

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: P935128

Luminaire Tested: SQ4-FA-100U-075D-92765-1D-UNV-STD-W-12-4000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935128
REPORT IS A COMBINATION OF REPORTS P933741 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-100U-075D-92765-1D-UNV-STD-W-12-4000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

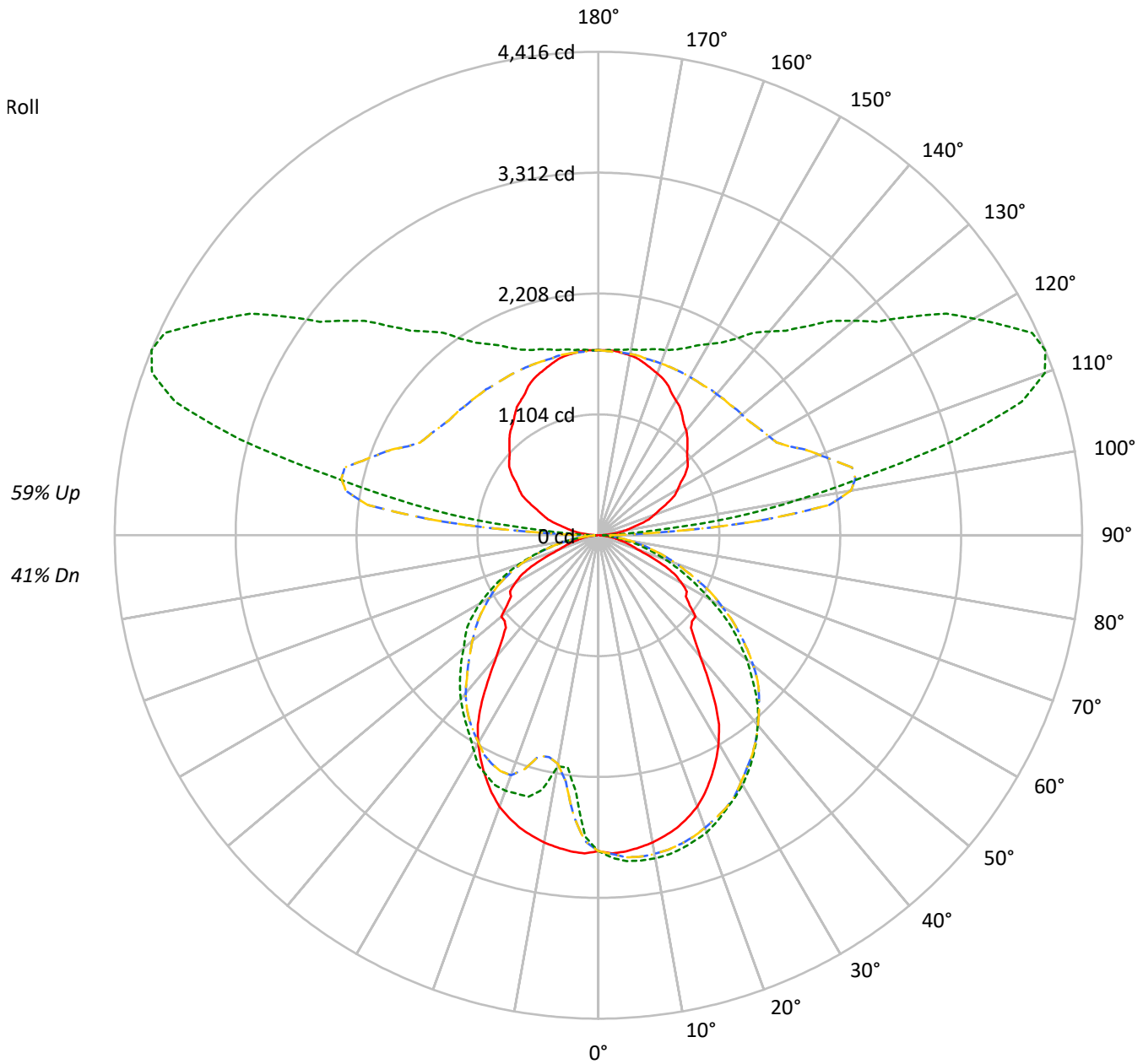
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18449.2 lumens
Efficiency: N/A
Efficacy: 125.0 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): 147.6
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



