

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: P935616

Luminaire Tested: SQ4-FA-125U-100D-835-1D-UNV-STD-W-8

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935616
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-835-1D-UNV-STD-W-8
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

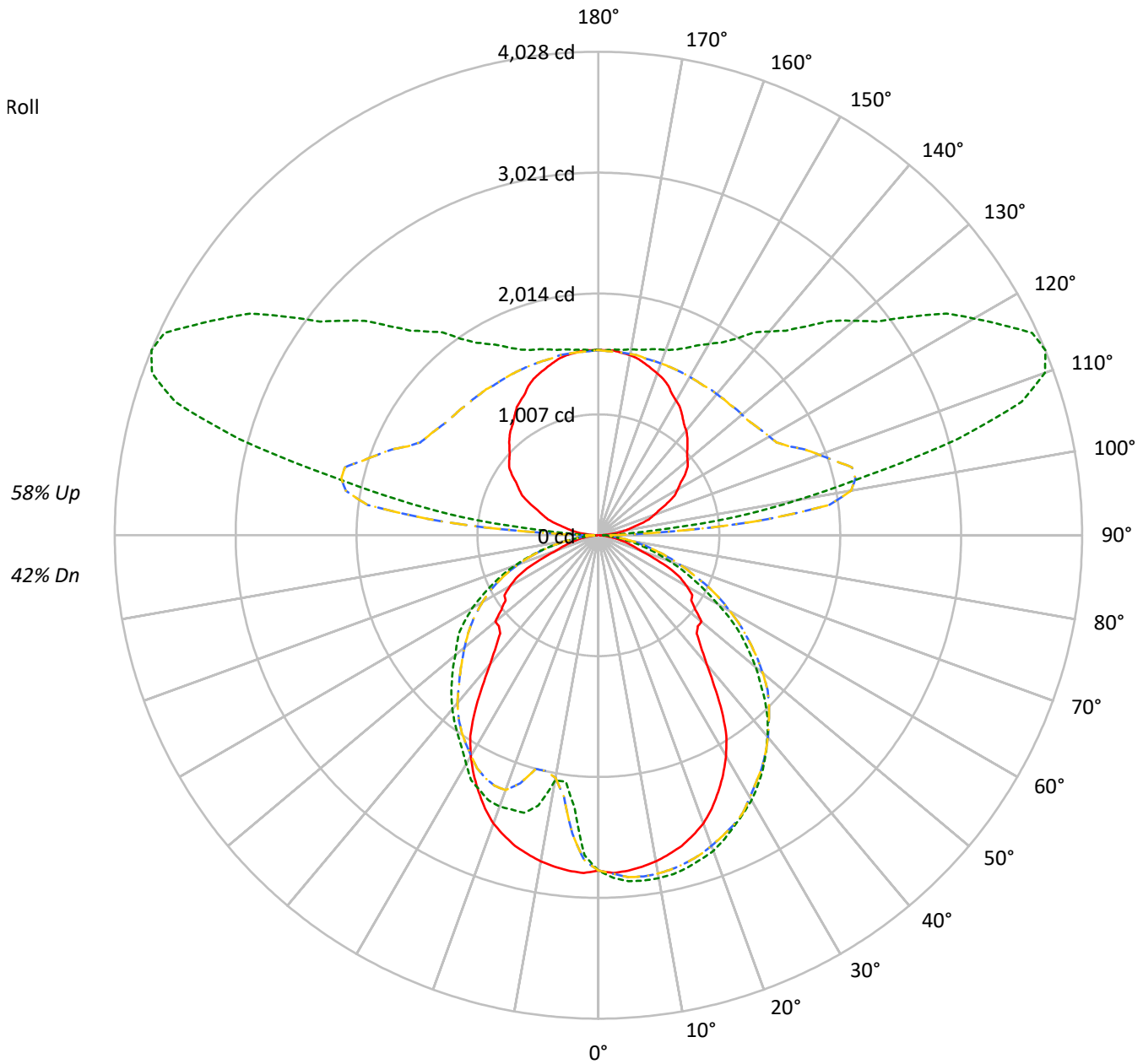
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17250.0 lumens
Efficiency: N/A
Efficacy: 133.9 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				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°	12959	12959	12959	12959
5°	13056	13081	13056	10286
10°	12968	12886	12968	9212
15°	12827	12607	12827	10527
20°	12559	12276	12559	10549
25°	12010	11794	12010	10325
30°	11300	11393	11300	9835
35°	10074	10887	10074	9295
40°	8394	10290	8394	8888
45°	7500	9592	7500	8419
50°	7968	8760	7968	7949
55°	7497	7863	7497	7677
60°	7728	6678	7728	7031
65°	7006	5520	7006	6170
70°	4851	4400	4851	5172
75°	4254	3252	4254	3894
80°	3428	2150	3428	2341
85°	1970	1139	1970	967

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 11496 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	252.1	1.5
10°-20°	715.9	4.1
20°-30°	1106.6	6.4
30°-40°	1321.0	7.7
40°-50°	1328.8	7.7
50°-60°	1156.2	6.7
60°-70°	819.8	4.8
70°-80°	433.7	2.5
80°-90°	113.9	0.7
90°-100°	752.1	4.4
100°-110°	1977.3	11.5
110°-120°	2050.2	11.9
120°-130°	1644.5	9.5
130°-140°	1290.4	7.5
140°-150°	990.4	5.7
150°-160°	713.3	4.1
160°-170°	436.4	2.5
170°-180°	147.4	0.9
0°-30°	2074.6	12.0
0°-40°	3395.6	19.7
0°-60°	5880.5	34.1
0°-90°	7247.9	42.0
90°-120°	4779.7	27.7
90°-150°	8705.0	50.5
90°-180°	10002.0	58.0
0°-180°	17250.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2793	2793	2793	2793	2793	
5°	2806	2894	2806	2275	2806	266
15°	2680	2867	2680	2394	2680	754
25°	2360	2674	2360	2341	2360	1083
35°	1794	2386	1794	2037	1794	1110
45°	1157	1966	1157	1726	1157	927
55°	943	1451	943	1416	943	867
65°	655	875	655	978	655	626
75°	248	415	248	497	248	261
85°	42	106	42	90	42	57
90°	10	39	10	39	10	10
95°	99	455	99	455	99	110
105°	356	3096	356	3096	356	378
