

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: P935693

Luminaire Tested: SQ4-FA-125U-100D-B2750-1D-UNV-STD-W-8-3000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935693
REPORT IS A COMBINATION OF REPORTS P933764 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-125U-100D-B2750-1D-UNV-STD-W-8-3000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

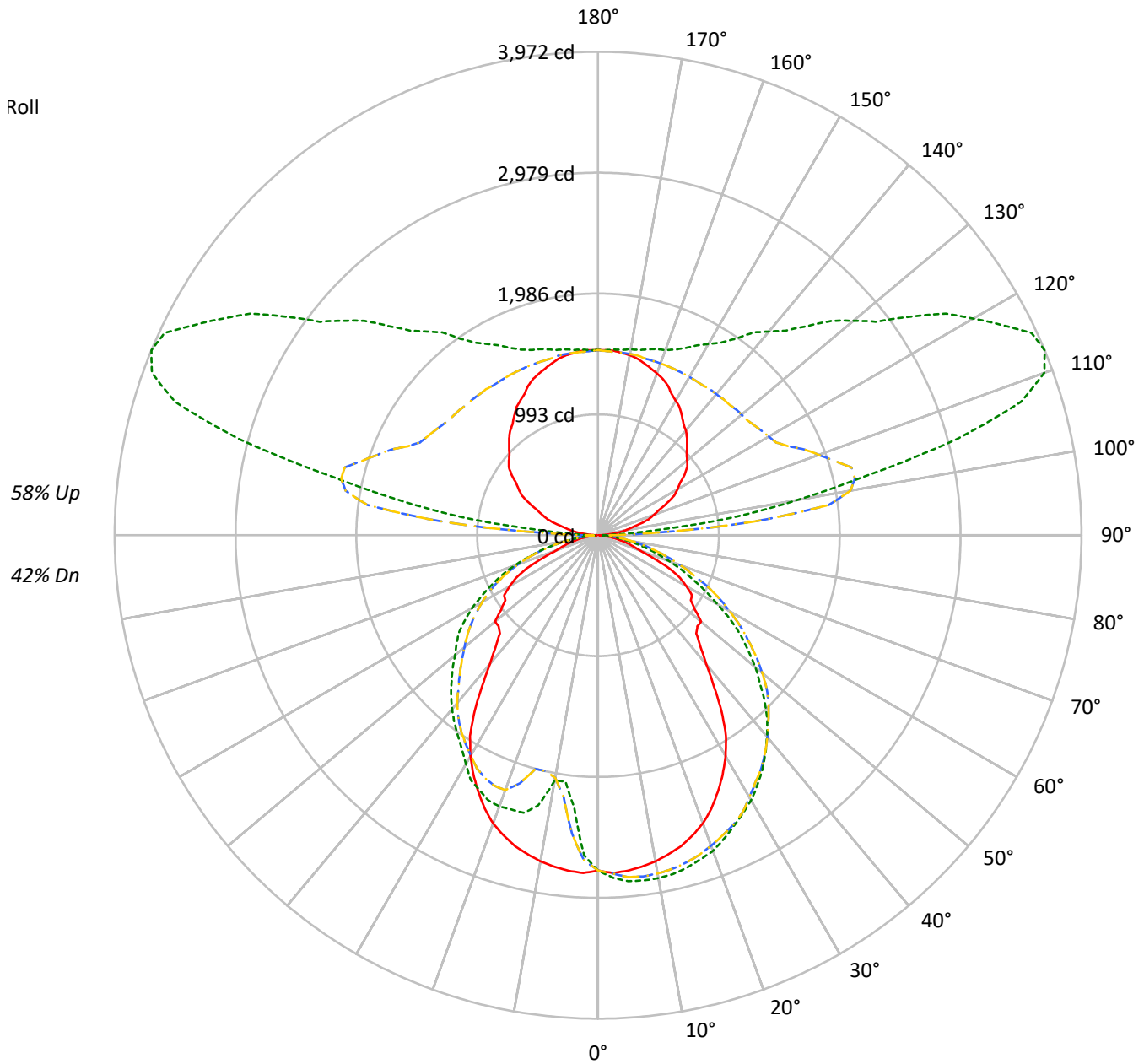
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17008.5 lumens
Efficiency: N/A
Efficacy: 132.1 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 8' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 128.8
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	50	30	10	0
RCR																					
0	105	105	105	105	96	96	96	96	79	79	79	63	63	63	49	49	49	49	49	49	42
1	96	92	88	85	88	84	81	78	69	67	65	56	54	53	43	42	41	41	41	41	35
2	87	80	74	69	80	73	68	64	61	57	54	49	46	44	38	36	35	35	35	35	30
3	80	70	63	57	72	65	58	53	53	49	45	43	40	37	34	31	30	30	30	30	25
4	73	62	54	49	66	57	50	45	47	42	38	38	35	32	30	28	25	25	25	25	22
5	67	55	47	41	61	51	44	39	42	37	33	34	31	27	27	24	22	22	22	22	19
6	62	50	42	36	56	46	39	33	38	33	29	31	27	24	24	22	19	19	19	19	16
7	57	45	37	31	52	41	34	29	34	29	25	28	24	21	22	19	17	17	17	17	15
8	53	40	33	28	48	37	31	26	31	26	22	26	22	19	20	18	15	15	15	15	13
9	49	37	30	25	45	34	27	23	29	24	20	24	20	17	19	16	14	14	14	14	12
10	46	34	27	22	42	31	25	21	26	21	18	22	18	15	17	15	13	13	13	13	11

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	12778	12778	12778	12778
5°	12873	12898	12873	10142
10°	12787	12705	12787	9084
15°	12648	12430	12648	10380
20°	12383	12104	12383	10401
25°	11842	11629	11842	10180
30°	11142	11234	11142	9697
35°	9933	10734	9933	9165
40°	8277	10146	8277	8763
45°	7395	9458	7395	8301
50°	7857	8637	7857	7837
55°	7392	7753	7392	7569
60°	7620	6584	7620	6933
65°	6908	5443	6908	6084
70°	4783	4338	4783	5100
75°	4194	3207	4194	3839
80°	3381	2120	3381	2309
85°	1942	1123	1942	953