— 0°-180° - - 45°-225° - - - 90°-270° - - - 135°-315°



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	105	105	105	105	96	96	96	96	78	78	78	62	62	62	47	47	47	41
1	96	91	88	84	87	83	80	77	68	66	64	55	53	52	42	41	40	34
2	87	80	74	69	79	73	68	63	60	56	53	48	45	43	37	35	34	29
3	79	70	63	57	72	64	58	53	53	48	45	42	39	37	33	31	29	24
4	73	62	54	48	66	57	50	45	47	42	38	38	34	31	29	27	25	21
5	67	55	47	41	60	51	44	38	42	37	33	34	30	27	26	24	22	18
6	61	49	41	36	56	45	38	33	38	32	28	31	27	24	24	21	19	16
7	57	45	37	31	51	41	34	29	34	29	25	28	24	21	22	19	17	14
8	52	40	33	27	48	37	30	26	31	26	22	25	21	18	20	17	15	13
9	49	37	29	24	44	34	27	23	28	23	20	23	19	17	18	16	13	11
10	46	34	26	22	41	31	25	20	26	21	18	21	18	15	17	14	12	10

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	8922	8922	8922	8922
5°	8992	9006	8992	7082
10°	8935	8872	8935	6343
15°	8841	8680	8841	7248
20°	8660	8452	8660	7263
25°	8285	8120	8285	7109
30°	7799	7844	7799	6771
35°	6956	7495	6956	6399
40°	5799	7085	5799	6119
45°	5185	6604	5185	5796
50°	5513	6031	5513	5472
55°	5192	5413	5192	5285
60°	5358	4598	5358	4840
65°	4866	3801	4866	4248
70°	3377	3029	3377	3561
75°	2973	2239	2973	2681
80°	2414	1480	2414	1612
85°	1416	784	1416	666