115°	633	3987	633	3987	633	625
125°	880	3175	880	3175	880	781
135°	1049	2464	1049	2464	1049	812
145°	1217	1998	1217	1998	1217	762
155°	1375	1721	1375	1721	1375	632
165°	1484	1603	1484	1603	1484	419
175°	1543	1553	1543	1553	1543	146
180°	1543	1543	1543	1543	1543	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2793.1	2793.1	2793.1	2793.1	2793.1	2793.1	2793.1	2793.1	2793.1	2793.1	2793.1
2.5°	2816.9	2816.9	2832.7	2838.0	2838.0	2830.1	2822.2	2830.1	2853.9	2861.8	2859.2
5°	2806.3	2827.4	2856.5	2861.8	2867.1	2864.4	2859.2	2864.4	2890.9	2896.2	2898.8
7.5°	2785.2	2824.8	2861.8	2869.7	2877.7	2869.7	2867.1	2872.4	2898.8	2904.1	2904.1
10°	2758.7	2814.2	2856.5	2861.8	2869.7	2861.8	2861.8	2872.4	2898.8	2904.1	2906.7
12.5°	2721.7	2798.4	2838.0	2843.3	2853.9	2851.2	2848.6	2859.2	2885.6	2890.9	2890.9
15°	2679.5	2769.3	2806.3	2811.6	2830.1	2824.8	2824.8	2835.4	2864.4	2872.4	2869.7
17.5°	2621.3	2732.3	2774.6	2782.5	2795.7	2793.1	2795.7	2806.3	2832.7	2838.0	2840.7
20°	2555.3	2682.1	2732.3	2740.2	2753.5	2753.5	2753.5	2766.7	2793.1	2803.7	2803.7
22.5°	2465.4	2629.3	2682.1	2687.4	2703.2	2703.2	2708.5	2727.0	2750.8	2753.5	2753.5
25°	2359.7	2571.1	2616.0	2631.9	2647.8	2655.7	2663.6	2674.2	2682.1	2679.5	2682.1
27.5°	2248.7	2497.1	2555.3	2565.8	2587.0	2594.9	2605.5	2608.1	2610.8	2618.7	2613.4
30°	2124.5	2394.1	2481.3	2491.9	2526.2	2531.5	2520.9	2526.2	2539.4	2544.7	2550.0
32.5°	1984.5	2240.8	2404.7	2428.4	2460.1	2444.3	2441.6	2449.6	2470.7	2470.7	2476.0
35°	1794.2	2121.9	2333.3	2354.4	2378.2	2359.7	2370.3	2372.9	2386.2	2394.1	2391.4
37.5°	1585.5	2018.8	2259.3	2275.2	2293.7	2269.9	2285.7	2293.7	2304.2	2299.0	2299.0
40°	1400.5	1857.7	2172.1	2182.7	2198.5	2180.0	2195.9	2201.2	2206.5	2201.2	2198.5
42.5°	1263.1	1680.6	2079.6	2092.8	2082.3	2095.5	2100.8	2111.3	2103.4	2092.8	2092.8
45°	1157.4	1633.0	1979.2	1995.1	1979.2	2000.4	2008.3	2008.3	1984.5	1979.2	1976.6
47.5°	1123.1	1537.9	1878.8	1878.8	1870.9	1897.3	1910.5	1892.0	1868.2	1860.3	1860.3
50°	1120.4	1432.2	1741.4	1730.8	1767.8	1799.5	1786.3	1767.8	1749.3	1720.2	1720.2
