

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: P935327

Luminaire Tested: SQ4-FA-100U-125D-92765-1D-UNV-STD-W-12-3500K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935327
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-12-3500K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

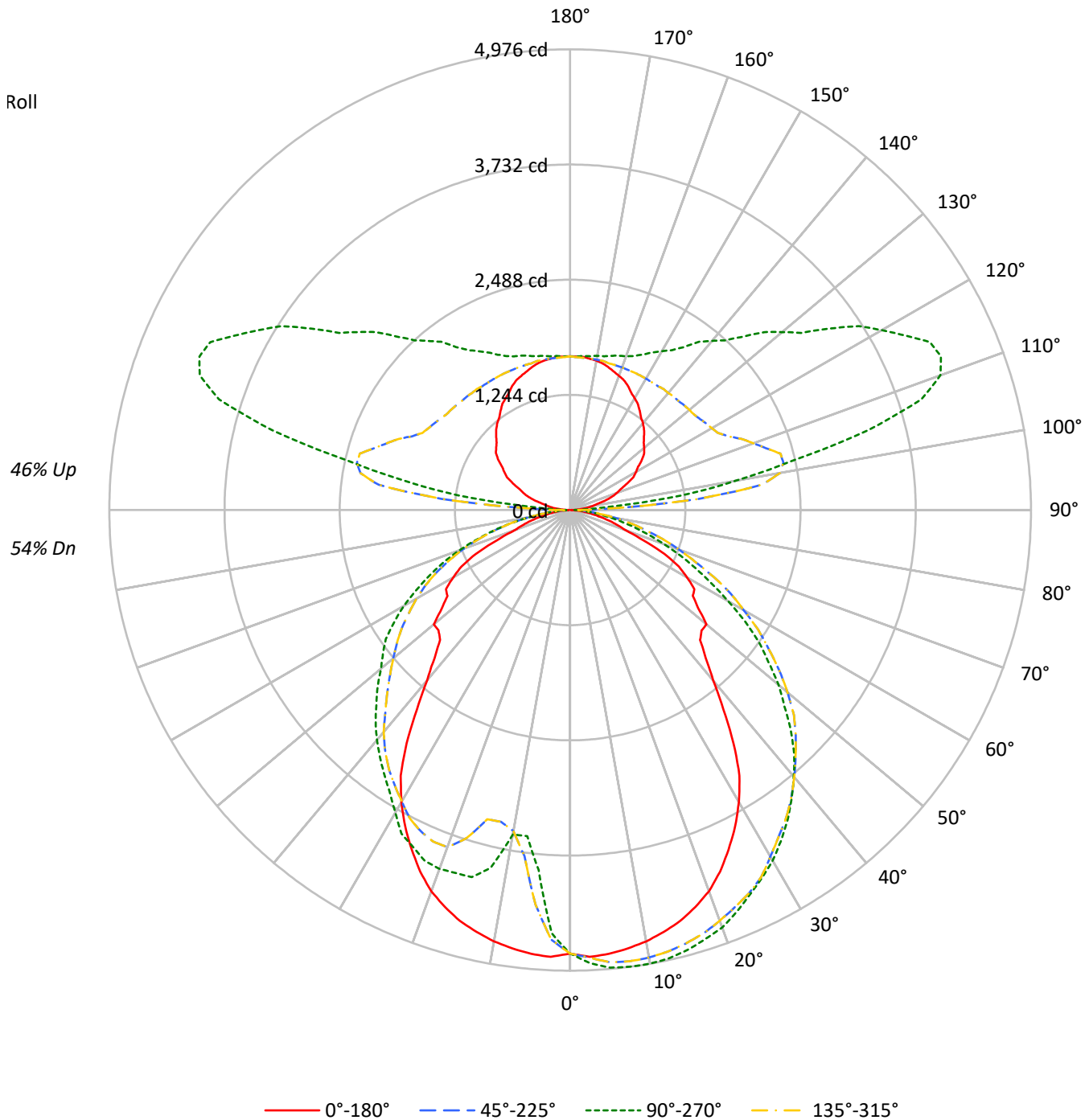
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23184.0 lumens
Efficiency: N/A
Efficacy: 112.3 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: P935327
CATALOG NUMBER: SQ4-FA-100U-125D-92765-1D-UNV-STD-W-12-3500K

Luminous Intensity Polar Plot





TEST NUMBER: P935327

CATALOG NUMBER: SQ4-FA-100U-125D-92765-1D-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
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°	14815	14815	14815	14815
5°	14931	14955	14931	11759
10°	14837	14732	14837	10532
15°	14681	14412	14681	12035
20°	14380	14034	14380	12060
25°	13757	13483	13757	11804
30°	12950	13025	12950	11243
35°	11551	12446	11551	10627
40°	9630	11764	9630	10161
45°	8610	10966	8610	9625
50°	9155	10014	9155	9087
55°	8621	8989	8621	8776
60°	8898	7634	8898	8038
65°	8081	6311	8081	7054
70°	5609	5029	5609	5913
75°	4937	3718	4937	4452
80°	4009	2458	4009	2676
85°	2349	1302	2349	1107

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 13188 cd/sqm



TEST NUMBER: P935327

CATALOG NUMBER: SQ4-FA-100U-125D-92765-1D-UNV-STD-W-12-3500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	432.4	1.9
10°-20°	1227.6	5.3
20°-30°	1897.6	8.2
30°-40°	2265.4	9.8
40°-50°	2278.7	9.8
50°-60°	1982.7	8.6
60°-70°	1405.8	6.1
70°-80°	743.7	3.2
80°-90°	191.6	0.8
90°-100°	809.0	3.5
100°-110°	2126.9	9.2
110°-120°	2205.3	9.5
120°-130°	1768.9	7.6
130°-140°	1388.0	6.0
140°-150°	1065.3	4.6
150°-160°	767.2	3.3
160°-170°	469.4	2.0
170°-180°	158.6	0.7
0°-30°	3557.6	15.3
0°-40°	5822.9	25.1
0°-60°	10084.3	43.5
0°-90°	12425.4	53.6
90°-120°	5141.2	22.2
90°-150°	9363.4	40.4
90°-180°	10759.0	46.4
0°-180°	23184.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	4790	4790	4790	4790	4790	
5°	4812	4962	4812	3902	4812	457
15°	4595	4917	4595	4106	4595	1293
25°	4047	4586	4047	4015	4047	1858
35°	3077	4092	3077	3494	3077	1904
45°	1985	3371	1985	2959	1985	1590
55°	1618	2488	1618	2429	1618	1487
65°	1124	1500	1124	1677	1124	1074
75°	426	711	426	852	426	448
85°	72	181	72	154	72	98
90°	11	42	11	42	11	12
95°	107	489	107	489	107	119
105°	383	3330	383	3330	383	406
115°	680	4288	680	4288	680	672
125°	947	3415	947	3415	947	841
135°	1128	2650	1128	2650	1128	873
145°	1309	2150	1309	2150	1309	820
155°	1479	1851	1479	1851	1479	680
165°	1596	1724	1596	1724	1596	450
175°	1660	1671	1660	1671	1660	158
180°	1660	1660	1660	1660	1660	