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 11335 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	248.6	1.5
10°-20°	705.8	4.1
20°-30°	1091.1	6.4
30°-40°	1302.5	7.7
40°-50°	1310.2	7.7
50°-60°	1140.0	6.7
60°-70°	808.3	4.8
70°-80°	427.6	2.5
80°-90°	112.3	0.7
90°-100°	741.6	4.4
100°-110°	1949.6	11.5
110°-120°	2021.5	11.9
120°-130°	1621.5	9.5
130°-140°	1272.3	7.5
140°-150°	976.6	5.7
150°-160°	703.3	4.1
160°-170°	430.3	2.5
170°-180°	145.4	0.9
0°-30°	2045.5	12.0
0°-40°	3348.0	19.7
0°-60°	5798.2	34.1
0°-90°	7146.4	42.0
90°-120°	4712.7	27.7
90°-150°	8583.1	50.5
90°-180°	9862.0	58.0
0°-180°	17008.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2754	2754	2754	2754	2754	
5°	2767	2853	2767	2243	2767	262
15°	2642	2827	2642	2361	2642	743
25°	2327	2637	2327	2308	2327	1068
35°	1769	2353	1769	2009	1769	1094
45°	1141	1938	1141	1701	1141	914
55°	930	1430	930	1397	930	855
65°	646	862	646	964	646	618
75°	245	409	245	490	245	257
85°	42	104	42	88	42	56
90°	10	39	10	39	10	10
95°	98	448	98	448	98	109
105°	351	3053	351	3053	351	372
115°	624	3931	624	3931	624	616
125°	868	3130	868	3130	868	771
135°	1034	2429	1034	2429	1034	800
145°	1200	1970	1200	1970	1200	752
155°	1356	1697	1356	1697	1356	623
165°	1463	1581	1463	1581	1463	413
175°	1521	1532	1521	1532	1521	144
180°	1521	1521	1521	1521	1521	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2754.0	2754.0	2754.0	2754.0	2754.0	2754.0	2754.0	2754.0	2754.0	2754.0	2754.0
2.5°	2777.5	2777.5	2793.0	2798.3	2798.3	2790.5	2782.7	2790.5	2813.9	2821.7	2819.2
5°	2767.0	2787.8	2816.5	2821.7	2827.0	2824.3	2819.2	2824.3	2850.4	2855.7	2858.2
7.5°	2746.2	2785.3	2821.7	2829.5	2837.4	2829.5	2827.0	2832.2	2858.2	2863.4	2863.4
10°	2720.1	2774.8	2816.5	2821.7	2829.5	2821.7	2821.7	2832.2	2858.2	2863.4	2866.0
12.5°	2683.6	2759.2	2798.3	2803.5	2813.9	2811.3	2808.7	2819.2	2845.2	2850.4	2850.4
15°	2642.0	2730.5	2767.0	2772.2	2790.5	2785.3	2785.3	2795.7	2824.3	2832.2	2829.5
17.5°	2584.6	2694.0	2735.8	2743.5	2756.6	2754.0	2756.6	2767.0	2793.0	2798.3	2800.9
20°	2519.5	2644.6	2694.0	2701.8	2715.0	2715.0	2715.0	2728.0	2754.0	2764.4	2764.4
22.5°	2430.9	2592.5	2644.6	2649.8	2665.4	2665.4	2670.6	2688.8	2712.3	2715.0	2715.0
25°	2326.7	2535.1	2579.4	2595.1	2610.7	2618.5	2626.3	2636.8	2644.6	2642.0	2644.6
27.5°	2217.2	2462.1	2519.5	2529.9	2550.8	2558.6	2569.0	2571.6	2574.2	2582.0	2576.8
30°	2094.8	2360.6	2446.6	2457.0	2490.8	2496.1	2485.6	2490.8	2503.8	2509.1	2514.3
32.5°	1956.7	2209.4	2371.0	2394.4	2425.7	2410.1	2407.4	2415.3	2436.1	2436.1	2441.3
35°	1769.1	2092.2	2300.6	2321.4	2344.9	2326.7	2337.1	2339.7	2352.8	2360.6	2357.9
37.5°	1563.3	1990.5	2227.7	2243.3	2261.6	2238.1	2253.7	2261.6	2271.9	2266.8	2266.8
40°	1380.9	1831.7	2141.7	2152.1	2167.7	2149.5	2165.2	2170.4	2175.6	2170.4	2167.7
42.5°	1245.4	1657.1	2050.5	2063.5	2053.1	2066.2	2071.4	2081.7	2074.0	2063.5	2063.5
45°	1141.2	1610.1	1951.5	1967.2	1951.5	1972.4	1980.2	1980.2	1956.7	1951.5	1948.9
47.5°	1107.4	1516.4	1852.5	1852.5	1844.7	1870.7	1883.8	1865.5	1842.0	1834.3	1834.3
50°	1104.7	1412.1	1717.0	1706.6	1743.1	1774.3	1761.3	1743.1	1724.8	1696.1	1696.1
52.5°	1003.2	1284.5	1542.4	1581.5	1638.8	1657.1	1636.3	1618.0	1586.8	1573.8	1563.3
55°	930.2	1151.6	1383.6	1461.6	1521.6	1545.1	1505.9	1487.8	1440.8	1433.1	1427.8
57.5°	914.5	958.8	1237.6	1336.6	1409.6	1406.9	1383.6	1349.6	1310.6	1302.7	1300.1
60°	839.0	693.1	1081.2	1198.5	1274.1	1266.2	1245.4	1214.2	1177.7	1172.5	1167.2
62.5°	760.8	502.9	904.1	1037.0	1143.8	1141.2	1123.0	1076.0	1050.0	1037.0	1026.5
65°	646.1	422.1	643.6	862.5	1016.2	1021.3	982.3	948.4	919.7	904.1	901.5
67.5°	492.4	343.9	435.1	719.1	893.7	888.5	839.0	823.3	786.8	779.0	763.4
70°	364.7	229.2	302.2	583.6	773.8	760.8	721.8	703.5	669.6	651.4	640.9
72.5°	302.2	185.0	221.5	453.4	651.4	635.8	601.9	581.0	552.4	536.7	526.3
75°	244.9	195.4	169.4	336.1	528.9	518.5	487.2	466.4	442.9	422.1	424.7
77.5°	179.7	182.4	135.5	247.5	419.4	403.9	385.6	359.6	349.1	328.3	328.3
80°	135.5	143.3	101.7	169.4	302.2	302.2	286.6	268.4	250.1	239.7	239.7
82.5°	91.2	91.2	75.5	106.8	205.9	198.0	187.6	182.4	172.0	166.7	166.7
85°	41.7	52.1	46.9	65.2	112.0	117.2	117.2	112.0	109.4	104.2	106.8
87.5°	13.0	23.5	28.7	36.5	57.3	59.9	62.5	62.5	62.5	65.2	65.2
90°	10.3	18.4	26.5	28.6	45.0	66.8	77.6	68.9	51.7	38.7	38.7
92.5°	40.8	110.2	179.7	197.1	277.1	383.7	437.0	383.0	275.0	193.9	186.3
95°	98.0	225.1	352.2	383.9	681.7	1078.8	1277.3	1139.8	864.8	658.5	635.2
97.5°	169.5	281.6	393.7	421.7	918.3	1580.4	1911.4	1824.5	1650.7	1520.3	1475.8
100°	224.6	326.3	427.9	453.4	1004.3	1739.0	2106.4	2112.7	2125.4	2135.0	2082.0
102.5°	271.5	366.4	461.3	485.0	1043.9	1789.0	2161.5	2272.2	2493.7	2659.7	2614.4
105°	351.2	431.6	511.8	531.9	1073.1	1794.6	2155.4	2403.6	2900.0	3272.3	3248.0
107.5°	433.0	507.8	582.6	601.4	1078.5	1714.8	2032.8	2379.1	3071.6	3590.9	3596.8
110°	488.1	555.7	623.3	640.2	1070.4	1644.0	1930.8	2317.9	3092.0	3672.6	3698.0