52.5°	1017.4	1302.7	1564.3	1604.0	1662.1	1680.6	1659.5	1641.0	1609.3	1596.1	1585.5
55°	943.4	1168.0	1403.2	1482.4	1543.2	1567.0	1527.3	1508.9	1461.3	1453.4	1448.1
57.5°	927.5	972.4	1255.2	1355.6	1429.6	1426.9	1403.2	1368.8	1329.2	1321.2	1318.6
60°	850.9	702.9	1096.6	1215.5	1292.2	1284.2	1263.1	1231.4	1194.4	1189.1	1183.8
62.5°	771.6	510.0	916.9	1051.7	1160.0	1157.4	1138.9	1091.3	1064.9	1051.7	1041.1
65°	655.3	428.1	652.7	874.7	1030.6	1035.8	996.2	961.9	932.8	916.9	914.3
67.5°	499.4	348.8	441.3	729.3	906.4	901.1	850.9	835.0	798.0	790.1	774.2
70°	369.9	232.5	306.5	591.9	784.8	771.6	732.0	713.5	679.1	660.6	650.0
72.5°	306.5	187.6	224.6	459.8	660.6	644.8	610.4	589.3	560.2	544.3	533.8
75°	248.4	198.2	171.8	340.9	536.4	525.9	494.1	473.0	449.2	428.1	430.7
77.5°	182.3	185.0	137.4	251.0	425.4	409.6	391.1	364.7	354.1	333.0	333.0
80°	137.4	145.3	103.1	171.8	306.5	306.5	290.7	272.2	253.7	243.1	243.1
82.5°	92.5	92.5	76.6	108.3	208.8	200.8	190.3	185.0	174.4	169.1	169.1
85°	42.3	52.8	47.6	66.1	113.6	118.9	118.9	113.6	111.0	105.7	108.3
87.5°	13.2	23.8	29.1	37.0	58.1	60.8	63.4	63.4	63.4	66.1	66.1
90°	10.4	18.7	26.9	29.0	45.6	67.7	78.7	69.9	52.4	39.3	39.3
92.5°	41.4	111.8	182.3	199.9	281.0	389.1	443.2	388.4	278.9	196.7	188.9
95°	99.4	228.3	357.2	389.4	691.4	1094.1	1295.4	1156.0	877.1	667.9	644.2
97.5°	171.9	285.6	399.3	427.7	931.3	1602.8	1938.5	1850.4	1674.1	1541.9	1496.8
100°	227.8	330.9	434.0	459.8	1018.6	1763.7	2136.3	2142.7	2155.6	2165.3	2111.6
102.5°	275.4	371.6	467.8	491.9	1058.7	1814.4	2192.2	2304.5	2529.1	2697.5	2651.5
105°	356.2	437.7	519.1	539.5	1088.3	1820.1	2186.0	2437.7	2941.2	3318.8	3294.1
107.5°	439.1	515.0	590.9	609.9	1093.8	1739.1	2061.7	2412.9	3115.2	3641.9	3647.9
110°	495.0	563.6	632.2	649.3	1085.6	1667.3	1958.2	2350.8	3135.9	3724.7	3750.5



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	549.9	615.2	680.6	696.9	1085.9	1604.6	1863.9	2265.7	3069.2	3671.9	3711.5
115°	632.7	693.0	753.2	768.3	1095.9	1532.7	1751.1	2138.1	2912.2	3492.8	3547.7
117.5°	714.5	769.3	824.0	837.7	1116.3	1487.7	1673.4	2022.7	2721.3	3245.3	3306.2