TEST NUMBER: P935327

CATALOG NUMBER: SQ4-FA-100U-125D-92765-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	4789.8	4789.8	4789.8	4789.8	4789.8	4789.8	4789.8	4789.8	4789.8	4789.8	4789.8
2.5°	4830.6	4830.6	4857.7	4866.8	4866.8	4853.2	4839.6	4853.2	4894.0	4907.6	4903.1
5°	4812.4	4848.7	4898.5	4907.6	4916.6	4912.1	4903.1	4912.1	4957.4	4966.5	4971.0
7.5°	4776.1	4844.2	4907.6	4921.2	4934.8	4921.2	4916.6	4925.7	4971.0	4980.1	4980.1
10°	4730.9	4826.0	4898.5	4907.6	4921.2	4907.6	4907.6	4925.7	4971.0	4980.1	4984.7
12.5°	4667.4	4798.8	4866.8	4875.8	4894.0	4889.4	4885.0	4903.1	4948.3	4957.4	4957.4
15°	4594.9	4749.0	4812.4	4821.5	4853.2	4844.2	4844.2	4862.3	4912.1	4925.7	4921.2
17.5°	4495.2	4685.5	4758.0	4771.7	4794.3	4789.8	4794.3	4812.4	4857.7	4866.8	4871.3
20°	4382.0	4599.4	4685.5	4699.1	4721.8	4721.8	4721.8	4744.5	4789.8	4807.9	4807.9
22.5°	4227.9	4508.8	4599.4	4608.5	4635.7	4635.7	4644.7	4676.4	4717.2	4721.8	4721.8
25°	4046.6	4409.1	4486.1	4513.4	4540.6	4554.1	4567.7	4585.8	4599.4	4594.9	4599.4
27.5°	3856.3	4282.3	4382.0	4400.1	4436.3	4449.9	4468.0	4472.6	4477.1	4490.7	4481.7
30°	3643.3	4105.5	4255.0	4273.2	4332.1	4341.2	4323.0	4332.1	4354.7	4363.8	4372.9
32.5°	3403.1	3842.7	4123.6	4164.4	4218.8	4191.7	4187.1	4200.7	4236.9	4236.9	4246.0
35°	3076.9	3638.8	4001.3	4037.5	4078.3	4046.6	4064.7	4069.3	4091.9	4105.5	4101.0
37.5°	2718.9	3462.0	3874.4	3901.6	3933.3	3892.5	3919.8	3933.3	3951.5	3942.3	3942.3
40°	2401.7	3185.6	3724.9	3743.0	3770.2	3738.5	3765.7	3774.7	3783.8	3774.7	3770.2
42.5°	2166.0	2882.0	3566.3	3589.0	3570.8	3593.4	3602.5	3620.6	3607.1	3589.0	3589.0
45°	1984.7	2800.4	3394.1	3421.2	3394.1	3430.3	3443.9	3443.9	3403.1	3394.1	3389.5
47.5°	1925.9	2637.3	3221.9	3221.9	3208.3	3253.6	3276.3	3244.5	3203.8	3190.1	3190.1
50°	1921.4	2456.0	2986.3	2968.1	3031.5	3086.0	3063.3	3031.5	2999.8	2950.0	2950.0
52.5°	1744.6	2234.0	2682.6	2750.6	2850.3	2882.0	2845.8	2814.1	2759.6	2737.0	2718.9
55°	1617.7	2003.0	2406.2	2542.2	2646.4	2687.1	2619.2	2587.4	2505.9	2492.3	2483.3
57.5°	1590.6	1667.6	2152.5	2324.7	2451.5	2447.0	2406.2	2347.3	2279.3	2265.7	2261.2
60°	1459.2	1205.4	1880.6	2084.4	2215.9	2202.3	2166.0	2111.7	2048.2	2039.2	2030.1
62.5°	1323.2	874.6	1572.4	1803.5	1989.3	1984.7	1953.1	1871.5	1826.2	1803.5	1785.4
65°	1123.8	734.1	1119.3	1500.0	1767.3	1776.3	1708.4	1649.5	1599.6	1572.4	1567.9
67.5°	856.5	598.1	756.8	1250.6	1554.3	1545.2	1459.2	1431.9	1368.5	1354.9	1327.7
70°	634.4	398.7	525.7	1015.1	1345.8	1323.2	1255.2	1223.5	1164.6	1132.8	1114.7
72.5°	525.7	321.7	385.2	788.5	1132.8	1105.7	1046.8	1010.5	960.6	933.5	915.4
75°	426.0	339.8	294.6	584.6	919.8	901.7	847.4	811.1	770.3	734.1	738.6
77.5°	312.7	317.2	235.7	430.5	729.5	702.4	670.6	625.4	607.2	571.0	571.0
80°	235.7	249.2	176.7	294.6	525.7	525.7	498.4	466.8	435.1	416.9	416.9
82.5°	158.6	158.6	131.4	185.8	358.0	344.4	326.3	317.2	299.1	290.0	290.0
85°	72.5	90.6	81.6	113.3	194.9	203.9	203.9	194.9	190.3	181.3	185.8
87.5°	22.7	40.8	49.8	63.5	99.7	104.3	108.7	108.7	108.7	113.3	113.3
90°	11.2	20.1	28.9	31.2	49.0	72.7	84.6	75.2	56.4	42.3	42.3
92.5°	44.5	120.2	196.0	214.9	302.2	418.5	476.7	417.8	300.0	211.6	203.2
95°	106.9	245.6	384.2	418.8	743.6	1176.8	1393.4	1243.4	943.4	718.4	692.9
97.5°	184.9	307.2	429.4	460.1	1001.7	1723.9	2085.1	1990.3	1800.7	1658.5	1610.0
100°	245.0	355.9	466.8	494.5	1095.6	1897.1	2297.9	2304.8	2318.7	2329.0	2271.3
102.5°	296.3	399.7	503.2	529.1	1138.7	1951.6	2358.0	2478.8	2720.3	2901.6	2852.0
105°	383.2	470.8	558.4	580.3	1170.7	1957.8	2351.3	2622.2	3163.7	3569.9	3543.3
107.5°	472.3	554.0	635.6	656.1	1176.6	1870.6	2217.6	2595.4	3350.8	3917.4	3923.8
110°	532.4	606.2	679.9	698.4	1167.6	1793.4	2106.2	2528.5	3373.0	4006.4	4034.2



