

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: P935125

Luminaire Tested: SQ4-FA-100U-075D-92765-1D-UNV-STD-W-12-2700K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935125
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-12-2700K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

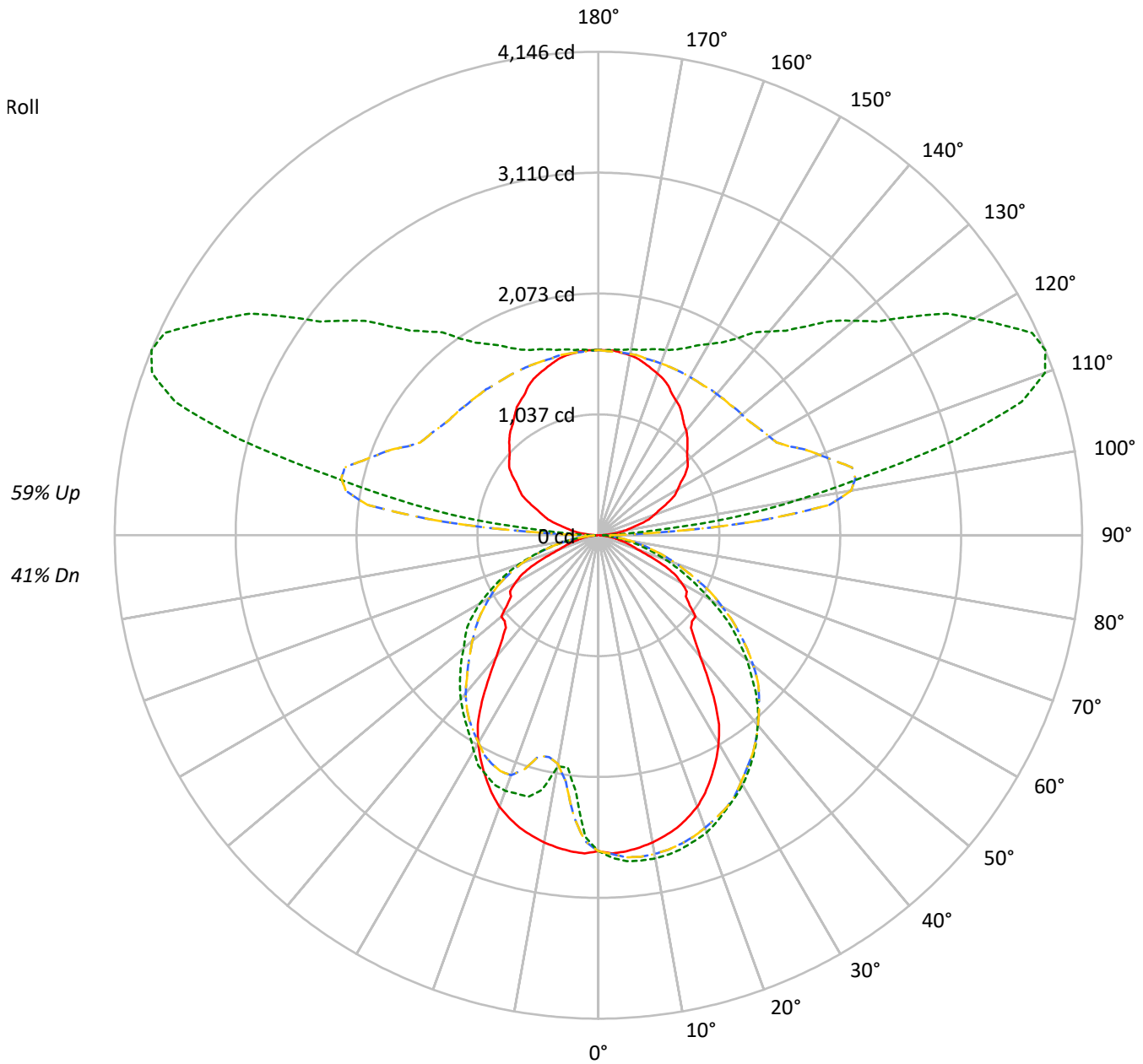
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17323.4 lumens
Efficiency: N/A
Efficacy: 117.4 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°	8378	8378	8378	8378
5°	8443	8457	8443	6649
10°	8390	8330	8390	5956
15°	8302	8150	8302	6805
20°	8132	7936	8132	6820
25°	7779	7624	7779	6675
30°	7323	7365	7323	6358
35°	6532	7038	6532	6009
40°	5446	6652	5446	5746
45°	4869	6201	4869	5442
50°	5177	5663	5177	5139
55°	4875	5083	4875	4962
60°	5032	4317	5032	4545
65°	4569	3568	4569	3989
70°	3171	2844	3171	3344
75°	2792	2102	2792	2517
80°	2266	1390	2266	1513
85°	1329	736	1329	626

