

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: P935328

Luminaire Tested: SQ4-FA-100U-125D-92765-1D-UNV-STD-W-12-4000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935328
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-12-4000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

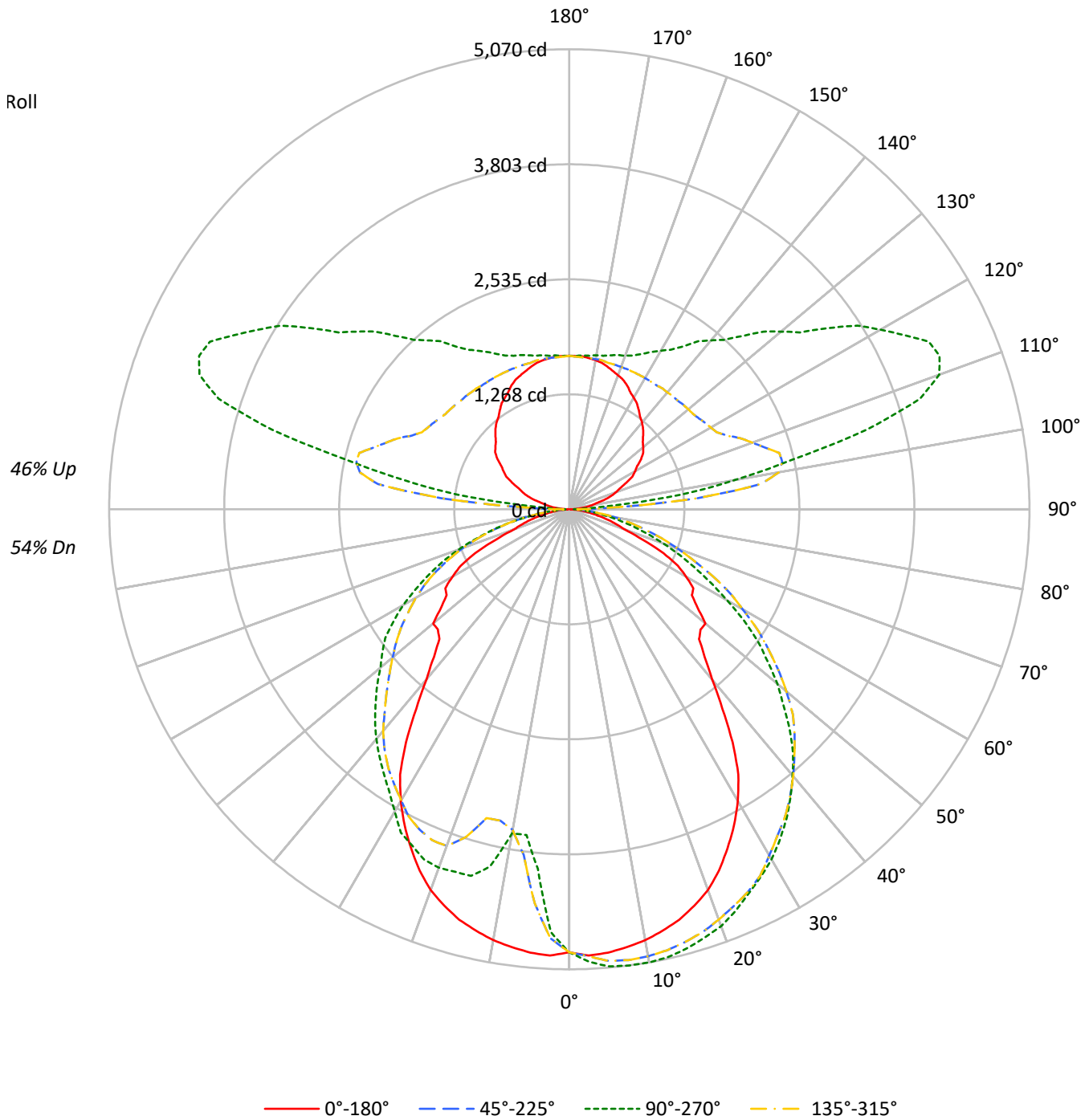
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23626.0 lumens
Efficiency: N/A
Efficacy: 114.5 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

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Luminous Intensity Polar Plot





TEST NUMBER: P935328

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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	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°	15098	15098	15098	15098
5°	15216	15240	15216	11984
10°	15120	15012	15120	10733
15°	14961	14687	14961	12264
20°	14654	14302	14654	12290
25°	14019	13740	14019	12029
30°	13197	13273	13197	11458
35°	11771	12683	11771	10829
40°	9814	11988	9814	10354
45°	8774	11175	8774	9808
50°	9329	10205	9329	9260
55°	8785	9160	8785	8943
60°	9068	7780	9068	8191
65°	8234	6432	8234	7189
70°	5716	5125	5716	6026
75°	5031	3789	5031	4537
80°	4084	2505	4084	2727
85°	2395	1327	2395	1128