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	542.2	606.6	671.1	687.1	1070.7	1582.1	1837.8	2234.0	3026.2	3620.5	3659.5
115°	623.8	683.3	742.7	757.5	1080.6	1511.2	1726.6	2108.2	2871.4	3443.9	3498.0
117.5°	704.5	758.5	812.5	826.0	1100.7	1466.9	1650.0	1994.4	2683.2	3199.9	3259.9
120°	751.4	802.3	853.1	865.8	1116.9	1451.9	1619.3	1934.0	2563.4	3035.5	3093.8
122.5°	797.4	848.7	899.9	912.7	1140.4	1444.0	1595.8	1879.2	2446.1	2871.1	2928.6
125°	867.9	914.6	961.4	973.0	1172.1	1437.6	1570.3	1811.1	2292.5	2653.6	2706.6
127.5°	925.1	972.3	1019.4	1031.3	1203.8	1433.8	1548.9	1755.6	2169.0	2479.0	2523.7
130°	955.6	1006.5	1057.3	1070.0	1226.9	1436.1	1540.7	1724.7	2092.8	2368.8	2410.1
132.5°	987.3	1038.2	1088.9	1101.7	1245.6	1437.6	1533.5	1698.3	2027.7	2274.8	2311.8
135°	1034.3	1080.6	1126.9	1138.4	1266.0	1436.2	1521.3	1659.2	1935.1	2142.1	2173.9
137.5°	1082.2	1128.1	1173.9	1185.4	1296.7	1445.1	1519.2	1635.9	1869.2	2044.1	2070.2
140°	1122.1	1164.3	1206.5	1217.0	1315.4	1446.6	1512.1	1612.9	1814.3	1965.5	1989.8
142.5°	1152.7	1191.8	1230.7	1240.5	1331.0	1451.8	1512.1	1600.6	1777.6	1910.3	1931.3
145°	1199.7	1233.7	1267.8	1276.3	1351.5	1451.8	1501.9	1574.2	1719.1	1827.6	1843.5
147.5°	1246.7	1279.8	1313.0	1321.2	1381.5	1461.7	1501.9	1558.9	1672.7	1758.2	1771.3
150°	1277.3	1307.2	1337.2	1344.7	1397.1	1467.0	1501.9	1550.0	1646.2	1718.4	1729.0
152.5°	1308.9	1331.6	1354.3	1360.0	1407.3	1470.3	1501.9	1543.0	1625.1	1686.8	1694.8
155°	1355.9	1372.7	1389.5	1393.7	1429.8	1477.8	1501.9	1534.6	1600.0	1649.0	1654.3
157.5°	1390.7	1406.9	1423.3	1427.3	1452.2	1485.3	1501.9	1527.3	1578.1	1616.3	1620.0
160°	1414.1	1426.8	1439.6	1442.7	1462.4	1488.8	1501.9	1523.7	1567.2	1599.9	1602.1
162.5°	1437.6	1447.1	1456.6	1459.0	1473.3	1492.3	1501.9	1520.2	1557.0	1584.6	1586.7
165°	1463.1	1471.8	1480.4	1482.5	1489.0	1497.5	1501.9	1515.1	1541.4	1561.1	1563.3
167.5°	1486.6	1490.6	1494.8	1495.8	1501.2	1508.5	1512.1	1520.7	1538.0	1550.9	1551.8
170°	1501.9	1506.0	1510.2	1511.1	1511.4	1511.9	1512.1	1520.7	1538.0	1550.9	1550.9
172.5°	1510.1	1510.9	1511.9	1512.1	1512.1	1512.1	1512.1	1518.9	1532.5	1542.8	1542.0
175°	1521.3	1521.3	1521.3	1521.3	1518.2	1514.2	1512.1	1516.5	1525.0	1531.6	1531.6
177.5°	1521.3	1521.3	1521.3	1521.3	1518.9	1515.8	1514.2	1517.6	1524.4	1529.5	1528.6
180°	1521.3	1521.3	1521.3	1521.3	1521.3	1521.3	1521.3	1521.3	1521.3	1521.3	1521.3