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 7457 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	244.5	1.4
10°-20°	694.2	4.0
20°-30°	1073.1	6.2
30°-40°	1281.0	7.4
40°-50°	1288.5	7.4
50°-60°	1121.1	6.5
60°-70°	794.9	4.6
70°-80°	420.6	2.4
80°-90°	110.8	0.6
90°-100°	774.1	4.5
100°-110°	2035.1	11.7
110°-120°	2110.2	12.2
120°-130°	1692.7	9.8
130°-140°	1328.1	7.7
140°-150°	1019.4	5.9
150°-160°	734.1	4.2
160°-170°	449.2	2.6
170°-180°	151.8	0.9
0°-30°	2011.7	11.6
0°-40°	3292.7	19.0
0°-60°	5702.4	32.9
0°-90°	7028.6	40.6
90°-120°	4919.5	28.4
90°-150°	8959.7	51.7
90°-180°	10295.0	59.4
0°-180°	17323.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2708	2708	2708	2708	2708	
5°	2721	2806	2721	2206	2721	258
15°	2598	2780	2598	2322	2598	731
25°	2288	2593	2288	2270	2288	1051
35°	1740	2314	1740	1976	1740	1076
45°	1122	1906	1122	1673	1122	899
55°	915	1407	915	1373	915	841
65°	636	848	636	948	636	607
75°	241	402	241	482	241	253
85°	41	102	41	87	41	55
90°	11	40	11	40	11	11
95°	102	468	102	468	102	114
105°	367	3187	367	3187	367	389
115°	651	4103	651	4103	651	643
125°	906	3268	906	3268	906	804
135°	1080	2536	1080	2536	1080	835
145°	1252	2057	1252	2057	1252	785
155°	1415	1771	1415	1771	1415	650
165°	1527	1650	1527	1650	1527	431
175°	1588	1599	1588	1599	1588	151
180°	1588	1588	1588	1588	1588	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2708.5	2708.5	2708.5	2708.5	2708.5	2708.5	2708.5	2708.5	2708.5	2708.5	2708.5
2.5°	2731.6	2731.6	2747.0	2752.1	2752.1	2744.4	2736.7	2744.4	2767.5	2775.1	2772.6
5°	2721.3	2741.8	2770.0	2775.1	2780.3	2777.7	2772.6	2777.7	2803.3	2808.5	2811.0
7.5°	2700.8	2739.3	2775.1	2782.8	2790.5	2782.8	2780.3	2785.4	2811.0	2816.1	2816.1
10°	2675.2	2729.0	2770.0	2775.1	2782.8	2775.1	2775.1	2785.4	2811.0	2816.1	2818.7
12.5°	2639.3	2713.7	2752.1	2757.2	2767.5	2764.9	2762.3	2772.6	2798.2	2803.3	2803.3
15°	2598.3	2685.5	2721.3	2726.5	2744.4	2739.3	2739.3	2749.5	2777.7	2785.4	2782.8
17.5°	2542.0	2649.6	2690.6	2698.3	2711.1	2708.5	2711.1	2721.3	2747.0	2752.1	2754.6
20°	2477.9	2600.9	2649.6	2657.3	2670.1	2670.1	2670.1	2682.9	2708.5	2718.8	2718.8
22.5°	2390.8	2549.7	2600.9	2606.0	2621.4	2621.4	2626.5	2644.5	2667.5	2670.1	2670.1
25°	2288.3	2493.3	2536.8	2552.2	2567.6	2575.3	2583.0	2593.2	2600.9	2598.3	2600.9
27.5°	2180.6	2421.5	2477.9	2488.2	2508.7	2516.3	2526.6	2529.2	2531.7	2539.4	2534.3
30°	2060.2	2321.6	2406.2	2416.4	2449.7	2454.8	2444.6	2449.7	2462.5	2467.7	2472.8
32.5°	1924.4	2172.9	2331.9	2354.9	2385.7	2370.3	2367.7	2375.4	2395.9	2395.9	2401.0
35°	1739.9	2057.6	2262.7	2283.2	2306.2	2288.3	2298.5	2301.1	2313.9	2321.6	2319.0
37.5°	1537.4	1957.7	2190.8	2206.2	2224.1	2201.1	2216.5	2224.1	2234.4	2229.3	2229.3
40°	1358.1	1801.4	2106.3	2116.5	2131.9	2114.0	2129.3	2134.5	2139.6	2134.5	2131.9
42.5°	1224.8	1629.7	2016.6	2029.4	2019.2	2032.0	2037.1	2047.3	2039.7	2029.4	2029.4
45°	1122.3	1583.6	1919.2	1934.6	1919.2	1939.7	1947.4	1947.4	1924.4	1919.2	1916.7
47.5°	1089.0	1491.3	1821.9	1821.9	1814.2	1839.8	1852.6	1834.7	1811.6	1803.9	1803.9
50°	1086.5	1388.8	1688.6	1678.4	1714.2	1745.0	1732.2	1714.2	1696.3	1668.1	1668.1
52.5°	986.5	1263.3	1516.9	1555.4	1611.7	1629.7	1609.2	1591.2	1560.5	1547.7	1537.4
55°	914.8	1132.6	1360.6	1437.5	1496.4	1519.5	1481.1	1463.1	1417.0	1409.3	1404.2
57.5°	899.4	943.0	1217.1	1314.5	1386.2	1383.7	1360.6	1327.3	1288.9	1281.2	1278.6
60°	825.1	681.6	1063.4	1178.7	1253.0	1245.3	1224.8	1194.1	1158.2	1153.1	1147.9
62.5°	748.2	494.5	889.1	1019.8	1124.9	1122.3	1104.4	1058.3	1032.6	1019.8	1009.6
65°	635.5	415.1	632.9	848.1	999.3	1004.5	966.0	932.7	904.5	889.1	886.6
67.5°	484.3	338.2	427.9	707.2	878.9	873.8	825.1	809.7	773.8	766.2	750.8
70°	358.7	225.5	297.2	574.0	761.0	748.2	709.8	691.8	658.5	640.6	630.3
72.5°	297.2	181.9	217.8	445.9	640.6	625.2	591.9	571.4	543.2	527.9	517.6
75°	240.9	192.2	166.6	330.5	520.2	509.9	479.2	458.7	435.6	415.1	417.7
77.5°	176.8	179.4	133.2	243.4	412.5	397.2	379.2	353.6	343.4	322.9	322.9
80°	133.2	140.9	99.9	166.6	297.2	297.2	281.9	263.9	246.0	235.7	235.7
82.5°	89.7	89.7	74.3	105.1	202.4	194.7	184.5	179.4	169.1	164.0	164.0
85°	41.0	51.2	46.1	64.1	110.2	115.3	115.3	110.2	107.6	102.5	105.1
87.5°	12.8	23.1	28.2	35.9	56.4	58.9	61.5	61.5	61.5	64.1	64.1
90°	10.7	19.2	27.7	29.8	46.9	69.6	81.0	72.0	54.0	40.5	40.5
92.5°	42.6	115.1	187.6	205.7	289.2	400.5	456.2	399.8	287.1	202.5	194.5
95°	102.3	235.0	367.6	400.8	711.6	1126.1	1333.3	1189.8	902.7	687.4	663.0
97.5°	176.9	293.9	410.9	440.2	958.5	1649.6	1995.2	1904.4	1723.0	1587.0	1540.6
100°	234.5	340.5	446.6	473.2	1048.4	1815.3	2198.8	2205.4	2218.7	2228.6	2173.3
102.5°	283.5	382.5	481.5	506.2	1089.6	1867.5	2256.3	2371.9	2603.0	2776.4	2729.0
105°	366.7	450.5	534.3	555.3	1120.2	1873.4	2249.9	2509.1	3027.3	3415.9	3390.5
107.5°	451.9	530.1	608.2	627.8	1125.8	1789.9	2122.0	2483.5	3206.3	3748.4	3754.6
110°	509.5	580.0	650.6	668.3	1117.3	1716.0	2015.4	2419.5	3227.6	3833.7	3860.2