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 13439 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	440.6	1.9
10°-20°	1251.0	5.3
20°-30°	1933.8	8.2
30°-40°	2308.6	9.8
40°-50°	2322.1	9.8
50°-60°	2020.5	8.6
60°-70°	1432.6	6.1
70°-80°	757.9	3.2
80°-90°	195.2	0.8
90°-100°	824.4	3.5
100°-110°	2167.4	9.2
110°-120°	2247.4	9.5
120°-130°	1802.7	7.6
130°-140°	1414.5	6.0
140°-150°	1085.6	4.6
150°-160°	781.8	3.3
160°-170°	478.4	2.0
170°-180°	161.6	0.7
0°-30°	3625.4	15.3
0°-40°	5934.0	25.1
0°-60°	10276.5	43.5
0°-90°	12662.2	53.6
90°-120°	5239.2	22.2
90°-150°	9541.9	40.4
90°-180°	10964.0	46.4
0°-180°	23626.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	4881	4881	4881	4881	4881	
5°	4904	5057	4904	3976	4904	465
15°	4682	5010	4682	4184	4682	1317
25°	4124	4673	4124	4092	4124	1893
35°	3136	4170	3136	3560	3136	1940
45°	2023	3436	2023	3015	2023	1620
55°	1648	2535	1648	2475	1648	1515
65°	1145	1529	1145	1709	1145	1095
75°	434	725	434	868	434	456
85°	74	185	74	157	74	100
90°	11	43	11	43	11	13
95°	109	498	109	498	109	121
105°	390	3394	390	3394	390	414
115°	694	4370	694	4370	694	685
125°	965	3480	965	3480	965	857
135°	1150	2700	1150	2700	1150	890
145°	1334	2191	1334	2191	1334	836
155°	1507	1886	1507	1886	1507	693
165°	1626	1757	1626	1757	1626	459
175°	1691	1703	1691	1703	1691	161
180°	1691	1691	1691	1691	1691	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	4881.1	4881.1	4881.1	4881.1	4881.1	4881.1	4881.1	4881.1	4881.1	4881.1	4881.1
2.5°	4922.7	4922.7	4950.3	4959.6	4959.6	4945.7	4931.9	4945.7	4987.3	5001.2	4996.5
5°	4904.1	4941.1	4991.9	5001.2	5010.4	5005.7	4996.5	5005.7	5051.9	5061.2	5065.8
7.5°	4867.2	4936.5	5001.2	5015.0	5028.8	5015.0	5010.4	5019.6	5065.8	5075.0	5075.0
10°	4821.1	4918.0	4991.9	5001.2	5015.0	5001.2	5001.2	5019.6	5065.8	5075.0	5079.7
12.5°	4756.4	4890.3	4959.6	4968.8	4987.3	4982.6	4978.1	4996.5	5042.7	5051.9	5051.9
15°	4682.5	4839.5	4904.1	4913.4	4945.7	4936.5	4936.5	4955.0	5005.7	5019.6	5015.0
17.5°	4580.9	4774.9	4848.7	4862.6	4885.7	4881.1	4885.7	4904.1	4950.3	4959.6	4964.2
20°	4465.5	4687.1	4774.9	4788.7	4811.8	4811.8	4811.8	4834.9	4881.1	4899.6	4899.6
22.5°	4308.5	4594.8	4687.1	4696.4	4724.1	4724.1	4733.3	4765.6	4807.2	4811.8	4811.8
25°	4123.7	4493.2	4571.7	4599.4	4627.1	4641.0	4654.8	4673.3	4687.1	4682.5	4687.1
27.5°	3929.8	4363.9	4465.5	4484.0	4520.9	4534.7	4553.2	4557.8	4562.5	4576.3	4567.1
30°	3712.8	4183.8	4336.1	4354.6	4414.7	4423.9	4405.5	4414.7	4437.8	4447.0	4456.2
32.5°	3468.0	3916.0	4202.3	4243.8	4299.2	4271.6	4266.9	4280.8	4317.7	4317.7	4327.0
35°	3135.5	3708.1	4077.5	4114.5	4156.0	4123.7	4142.2	4146.9	4170.0	4183.8	4179.1
37.5°	2770.8	3528.0	3948.3	3976.0	4008.3	3966.7	3994.5	4008.3	4026.8	4017.5	4017.5
40°	2447.5	3246.3	3795.9	3814.4	3842.0	3809.7	3837.5	3846.7	3856.0	3846.7	3842.0
42.5°	2207.3	2936.9	3634.3	3657.4	3638.9	3661.9	3671.2	3689.7	3675.8	3657.4	3657.4
45°	2022.6	2853.8	3458.8	3486.5	3458.8	3495.7	3509.6	3509.6	3468.0	3458.8	3454.2
47.5°	1962.6	2687.6	3283.3	3283.3	3269.4	3315.6	3338.7	3306.3	3264.9	3251.0	3251.0
50°	1958.0	2502.9	3043.2	3024.7	3089.3	3144.8	3121.7	3089.3	3057.0	3006.3	3006.3
52.5°	1777.9	2276.6	2733.7	2803.0	2904.7	2936.9	2900.0	2867.7	2812.2	2789.2	2770.8
55°	1648.5	2041.1	2452.1	2590.6	2696.8	2738.4	2669.1	2636.8	2553.7	2539.8	2530.6
57.5°	1620.9	1699.4	2193.5	2369.0	2498.2	2493.7	2452.1	2392.1	2322.8	2308.9	2304.3
60°	1487.0	1228.4	1916.4	2124.2	2258.2	2244.3	2207.3	2151.9	2087.3	2078.1	2068.8
62.5°	1348.4	891.3	1602.4	1837.9	2027.2	2022.6	1990.3	1907.1	1861.0	1837.9	1819.5
65°	1145.2	748.1	1140.6	1528.6	1801.0	1810.2	1741.0	1680.9	1630.1	1602.4	1597.8
67.5°	872.8	609.5	771.2	1274.5	1584.0	1574.7	1487.0	1459.2	1394.6	1380.7	1353.0
70°	646.5	406.3	535.7	1034.4	1371.5	1348.4	1279.1	1246.8	1186.8	1154.4	1136.0
72.5°	535.7	327.8	392.5	803.5	1154.4	1126.8	1066.7	1029.8	979.0	951.3	932.8
75°	434.1	346.3	300.2	595.7	937.4	918.9	863.5	826.6	785.0	748.1	752.7
77.5°	318.6	323.3	240.1	438.7	743.4	715.8	683.4	637.3	618.8	581.9	581.9
80°	240.1	254.0	180.1	300.2	535.7	535.7	507.9	475.6	443.4	424.8	424.8
82.5°	161.6	161.6	133.9	189.3	364.9	350.9	332.5	323.3	304.8	295.5	295.5
85°	73.9	92.3	83.1	115.4	198.6	207.8	207.8	198.6	193.9	184.7	189.3
87.5°	23.1	41.6	50.8	64.7	101.6	106.2	110.8	110.8	110.8	115.4	115.4
90°	11.4	20.5	29.5	31.7	49.9	74.1	86.2	76.7	57.5	43.1	43.1
92.5°	45.4	122.5	199.8	219.0	308.0	426.5	485.8	425.8	305.7	215.7	207.1
95°	109.0	250.2	391.5	426.8	757.8	1199.3	1419.9	1267.1	961.4	732.1	706.1
97.5°	188.4	313.0	437.6	468.8	1020.8	1756.8	2124.8	2028.2	1835.0	1690.1	1640.7
100°	249.7	362.7	475.6	503.9	1116.5	1933.3	2341.7	2348.8	2362.9	2373.4	2314.6
102.5°	301.9	407.3	512.8	539.1	1160.4	1988.8	2403.0	2526.1	2772.2	2956.9	2906.4
105°	390.5	479.7	569.1	591.4	1193.0	1995.1	2396.2	2672.1	3224.0	3637.9	3610.8
107.5°	481.3	564.5	647.8	668.6	1199.0	1906.2	2259.9	2644.9	3414.7	3992.0	3998.6
110°	542.6	617.7	692.9	711.7	1189.9	1827.6	2146.4	2576.7	3437.3	4082.8	4111.1



