

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: P935354

Luminaire Tested: SQ4-FA-100U-125D-93050-1D-UNV-STD-W-12-3500K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935354
REPORT IS A COMBINATION OF REPORTS P933749 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-100U-125D-93050-1D-UNV-STD-W-12-3500K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

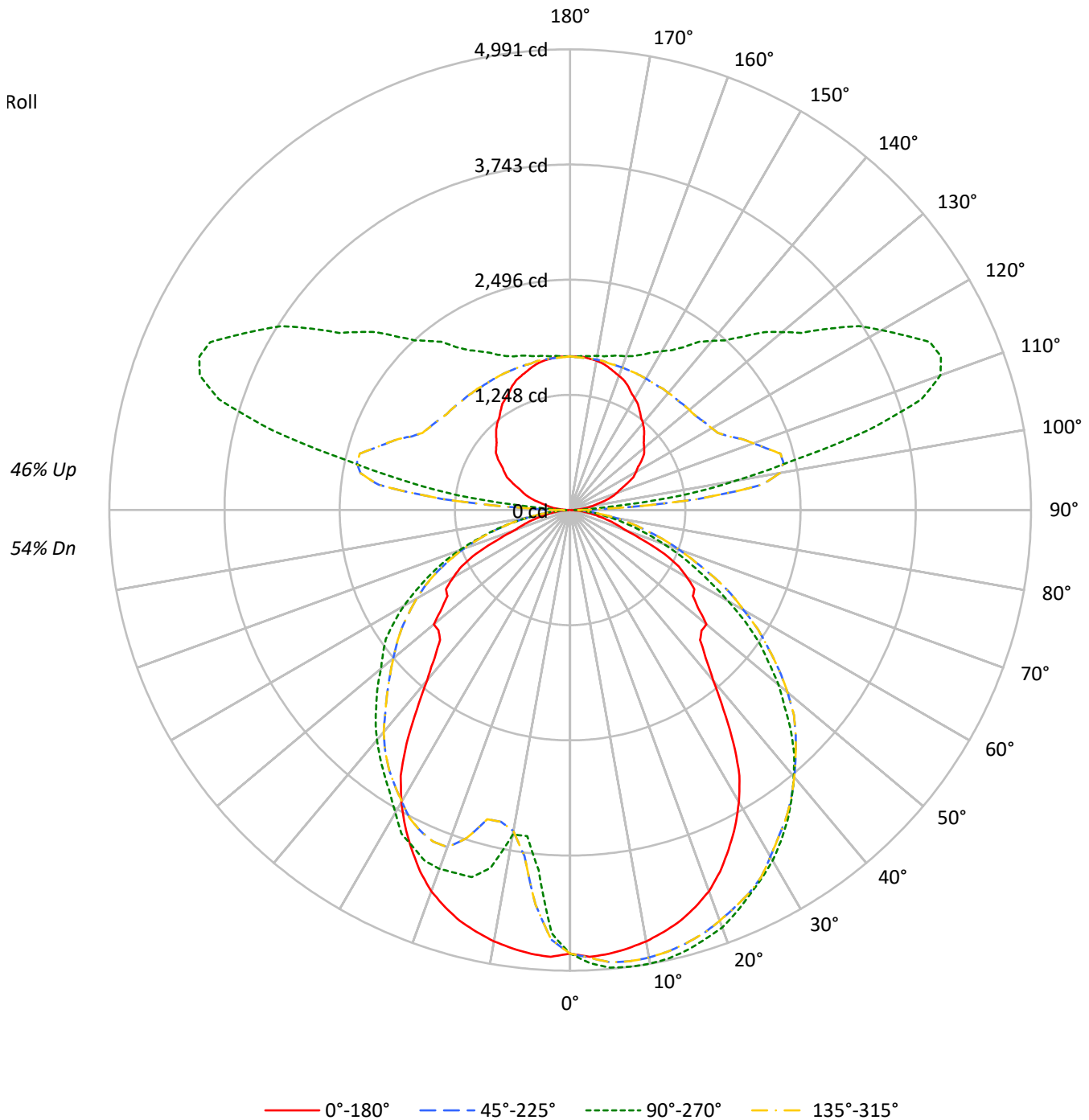
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23253.9 lumens
Efficiency: N/A
Efficacy: 112.7 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): 206.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P935354
CATALOG NUMBER: SQ4-FA-100U-125D-93050-1D-UNV-STD-W-12-3500K

Luminous Intensity Polar Plot





TEST NUMBER: P935354

CATALOG NUMBER: SQ4-FA-100U-125D-93050-1D-UNV-STD-W-12-3500K

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	108	108	108	108	100	100	100	100	85	85	85	72	72	72	59	59	59	54			
1	99	94	90	87	91	88	84	81	75	73	70	63	62	60	53	51	50	45			
2	90	82	76	71	83	77	71	67	66	62	58	56	53	50	46	44	42	38			
3	82	72	65	59	76	67	61	56	58	53	49	49	46	42	41	38	36	32			
4	75	64	56	50	69	60	53	47	51	46	42	44	40	36	37	34	31	28			
5	69	57	49	43	64	53	46	41	46	40	36	39	35	31	33	30	27	24			
6	63	51	43	37	59	48	41	35	41	36	31	35	31	28	30	26	24	21			
7	59	46	38	33	54	43	36	31	38	32	28	32	28	24	27	24	21	19			
8	54	42	34	29	50	39	32	27	34	29	24	29	25	22	25	22	19	17			
9	51	38	31	26	47	36	29	24	31	26	22	27	23	19	23	20	17	15			
10	47	35	28	23	44	33	26	22	29	23	20	25	21	18	21	18	15	13			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	14860	14860	14860	14860
5°	14976	15000	14976	11795
10°	14882	14776	14882	10564
15°	14725	14456	14725	12071
20°	14423	14077	14423	12096
25°	13798	13523	13798	11840
30°	12989	13064	12989	11277
35°	11585	12483	11585	10659
40°	9659	11800	9659	10191
45°	8636	10999	8636	9654
50°	9182	10044	9182	9114
55°	8647	9016	8647	8803
60°	8925	7657	8925	8062
65°	8105	6330	8105	7076
70°	5626	5045	5626	5931
75°	4951	3729	4951	4465
80°	4021	2465	4021	2684
85°	2356	1306	2356	1110

