

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: P935326

Luminaire Tested: SQ4-FA-100U-125D-92765-1D-UNV-STD-W-12-3000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935326
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-92765-1D-UNV-STD-W-12-3000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

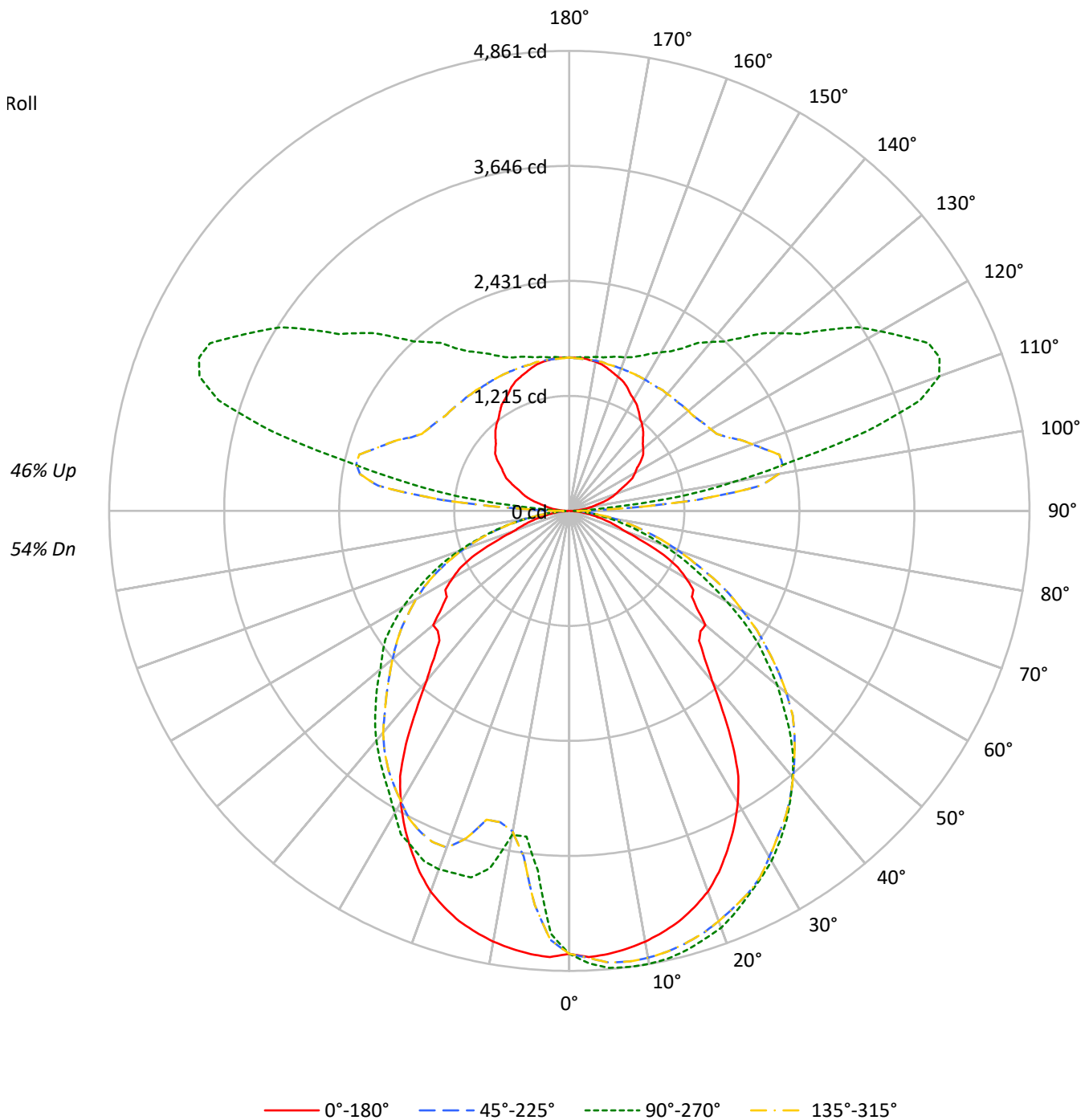
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22649.4 lumens
Efficiency: N/A
Efficacy: 109.7 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: P935326
CATALOG NUMBER: SQ4-FA-100U-125D-92765-1D-UNV-STD-W-12-3000K

Luminous Intensity Polar Plot





TEST NUMBER: P935326

CATALOG NUMBER: SQ4-FA-100U-125D-92765-1D-UNV-STD-W-12-3000K

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	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°	14473	14473	14473	14473
5°	14587	14610	14587	11488
10°	14495	14392	14495	10289
15°	14343	14080	14343	11757
20°	14048	13711	14048	11781
25°	13440	13172	13440	11532
30°	12651	12725	12651	10984
35°	11284	12159	11284	10381
40°	9408	11493	9408	9926
45°	8412	10713	8412	9403
50°	8944	9783	8944	8877
55°	8422	8782	8422	8574
60°	8693	7458	8693	7853
65°	7894	6166	7894	6891
70°	5480	4913	5480	5777
75°	4823	3632	4823	4349
80°	3915	2401	3915	2614
85°	2294	1272	2294	1081