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 7942 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	260.4	1.4
10°-20°	739.3	4.0
20°-30°	1142.8	6.2
30°-40°	1364.2	7.4
40°-50°	1372.2	7.4
50°-60°	1194.0	6.5
60°-70°	846.6	4.6
70°-80°	447.9	2.4
80°-90°	118.0	0.6
90°-100°	824.4	4.5
100°-110°	2167.4	11.7
110°-120°	2247.4	12.2
120°-130°	1802.7	9.8
130°-140°	1414.5	7.7
140°-150°	1085.6	5.9
150°-160°	781.8	4.2
160°-170°	478.4	2.6
170°-180°	161.6	0.9
0°-30°	2142.5	11.6
0°-40°	3506.7	19.0
0°-60°	6073.0	32.9
0°-90°	7485.4	40.6
90°-120°	5239.2	28.4
90°-150°	9541.9	51.7
90°-180°	10964.0	59.4
0°-180°	18449.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2884	2884	2884	2884	2884	
5°	2898	2988	2898	2350	2898	275
15°	2767	2961	2767	2472	2767	779
25°	2437	2762	2437	2418	2437	1119
35°	1853	2464	1853	2104	1853	1146
45°	1195	2030	1195	1782	1195	957
55°	974	1498	974	1463	974	895
65°	677	903	677	1010	677	647
75°	256	428	256	513	256	270
85°	44	109	44	93	44	59
90°	11	43	11	43	11	11
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°	2884.5	2884.5	2884.5	2884.5	2884.5	2884.5	2884.5	2884.5	2884.5	2884.5	2884.5
2.5°	2909.1	2909.1	2925.5	2930.9	2930.9	2922.8	2914.6	2922.8	2947.3	2955.5	2952.8
5°	2898.2	2920.0	2950.0	2955.5	2961.0	2958.2	2952.8	2958.2	2985.5	2991.0	2993.7
7.5°	2876.4	2917.3	2955.5	2963.7	2971.9	2963.7	2961.0	2966.4	2993.7	2999.2	2999.2
10°	2849.1	2906.4	2950.0	2955.5	2963.7	2955.5	2955.5	2966.4	2993.7	2999.2	3001.9
12.5°	2810.9	2890.0	2930.9	2936.4	2947.3	2944.6	2941.9	2952.8	2980.1	2985.5	2985.5
15°	2767.2	2860.0	2898.2	2903.7	2922.8	2917.3	2917.3	2928.2	2958.2	2966.4	2963.7
17.5°	2707.2	2821.8	2865.4	2873.6	2887.3	2884.5	2887.3	2898.2	2925.5	2930.9	2933.7
20°	2638.9	2769.9	2821.8	2830.0	2843.6	2843.6	2843.6	2857.3	2884.5	2895.5	2895.5
22.5°	2546.2	2715.4	2769.9	2775.4	2791.8	2791.8	2797.2	2816.3	2840.9	2843.6	2843.6
25°	2437.0	2655.3	2701.7	2718.1	2734.5	2742.6	2750.8	2761.7	2769.9	2767.2	2769.9
27.5°	2322.3	2578.9	2638.9	2649.9	2671.7	2679.9	2690.8	2693.5	2696.3	2704.4	2699.0
30°	2194.0	2472.5	2562.5	2573.5	2608.9	2614.4	2603.5	2608.9	2622.6	2628.0	2633.5
32.5°	2049.4	2314.1	2483.4	2508.0	2540.7	2524.3	2521.6	2529.8	2551.6	2551.6	2557.1
35°	1852.9	2191.3	2409.7	2431.6	2456.1	2437.0	2447.9	2450.7	2464.3	2472.5	2469.8