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2754.0	2754.0	2754.0	2754.0	2754.0	2754.0	2754.0	2754.0	2754.0	2754.0	2754.0
2.5°	2824.3	2816.5	2824.3	2819.2	2821.7	2813.9	2790.5	2782.7	2790.5	2798.3	2798.3
5°	2858.2	2853.0	2858.2	2858.2	2855.7	2850.4	2824.3	2819.2	2824.3	2827.0	2821.7
7.5°	2868.7	2860.8	2868.7	2863.4	2863.4	2858.2	2832.2	2827.0	2829.5	2837.4	2829.5
10°	2868.7	2860.8	2868.7	2866.0	2863.4	2858.2	2832.2	2821.7	2821.7	2829.5	2821.7
12.5°	2855.7	2850.4	2855.7	2850.4	2850.4	2845.2	2819.2	2808.7	2811.3	2813.9	2803.5
15°	2834.8	2827.0	2834.8	2829.5	2832.2	2824.3	2795.7	2785.3	2785.3	2790.5	2772.2
17.5°	2803.5	2793.0	2803.5	2800.9	2798.3	2793.0	2767.0	2756.6	2754.0	2756.6	2743.5
20°	2767.0	2759.2	2767.0	2764.4	2764.4	2754.0	2728.0	2715.0	2715.0	2715.0	2701.8
22.5°	2709.7	2701.8	2709.7	2715.0	2715.0	2712.3	2688.8	2670.6	2665.4	2665.4	2649.8
25°	2644.6	2636.8	2644.6	2644.6	2642.0	2644.6	2636.8	2626.3	2618.5	2610.7	2595.1
27.5°	2582.0	2576.8	2582.0	2576.8	2582.0	2574.2	2571.6	2569.0	2558.6	2550.8	2529.9
30°	2519.5	2514.3	2519.5	2514.3	2509.1	2503.8	2490.8	2485.6	2496.1	2490.8	2457.0
32.5°	2441.3	2436.1	2441.3	2441.3	2436.1	2436.1	2415.3	2407.4	2410.1	2425.7	2394.4
35°	2360.6	2352.8	2360.6	2357.9	2360.6	2352.8	2339.7	2337.1	2326.7	2344.9	2321.4
37.5°	2266.8	2258.9	2266.8	2266.8	2266.8	2271.9	2261.6	2253.7	2238.1	2261.6	2243.3
40°	2170.4	2159.9	2170.4	2167.7	2170.4	2175.6	2170.4	2165.2	2149.5	2167.7	2152.1
42.5°	2060.9	2058.4	2060.9	2063.5	2063.5	2074.0	2081.7	2071.4	2066.2	2053.1	2063.5
45°	1943.7	1938.5	1943.7	1948.9	1951.5	1956.7	1980.2	1980.2	1972.4	1951.5	1967.2
47.5°	1818.6	1805.6	1818.6	1834.3	1834.3	1842.0	1865.5	1883.8	1870.7	1844.7	1852.5
50°	1685.8	1688.3	1685.8	1696.1	1696.1	1724.8	1743.1	1761.3	1774.3	1743.1	1706.6
52.5°	1555.5	1552.9	1555.5	1563.3	1573.8	1586.8	1618.0	1636.3	1657.1	1638.8	1581.5
55°	1425.2	1430.4	1425.2	1427.8	1433.1	1440.8	1487.8	1505.9	1545.1	1521.6	1461.6
57.5°	1294.9	1287.1	1294.9	1300.1	1302.7	1310.6	1349.6	1383.6	1406.9	1409.6	1336.6
60°	1143.8	1133.4	1143.8	1167.2	1172.5	1177.7	1214.2	1245.4	1266.2	1274.1	1198.5
62.5°	1010.9	992.7	1010.9	1026.5	1037.0	1050.0	1076.0	1123.0	1141.2	1143.8	1037.0
65°	870.2	862.5	870.2	901.5	904.1	919.7	948.4	982.3	1021.3	1016.2	862.5
67.5°	742.6	742.6	742.6	763.4	779.0	786.8	823.3	839.0	888.5	893.7	719.1
70°	625.3	622.8	625.3	640.9	651.4	669.6	703.5	721.8	760.8	773.8	583.6
72.5°	513.3	510.6	513.3	526.3	536.7	552.4	581.0	601.9	635.8	651.4	453.4
75°	414.3	409.1	414.3	424.7	422.1	442.9	466.4	487.2	518.5	528.9	336.1
77.5°	317.9	317.9	317.9	328.3	328.3	349.1	359.6	385.6	403.9	419.4	247.5
80°	237.1	234.5	237.1	239.7	239.7	250.1	268.4	286.6	302.2	302.2	169.4
82.5°	166.7	161.5	166.7	166.7	166.7	172.0	182.4	187.6	198.0	205.9	106.8
85°	104.2	104.2	104.2	106.8	104.2	109.4	112.0	117.2	117.2	112.0	65.2
87.5°	67.7	65.2	67.7	65.2	65.2	62.5	62.5	62.5	59.9	57.3	36.5
90°	38.7	38.7	38.7	38.7	38.7	51.7	68.9	77.6	66.8	45.0	28.6
92.5°	155.4	124.5	155.4	186.3	193.9	275.0	383.0	437.0	383.7	277.1	197.1
95°	541.7	448.2	541.7	635.2	658.5	864.8	1139.8	1277.3	1078.8	681.7	383.9
97.5°	1298.0	1120.1	1298.0	1475.8	1520.3	1650.7	1824.5	1911.4	1580.4	918.3	421.7
100°	1870.0	1658.2	1870.0	2082.0	2135.0	2125.4	2112.7	2106.4	1739.0	1004.3	453.4
102.5°	2432.9	2251.3	2432.9	2614.4	2659.7	2493.7	2272.2	2161.5	1789.0	1043.9	485.0
105°	3150.4	3052.9	3150.4	3248.0	3272.3	2900.0	2403.6	2155.4	1794.6	1073.1	531.9
107.5°	3620.4	3644.0	3620.4	3596.8	3590.9	3071.6	2379.1	2032.8	1714.8	1078.5	601.4
110°	3799.6	3901.3	3799.6	3698.0	3672.6	3092.0	2317.9	1930.8	1644.0	1070.4	640.2



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3815.6	3971.7	3815.6	3659.5	3620.5	3026.2	2234.0	1837.8	1582.1	1070.7	687.1
115°	3714.5	3930.9	3714.5	3498.0	3443.9	2871.4	2108.2	1726.6	1511.2	1080.6	757.5
117.5°	3499.9	3740.0	3499.9	3259.9	3199.9	2683.2	1994.4	1650.0	1466.9	1100.7	826.0
120°	3327.1	3560.2	3327.1	3093.8	3035.5	2563.4	1934.0	1619.3	1451.9	1116.9	865.8
122.5°	3158.7	3388.8	3158.7	2928.6	2871.1	2446.1	1879.2	1595.8	1444.0	1140.4	912.7
125°	2918.6	3130.5	2918.6	2706.6	2653.6	2292.5	1811.1	1570.3	1437.6	1172.1	973.0
127.5°	2702.5	2881.3	2702.5	2523.7	2479.0	2169.0	1755.6	1548.9	1433.8	1203.8	1031.3
130°	2575.2	2740.4	2575.2	2410.1	2368.8	2092.8	1724.7	1540.7	1436.1	1226.9	1070.0
132.5°	2459.8	2607.7	2459.8	2311.8	2274.8	2027.7	1698.3	1533.5	1437.6	1245.6	1101.7
135°	2301.5	2429.0	2301.5	2173.9	2142.1	1935.1	1659.2	1521.3	1436.2	1266.0	1138.4
137.5°	2174.5	2278.9	2174.5	2070.2	2044.1	1869.2	1635.9	1519.2	1445.1	1296.7	1185.4
140°	2087.5	2185.0	2087.5	1989.8	1965.5	1814.3	1612.9	1512.1	1446.6	1315.4	1217.0
142.5°	2015.2	2099.2	2015.2	1931.3	1910.3	1777.6	1600.6	1512.1	1451.8	1331.0	1240.5
145°	1907.0	1970.5	1907.0	1843.5	1827.6	1719.1	1574.2	1501.9	1451.8	1351.5	1276.3
147.5°	1824.0	1876.7	1824.0	1771.3	1758.2	1672.7	1558.9	1501.9	1461.7	1381.5	1321.2
150°	1771.7	1814.3	1771.7	1729.0	1718.4	1646.2	1550.0	1501.9	1467.0	1397.1	1344.7
152.5°	1727.0	1759.2	1727.0	1694.8	1686.8	1625.1	1543.0	1501.9	1470.3	1407.3	1360.0
155°	1675.6	1696.9	1675.6	1654.3	1649.0	1600.0	1534.6	1501.9	1477.8	1429.8	1393.7
157.5°	1635.0	1650.0	1635.0	1620.0	1616.3	1578.1	1527.3	1501.9	1485.3	1452.2	1427.3
160°	1610.6	1619.3	1610.6	1602.1	1599.9	1567.2	1523.7	1501.9	1488.8	1462.4	1442.7
162.5°	1594.9	1603.0	1594.9	1586.7	1584.6	1557.0	1520.2	1501.9	1492.3	1473.3	1459.0
165°	1571.9	1580.6	1571.9	1563.3	1561.1	1541.4	1515.1	1501.9	1497.5	1489.0	1482.5
167.5°	1555.4	1559.1	1555.4	1551.8	1550.9	1538.0	1520.7	1512.1	1508.5	1501.2	1495.8
170°	1550.9	1550.9	1550.9	1550.9	1550.9	1538.0	1520.7	1512.1	1511.9	1511.4	1511.1
172.5°	1538.8	1535.6	1538.8	1542.0	1542.8	1532.5	1518.9	1512.1	1512.1	1512.1	1512.1
175°	1531.6	1531.6	1531.6	1531.6	1531.6	1525.0	1516.5	1512.1	1514.2	1518.2	1521.3
177.5°	1524.9	1521.3	1524.9	1528.6	1529.5	1524.4	1517.6	1514.2	1515.8	1518.9	1521.3
180°	1521.3	1521.3	1521.3	1521.3	1521.3	1521.3	1521.3	1521.3	1521.3	1521.3	1521.3