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 12884 cd/sqm



TEST NUMBER: P935326

CATALOG NUMBER: SQ4-FA-100U-125D-92765-1D-UNV-STD-W-12-3000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	422.4	1.9
10°-20°	1199.3	5.3
20°-30°	1853.9	8.2
30°-40°	2213.1	9.8
40°-50°	2226.1	9.8
50°-60°	1937.0	8.6
60°-70°	1373.3	6.1
70°-80°	726.6	3.2
80°-90°	187.1	0.8
90°-100°	790.3	3.5
100°-110°	2077.8	9.2
110°-120°	2154.5	9.5
120°-130°	1728.2	7.6
130°-140°	1356.0	6.0
140°-150°	1040.8	4.6
150°-160°	749.5	3.3
160°-170°	458.6	2.0
170°-180°	154.9	0.7
0°-30°	3475.5	15.3
0°-40°	5688.7	25.1
0°-60°	9851.7	43.5
0°-90°	12138.8	53.6
90°-120°	5022.6	22.2
90°-150°	9147.5	40.4
90°-180°	10511.0	46.4
0°-180°	22649.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	4679	4679	4679	4679	4679	
5°	4701	4848	4701	3812	4701	446
15°	4489	4803	4489	4011	4489	1263
25°	3953	4480	3953	3922	3953	1815
35°	3006	3998	3006	3413	3006	1860
45°	1939	3294	1939	2891	1939	1553
55°	1580	2430	1580	2373	1580	1452
65°	1098	1465	1098	1638	1098	1049
75°	416	695	416	832	416	438
85°	71	177	71	150	71	96
90°	11	41	11	41	11	12
95°	104	478	104	478	104	116
105°	374	3254	374	3254	374	397
115°	665	4189	665	4189	665	657
125°	925	3336	925	3336	925	821
135°	1102	2589	1102	2589	1102	853
145°	1279	2100	1279	2100	1279	801
155°	1445	1808	1445	1808	1445	664
165°	1559	1684	1559	1684	1559	440
175°	1621	1632	1621	1632	1621	154
180°	1621	1621	1621	1621	1621	