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 13228 cd/sqm



TEST NUMBER: P935354

CATALOG NUMBER: SQ4-FA-100U-125D-93050-1D-UNV-STD-W-12-3500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	433.7	1.9
10°-20°	1231.3	5.3
20°-30°	1903.4	8.2
30°-40°	2272.2	9.8
40°-50°	2285.5	9.8
50°-60°	1988.7	8.6
60°-70°	1410.0	6.1
70°-80°	746.0	3.2
80°-90°	192.1	0.8
90°-100°	811.4	3.5
100°-110°	2133.3	9.2
110°-120°	2212.0	9.5
120°-130°	1774.3	7.6
130°-140°	1392.2	6.0
140°-150°	1068.5	4.6
150°-160°	769.5	3.3
160°-170°	470.8	2.0
170°-180°	159.1	0.7
0°-30°	3568.3	15.3
0°-40°	5840.5	25.1
0°-60°	10114.7	43.5
0°-90°	12462.8	53.6
90°-120°	5156.7	22.2
90°-150°	9391.7	40.4
90°-180°	10791.0	46.4
0°-180°	23253.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	4804	4804	4804	4804	4804	
5°	4827	4977	4827	3913	4827	458
15°	4609	4932	4609	4118	4609	1297
25°	4059	4600	4059	4027	4059	1864
35°	3086	4104	3086	3504	3086	1909
45°	1991	3382	1991	2968	1991	1595
55°	1623	2495	1623	2436	1623	1491
65°	1127	1504	1127	1682	1127	1077
75°	427	714	427	854	427	449
85°	73	182	73	154	73	98
90°	11	42	11	42	11	12
95°	107	490	107	490	107	119
105°	384	3340	384	3340	384	407
115°	683	4301	683	4301	683	674
125°	950	3425	950	3425	950	843
135°	1132	2658	1132	2658	1132	876
145°	1313	2156	1313	2156	1313	822
155°	1484	1857	1484	1857	1484	682
165°	1601	1729	1601	1729	1601	452
175°	1665	1676	1665	1676	1665	158
180°	1665	1665	1665	1665	1665	



TEST NUMBER: P935354

CATALOG NUMBER: SQ4-FA-100U-125D-93050-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	4804.2	4804.2	4804.2	4804.2	4804.2	4804.2	4804.2	4804.2	4804.2	4804.2	4804.2
2.5°	4845.2	4845.2	4872.4	4881.5	4881.5	4867.8	4854.2	4867.8	4908.7	4922.4	4917.9
5°	4826.9	4863.3	4913.3	4922.4	4931.5	4926.9	4917.9	4926.9	4972.4	4981.5	4986.0
7.5°	4790.5	4858.8	4922.4	4936.0	4949.6	4936.0	4931.5	4940.6	4986.0	4995.1	4995.1
10°	4745.2	4840.6	4913.3	4922.4	4936.0	4922.4	4922.4	4940.6	4986.0	4995.1	4999.7
12.5°	4681.5	4813.3	4881.5	4890.6	4908.7	4904.2	4899.7	4917.9	4963.3	4972.4	4972.4
15°	4608.8	4763.3	4826.9	4836.0	4867.8	4858.8	4858.8	4876.9	4926.9	4940.6	4936.0
17.5°	4508.8	4699.7	4772.4	4786.1	4808.7	4804.2	4808.7	4826.9	4872.4	4881.5	4886.0
20°	4395.2	4613.3	4699.7	4713.3	4736.0	4736.0	4736.0	4758.8	4804.2	4822.4	4822.4
22.5°	4240.6	4522.4	4613.3	4622.4	4649.7	4649.7	4658.8	4690.5	4731.5	4736.0	4736.0
25°	4058.8	4422.4	4499.7	4527.0	4554.3	4567.9	4581.5	4599.7	4613.3	4608.8	4613.3
27.5°	3867.9	4295.2	4395.2	4413.4	4449.7	4463.3	4481.5	4486.1	4490.6	4504.2	4495.2
30°	3654.3	4117.9	4267.9	4286.0	4345.1	4354.3	4336.1	4345.1	4367.9	4377.0	4386.0
32.5°	3413.4	3854.3	4136.1	4177.0	4231.5	4204.3	4199.7	4213.3	4249.7	4249.7	4258.8
35°	3086.1	3649.7	4013.3	4049.7	4090.6	4058.8	4077.0	4081.5	4104.3	4117.9	4113.3
37.5°	2727.1	3472.5	3886.1	3913.4	3945.2	3904.3	3931.6	3945.2	3963.4	3954.2	3954.2
40°	2408.9	3195.2	3736.1	3754.3	3781.5	3749.7	3777.1	3786.1	3795.2	3786.1	3781.5
42.5°	2172.6	2890.7	3577.0	3599.8	3581.6	3604.3	3613.4	3631.6	3618.0	3599.8	3599.8
45°	1990.7	2808.9	3404.3	3431.6	3404.3	3440.7	3454.3	3454.3	3413.4	3404.3	3399.8
47.5°	1931.7	2645.3	3231.6	3231.6	3217.9	3263.4	3286.2	3254.3	3213.5	3199.8	3199.8
50°	1927.2	2463.5	2995.3	2977.1	3040.7	3095.3	3072.5	3040.7	3008.9	2958.9	2958.9
52.5°	1749.9	2240.8	2690.7	2758.9	2858.9	2890.7	2854.3	2822.6	2767.9	2745.3	2727.1
55°	1622.6	2009.0	2413.5	2549.8	2654.3	2695.2	2627.1	2595.2	2513.5	2499.8	2490.8
57.5°	1595.4	1672.6	2159.0	2331.7	2458.9	2454.4	2413.5	2354.4	2286.2	2272.6	2268.0
60°	1463.6	1209.0	1886.2	2090.7	2222.6	2208.9	2172.6	2118.0	2054.4	2045.3	2036.2
62.5°	1327.2	877.2	1577.2	1809.0	1995.3	1990.7	1958.9	1877.1	1831.7	1809.0	1790.8
65°	1127.2	736.3	1122.6	1504.5	1772.6	1781.7	1713.5	1654.4	1604.4	1577.2	1572.6
67.5°	859.1	599.9	759.0	1254.4	1559.0	1549.9	1463.6	1436.3	1372.6	1359.0	1331.7
70°	636.3	399.9	527.2	1018.1	1349.9	1327.2	1259.0	1227.2	1168.1	1136.2	1118.1
72.5°	527.2	322.7	386.3	790.8	1136.2	1109.0	1049.9	1013.6	963.5	936.3	918.1
75°	427.2	340.8	295.5	586.3	922.6	904.4	849.9	813.6	772.7	736.3	740.9
77.5°	313.6	318.2	236.4	431.8	731.7	704.5	672.6	627.3	609.1	572.7	572.7
80°	236.4	250.0	177.3	295.5	527.2	527.2	499.9	468.2	436.4	418.1	418.1
82.5°	159.1	159.1	131.8	186.3	359.1	345.4	327.2	318.2	300.0	290.9	290.9
85°	72.7	90.9	81.8	113.6	195.4	204.5	204.5	195.4	190.9	181.8	186.3
87.5°	22.7	40.9	50.0	63.7	100.0	104.6	109.0	109.0	109.0	113.6	113.6
90°	11.2	20.1	29.0	31.2	49.2	73.0	84.9	75.5	56.6	42.4	42.4
92.5°	44.7	120.6	196.6	215.6	303.2	419.8	478.2	419.1	300.9	212.3	203.9
95°	107.3	246.3	385.3	420.1	745.9	1180.4	1397.6	1247.2	946.3	720.5	694.9
97.5°	185.4	308.1	430.7	461.4	1004.7	1729.1	2091.4	1996.3	1806.1	1663.5	1614.9
100°	245.8	357.0	468.2	496.0	1098.9	1902.8	2304.8	2311.8	2325.7	2336.0	2278.1
102.5°	297.2	400.9	504.7	530.7	1142.1	1957.5	2365.1	2486.3	2728.6	2910.3	2860.6
105°	384.4	472.2	560.1	582.0	1174.2	1963.7	2358.4	2630.1	3173.3	3580.6	3553.9
107.5°	473.7	555.6	637.6	658.1	1180.1	1876.2	2224.3	2603.2	3360.9	3929.2	3935.6
110°	534.1	608.0	682.0	700.5	1171.2	1798.8	2112.6	2536.2	3383.2	4018.5	4046.4