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	602.7	674.4	746.0	763.9	1190.4	1758.9	2043.1	2483.6	3364.4	4025.0	4068.4
115°	693.5	759.6	825.7	842.2	1201.3	1680.0	1919.4	2343.7	3192.2	3828.6	3888.7
117.5°	783.2	843.2	903.3	918.3	1223.6	1630.7	1834.3	2217.1	2983.0	3557.3	3624.0
120°	835.4	891.9	948.5	962.6	1241.8	1614.2	1800.3	2150.1	2849.8	3374.6	3439.4
122.5°	886.5	943.6	1000.5	1014.8	1267.9	1605.4	1774.2	2089.2	2719.3	3191.8	3255.8
125°	964.9	1016.8	1068.7	1081.7	1303.1	1598.2	1745.8	2013.4	2548.6	2950.0	3008.9
127.5°	1028.3	1080.8	1133.3	1146.4	1338.3	1594.0	1721.9	1951.7	2411.3	2755.9	2805.6
130°	1062.5	1118.9	1175.4	1189.5	1364.0	1596.6	1712.8	1917.4	2326.6	2633.4	2679.3
132.5°	1097.7	1154.1	1210.6	1224.7	1384.7	1598.1	1704.8	1888.0	2254.3	2529.0	2570.1
135°	1149.9	1201.3	1252.8	1265.6	1407.5	1596.7	1691.3	1844.7	2151.3	2381.3	2416.8
137.5°	1203.2	1254.1	1305.1	1317.8	1441.5	1606.5	1689.0	1818.6	2078.0	2272.5	2301.5
140°	1247.5	1294.4	1341.3	1353.0	1462.3	1608.1	1681.0	1793.0	2017.0	2185.0	2212.1
142.5°	1281.5	1324.9	1368.3	1379.1	1479.7	1613.9	1681.0	1779.4	1976.2	2123.7	2147.0
145°	1333.7	1371.6	1409.4	1418.9	1502.4	1614.0	1669.7	1750.1	1911.1	2031.8	2049.4
147.5°	1385.9	1422.8	1459.6	1468.8	1535.7	1625.1	1669.7	1733.0	1859.7	1954.6	1969.3
150°	1419.9	1453.2	1486.5	1494.9	1553.2	1630.9	1669.7	1723.2	1830.1	1910.3	1922.2
152.5°	1455.1	1480.3	1505.6	1511.9	1564.5	1634.6	1669.7	1715.4	1806.6	1875.1	1884.0
155°	1507.4	1526.0	1544.7	1549.4	1589.5	1643.0	1669.7	1706.0	1778.6	1833.1	1839.0
157.5°	1545.9	1564.1	1582.3	1586.9	1614.5	1651.4	1669.7	1697.9	1754.4	1796.8	1801.0
160°	1572.0	1586.2	1600.3	1603.9	1625.8	1655.1	1669.7	1693.9	1742.3	1778.6	1781.0
162.5°	1598.1	1608.7	1619.3	1622.0	1637.9	1659.1	1669.7	1690.1	1730.9	1761.6	1763.9
165°	1626.5	1636.1	1645.7	1648.1	1655.3	1664.9	1669.7	1684.4	1713.6	1735.5	1737.9
167.5°	1652.6	1657.2	1661.7	1662.9	1668.9	1677.0	1681.0	1690.7	1709.8	1724.2	1725.2
170°	1669.7	1674.3	1678.8	1679.9	1680.3	1680.7	1681.0	1690.7	1709.8	1724.2	1724.2
172.5°	1678.7	1679.7	1680.7	1681.0	1681.0	1681.0	1681.0	1688.6	1703.8	1715.1	1714.2
175°	1691.3	1691.3	1691.3	1691.3	1687.8	1683.3	1681.0	1685.8	1695.4	1702.6	1702.6
177.5°	1691.3	1691.3	1691.3	1691.3	1688.7	1685.1	1683.3	1687.1	1694.7	1700.3	1699.3
180°	1691.3	1691.3	1691.3	1691.3	1691.3	1691.3	1691.3	1691.3	1691.3	1691.3	1691.3



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	4881.1	4881.1	4881.1	4881.1	4881.1	4881.1	4881.1	4881.1	4881.1	4881.1	4881.1
2.5°	5005.7	4991.9	5005.7	4996.5	5001.2	4987.3	4945.7	4931.9	4945.7	4959.6	4959.6
5°	5065.8	5056.6	5065.8	5065.8	5061.2	5051.9	5005.7	4996.5	5005.7	5010.4	5001.2
7.5°	5084.2	5070.4	5084.2	5075.0	5075.0	5065.8	5019.6	5010.4	5015.0	5028.8	5015.0
10°	5084.2	5070.4	5084.2	5079.7	5075.0	5065.8	5019.6	5001.2	5001.2	5015.0	5001.2
12.5°	5061.2	5051.9	5061.2	5051.9	5051.9	5042.7	4996.5	4978.1	4982.6	4987.3	4968.8
15°	5024.2	5010.4	5024.2	5015.0	5019.6	5005.7	4955.0	4936.5	4936.5	4945.7	4913.4
17.5°	4968.8	4950.3	4968.8	4964.2	4959.6	4950.3	4904.1	4885.7	4881.1	4885.7	4862.6
20°	4904.1	4890.3	4904.1	4899.6	4899.6	4881.1	4834.9	4811.8	4811.8	4811.8	4788.7
22.5°	4802.6	4788.7	4802.6	4811.8	4811.8	4807.2	4765.6	4733.3	4724.1	4724.1	4696.4
25°	4687.1	4673.3	4687.1	4687.1	4682.5	4687.1	4673.3	4654.8	4641.0	4627.1	4599.4
27.5°	4576.3	4567.1	4576.3	4567.1	4576.3	4562.5	4557.8	4553.2	4534.7	4520.9	4484.0
30°	4465.5	4456.2	4465.5	4456.2	4447.0	4437.8	4414.7	4405.5	4423.9	4414.7	4354.6
32.5°	4327.0	4317.7	4327.0	4327.0	4317.7	4317.7	4280.8	4266.9	4271.6	4299.2	4243.8
35°	4183.8	4170.0	4183.8	4179.1	4183.8	4170.0	4146.9	4142.2	4123.7	4156.0	4114.5
37.5°	4017.5	4003.7	4017.5	4017.5	4017.5	4026.8	4008.3	3994.5	3966.7	4008.3	3976.0
40°	3846.7	3828.2	3846.7	3842.0	3846.7	3856.0	3846.7	3837.5	3809.7	3842.0	3814.4
42.5°	3652.7	3648.1	3652.7	3657.4	3657.4	3675.8	3689.7	3671.2	3661.9	3638.9	3657.4
45°	3444.9	3435.7	3444.9	3454.2	3458.8	3468.0	3509.6	3509.6	3495.7	3458.8	3486.5
47.5°	3223.3	3200.2	3223.3	3251.0	3251.0	3264.9	3306.3	3338.7	3315.6	3269.4	3283.3
50°	2987.8	2992.3	2987.8	3006.3	3006.3	3057.0	3089.3	3121.7	3144.8	3089.3	3024.7
52.5°	2756.8	2752.3	2756.8	2770.8	2789.2	2812.2	2867.7	2900.0	2936.9	2904.7	2803.0
55°	2526.0	2535.2	2526.0	2530.6	2539.8	2553.7	2636.8	2669.1	2738.4	2696.8	2590.6
57.5°	2295.1	2281.2	2295.1	2304.3	2308.9	2322.8	2392.1	2452.1	2493.7	2498.2	2369.0
60°	2027.2	2008.8	2027.2	2068.8	2078.1	2087.3	2151.9	2207.3	2244.3	2258.2	2124.2
62.5°	1791.7	1759.4	1791.7	1819.5	1837.9	1861.0	1907.1	1990.3	2022.6	2027.2	1837.9
65°	1542.4	1528.6	1542.4	1597.8	1602.4	1630.1	1680.9	1741.0	1810.2	1801.0	1528.6
67.5°	1316.1	1316.1	1316.1	1353.0	1380.7	1394.6	1459.2	1487.0	1574.7	1584.0	1274.5
70°	1108.3	1103.7	1108.3	1136.0	1154.4	1186.8	1246.8	1279.1	1348.4	1371.5	1034.4
72.5°	909.7	905.1	909.7	932.8	951.3	979.0	1029.8	1066.7	1126.8	1154.4	803.5
75°	734.3	725.0	734.3	752.7	748.1	785.0	826.6	863.5	918.9	937.4	595.7
77.5°	563.3	563.3	563.3	581.9	581.9	618.8	637.3	683.4	715.8	743.4	438.7
80°	420.3	415.6	420.3	424.8	424.8	443.4	475.6	507.9	535.7	535.7	300.2
82.5°	295.5	286.3	295.5	295.5	295.5	304.8	323.3	332.5	350.9	364.9	189.3
85°	184.7	184.7	184.7	189.3	184.7	193.9	198.6	207.8	207.8	198.6	115.4
87.5°	120.1	115.4	120.1	115.4	115.4	110.8	110.8	110.8	106.2	101.6	64.7
90°	43.1	43.1	43.1	43.1	43.1	57.5	76.7	86.2	74.1	49.9	31.7
92.5°	172.7	138.4	172.7	207.1	215.7	305.7	425.8	485.8	426.5	308.0	219.0
95°	602.2	498.3	602.2	706.1	732.1	961.4	1267.1	1419.9	1199.3	757.8	426.8
97.5°	1443.0	1245.2	1443.0	1640.7	1690.1	1835.0	2028.2	2124.8	1756.8	1020.8	468.8
100°	2079.0	1843.4	2079.0	2314.6	2373.4	2362.9	2348.8	2341.7	1933.3	1116.5	503.9
102.5°	2704.6	2502.9	2704.6	2906.4	2956.9	2772.2	2526.1	2403.0	1988.8	1160.4	539.1
105°	3502.3	3393.9	3502.3	3610.8	3637.9	3224.0	2672.1	2396.2	1995.1	1193.0	591.4
107.5°	4024.9	4051.1	4024.9	3998.6	3992.0	3414.7	2644.9	2259.9	1906.2	1199.0	668.6
110°	4224.1	4337.1	4224.1	4111.1	4082.8	3437.3	2576.7	2146.4	1827.6	1189.9	711.7