TEST NUMBER: P935326

CATALOG NUMBER: SQ4-FA-100U-125D-92765-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	4679.3	4679.3	4679.3	4679.3	4679.3	4679.3	4679.3	4679.3	4679.3	4679.3	4679.3
2.5°	4719.2	4719.2	4745.7	4754.6	4754.6	4741.2	4728.0	4741.2	4781.1	4794.4	4790.0
5°	4701.4	4736.9	4785.5	4794.4	4803.3	4798.8	4790.0	4798.8	4843.1	4852.0	4856.4
7.5°	4666.0	4732.4	4794.4	4807.7	4821.0	4807.7	4803.3	4812.1	4856.4	4865.3	4865.3
10°	4621.8	4714.7	4785.5	4794.4	4807.7	4794.4	4794.4	4812.1	4856.4	4865.3	4869.7
12.5°	4559.8	4688.1	4754.6	4763.4	4781.1	4776.7	4772.3	4790.0	4834.2	4843.1	4843.1
15°	4489.0	4639.5	4701.4	4710.3	4741.2	4732.4	4732.4	4750.1	4798.8	4812.1	4807.7
17.5°	4391.6	4577.5	4648.3	4661.6	4683.7	4679.3	4683.7	4701.4	4745.7	4754.6	4759.0
20°	4280.9	4493.3	4577.5	4590.7	4612.9	4612.9	4612.9	4635.0	4679.3	4697.0	4697.0
22.5°	4130.4	4404.8	4493.3	4502.2	4528.8	4528.8	4537.6	4568.6	4608.4	4612.9	4612.9
25°	3953.3	4307.4	4382.7	4409.3	4435.9	4449.1	4462.4	4480.1	4493.3	4489.0	4493.3
27.5°	3767.4	4183.5	4280.9	4298.6	4334.0	4347.3	4365.0	4369.4	4373.9	4387.1	4378.3
30°	3559.3	4010.8	4156.9	4174.6	4232.2	4241.1	4223.3	4232.2	4254.3	4263.2	4272.0
32.5°	3324.6	3754.1	4028.5	4068.4	4121.5	4095.0	4090.5	4103.8	4139.2	4139.2	4148.1
35°	3005.9	3554.8	3909.0	3944.4	3984.2	3953.3	3971.0	3975.4	3997.6	4010.8	4006.4
37.5°	2656.2	3382.2	3785.1	3811.7	3842.6	3802.8	3829.4	3842.6	3860.3	3851.4	3851.4
40°	2346.3	3112.1	3639.0	3656.7	3683.2	3652.3	3678.8	3687.7	3696.6	3687.7	3683.2
42.5°	2116.1	2815.5	3484.0	3506.2	3488.5	3510.5	3519.4	3537.1	3523.9	3506.2	3506.2
45°	1939.0	2735.8	3315.8	3342.3	3315.8	3351.2	3364.5	3364.5	3324.6	3315.8	3311.4
47.5°	1881.5	2576.5	3147.6	3147.6	3134.3	3178.6	3200.7	3169.7	3129.9	3116.6	3116.6
50°	1877.1	2399.4	2917.4	2899.7	2961.6	3014.8	2992.6	2961.6	2930.6	2882.0	2882.0
52.5°	1704.4	2182.5	2620.7	2687.2	2784.6	2815.5	2780.1	2749.2	2696.0	2673.9	2656.2
55°	1580.4	1956.8	2350.7	2483.6	2585.3	2625.2	2558.8	2527.8	2448.1	2434.8	2426.0
57.5°	1553.9	1629.1	2102.8	2271.0	2395.0	2390.6	2350.7	2293.2	2226.7	2213.5	2209.0
60°	1425.5	1177.6	1837.2	2036.4	2164.8	2151.5	2116.1	2063.0	2001.0	1992.2	1983.3
62.5°	1292.7	854.4	1536.2	1761.9	1943.4	1939.0	1908.0	1828.3	1784.1	1761.9	1744.2
65°	1097.9	717.2	1093.4	1465.4	1726.5	1735.3	1669.0	1611.4	1562.7	1536.2	1531.7
67.5°	836.7	584.3	739.3	1221.8	1518.5	1509.6	1425.5	1398.9	1336.9	1323.7	1297.1
70°	619.8	389.5	513.5	991.7	1314.8	1292.7	1226.3	1195.3	1137.7	1106.7	1089.0
72.5°	513.5	314.3	376.3	770.3	1106.7	1080.2	1022.6	987.2	938.5	912.0	894.3
75°	416.1	332.0	287.8	571.1	898.6	880.9	827.8	792.4	752.6	717.2	721.6
77.5°	305.5	309.9	230.2	420.6	712.7	686.2	655.2	610.9	593.2	557.8	557.8
80°	230.2	243.5	172.7	287.8	513.5	513.5	486.9	456.0	425.0	407.2	407.2
82.5°	155.0	155.0	128.4	181.5	349.8	336.4	318.7	309.9	292.2	283.3	283.3
85°	70.8	88.5	79.7	110.7	190.4	199.2	199.2	190.4	185.9	177.1	181.5
87.5°	22.1	39.9	48.7	62.0	97.4	101.9	106.2	106.2	106.2	110.7	110.7
90°	10.9	19.6	28.3	30.4	47.9	71.1	82.7	73.5	55.1	41.3	41.3
92.5°	43.5	117.5	191.5	210.0	295.3	408.9	465.8	408.2	293.1	206.8	198.6
95°	104.5	239.9	375.3	409.2	726.5	1149.7	1361.2	1214.7	921.7	701.8	676.9
97.5°	180.6	300.1	419.5	449.4	978.6	1684.2	2037.0	1944.4	1759.2	1620.2	1572.9
100°	239.4	347.7	456.0	483.1	1070.3	1853.3	2244.9	2251.7	2265.2	2275.3	2218.9
102.5°	289.4	390.5	491.6	516.9	1112.5	1906.6	2303.7	2421.6	2657.6	2834.6	2786.2
105°	374.4	459.9	545.5	566.9	1143.7	1912.6	2297.1	2561.7	3090.8	3487.5	3461.5
107.5°	461.4	541.2	621.0	640.9	1149.4	1827.4	2166.5	2535.5	3273.5	3827.0	3833.3
110°	520.2	592.2	664.2	682.3	1140.7	1752.0	2057.7	2470.2	3295.2	3914.0	3941.2



TEST NUMBER: P935326

CATALOG NUMBER: SQ4-FA-100U-125D-92765-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P935326