TEST NUMBER: P935354

CATALOG NUMBER: SQ4-FA-100U-125D-93050-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	593.2	663.8	734.2	751.9	1171.6	1731.2	2011.0	2444.5	3311.4	3961.6	4004.3
115°	682.6	747.7	812.7	829.0	1182.3	1653.6	1889.2	2306.8	3141.9	3768.3	3827.5
117.5°	770.9	830.0	889.0	903.8	1204.4	1605.0	1805.4	2182.2	2936.0	3501.3	3566.9
120°	822.3	877.9	933.5	947.4	1222.3	1588.7	1771.9	2116.2	2804.9	3321.4	3385.3
122.5°	872.6	928.7	984.8	998.8	1248.0	1580.1	1746.2	2056.3	2676.4	3141.6	3204.5
125°	949.7	1000.8	1051.9	1064.7	1282.5	1573.1	1718.3	1981.7	2508.5	2903.6	2961.5
127.5°	1012.2	1063.8	1115.5	1128.4	1317.2	1568.9	1694.8	1921.0	2373.3	2712.5	2761.4
130°	1045.7	1101.3	1156.9	1170.8	1342.5	1571.5	1685.9	1887.2	2289.9	2591.9	2637.1
132.5°	1080.4	1136.0	1191.6	1205.4	1362.9	1573.0	1678.0	1858.2	2218.8	2489.1	2529.6
135°	1131.8	1182.3	1233.0	1245.6	1385.3	1571.5	1664.7	1815.6	2117.4	2343.8	2378.8
137.5°	1184.2	1234.4	1284.5	1297.0	1418.8	1581.2	1662.4	1790.0	2045.3	2236.7	2265.2
140°	1227.8	1274.0	1320.1	1331.7	1439.3	1582.8	1654.5	1764.7	1985.3	2150.6	2177.3
142.5°	1261.3	1304.0	1346.7	1357.4	1456.4	1588.5	1654.5	1751.4	1945.1	2090.3	2113.2
145°	1312.7	1350.0	1387.2	1396.5	1478.8	1588.6	1643.4	1722.6	1881.0	1999.8	2017.1
147.5°	1364.1	1400.4	1436.6	1445.7	1511.6	1599.5	1643.4	1705.7	1830.4	1923.8	1938.3
150°	1397.6	1430.4	1463.1	1471.4	1528.7	1605.2	1643.4	1696.1	1801.3	1880.2	1891.9
152.5°	1432.2	1457.0	1481.9	1488.1	1539.8	1608.9	1643.4	1688.4	1778.2	1845.6	1854.4
155°	1483.6	1502.0	1520.4	1525.0	1564.5	1617.1	1643.4	1679.2	1750.6	1804.2	1810.1
157.5°	1521.6	1539.5	1557.4	1561.9	1589.1	1625.3	1643.4	1671.2	1726.8	1768.5	1772.6
160°	1547.3	1561.2	1575.1	1578.6	1600.2	1629.0	1643.4	1667.3	1714.9	1750.6	1752.9
162.5°	1573.0	1583.4	1593.8	1596.4	1612.1	1633.0	1643.4	1663.5	1703.7	1733.9	1736.1
165°	1600.9	1610.3	1619.8	1622.1	1629.2	1638.7	1643.4	1657.8	1686.6	1708.2	1710.5
167.5°	1626.6	1631.1	1635.6	1636.7	1642.6	1650.6	1654.5	1664.0	1682.9	1697.1	1698.0
170°	1643.4	1647.9	1652.4	1653.5	1653.8	1654.3	1654.5	1664.0	1682.9	1697.1	1697.1
172.5°	1652.3	1653.3	1654.3	1654.5	1654.5	1654.5	1654.5	1662.0	1676.9	1688.1	1687.2
175°	1664.7	1664.7	1664.7	1664.7	1661.3	1656.8	1654.5	1659.3	1668.7	1675.8	1675.8
177.5°	1664.7	1664.7	1664.7	1664.7	1662.1	1658.6	1656.8	1660.5	1668.0	1673.5	1672.5
180°	1664.7	1664.7	1664.7	1664.7	1664.7	1664.7	1664.7	1664.7	1664.7	1664.7	1664.7