TEST NUMBER: P935328

CATALOG NUMBER: SQ4-FA-100U-125D-92765-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	4241.9	4415.5	4241.9	4068.4	4025.0	3364.4	2483.6	2043.1	1758.9	1190.4	763.9
115°	4129.4	4370.0	4129.4	3888.7	3828.6	3192.2	2343.7	1919.4	1680.0	1201.3	842.2
117.5°	3890.9	4157.8	3890.9	3624.0	3557.3	2983.0	2217.1	1834.3	1630.7	1223.6	918.3
120°	3698.7	3958.0	3698.7	3439.4	3374.6	2849.8	2150.1	1800.3	1614.2	1241.8	962.6
122.5°	3511.5	3767.3	3511.5	3255.8	3191.8	2719.3	2089.2	1774.2	1605.4	1267.9	1014.8
125°	3244.5	3480.1	3244.5	3008.9	2950.0	2548.6	2013.4	1745.8	1598.2	1303.1	1081.7
127.5°	3004.4	3203.2	3004.4	2805.6	2755.9	2411.3	1951.7	1721.9	1594.0	1338.3	1146.4
130°	2862.9	3046.6	2862.9	2679.3	2633.4	2326.6	1917.4	1712.8	1596.6	1364.0	1189.5
132.5°	2734.6	2899.0	2734.6	2570.1	2529.0	2254.3	1888.0	1704.8	1598.1	1384.7	1224.7
135°	2558.5	2700.3	2558.5	2416.8	2381.3	2151.3	1844.7	1691.3	1596.7	1407.5	1265.6
137.5°	2417.5	2533.5	2417.5	2301.5	2272.5	2078.0	1818.6	1689.0	1606.5	1441.5	1317.8
140°	2320.7	2429.1	2320.7	2212.1	2185.0	2017.0	1793.0	1681.0	1608.1	1462.3	1353.0
142.5°	2240.3	2333.7	2240.3	2147.0	2123.7	1976.2	1779.4	1681.0	1613.9	1479.7	1379.1
145°	2120.1	2190.7	2120.1	2049.4	2031.8	1911.1	1750.1	1669.7	1614.0	1502.4	1418.9
147.5°	2027.8	2086.3	2027.8	1969.3	1954.6	1859.7	1733.0	1669.7	1625.1	1535.7	1468.8
150°	1969.6	2017.0	1969.6	1922.2	1910.3	1830.1	1723.2	1669.7	1630.9	1553.2	1494.9
152.5°	1919.9	1955.7	1919.9	1884.0	1875.1	1806.6	1715.4	1669.7	1634.6	1564.5	1511.9
155°	1862.8	1886.5	1862.8	1839.0	1833.1	1778.6	1706.0	1669.7	1643.0	1589.5	1549.4
157.5°	1817.6	1834.3	1817.6	1801.0	1796.8	1754.4	1697.9	1669.7	1651.4	1614.5	1586.9
160°	1790.6	1800.3	1790.6	1781.0	1778.6	1742.3	1693.9	1669.7	1655.1	1625.8	1603.9
162.5°	1773.0	1782.1	1773.0	1763.9	1761.6	1730.9	1690.1	1669.7	1659.1	1637.9	1622.0
165°	1747.5	1757.1	1747.5	1737.9	1735.5	1713.6	1684.4	1669.7	1664.9	1655.3	1648.1
167.5°	1729.2	1733.2	1729.2	1725.2	1724.2	1709.8	1690.7	1681.0	1677.0	1668.9	1662.9
170°	1724.2	1724.2	1724.2	1724.2	1724.2	1709.8	1690.7	1681.0	1680.7	1680.3	1679.9
172.5°	1710.7	1707.1	1710.7	1714.2	1715.1	1703.8	1688.6	1681.0	1681.0	1681.0	1681.0
175°	1702.6	1702.6	1702.6	1702.6	1702.6	1695.4	1685.8	1681.0	1683.3	1687.8	1691.3
177.5°	1695.3	1691.3	1695.3	1699.3	1700.3	1694.7	1687.1	1683.3	1685.1	1688.7	1691.3
180°	1691.3	1691.3	1691.3	1691.3	1691.3	1691.3	1691.3	1691.3	1691.3	1691.3	1691.3