120°	762.1	813.7	865.2	878.1	1132.8	1472.5	1642.3	1961.5	2599.8	3078.6	3137.7
122.5°	808.7	860.7	912.7	925.7	1156.6	1464.5	1618.5	1905.9	2480.8	2911.9	2970.2
125°	880.2	927.6	975.0	986.8	1188.7	1458.0	1592.6	1836.8	2325.1	2691.3	2745.0
127.5°	938.2	986.1	1033.9	1045.9	1220.9	1454.2	1570.9	1780.5	2199.8	2514.2	2559.5
130°	969.2	1020.8	1072.3	1085.2	1244.3	1456.5	1562.6	1749.2	2122.5	2402.4	2444.3
132.5°	1001.3	1052.9	1104.4	1117.3	1263.3	1458.0	1555.3	1722.4	2056.5	2307.1	2344.6
135°	1049.0	1095.9	1142.9	1154.6	1284.0	1456.6	1542.9	1682.8	1962.6	2172.5	2204.8
137.5°	1097.6	1144.1	1190.6	1202.2	1315.1	1465.6	1540.8	1659.1	1895.7	2073.1	2099.6
140°	1138.0	1180.8	1223.6	1234.3	1334.1	1467.1	1533.6	1635.8	1840.1	1993.4	2018.1
142.5°	1169.1	1208.7	1248.2	1258.1	1349.9	1472.4	1533.6	1623.3	1802.8	1937.4	1958.7
145°	1216.7	1251.2	1285.8	1294.4	1370.7	1472.4	1523.2	1596.6	1743.5	1853.6	1869.7
147.5°	1264.4	1298.0	1331.6	1340.0	1401.1	1482.5	1523.2	1581.0	1696.5	1783.2	1796.5
150°	1295.4	1325.8	1356.2	1363.8	1416.9	1487.8	1523.2	1572.0	1669.6	1742.8	1753.6
152.5°	1327.5	1350.5	1373.5	1379.3	1427.3	1491.2	1523.2	1564.9	1648.2	1710.7	1718.9
155°	1375.2	1392.2	1409.2	1413.5	1450.1	1498.8	1523.2	1556.4	1622.7	1672.4	1677.8
157.5°	1410.4	1426.9	1443.5	1447.6	1472.8	1506.4	1523.2	1549.0	1600.5	1639.2	1643.0
160°	1434.2	1447.1	1460.0	1463.2	1483.2	1509.9	1523.2	1545.3	1589.5	1622.6	1624.8
162.5°	1458.0	1467.6	1477.3	1479.7	1494.2	1513.5	1523.2	1541.8	1579.1	1607.1	1609.2
165°	1483.9	1492.7	1501.4	1503.6	1510.1	1518.8	1523.2	1536.6	1563.3	1583.3	1585.5
167.5°	1507.7	1511.8	1516.0	1517.0	1522.5	1529.9	1533.6	1542.3	1559.8	1572.9	1573.8
170°	1523.2	1527.4	1531.6	1532.6	1532.9	1533.4	1533.6	1542.3	1559.8	1572.9	1572.9
172.5°	1531.5	1532.4	1533.4	1533.6	1533.6	1533.6	1533.6	1540.5	1554.3	1564.7	1563.9
175°	1542.9	1542.9	1542.9	1542.9	1539.8	1535.7	1533.6	1538.0	1546.7	1553.3	1553.3
177.5°	1542.9	1542.9	1542.9	1542.9	1540.5	1537.3	1535.7	1539.1	1546.0	1551.2	1550.3
180°	1542.9	1542.9	1542.9	1542.9	1542.9	1542.9	1542.9	1542.9	1542.9	1542.9	1542.9