TEST NUMBER: P935354

CATALOG NUMBER: SQ4-FA-100U-125D-93050-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	4804.2	4804.2	4804.2	4804.2	4804.2	4804.2	4804.2	4804.2	4804.2	4804.2	4804.2
2.5°	4926.9	4913.3	4926.9	4917.9	4922.4	4908.7	4867.8	4854.2	4867.8	4881.5	4881.5
5°	4986.0	4976.9	4986.0	4986.0	4981.5	4972.4	4926.9	4917.9	4926.9	4931.5	4922.4
7.5°	5004.2	4990.6	5004.2	4995.1	4995.1	4986.0	4940.6	4931.5	4936.0	4949.6	4936.0
10°	5004.2	4990.6	5004.2	4999.7	4995.1	4986.0	4940.6	4922.4	4922.4	4936.0	4922.4
12.5°	4981.5	4972.4	4981.5	4972.4	4972.4	4963.3	4917.9	4899.7	4904.2	4908.7	4890.6
15°	4945.1	4931.5	4945.1	4936.0	4940.6	4926.9	4876.9	4858.8	4858.8	4867.8	4836.0
17.5°	4890.6	4872.4	4890.6	4886.0	4881.5	4872.4	4826.9	4808.7	4804.2	4808.7	4786.1
20°	4826.9	4813.3	4826.9	4822.4	4822.4	4804.2	4758.8	4736.0	4736.0	4736.0	4713.3
22.5°	4727.0	4713.3	4727.0	4736.0	4736.0	4731.5	4690.5	4658.8	4649.7	4649.7	4622.4
25°	4613.3	4599.7	4613.3	4613.3	4608.8	4613.3	4599.7	4581.5	4567.9	4554.3	4527.0
27.5°	4504.2	4495.2	4504.2	4495.2	4504.2	4490.6	4486.1	4481.5	4463.3	4449.7	4413.4
30°	4395.2	4386.0	4395.2	4386.0	4377.0	4367.9	4345.1	4336.1	4354.3	4345.1	4286.0
32.5°	4258.8	4249.7	4258.8	4258.8	4249.7	4249.7	4213.3	4199.7	4204.3	4231.5	4177.0
35°	4117.9	4104.3	4117.9	4113.3	4117.9	4104.3	4081.5	4077.0	4058.8	4090.6	4049.7
37.5°	3954.2	3940.6	3954.2	3954.2	3954.2	3963.4	3945.2	3931.6	3904.3	3945.2	3913.4
40°	3786.1	3767.9	3786.1	3781.5	3786.1	3795.2	3786.1	3777.1	3749.7	3781.5	3754.3
42.5°	3595.2	3590.6	3595.2	3599.8	3599.8	3618.0	3631.6	3613.4	3604.3	3581.6	3599.8
45°	3390.6	3381.6	3390.6	3399.8	3404.3	3413.4	3454.3	3454.3	3440.7	3404.3	3431.6
47.5°	3172.5	3149.8	3172.5	3199.8	3199.8	3213.5	3254.3	3286.2	3263.4	3217.9	3231.6
50°	2940.7	2945.2	2940.7	2958.9	2958.9	3008.9	3040.7	3072.5	3095.3	3040.7	2977.1
52.5°	2713.4	2708.9	2713.4	2727.1	2745.3	2767.9	2822.6	2854.3	2890.7	2858.9	2758.9
55°	2486.2	2495.3	2486.2	2490.8	2499.8	2513.5	2595.2	2627.1	2695.2	2654.3	2549.8
57.5°	2259.0	2245.3	2259.0	2268.0	2272.6	2286.2	2354.4	2413.5	2454.4	2458.9	2331.7
60°	1995.3	1977.1	1995.3	2036.2	2045.3	2054.4	2118.0	2172.6	2208.9	2222.6	2090.7
62.5°	1763.5	1731.7	1763.5	1790.8	1809.0	1831.7	1877.1	1958.9	1990.7	1995.3	1809.0
65°	1518.1	1504.5	1518.1	1572.6	1577.2	1604.4	1654.4	1713.5	1781.7	1772.6	1504.5
67.5°	1295.3	1295.3	1295.3	1331.7	1359.0	1372.6	1436.3	1463.6	1549.9	1559.0	1254.4
70°	1090.8	1086.3	1090.8	1118.1	1136.2	1168.1	1227.2	1259.0	1327.2	1349.9	1018.1
72.5°	895.4	890.8	895.4	918.1	936.3	963.5	1013.6	1049.9	1109.0	1136.2	790.8
75°	722.7	713.6	722.7	740.9	736.3	772.7	813.6	849.9	904.4	922.6	586.3
77.5°	554.5	554.5	554.5	572.7	572.7	609.1	627.3	672.6	704.5	731.7	431.8
80°	413.6	409.1	413.6	418.1	418.1	436.4	468.2	499.9	527.2	527.2	295.5
82.5°	290.9	281.8	290.9	290.9	290.9	300.0	318.2	327.2	345.4	359.1	186.3
85°	181.8	181.8	181.8	186.3	181.8	190.9	195.4	204.5	204.5	195.4	113.6
87.5°	118.2	113.6	118.2	113.6	113.6	109.0	109.0	109.0	104.6	100.0	63.7
90°	42.4	42.4	42.4	42.4	42.4	56.6	75.5	84.9	73.0	49.2	31.2
92.5°	170.0	136.3	170.0	203.9	212.3	300.9	419.1	478.2	419.8	303.2	215.6
95°	592.7	490.5	592.7	694.9	720.5	946.3	1247.2	1397.6	1180.4	745.9	420.1
97.5°	1420.2	1225.6	1420.2	1614.9	1663.5	1806.1	1996.3	2091.4	1729.1	1004.7	461.4
100°	2046.2	1814.3	2046.2	2278.1	2336.0	2325.7	2311.8	2304.8	1902.8	1098.9	496.0
102.5°	2662.0	2463.5	2662.0	2860.6	2910.3	2728.6	2486.3	2365.1	1957.5	1142.1	530.7
105°	3447.1	3340.4	3447.1	3553.9	3580.6	3173.3	2630.1	2358.4	1963.7	1174.2	582.0
107.5°	3961.5	3987.3	3961.5	3935.6	3929.2	3360.9	2603.2	2224.3	1876.2	1180.1	658.1
110°	4157.6	4268.8	4157.6	4046.4	4018.5	3383.2	2536.2	2112.6	1798.8	1171.2	700.5



TEST NUMBER: P935354

CATALOG NUMBER: SQ4-FA-100U-125D-93050-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	4175.1	4345.9	4175.1	4004.3	3961.6	3311.4	2444.5	2011.0	1731.2	1171.6	751.9
115°	4064.4	4301.2	4064.4	3827.5	3768.3	3141.9	2306.8	1889.2	1653.6	1182.3	829.0
117.5°	3829.6	4092.3	3829.6	3566.9	3501.3	2936.0	2182.2	1805.4	1605.0	1204.4	903.8
120°	3640.4	3895.7	3640.4	3385.3	3321.4	2804.9	2116.2	1771.9	1588.7	1222.3	947.4
122.5°	3456.2	3707.9	3456.2	3204.5	3141.6	2676.4	2056.3	1746.2	1580.1	1248.0	998.8
125°	3193.4	3425.3	3193.4	2961.5	2903.6	2508.5	1981.7	1718.3	1573.1	1282.5	1064.7
127.5°	2957.1	3152.8	2957.1	2761.4	2712.5	2373.3	1921.0	1694.8	1568.9	1317.2	1128.4
130°	2817.8	2998.6	2817.8	2637.1	2591.9	2289.9	1887.2	1685.9	1571.5	1342.5	1170.8
132.5°	2691.5	2853.4	2691.5	2529.6	2489.1	2218.8	1858.2	1678.0	1573.0	1362.9	1205.4
135°	2518.2	2657.8	2518.2	2378.8	2343.8	2117.4	1815.6	1664.7	1571.5	1385.3	1245.6
137.5°	2379.4	2493.6	2379.4	2265.2	2236.7	2045.3	1790.0	1662.4	1581.2	1418.8	1297.0
140°	2284.1	2390.8	2284.1	2177.3	2150.6	1985.3	1764.7	1654.5	1582.8	1439.3	1331.7
142.5°	2205.1	2296.9	2205.1	2113.2	2090.3	1945.1	1751.4	1654.5	1588.5	1456.4	1357.4
145°	2086.7	2156.2	2086.7	2017.1	1999.8	1881.0	1722.6	1643.4	1588.6	1478.8	1396.5
147.5°	1995.8	2053.4	1995.8	1938.3	1923.8	1830.4	1705.7	1643.4	1599.5	1511.6	1445.7
150°	1938.6	1985.3	1938.6	1891.9	1880.2	1801.3	1696.1	1643.4	1605.2	1528.7	1471.4
152.5°	1889.6	1924.9	1889.6	1854.4	1845.6	1778.2	1688.4	1643.4	1608.9	1539.8	1488.1
155°	1833.4	1856.8	1833.4	1810.1	1804.2	1750.6	1679.2	1643.4	1617.1	1564.5	1525.0
157.5°	1789.0	1805.4	1789.0	1772.6	1768.5	1726.8	1671.2	1643.4	1625.3	1589.1	1561.9
160°	1762.4	1771.9	1762.4	1752.9	1750.6	1714.9	1667.3	1643.4	1629.0	1600.2	1578.6
162.5°	1745.1	1754.0	1745.1	1736.1	1733.9	1703.7	1663.5	1643.4	1633.0	1612.1	1596.4
165°	1720.0	1729.4	1720.0	1710.5	1708.2	1686.6	1657.8	1643.4	1638.7	1629.2	1622.1
167.5°	1702.0	1705.9	1702.0	1698.0	1697.1	1682.9	1664.0	1654.5	1650.6	1642.6	1636.7
170°	1697.1	1697.1	1697.1	1697.1	1697.1	1682.9	1664.0	1654.5	1654.3	1653.8	1653.5
172.5°	1683.7	1680.2	1683.7	1687.2	1688.1	1676.9	1662.0	1654.5	1654.5	1654.5	1654.5
175°	1675.8	1675.8	1675.8	1675.8	1675.8	1668.7	1659.3	1654.5	1656.8	1661.3	1664.7
177.5°	1668.6	1664.7	1668.6	1672.5	1673.5	1668.0	1660.5	1656.8	1658.6	1662.1	1664.7
180°	1664.7	1664.7	1664.7	1664.7	1664.7	1664.7	1664.7	1664.7	1664.7	1664.7	1664.7