TEST NUMBER: P935327

CATALOG NUMBER: SQ4-FA-100U-125D-92765-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	591.5	661.8	732.0	749.6	1168.1	1726.0	2004.9	2437.1	3301.4	3949.7	3992.2
115°	680.5	745.4	810.2	826.5	1178.8	1648.6	1883.5	2299.8	3132.5	3756.9	3816.0
117.5°	768.5	827.5	886.4	901.1	1200.8	1600.2	1800.0	2175.7	2927.2	3490.8	3556.2
120°	819.8	875.2	930.7	944.6	1218.6	1584.0	1766.6	2109.9	2796.5	3311.4	3375.1
122.5°	869.9	925.9	981.8	995.8	1244.2	1575.4	1741.0	2050.1	2668.4	3132.1	3194.9
125°	946.8	997.8	1048.7	1061.5	1278.7	1568.3	1713.1	1975.7	2500.9	2894.9	2952.6
127.5°	1009.1	1060.6	1112.1	1125.0	1313.2	1564.2	1689.7	1915.2	2366.2	2704.4	2753.1
130°	1042.6	1098.0	1153.4	1167.3	1338.5	1566.7	1680.8	1881.6	2283.1	2584.1	2629.2
132.5°	1077.1	1132.6	1188.0	1201.8	1358.8	1568.2	1672.9	1852.6	2212.1	2481.7	2522.0
135°	1128.4	1178.8	1229.3	1241.9	1381.2	1566.8	1659.6	1810.1	2111.0	2336.8	2371.6
137.5°	1180.7	1230.7	1280.6	1293.1	1414.5	1576.5	1657.4	1784.6	2039.1	2229.9	2258.4
140°	1224.1	1270.2	1316.2	1327.7	1435.0	1578.1	1649.6	1759.4	1979.3	2144.2	2170.8
142.5°	1257.5	1300.1	1342.7	1353.3	1452.0	1583.7	1649.6	1746.1	1939.2	2084.0	2106.9
145°	1308.8	1345.9	1383.0	1392.3	1474.3	1583.8	1638.5	1717.4	1875.3	1993.8	2011.1
147.5°	1360.0	1396.1	1432.3	1441.3	1507.0	1594.7	1638.5	1700.6	1824.9	1918.1	1932.4
150°	1393.4	1426.0	1458.7	1466.9	1524.1	1600.4	1638.5	1691.0	1795.9	1874.6	1886.2
152.5°	1427.9	1452.6	1477.5	1483.6	1535.2	1604.0	1638.5	1683.3	1772.8	1840.0	1848.8
155°	1479.2	1497.5	1515.8	1520.4	1559.8	1612.3	1638.5	1674.1	1745.3	1798.8	1804.6
157.5°	1517.0	1534.9	1552.7	1557.2	1584.3	1620.5	1638.5	1666.2	1721.6	1763.2	1767.3
160°	1542.6	1556.6	1570.4	1573.9	1595.4	1624.1	1638.5	1662.2	1709.7	1745.3	1747.7
162.5°	1568.2	1578.6	1589.0	1591.6	1607.3	1628.0	1638.5	1658.5	1698.6	1728.6	1730.9
165°	1596.1	1605.5	1614.9	1617.2	1624.3	1633.8	1638.5	1652.9	1681.5	1703.0	1705.4
167.5°	1621.7	1626.2	1630.6	1631.8	1637.7	1645.6	1649.6	1659.0	1677.9	1692.0	1692.9
170°	1638.5	1643.0	1647.4	1648.5	1648.8	1649.3	1649.6	1659.0	1677.9	1692.0	1692.0
172.5°	1647.3	1648.3	1649.3	1649.6	1649.6	1649.6	1649.6	1657.0	1671.9	1683.0	1682.1
175°	1659.6	1659.6	1659.6	1659.6	1656.3	1651.8	1649.6	1654.3	1663.7	1670.7	1670.7
177.5°	1659.6	1659.6	1659.6	1659.6	1657.1	1653.6	1651.8	1655.5	1663.0	1668.5	1667.5
180°	1659.6	1659.6	1659.6	1659.6	1659.6	1659.6	1659.6	1659.6	1659.6	1659.6	1659.6



TEST NUMBER: P935327

CATALOG NUMBER: SQ4-FA-100U-125D-92765-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	4789.8	4789.8	4789.8	4789.8	4789.8	4789.8	4789.8	4789.8	4789.8	4789.8	4789.8
2.5°	4912.1	4898.5	4912.1	4903.1	4907.6	4894.0	4853.2	4839.6	4853.2	4866.8	4866.8
5°	4971.0	4962.0	4971.0	4971.0	4966.5	4957.4	4912.1	4903.1	4912.1	4916.6	4907.6
7.5°	4989.1	4975.6	4989.1	4980.1	4980.1	4971.0	4925.7	4916.6	4921.2	4934.8	4921.2
10°	4989.1	4975.6	4989.1	4984.7	4980.1	4971.0	4925.7	4907.6	4907.6	4921.2	4907.6
12.5°	4966.5	4957.4	4966.5	4957.4	4957.4	4948.3	4903.1	4885.0	4889.4	4894.0	4875.8
15°	4930.2	4916.6	4930.2	4921.2	4925.7	4912.1	4862.3	4844.2	4844.2	4853.2	4821.5
17.5°	4875.8	4857.7	4875.8	4871.3	4866.8	4857.7	4812.4	4794.3	4789.8	4794.3	4771.7
20°	4812.4	4798.8	4812.4	4807.9	4807.9	4789.8	4744.5	4721.8	4721.8	4721.8	4699.1
22.5°	4712.8	4699.1	4712.8	4721.8	4721.8	4717.2	4676.4	4644.7	4635.7	4635.7	4608.5
25°	4599.4	4585.8	4599.4	4599.4	4594.9	4599.4	4585.8	4567.7	4554.1	4540.6	4513.4
27.5°	4490.7	4481.7	4490.7	4481.7	4490.7	4477.1	4472.6	4468.0	4449.9	4436.3	4400.1
30°	4382.0	4372.9	4382.0	4372.9	4363.8	4354.7	4332.1	4323.0	4341.2	4332.1	4273.2
32.5°	4246.0	4236.9	4246.0	4246.0	4236.9	4236.9	4200.7	4187.1	4191.7	4218.8	4164.4
35°	4105.5	4091.9	4105.5	4101.0	4105.5	4091.9	4069.3	4064.7	4046.6	4078.3	4037.5
37.5°	3942.3	3928.8	3942.3	3942.3	3942.3	3951.5	3933.3	3919.8	3892.5	3933.3	3901.6
40°	3774.7	3756.6	3774.7	3770.2	3774.7	3783.8	3774.7	3765.7	3738.5	3770.2	3743.0
42.5°	3584.4	3579.9	3584.4	3589.0	3589.0	3607.1	3620.6	3602.5	3593.4	3570.8	3589.0
45°	3380.4	3371.4	3380.4	3389.5	3394.1	3403.1	3443.9	3443.9	3430.3	3394.1	3421.2
47.5°	3163.0	3140.3	3163.0	3190.1	3190.1	3203.8	3244.5	3276.3	3253.6	3208.3	3221.9
50°	2931.9	2936.4	2931.9	2950.0	2950.0	2999.8	3031.5	3063.3	3086.0	3031.5	2968.1
52.5°	2705.3	2700.8	2705.3	2718.9	2737.0	2759.6	2814.1	2845.8	2882.0	2850.3	2750.6
55°	2478.7	2487.8	2478.7	2483.3	2492.3	2505.9	2587.4	2619.2	2687.1	2646.4	2542.2
57.5°	2252.2	2238.5	2252.2	2261.2	2265.7	2279.3	2347.3	2406.2	2447.0	2451.5	2324.7
60°	1989.3	1971.2	1989.3	2030.1	2039.2	2048.2	2111.7	2166.0	2202.3	2215.9	2084.4
62.5°	1758.2	1726.5	1758.2	1785.4	1803.5	1826.2	1871.5	1953.1	1984.7	1989.3	1803.5
65°	1513.5	1500.0	1513.5	1567.9	1572.4	1599.6	1649.5	1708.4	1776.3	1767.3	1500.0
67.5°	1291.4	1291.4	1291.4	1327.7	1354.9	1368.5	1431.9	1459.2	1545.2	1554.3	1250.6
70°	1087.6	1083.0	1087.6	1114.7	1132.8	1164.6	1223.5	1255.2	1323.2	1345.8	1015.1
72.5°	892.7	888.2	892.7	915.4	933.5	960.6	1010.5	1046.8	1105.7	1132.8	788.5
75°	720.5	711.4	720.5	738.6	734.1	770.3	811.1	847.4	901.7	919.8	584.6
77.5°	552.8	552.8	552.8	571.0	571.0	607.2	625.4	670.6	702.4	729.5	430.5
80°	412.4	407.8	412.4	416.9	416.9	435.1	466.8	498.4	525.7	525.7	294.6
82.5°	290.0	280.9	290.0	290.0	290.0	299.1	317.2	326.3	344.4	358.0	185.8
85°	181.3	181.3	181.3	185.8	181.3	190.3	194.9	203.9	203.9	194.9	113.3
87.5°	117.8	113.3	117.8	113.3	113.3	108.7	108.7	108.7	104.3	99.7	63.5
90°	42.3	42.3	42.3	42.3	42.3	56.4	75.2	84.6	72.7	49.0	31.2
92.5°	169.5	135.9	169.5	203.2	211.6	300.0	417.8	476.7	418.5	302.2	214.9
95°	590.9	489.0	590.9	692.9	718.4	943.4	1243.4	1393.4	1176.8	743.6	418.8
97.5°	1416.0	1221.9	1416.0	1610.0	1658.5	1800.7	1990.3	2085.1	1723.9	1001.7	460.1
100°	2040.1	1808.9	2040.1	2271.3	2329.0	2318.7	2304.8	2297.9	1897.1	1095.6	494.5
102.5°	2654.0	2456.0	2654.0	2852.0	2901.6	2720.3	2478.8	2358.0	1951.6	1138.7	529.1
105°	3436.8	3330.4	3436.8	3543.3	3569.9	3163.7	2622.2	2351.3	1957.8	1170.7	580.3
107.5°	3949.6	3975.3	3949.6	3923.8	3917.4	3350.8	2595.4	2217.6	1870.6	1176.6	656.1
110°	4145.1	4256.0	4145.1	4034.2	4006.4	3373.0	2528.5	2106.2	1793.4	1167.6	698.4