CATALOG NUMBER: SQ4-FA-100U-125D-92765-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	4679.3	4679.3	4679.3	4679.3	4679.3	4679.3	4679.3	4679.3	4679.3	4679.3	4679.3
2.5°	4798.8	4785.5	4798.8	4790.0	4794.4	4781.1	4741.2	4728.0	4741.2	4754.6	4754.6
5°	4856.4	4847.5	4856.4	4856.4	4852.0	4843.1	4798.8	4790.0	4798.8	4803.3	4794.4
7.5°	4874.1	4860.8	4874.1	4865.3	4865.3	4856.4	4812.1	4803.3	4807.7	4821.0	4807.7
10°	4874.1	4860.8	4874.1	4869.7	4865.3	4856.4	4812.1	4794.4	4794.4	4807.7	4794.4
12.5°	4852.0	4843.1	4852.0	4843.1	4843.1	4834.2	4790.0	4772.3	4776.7	4781.1	4763.4
15°	4816.5	4803.3	4816.5	4807.7	4812.1	4798.8	4750.1	4732.4	4732.4	4741.2	4710.3
17.5°	4763.4	4745.7	4763.4	4759.0	4754.6	4745.7	4701.4	4683.7	4679.3	4683.7	4661.6
20°	4701.4	4688.1	4701.4	4697.0	4697.0	4679.3	4635.0	4612.9	4612.9	4612.9	4590.7
22.5°	4604.1	4590.7	4604.1	4612.9	4612.9	4608.4	4568.6	4537.6	4528.8	4528.8	4502.2
25°	4493.3	4480.1	4493.3	4493.3	4489.0	4493.3	4480.1	4462.4	4449.1	4435.9	4409.3
27.5°	4387.1	4378.3	4387.1	4378.3	4387.1	4373.9	4369.4	4365.0	4347.3	4334.0	4298.6
30°	4280.9	4272.0	4280.9	4272.0	4263.2	4254.3	4232.2	4223.3	4241.1	4232.2	4174.6
32.5°	4148.1	4139.2	4148.1	4148.1	4139.2	4139.2	4103.8	4090.5	4095.0	4121.5	4068.4
35°	4010.8	3997.6	4010.8	4006.4	4010.8	3997.6	3975.4	3971.0	3953.3	3984.2	3944.4
37.5°	3851.4	3838.2	3851.4	3851.4	3851.4	3860.3	3842.6	3829.4	3802.8	3842.6	3811.7
40°	3687.7	3670.0	3687.7	3683.2	3687.7	3696.6	3687.7	3678.8	3652.3	3683.2	3656.7
42.5°	3501.7	3497.3	3501.7	3506.2	3506.2	3523.9	3537.1	3519.4	3510.5	3488.5	3506.2
45°	3302.5	3293.7	3302.5	3311.4	3315.8	3324.6	3364.5	3364.5	3351.2	3315.8	3342.3
47.5°	3090.1	3067.9	3090.1	3116.6	3116.6	3129.9	3169.7	3200.7	3178.6	3134.3	3147.6
50°	2864.3	2868.6	2864.3	2882.0	2882.0	2930.6	2961.6	2992.6	3014.8	2961.6	2899.7
52.5°	2642.9	2638.5	2642.9	2656.2	2673.9	2696.0	2749.2	2780.1	2815.5	2784.6	2687.2
55°	2421.6	2430.4	2421.6	2426.0	2434.8	2448.1	2527.8	2558.8	2625.2	2585.3	2483.6
57.5°	2200.2	2186.9	2200.2	2209.0	2213.5	2226.7	2293.2	2350.7	2390.6	2395.0	2271.0
60°	1943.4	1925.7	1943.4	1983.3	1992.2	2001.0	2063.0	2116.1	2151.5	2164.8	2036.4
62.5°	1717.6	1686.7	1717.6	1744.2	1761.9	1784.1	1828.3	1908.0	1939.0	1943.4	1761.9
65°	1478.6	1465.4	1478.6	1531.7	1536.2	1562.7	1611.4	1669.0	1735.3	1726.5	1465.4
67.5°	1261.7	1261.7	1261.7	1297.1	1323.7	1336.9	1398.9	1425.5	1509.6	1518.5	1221.8
70°	1062.5	1058.0	1062.5	1089.0	1106.7	1137.7	1195.3	1226.3	1292.7	1314.8	991.7
72.5°	872.1	867.7	872.1	894.3	912.0	938.5	987.2	1022.6	1080.2	1106.7	770.3
75°	703.9	695.0	703.9	721.6	717.2	752.6	792.4	827.8	880.9	898.6	571.1
77.5°	540.1	540.1	540.1	557.8	557.8	593.2	610.9	655.2	686.2	712.7	420.6
80°	402.9	398.4	402.9	407.2	407.2	425.0	456.0	486.9	513.5	513.5	287.8
82.5°	283.3	274.4	283.3	283.3	283.3	292.2	309.9	318.7	336.4	349.8	181.5
85°	177.1	177.1	177.1	181.5	177.1	185.9	190.4	199.2	199.2	190.4	110.7
87.5°	115.1	110.7	115.1	110.7	110.7	106.2	106.2	106.2	101.9	97.4	62.0
90°	41.3	41.3	41.3	41.3	41.3	55.1	73.5	82.7	71.1	47.9	30.4
92.5°	165.6	132.7	165.6	198.6	206.8	293.1	408.2	465.8	408.9	295.3	210.0
95°	577.3	477.7	577.3	676.9	701.8	921.7	1214.7	1361.2	1149.7	726.5	409.2
97.5°	1383.3	1193.7	1383.3	1572.9	1620.2	1759.2	1944.4	2037.0	1684.2	978.6	449.4
100°	1993.0	1767.2	1993.0	2218.9	2275.3	2265.2	2251.7	2244.9	1853.3	1070.3	483.1
102.5°	2592.8	2399.4	2592.8	2786.2	2834.6	2657.6	2421.6	2303.7	1906.6	1112.5	516.9
105°	3357.5	3253.6	3357.5	3461.5	3487.5	3090.8	2561.7	2297.1	1912.6	1143.7	566.9
107.5°	3858.5	3883.6	3858.5	3833.3	3827.0	3273.5	2535.5	2166.5	1827.4	1149.4	640.9
110°	4049.5	4157.9	4049.5	3941.2	3914.0	3295.2	2470.2	2057.7	1752.0	1140.7	682.3