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2754.0	2754.0	2754.0	2754.0	2754.0	2754.0	2754.0	2754.0	2754.0	2754.0	2754.0
2.5°	2793.0	2777.5	2777.5	2751.4	2741.0	2733.2	2720.1	2681.0	2670.6	2660.2	2675.8
5°	2816.5	2787.8	2767.0	2720.1	2681.0	2665.4	2615.9	2522.1	2459.6	2412.6	2386.6
7.5°	2821.7	2785.3	2746.2	2673.2	2579.4	2537.8	2386.6	2214.7	2167.7	2126.1	2100.0
10°	2816.5	2774.8	2720.1	2610.7	2389.2	2316.3	2165.2	2053.1	2024.5	2016.7	2024.5
12.5°	2798.3	2759.2	2683.6	2501.3	2191.2	2141.7	2053.1	1988.0	1982.7	1995.8	2066.2
15°	2767.0	2730.5	2642.0	2355.4	2081.7	2045.3	1982.7	1959.3	1988.0	2079.2	2290.2
17.5°	2735.8	2694.0	2584.6	2212.1	1998.4	1972.4	1928.0	1975.0	2136.5	2258.9	2329.3
20°	2694.0	2644.6	2519.5	2107.9	1938.5	1915.0	1894.2	2105.2	2227.7	2271.9	2311.1
22.5°	2644.6	2592.5	2430.9	2034.9	1876.0	1857.7	1870.7	2178.2	2227.7	2258.9	2292.8
25°	2579.4	2535.1	2326.7	1977.5	1826.5	1805.6	1855.1	2170.4	2199.0	2206.9	2274.6
27.5°	2519.5	2462.1	2217.2	1925.5	1766.5	1758.7	1868.2	2136.5	2157.4	2165.2	2238.1
30°	2446.6	2360.6	2094.8	1870.7	1704.0	1701.3	1870.7	2094.8	2089.6	2110.4	2183.4
32.5°	2371.0	2209.4	1956.7	1803.0	1644.1	1641.5	1852.5	2032.2	2027.0	2055.7	2110.4
35°	2300.6	2092.2	1769.1	1724.8	1568.5	1571.1	1808.2	1959.3	1961.9	1988.0	2021.9
37.5°	2227.7	1990.5	1563.3	1638.8	1495.6	1495.6	1748.3	1891.5	1886.4	1894.2	1941.0
40°	2141.7	1831.7	1380.9	1526.8	1427.8	1419.9	1675.3	1818.6	1800.3	1797.8	1862.9
42.5°	2050.5	1657.1	1245.4	1378.3	1349.6	1339.2	1586.8	1730.0	1696.1	1704.0	1787.3
45°	1951.5	1610.1	1141.2	1164.7	1268.9	1261.1	1490.3	1628.4	1605.0	1625.8	1711.8
47.5°	1852.5	1516.4	1107.4	966.7	1182.9	1180.2	1383.6	1529.4	1516.4	1537.3	1628.4
50°	1717.0	1412.1	1104.7	828.5	1086.5	1096.9	1255.9	1433.1	1433.1	1451.3	1547.6
52.5°	1542.4	1284.5	1003.2	750.3	974.5	1005.7	1143.8	1349.6	1354.9	1373.1	1459.1
55°	1383.6	1151.6	930.2	690.5	841.6	909.3	1034.4	1263.7	1274.1	1292.4	1370.4
57.5°	1237.6	958.8	914.5	620.1	719.1	784.3	938.0	1180.2	1185.5	1201.1	1276.7
60°	1081.2	693.1	839.0	544.6	612.3	661.8	849.3	1081.2	1099.5	1109.9	1175.1
62.5°	904.1	502.9	760.8	492.4	560.1	570.6	776.5	987.5	1010.9	1018.7	1057.8
65°	643.6	422.1	646.1	448.1	505.4	508.1	698.3	891.0	912.0	925.0	953.6
67.5°	435.1	343.9	492.4	406.4	463.8	466.4	622.8	779.0	807.7	818.1	836.3
70°	302.2	229.2	364.7	362.2	416.9	422.1	541.9	677.4	703.5	711.3	721.8
72.5°	221.5	185.0	302.2	325.7	367.4	372.6	458.6	562.8	588.8	596.6	601.9
75°	169.4	195.4	244.9	284.0	312.7	315.2	375.2	458.6	476.8	482.1	484.6
77.5°	135.5	182.4	179.7	229.2	255.4	250.1	294.4	354.4	369.9	369.9	369.9
80°	101.7	143.3	135.5	164.2	187.6	182.4	211.0	252.7	257.9	263.2	260.5
82.5°	75.5	91.2	91.2	104.2	125.0	119.9	140.7	164.2	164.2	164.2	169.4
85°	46.9	52.1	41.7	54.7	70.3	67.7	78.2	88.5	91.2	91.2	86.0
87.5°	28.7	23.5	13.0	20.8	31.3	31.3	36.5	39.0	36.5	36.5	36.5
90°	26.5	18.4	10.3	18.4	26.5	28.6	45.0	66.8	77.6	68.9	51.7
92.5°	179.7	110.2	40.8	110.2	179.7	197.1	277.1	383.7	437.0	383.0	275.0
95°	352.2	225.1	98.0	225.1	352.2	383.9	681.7	1078.8	1277.3	1139.8	864.8
97.5°	393.7	281.6	169.5	281.6	393.7	421.7	918.3	1580.4	1911.4	1824.5	1650.7
100°	427.9	326.3	224.6	326.3	427.9	453.4	1004.3	1739.0	2106.4	2112.7	2125.4
102.5°	461.3	366.4	271.5	366.4	461.3	485.0	1043.9	1789.0	2161.5	2272.2	2493.7
105°	511.8	431.6	351.2	431.6	511.8	531.9	1073.1	1794.6	2155.4	2403.6	2900.0
107.5°	582.6	507.8	433.0	507.8	582.6	601.4	1078.5	1714.8	2032.8	2379.1	3071.6
110°	623.3	555.7	488.1	555.7	623.3	640.2	1070.4	1644.0	1930.8	2317.9	3092.0