TEST NUMBER: P935327

CATALOG NUMBER: SQ4-FA-100U-125D-92765-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	4162.6	4332.9	4162.6	3992.2	3949.7	3301.4	2437.1	2004.9	1726.0	1168.1	749.6
115°	4052.1	4288.2	4052.1	3816.0	3756.9	3132.5	2299.8	1883.5	1648.6	1178.8	826.5
117.5°	3818.1	4080.0	3818.1	3556.2	3490.8	2927.2	2175.7	1800.0	1600.2	1200.8	901.1
120°	3629.5	3884.0	3629.5	3375.1	3311.4	2796.5	2109.9	1766.6	1584.0	1218.6	944.6
122.5°	3445.8	3696.8	3445.8	3194.9	3132.1	2668.4	2050.1	1741.0	1575.4	1244.2	995.8
125°	3183.8	3415.0	3183.8	2952.6	2894.9	2500.9	1975.7	1713.1	1568.3	1278.7	1061.5
127.5°	2948.2	3143.3	2948.2	2753.1	2704.4	2366.2	1915.2	1689.7	1564.2	1313.2	1125.0
130°	2809.3	2989.6	2809.3	2629.2	2584.1	2283.1	1881.6	1680.8	1566.7	1338.5	1167.3
132.5°	2683.4	2844.8	2683.4	2522.0	2481.7	2212.1	1852.6	1672.9	1568.2	1358.8	1201.8
135°	2510.7	2649.8	2510.7	2371.6	2336.8	2111.0	1810.1	1659.6	1566.8	1381.2	1241.9
137.5°	2372.2	2486.1	2372.2	2258.4	2229.9	2039.1	1784.6	1657.4	1576.5	1414.5	1293.1
140°	2277.3	2383.7	2277.3	2170.8	2144.2	1979.3	1759.4	1649.6	1578.1	1435.0	1327.7
142.5°	2198.4	2290.0	2198.4	2106.9	2084.0	1939.2	1746.1	1649.6	1583.7	1452.0	1353.3
145°	2080.4	2149.7	2080.4	2011.1	1993.8	1875.3	1717.4	1638.5	1583.8	1474.3	1392.3
147.5°	1989.8	2047.2	1989.8	1932.4	1918.1	1824.9	1700.6	1638.5	1594.7	1507.0	1441.3
150°	1932.8	1979.3	1932.8	1886.2	1874.6	1795.9	1691.0	1638.5	1600.4	1524.1	1466.9
152.5°	1884.0	1919.1	1884.0	1848.8	1840.0	1772.8	1683.3	1638.5	1604.0	1535.2	1483.6
155°	1827.9	1851.2	1827.9	1804.6	1798.8	1745.3	1674.1	1638.5	1612.3	1559.8	1520.4
157.5°	1783.6	1800.0	1783.6	1767.3	1763.2	1721.6	1666.2	1638.5	1620.5	1584.3	1557.2
160°	1757.1	1766.6	1757.1	1747.7	1745.3	1709.7	1662.2	1638.5	1624.1	1595.4	1573.9
162.5°	1739.8	1748.7	1739.8	1730.9	1728.6	1698.6	1658.5	1638.5	1628.0	1607.3	1591.6
165°	1714.8	1724.2	1714.8	1705.4	1703.0	1681.5	1652.9	1638.5	1633.8	1624.3	1617.2
167.5°	1696.9	1700.8	1696.9	1692.9	1692.0	1677.9	1659.0	1649.6	1645.6	1637.7	1631.8
170°	1692.0	1692.0	1692.0	1692.0	1692.0	1677.9	1659.0	1649.6	1649.3	1648.8	1648.5
172.5°	1678.7	1675.2	1678.7	1682.1	1683.0	1671.9	1657.0	1649.6	1649.6	1649.6	1649.6
175°	1670.7	1670.7	1670.7	1670.7	1670.7	1663.7	1654.3	1649.6	1651.8	1656.3	1659.6
177.5°	1663.6	1659.6	1663.6	1667.5	1668.5	1663.0	1655.5	1651.8	1653.6	1657.1	1659.6
180°	1659.6	1659.6	1659.6	1659.6	1659.6	1659.6	1659.6	1659.6	1659.6	1659.6	1659.6