TEST NUMBER: P935326

CATALOG NUMBER: SQ4-FA-100U-125D-92765-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P935326

CATALOG NUMBER: SQ4-FA-100U-125D-92765-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	4679.3	4679.3	4679.3	4679.3	4679.3	4679.3	4679.3	4679.3	4679.3	4679.3	4679.3
2.5°	4745.7	4719.2	4719.2	4674.9	4657.2	4643.9	4621.8	4555.3	4537.6	4519.9	4546.5
5°	4785.5	4736.9	4701.4	4621.8	4555.3	4528.8	4444.7	4285.3	4179.0	4099.3	4055.1
7.5°	4794.4	4732.4	4666.0	4542.1	4382.7	4311.9	4055.1	3762.9	3683.2	3612.4	3568.1
10°	4785.5	4714.7	4621.8	4435.9	4059.5	3935.6	3678.8	3488.5	3439.7	3426.5	3439.7
12.5°	4754.6	4688.1	4559.8	4249.9	3723.1	3639.0	3488.5	3377.7	3368.9	3391.1	3510.5
15°	4701.4	4639.5	4489.0	4001.9	3537.1	3475.1	3368.9	3329.1	3377.7	3532.7	3891.3
17.5°	4648.3	4577.5	4391.6	3758.5	3395.5	3351.2	3276.0	3355.7	3630.1	3838.2	3957.7
20°	4577.5	4493.3	4280.9	3581.4	3293.7	3253.8	3218.4	3577.0	3785.1	3860.3	3926.7
22.5°	4493.3	4404.8	4130.4	3457.4	3187.5	3156.4	3178.6	3700.9	3785.1	3838.2	3895.7
25°	4382.7	4307.4	3953.3	3360.0	3103.3	3067.9	3152.0	3687.7	3736.3	3749.7	3864.8
27.5°	4280.9	4183.5	3767.4	3271.5	3001.5	2988.2	3174.1	3630.1	3665.5	3678.8	3802.8
30°	4156.9	4010.8	3559.3	3178.6	2895.2	2890.8	3178.6	3559.3	3550.4	3585.8	3709.8
32.5°	4028.5	3754.1	3324.6	3063.5	2793.4	2789.0	3147.6	3453.0	3444.2	3492.8	3585.8
35°	3909.0	3554.8	3005.9	2930.6	2665.0	2669.5	3072.4	3329.1	3333.5	3377.7	3435.3
37.5°	3785.1	3382.2	2656.2	2784.6	2541.1	2541.1	2970.5	3214.0	3205.2	3218.4	3298.1
40°	3639.0	3112.1	2346.3	2594.2	2426.0	2412.7	2846.6	3090.1	3059.0	3054.6	3165.3
42.5°	3484.0	2815.5	2116.1	2341.8	2293.2	2275.5	2696.0	2939.5	2882.0	2895.2	3036.9
45°	3315.8	2735.8	1939.0	1978.8	2155.9	2142.7	2532.2	2766.9	2727.0	2762.4	2908.5
47.5°	3147.6	2576.5	1881.5	1642.4	2009.9	2005.4	2350.7	2598.7	2576.5	2611.9	2766.9
50°	2917.4	2399.4	1877.1	1407.8	1846.0	1863.7	2133.8	2434.8	2434.8	2465.9	2629.6
52.5°	2620.7	2182.5	1704.4	1275.0	1655.6	1708.8	1943.4	2293.2	2302.0	2333.0	2479.1
55°	2350.7	1956.8	1580.4	1173.1	1429.9	1545.0	1757.5	2147.0	2164.8	2195.8	2328.6
57.5°	2102.8	1629.1	1553.9	1053.6	1221.8	1332.6	1593.7	2005.4	2014.3	2040.8	2169.2
60°	1837.2	1177.6	1425.5	925.2	1040.3	1124.5	1443.2	1837.2	1868.2	1885.9	1996.5
62.5°	1536.2	854.4	1292.7	836.7	951.8	969.5	1319.2	1677.8	1717.6	1730.9	1797.3
65°	1093.4	717.2	1097.9	761.5	858.9	863.2	1186.4	1514.0	1549.4	1571.6	1620.2
67.5°	739.3	584.3	836.7	690.6	788.0	792.4	1058.0	1323.7	1372.3	1390.1	1421.1
70°	513.5	389.5	619.8	615.3	708.4	717.2	920.8	1151.0	1195.3	1208.6	1226.3
72.5°	376.3	314.3	513.5	553.4	624.2	633.1	779.2	956.2	1000.5	1013.7	1022.6
75°	287.8	332.0	416.1	482.5	531.2	535.7	637.5	779.2	810.1	819.0	823.4
77.5°	230.2	309.9	305.5	389.5	433.8	425.0	500.3	602.1	628.6	628.6	628.6
80°	172.7	243.5	230.2	278.9	318.7	309.9	358.6	429.4	438.3	447.1	442.7
82.5°	128.4	155.0	155.0	177.1	212.5	203.6	239.0	278.9	278.9	278.9	287.8
85°	79.7	88.5	70.8	93.0	119.6	115.1	132.8	150.5	155.0	155.0	146.1
87.5°	48.7	39.9	22.1	35.4	53.1	53.1	62.0	66.4	62.0	62.0	62.0
90°	28.3	19.6	10.9	19.6	28.3	30.4	47.9	71.1	82.7	73.5	55.1
92.5°	191.5	117.5	43.5	117.5	191.5	210.0	295.3	408.9	465.8	408.2	293.1
95°	375.3	239.9	104.5	239.9	375.3	409.2	726.5	1149.7	1361.2	1214.7	921.7
97.5°	419.5	300.1	180.6	300.1	419.5	449.4	978.6	1684.2	2037.0	1944.4	1759.2
100°	456.0	347.7	239.4	347.7	456.0	483.1	1070.3	1853.3	2244.9	2251.7	2265.2
102.5°	491.6	390.5	289.4	390.5	491.6	516.9	1112.5	1906.6	2303.7	2421.6	2657.6
105°	545.5	459.9	374.4	459.9	545.5	566.9	1143.7	1912.6	2297.1	2561.7	3090.8
107.5°	621.0	541.2	461.4	541.2	621.0	640.9	1149.4	1827.4	2166.5	2535.5	3273.5
110°	664.2	592.2	520.2	592.2	664.2	682.3	1140.7	1752.0	2057.7	2470.2	3295.2