TEST NUMBER: P935328

CATALOG NUMBER: SQ4-FA-100U-125D-92765-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	4881.1	4881.1	4881.1	4881.1	4881.1	4881.1	4881.1	4881.1	4881.1	4881.1	4881.1
2.5°	4950.3	4922.7	4922.7	4876.5	4858.0	4844.2	4821.1	4751.8	4733.3	4714.8	4742.6
5°	4991.9	4941.1	4904.1	4821.1	4751.8	4724.1	4636.3	4470.0	4359.3	4276.1	4230.0
7.5°	5001.2	4936.5	4867.2	4737.9	4571.7	4497.8	4230.0	3925.2	3842.0	3768.2	3722.0
10°	4991.9	4918.0	4821.1	4627.1	4234.5	4105.3	3837.5	3638.9	3588.1	3574.2	3588.1
12.5°	4959.6	4890.3	4756.4	4433.1	3883.6	3795.9	3638.9	3523.4	3514.2	3537.3	3661.9
15°	4904.1	4839.5	4682.5	4174.5	3689.7	3625.0	3514.2	3472.6	3523.4	3685.0	4059.1
17.5°	4848.7	4774.9	4580.9	3920.5	3541.9	3495.7	3417.2	3500.4	3786.6	4003.7	4128.4
20°	4774.9	4687.1	4465.5	3735.9	3435.7	3394.1	3357.2	3731.2	3948.3	4026.8	4096.0
22.5°	4687.1	4594.8	4308.5	3606.5	3324.9	3292.5	3315.6	3860.5	3948.3	4003.7	4063.7
25°	4571.7	4493.2	4123.7	3504.9	3237.1	3200.2	3287.9	3846.7	3897.4	3911.3	4031.4
27.5°	4465.5	4363.9	3929.8	3412.6	3130.9	3117.1	3311.0	3786.6	3823.6	3837.5	3966.7
30°	4336.1	4183.8	3712.8	3315.6	3020.1	3015.4	3315.6	3712.8	3703.5	3740.4	3869.8
32.5°	4202.3	3916.0	3468.0	3195.6	2913.8	2909.3	3283.3	3601.9	3592.7	3643.5	3740.4
35°	4077.5	3708.1	3135.5	3057.0	2779.9	2784.6	3204.8	3472.6	3477.3	3523.4	3583.4
37.5°	3948.3	3528.0	2770.8	2904.7	2650.7	2650.7	3098.6	3352.6	3343.4	3357.2	3440.3
40°	3795.9	3246.3	2447.5	2706.1	2530.6	2516.7	2969.3	3223.3	3190.9	3186.4	3301.8
42.5°	3634.3	2936.9	2207.3	2442.8	2392.1	2373.6	2812.2	3066.3	3006.3	3020.1	3167.8
45°	3458.8	2853.8	2022.6	2064.1	2248.9	2235.1	2641.4	2886.2	2844.6	2881.5	3033.9
47.5°	3283.3	2687.6	1962.6	1713.2	2096.5	2091.9	2452.1	2710.7	2687.6	2724.5	2886.2
50°	3043.2	2502.9	1958.0	1468.5	1925.6	1944.1	2225.8	2539.8	2539.8	2572.2	2743.0
52.5°	2733.7	2276.6	1777.9	1330.0	1727.0	1782.5	2027.2	2392.1	2401.3	2433.6	2586.0
55°	2452.1	2041.1	1648.5	1223.7	1491.5	1611.6	1833.3	2239.6	2258.2	2290.5	2429.0
57.5°	2193.5	1699.4	1620.9	1099.0	1274.5	1390.0	1662.5	2091.9	2101.2	2128.8	2262.7
60°	1916.4	1228.4	1487.0	965.1	1085.2	1173.0	1505.4	1916.4	1948.7	1967.2	2082.6
62.5°	1602.4	891.3	1348.4	872.8	992.9	1011.3	1376.1	1750.1	1791.7	1805.5	1874.9
65°	1140.6	748.1	1145.2	794.3	895.9	900.4	1237.6	1579.3	1616.2	1639.3	1690.1
67.5°	771.2	609.5	872.8	720.3	821.9	826.6	1103.7	1380.7	1431.5	1450.1	1482.3
70°	535.7	406.3	646.5	641.8	738.9	748.1	960.5	1200.6	1246.8	1260.7	1279.1
72.5°	392.5	327.8	535.7	577.3	651.1	660.4	812.8	997.4	1043.6	1057.5	1066.7
75°	300.2	346.3	434.1	503.3	554.2	558.8	664.9	812.8	845.1	854.3	858.9
77.5°	240.1	323.3	318.6	406.3	452.5	443.4	521.9	628.0	655.8	655.8	655.8
80°	180.1	254.0	240.1	290.9	332.5	323.3	374.0	447.9	457.2	466.4	461.8
82.5°	133.9	161.6	161.6	184.7	221.7	212.4	249.3	290.9	290.9	290.9	300.2
85°	83.1	92.3	73.9	97.0	124.7	120.1	138.5	157.0	161.6	161.6	152.4
87.5°	50.8	41.6	23.1	36.9	55.4	55.4	64.7	69.2	64.7	64.7	64.7
90°	29.5	20.5	11.4	20.5	29.5	31.7	49.9	74.1	86.2	76.7	57.5
92.5°	199.8	122.5	45.4	122.5	199.8	219.0	308.0	426.5	485.8	425.8	305.7
95°	391.5	250.2	109.0	250.2	391.5	426.8	757.8	1199.3	1419.9	1267.1	961.4
97.5°	437.6	313.0	188.4	313.0	437.6	468.8	1020.8	1756.8	2124.8	2028.2	1835.0
100°	475.6	362.7	249.7	362.7	475.6	503.9	1116.5	1933.3	2341.7	2348.8	2362.9
102.5°	512.8	407.3	301.9	407.3	512.8	539.1	1160.4	1988.8	2403.0	2526.1	2772.2
105°	569.1	479.7	390.5	479.7	569.1	591.4	1193.0	1995.1	2396.2	2672.1	3224.0
107.5°	647.8	564.5	481.3	564.5	647.8	668.6	1199.0	1906.2	2259.9	2644.9	3414.7
110°	692.9	617.7	542.6	617.7	692.9	711.7	1189.9	1827.6	2146.4	2576.7	3437.3