TEST NUMBER: P935354

CATALOG NUMBER: SQ4-FA-100U-125D-93050-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	4804.2	4804.2	4804.2	4804.2	4804.2	4804.2	4804.2	4804.2	4804.2	4804.2	4804.2
2.5°	4872.4	4845.2	4845.2	4799.7	4781.5	4767.9	4745.2	4676.9	4658.8	4640.6	4667.9
5°	4913.3	4863.3	4826.9	4745.2	4676.9	4649.7	4563.3	4399.7	4290.6	4208.8	4163.4
7.5°	4922.4	4858.8	4790.5	4663.3	4499.7	4427.0	4163.4	3863.4	3781.5	3708.8	3663.3
10°	4913.3	4840.6	4745.2	4554.3	4167.9	4040.6	3777.1	3581.6	3531.6	3517.9	3531.6
12.5°	4881.5	4813.3	4681.5	4363.3	3822.4	3736.1	3581.6	3467.9	3458.9	3481.6	3604.3
15°	4826.9	4763.3	4608.8	4108.8	3631.6	3567.9	3458.9	3417.9	3467.9	3627.0	3995.2
17.5°	4772.4	4699.7	4508.8	3858.8	3486.2	3440.7	3363.4	3445.3	3727.0	3940.6	4063.4
20°	4699.7	4613.3	4395.2	3677.0	3381.6	3340.7	3304.3	3672.5	3886.1	3963.4	4031.5
22.5°	4613.3	4522.4	4240.6	3549.7	3272.5	3240.7	3263.4	3799.7	3886.1	3940.6	3999.7
25°	4499.7	4422.4	4058.8	3449.7	3186.1	3149.8	3236.1	3786.1	3836.1	3849.8	3967.9
27.5°	4395.2	4295.2	3867.9	3358.9	3081.6	3068.0	3258.8	3727.0	3763.4	3777.1	3904.3
30°	4267.9	4117.9	3654.3	3263.4	2972.5	2968.0	3263.4	3654.3	3645.2	3681.5	3808.8
32.5°	4136.1	3854.3	3413.4	3145.2	2868.0	2863.5	3231.6	3545.2	3536.1	3586.1	3681.5
35°	4013.3	3649.7	3086.1	3008.9	2736.2	2740.7	3154.4	3417.9	3422.5	3467.9	3527.0
37.5°	3886.1	3472.5	2727.1	2858.9	2608.9	2608.9	3049.8	3299.8	3290.7	3304.3	3386.2
40°	3736.1	3195.2	2408.9	2663.5	2490.8	2477.1	2922.6	3172.5	3140.7	3136.2	3249.8
42.5°	3577.0	2890.7	2172.6	2404.4	2354.4	2336.2	2767.9	3018.0	2958.9	2972.5	3117.9
45°	3404.3	2808.9	1990.7	2031.6	2213.5	2199.9	2599.8	2840.7	2799.8	2836.2	2986.1
47.5°	3231.6	2645.3	1931.7	1686.2	2063.5	2058.9	2413.5	2668.0	2645.3	2681.6	2840.7
50°	2995.3	2463.5	1927.2	1445.4	1895.3	1913.5	2190.7	2499.8	2499.8	2531.7	2699.8
52.5°	2690.7	2240.8	1749.9	1309.0	1699.8	1754.5	1995.3	2354.4	2363.4	2395.3	2545.3
55°	2413.5	2009.0	1622.6	1204.5	1468.0	1586.2	1804.4	2204.3	2222.6	2254.4	2390.8
57.5°	2159.0	1672.6	1595.4	1081.7	1254.4	1368.1	1636.3	2058.9	2068.1	2095.3	2227.1
60°	1886.2	1209.0	1463.6	949.9	1068.1	1154.5	1481.7	1886.2	1918.0	1936.2	2049.8
62.5°	1577.2	877.2	1327.2	859.1	977.2	995.4	1354.4	1722.6	1763.5	1777.1	1845.3
65°	1122.6	736.3	1127.2	781.8	881.8	886.3	1218.1	1554.4	1590.8	1613.5	1663.5
67.5°	759.0	599.9	859.1	709.0	809.0	813.6	1086.3	1359.0	1409.0	1427.2	1459.0
70°	527.2	399.9	636.3	631.7	727.3	736.3	945.4	1181.7	1227.2	1240.8	1259.0
72.5°	386.3	322.7	527.2	568.2	640.9	650.0	800.0	981.7	1027.2	1040.8	1049.9
75°	295.5	340.8	427.2	495.4	545.4	550.0	654.5	800.0	831.7	840.9	845.4
77.5°	236.4	318.2	313.6	399.9	445.4	436.4	513.6	618.1	645.4	645.4	645.4
80°	177.3	250.0	236.4	286.3	327.2	318.2	368.2	440.9	450.0	459.0	454.5
82.5°	131.8	159.1	159.1	181.8	218.2	209.1	245.4	286.3	286.3	286.3	295.5
85°	81.8	90.9	72.7	95.4	122.7	118.2	136.4	154.5	159.1	159.1	150.0
87.5°	50.0	40.9	22.7	36.3	54.5	54.5	63.7	68.1	63.7	63.7	63.7
90°	29.0	20.1	11.2	20.1	29.0	31.2	49.2	73.0	84.9	75.5	56.6
92.5°	196.6	120.6	44.7	120.6	196.6	215.6	303.2	419.8	478.2	419.1	300.9
95°	385.3	246.3	107.3	246.3	385.3	420.1	745.9	1180.4	1397.6	1247.2	946.3
97.5°	430.7	308.1	185.4	308.1	430.7	461.4	1004.7	1729.1	2091.4	1996.3	1806.1
100°	468.2	357.0	245.8	357.0	468.2	496.0	1098.9	1902.8	2304.8	2311.8	2325.7
102.5°	504.7	400.9	297.2	400.9	504.7	530.7	1142.1	1957.5	2365.1	2486.3	2728.6
105°	560.1	472.2	384.4	472.2	560.1	582.0	1174.2	1963.7	2358.4	2630.1	3173.3
107.5°	637.6	555.6	473.7	555.6	637.6	658.1	1180.1	1876.2	2224.3	2603.2	3360.9
110°	682.0	608.0	534.1	608.0	682.0	700.5	1171.2	1798.8	2112.6	2536.2	3383.2