37.5°	1637.3	2084.9	2333.2	2349.6	2368.7	2344.1	2360.5	2368.7	2379.6	2374.2	2374.2
40°	1446.3	1918.4	2243.2	2254.1	2270.5	2251.4	2267.7	2273.2	2278.6	2273.2	2270.5
42.5°	1304.4	1735.6	2147.7	2161.3	2150.4	2164.0	2169.5	2180.4	2172.2	2161.3	2161.3
45°	1195.3	1686.5	2044.0	2060.3	2044.0	2065.8	2074.0	2074.0	2049.4	2044.0	2041.2
47.5°	1159.8	1588.2	1940.3	1940.3	1932.1	1959.4	1973.0	1953.9	1929.3	1921.2	1921.2
50°	1157.1	1479.1	1798.4	1787.4	1825.6	1858.4	1844.7	1825.6	1806.5	1776.5	1776.5
52.5°	1050.6	1345.4	1615.5	1656.4	1716.5	1735.6	1713.8	1694.7	1661.9	1648.3	1637.3
55°	974.2	1206.2	1449.1	1530.9	1593.7	1618.2	1577.3	1558.2	1509.1	1500.9	1495.4
57.5°	957.8	1004.2	1296.2	1399.9	1476.3	1473.6	1449.1	1413.6	1372.6	1364.5	1361.7
60°	878.7	725.9	1132.5	1255.3	1334.4	1326.3	1304.4	1271.7	1233.5	1228.0	1222.6
62.5°	796.8	526.7	946.9	1086.1	1198.0	1195.3	1176.2	1127.0	1099.8	1086.1	1075.2
65°	676.8	442.1	674.0	903.3	1064.3	1069.7	1028.8	993.3	963.3	946.9	944.2
67.5°	515.8	360.2	455.7	753.2	936.0	930.6	878.7	862.3	824.1	815.9	799.6
70°	382.0	240.1	316.6	611.3	810.5	796.8	755.9	736.8	701.3	682.2	671.3
72.5°	316.6	193.8	232.0	474.8	682.2	665.9	630.4	608.5	578.5	562.2	551.2
75°	256.5	204.7	177.4	352.0	554.0	543.1	510.3	488.5	463.9	442.1	444.8
77.5°	188.3	191.0	141.9	259.2	439.4	423.0	403.9	376.6	365.7	343.8	343.8
80°	141.9	150.1	106.4	177.4	316.6	316.6	300.2	281.1	262.0	251.1	251.1
82.5°	95.5	95.5	79.1	111.9	215.6	207.4	196.5	191.0	180.1	174.7	174.7
85°	43.7	54.6	49.1	68.2	117.3	122.8	122.8	117.3	114.6	109.2	111.9
87.5°	13.6	24.6	30.0	38.2	60.0	62.8	65.5	65.5	65.5	68.2	68.2
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°	2884.5	2884.5	2884.5	2884.5	2884.5	2884.5	2884.5	2884.5	2884.5	2884.5	2884.5
2.5°	2958.2	2950.0	2958.2	2952.8	2955.5	2947.3	2922.8	2914.6	2922.8	2930.9	2930.9
5°	2993.7	2988.2	2993.7	2993.7	2991.0	2985.5	2958.2	2952.8	2958.2	2961.0	2955.5
7.5°	3004.6	2996.4	3004.6	2999.2	2999.2	2993.7	2966.4	2961.0	2963.7	2971.9	2963.7
10°	3004.6	2996.4	3004.6	3001.9	2999.2	2993.7	2966.4	2955.5	2955.5	2963.7	2955.5
12.5°	2991.0	2985.5	2991.0	2985.5	2985.5	2980.1	2952.8	2941.9	2944.6	2947.3	2936.4
15°	2969.1	2961.0	2969.1	2963.7	2966.4	2958.2	2928.2	2917.3	2917.3	2922.8	2903.7
17.5°	2936.4	2925.5	2936.4	2933.7	2930.9	2925.5	2898.2	2887.3	2884.5	2887.3	2873.6