TEST NUMBER: P935693

CATALOG NUMBER: SQ4-FA-125U-100D-B2750-1D-UNV-STD-W-8-3000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	671.1	606.6	542.2	606.6	671.1	687.1	1070.7	1582.1	1837.8	2234.0	3026.2
115°	742.7	683.3	623.8	683.3	742.7	757.5	1080.6	1511.2	1726.6	2108.2	2871.4
117.5°	812.5	758.5	704.5	758.5	812.5	826.0	1100.7	1466.9	1650.0	1994.4	2683.2
120°	853.1	802.3	751.4	802.3	853.1	865.8	1116.9	1451.9	1619.3	1934.0	2563.4
122.5°	899.9	848.7	797.4	848.7	899.9	912.7	1140.4	1444.0	1595.8	1879.2	2446.1
125°	961.4	914.6	867.9	914.6	961.4	973.0	1172.1	1437.6	1570.3	1811.1	2292.5
127.5°	1019.4	972.3	925.1	972.3	1019.4	1031.3	1203.8	1433.8	1548.9	1755.6	2169.0
130°	1057.3	1006.5	955.6	1006.5	1057.3	1070.0	1226.9	1436.1	1540.7	1724.7	2092.8
132.5°	1088.9	1038.2	987.3	1038.2	1088.9	1101.7	1245.6	1437.6	1533.5	1698.3	2027.7
135°	1126.9	1080.6	1034.3	1080.6	1126.9	1138.4	1266.0	1436.2	1521.3	1659.2	1935.1
137.5°	1173.9	1128.1	1082.2	1128.1	1173.9	1185.4	1296.7	1445.1	1519.2	1635.9	1869.2
140°	1206.5	1164.3	1122.1	1164.3	1206.5	1217.0	1315.4	1446.6	1512.1	1612.9	1814.3
142.5°	1230.7	1191.8	1152.7	1191.8	1230.7	1240.5	1331.0	1451.8	1512.1	1600.6	1777.6
145°	1267.8	1233.7	1199.7	1233.7	1267.8	1276.3	1351.5	1451.8	1501.9	1574.2	1719.1
147.5°	1313.0	1279.8	1246.7	1279.8	1313.0	1321.2	1381.5	1461.7	1501.9	1558.9	1672.7
150°	1337.2	1307.2	1277.3	1307.2	1337.2	1344.7	1397.1	1467.0	1501.9	1550.0	1646.2
152.5°	1354.3	1331.6	1308.9	1331.6	1354.3	1360.0	1407.3	1470.3	1501.9	1543.0	1625.1
155°	1389.5	1372.7	1355.9	1372.7	1389.5	1393.7	1429.8	1477.8	1501.9	1534.6	1600.0
157.5°	1423.3	1406.9	1390.7	1406.9	1423.3	1427.3	1452.2	1485.3	1501.9	1527.3	1578.1
160°	1439.6	1426.8	1414.1	1426.8	1439.6	1442.7	1462.4	1488.8	1501.9	1523.7	1567.2
162.5°	1456.6	1447.1	1437.6	1447.1	1456.6	1459.0	1473.3	1492.3	1501.9	1520.2	1557.0
165°	1480.4	1471.8	1463.1	1471.8	1480.4	1482.5	1489.0	1497.5	1501.9	1515.1	1541.4
167.5°	1494.8	1490.6	1486.6	1490.6	1494.8	1495.8	1501.2	1508.5	1512.1	1520.7	1538.0
170°	1510.2	1506.0	1501.9	1506.0	1510.2	1511.1	1511.4	1511.9	1512.1	1520.7	1538.0
172.5°	1511.9	1510.9	1510.1	1510.9	1511.9	1512.1	1512.1	1512.1	1512.1	1518.9	1532.5
175°	1521.3	1521.3	1521.3	1521.3	1521.3	1521.3	1518.2	1514.2	1512.1	1516.5	1525.0
177.5°	1521.3	1521.3	1521.3	1521.3	1521.3	1521.3	1518.9	1515.8	1514.2	1517.6	1524.4
180°	1521.3	1521.3	1521.3	1521.3	1521.3	1521.3	1521.3	1521.3	1521.3	1521.3	1521.3



TEST NUMBER: P935693

CATALOG NUMBER: SQ4-FA-125U-100D-B2750-1D-UNV-STD-W-8-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2754.0	2754.0	2754.0	2754.0	2754.0	2754.0	2754.0	2754.0	2754.0	2754.0	2754.0
2.5°	2657.6	2649.8	2660.2	2631.5	2660.2	2649.8	2657.6	2675.8	2660.2	2670.6	2681.0
5°	2331.9	2318.9	2277.2	2243.3	2277.2	2318.9	2331.9	2386.6	2412.6	2459.6	2522.1
7.5°	2084.4	2074.0	2063.5	2042.7	2063.5	2074.0	2084.4	2100.0	2126.1	2167.7	2214.7
10°	2029.7	2032.2	2047.9	2045.3	2047.9	2032.2	2029.7	2024.5	2016.7	2024.5	2053.1
12.5°	2170.4	2193.8	2279.8	2274.6	2279.8	2193.8	2170.4	2066.2	1995.8	1982.7	1988.0
15°	2331.9	2339.7	2357.9	2360.6	2357.9	2339.7	2331.9	2290.2	2079.2	1988.0	1959.3
17.5°	2347.6	2350.1	2363.1	2363.1	2363.1	2350.1	2347.6	2329.3	2258.9	2136.5	1975.0
20°	2334.6	2339.7	2365.8	2371.0	2365.8	2339.7	2334.6	2311.1	2271.9	2227.7	2105.2
22.5°	2329.3	2339.7	2360.6	2357.9	2360.6	2339.7	2329.3	2292.8	2258.9	2227.7	2178.2
25°	2303.2	2303.2	2305.9	2308.4	2305.9	2303.2	2303.2	2274.6	2206.9	2199.0	2170.4
27.5°	2248.6	2253.7	2269.4	2266.8	2269.4	2253.7	2248.6	2238.1	2165.2	2157.4	2136.5
30°	2199.0	2193.8	2180.7	2170.4	2180.7	2193.8	2199.0	2183.4	2110.4	2089.6	2094.8
32.5°	2115.7	2102.6	2089.6	2081.7	2089.6	2102.6	2115.7	2110.4	2055.7	2027.0	2032.2
35°	2016.7	2019.2	2016.7	2008.8	2016.7	2019.2	2016.7	2021.9	1988.0	1961.9	1959.3
37.5°	1946.3	1951.5	1948.9	1938.5	1948.9	1951.5	1946.3	1941.0	1894.2	1886.4	1891.5
40°	1873.3	1876.0	1873.3	1865.5	1873.3	1876.0	1873.3	1862.9	1797.8	1800.3	1818.6
42.5°	1803.0	1800.3	1792.5	1787.3	1792.5	1800.3	1803.0	1787.3	1704.0	1696.1	1730.0
45°	1722.2	1724.8	1709.2	1701.3	1709.2	1724.8	1722.2	1711.8	1625.8	1605.0	1628.4
47.5°	1641.5	1641.5	1628.4	1620.6	1628.4	1641.5	1641.5	1628.4	1537.3	1516.4	1529.4
50°	1555.5	1552.9	1534.6	1532.0	1534.6	1552.9	1555.5	1547.6	1451.3	1433.1	1433.1
52.5°	1456.4	1456.4	1459.1	1464.3	1459.1	1456.4	1456.4	1459.1	1373.1	1354.9	1349.6
55°	1370.4	1373.1	1391.3	1396.6	1391.3	1373.1	1370.4	1370.4	1292.4	1274.1	1263.7
57.5°	1281.9	1281.9	1294.9	1294.9	1294.9	1281.9	1281.9	1276.7	1201.1	1185.5	1180.2
60°	1180.2	1185.5	1195.9	1193.4	1195.9	1185.5	1180.2	1175.1	1109.9	1099.5	1081.2
62.5°	1073.5	1078.7	1081.2	1076.0	1081.2	1078.7	1073.5	1057.8	1018.7	1010.9	987.5
65°	961.4	966.7	969.2	964.0	969.2	966.7	961.4	953.6	925.0	912.0	891.0
67.5°	846.8	844.2	841.6	852.0	841.6	844.2	846.8	836.3	818.1	807.7	779.0
70°	729.5	729.5	726.9	732.1	726.9	729.5	729.5	721.8	711.3	703.5	677.4
72.5°	604.5	601.9	612.3	604.5	612.3	601.9	604.5	601.9	596.6	588.8	562.8
75°	482.1	487.2	482.1	489.8	482.1	487.2	482.1	484.6	482.1	476.8	458.6
77.5°	367.4	372.6	367.4	367.4	367.4	372.6	367.4	369.9	369.9	369.9	354.4
80°	260.5	257.9	257.9	255.4	257.9	257.9	260.5	260.5	263.2	257.9	252.7
82.5°	166.7	164.2	164.2	169.4	164.2	164.2	166.7	169.4	164.2	164.2	164.2
85°	91.2	93.8	88.5	88.5	88.5	93.8	91.2	86.0	91.2	91.2	88.5
87.5°	33.9	31.3	31.3	31.3	31.3	31.3	33.9	36.5	36.5	36.5	39.0
90°	38.7	38.7	38.7	38.7	38.7	38.7	38.7	51.7	68.9	77.6	66.8
92.5°	193.9	186.3	155.4	124.5	155.4	186.3	193.9	275.0	383.0	437.0	383.7
95°	658.5	635.2	541.7	448.2	541.7	635.2	658.5	864.8	1139.8	1277.3	1078.8
97.5°	1520.3	1475.8	1298.0	1120.1	1298.0	1475.8	1520.3	1650.7	1824.5	1911.4	1580.4
100°	2135.0	2082.0	1870.0	1658.2	1870.0	2082.0	2135.0	2125.4	2112.7	2106.4	1739.0
102.5°	2659.7	2614.4	2432.9	2251.3	2432.9	2614.4	2659.7	2493.7	2272.2	2161.5	1789.0
105°	3272.3	3248.0	3150.4	3052.9	3150.4	3248.0	3272.3	2900.0	2403.6	2155.4	1794.6
107.5°	3590.9	3596.8	3620.4	3644.0	3620.4	3596.8	3590.9	3071.6	2379.1	2032.8	1714.8
110°	3672.6	3698.0	3799.6	3901.3	3799.6	3698.0	3672.6	3092.0	2317.9	1930.8	1644.0