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	565.9	633.3	700.5	717.3	1117.7	1651.5	1918.5	2332.0	3159.1	3779.3	3820.1
115°	651.2	713.3	775.3	790.8	1128.0	1577.5	1802.3	2200.7	2997.4	3594.9	3651.4
117.5°	735.4	791.8	848.1	862.2	1149.0	1531.2	1722.3	2081.9	2800.9	3340.2	3402.8
120°	784.4	837.5	890.6	903.8	1166.1	1515.7	1690.4	2018.9	2675.9	3168.6	3229.5
122.5°	832.4	886.0	939.5	952.9	1190.6	1507.5	1665.9	1961.7	2553.3	2997.0	3057.1
125°	906.0	954.7	1003.5	1015.7	1223.5	1500.7	1639.2	1890.5	2393.1	2770.0	2825.3
127.5°	965.6	1014.9	1064.2	1076.5	1256.6	1496.8	1616.9	1832.6	2264.1	2587.8	2634.4
130°	997.6	1050.7	1103.7	1116.9	1280.8	1499.2	1608.3	1800.4	2184.6	2472.7	2515.8
132.5°	1030.7	1083.7	1136.8	1150.0	1300.2	1500.6	1600.8	1772.7	2116.7	2374.6	2413.3
135°	1079.7	1128.0	1176.3	1188.3	1321.6	1499.3	1588.1	1732.1	2020.0	2236.0	2269.3
137.5°	1129.8	1177.6	1225.4	1237.4	1353.5	1508.5	1585.9	1707.7	1951.2	2133.8	2161.0
140°	1171.4	1215.4	1259.4	1270.4	1373.1	1510.0	1578.4	1683.6	1893.9	2051.7	2077.2
142.5°	1203.3	1244.0	1284.8	1294.9	1389.4	1515.4	1578.4	1670.8	1855.6	1994.1	2016.0
145°	1252.3	1287.9	1323.4	1332.3	1410.8	1515.5	1567.8	1643.3	1794.4	1907.8	1924.4
147.5°	1301.3	1335.9	1370.5	1379.2	1442.0	1525.9	1567.8	1627.3	1746.2	1835.4	1849.1
150°	1333.3	1364.6	1395.8	1403.7	1458.4	1531.4	1567.8	1618.1	1718.4	1793.8	1804.9
152.5°	1366.3	1390.0	1413.8	1419.6	1469.0	1534.9	1567.8	1610.7	1696.4	1760.7	1769.1
155°	1415.4	1432.9	1450.5	1454.8	1492.5	1542.7	1567.8	1601.9	1670.1	1721.2	1726.8
157.5°	1451.6	1468.7	1485.8	1490.0	1516.0	1550.6	1567.8	1594.3	1647.4	1687.2	1691.1
160°	1476.1	1489.4	1502.7	1506.0	1526.6	1554.1	1567.8	1590.6	1636.0	1670.1	1672.3
162.5°	1500.6	1510.5	1520.5	1523.0	1537.9	1557.8	1567.8	1587.0	1625.3	1654.1	1656.2
165°	1527.3	1536.2	1545.3	1547.5	1554.3	1563.3	1567.8	1581.6	1609.0	1629.6	1631.8
167.5°	1551.8	1556.1	1560.3	1561.4	1567.1	1574.7	1578.4	1587.5	1605.5	1619.0	1619.9
170°	1567.8	1572.1	1576.4	1577.4	1577.7	1578.2	1578.4	1587.5	1605.5	1619.0	1619.0
172.5°	1576.3	1577.2	1578.2	1578.4	1578.4	1578.4	1578.4	1585.5	1599.8	1610.5	1609.6
175°	1588.1	1588.1	1588.1	1588.1	1584.8	1580.6	1578.4	1583.0	1591.9	1598.7	1598.7
177.5°	1588.1	1588.1	1588.1	1588.1	1585.6	1582.3	1580.6	1584.2	1591.2	1596.5	1595.6
180°	1588.1	1588.1	1588.1	1588.1	1588.1	1588.1	1588.1	1588.1	1588.1	1588.1	1588.1



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2708.5	2708.5	2708.5	2708.5	2708.5	2708.5	2708.5	2708.5	2708.5	2708.5	2708.5
2.5°	2777.7	2770.0	2777.7	2772.6	2775.1	2767.5	2744.4	2736.7	2744.4	2752.1	2752.1
5°	2811.0	2805.9	2811.0	2811.0	2808.5	2803.3	2777.7	2772.6	2777.7	2780.3	2775.1
7.5°	2821.3	2813.6	2821.3	2816.1	2816.1	2811.0	2785.4	2780.3	2782.8	2790.5	2782.8
10°	2821.3	2813.6	2821.3	2818.7	2816.1	2811.0	2785.4	2775.1	2775.1	2782.8	2775.1
12.5°	2808.5	2803.3	2808.5	2803.3	2803.3	2798.2	2772.6	2762.3	2764.9	2767.5	2757.2
15°	2788.0	2780.3	2788.0	2782.8	2785.4	2777.7	2749.5	2739.3	2739.3	2744.4	2726.5
17.5°	2757.2	2747.0	2757.2	2754.6	2752.1	2747.0	2721.3	2711.1	2708.5	2711.1	2698.3
20°	2721.3	2713.7	2721.3	2718.8	2718.8	2708.5	2682.9	2670.1	2670.1	2670.1	2657.3
22.5°	2665.0	2657.3	2665.0	2670.1	2670.1	2667.5	2644.5	2626.5	2621.4	2621.4	2606.0
25°	2600.9	2593.2	2600.9	2600.9	2598.3	2600.9	2593.2	2583.0	2575.3	2567.6	2552.2
27.5°	2539.4	2534.3	2539.4	2534.3	2539.4	2531.7	2529.2	2526.6	2516.3	2508.7	2488.2
30°	2477.9	2472.8	2477.9	2472.8	2467.7	2462.5	2449.7	2444.6	2454.8	2449.7	2416.4
32.5°	2401.0	2395.9	2401.0	2401.0	2395.9	2395.9	2375.4	2367.7	2370.3	2385.7	2354.9
35°	2321.6	2313.9	2321.6	2319.0	2321.6	2313.9	2301.1	2298.5	2288.3	2306.2	2283.2
37.5°	2229.3	2221.6	2229.3	2229.3	2229.3	2234.4	2224.1	2216.5	2201.1	2224.1	2206.2
40°	2134.5	2124.2	2134.5	2131.9	2134.5	2139.6	2134.5	2129.3	2114.0	2131.9	2116.5
42.5°	2026.8	2024.3	2026.8	2029.4	2029.4	2039.7	2047.3	2037.1	2032.0	2019.2	2029.4
45°	1911.5	1906.4	1911.5	1916.7	1919.2	1924.4	1947.4	1947.4	1939.7	1919.2	1934.6
47.5°	1788.5	1775.7	1788.5	1803.9	1803.9	1811.6	1834.7	1852.6	1839.8	1814.2	1821.9
50°	1657.9	1660.4	1657.9	1668.1	1668.1	1696.3	1714.2	1732.2	1745.0	1714.2	1678.4
52.5°	1529.7	1527.2	1529.7	1537.4	1547.7	1560.5	1591.2	1609.2	1629.7	1611.7	1555.4
55°	1401.6	1406.7	1401.6	1404.2	1409.3	1417.0	1463.1	1481.1	1519.5	1496.4	1437.5
57.5°	1273.5	1265.8	1273.5	1278.6	1281.2	1288.9	1327.3	1360.6	1383.7	1386.2	1314.5
60°	1124.9	1114.6	1124.9	1147.9	1153.1	1158.2	1194.1	1224.8	1245.3	1253.0	1178.7
62.5°	994.2	976.3	994.2	1009.6	1019.8	1032.6	1058.3	1104.4	1122.3	1124.9	1019.8
65°	855.8	848.1	855.8	886.6	889.1	904.5	932.7	966.0	1004.5	999.3	848.1
67.5°	730.3	730.3	730.3	750.8	766.2	773.8	809.7	825.1	873.8	878.9	707.2
70°	615.0	612.4	615.0	630.3	640.6	658.5	691.8	709.8	748.2	761.0	574.0
72.5°	504.8	502.2	504.8	517.6	527.9	543.2	571.4	591.9	625.2	640.6	445.9
75°	407.4	402.3	407.4	417.7	415.1	435.6	458.7	479.2	509.9	520.2	330.5
77.5°	312.6	312.6	312.6	322.9	322.9	343.4	353.6	379.2	397.2	412.5	243.4
80°	233.2	230.6	233.2	235.7	235.7	246.0	263.9	281.9	297.2	297.2	166.6
82.5°	164.0	158.9	164.0	164.0	164.0	169.1	179.4	184.5	194.7	202.4	105.1
85°	102.5	102.5	102.5	105.1	102.5	107.6	110.2	115.3	115.3	110.2	64.1
87.5°	66.6	64.1	66.6	64.1	64.1	61.5	61.5	61.5	58.9	56.4	35.9
90°	40.5	40.5	40.5	40.5	40.5	54.0	72.0	81.0	69.6	46.9	29.8
92.5°	162.2	130.0	162.2	194.5	202.5	287.1	399.8	456.2	400.5	289.2	205.7
95°	565.4	467.9	565.4	663.0	687.4	902.7	1189.8	1333.3	1126.1	711.6	400.8
97.5°	1354.9	1169.2	1354.9	1540.6	1587.0	1723.0	1904.4	1995.2	1649.6	958.5	440.2
100°	1952.1	1730.9	1952.1	2173.3	2228.6	2218.7	2205.4	2198.8	1815.3	1048.4	473.2
102.5°	2539.6	2350.1	2539.6	2729.0	2776.4	2603.0	2371.9	2256.3	1867.5	1089.6	506.2
105°	3288.6	3186.8	3288.6	3390.5	3415.9	3027.3	2509.1	2249.9	1873.4	1120.2	555.3
107.5°	3779.3	3803.9	3779.3	3754.6	3748.4	3206.3	2483.5	2122.0	1789.9	1125.8	627.8
110°	3966.3	4072.5	3966.3	3860.2	3833.7	3227.6	2419.5	2015.4	1716.0	1117.3	668.3