TEST NUMBER: P935326

CATALOG NUMBER: SQ4-FA-100U-125D-92765-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P935326

CATALOG NUMBER: SQ4-FA-100U-125D-92765-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	4679.3	4679.3	4679.3	4679.3	4679.3	4679.3	4679.3	4679.3	4679.3	4679.3	4679.3
2.5°	4515.5	4502.2	4519.9	4471.3	4519.9	4502.2	4515.5	4546.5	4519.9	4537.6	4555.3
5°	3962.2	3940.0	3869.1	3811.7	3869.1	3940.0	3962.2	4055.1	4099.3	4179.0	4285.3
7.5°	3541.6	3523.9	3506.2	3470.8	3506.2	3523.9	3541.6	3568.1	3612.4	3683.2	3762.9
10°	3448.6	3453.0	3479.6	3475.1	3479.6	3453.0	3448.6	3439.7	3426.5	3439.7	3488.5
12.5°	3687.7	3727.5	3873.6	3864.8	3873.6	3727.5	3687.7	3510.5	3391.1	3368.9	3377.7
15°	3962.2	3975.4	4006.4	4010.8	4006.4	3975.4	3962.2	3891.3	3532.7	3377.7	3329.1
17.5°	3988.7	3993.1	4015.3	4015.3	4015.3	3993.1	3988.7	3957.7	3838.2	3630.1	3355.7
20°	3966.5	3975.4	4019.7	4028.5	4019.7	3975.4	3966.5	3926.7	3860.3	3785.1	3577.0
22.5°	3957.7	3975.4	4010.8	4006.4	4010.8	3975.4	3957.7	3895.7	3838.2	3785.1	3700.9
25°	3913.4	3913.4	3917.9	3922.3	3917.9	3913.4	3913.4	3864.8	3749.7	3736.3	3687.7
27.5°	3820.5	3829.4	3855.9	3851.4	3855.9	3829.4	3820.5	3802.8	3678.8	3665.5	3630.1
30°	3736.3	3727.5	3705.4	3687.7	3705.4	3727.5	3736.3	3709.8	3585.8	3550.4	3559.3
32.5°	3594.7	3572.5	3550.4	3537.1	3550.4	3572.5	3594.7	3585.8	3492.8	3444.2	3453.0
35°	3426.5	3430.9	3426.5	3413.2	3426.5	3430.9	3426.5	3435.3	3377.7	3333.5	3329.1
37.5°	3306.9	3315.8	3311.4	3293.7	3311.4	3315.8	3306.9	3298.1	3218.4	3205.2	3214.0
40°	3183.0	3187.5	3183.0	3169.7	3183.0	3187.5	3183.0	3165.3	3054.6	3059.0	3090.1
42.5°	3063.5	3059.0	3045.8	3036.9	3045.8	3059.0	3063.5	3036.9	2895.2	2882.0	2939.5
45°	2926.2	2930.6	2904.0	2890.8	2904.0	2930.6	2926.2	2908.5	2762.4	2727.0	2766.9
47.5°	2789.0	2789.0	2766.9	2753.5	2766.9	2789.0	2789.0	2766.9	2611.9	2576.5	2598.7
50°	2642.9	2638.5	2607.5	2603.0	2607.5	2638.5	2642.9	2629.6	2465.9	2434.8	2434.8