20°	2898.2	2890.0	2898.2	2895.5	2895.5	2884.5	2857.3	2843.6	2843.6	2843.6	2830.0
22.5°	2838.2	2830.0	2838.2	2843.6	2843.6	2840.9	2816.3	2797.2	2791.8	2791.8	2775.4
25°	2769.9	2761.7	2769.9	2769.9	2767.2	2769.9	2761.7	2750.8	2742.6	2734.5	2718.1
27.5°	2704.4	2699.0	2704.4	2699.0	2704.4	2696.3	2693.5	2690.8	2679.9	2671.7	2649.9
30°	2638.9	2633.5	2638.9	2633.5	2628.0	2622.6	2608.9	2603.5	2614.4	2608.9	2573.5
32.5°	2557.1	2551.6	2557.1	2557.1	2551.6	2551.6	2529.8	2521.6	2524.3	2540.7	2508.0
35°	2472.5	2464.3	2472.5	2469.8	2472.5	2464.3	2450.7	2447.9	2437.0	2456.1	2431.6
37.5°	2374.2	2366.0	2374.2	2374.2	2374.2	2379.6	2368.7	2360.5	2344.1	2368.7	2349.6
40°	2273.2	2262.3	2273.2	2270.5	2273.2	2278.6	2273.2	2267.7	2251.4	2270.5	2254.1
42.5°	2158.6	2155.8	2158.6	2161.3	2161.3	2172.2	2180.4	2169.5	2164.0	2150.4	2161.3
45°	2035.8	2030.3	2035.8	2041.2	2044.0	2049.4	2074.0	2074.0	2065.8	2044.0	2060.3
47.5°	1904.8	1891.1	1904.8	1921.2	1921.2	1929.3	1953.9	1973.0	1959.4	1932.1	1940.3
50°	1765.6	1768.3	1765.6	1776.5	1776.5	1806.5	1825.6	1844.7	1858.4	1825.6	1787.4
52.5°	1629.2	1626.4	1629.2	1637.3	1648.3	1661.9	1694.7	1713.8	1735.6	1716.5	1656.4
55°	1492.7	1498.2	1492.7	1495.4	1500.9	1509.1	1558.2	1577.3	1618.2	1593.7	1530.9
57.5°	1356.3	1348.1	1356.3	1361.7	1364.5	1372.6	1413.6	1449.1	1473.6	1476.3	1399.9
60°	1198.0	1187.1	1198.0	1222.6	1228.0	1233.5	1271.7	1304.4	1326.3	1334.4	1255.3
62.5°	1058.8	1039.7	1058.8	1075.2	1086.1	1099.8	1127.0	1176.2	1195.3	1198.0	1086.1
65°	911.5	903.3	911.5	944.2	946.9	963.3	993.3	1028.8	1069.7	1064.3	903.3
67.5°	777.7	777.7	777.7	799.6	815.9	824.1	862.3	878.7	930.6	936.0	753.2
70°	654.9	652.2	654.9	671.3	682.2	701.3	736.8	755.9	796.8	810.5	611.3
72.5°	537.6	534.9	537.6	551.2	562.2	578.5	608.5	630.4	665.9	682.2	474.8
75°	433.9	428.4	433.9	444.8	442.1	463.9	488.5	510.3	543.1	554.0	352.0
77.5°	332.9	332.9	332.9	343.8	343.8	365.7	376.6	403.9	423.0	439.4	259.2
80°	248.3	245.6	248.3	251.1	251.1	262.0	281.1	300.2	316.6	316.6	177.4
82.5°	174.7	169.2	174.7	174.7	174.7	180.1	191.0	196.5	207.4	215.6	111.9
85°	109.2	109.2	109.2	111.9	109.2	114.6	117.3	122.8	122.8	117.3	68.2
87.5°	71.0	68.2	71.0	68.2	68.2	65.5	65.5	65.5	62.8	60.0	38.2
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



