9	1737.9
177.5°	1735.2	1737.9	1737.9	1737.9	1737.9
180°	1737.9	1737.9	1737.9	1737.9	1737.9



TEST NUMBER: P935229
 CATALOG NUMBER: SQ4-FA-100U-100D-92765-1D-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	13.23	14.07	14.21	15.07	16.37	16.09	16.92	17.06	17.92	19.22
	3H	13.71	14.46	14.70	15.46	16.79	17.44	18.19	18.43	19.19	20.52
	4H	13.90	14.61	14.90	15.62	16.95	17.88	18.60	18.89	19.60	20.94
	6H	14.02	14.67	15.03	15.68	17.03	18.17	18.83	19.19	19.84	21.19
	8H	14.02	14.64	15.04	15.67	17.01	18.25	18.87	19.27	19.90	21.25
	12H	13.99	14.58	15.01	15.60	16.97	18.29	18.88	19.32	19.90	21.27
4H	2H	14.27	14.98	15.28	15.98	17.32	16.49	17.20	17.50	18.21	19.54
	3H	15.29	15.89	16.31	16.92	18.27	18.00	18.59	19.02	19.63	20.98
	4H	15.57	16.11	16.60	17.14	18.51	18.53	19.07	19.56	20.10	21.47
	6H	15.69	16.16	16.73	17.21	18.58	18.90	19.37	19.94	20.42	21.79
	8H	15.70	16.13	16.74	17.18	18.56	19.01	19.45	20.05	20.49	21.87
	12H	15.66	16.06	16.72	17.11	18.50	19.07	19.46	20.13	20.52	21.91
8H	4H	16.02	16.46	17.06	17.50	18.89	18.65	19.09	19.69	20.13	21.52
	6H	16.29	16.65	17.35	17.73	19.11	19.10	19.46	20.16	20.54	21.92
	8H	16.33	16.64	17.40	17.71	19.11	19.25	19.57	20.32	20.64	22.04
	12H	16.31	16.59	17.38	17.65	19.10	19.35	19.63	20.43	20.69	22.14
12H	4H	16.03	16.42	17.09	17.48	18.87	18.62	19.01	19.67	20.07	21.46
	6H	16.35	16.66	17.42	17.73	19.13	19.09	19.41	20.16	20.48	21.88
	8H	16.41	16.69	17.49	17.75	19.20	19.26	19.54	20.33	20.60	22.04