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3620.5	3659.5	3815.6	3971.7	3815.6	3659.5	3620.5	3026.2	2234.0	1837.8	1582.1
115°	3443.9	3498.0	3714.5	3930.9	3714.5	3498.0	3443.9	2871.4	2108.2	1726.6	1511.2
117.5°	3199.9	3259.9	3499.9	3740.0	3499.9	3259.9	3199.9	2683.2	1994.4	1650.0	1466.9
120°	3035.5	3093.8	3327.1	3560.2	3327.1	3093.8	3035.5	2563.4	1934.0	1619.3	1451.9
122.5°	2871.1	2928.6	3158.7	3388.8	3158.7	2928.6	2871.1	2446.1	1879.2	1595.8	1444.0
125°	2653.6	2706.6	2918.6	3130.5	2918.6	2706.6	2653.6	2292.5	1811.1	1570.3	1437.6
127.5°	2479.0	2523.7	2702.5	2881.3	2702.5	2523.7	2479.0	2169.0	1755.6	1548.9	1433.8
130°	2368.8	2410.1	2575.2	2740.4	2575.2	2410.1	2368.8	2092.8	1724.7	1540.7	1436.1
132.5°	2274.8	2311.8	2459.8	2607.7	2459.8	2311.8	2274.8	2027.7	1698.3	1533.5	1437.6
135°	2142.1	2173.9	2301.5	2429.0	2301.5	2173.9	2142.1	1935.1	1659.2	1521.3	1436.2
137.5°	2044.1	2070.2	2174.5	2278.9	2174.5	2070.2	2044.1	1869.2	1635.9	1519.2	1445.1
140°	1965.5	1989.8	2087.5	2185.0	2087.5	1989.8	1965.5	1814.3	1612.9	1512.1	1446.6
142.5°	1910.3	1931.3	2015.2	2099.2	2015.2	1931.3	1910.3	1777.6	1600.6	1512.1	1451.8
145°	1827.6	1843.5	1907.0	1970.5	1907.0	1843.5	1827.6	1719.1	1574.2	1501.9	1451.8
147.5°	1758.2	1771.3	1824.0	1876.7	1824.0	1771.3	1758.2	1672.7	1558.9	1501.9	1461.7
150°	1718.4	1729.0	1771.7	1814.3	1771.7	1729.0	1718.4	1646.2	1550.0	1501.9	1467.0
152.5°	1686.8	1694.8	1727.0	1759.2	1727.0	1694.8	1686.8	1625.1	1543.0	1501.9	1470.3
155°	1649.0	1654.3	1675.6	1696.9	1675.6	1654.3	1649.0	1600.0	1534.6	1501.9	1477.8
157.5°	1616.3	1620.0	1635.0	1650.0	1635.0	1620.0	1616.3	1578.1	1527.3	1501.9	1485.3
160°	1599.9	1602.1	1610.6	1619.3	1610.6	1602.1	1599.9	1567.2	1523.7	1501.9	1488.8
162.5°	1584.6	1586.7	1594.9	1603.0	1594.9	1586.7	1584.6	1557.0	1520.2	1501.9	1492.3
165°	1561.1	1563.3	1571.9	1580.6	1571.9	1563.3	1561.1	1541.4	1515.1	1501.9	1497.5
167.5°	1550.9	1551.8	1555.4	1559.1	1555.4	1551.8	1550.9	1538.0	1520.7	1512.1	1508.5
170°	1550.9	1550.9	1550.9	1550.9	1550.9	1550.9	1550.9	1538.0	1520.7	1512.1	1511.9
172.5°	1542.8	1542.0	1538.8	1535.6	1538.8	1542.0	1542.8	1532.5	1518.9	1512.1	1512.1
175°	1531.6	1531.6	1531.6	1531.6	1531.6	1531.6	1531.6	1525.0	1516.5	1512.1	1514.2
177.5°	1529.5	1528.6	1524.9	1521.3	1524.9	1528.6	1529.5	1524.4	1517.6	1514.2	1515.8
180°	1521.3	1521.3	1521.3	1521.3	1521.3	1521.3	1521.3	1521.3	1521.3	1521.3	1521.3