TEST NUMBER: P935354

CATALOG NUMBER: SQ4-FA-100U-125D-93050-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	734.2	663.8	593.2	663.8	734.2	751.9	1171.6	1731.2	2011.0	2444.5	3311.4
115°	812.7	747.7	682.6	747.7	812.7	829.0	1182.3	1653.6	1889.2	2306.8	3141.9
117.5°	889.0	830.0	770.9	830.0	889.0	903.8	1204.4	1605.0	1805.4	2182.2	2936.0
120°	933.5	877.9	822.3	877.9	933.5	947.4	1222.3	1588.7	1771.9	2116.2	2804.9
122.5°	984.8	928.7	872.6	928.7	984.8	998.8	1248.0	1580.1	1746.2	2056.3	2676.4
125°	1051.9	1000.8	949.7	1000.8	1051.9	1064.7	1282.5	1573.1	1718.3	1981.7	2508.5
127.5°	1115.5	1063.8	1012.2	1063.8	1115.5	1128.4	1317.2	1568.9	1694.8	1921.0	2373.3
130°	1156.9	1101.3	1045.7	1101.3	1156.9	1170.8	1342.5	1571.5	1685.9	1887.2	2289.9
132.5°	1191.6	1136.0	1080.4	1136.0	1191.6	1205.4	1362.9	1573.0	1678.0	1858.2	2218.8
135°	1233.0	1182.3	1131.8	1182.3	1233.0	1245.6	1385.3	1571.5	1664.7	1815.6	2117.4
137.5°	1284.5	1234.4	1184.2	1234.4	1284.5	1297.0	1418.8	1581.2	1662.4	1790.0	2045.3
140°	1320.1	1274.0	1227.8	1274.0	1320.1	1331.7	1439.3	1582.8	1654.5	1764.7	1985.3
142.5°	1346.7	1304.0	1261.3	1304.0	1346.7	1357.4	1456.4	1588.5	1654.5	1751.4	1945.1
145°	1387.2	1350.0	1312.7	1350.0	1387.2	1396.5	1478.8	1588.6	1643.4	1722.6	1881.0
147.5°	1436.6	1400.4	1364.1	1400.4	1436.6	1445.7	1511.6	1599.5	1643.4	1705.7	1830.4
150°	1463.1	1430.4	1397.6	1430.4	1463.1	1471.4	1528.7	1605.2	1643.4	1696.1	1801.3
152.5°	1481.9	1457.0	1432.2	1457.0	1481.9	1488.1	1539.8	1608.9	1643.4	1688.4	1778.2
155°	1520.4	1502.0	1483.6	1502.0	1520.4	1525.0	1564.5	1617.1	1643.4	1679.2	1750.6
157.5°	1557.4	1539.5	1521.6	1539.5	1557.4	1561.9	1589.1	1625.3	1643.4	1671.2	1726.8
160°	1575.1	1561.2	1547.3	1561.2	1575.1	1578.6	1600.2	1629.0	1643.4	1667.3	1714.9
162.5°	1593.8	1583.4	1573.0	1583.4	1593.8	1596.4	1612.1	1633.0	1643.4	1663.5	1703.7
165°	1619.8	1610.3	1600.9	1610.3	1619.8	1622.1	1629.2	1638.7	1643.4	1657.8	1686.6
167.5°	1635.6	1631.1	1626.6	1631.1	1635.6	1636.7	1642.6	1650.6	1654.5	1664.0	1682.9
170°	1652.4	1647.9	1643.4	1647.9	1652.4	1653.5	1653.8	1654.3	1654.5	1664.0	1682.9
172.5°	1654.3	1653.3	1652.3	1653.3	1654.3	1654.5	1654.5	1654.5	1654.5	1662.0	1676.9
175°	1664.7	1664.7	1664.7	1664.7	1664.7	1664.7	1661.3	1656.8	1654.5	1659.3	1668.7
177.5°	1664.7	1664.7	1664.7	1664.7	1664.7	1664.7	1662.1	1658.6	1656.8	1660.5	1668.0
180°	1664.7	1664.7	1664.7	1664.7	1664.7	1664.7	1664.7	1664.7	1664.7	1664.7	1664.7



TEST NUMBER: P935354

CATALOG NUMBER: SQ4-FA-100U-125D-93050-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	4804.2	4804.2	4804.2	4804.2	4804.2	4804.2	4804.2	4804.2	4804.2	4804.2	4804.2
2.5°	4636.0	4622.4	4640.6	4590.6	4640.6	4622.4	4636.0	4667.9	4640.6	4658.8	4676.9
5°	4067.9	4045.2	3972.4	3913.4	3972.4	4045.2	4067.9	4163.4	4208.8	4290.6	4399.7
7.5°	3636.1	3618.0	3599.8	3563.4	3599.8	3618.0	3636.1	3663.3	3708.8	3781.5	3863.4
10°	3540.7	3545.2	3572.5	3567.9	3572.5	3545.2	3540.7	3531.6	3517.9	3531.6	3581.6
12.5°	3786.1	3827.0	3977.0	3967.9	3977.0	3827.0	3786.1	3604.3	3481.6	3458.9	3467.9
15°	4067.9	4081.5	4113.3	4117.9	4113.3	4081.5	4067.9	3995.2	3627.0	3467.9	3417.9
17.5°	4095.2	4099.7	4122.5	4122.5	4122.5	4099.7	4095.2	4063.4	3940.6	3727.0	3445.3
20°	4072.4	4081.5	4127.0	4136.1	4127.0	4081.5	4072.4	4031.5	3963.4	3886.1	3672.5
22.5°	4063.4	4081.5	4117.9	4113.3	4117.9	4081.5	4063.4	3999.7	3940.6	3886.1	3799.7
25°	4017.9	4017.9	4022.5	4027.0	4022.5	4017.9	4017.9	3967.9	3849.8	3836.1	3786.1
27.5°	3922.5	3931.6	3958.8	3954.2	3958.8	3931.6	3922.5	3904.3	3777.1	3763.4	3727.0
30°	3836.1	3827.0	3804.3	3786.1	3804.3	3827.0	3836.1	3808.8	3681.5	3645.2	3654.3
32.5°	3690.7	3667.9	3645.2	3631.6	3645.2	3667.9	3690.7	3681.5	3586.1	3536.1	3545.2
35°	3517.9	3522.5	3517.9	3504.3	3517.9	3522.5	3517.9	3527.0	3467.9	3422.5	3417.9
37.5°	3395.2	3404.3	3399.8	3381.6	3399.8	3404.3	3395.2	3386.2	3304.3	3290.7	3299.8
40°	3268.0	3272.5	3268.0	3254.3	3268.0	3272.5	3268.0	3249.8	3136.2	3140.7	3172.5
42.5°	3145.2	3140.7	3127.1	3117.9	3127.1	3140.7	3145.2	3117.9	2972.5	2958.9	3018.0
45°	3004.3	3008.9	2981.6	2968.0	2981.6	3008.9	3004.3	2986.1	2836.2	2799.8	2840.7
47.5°	2863.5	2863.5	2840.7	2827.0	2840.7	2863.5	2863.5	2840.7	2681.6	2645.3	2668.0
50°	2713.4	2708.9	2677.1	2672.5	2677.1	2708.9	2713.4	2699.8	2531.7	2499.8	2499.8
52.5°	2540.7	2540.7	2545.3	2554.3	2545.3	2540.7	2540.7	2545.3	2395.3	2363.4	2354.4
55°	2390.8	2395.3	2427.1	2436.2	2427.1	2395.3	2390.8	2390.8	2254.4	2222.6	2204.3
57.5°	2236.2	2236.2	2259.0	2259.0	2259.0	2236.2	2236.2	2227.1	2095.3	2068.1	2058.9
60°	2058.9	2068.1	2086.3	2081.7	2086.3	2068.1	2058.9	2049.8	1936.2	1918.0	1886.2
62.5°	1872.6	1881.7	1886.2	1877.1	1886.2	1881.7	1872.6	1845.3	1777.1	1763.5	1722.6
65°	1677.2	1686.2	1690.8	1681.7	1690.8	1686.2	1677.2	1663.5	1613.5	1590.8	1554.4
67.5°	1477.2	1472.6	1468.0	1486.2	1468.0	1472.6	1477.2	1459.0	1427.2	1409.0	1359.0
70°	1272.6	1272.6	1268.1	1277.2	1268.1	1272.6	1272.6	1259.0	1240.8	1227.2	1181.7
72.5°	1054.5	1049.9	1068.1	1054.5	1068.1	1049.9	1054.5	1049.9	1040.8	1027.2	981.7
75°	840.9	849.9	840.9	854.5	840.9	849.9	840.9	845.4	840.9	831.7	800.0
77.5°	640.9	650.0	640.9	640.9	640.9	650.0	640.9	645.4	645.4	645.4	618.1
80°	454.5	450.0	450.0	445.4	450.0	450.0	454.5	454.5	459.0	450.0	440.9
82.5°	290.9	286.3	286.3	295.5	286.3	286.3	290.9	295.5	286.3	286.3	286.3
85°	159.1	163.7	154.5	154.5	154.5	163.7	159.1	150.0	159.1	159.1	154.5
87.5°	59.1	54.5	54.5	54.5	54.5	54.5	59.1	63.7	63.7	63.7	68.1
90°	42.4	42.4	42.4	42.4	42.4	42.4	42.4	56.6	75.5	84.9	73.0
92.5°	212.3	203.9	170.0	136.3	170.0	203.9	212.3	300.9	419.1	478.2	419.8
95°	720.5	694.9	592.7	490.5	592.7	694.9	720.5	946.3	1247.2	1397.6	1180.4
97.5°	1663.5	1614.9	1420.2	1225.6	1420.2	1614.9	1663.5	1806.1	1996.3	2091.4	1729.1
100°	2336.0	2278.1	2046.2	1814.3	2046.2	2278.1	2336.0	2325.7	2311.8	2304.8	1902.8
102.5°	2910.3	2860.6	2662.0	2463.5	2662.0	2860.6	2910.3	2728.6	2486.3	2365.1	1957.5
105°	3580.6	3553.9	3447.1	3340.4	3447.1	3553.9	3580.6	3173.3	2630.1	2358.4	1963.7
107.5°	3929.2	3935.6	3961.5	3987.3	3961.5	3935.6	3929.2	3360.9	2603.2	2224.3	1876.2
110°	4018.5	4046.4	4157.6	4268.8	4157.6	4046.4	4018.5	3383.2	2536.2	2112.6	1798.8