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3983.1	4146.0	3983.1	3820.1	3779.3	3159.1	2332.0	1918.5	1651.5	1117.7	717.3
115°	3877.4	4103.3	3877.4	3651.4	3594.9	2997.4	2200.7	1802.3	1577.5	1128.0	790.8
117.5°	3653.4	3904.0	3653.4	3402.8	3340.2	2800.9	2081.9	1722.3	1531.2	1149.0	862.2
120°	3473.0	3716.5	3473.0	3229.5	3168.6	2675.9	2018.9	1690.4	1515.7	1166.1	903.8
122.5°	3297.2	3537.4	3297.2	3057.1	2997.0	2553.3	1961.7	1665.9	1507.5	1190.6	952.9
125°	3046.5	3267.7	3046.5	2825.3	2770.0	2393.1	1890.5	1639.2	1500.7	1223.5	1015.7
127.5°	2821.1	3007.7	2821.1	2634.4	2587.8	2264.1	1832.6	1616.9	1496.8	1256.6	1076.5
130°	2688.2	2860.6	2688.2	2515.8	2472.7	2184.6	1800.4	1608.3	1499.2	1280.8	1116.9
132.5°	2567.7	2722.1	2567.7	2413.3	2374.6	2116.7	1772.7	1600.8	1500.6	1300.2	1150.0
135°	2402.4	2535.6	2402.4	2269.3	2236.0	2020.0	1732.1	1588.1	1499.3	1321.6	1188.3
137.5°	2269.9	2378.9	2269.9	2161.0	2133.8	1951.2	1707.7	1585.9	1508.5	1353.5	1237.4
140°	2179.1	2280.9	2179.1	2077.2	2051.7	1893.9	1683.6	1578.4	1510.0	1373.1	1270.4
142.5°	2103.6	2191.3	2103.6	2016.0	1994.1	1855.6	1670.8	1578.4	1515.4	1389.4	1294.9
145°	1990.7	2057.0	1990.7	1924.4	1907.8	1794.4	1643.3	1567.8	1515.5	1410.8	1332.3
147.5°	1904.0	1958.9	1904.0	1849.1	1835.4	1746.2	1627.3	1567.8	1525.9	1442.0	1379.2
150°	1849.4	1893.9	1849.4	1804.9	1793.8	1718.4	1618.1	1567.8	1531.4	1458.4	1403.7
152.5°	1802.7	1836.4	1802.7	1769.1	1760.7	1696.4	1610.7	1567.8	1534.9	1469.0	1419.6
155°	1749.1	1771.4	1749.1	1726.8	1721.2	1670.1	1601.9	1567.8	1542.7	1492.5	1454.8
157.5°	1706.7	1722.3	1706.7	1691.1	1687.2	1647.4	1594.3	1567.8	1550.6	1516.0	1490.0
160°	1681.4	1690.4	1681.4	1672.3	1670.1	1636.0	1590.6	1567.8	1554.1	1526.6	1506.0
162.5°	1664.8	1673.3	1664.8	1656.2	1654.1	1625.3	1587.0	1567.8	1557.8	1537.9	1523.0
165°	1640.9	1649.8	1640.9	1631.8	1629.6	1609.0	1581.6	1567.8	1563.3	1554.3	1547.5
167.5°	1623.7	1627.5	1623.7	1619.9	1619.0	1605.5	1587.5	1578.4	1574.7	1567.1	1561.4
170°	1619.0	1619.0	1619.0	1619.0	1619.0	1605.5	1587.5	1578.4	1578.2	1577.7	1577.4
172.5°	1606.3	1602.9	1606.3	1609.6	1610.5	1599.8	1585.5	1578.4	1578.4	1578.4	1578.4
175°	1598.7	1598.7	1598.7	1598.7	1598.7	1591.9	1583.0	1578.4	1580.6	1584.8	1588.1
177.5°	1591.8	1588.1	1591.8	1595.6	1596.5	1591.2	1584.2	1580.6	1582.3	1585.6	1588.1
180°	1588.1	1588.1	1588.1	1588.1	1588.1	1588.1	1588.1	1588.1	1588.1	1588.1	1588.1