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2793.1	2793.1	2793.1	2793.1	2793.1	2793.1	2793.1	2793.1	2793.1	2793.1	2793.1
2.5°	2864.4	2856.5	2864.4	2859.2	2861.8	2853.9	2830.1	2822.2	2830.1	2838.0	2838.0
5°	2898.8	2893.5	2898.8	2898.8	2896.2	2890.9	2864.4	2859.2	2864.4	2867.1	2861.8
7.5°	2909.4	2901.4	2909.4	2904.1	2904.1	2898.8	2872.4	2867.1	2869.7	2877.7	2869.7
10°	2909.4	2901.4	2909.4	2906.7	2904.1	2898.8	2872.4	2861.8	2861.8	2869.7	2861.8
12.5°	2896.2	2890.9	2896.2	2890.9	2890.9	2885.6	2859.2	2848.6	2851.2	2853.9	2843.3
15°	2875.0	2867.1	2875.0	2869.7	2872.4	2864.4	2835.4	2824.8	2824.8	2830.1	2811.6
17.5°	2843.3	2832.7	2843.3	2840.7	2838.0	2832.7	2806.3	2795.7	2793.1	2795.7	2782.5
20°	2806.3	2798.4	2806.3	2803.7	2803.7	2793.1	2766.7	2753.5	2753.5	2753.5	2740.2
22.5°	2748.2	2740.2	2748.2	2753.5	2753.5	2750.8	2727.0	2708.5	2703.2	2703.2	2687.4
25°	2682.1	2674.2	2682.1	2682.1	2679.5	2682.1	2674.2	2663.6	2655.7	2647.8	2631.9
27.5°	2618.7	2613.4	2618.7	2613.4	2618.7	2610.8	2608.1	2605.5	2594.9	2587.0	2565.8
30°	2555.3	2550.0	2555.3	2550.0	2544.7	2539.4	2526.2	2520.9	2531.5	2526.2	2491.9
32.5°	2476.0	2470.7	2476.0	2476.0	2470.7	2470.7	2449.6	2441.6	2444.3	2460.1	2428.4
35°	2394.1	2386.2	2394.1	2391.4	2394.1	2386.2	2372.9	2370.3	2359.7	2378.2	2354.4
37.5°	2299.0	2291.0	2299.0	2299.0	2299.0	2304.2	2293.7	2285.7	2269.9	2293.7	2275.2
40°	2201.2	2190.6	2201.2	2198.5	2201.2	2206.5	2201.2	2195.9	2180.0	2198.5	2182.7
42.5°	2090.2	2087.6	2090.2	2092.8	2092.8	2103.4	2111.3	2100.8	2095.5	2082.3	2092.8
45°	1971.3	1966.0	1971.3	1976.6	1979.2	1984.5	2008.3	2008.3	2000.4	1979.2	1995.1
47.5°	1844.4	1831.2	1844.4	1860.3	1860.3	1868.2	1892.0	1910.5	1897.3	1870.9	1878.8
50°	1709.7	1712.3	1709.7	1720.2	1720.2	1749.3	1767.8	1786.3	1799.5	1767.8	1730.8
52.5°	1577.6	1574.9	1577.6	1585.5	1596.1	1609.3	1641.0	1659.5	1680.6	1662.1	1604.0
55°	1445.4	1450.7	1445.4	1448.1	1453.4	1461.3	1508.9	1527.3	1567.0	1543.2	1482.4
57.5°	1313.3	1305.4	1313.3	1318.6	1321.2	1329.2	1368.8	1403.2	1426.9	1429.6	1355.6
60°	1160.0	1149.5	1160.0	1183.8	1189.1	1194.4	1231.4	1263.1	1284.2	1292.2	1215.5