TEST NUMBER: P935354

CATALOG NUMBER: SQ4-FA-100U-125D-93050-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3961.6	4004.3	4175.1	4345.9	4175.1	4004.3	3961.6	3311.4	2444.5	2011.0	1731.2
115°	3768.3	3827.5	4064.4	4301.2	4064.4	3827.5	3768.3	3141.9	2306.8	1889.2	1653.6
117.5°	3501.3	3566.9	3829.6	4092.3	3829.6	3566.9	3501.3	2936.0	2182.2	1805.4	1605.0
120°	3321.4	3385.3	3640.4	3895.7	3640.4	3385.3	3321.4	2804.9	2116.2	1771.9	1588.7
122.5°	3141.6	3204.5	3456.2	3707.9	3456.2	3204.5	3141.6	2676.4	2056.3	1746.2	1580.1
125°	2903.6	2961.5	3193.4	3425.3	3193.4	2961.5	2903.6	2508.5	1981.7	1718.3	1573.1
127.5°	2712.5	2761.4	2957.1	3152.8	2957.1	2761.4	2712.5	2373.3	1921.0	1694.8	1568.9
130°	2591.9	2637.1	2817.8	2998.6	2817.8	2637.1	2591.9	2289.9	1887.2	1685.9	1571.5
132.5°	2489.1	2529.6	2691.5	2853.4	2691.5	2529.6	2489.1	2218.8	1858.2	1678.0	1573.0
135°	2343.8	2378.8	2518.2	2657.8	2518.2	2378.8	2343.8	2117.4	1815.6	1664.7	1571.5
137.5°	2236.7	2265.2	2379.4	2493.6	2379.4	2265.2	2236.7	2045.3	1790.0	1662.4	1581.2
140°	2150.6	2177.3	2284.1	2390.8	2284.1	2177.3	2150.6	1985.3	1764.7	1654.5	1582.8
142.5°	2090.3	2113.2	2205.1	2296.9	2205.1	2113.2	2090.3	1945.1	1751.4	1654.5	1588.5
145°	1999.8	2017.1	2086.7	2156.2	2086.7	2017.1	1999.8	1881.0	1722.6	1643.4	1588.6
147.5°	1923.8	1938.3	1995.8	2053.4	1995.8	1938.3	1923.8	1830.4	1705.7	1643.4	1599.5
150°	1880.2	1891.9	1938.6	1985.3	1938.6	1891.9	1880.2	1801.3	1696.1	1643.4	1605.2
152.5°	1845.6	1854.4	1889.6	1924.9	1889.6	1854.4	1845.6	1778.2	1688.4	1643.4	1608.9
155°	1804.2	1810.1	1833.4	1856.8	1833.4	1810.1	1804.2	1750.6	1679.2	1643.4	1617.1
157.5°	1768.5	1772.6	1789.0	1805.4	1789.0	1772.6	1768.5	1726.8	1671.2	1643.4	1625.3
160°	1750.6	1752.9	1762.4	1771.9	1762.4	1752.9	1750.6	1714.9	1667.3	1643.4	1629.0
162.5°	1733.9	1736.1	1745.1	1754.0	1745.1	1736.1	1733.9	1703.7	1663.5	1643.4	1633.0
165°	1708.2	1710.5	1720.0	1729.4	1720.0	1710.5	1708.2	1686.6	1657.8	1643.4	1638.7
167.5°	1697.1	1698.0	1702.0	1705.9	1702.0	1698.0	1697.1	1682.9	1664.0	1654.5	1650.6
170°	1697.1	1697.1	1697.1	1697.1	1697.1	1697.1	1697.1	1682.9	1664.0	1654.5	1654.3
172.5°	1688.1	1687.2	1683.7	1680.2	1683.7	1687.2	1688.1	1676.9	1662.0	1654.5	1654.5
175°	1675.8	1675.8	1675.8	1675.8	1675.8	1675.8	1675.8	1668.7	1659.3	1654.5	1656.8
177.5°	1673.5	1672.5	1668.6	1664.7	1668.6	1672.5	1673.5	1668.0	1660.5	1656.8	1658.6
180°	1664.7	1664.7	1664.7	1664.7	1664.7	1664.7	1664.7	1664.7	1664.7	1664.7	1664.7