TEST NUMBER: P935327

CATALOG NUMBER: SQ4-FA-100U-125D-92765-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	4789.8	4789.8	4789.8	4789.8	4789.8	4789.8	4789.8	4789.8	4789.8	4789.8	4789.8
2.5°	4857.7	4830.6	4830.6	4785.2	4767.1	4753.6	4730.9	4662.9	4644.7	4626.6	4653.9
5°	4898.5	4848.7	4812.4	4730.9	4662.9	4635.7	4549.6	4386.4	4277.7	4196.1	4150.9
7.5°	4907.6	4844.2	4776.1	4649.3	4486.1	4413.6	4150.9	3851.7	3770.2	3697.7	3652.3
10°	4898.5	4826.0	4730.9	4540.6	4155.3	4028.5	3765.7	3570.8	3520.9	3507.4	3520.9
12.5°	4866.8	4798.8	4667.4	4350.2	3811.0	3724.9	3570.8	3457.5	3448.5	3471.1	3593.4
15°	4812.4	4749.0	4594.9	4096.4	3620.6	3557.2	3448.5	3407.7	3457.5	3616.1	3983.1
17.5°	4758.0	4685.5	4495.2	3847.2	3475.7	3430.3	3353.3	3434.9	3715.8	3928.8	4051.2
20°	4685.5	4599.4	4382.0	3666.0	3371.4	3330.6	3294.4	3661.4	3874.4	3951.5	4019.4
22.5°	4599.4	4508.8	4227.9	3539.1	3262.7	3230.9	3253.6	3788.3	3874.4	3928.8	3987.7
25°	4486.1	4409.1	4046.6	3439.4	3176.6	3140.3	3226.4	3774.7	3824.5	3838.2	3956.0
27.5°	4382.0	4282.3	3856.3	3348.8	3072.3	3058.7	3249.0	3715.8	3752.0	3765.7	3892.5
30°	4255.0	4105.5	3643.3	3253.6	2963.6	2959.0	3253.6	3643.3	3634.2	3670.5	3797.4
32.5°	4123.6	3842.7	3403.1	3135.8	2859.3	2854.9	3221.9	3534.5	3525.5	3575.3	3670.5
35°	4001.3	3638.8	3076.9	2999.8	2727.9	2732.5	3144.9	3407.7	3412.2	3457.5	3516.4
37.5°	3874.4	3462.0	2718.9	2850.3	2601.1	2601.1	3040.6	3289.8	3280.8	3294.4	3376.0
40°	3724.9	3185.6	2401.7	2655.5	2483.3	2469.6	2913.8	3163.0	3131.2	3126.8	3240.0
42.5°	3566.3	2882.0	2166.0	2397.1	2347.3	2329.2	2759.6	3008.9	2950.0	2963.6	3108.5
45°	3394.1	2800.4	1984.7	2025.5	2206.8	2193.3	2592.0	2832.2	2791.4	2827.6	2977.2
47.5°	3221.9	2637.3	1925.9	1681.2	2057.3	2052.8	2406.2	2660.0	2637.3	2673.6	2832.2
50°	2986.3	2456.0	1921.4	1441.0	1889.6	1907.7	2184.2	2492.3	2492.3	2524.1	2691.7
52.5°	2682.6	2234.0	1744.6	1305.1	1694.7	1749.2	1989.3	2347.3	2356.3	2388.1	2537.6
55°	2406.2	2003.0	1617.7	1200.8	1463.6	1581.5	1799.0	2197.7	2215.9	2247.6	2383.6
57.5°	2152.5	1667.6	1590.6	1078.5	1250.6	1364.0	1631.4	2052.8	2061.9	2089.0	2220.4
60°	1880.6	1205.4	1459.2	947.1	1064.9	1151.0	1477.3	1880.6	1912.3	1930.4	2043.7
62.5°	1572.4	874.6	1323.2	856.5	974.3	992.4	1350.4	1717.4	1758.2	1771.8	1839.8
65°	1119.3	734.1	1123.8	779.4	879.1	883.6	1214.4	1549.8	1586.0	1608.7	1658.5
67.5°	756.8	598.1	856.5	706.9	806.6	811.1	1083.0	1354.9	1404.7	1422.9	1454.6
70°	525.7	398.7	634.4	629.8	725.1	734.1	942.5	1178.2	1223.5	1237.1	1255.2
72.5°	385.2	321.7	525.7	566.5	638.9	648.0	797.6	978.8	1024.1	1037.7	1046.8
75°	294.6	339.8	426.0	493.9	543.8	548.3	652.5	797.6	829.2	838.3	842.8
77.5°	235.7	317.2	312.7	398.7	444.1	435.1	512.1	616.3	643.5	643.5	643.5
80°	176.7	249.2	235.7	285.5	326.3	317.2	367.0	439.5	448.6	457.6	453.2
82.5°	131.4	158.6	158.6	181.3	217.5	208.4	244.7	285.5	285.5	285.5	294.6
85°	81.6	90.6	72.5	95.2	122.4	117.8	135.9	154.1	158.6	158.6	149.5
87.5°	49.8	40.8	22.7	36.2	54.4	54.4	63.5	67.9	63.5	63.5	63.5
90°	28.9	20.1	11.2	20.1	28.9	31.2	49.0	72.7	84.6	75.2	56.4
92.5°	196.0	120.2	44.5	120.2	196.0	214.9	302.2	418.5	476.7	417.8	300.0
95°	384.2	245.6	106.9	245.6	384.2	418.8	743.6	1176.8	1393.4	1243.4	943.4
97.5°	429.4	307.2	184.9	307.2	429.4	460.1	1001.7	1723.9	2085.1	1990.3	1800.7
100°	466.8	355.9	245.0	355.9	466.8	494.5	1095.6	1897.1	2297.9	2304.8	2318.7
102.5°	503.2	399.7	296.3	399.7	503.2	529.1	1138.7	1951.6	2358.0	2478.8	2720.3
105°	558.4	470.8	383.2	470.8	558.4	580.3	1170.7	1957.8	2351.3	2622.2	3163.7
107.5°	635.6	554.0	472.3	554.0	635.6	656.1	1176.6	1870.6	2217.6	2595.4	3350.8
110°	679.9	606.2	532.4	606.2	679.9	698.4	1167.6	1793.4	2106.2	2528.5	3373.0