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2708.5	2708.5	2708.5	2708.5	2708.5	2708.5	2708.5	2708.5	2708.5	2708.5	2708.5
2.5°	2747.0	2731.6	2731.6	2706.0	2695.7	2688.0	2675.2	2636.8	2626.5	2616.3	2631.7
5°	2770.0	2741.8	2721.3	2675.2	2636.8	2621.4	2572.7	2480.5	2419.0	2372.9	2347.2
7.5°	2775.1	2739.3	2700.8	2629.1	2536.8	2495.8	2347.2	2178.0	2131.9	2090.9	2065.3
10°	2770.0	2729.0	2675.2	2567.6	2349.8	2278.0	2129.3	2019.2	1991.0	1983.3	1991.0
12.5°	2752.1	2713.7	2639.3	2460.0	2155.0	2106.3	2019.2	1955.1	1950.0	1962.8	2032.0
15°	2721.3	2685.5	2598.3	2316.5	2047.3	2011.5	1950.0	1926.9	1955.1	2044.8	2252.3
17.5°	2690.6	2649.6	2542.0	2175.5	1965.3	1939.7	1896.2	1942.3	2101.2	2221.6	2290.9
20°	2649.6	2600.9	2477.9	2073.0	1906.4	1883.4	1862.9	2070.4	2190.8	2234.4	2272.9
22.5°	2600.9	2549.7	2390.8	2001.2	1844.9	1827.0	1839.8	2142.2	2190.8	2221.6	2254.9
25°	2536.8	2493.3	2288.3	1944.8	1796.2	1775.7	1824.4	2134.5	2162.7	2170.3	2237.0
27.5°	2477.9	2421.5	2180.6	1893.6	1737.3	1729.6	1837.2	2101.2	2121.7	2129.3	2201.1
30°	2406.2	2321.6	2060.2	1839.8	1675.8	1673.2	1839.8	2060.2	2055.0	2075.5	2147.3
32.5°	2331.9	2172.9	1924.4	1773.2	1616.9	1614.3	1821.9	1998.7	1993.5	2021.7	2075.5
35°	2262.7	2057.6	1739.9	1696.3	1542.6	1545.1	1778.3	1926.9	1929.5	1955.1	1988.4
37.5°	2190.8	1957.7	1537.4	1611.7	1470.8	1470.8	1719.4	1860.3	1855.2	1862.9	1909.0
40°	2106.3	1801.4	1358.1	1501.6	1404.2	1396.5	1647.6	1788.5	1770.6	1768.0	1832.1
42.5°	2016.6	1629.7	1224.8	1355.5	1327.3	1317.1	1560.5	1701.4	1668.1	1675.8	1757.8
45°	1919.2	1583.6	1122.3	1145.4	1247.9	1240.2	1465.7	1601.5	1578.4	1598.9	1683.5
47.5°	1821.9	1491.3	1089.0	950.6	1163.3	1160.8	1360.6	1504.1	1491.3	1511.8	1601.5
50°	1688.6	1388.8	1086.5	814.8	1068.5	1078.8	1235.1	1409.3	1409.3	1427.2	1522.1
52.5°	1516.9	1263.3	986.5	738.0	958.3	989.1	1124.9	1327.3	1332.4	1350.4	1434.9
55°	1360.6	1132.6	914.8	679.0	827.7	894.3	1017.3	1242.8	1253.0	1270.9	1347.8
57.5°	1217.1	943.0	899.4	609.8	707.2	771.3	922.5	1160.8	1165.9	1181.3	1255.6
60°	1063.4	681.6	825.1	535.5	602.2	650.8	835.3	1063.4	1081.3	1091.6	1155.6
62.5°	889.1	494.5	748.2	484.3	550.9	561.2	763.6	971.1	994.2	1001.9	1040.3
65°	632.9	415.1	635.5	440.7	497.1	499.7	686.7	876.3	896.8	909.6	937.8
67.5°	427.9	338.2	484.3	399.7	456.1	458.7	612.4	766.2	794.3	804.6	822.5
70°	297.2	225.5	358.7	356.2	410.0	415.1	533.0	666.2	691.8	699.5	709.8
72.5°	217.8	181.9	297.2	320.3	361.3	366.4	451.0	553.5	579.1	586.8	591.9
75°	166.6	192.2	240.9	279.3	307.5	310.0	369.0	451.0	468.9	474.0	476.6
77.5°	133.2	179.4	176.8	225.5	251.1	246.0	289.5	348.5	363.9	363.9	363.9
80°	99.9	140.9	133.2	161.4	184.5	179.4	207.6	248.6	253.7	258.8	256.2
82.5°	74.3	89.7	89.7	102.5	123.0	117.9	138.4	161.4	161.4	161.4	166.6
85°	46.1	51.2	41.0	53.8	69.2	66.6	76.9	87.1	89.7	89.7	84.6
87.5°	28.2	23.1	12.8	20.5	30.7	30.7	35.9	38.4	35.9	35.9	35.9
90°	27.7	19.2	10.7	19.2	27.7	29.8	46.9	69.6	81.0	72.0	54.0
92.5°	187.6	115.1	42.6	115.1	187.6	205.7	289.2	400.5	456.2	399.8	287.1
95°	367.6	235.0	102.3	235.0	367.6	400.8	711.6	1126.1	1333.3	1189.8	902.7
97.5°	410.9	293.9	176.9	293.9	410.9	440.2	958.5	1649.6	1995.2	1904.4	1723.0
100°	446.6	340.5	234.5	340.5	446.6	473.2	1048.4	1815.3	2198.8	2205.4	2218.7
102.5°	481.5	382.5	283.5	382.5	481.5	506.2	1089.6	1867.5	2256.3	2371.9	2603.0
105°	534.3	450.5	366.7	450.5	534.3	555.3	1120.2	1873.4	2249.9	2509.1	3027.3
107.5°	608.2	530.1	451.9	530.1	608.2	627.8	1125.8	1789.9	2122.0	2483.5	3206.3
110°	650.6	580.0	509.5	580.0	650.6	668.3	1117.3	1716.0	2015.4	2419.5	3227.6