52.5°	2474.7	2474.7	2479.1	2487.9	2479.1	2474.7	2474.7	2479.1	2333.0	2302.0	2293.2
55°	2328.6	2333.0	2364.0	2372.9	2364.0	2333.0	2328.6	2328.6	2195.8	2164.8	2147.0
57.5°	2178.1	2178.1	2200.2	2200.2	2200.2	2178.1	2178.1	2169.2	2040.8	2014.3	2005.4
60°	2005.4	2014.3	2032.0	2027.6	2032.0	2014.3	2005.4	1996.5	1885.9	1868.2	1837.2
62.5°	1823.9	1832.8	1837.2	1828.3	1837.2	1832.8	1823.9	1797.3	1730.9	1717.6	1677.8
65°	1633.6	1642.4	1646.8	1637.9	1646.8	1642.4	1633.6	1620.2	1571.6	1549.4	1514.0
67.5°	1438.8	1434.3	1429.9	1447.6	1429.9	1434.3	1438.8	1421.1	1390.1	1372.3	1323.7
70°	1239.5	1239.5	1235.1	1244.0	1235.1	1239.5	1239.5	1226.3	1208.6	1195.3	1151.0
72.5°	1027.1	1022.6	1040.3	1027.1	1040.3	1022.6	1027.1	1022.6	1013.7	1000.5	956.2
75°	819.0	827.8	819.0	832.3	819.0	827.8	819.0	823.4	819.0	810.1	779.2
77.5°	624.2	633.1	624.2	624.2	624.2	633.1	624.2	628.6	628.6	628.6	602.1
80°	442.7	438.3	438.3	433.8	438.3	438.3	442.7	442.7	447.1	438.3	429.4
82.5°	283.3	278.9	278.9	287.8	278.9	278.9	283.3	287.8	278.9	278.9	278.9
85°	155.0	159.4	150.5	150.5	150.5	159.4	155.0	146.1	155.0	155.0	150.5
87.5°	57.6	53.1	53.1	53.1	53.1	53.1	57.6	62.0	62.0	62.0	66.4
90°	41.3	41.3	41.3	41.3	41.3	41.3	41.3	55.1	73.5	82.7	71.1
92.5°	206.8	198.6	165.6	132.7	165.6	198.6	206.8	293.1	408.2	465.8	408.9
95°	701.8	676.9	577.3	477.7	577.3	676.9	701.8	921.7	1214.7	1361.2	1149.7
97.5°	1620.2	1572.9	1383.3	1193.7	1383.3	1572.9	1620.2	1759.2	1944.4	2037.0	1684.2
100°	2275.3	2218.9	1993.0	1767.2	1993.0	2218.9	2275.3	2265.2	2251.7	2244.9	1853.3
102.5°	2834.6	2786.2	2592.8	2399.4	2592.8	2786.2	2834.6	2657.6	2421.6	2303.7	1906.6
105°	3487.5	3461.5	3357.5	3253.6	3357.5	3461.5	3487.5	3090.8	2561.7	2297.1	1912.6
107.5°	3827.0	3833.3	3858.5	3883.6	3858.5	3833.3	3827.0	3273.5	2535.5	2166.5	1827.4
110°	3914.0	3941.2	4049.5	4157.9	4049.5	3941.2	3914.0	3295.2	2470.2	2057.7	1752.0



TEST NUMBER: P935326

CATALOG NUMBER: SQ4-FA-100U-125D-92765-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P935326