TEST NUMBER: P935354

CATALOG NUMBER: SQ4-FA-100U-125D-93050-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	4804.2	4804.2	4804.2	4804.2	4804.2
2.5°	4745.2	4767.9	4781.5	4799.7	4845.2
5°	4563.3	4649.7	4676.9	4745.2	4826.9
7.5°	4163.4	4427.0	4499.7	4663.3	4790.5
10°	3777.1	4040.6	4167.9	4554.3	4745.2
12.5°	3581.6	3736.1	3822.4	4363.3	4681.5
15°	3458.9	3567.9	3631.6	4108.8	4608.8
17.5°	3363.4	3440.7	3486.2	3858.8	4508.8
20°	3304.3	3340.7	3381.6	3677.0	4395.2
22.5°	3263.4	3240.7	3272.5	3549.7	4240.6
25°	3236.1	3149.8	3186.1	3449.7	4058.8
27.5°	3258.8	3068.0	3081.6	3358.9	3867.9
30°	3263.4	2968.0	2972.5	3263.4	3654.3
32.5°	3231.6	2863.5	2868.0	3145.2	3413.4
35°	3154.4	2740.7	2736.2	3008.9	3086.1
37.5°	3049.8	2608.9	2608.9	2858.9	2727.1
40°	2922.6	2477.1	2490.8	2663.5	2408.9
42.5°	2767.9	2336.2	2354.4	2404.4	2172.6
45°	2599.8	2199.9	2213.5	2031.6	1990.7
47.5°	2413.5	2058.9	2063.5	1686.2	1931.7
50°	2190.7	1913.5	1895.3	1445.4	1927.2
52.5°	1995.3	1754.5	1699.8	1309.0	1749.9
55°	1804.4	1586.2	1468.0	1204.5	1622.6
57.5°	1636.3	1368.1	1254.4	1081.7	1595.4
60°	1481.7	1154.5	1068.1	949.9	1463.6
62.5°	1354.4	995.4	977.2	859.1	1327.2
65°	1218.1	886.3	881.8	781.8	1127.2
67.5°	1086.3	813.6	809.0	709.0	859.1
70°	945.4	736.3	727.3	631.7	636.3
72.5°	800.0	650.0	640.9	568.2	527.2
75°	654.5	550.0	545.4	495.4	427.2
77.5°	513.6	436.4	445.4	399.9	313.6
80°	368.2	318.2	327.2	286.3	236.4
82.5°	245.4	209.1	218.2	181.8	159.1
85°	136.4	118.2	122.7	95.4	72.7
87.5°	63.7	54.5	54.5	36.3	22.7
90°	49.2	31.2	29.0	20.1	11.2
92.5°	303.2	215.6	196.6	120.6	44.7
95°	745.9	420.1	385.3	246.3	107.3
97.5°	1004.7	461.4	430.7	308.1	185.4
100°	1098.9	496.0	468.2	357.0	245.8
102.5°	1142.1	530.7	504.7	400.9	297.2
105°	1174.2	582.0	560.1	472.2	384.4
107.5°	1180.1	658.1	637.6	555.6	473.7
110°	1171.2	700.5	682.0	608.0	534.1



TEST NUMBER: P935354

CATALOG NUMBER: SQ4-FA-100U-125D-93050-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1171.6	751.9	734.2	663.8	593.2
115°	1182.3	829.0	812.7	747.7	682.6
117.5°	1204.4	903.8	889.0	830.0	770.9
120°	1222.3	947.4	933.5	877.9	822.3
122.5°	1248.0	998.8	984.8	928.7	872.6
125°	1282.5	1064.7	1051.9	1000.8	949.7
127.5°	1317.2	1128.4	1115.5	1063.8	1012.2
130°	1342.5	1170.8	1156.9	1101.3	1045.7
132.5°	1362.9	1205.4	1191.6	1136.0	1080.4
135°	1385.3	1245.6	1233.0	1182.3	1131.8
137.5°	1418.8	1297.0	1284.5	1234.4	1184.2
140°	1439.3	1331.7	1320.1	1274.0	1227.8
142.5°	1456.4	1357.4	1346.7	1304.0	1261.3
145°	1478.8	1396.5	1387.2	1350.0	1312.7
147.5°	1511.6	1445.7	1436.6	1400.4	1364.1
150°	1528.7	1471.4	1463.1	1430.4	1397.6
152.5°	1539.8	1488.1	1481.9	1457.0	1432.2
155°	1564.5	1525.0	1520.4	1502.0	1483.6
157.5°	1589.1	1561.9	1557.4	1539.5	1521.6
160°	1600.2	1578.6	1575.1	1561.2	1547.3
162.5°	1612.1	1596.4	1593.8	1583.4	1573.0
165°	1629.2	1622.1	1619.8	1610.3	1600.9
167.5°	1642.6	1636.7	1635.6	1631.1	1626.6
170°	1653.8	1653.5	1652.4	1647.9	1643.4
172.5°	1654.5	1654.5	1654.3	1653.3	1652.3
175°	1661.3	1664.7	1664.7	1664.7	1664.7
177.5°	1662.1	1664.7	1664.7	1664.7	1664.7
180°	1664.7	1664.7	1664.7	1664.7	1664.7



TEST NUMBER: P935354
 CATALOG NUMBER: SQ4-FA-100U-125D-93050-1D-UNV-STD-W-12-3500K

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	14.51	15.41	15.44	16.35	17.57	17.37	18.26	18.29	19.20	20.42
	3H	14.99	15.80	15.93	16.75	17.99	18.72	19.52	19.66	20.47	21.72
	4H	15.19	15.94	16.14	16.90	18.15	19.17	19.93	20.12	20.89	22.14
	6H	15.31	16.01	16.27	16.97	18.23	19.46	20.16	20.43	21.12	22.39
	8H	15.31	15.97	16.28	16.95	18.22	19.54	20.21	20.51	21.19	22.45
	12H	15.28	15.91	16.26	16.89	18.18	19.58	20.22	20.56	21.19	22.48
4H	2H	15.56	16.31	16.51	17.27	18.52	17.78	18.54	18.74	19.49	20.75
	3H	16.59	17.22	17.55	18.21	19.47	19.29	19.93	20.26	20.91	22.18
	4H	16.86	17.44	17.84	18.42	19.71	19.83	20.40	20.80	21.39	22.68
	6H	16.99	17.49	17.98	18.49	19.78	20.20	20.70	21.19	21.70	22.99
	8H	17.00	17.46	17.99	18.46	19.76	20.31	20.77	21.30	21.77	23.08
	12H	16.97	17.38	17.98	18.40	19.71	20.37	20.79	21.38	21.81	23.11
8H	4H	17.32	17.79	18.31	18.79	20.09	19.95	20.42	20.94	21.42	22.72
	6H	17.59	17.97	18.60	19.01	20.31	20.40	20.78	21.41	21.82	23.12
	8H	17.63	17.97	18.65	18.99	20.31	20.55	20.89	21.58	21.92	23.24
	12H	17.61	17.91	18.64	18.93	20.30	20.66	20.95	21.68	21.98	23.34
12H	4H	17.33	17.75	18.34	18.77	20.07	19.92	20.34	20.93	21.35	22.66
	6H	17.65	17.99	18.67	19.01	20.33	20.39	20.73	21.42	21.76	23.08
	8H	17.72	18.01	18.74	19.04	20.40	20.56	20.86	21.59	21.88	23.24