TEST NUMBER: P935328

CATALOG NUMBER: SQ4-FA-100U-125D-92765-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	746.0	674.4	602.7	674.4	746.0	763.9	1190.4	1758.9	2043.1	2483.6	3364.4
115°	825.7	759.6	693.5	759.6	825.7	842.2	1201.3	1680.0	1919.4	2343.7	3192.2
117.5°	903.3	843.2	783.2	843.2	903.3	918.3	1223.6	1630.7	1834.3	2217.1	2983.0
120°	948.5	891.9	835.4	891.9	948.5	962.6	1241.8	1614.2	1800.3	2150.1	2849.8
122.5°	1000.5	943.6	886.5	943.6	1000.5	1014.8	1267.9	1605.4	1774.2	2089.2	2719.3
125°	1068.7	1016.8	964.9	1016.8	1068.7	1081.7	1303.1	1598.2	1745.8	2013.4	2548.6
127.5°	1133.3	1080.8	1028.3	1080.8	1133.3	1146.4	1338.3	1594.0	1721.9	1951.7	2411.3
130°	1175.4	1118.9	1062.5	1118.9	1175.4	1189.5	1364.0	1596.6	1712.8	1917.4	2326.6
132.5°	1210.6	1154.1	1097.7	1154.1	1210.6	1224.7	1384.7	1598.1	1704.8	1888.0	2254.3
135°	1252.8	1201.3	1149.9	1201.3	1252.8	1265.6	1407.5	1596.7	1691.3	1844.7	2151.3
137.5°	1305.1	1254.1	1203.2	1254.1	1305.1	1317.8	1441.5	1606.5	1689.0	1818.6	2078.0
140°	1341.3	1294.4	1247.5	1294.4	1341.3	1353.0	1462.3	1608.1	1681.0	1793.0	2017.0
142.5°	1368.3	1324.9	1281.5	1324.9	1368.3	1379.1	1479.7	1613.9	1681.0	1779.4	1976.2
145°	1409.4	1371.6	1333.7	1371.6	1409.4	1418.9	1502.4	1614.0	1669.7	1750.1	1911.1
147.5°	1459.6	1422.8	1385.9	1422.8	1459.6	1468.8	1535.7	1625.1	1669.7	1733.0	1859.7
150°	1486.5	1453.2	1419.9	1453.2	1486.5	1494.9	1553.2	1630.9	1669.7	1723.2	1830.1
152.5°	1505.6	1480.3	1455.1	1480.3	1505.6	1511.9	1564.5	1634.6	1669.7	1715.4	1806.6
155°	1544.7	1526.0	1507.4	1526.0	1544.7	1549.4	1589.5	1643.0	1669.7	1706.0	1778.6
157.5°	1582.3	1564.1	1545.9	1564.1	1582.3	1586.9	1614.5	1651.4	1669.7	1697.9	1754.4
160°	1600.3	1586.2	1572.0	1586.2	1600.3	1603.9	1625.8	1655.1	1669.7	1693.9	1742.3
162.5°	1619.3	1608.7	1598.1	1608.7	1619.3	1622.0	1637.9	1659.1	1669.7	1690.1	1730.9
165°	1645.7	1636.1	1626.5	1636.1	1645.7	1648.1	1655.3	1664.9	1669.7	1684.4	1713.6
167.5°	1661.7	1657.2	1652.6	1657.2	1661.7	1662.9	1668.9	1677.0	1681.0	1690.7	1709.8
170°	1678.8	1674.3	1669.7	1674.3	1678.8	1679.9	1680.3	1680.7	1681.0	1690.7	1709.8
172.5°	1680.7	1679.7	1678.7	1679.7	1680.7	1681.0	1681.0	1681.0	1681.0	1688.6	1703.8
175°	1691.3	1691.3	1691.3	1691.3	1691.3	1691.3	1687.8	1683.3	1681.0	1685.8	1695.4
177.5°	1691.3	1691.3	1691.3	1691.3	1691.3	1691.3	1688.7	1685.1	1683.3	1687.1	1694.7
180°	1691.3	1691.3	1691.3	1691.3	1691.3	1691.3	1691.3	1691.3	1691.3	1691.3	1691.3



TEST NUMBER: P935328

CATALOG NUMBER: SQ4-FA-100U-125D-92765-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	4881.1	4881.1	4881.1	4881.1	4881.1	4881.1	4881.1	4881.1	4881.1	4881.1	4881.1
2.5°	4710.2	4696.4	4714.8	4664.1	4714.8	4696.4	4710.2	4742.6	4714.8	4733.3	4751.8
5°	4133.0	4109.9	4036.0	3976.0	4036.0	4109.9	4133.0	4230.0	4276.1	4359.3	4470.0
7.5°	3694.3	3675.8	3657.4	3620.4	3657.4	3675.8	3694.3	3722.0	3768.2	3842.0	3925.2
10°	3597.3	3601.9	3629.6	3625.0	3629.6	3601.9	3597.3	3588.1	3574.2	3588.1	3638.9
12.5°	3846.7	3888.2	4040.6	4031.4	4040.6	3888.2	3846.7	3661.9	3537.3	3514.2	3523.4
15°	4133.0	4146.9	4179.1	4183.8	4179.1	4146.9	4133.0	4059.1	3685.0	3523.4	3472.6
17.5°	4160.7	4165.3	4188.4	4188.4	4188.4	4165.3	4160.7	4128.4	4003.7	3786.6	3500.4
20°	4137.6	4146.9	4193.1	4202.3	4193.1	4146.9	4137.6	4096.0	4026.8	3948.3	3731.2
22.5°	4128.4	4146.9	4183.8	4179.1	4183.8	4146.9	4128.4	4063.7	4003.7	3948.3	3860.5
25°	4082.2	4082.2	4086.8	4091.5	4086.8	4082.2	4082.2	4031.4	3911.3	3897.4	3846.7
27.5°	3985.2	3994.5	4022.1	4017.5	4022.1	3994.5	3985.2	3966.7	3837.5	3823.6	3786.6
30°	3897.4	3888.2	3865.1	3846.7	3865.1	3888.2	3897.4	3869.8	3740.4	3703.5	3712.8
32.5°	3749.7	3726.6	3703.5	3689.7	3703.5	3726.6	3749.7	3740.4	3643.5	3592.7	3601.9
35°	3574.2	3578.9	3574.2	3560.4	3574.2	3578.9	3574.2	3583.4	3523.4	3477.3	3472.6
37.5°	3449.5	3458.8	3454.2	3435.7	3454.2	3458.8	3449.5	3440.3	3357.2	3343.4	3352.6
40°	3320.3	3324.9	3320.3	3306.3	3320.3	3324.9	3320.3	3301.8	3186.4	3190.9	3223.3
42.5°	3195.6	3190.9	3177.1	3167.8	3177.1	3190.9	3195.6	3167.8	3020.1	3006.3	3066.3
45°	3052.4	3057.0	3029.3	3015.4	3029.3	3057.0	3052.4	3033.9	2881.5	2844.6	2886.2
47.5°	2909.3	2909.3	2886.2	2872.3	2886.2	2909.3	2909.3	2886.2	2724.5	2687.6	2710.7
50°	2756.8	2752.3	2719.9	2715.3	2719.9	2752.3	2756.8	2743.0	2572.2	2539.8	2539.8
52.5°	2581.4	2581.4	2586.0	2595.2	2586.0	2581.4	2581.4	2586.0	2433.6	2401.3	2392.1
55°	2429.0	2433.6	2465.9	2475.2	2465.9	2433.6	2429.0	2429.0	2290.5	2258.2	2239.6
57.5°	2272.0	2272.0	2295.1	2295.1	2295.1	2272.0	2272.0	2262.7	2128.8	2101.2	2091.9
60°	2091.9	2101.2	2119.6	2115.0	2119.6	2101.2	2091.9	2082.6	1967.2	1948.7	1916.4
62.5°	1902.6	1911.8	1916.4	1907.1	1916.4	1911.8	1902.6	1874.9	1805.5	1791.7	1750.1
65°	1704.0	1713.2	1717.8	1708.6	1717.8	1713.2	1704.0	1690.1	1639.3	1616.2	1579.3
67.5°	1500.8	1496.2	1491.5	1510.0	1491.5	1496.2	1500.8	1482.3	1450.1	1431.5	1380.7
70°	1293.0	1293.0	1288.4	1297.6	1288.4	1293.0	1293.0	1279.1	1260.7	1246.8	1200.6
72.5°	1071.4	1066.7	1085.2	1071.4	1085.2	1066.7	1071.4	1066.7	1057.5	1043.6	997.4
75°	854.3	863.5	854.3	868.2	854.3	863.5	854.3	858.9	854.3	845.1	812.8
77.5°	651.1	660.4	651.1	651.1	651.1	660.4	651.1	655.8	655.8	655.8	628.0
80°	461.8	457.2	457.2	452.5	457.2	457.2	461.8	461.8	466.4	457.2	447.9
82.5°	295.5	290.9	290.9	300.2	290.9	290.9	295.5	300.2	290.9	290.9	290.9
85°	161.6	166.3	157.0	157.0	157.0	166.3	161.6	152.4	161.6	161.6	157.0
87.5°	60.0	55.4	55.4	55.4	55.4	55.4	60.0	64.7	64.7	64.7	69.2
90°	43.1	43.1	43.1	43.1	43.1	43.1	43.1	57.5	76.7	86.2	74.1
92.5°	215.7	207.1	172.7	138.4	172.7	207.1	215.7	305.7	425.8	485.8	426.5
95°	732.1	706.1	602.2	498.3	602.2	706.1	732.1	961.4	1267.1	1419.9	1199.3
97.5°	1690.1	1640.7	1443.0	1245.2	1443.0	1640.7	1690.1	1835.0	2028.2	2124.8	1756.8
100°	2373.4	2314.6	2079.0	1843.4	2079.0	2314.6	2373.4	2362.9	2348.8	2341.7	1933.3
102.5°	2956.9	2906.4	2704.6	2502.9	2704.6	2906.4	2956.9	2772.2	2526.1	2403.0	1988.8
105°	3637.9	3610.8	3502.3	3393.9	3502.3	3610.8	3637.9	3224.0	2672.1	2396.2	1995.1
107.5°	3992.0	3998.6	4024.9	4051.1	4024.9	3998.6	3992.0	3414.7	2644.9	2259.9	1906.2
110°	4082.8	4111.1	4224.1	4337.1	4224.1	4111.1	4082.8	3437.3	2576.7	2146.4	1827.6