TEST NUMBER: P935327

CATALOG NUMBER: SQ4-FA-100U-125D-92765-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	732.0	661.8	591.5	661.8	732.0	749.6	1168.1	1726.0	2004.9	2437.1	3301.4
115°	810.2	745.4	680.5	745.4	810.2	826.5	1178.8	1648.6	1883.5	2299.8	3132.5
117.5°	886.4	827.5	768.5	827.5	886.4	901.1	1200.8	1600.2	1800.0	2175.7	2927.2
120°	930.7	875.2	819.8	875.2	930.7	944.6	1218.6	1584.0	1766.6	2109.9	2796.5
122.5°	981.8	925.9	869.9	925.9	981.8	995.8	1244.2	1575.4	1741.0	2050.1	2668.4
125°	1048.7	997.8	946.8	997.8	1048.7	1061.5	1278.7	1568.3	1713.1	1975.7	2500.9
127.5°	1112.1	1060.6	1009.1	1060.6	1112.1	1125.0	1313.2	1564.2	1689.7	1915.2	2366.2
130°	1153.4	1098.0	1042.6	1098.0	1153.4	1167.3	1338.5	1566.7	1680.8	1881.6	2283.1
132.5°	1188.0	1132.6	1077.1	1132.6	1188.0	1201.8	1358.8	1568.2	1672.9	1852.6	2212.1
135°	1229.3	1178.8	1128.4	1178.8	1229.3	1241.9	1381.2	1566.8	1659.6	1810.1	2111.0
137.5°	1280.6	1230.7	1180.7	1230.7	1280.6	1293.1	1414.5	1576.5	1657.4	1784.6	2039.1
140°	1316.2	1270.2	1224.1	1270.2	1316.2	1327.7	1435.0	1578.1	1649.6	1759.4	1979.3
142.5°	1342.7	1300.1	1257.5	1300.1	1342.7	1353.3	1452.0	1583.7	1649.6	1746.1	1939.2
145°	1383.0	1345.9	1308.8	1345.9	1383.0	1392.3	1474.3	1583.8	1638.5	1717.4	1875.3
147.5°	1432.3	1396.1	1360.0	1396.1	1432.3	1441.3	1507.0	1594.7	1638.5	1700.6	1824.9
150°	1458.7	1426.0	1393.4	1426.0	1458.7	1466.9	1524.1	1600.4	1638.5	1691.0	1795.9
152.5°	1477.5	1452.6	1427.9	1452.6	1477.5	1483.6	1535.2	1604.0	1638.5	1683.3	1772.8
155°	1515.8	1497.5	1479.2	1497.5	1515.8	1520.4	1559.8	1612.3	1638.5	1674.1	1745.3
157.5°	1552.7	1534.9	1517.0	1534.9	1552.7	1557.2	1584.3	1620.5	1638.5	1666.2	1721.6
160°	1570.4	1556.6	1542.6	1556.6	1570.4	1573.9	1595.4	1624.1	1638.5	1662.2	1709.7
162.5°	1589.0	1578.6	1568.2	1578.6	1589.0	1591.6	1607.3	1628.0	1638.5	1658.5	1698.6
165°	1614.9	1605.5	1596.1	1605.5	1614.9	1617.2	1624.3	1633.8	1638.5	1652.9	1681.5
167.5°	1630.6	1626.2	1621.7	1626.2	1630.6	1631.8	1637.7	1645.6	1649.6	1659.0	1677.9
170°	1647.4	1643.0	1638.5	1643.0	1647.4	1648.5	1648.8	1649.3	1649.6	1659.0	1677.9
172.5°	1649.3	1648.3	1647.3	1648.3	1649.3	1649.6	1649.6	1649.6	1649.6	1657.0	1671.9
175°	1659.6	1659.6	1659.6	1659.6	1659.6	1659.6	1656.3	1651.8	1649.6	1654.3	1663.7
177.5°	1659.6	1659.6	1659.6	1659.6	1659.6	1659.6	1657.1	1653.6	1651.8	1655.5	1663.0
180°	1659.6	1659.6	1659.6	1659.6	1659.6	1659.6	1659.6	1659.6	1659.6	1659.6	1659.6



TEST NUMBER: P935327

CATALOG NUMBER: SQ4-FA-100U-125D-92765-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	4789.8	4789.8	4789.8	4789.8	4789.8	4789.8	4789.8	4789.8	4789.8	4789.8	4789.8
2.5°	4622.1	4608.5	4626.6	4576.8	4626.6	4608.5	4622.1	4653.9	4626.6	4644.7	4662.9
5°	4055.7	4033.0	3960.5	3901.6	3960.5	4033.0	4055.7	4150.9	4196.1	4277.7	4386.4
7.5°	3625.2	3607.1	3589.0	3552.7	3589.0	3607.1	3625.2	3652.3	3697.7	3770.2	3851.7
10°	3530.0	3534.5	3561.7	3557.2	3561.7	3534.5	3530.0	3520.9	3507.4	3520.9	3570.8
12.5°	3774.7	3815.5	3965.0	3956.0	3965.0	3815.5	3774.7	3593.4	3471.1	3448.5	3457.5
15°	4055.7	4069.3	4101.0	4105.5	4101.0	4069.3	4055.7	3983.1	3616.1	3457.5	3407.7
17.5°	4082.8	4087.4	4110.1	4110.1	4110.1	4087.4	4082.8	4051.2	3928.8	3715.8	3434.9
20°	4060.2	4069.3	4114.6	4123.6	4114.6	4069.3	4060.2	4019.4	3951.5	3874.4	3661.4
22.5°	4051.2	4069.3	4105.5	4101.0	4105.5	4069.3	4051.2	3987.7	3928.8	3874.4	3788.3
25°	4005.8	4005.8	4010.4	4014.9	4010.4	4005.8	4005.8	3956.0	3838.2	3824.5	3774.7
27.5°	3910.7	3919.8	3946.9	3942.3	3946.9	3919.8	3910.7	3892.5	3765.7	3752.0	3715.8
30°	3824.5	3815.5	3792.8	3774.7	3792.8	3815.5	3824.5	3797.4	3670.5	3634.2	3643.3
32.5°	3679.6	3656.9	3634.2	3620.6	3634.2	3656.9	3679.6	3670.5	3575.3	3525.5	3534.5
35°	3507.4	3511.9	3507.4	3493.8	3507.4	3511.9	3507.4	3516.4	3457.5	3412.2	3407.7
37.5°	3385.0	3394.1	3389.5	3371.4	3389.5	3394.1	3385.0	3376.0	3294.4	3280.8	3289.8
40°	3258.2	3262.7	3258.2	3244.5	3258.2	3262.7	3258.2	3240.0	3126.8	3131.2	3163.0
42.5°	3135.8	3131.2	3117.7	3108.5	3117.7	3131.2	3135.8	3108.5	2963.6	2950.0	3008.9
45°	2995.3	2999.8	2972.6	2959.0	2972.6	2999.8	2995.3	2977.2	2827.6	2791.4	2832.2
47.5°	2854.9	2854.9	2832.2	2818.5	2832.2	2854.9	2854.9	2832.2	2673.6	2637.3	2660.0
50°	2705.3	2700.8	2669.0	2664.5	2669.0	2700.8	2705.3	2691.7	2524.1	2492.3	2492.3
52.5°	2533.1	2533.1	2537.6	2546.6	2537.6	2533.1	2533.1	2537.6	2388.1	2356.3	2347.3
55°	2383.6	2388.1	2419.8	2428.9	2419.8	2388.1	2383.6	2383.6	2247.6	2215.9	2197.7
57.5°	2229.5	2229.5	2252.2	2252.2	2252.2	2229.5	2229.5	2220.4	2089.0	2061.9	2052.8
60°	2052.8	2061.9	2080.0	2075.4	2080.0	2061.9	2052.8	2043.7	1930.4	1912.3	1880.6
62.5°	1867.0	1876.0	1880.6	1871.5	1880.6	1876.0	1867.0	1839.8	1771.8	1758.2	1717.4
65°	1672.1	1681.2	1685.7	1676.6	1685.7	1681.2	1672.1	1658.5	1608.7	1586.0	1549.8
67.5°	1472.7	1468.2	1463.6	1481.7	1463.6	1468.2	1472.7	1454.6	1422.9	1404.7	1354.9
70°	1268.8	1268.8	1264.3	1273.3	1264.3	1268.8	1268.8	1255.2	1237.1	1223.5	1178.2
72.5°	1051.3	1046.8	1064.9	1051.3	1064.9	1046.8	1051.3	1046.8	1037.7	1024.1	978.8
75°	838.3	847.4	838.3	851.9	838.3	847.4	838.3	842.8	838.3	829.2	797.6
77.5°	638.9	648.0	638.9	638.9	638.9	648.0	638.9	643.5	643.5	643.5	616.3
80°	453.2	448.6	448.6	444.1	448.6	448.6	453.2	453.2	457.6	448.6	439.5
82.5°	290.0	285.5	285.5	294.6	285.5	285.5	290.0	294.6	285.5	285.5	285.5
85°	158.6	163.2	154.1	154.1	154.1	163.2	158.6	149.5	158.6	158.6	154.1
87.5°	58.9	54.4	54.4	54.4	54.4	54.4	58.9	63.5	63.5	63.5	67.9
90°	42.3	42.3	42.3	42.3	42.3	42.3	42.3	56.4	75.2	84.6	72.7
92.5°	211.6	203.2	169.5	135.9	169.5	203.2	211.6	300.0	417.8	476.7	418.5
95°	718.4	692.9	590.9	489.0	590.9	692.9	718.4	943.4	1243.4	1393.4	1176.8
97.5°	1658.5	1610.0	1416.0	1221.9	1416.0	1610.0	1658.5	1800.7	1990.3	2085.1	1723.9
100°	2329.0	2271.3	2040.1	1808.9	2040.1	2271.3	2329.0	2318.7	2304.8	2297.9	1897.1
102.5°	2901.6	2852.0	2654.0	2456.0	2654.0	2852.0	2901.6	2720.3	2478.8	2358.0	1951.6
105°	3569.9	3543.3	3436.8	3330.4	3436.8	3543.3	3569.9	3163.7	2622.2	2351.3	1957.8
107.5°	3917.4	3923.8	3949.6	3975.3	3949.6	3923.8	3917.4	3350.8	2595.4	2217.6	1870.6
110°	4006.4	4034.2	4145.1	4256.0	4145.1	4034.2	4006.4	3373.0	2528.5	2106.2	1793.4