62.5°	1025.3	1006.8	1025.3	1041.1	1051.7	1064.9	1091.3	1138.9	1157.4	1160.0	1051.7
65°	882.6	874.7	882.6	914.3	916.9	932.8	961.9	996.2	1035.8	1030.6	874.7
67.5°	753.1	753.1	753.1	774.2	790.1	798.0	835.0	850.9	901.1	906.4	729.3
70°	634.2	631.6	634.2	650.0	660.6	679.1	713.5	732.0	771.6	784.8	591.9
72.5°	520.6	517.9	520.6	533.8	544.3	560.2	589.3	610.4	644.8	660.6	459.8
75°	420.2	414.9	420.2	430.7	428.1	449.2	473.0	494.1	525.9	536.4	340.9
77.5°	322.4	322.4	322.4	333.0	333.0	354.1	364.7	391.1	409.6	425.4	251.0
80°	240.5	237.8	240.5	243.1	243.1	253.7	272.2	290.7	306.5	306.5	171.8
82.5°	169.1	163.8	169.1	169.1	169.1	174.4	185.0	190.3	200.8	208.8	108.3
85°	105.7	105.7	105.7	108.3	105.7	111.0	113.6	118.9	118.9	113.6	66.1
87.5°	68.7	66.1	68.7	66.1	66.1	63.4	63.4	63.4	60.8	58.1	37.0
90°	39.3	39.3	39.3	39.3	39.3	52.4	69.9	78.7	67.7	45.6	29.0
92.5°	157.6	126.3	157.6	188.9	196.7	278.9	388.4	443.2	389.1	281.0	199.9
95°	549.4	454.6	549.4	644.2	667.9	877.1	1156.0	1295.4	1094.1	691.4	389.4
97.5°	1316.4	1136.0	1316.4	1496.8	1541.9	1674.1	1850.4	1938.5	1602.8	931.3	427.7
100°	1896.6	1681.7	1896.6	2111.6	2165.3	2155.6	2142.7	2136.3	1763.7	1018.6	459.8
102.5°	2467.4	2283.3	2467.4	2651.5	2697.5	2529.1	2304.5	2192.2	1814.4	1058.7	491.9
105°	3195.1	3096.2	3195.1	3294.1	3318.8	2941.2	2437.7	2186.0	1820.1	1088.3	539.5
107.5°	3671.8	3695.7	3671.8	3647.9	3641.9	3115.2	2412.9	2061.7	1739.1	1093.8	609.9
110°	3853.6	3956.7	3853.6	3750.5	3724.7	3135.9	2350.8	1958.2	1667.3	1085.6	649.3



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3869.8	4028.1	3869.8	3711.5	3671.9	3069.2	2265.7	1863.9	1604.6	1085.9	696.9
115°	3767.2	3986.7	3767.2	3547.7	3492.8	2912.2	2138.1	1751.1	1532.7	1095.9	768.3
117.5°	3549.6	3793.1	3549.6	3306.2	3245.3	2721.3	2022.7	1673.4	1487.7	1116.3	837.7
120°	3374.3	3610.8	3374.3	3137.7	3078.6	2599.8	1961.5	1642.3	1472.5	1132.8	878.1
122.5°	3203.6	3436.9	3203.6	2970.2	2911.9	2480.8	1905.9	1618.5	1464.5	1156.6	925.7
125°	2960.0	3174.9	2960.0	2745.0	2691.3	2325.1	1836.8	1592.6	1458.0	1188.7	986.8
127.5°	2740.9	2922.2	2740.9	2559.5	2514.2	2199.8	1780.5	1570.9	1454.2	1220.9	1045.9