TEST NUMBER: P935328

CATALOG NUMBER: SQ4-FA-100U-125D-92765-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	4025.0	4068.4	4241.9	4415.5	4241.9	4068.4	4025.0	3364.4	2483.6	2043.1	1758.9
115°	3828.6	3888.7	4129.4	4370.0	4129.4	3888.7	3828.6	3192.2	2343.7	1919.4	1680.0
117.5°	3557.3	3624.0	3890.9	4157.8	3890.9	3624.0	3557.3	2983.0	2217.1	1834.3	1630.7
120°	3374.6	3439.4	3698.7	3958.0	3698.7	3439.4	3374.6	2849.8	2150.1	1800.3	1614.2
122.5°	3191.8	3255.8	3511.5	3767.3	3511.5	3255.8	3191.8	2719.3	2089.2	1774.2	1605.4
125°	2950.0	3008.9	3244.5	3480.1	3244.5	3008.9	2950.0	2548.6	2013.4	1745.8	1598.2
127.5°	2755.9	2805.6	3004.4	3203.2	3004.4	2805.6	2755.9	2411.3	1951.7	1721.9	1594.0
130°	2633.4	2679.3	2862.9	3046.6	2862.9	2679.3	2633.4	2326.6	1917.4	1712.8	1596.6
132.5°	2529.0	2570.1	2734.6	2899.0	2734.6	2570.1	2529.0	2254.3	1888.0	1704.8	1598.1
135°	2381.3	2416.8	2558.5	2700.3	2558.5	2416.8	2381.3	2151.3	1844.7	1691.3	1596.7
137.5°	2272.5	2301.5	2417.5	2533.5	2417.5	2301.5	2272.5	2078.0	1818.6	1689.0	1606.5
140°	2185.0	2212.1	2320.7	2429.1	2320.7	2212.1	2185.0	2017.0	1793.0	1681.0	1608.1
142.5°	2123.7	2147.0	2240.3	2333.7	2240.3	2147.0	2123.7	1976.2	1779.4	1681.0	1613.9
145°	2031.8	2049.4	2120.1	2190.7	2120.1	2049.4	2031.8	1911.1	1750.1	1669.7	1614.0
147.5°	1954.6	1969.3	2027.8	2086.3	2027.8	1969.3	1954.6	1859.7	1733.0	1669.7	1625.1
150°	1910.3	1922.2	1969.6	2017.0	1969.6	1922.2	1910.3	1830.1	1723.2	1669.7	1630.9
152.5°	1875.1	1884.0	1919.9	1955.7	1919.9	1884.0	1875.1	1806.6	1715.4	1669.7	1634.6
155°	1833.1	1839.0	1862.8	1886.5	1862.8	1839.0	1833.1	1778.6	1706.0	1669.7	1643.0
157.5°	1796.8	1801.0	1817.6	1834.3	1817.6	1801.0	1796.8	1754.4	1697.9	1669.7	1651.4
160°	1778.6	1781.0	1790.6	1800.3	1790.6	1781.0	1778.6	1742.3	1693.9	1669.7	1655.1
162.5°	1761.6	1763.9	1773.0	1782.1	1773.0	1763.9	1761.6	1730.9	1690.1	1669.7	1659.1
165°	1735.5	1737.9	1747.5	1757.1	1747.5	1737.9	1735.5	1713.6	1684.4	1669.7	1664.9
167.5°	1724.2	1725.2	1729.2	1733.2	1729.2	1725.2	1724.2	1709.8	1690.7	1681.0	1677.0
170°	1724.2	1724.2	1724.2	1724.2	1724.2	1724.2	1724.2	1709.8	1690.7	1681.0	1680.7
172.5°	1715.1	1714.2	1710.7	1707.1	1710.7	1714.2	1715.1	1703.8	1688.6	1681.0	1681.0
175°	1702.6	1702.6	1702.6	1702.6	1702.6	1702.6	1702.6	1695.4	1685.8	1681.0	1683.3
177.5°	1700.3	1699.3	1695.3	1691.3	1695.3	1699.3	1700.3	1694.7	1687.1	1683.3	1685.1
180°	1691.3	1691.3	1691.3	1691.3	1691.3	1691.3	1691.3	1691.3	1691.3	1691.3	1691.3