TEST NUMBER: P935125

CATALOG NUMBER: SQ4-FA-100U-075D-92765-1D-UNV-STD-W-12-2700K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	700.5	633.3	565.9	633.3	700.5	717.3	1117.7	1651.5	1918.5	2332.0	3159.1
115°	775.3	713.3	651.2	713.3	775.3	790.8	1128.0	1577.5	1802.3	2200.7	2997.4
117.5°	848.1	791.8	735.4	791.8	848.1	862.2	1149.0	1531.2	1722.3	2081.9	2800.9
120°	890.6	837.5	784.4	837.5	890.6	903.8	1166.1	1515.7	1690.4	2018.9	2675.9
122.5°	939.5	886.0	832.4	886.0	939.5	952.9	1190.6	1507.5	1665.9	1961.7	2553.3
125°	1003.5	954.7	906.0	954.7	1003.5	1015.7	1223.5	1500.7	1639.2	1890.5	2393.1
127.5°	1064.2	1014.9	965.6	1014.9	1064.2	1076.5	1256.6	1496.8	1616.9	1832.6	2264.1
130°	1103.7	1050.7	997.6	1050.7	1103.7	1116.9	1280.8	1499.2	1608.3	1800.4	2184.6
132.5°	1136.8	1083.7	1030.7	1083.7	1136.8	1150.0	1300.2	1500.6	1600.8	1772.7	2116.7
135°	1176.3	1128.0	1079.7	1128.0	1176.3	1188.3	1321.6	1499.3	1588.1	1732.1	2020.0
137.5°	1225.4	1177.6	1129.8	1177.6	1225.4	1237.4	1353.5	1508.5	1585.9	1707.7	1951.2
140°	1259.4	1215.4	1171.4	1215.4	1259.4	1270.4	1373.1	1510.0	1578.4	1683.6	1893.9
142.5°	1284.8	1244.0	1203.3	1244.0	1284.8	1294.9	1389.4	1515.4	1578.4	1670.8	1855.6
145°	1323.4	1287.9	1252.3	1287.9	1323.4	1332.3	1410.8	1515.5	1567.8	1643.3	1794.4
147.5°	1370.5	1335.9	1301.3	1335.9	1370.5	1379.2	1442.0	1525.9	1567.8	1627.3	1746.2
150°	1395.8	1364.6	1333.3	1364.6	1395.8	1403.7	1458.4	1531.4	1567.8	1618.1	1718.4
152.5°	1413.8	1390.0	1366.3	1390.0	1413.8	1419.6	1469.0	1534.9	1567.8	1610.7	1696.4
155°	1450.5	1432.9	1415.4	1432.9	1450.5	1454.8	1492.5	1542.7	1567.8	1601.9	1670.1
157.5°	1485.8	1468.7	1451.6	1468.7	1485.8	1490.0	1516.0	1550.6	1567.8	1594.3	1647.4
160°	1502.7	1489.4	1476.1	1489.4	1502.7	1506.0	1526.6	1554.1	1567.8	1590.6	1636.0
162.5°	1520.5	1510.5	1500.6	1510.5	1520.5	1523.0	1537.9	1557.8	1567.8	1587.0	1625.3
165°	1545.3	1536.2	1527.3	1536.2	1545.3	1547.5	1554.3	1563.3	1567.8	1581.6	1609.0
167.5°	1560.3	1556.1	1551.8	1556.1	1560.3	1561.4	1567.1	1574.7	1578.4	1587.5	1605.5
170°	1576.4	1572.1	1567.8	1572.1	1576.4	1577.4	1577.7	1578.2	1578.4	1587.5	1605.5
172.5°	1578.2	1577.2	1576.3	1577.2	1578.2	1578.4	1578.4	1578.4	1578.4	1585.5	1599.8
175°	1588.1	1588.1	1588.1	1588.1	1588.1	1588.1	1588.1	1584.8	1580.6	1578.4	1583.0
177.5°	1588.1	1588.1	1588.1	1588.1	1588.1	1588.1	1588.1	1585.6	1582.3	1580.6	1584.2
180°	1588.1	1588.1	1588.1	1588.1	1588.1	1588.1	1588.1	1588.1	1588.1	1588.1	1588.1



TEST NUMBER: P935125

CATALOG NUMBER: SQ4-FA-100U-075D-92765-1D-UNV-STD-W-12-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2708.5	2708.5	2708.5	2708.5	2708.5	2708.5	2708.5	2708.5	2708.5	2708.5	2708.5
2.5°	2613.7	2606.0	2616.3	2588.1	2616.3	2606.0	2613.7	2631.7	2616.3	2626.5	2636.8
5°	2293.4	2280.6	2239.5	2206.2	2239.5	2280.6	2293.4	2347.2	2372.9	2419.0	2480.5
7.5°	2049.9	2039.7	2029.4	2008.9	2029.4	2039.7	2049.9	2065.3	2090.9	2131.9	2178.0
10°	1996.1	1998.7	2014.0	2011.5	2014.0	1998.7	1996.1	1991.0	1983.3	1991.0	2019.2
12.5°	2134.5	2157.5	2242.1	2237.0	2242.1	2157.5	2134.5	2032.0	1962.8	1950.0	1955.1
15°	2293.4	2301.1	2319.0	2321.6	2319.0	2301.1	2293.4	2252.3	2044.8	1955.1	1926.9
17.5°	2308.8	2311.4	2324.2	2324.2	2324.2	2311.4	2308.8	2290.9	2221.6	2101.2	1942.3
20°	2296.0	2301.1	2326.7	2331.9	2326.7	2301.1	2296.0	2272.9	2234.4	2190.8	2070.4
22.5°	2290.9	2301.1	2321.6	2319.0	2321.6	2301.1	2290.9	2254.9	2221.6	2190.8	2142.2
25°	2265.2	2265.2	2267.8	2270.4	2267.8	2265.2	2265.2	2237.0	2170.3	2162.7	2134.5
27.5°	2211.3	2216.5	2231.8	2229.3	2231.8	2216.5	2211.3	2201.1	2129.3	2121.7	2101.2
30°	2162.7	2157.5	2144.7	2134.5	2144.7	2157.5	2162.7	2147.3	2075.5	2055.0	2060.2
32.5°	2080.7	2067.8	2055.0	2047.3	2055.0	2067.8	2080.7	2075.5	2021.7	1993.5	1998.7
35°	1983.3	1985.8	1983.3	1975.6	1983.3	1985.8	1983.3	1988.4	1955.1	1929.5	1926.9
37.5°	1914.1	1919.2	1916.7	1906.4	1916.7	1919.2	1914.1	1909.0	1862.9	1855.2	1860.3
40°	1842.4	1844.9	1842.4	1834.7	1842.4	1844.9	1842.4	1832.1	1768.0	1770.6	1788.5
42.5°	1773.2	1770.6	1762.9	1757.8	1762.9	1770.6	1773.2	1757.8	1675.8	1668.1	1701.4
45°	1693.7	1696.3	1680.9	1673.2	1680.9	1696.3	1693.7	1683.5	1598.9	1578.4	1601.5
47.5°	1614.3	1614.3	1601.5	1593.8	1601.5	1614.3	1614.3	1601.5	1511.8	1491.3	1504.1
50°	1529.7	1527.2	1509.2	1506.7	1509.2	1527.2	1529.7	1522.1	1427.2	1409.3	1409.3
52.5°	1432.4	1432.4	1434.9	1440.1	1434.9	1432.4	1432.4	1434.9	1350.4	1332.4	1327.3
55°	1347.8	1350.4	1368.3	1373.4	1368.3	1350.4	1347.8	1347.8	1270.9	1253.0	1242.8
57.5°	1260.7	1260.7	1273.5	1273.5	1273.5	1260.7	1260.7	1255.6	1181.3	1165.9	1160.8
60°	1160.8	1165.9	1176.1	1173.6	1176.1	1165.9	1160.8	1155.6	1091.6	1081.3	1063.4
62.5°	1055.7	1060.8	1063.4	1058.3	1063.4	1060.8	1055.7	1040.3	1001.9	994.2	971.1
65°	945.5	950.6	953.2	948.1	953.2	950.6	945.5	937.8	909.6	896.8	876.3
67.5°	832.8	830.2	827.7	837.9	827.7	830.2	832.8	822.5	804.6	794.3	766.2
70°	717.5	717.5	714.9	720.0	714.9	717.5	717.5	709.8	699.5	691.8	666.2
72.5°	594.5	591.9	602.2	594.5	602.2	591.9	594.5	591.9	586.8	579.1	553.5
75°	474.0	479.2	474.0	481.7	474.0	479.2	474.0	476.6	474.0	468.9	451.0
77.5°	361.3	366.4	361.3	361.3	361.3	366.4	361.3	363.9	363.9	363.9	348.5
80°	256.2	253.7	253.7	251.1	253.7	253.7	256.2	256.2	258.8	253.7	248.6
82.5°	164.0	161.4	161.4	166.6	161.4	161.4	164.0	166.6	161.4	161.4	161.4
85°	89.7	92.2	87.1	87.1	87.1	92.2	89.7	84.6	89.7	89.7	87.1
87.5°	33.3	30.7	30.7	30.7	30.7	30.7	33.3	35.9	35.9	35.9	38.4
90°	40.5	40.5	40.5	40.5	40.5	40.5	40.5	54.0	72.0	81.0	69.6
92.5°	202.5	194.5	162.2	130.0	162.2	194.5	202.5	287.1	399.8	456.2	400.5
95°	687.4	663.0	565.4	467.9	565.4	663.0	687.4	902.7	1189.8	1333.3	1126.1
97.5°	1587.0	1540.6	1354.9	1169.2	1354.9	1540.6	1587.0	1723.0	1904.4	1995.2	1649.6
100°	2228.6	2173.3	1952.1	1730.9	1952.1	2173.3	2228.6	2218.7	2205.4	2198.8	1815.3
102.5°	2776.4	2729.0	2539.6	2350.1	2539.6	2729.0	2776.4	2603.0	2371.9	2256.3	1867.5
105°	3415.9	3390.5	3288.6	3186.8	3288.6	3390.5	3415.9	3027.3	2509.1	2249.9	1873.4
107.5°	3748.4	3754.6	3779.3	3803.9	3779.3	3754.6	3748.4	3206.3	2483.5	2122.0	1789.9
110°	3833.7	3860.2	3966.3	4072.5	3966.3	3860.2	3833.7	3227.6	2419.5	2015.4	1716.0