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CATALOG NUMBER: SQ4-FA-100U-075D-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



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2884.5	2884.5	2884.5	2884.5	2884.5	2884.5	2884.5	2884.5	2884.5	2884.5	2884.5
2.5°	2925.5	2909.1	2909.1	2881.8	2870.9	2862.7	2849.1	2808.1	2797.2	2786.3	2802.7
5°	2950.0	2920.0	2898.2	2849.1	2808.1	2791.8	2739.9	2641.7	2576.2	2527.1	2499.8
7.5°	2955.5	2917.3	2876.4	2800.0	2701.7	2658.1	2499.8	2319.6	2270.5	2226.8	2199.5
10°	2950.0	2906.4	2849.1	2734.5	2502.5	2426.1	2267.7	2150.4	2120.4	2112.2	2120.4
12.5°	2930.9	2890.0	2810.9	2619.8	2295.0	2243.2	2150.4	2082.2	2076.7	2090.3	2164.0
15°	2898.2	2860.0	2767.2	2467.0	2180.4	2142.2	2076.7	2052.1	2082.2	2177.7	2398.7
17.5°	2865.4	2821.8	2707.2	2316.8	2093.1	2065.8	2019.4	2068.5	2237.7	2366.0	2439.7
20°	2821.8	2769.9	2638.9	2207.7	2030.3	2005.7	1983.9	2205.0	2333.2	2379.6	2420.6
22.5°	2769.9	2715.4	2546.2	2131.3	1964.8	1945.7	1959.4	2281.4	2333.2	2366.0	2401.4
25°	2701.7	2655.3	2437.0	2071.2	1913.0	1891.1	1943.0	2273.2	2303.2	2311.4	2382.3
27.5°	2638.9	2578.9	2322.3	2016.7	1850.2	1842.0	1956.6	2237.7	2259.5	2267.7	2344.1
30°	2562.5	2472.5	2194.0	1959.4	1784.7	1782.0	1959.4	2194.0	2188.6	2210.4	2286.8
32.5°	2483.4	2314.1	2049.4	1888.4	1721.9	1719.2	1940.3	2128.6	2123.1	2153.1	2210.4
35°	2409.7	2191.3	1852.9	1806.5	1642.8	1645.5	1893.9	2052.1	2054.9	2082.2	2117.6
37.5°	2333.2	2084.9	1637.3	1716.5	1566.4	1566.4	1831.1	1981.2	1975.7	1983.9	2033.0
40°	2243.2	1918.4	1446.3	1599.1	1495.4	1487.3	1754.7	1904.8	1885.7	1882.9	1951.2
42.5°	2147.7	1735.6	1304.4	1443.6	1413.6	1402.7	1661.9	1812.0	1776.5	1784.7	1872.0
45°	2044.0	1686.5	1195.3	1219.8	1329.0	1320.8	1560.9	1705.6	1681.0	1702.8	1792.9
47.5°	1940.3	1588.2	1159.8	1012.4	1238.9	1236.2	1449.1	1601.9	1588.2	1610.1	1705.6
50°	1798.4	1479.1	1157.1	867.8	1138.0	1148.9	1315.3	1500.9	1500.9	1520.0	1621.0
52.5°	1615.5	1345.4	1050.6	785.9	1020.6	1053.4	1198.0	1413.6	1419.0	1438.1	1528.2
55°	1449.1	1206.2	974.2	723.2	881.4	952.4	1083.4	1323.5	1334.4	1353.5	1435.4
57.5°	1296.2	1004.2	957.8	649.5	753.2	821.4	982.4	1236.2	1241.7	1258.0	1337.2
60°	1132.5	725.9	878.7	570.3	641.3	693.1	889.6	1132.5	1151.6	1162.5	1230.7
62.5°	946.9	526.7	796.8	515.8	586.7	597.6	813.2	1034.3	1058.8	1067.0	1107.9
65°	674.0	442.1	676.8	469.4	529.4	532.1	731.3	933.3	955.1	968.8	998.8
67.5°	455.7	360.2	515.8	425.7	485.7	488.5	652.2	815.9	846.0	856.9	876.0
70°	316.6	240.1	382.0	379.3	436.6	442.1	567.6	709.5	736.8	745.0	755.9
72.5°	232.0	193.8	316.6	341.1	384.8	390.2	480.3	589.4	616.7	624.9	630.4
75°	177.4	204.7	256.5	297.5	327.5	330.2	393.0	480.3	499.4	504.8	507.6
77.5°	141.9	191.0	188.3	240.1	267.4	262.0	308.4	371.1	387.5	387.5	387.5
80°	106.4	150.1	141.9	171.9	196.5	191.0	221.0	264.7	270.2	275.6	272.9
82.5°	79.1	95.5	95.5	109.2	131.0	125.5	147.4	171.9	171.9	171.9	177.4
85°	49.1	54.6	43.7	57.3	73.7	71.0	81.9	92.8	95.5	95.5	90.1
87.5°	30.0	24.6	13.6	21.8	32.7	32.7	38.2	40.9	38.2	38.2	38.2
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: P935128