TEST NUMBER: P935327

CATALOG NUMBER: SQ4-FA-100U-125D-92765-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3949.7	3992.2	4162.6	4332.9	4162.6	3992.2	3949.7	3301.4	2437.1	2004.9	1726.0
115°	3756.9	3816.0	4052.1	4288.2	4052.1	3816.0	3756.9	3132.5	2299.8	1883.5	1648.6
117.5°	3490.8	3556.2	3818.1	4080.0	3818.1	3556.2	3490.8	2927.2	2175.7	1800.0	1600.2
120°	3311.4	3375.1	3629.5	3884.0	3629.5	3375.1	3311.4	2796.5	2109.9	1766.6	1584.0
122.5°	3132.1	3194.9	3445.8	3696.8	3445.8	3194.9	3132.1	2668.4	2050.1	1741.0	1575.4
125°	2894.9	2952.6	3183.8	3415.0	3183.8	2952.6	2894.9	2500.9	1975.7	1713.1	1568.3
127.5°	2704.4	2753.1	2948.2	3143.3	2948.2	2753.1	2704.4	2366.2	1915.2	1689.7	1564.2
130°	2584.1	2629.2	2809.3	2989.6	2809.3	2629.2	2584.1	2283.1	1881.6	1680.8	1566.7
132.5°	2481.7	2522.0	2683.4	2844.8	2683.4	2522.0	2481.7	2212.1	1852.6	1672.9	1568.2
135°	2336.8	2371.6	2510.7	2649.8	2510.7	2371.6	2336.8	2111.0	1810.1	1659.6	1566.8
137.5°	2229.9	2258.4	2372.2	2486.1	2372.2	2258.4	2229.9	2039.1	1784.6	1657.4	1576.5
140°	2144.2	2170.8	2277.3	2383.7	2277.3	2170.8	2144.2	1979.3	1759.4	1649.6	1578.1
142.5°	2084.0	2106.9	2198.4	2290.0	2198.4	2106.9	2084.0	1939.2	1746.1	1649.6	1583.7
145°	1993.8	2011.1	2080.4	2149.7	2080.4	2011.1	1993.8	1875.3	1717.4	1638.5	1583.8
147.5°	1918.1	1932.4	1989.8	2047.2	1989.8	1932.4	1918.1	1824.9	1700.6	1638.5	1594.7
150°	1874.6	1886.2	1932.8	1979.3	1932.8	1886.2	1874.6	1795.9	1691.0	1638.5	1600.4
152.5°	1840.0	1848.8	1884.0	1919.1	1884.0	1848.8	1840.0	1772.8	1683.3	1638.5	1604.0
155°	1798.8	1804.6	1827.9	1851.2	1827.9	1804.6	1798.8	1745.3	1674.1	1638.5	1612.3
157.5°	1763.2	1767.3	1783.6	1800.0	1783.6	1767.3	1763.2	1721.6	1666.2	1638.5	1620.5
160°	1745.3	1747.7	1757.1	1766.6	1757.1	1747.7	1745.3	1709.7	1662.2	1638.5	1624.1
162.5°	1728.6	1730.9	1739.8	1748.7	1739.8	1730.9	1728.6	1698.6	1658.5	1638.5	1628.0
165°	1703.0	1705.4	1714.8	1724.2	1714.8	1705.4	1703.0	1681.5	1652.9	1638.5	1633.8
167.5°	1692.0	1692.9	1696.9	1700.8	1696.9	1692.9	1692.0	1677.9	1659.0	1649.6	1645.6
170°	1692.0	1692.0	1692.0	1692.0	1692.0	1692.0	1692.0	1677.9	1659.0	1649.6	1649.3
172.5°	1683.0	1682.1	1678.7	1675.2	1678.7	1682.1	1683.0	1671.9	1657.0	1649.6	1649.6
175°	1670.7	1670.7	1670.7	1670.7	1670.7	1670.7	1670.7	1663.7	1654.3	1649.6	1651.8
177.5°	1668.5	1667.5	1663.6	1659.6	1663.6	1667.5	1668.5	1663.0	1655.5	1651.8	1653.6
180°	1659.6	1659.6	1659.6	1659.6	1659.6	1659.6	1659.6	1659.6	1659.6	1659.6	1659.6