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3779.3	3820.1	3983.1	4146.0	3983.1	3820.1	3779.3	3159.1	2332.0	1918.5	1651.5
115°	3594.9	3651.4	3877.4	4103.3	3877.4	3651.4	3594.9	2997.4	2200.7	1802.3	1577.5
117.5°	3340.2	3402.8	3653.4	3904.0	3653.4	3402.8	3340.2	2800.9	2081.9	1722.3	1531.2
120°	3168.6	3229.5	3473.0	3716.5	3473.0	3229.5	3168.6	2675.9	2018.9	1690.4	1515.7
122.5°	2997.0	3057.1	3297.2	3537.4	3297.2	3057.1	2997.0	2553.3	1961.7	1665.9	1507.5
125°	2770.0	2825.3	3046.5	3267.7	3046.5	2825.3	2770.0	2393.1	1890.5	1639.2	1500.7
127.5°	2587.8	2634.4	2821.1	3007.7	2821.1	2634.4	2587.8	2264.1	1832.6	1616.9	1496.8
130°	2472.7	2515.8	2688.2	2860.6	2688.2	2515.8	2472.7	2184.6	1800.4	1608.3	1499.2
132.5°	2374.6	2413.3	2567.7	2722.1	2567.7	2413.3	2374.6	2116.7	1772.7	1600.8	1500.6
135°	2236.0	2269.3	2402.4	2535.6	2402.4	2269.3	2236.0	2020.0	1732.1	1588.1	1499.3
137.5°	2133.8	2161.0	2269.9	2378.9	2269.9	2161.0	2133.8	1951.2	1707.7	1585.9	1508.5
140°	2051.7	2077.2	2179.1	2280.9	2179.1	2077.2	2051.7	1893.9	1683.6	1578.4	1510.0
142.5°	1994.1	2016.0	2103.6	2191.3	2103.6	2016.0	1994.1	1855.6	1670.8	1578.4	1515.4
145°	1907.8	1924.4	1990.7	2057.0	1990.7	1924.4	1907.8	1794.4	1643.3	1567.8	1515.5
147.5°	1835.4	1849.1	1904.0	1958.9	1904.0	1849.1	1835.4	1746.2	1627.3	1567.8	1525.9
150°	1793.8	1804.9	1849.4	1893.9	1849.4	1804.9	1793.8	1718.4	1618.1	1567.8	1531.4
152.5°	1760.7	1769.1	1802.7	1836.4	1802.7	1769.1	1760.7	1696.4	1610.7	1567.8	1534.9
155°	1721.2	1726.8	1749.1	1771.4	1749.1	1726.8	1721.2	1670.1	1601.9	1567.8	1542.7
157.5°	1687.2	1691.1	1706.7	1722.3	1706.7	1691.1	1687.2	1647.4	1594.3	1567.8	1550.6
160°	1670.1	1672.3	1681.4	1690.4	1681.4	1672.3	1670.1	1636.0	1590.6	1567.8	1554.1
162.5°	1654.1	1656.2	1664.8	1673.3	1664.8	1656.2	1654.1	1625.3	1587.0	1567.8	1557.8
165°	1629.6	1631.8	1640.9	1649.8	1640.9	1631.8	1629.6	1609.0	1581.6	1567.8	1563.3
167.5°	1619.0	1619.9	1623.7	1627.5	1623.7	1619.9	1619.0	1605.5	1587.5	1578.4	1574.7
170°	1619.0	1619.0	1619.0	1619.0	1619.0	1619.0	1619.0	1605.5	1587.5	1578.4	1578.2
172.5°	1610.5	1609.6	1606.3	1602.9	1606.3	1609.6	1610.5	1599.8	1585.5	1578.4	1578.4
175°	1598.7	1598.7	1598.7	1598.7	1598.7	1598.7	1598.7	1591.9	1583.0	1578.4	1580.6
177.5°	1596.5	1595.6	1591.8	1588.1	1591.8	1595.6	1596.5	1591.2	1584.2	1580.6	1582.3
180°	1588.1	1588.1	1588.1	1588.1	1588.1	1588.1	1588.1	1588.1	1588.1	1588.1	1588.1