TEST NUMBER: P935328

CATALOG NUMBER: SQ4-FA-100U-125D-92765-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	4881.1	4881.1	4881.1	4881.1	4881.1
2.5°	4821.1	4844.2	4858.0	4876.5	4922.7
5°	4636.3	4724.1	4751.8	4821.1	4904.1
7.5°	4230.0	4497.8	4571.7	4737.9	4867.2
10°	3837.5	4105.3	4234.5	4627.1	4821.1
12.5°	3638.9	3795.9	3883.6	4433.1	4756.4
15°	3514.2	3625.0	3689.7	4174.5	4682.5
17.5°	3417.2	3495.7	3541.9	3920.5	4580.9
20°	3357.2	3394.1	3435.7	3735.9	4465.5
22.5°	3315.6	3292.5	3324.9	3606.5	4308.5
25°	3287.9	3200.2	3237.1	3504.9	4123.7
27.5°	3311.0	3117.1	3130.9	3412.6	3929.8
30°	3315.6	3015.4	3020.1	3315.6	3712.8
32.5°	3283.3	2909.3	2913.8	3195.6	3468.0
35°	3204.8	2784.6	2779.9	3057.0	3135.5
37.5°	3098.6	2650.7	2650.7	2904.7	2770.8
40°	2969.3	2516.7	2530.6	2706.1	2447.5
42.5°	2812.2	2373.6	2392.1	2442.8	2207.3
45°	2641.4	2235.1	2248.9	2064.1	2022.6
47.5°	2452.1	2091.9	2096.5	1713.2	1962.6
50°	2225.8	1944.1	1925.6	1468.5	1958.0
52.5°	2027.2	1782.5	1727.0	1330.0	1777.9
55°	1833.3	1611.6	1491.5	1223.7	1648.5
57.5°	1662.5	1390.0	1274.5	1099.0	1620.9
60°	1505.4	1173.0	1085.2	965.1	1487.0
62.5°	1376.1	1011.3	992.9	872.8	1348.4
65°	1237.6	900.4	895.9	794.3	1145.2
67.5°	1103.7	826.6	821.9	720.3	872.8
70°	960.5	748.1	738.9	641.8	646.5
72.5°	812.8	660.4	651.1	577.3	535.7
75°	664.9	558.8	554.2	503.3	434.1
77.5°	521.9	443.4	452.5	406.3	318.6
80°	374.0	323.3	332.5	290.9	240.1
82.5°	249.3	212.4	221.7	184.7	161.6
85°	138.5	120.1	124.7	97.0	73.9
87.5°	64.7	55.4	55.4	36.9	23.1
90°	49.9	31.7	29.5	20.5	11.4
92.5°	308.0	219.0	199.8	122.5	45.4
95°	757.8	426.8	391.5	250.2	109.0
97.5°	1020.8	468.8	437.6	313.0	188.4
100°	1116.5	503.9	475.6	362.7	249.7
102.5°	1160.4	539.1	512.8	407.3	301.9
105°	1193.0	591.4	569.1	479.7	390.5
107.5°	1199.0	668.6	647.8	564.5	481.3
110°	1189.9	711.7	692.9	617.7	542.6



TEST NUMBER: P935328

CATALOG NUMBER: SQ4-FA-100U-125D-92765-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1190.4	763.9	746.0	674.4	602.7
115°	1201.3	842.2	825.7	759.6	693.5
117.5°	1223.6	918.3	903.3	843.2	783.2
120°	1241.8	962.6	948.5	891.9	835.4
122.5°	1267.9	1014.8	1000.5	943.6	886.5
125°	1303.1	1081.7	1068.7	1016.8	964.9
127.5°	1338.3	1146.4	1133.3	1080.8	1028.3
130°	1364.0	1189.5	1175.4	1118.9	1062.5
132.5°	1384.7	1224.7	1210.6	1154.1	1097.7
135°	1407.5	1265.6	1252.8	1201.3	1149.9
137.5°	1441.5	1317.8	1305.1	1254.1	1203.2
140°	1462.3	1353.0	1341.3	1294.4	1247.5
142.5°	1479.7	1379.1	1368.3	1324.9	1281.5
145°	1502.4	1418.9	1409.4	1371.6	1333.7
147.5°	1535.7	1468.8	1459.6	1422.8	1385.9
150°	1553.2	1494.9	1486.5	1453.2	1419.9
152.5°	1564.5	1511.9	1505.6	1480.3	1455.1
155°	1589.5	1549.4	1544.7	1526.0	1507.4
157.5°	1614.5	1586.9	1582.3	1564.1	1545.9
160°	1625.8	1603.9	1600.3	1586.2	1572.0
162.5°	1637.9	1622.0	1619.3	1608.7	1598.1
165°	1655.3	1648.1	1645.7	1636.1	1626.5
167.5°	1668.9	1662.9	1661.7	1657.2	1652.6
170°	1680.3	1679.9	1678.8	1674.3	1669.7
172.5°	1681.0	1681.0	1680.7	1679.7	1678.7
175°	1687.8	1691.3	1691.3	1691.3	1691.3
177.5°	1688.7	1691.3	1691.3	1691.3	1691.3
180°	1691.3	1691.3	1691.3	1691.3	1691.3



TEST NUMBER: P935328
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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	14.57	15.46	15.50	16.41	17.63	17.42	18.32	18.35	19.26	20.48
	3H	15.05	15.85	15.99	16.80	18.05	18.78	19.58	19.71	20.53	21.77
	4H	15.24	16.00	16.19	16.96	18.21	19.23	19.98	20.18	20.94	22.19
	6H	15.36	16.06	16.33	17.02	18.29	19.52	20.22	20.48	21.18	22.44
	8H	15.36	16.03	16.33	17.01	18.27	19.60	20.26	20.57	21.24	22.50
	12H	15.34	15.97	16.31	16.94	18.23	19.64	20.27	20.61	21.25	22.53
4H	2H	15.61	16.37	16.57	17.33	18.58	17.83	18.59	18.79	19.55	20.80
	3H	16.64	17.27	17.61	18.26	19.53	19.35	19.98	20.32	20.97	22.23
	4H	16.92	17.50	17.90	18.48	19.77	19.88	20.46	20.86	21.44	22.73
	6H	17.05	17.54	18.04	18.55	19.84	20.26	20.75	21.24	21.76	23.05
	8H	17.05	17.52	18.04	18.51	19.82	20.37	20.83	21.36	21.83	23.13
	12H	17.02	17.44	18.03	18.45	19.76	20.43	20.85	21.44	21.86	23.17
8H	4H	17.38	17.84	18.37	18.84	20.14	20.01	20.47	21.00	21.47	22.77
	6H	17.64	18.03	18.66	19.07	20.37	20.45	20.84	21.47	21.88	23.18
	8H	17.68	18.02	18.71	19.05	20.37	20.61	20.95	21.63	21.97	23.29
	12H	17.67	17.97	18.70	18.99	20.35	20.71	21.01	21.74	22.03	23.40
12H	4H	17.39	17.81	18.40	18.82	20.13	19.97	20.39	20.98	21.41	22.72
	6H	17.70	18.04	18.73	19.07	20.39	20.45	20.79	21.47	21.82	23.13
	8H	17.77	18.07	18.80	19.09	20.46	20.62	20.91	21.64	21.93	23.30