CATALOG NUMBER: SQ4-FA-100U-075D-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: P935128

CATALOG NUMBER: SQ4-FA-100U-075D-92765-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2884.5	2884.5	2884.5	2884.5	2884.5	2884.5	2884.5	2884.5	2884.5	2884.5	2884.5
2.5°	2783.6	2775.4	2786.3	2756.3	2786.3	2775.4	2783.6	2802.7	2786.3	2797.2	2808.1
5°	2442.5	2428.8	2385.1	2349.6	2385.1	2428.8	2442.5	2499.8	2527.1	2576.2	2641.7
7.5°	2183.1	2172.2	2161.3	2139.5	2161.3	2172.2	2183.1	2199.5	2226.8	2270.5	2319.6
10°	2125.8	2128.6	2144.9	2142.2	2144.9	2128.6	2125.8	2120.4	2112.2	2120.4	2150.4
12.5°	2273.2	2297.7	2387.8	2382.3	2387.8	2297.7	2273.2	2164.0	2090.3	2076.7	2082.2
15°	2442.5	2450.7	2469.8	2472.5	2469.8	2450.7	2442.5	2398.7	2177.7	2082.2	2052.1
17.5°	2458.8	2461.6	2475.2	2475.2	2475.2	2461.6	2458.8	2439.7	2366.0	2237.7	2068.5
20°	2445.2	2450.7	2477.9	2483.4	2477.9	2450.7	2445.2	2420.6	2379.6	2333.2	2205.0
22.5°	2439.7	2450.7	2472.5	2469.8	2472.5	2450.7	2439.7	2401.4	2366.0	2333.2	2281.4
25°	2412.4	2412.4	2415.2	2417.9	2415.2	2412.4	2412.4	2382.3	2311.4	2303.2	2273.2
27.5°	2355.1	2360.5	2376.9	2374.2	2376.9	2360.5	2355.1	2344.1	2267.7	2259.5	2237.7
30°	2303.2	2297.7	2284.1	2273.2	2284.1	2297.7	2303.2	2286.8	2210.4	2188.6	2194.0
32.5°	2215.9	2202.2	2188.6	2180.4	2188.6	2202.2	2215.9	2210.4	2153.1	2123.1	2128.6
35°	2112.2	2114.9	2112.2	2104.0	2112.2	2114.9	2112.2	2117.6	2082.2	2054.9	2052.1
37.5°	2038.5	2044.0	2041.2	2030.3	2041.2	2044.0	2038.5	2033.0	1983.9	1975.7	1981.2
40°	1962.1	1964.8	1962.1	1953.9	1962.1	1964.8	1962.1	1951.2	1882.9	1885.7	1904.8
42.5°	1888.4	1885.7	1877.5	1872.0	1877.5	1885.7	1888.4	1872.0	1784.7	1776.5	1812.0
45°	1803.8	1806.5	1790.2	1782.0	1790.2	1806.5	1803.8	1792.9	1702.8	1681.0	1705.6
47.5°	1719.2	1719.2	1705.6	1697.4	1705.6	1719.2	1719.2	1705.6	1610.1	1588.2	1601.9
50°	1629.2	1626.4	1607.3	1604.6	1607.3	1626.4	1629.2	1621.0	1520.0	1500.9	1500.9
52.5°	1525.5	1525.5	1528.2	1533.6	1528.2	1525.5	1525.5	1528.2	1438.1	1419.0	1413.6
55°	1435.4	1438.1	1457.2	1462.7	1457.2	1438.1	1435.4	1435.4	1353.5	1334.4	1323.5
57.5°	1342.6	1342.6	1356.3	1356.3	1356.3	1342.6	1342.6	1337.2	1258.0	1241.7	1236.2
60°	1236.2	1241.7	1252.6	1249.8	1252.6	1241.7	1236.2	1230.7	1162.5	1151.6	1132.5
62.5°	1124.3	1129.8	1132.5	1127.0	1132.5	1129.8	1124.3	1107.9	1067.0	1058.8	1034.3
65°	1007.0	1012.4	1015.2	1009.7	1015.2	1012.4	1007.0	998.8	968.8	955.1	933.3
67.5°	886.9	884.2	881.4	892.4	881.4	884.2	886.9	876.0	856.9	846.0	815.9
70°	764.1	764.1	761.4	766.8	761.4	764.1	764.1	755.9	745.0	736.8	709.5
72.5°	633.1	630.4	641.3	633.1	641.3	630.4	633.1	630.4	624.9	616.7	589.4
75°	504.8	510.3	504.8	513.0	504.8	510.3	504.8	507.6	504.8	499.4	480.3
77.5°	384.8	390.2	384.8	384.8	384.8	390.2	384.8	387.5	387.5	387.5	371.1
80°	272.9	270.2	270.2	267.4	270.2	270.2	272.9	272.9	275.6	270.2	264.7
82.5°	174.7	171.9	171.9	177.4	171.9	171.9	174.7	177.4	171.9	171.9	171.9
85°	95.5	98.2	92.8	92.8	92.8	98.2	95.5	90.1	95.5	95.5	92.8
87.5°	35.5	32.7	32.7	32.7	32.7	32.7	35.5	38.2	38.2	38.2	40.9
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



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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