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	2754.0	2754.0	2754.0	2754.0	2754.0
2.5°	2720.1	2733.2	2741.0	2751.4	2777.5
5°	2615.9	2665.4	2681.0	2720.1	2767.0
7.5°	2386.6	2537.8	2579.4	2673.2	2746.2
10°	2165.2	2316.3	2389.2	2610.7	2720.1
12.5°	2053.1	2141.7	2191.2	2501.3	2683.6
15°	1982.7	2045.3	2081.7	2355.4	2642.0
17.5°	1928.0	1972.4	1998.4	2212.1	2584.6
20°	1894.2	1915.0	1938.5	2107.9	2519.5
22.5°	1870.7	1857.7	1876.0	2034.9	2430.9
25°	1855.1	1805.6	1826.5	1977.5	2326.7
27.5°	1868.2	1758.7	1766.5	1925.5	2217.2
30°	1870.7	1701.3	1704.0	1870.7	2094.8
32.5°	1852.5	1641.5	1644.1	1803.0	1956.7
35°	1808.2	1571.1	1568.5	1724.8	1769.1
37.5°	1748.3	1495.6	1495.6	1638.8	1563.3
40°	1675.3	1419.9	1427.8	1526.8	1380.9
42.5°	1586.8	1339.2	1349.6	1378.3	1245.4
45°	1490.3	1261.1	1268.9	1164.7	1141.2
47.5°	1383.6	1180.2	1182.9	966.7	1107.4
50°	1255.9	1096.9	1086.5	828.5	1104.7
52.5°	1143.8	1005.7	974.5	750.3	1003.2
55°	1034.4	909.3	841.6	690.5	930.2
57.5°	938.0	784.3	719.1	620.1	914.5
60°	849.3	661.8	612.3	544.6	839.0
62.5°	776.5	570.6	560.1	492.4	760.8
65°	698.3	508.1	505.4	448.1	646.1
67.5°	622.8	466.4	463.8	406.4	492.4
70°	541.9	422.1	416.9	362.2	364.7
72.5°	458.6	372.6	367.4	325.7	302.2
75°	375.2	315.2	312.7	284.0	244.9
77.5°	294.4	250.1	255.4	229.2	179.7
80°	211.0	182.4	187.6	164.2	135.5
82.5°	140.7	119.9	125.0	104.2	91.2
85°	78.2	67.7	70.3	54.7	41.7
87.5°	36.5	31.3	31.3	20.8	13.0
90°	45.0	28.6	26.5	18.4	10.3
92.5°	277.1	197.1	179.7	110.2	40.8
95°	681.7	383.9	352.2	225.1	98.0
97.5°	918.3	421.7	393.7	281.6	169.5
100°	1004.3	453.4	427.9	326.3	224.6
102.5°	1043.9	485.0	461.3	366.4	271.5
105°	1073.1	531.9	511.8	431.6	351.2
107.5°	1078.5	601.4	582.6	507.8	433.0
110°	1070.4	640.2	623.3	555.7	488.1



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CATALOG NUMBER: SQ4-FA-125U-100D-B2750-1D-UNV-STD-W-8-3000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1070.7	687.1	671.1	606.6	542.2
115°	1080.6	757.5	742.7	683.3	623.8
117.5°	1100.7	826.0	812.5	758.5	704.5
120°	1116.9	865.8	853.1	802.3	751.4
122.5°	1140.4	912.7	899.9	848.7	797.4
125°	1172.1	973.0	961.4	914.6	867.9
127.5°	1203.8	1031.3	1019.4	972.3	925.1
130°	1226.9	1070.0	1057.3	1006.5	955.6
132.5°	1245.6	1101.7	1088.9	1038.2	987.3
135°	1266.0	1138.4	1126.9	1080.6	1034.3
137.5°	1296.7	1185.4	1173.9	1128.1	1082.2
140°	1315.4	1217.0	1206.5	1164.3	1122.1
142.5°	1331.0	1240.5	1230.7	1191.8	1152.7
145°	1351.5	1276.3	1267.8	1233.7	1199.7
147.5°	1381.5	1321.2	1313.0	1279.8	1246.7
150°	1397.1	1344.7	1337.2	1307.2	1277.3
152.5°	1407.3	1360.0	1354.3	1331.6	1308.9
155°	1429.8	1393.7	1389.5	1372.7	1355.9
157.5°	1452.2	1427.3	1423.3	1406.9	1390.7
160°	1462.4	1442.7	1439.6	1426.8	1414.1
162.5°	1473.3	1459.0	1456.6	1447.1	1437.6
165°	1489.0	1482.5	1480.4	1471.8	1463.1
167.5°	1501.2	1495.8	1494.8	1490.6	1486.6
170°	1511.4	1511.1	1510.2	1506.0	1501.9
172.5°	1512.1	1512.1	1511.9	1510.9	1510.1
175°	1518.2	1521.3	1521.3	1521.3	1521.3
177.5°	1518.9	1521.3	1521.3	1521.3	1521.3
180°	1521.3	1521.3	1521.3	1521.3	1521.3



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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	12.87	13.67	13.90	14.70	16.08	15.71	16.50	16.73	17.54	18.92
	3H	13.34	14.06	14.38	15.10	16.50	17.05	17.76	18.09	18.80	20.21
	4H	13.53	14.21	14.58	15.25	16.66	17.50	18.17	18.54	19.21	20.62
	6H	13.65	14.27	14.70	15.31	16.73	17.78	18.40	18.83	19.45	20.87
	8H	13.65	14.24	14.71	15.30	16.72	17.85	18.44	18.91	19.51	20.92
	12H	13.62	14.18	14.68	15.23	16.67	17.89	18.45	18.96	19.51	20.95
4H	2H	13.90	14.57	14.95	15.62	17.02	16.11	16.78	17.16	17.83	19.24
	3H	14.92	15.48	15.98	16.55	17.97	17.61	18.17	18.67	19.24	20.67
	4H	15.19	15.71	16.26	16.77	18.21	18.14	18.65	19.21	19.72	21.16
	6H	15.31	15.76	16.39	16.84	18.28	18.50	18.95	19.58	20.03	21.47
	8H	15.32	15.73	16.39	16.81	18.26	18.61	19.02	19.69	20.10	21.55
	12H	15.28	15.66	16.38	16.75	18.20	18.66	19.04	19.76	20.13	21.59
8H	4H	15.64	16.05	16.72	17.13	18.59	18.26	18.67	19.33	19.75	21.20
	6H	15.90	16.24	17.00	17.36	18.81	18.69	19.04	19.79	20.15	21.60
	8H	15.94	16.24	17.05	17.34	18.81	18.85	19.15	19.95	20.25	21.72
	12H	15.92	16.19	17.03	17.28	18.79	18.94	19.21	20.05	20.30	21.81
12H	4H	15.65	16.02	16.74	17.11	18.57	18.22	18.59	19.31	19.68	21.14
	6H	15.96	16.26	17.07	17.36	18.83	18.69	18.99	19.80	20.09	21.56
	8H	16.03	16.29	17.13	17.39	18.89	18.85	19.11	19.96	20.21	21.72