TEST NUMBER: P935327

CATALOG NUMBER: SQ4-FA-100U-125D-92765-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	4789.8	4789.8	4789.8	4789.8	4789.8
2.5°	4730.9	4753.6	4767.1	4785.2	4830.6
5°	4549.6	4635.7	4662.9	4730.9	4812.4
7.5°	4150.9	4413.6	4486.1	4649.3	4776.1
10°	3765.7	4028.5	4155.3	4540.6	4730.9
12.5°	3570.8	3724.9	3811.0	4350.2	4667.4
15°	3448.5	3557.2	3620.6	4096.4	4594.9
17.5°	3353.3	3430.3	3475.7	3847.2	4495.2
20°	3294.4	3330.6	3371.4	3666.0	4382.0
22.5°	3253.6	3230.9	3262.7	3539.1	4227.9
25°	3226.4	3140.3	3176.6	3439.4	4046.6
27.5°	3249.0	3058.7	3072.3	3348.8	3856.3
30°	3253.6	2959.0	2963.6	3253.6	3643.3
32.5°	3221.9	2854.9	2859.3	3135.8	3403.1
35°	3144.9	2732.5	2727.9	2999.8	3076.9
37.5°	3040.6	2601.1	2601.1	2850.3	2718.9
40°	2913.8	2469.6	2483.3	2655.5	2401.7
42.5°	2759.6	2329.2	2347.3	2397.1	2166.0
45°	2592.0	2193.3	2206.8	2025.5	1984.7
47.5°	2406.2	2052.8	2057.3	1681.2	1925.9
50°	2184.2	1907.7	1889.6	1441.0	1921.4
52.5°	1989.3	1749.2	1694.7	1305.1	1744.6
55°	1799.0	1581.5	1463.6	1200.8	1617.7
57.5°	1631.4	1364.0	1250.6	1078.5	1590.6
60°	1477.3	1151.0	1064.9	947.1	1459.2
62.5°	1350.4	992.4	974.3	856.5	1323.2
65°	1214.4	883.6	879.1	779.4	1123.8
67.5°	1083.0	811.1	806.6	706.9	856.5
70°	942.5	734.1	725.1	629.8	634.4
72.5°	797.6	648.0	638.9	566.5	525.7
75°	652.5	548.3	543.8	493.9	426.0
77.5°	512.1	435.1	444.1	398.7	312.7
80°	367.0	317.2	326.3	285.5	235.7
82.5°	244.7	208.4	217.5	181.3	158.6
85°	135.9	117.8	122.4	95.2	72.5
87.5°	63.5	54.4	54.4	36.2	22.7
90°	49.0	31.2	28.9	20.1	11.2
92.5°	302.2	214.9	196.0	120.2	44.5
95°	743.6	418.8	384.2	245.6	106.9
97.5°	1001.7	460.1	429.4	307.2	184.9
100°	1095.6	494.5	466.8	355.9	245.0
102.5°	1138.7	529.1	503.2	399.7	296.3
105°	1170.7	580.3	558.4	470.8	383.2
107.5°	1176.6	656.1	635.6	554.0	472.3
110°	1167.6	698.4	679.9	606.2	532.4



TEST NUMBER: P935327

CATALOG NUMBER: SQ4-FA-100U-125D-92765-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1168.1	749.6	732.0	661.8	591.5
115°	1178.8	826.5	810.2	745.4	680.5
117.5°	1200.8	901.1	886.4	827.5	768.5
120°	1218.6	944.6	930.7	875.2	819.8
122.5°	1244.2	995.8	981.8	925.9	869.9
125°	1278.7	1061.5	1048.7	997.8	946.8
127.5°	1313.2	1125.0	1112.1	1060.6	1009.1
130°	1338.5	1167.3	1153.4	1098.0	1042.6
132.5°	1358.8	1201.8	1188.0	1132.6	1077.1
135°	1381.2	1241.9	1229.3	1178.8	1128.4
137.5°	1414.5	1293.1	1280.6	1230.7	1180.7
140°	1435.0	1327.7	1316.2	1270.2	1224.1
142.5°	1452.0	1353.3	1342.7	1300.1	1257.5
145°	1474.3	1392.3	1383.0	1345.9	1308.8
147.5°	1507.0	1441.3	1432.3	1396.1	1360.0
150°	1524.1	1466.9	1458.7	1426.0	1393.4
152.5°	1535.2	1483.6	1477.5	1452.6	1427.9
155°	1559.8	1520.4	1515.8	1497.5	1479.2
157.5°	1584.3	1557.2	1552.7	1534.9	1517.0
160°	1595.4	1573.9	1570.4	1556.6	1542.6
162.5°	1607.3	1591.6	1589.0	1578.6	1568.2
165°	1624.3	1617.2	1614.9	1605.5	1596.1
167.5°	1637.7	1631.8	1630.6	1626.2	1621.7
170°	1648.8	1648.5	1647.4	1643.0	1638.5
172.5°	1649.6	1649.6	1649.3	1648.3	1647.3
175°	1656.3	1659.6	1659.6	1659.6	1659.6
177.5°	1657.1	1659.6	1659.6	1659.6	1659.6
180°	1659.6	1659.6	1659.6	1659.6	1659.6



TEST NUMBER: P935327
 CATALOG NUMBER: SQ4-FA-100U-125D-92765-1D-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	14.50	15.40	15.43	16.34	17.56	17.36	18.25	18.28	19.19	20.41
	3H	14.98	15.79	15.92	16.74	17.98	18.71	19.51	19.65	20.46	21.71
	4H	15.18	15.93	16.13	16.89	18.14	19.16	19.92	20.11	20.88	22.13
	6H	15.30	16.00	16.26	16.96	18.22	19.45	20.15	20.42	21.11	22.38
	8H	15.30	15.96	16.27	16.94	18.21	19.53	20.20	20.50	21.18	22.44
	12H	15.27	15.90	16.25	16.88	18.16	19.57	20.21	20.55	21.18	22.47
4H	2H	15.55	16.30	16.50	17.26	18.51	17.77	18.53	18.72	19.48	20.73
	3H	16.58	17.21	17.54	18.20	19.46	19.28	19.91	20.25	20.90	22.17
	4H	16.85	17.43	17.83	18.41	19.70	19.82	20.39	20.79	21.37	22.67
	6H	16.98	17.48	17.97	18.48	19.77	20.19	20.69	21.18	21.69	22.98
	8H	16.99	17.45	17.98	18.45	19.75	20.30	20.76	21.29	21.76	23.07
	12H	16.96	17.37	17.97	18.39	19.70	20.36	20.78	21.37	21.80	23.10
8H	4H	17.31	17.78	18.30	18.78	20.08	19.94	20.41	20.93	21.41	22.71
	6H	17.58	17.96	18.59	19.00	20.30	20.39	20.77	21.40	21.81	23.11
	8H	17.62	17.96	18.64	18.98	20.30	20.54	20.88	21.57	21.91	23.23
	12H	17.60	17.90	18.63	18.92	20.29	20.65	20.94	21.67	21.97	23.33
12H	4H	17.32	17.74	18.33	18.75	20.06	19.91	20.33	20.92	21.34	22.65
	6H	17.64	17.98	18.66	19.00	20.32	20.38	20.72	21.41	21.75	23.07
	8H	17.71	18.00	18.73	19.03	20.39	20.55	20.85	21.58	21.87	23.23