TEST NUMBER: P935125

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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	2708.5	2708.5	2708.5	2708.5	2708.5
2.5°	2675.2	2688.0	2695.7	2706.0	2731.6
5°	2572.7	2621.4	2636.8	2675.2	2721.3
7.5°	2347.2	2495.8	2536.8	2629.1	2700.8
10°	2129.3	2278.0	2349.8	2567.6	2675.2
12.5°	2019.2	2106.3	2155.0	2460.0	2639.3
15°	1950.0	2011.5	2047.3	2316.5	2598.3
17.5°	1896.2	1939.7	1965.3	2175.5	2542.0
20°	1862.9	1883.4	1906.4	2073.0	2477.9
22.5°	1839.8	1827.0	1844.9	2001.2	2390.8
25°	1824.4	1775.7	1796.2	1944.8	2288.3
27.5°	1837.2	1729.6	1737.3	1893.6	2180.6
30°	1839.8	1673.2	1675.8	1839.8	2060.2
32.5°	1821.9	1614.3	1616.9	1773.2	1924.4
35°	1778.3	1545.1	1542.6	1696.3	1739.9
37.5°	1719.4	1470.8	1470.8	1611.7	1537.4
40°	1647.6	1396.5	1404.2	1501.6	1358.1
42.5°	1560.5	1317.1	1327.3	1355.5	1224.8
45°	1465.7	1240.2	1247.9	1145.4	1122.3
47.5°	1360.6	1160.8	1163.3	950.6	1089.0
50°	1235.1	1078.8	1068.5	814.8	1086.5
52.5°	1124.9	989.1	958.3	738.0	986.5
55°	1017.3	894.3	827.7	679.0	914.8
57.5°	922.5	771.3	707.2	609.8	899.4
60°	835.3	650.8	602.2	535.5	825.1
62.5°	763.6	561.2	550.9	484.3	748.2
65°	686.7	499.7	497.1	440.7	635.5
67.5°	612.4	458.7	456.1	399.7	484.3
70°	533.0	415.1	410.0	356.2	358.7
72.5°	451.0	366.4	361.3	320.3	297.2
75°	369.0	310.0	307.5	279.3	240.9
77.5°	289.5	246.0	251.1	225.5	176.8
80°	207.6	179.4	184.5	161.4	133.2
82.5°	138.4	117.9	123.0	102.5	89.7
85°	76.9	66.6	69.2	53.8	41.0
87.5°	35.9	30.7	30.7	20.5	12.8
90°	46.9	29.8	27.7	19.2	10.7
92.5°	289.2	205.7	187.6	115.1	42.6
95°	711.6	400.8	367.6	235.0	102.3
97.5°	958.5	440.2	410.9	293.9	176.9
100°	1048.4	473.2	446.6	340.5	234.5
102.5°	1089.6	506.2	481.5	382.5	283.5
105°	1120.2	555.3	534.3	450.5	366.7
107.5°	1125.8	627.8	608.2	530.1	451.9
110°	1117.3	668.3	650.6	580.0	509.5



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CATALOG NUMBER: SQ4-FA-100U-075D-92765-1D-UNV-STD-W-12-2700K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1117.7	717.3	700.5	633.3	565.9
115°	1128.0	790.8	775.3	713.3	651.2
117.5°	1149.0	862.2	848.1	791.8	735.4
120°	1166.1	903.8	890.6	837.5	784.4
122.5°	1190.6	952.9	939.5	886.0	832.4
125°	1223.5	1015.7	1003.5	954.7	906.0
127.5°	1256.6	1076.5	1064.2	1014.9	965.6
130°	1280.8	1116.9	1103.7	1050.7	997.6
132.5°	1300.2	1150.0	1136.8	1083.7	1030.7
135°	1321.6	1188.3	1176.3	1128.0	1079.7
137.5°	1353.5	1237.4	1225.4	1177.6	1129.8
140°	1373.1	1270.4	1259.4	1215.4	1171.4
142.5°	1389.4	1294.9	1284.8	1244.0	1203.3
145°	1410.8	1332.3	1323.4	1287.9	1252.3
147.5°	1442.0	1379.2	1370.5	1335.9	1301.3
150°	1458.4	1403.7	1395.8	1364.6	1333.3
152.5°	1469.0	1419.6	1413.8	1390.0	1366.3
155°	1492.5	1454.8	1450.5	1432.9	1415.4
157.5°	1516.0	1490.0	1485.8	1468.7	1451.6
160°	1526.6	1506.0	1502.7	1489.4	1476.1
162.5°	1537.9	1523.0	1520.5	1510.5	1500.6
165°	1554.3	1547.5	1545.3	1536.2	1527.3
167.5°	1567.1	1561.4	1560.3	1556.1	1551.8
170°	1577.7	1577.4	1576.4	1572.1	1567.8
172.5°	1578.4	1578.4	1578.2	1577.2	1576.3
175°	1584.8	1588.1	1588.1	1588.1	1588.1
177.5°	1585.6	1588.1	1588.1	1588.1	1588.1
180°	1588.1	1588.1	1588.1	1588.1	1588.1



TEST NUMBER: P935125
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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	11.26	12.04	12.29	13.08	14.48	14.11	14.89	15.14	15.93	17.33
	3H	11.73	12.43	12.77	13.48	14.90	15.46	16.16	16.50	17.21	18.62
	4H	11.92	12.58	12.97	13.63	15.06	15.90	16.56	16.96	17.62	19.04
	6H	12.03	12.64	13.10	13.70	15.14	16.19	16.80	17.25	17.85	19.29
	8H	12.03	12.61	13.10	13.68	15.12	16.26	16.84	17.33	17.91	19.35
	12H	12.00	12.55	13.07	13.62	15.07	16.30	16.85	17.38	17.92	19.38
4H	2H	12.29	12.95	13.35	14.00	15.43	14.51	15.17	15.57	16.22	17.65
	3H	13.31	13.86	14.38	14.94	16.38	16.01	16.57	17.08	17.65	19.08
	4H	13.58	14.09	14.65	15.16	16.62	16.54	17.05	17.62	18.12	19.58
	6H	13.70	14.13	14.78	15.23	16.68	16.91	17.34	17.99	18.44	19.89
	8H	13.70	14.11	14.79	15.19	16.67	17.02	17.42	18.10	18.51	19.98
	12H	13.67	14.03	14.77	15.13	16.61	17.07	17.44	18.18	18.54	20.02
8H	4H	14.03	14.44	15.11	15.52	16.99	16.66	17.07	17.74	18.15	19.62
	6H	14.29	14.62	15.39	15.75	17.22	17.10	17.43	18.21	18.56	20.03
	8H	14.33	14.62	15.44	15.73	17.22	17.25	17.55	18.37	18.66	20.14
	12H	14.31	14.57	15.43	15.67	17.20	17.35	17.61	18.47	18.72	20.24
12H	4H	14.03	14.40	15.13	15.50	16.97	16.62	16.99	17.72	18.09	19.56
	6H	14.35	14.64	15.46	15.75	17.24	17.09	17.39	18.21	18.50	19.99
	8H	14.41	14.67	15.53	15.78	17.30	17.26	17.51	18.37	18.62	20.15