CATALOG NUMBER: SQ4-FA-100U-125D-92765-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	4679.3	4679.3	4679.3	4679.3	4679.3
2.5°	4621.8	4643.9	4657.2	4674.9	4719.2
5°	4444.7	4528.8	4555.3	4621.8	4701.4
7.5°	4055.1	4311.9	4382.7	4542.1	4666.0
10°	3678.8	3935.6	4059.5	4435.9	4621.8
12.5°	3488.5	3639.0	3723.1	4249.9	4559.8
15°	3368.9	3475.1	3537.1	4001.9	4489.0
17.5°	3276.0	3351.2	3395.5	3758.5	4391.6
20°	3218.4	3253.8	3293.7	3581.4	4280.9
22.5°	3178.6	3156.4	3187.5	3457.4	4130.4
25°	3152.0	3067.9	3103.3	3360.0	3953.3
27.5°	3174.1	2988.2	3001.5	3271.5	3767.4
30°	3178.6	2890.8	2895.2	3178.6	3559.3
32.5°	3147.6	2789.0	2793.4	3063.5	3324.6
35°	3072.4	2669.5	2665.0	2930.6	3005.9
37.5°	2970.5	2541.1	2541.1	2784.6	2656.2
40°	2846.6	2412.7	2426.0	2594.2	2346.3
42.5°	2696.0	2275.5	2293.2	2341.8	2116.1
45°	2532.2	2142.7	2155.9	1978.8	1939.0
47.5°	2350.7	2005.4	2009.9	1642.4	1881.5
50°	2133.8	1863.7	1846.0	1407.8	1877.1
52.5°	1943.4	1708.8	1655.6	1275.0	1704.4
55°	1757.5	1545.0	1429.9	1173.1	1580.4
57.5°	1593.7	1332.6	1221.8	1053.6	1553.9
60°	1443.2	1124.5	1040.3	925.2	1425.5
62.5°	1319.2	969.5	951.8	836.7	1292.7
65°	1186.4	863.2	858.9	761.5	1097.9
67.5°	1058.0	792.4	788.0	690.6	836.7
70°	920.8	717.2	708.4	615.3	619.8
72.5°	779.2	633.1	624.2	553.4	513.5
75°	637.5	535.7	531.2	482.5	416.1
77.5°	500.3	425.0	433.8	389.5	305.5
80°	358.6	309.9	318.7	278.9	230.2
82.5°	239.0	203.6	212.5	177.1	155.0
85°	132.8	115.1	119.6	93.0	70.8
87.5°	62.0	53.1	53.1	35.4	22.1
90°	47.9	30.4	28.3	19.6	10.9
92.5°	295.3	210.0	191.5	117.5	43.5
95°	726.5	409.2	375.3	239.9	104.5
97.5°	978.6	449.4	419.5	300.1	180.6
100°	1070.3	483.1	456.0	347.7	239.4
102.5°	1112.5	516.9	491.6	390.5	289.4
105°	1143.7	566.9	545.5	459.9	374.4
107.5°	1149.4	640.9	621.0	541.2	461.4
110°	1140.7	682.3	664.2	592.2	520.2



TEST NUMBER: P935326

CATALOG NUMBER: SQ4-FA-100U-125D-92765-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P935326
 CATALOG NUMBER: SQ4-FA-100U-125D-92765-1D-UNV-STD-W-12-3000K

CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	14.42	15.32	15.35	16.26	17.48	17.27	18.17	18.20	19.11	20.33
	3H	14.90	15.70	15.84	16.66	17.90	18.63	19.43	19.57	20.38	21.63
	4H	15.09	15.85	16.05	16.81	18.06	19.08	19.84	20.03	20.79	22.05
	6H	15.22	15.91	16.18	16.88	18.14	19.37	20.07	20.33	21.03	22.30
	8H	15.22	15.88	16.19	16.86	18.12	19.45	20.11	20.42	21.09	22.36
	12H	15.19	15.82	16.17	16.80	18.08	19.49	20.13	20.47	21.10	22.39
4H	2H	15.46	16.22	16.42	17.18	18.43	17.69	18.44	18.64	19.40	20.65
	3H	16.49	17.13	17.46	18.11	19.38	19.20	19.83	20.17	20.82	22.09
	4H	16.77	17.35	17.75	18.33	19.62	19.74	20.31	20.71	21.29	22.58
	6H	16.90	17.40	17.89	18.40	19.69	20.11	20.61	21.10	21.61	22.90
	8H	16.91	17.37	17.90	18.37	19.67	20.22	20.68	21.21	21.68	22.98
	12H	16.87	17.29	17.88	18.31	19.62	20.28	20.70	21.29	21.71	23.02
8H	4H	17.23	17.70	18.22	18.69	20.00	19.86	20.33	20.85	21.32	22.63
	6H	17.49	17.88	18.51	18.92	20.22	20.31	20.69	21.32	21.73	23.03
	8H	17.54	17.88	18.56	18.90	20.22	20.46	20.80	21.49	21.83	23.15
	12H	17.52	17.82	18.55	18.84	20.21	20.57	20.86	21.59	21.88	23.25
12H	4H	17.24	17.66	18.25	18.67	19.98	19.83	20.25	20.84	21.26	22.57
	6H	17.56	17.90	18.58	18.92	20.24	20.30	20.64	21.33	21.67	22.99
	8H	17.63	17.92	18.65	18.94	20.31	20.47	20.77	21.50	21.79	23.15