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	2884.5	2884.5	2884.5	2884.5	2884.5
2.5°	2849.1	2862.7	2870.9	2881.8	2909.1
5°	2739.9	2791.8	2808.1	2849.1	2898.2
7.5°	2499.8	2658.1	2701.7	2800.0	2876.4
10°	2267.7	2426.1	2502.5	2734.5	2849.1
12.5°	2150.4	2243.2	2295.0	2619.8	2810.9
15°	2076.7	2142.2	2180.4	2467.0	2767.2
17.5°	2019.4	2065.8	2093.1	2316.8	2707.2
20°	1983.9	2005.7	2030.3	2207.7	2638.9
22.5°	1959.4	1945.7	1964.8	2131.3	2546.2
25°	1943.0	1891.1	1913.0	2071.2	2437.0
27.5°	1956.6	1842.0	1850.2	2016.7	2322.3
30°	1959.4	1782.0	1784.7	1959.4	2194.0
32.5°	1940.3	1719.2	1721.9	1888.4	2049.4
35°	1893.9	1645.5	1642.8	1806.5	1852.9
37.5°	1831.1	1566.4	1566.4	1716.5	1637.3
40°	1754.7	1487.3	1495.4	1599.1	1446.3
42.5°	1661.9	1402.7	1413.6	1443.6	1304.4
45°	1560.9	1320.8	1329.0	1219.8	1195.3
47.5°	1449.1	1236.2	1238.9	1012.4	1159.8
50°	1315.3	1148.9	1138.0	867.8	1157.1
52.5°	1198.0	1053.4	1020.6	785.9	1050.6
55°	1083.4	952.4	881.4	723.2	974.2
57.5°	982.4	821.4	753.2	649.5	957.8
60°	889.6	693.1	641.3	570.3	878.7
62.5°	813.2	597.6	586.7	515.8	796.8
65°	731.3	532.1	529.4	469.4	676.8
67.5°	652.2	488.5	485.7	425.7	515.8
70°	567.6	442.1	436.6	379.3	382.0
72.5°	480.3	390.2	384.8	341.1	316.6
75°	393.0	330.2	327.5	297.5	256.5
77.5°	308.4	262.0	267.4	240.1	188.3
80°	221.0	191.0	196.5	171.9	141.9
82.5°	147.4	125.5	131.0	109.2	95.5
85°	81.9	71.0	73.7	57.3	43.7
87.5°	38.2	32.7	32.7	21.8	13.6
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



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CATALOG NUMBER: SQ4-FA-100U-075D-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



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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	11.48	12.26	12.51	13.30	14.70	14.33	15.11	15.36	16.15	17.55
	3H	11.95	12.65	12.99	13.70	15.12	15.67	16.37	16.72	17.42	18.84
	4H	12.13	12.80	13.19	13.85	15.28	16.12	16.78	17.17	17.83	19.26
	6H	12.25	12.86	13.31	13.92	15.35	16.40	17.02	17.47	18.07	19.51
	8H	12.25	12.83	13.32	13.90	15.33	16.48	17.06	17.55	18.13	19.57
	12H	12.22	12.77	13.29	13.83	15.29	16.52	17.07	17.59	18.14	19.59
4H	2H	12.50	13.17	13.57	14.22	15.65	14.73	15.39	15.79	16.44	17.87
	3H	13.52	14.08	14.59	15.16	16.60	16.23	16.78	17.30	17.86	19.30
	4H	13.80	14.30	14.87	15.37	16.84	16.76	17.27	17.84	18.34	19.80
	6H	13.92	14.35	15.00	15.45	16.90	17.13	17.56	18.21	18.66	20.11
	8H	13.92	14.33	15.01	15.41	16.88	17.23	17.64	18.32	18.73	20.20
	12H	13.88	14.25	14.99	15.35	16.83	17.29	17.66	18.39	18.76	20.23
8H	4H	14.25	14.65	15.33	15.74	17.21	16.88	17.28	17.96	18.37	19.84
	6H	14.51	14.84	15.61	15.97	17.44	17.32	17.65	18.42	18.78	20.25
	8H	14.55	14.84	15.66	15.95	17.44	17.47	17.77	18.59	18.88	20.36
	12H	14.53	14.79	15.65	15.89	17.42	17.57	17.83	18.69	18.93	20.46
12H	4H	14.25	14.62	15.35	15.72	17.19	16.84	17.21	17.94	18.31	19.78
	6H	14.57	14.86	15.68	15.97	17.46	17.31	17.61	18.43	18.72	20.20
	8H	14.63	14.89	15.75	15.99	17.52	17.47	17.73	18.59	18.84	20.36