130°	2611.8	2779.3	2611.8	2444.3	2402.4	2122.5	1749.2	1562.6	1456.5	1244.3	1085.2
132.5°	2494.7	2644.7	2494.7	2344.6	2307.1	2056.5	1722.4	1555.3	1458.0	1263.3	1117.3
135°	2334.2	2463.5	2334.2	2204.8	2172.5	1962.6	1682.8	1542.9	1456.6	1284.0	1154.6
137.5°	2205.4	2311.3	2205.4	2099.6	2073.1	1895.7	1659.1	1540.8	1465.6	1315.1	1202.2
140°	2117.1	2216.0	2117.1	2018.1	1993.4	1840.1	1635.8	1533.6	1467.1	1334.1	1234.3
142.5°	2043.8	2129.0	2043.8	1958.7	1937.4	1802.8	1623.3	1533.6	1472.4	1349.9	1258.1
145°	1934.1	1998.5	1934.1	1869.7	1853.6	1743.5	1596.6	1523.2	1472.4	1370.7	1294.4
147.5°	1849.9	1903.3	1849.9	1796.5	1783.2	1696.5	1581.0	1523.2	1482.5	1401.1	1340.0
150°	1796.9	1840.1	1796.9	1753.6	1742.8	1669.6	1572.0	1523.2	1487.8	1416.9	1363.8
152.5°	1751.5	1784.2	1751.5	1718.9	1710.7	1648.2	1564.9	1523.2	1491.2	1427.3	1379.3
155°	1699.4	1721.0	1699.4	1677.8	1672.4	1622.7	1556.4	1523.2	1498.8	1450.1	1413.5
157.5°	1658.2	1673.4	1658.2	1643.0	1639.2	1600.5	1549.0	1523.2	1506.4	1472.8	1447.6
160°	1633.5	1642.3	1633.5	1624.8	1622.6	1589.5	1545.3	1523.2	1509.9	1483.2	1463.2
162.5°	1617.5	1625.8	1617.5	1609.2	1607.1	1579.1	1541.8	1523.2	1513.5	1494.2	1479.7
165°	1594.2	1603.0	1594.2	1585.5	1583.3	1563.3	1536.6	1523.2	1518.8	1510.1	1503.6
167.5°	1577.5	1581.2	1577.5	1573.8	1572.9	1559.8	1542.3	1533.6	1529.9	1522.5	1517.0
170°	1572.9	1572.9	1572.9	1572.9	1572.9	1559.8	1542.3	1533.6	1533.4	1532.9	1532.6
172.5°	1560.6	1557.4	1560.6	1563.9	1564.7	1554.3	1540.5	1533.6	1533.6	1533.6	1533.6
175°	1553.3	1553.3	1553.3	1553.3	1553.3	1546.7	1538.0	1533.6	1535.7	1539.8	1542.9
177.5°	1546.6	1542.9	1546.6	1550.3	1551.2	1546.0	1539.1	1535.7	1537.3	1540.5	1542.9
180°	1542.9	1542.9	1542.9	1542.9	1542.9	1542.9	1542.9	1542.9	1542.9	1542.9	1542.9



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2793.1	2793.1	2793.1	2793.1	2793.1	2793.1	2793.1	2793.1	2793.1	2793.1	2793.1
2.5°	2832.7	2816.9	2816.9	2790.5	2779.9	2772.0	2758.7	2719.1	2708.5	2698.0	2713.8
5°	2856.5	2827.4	2806.3	2758.7	2719.1	2703.2	2653.0	2557.9	2494.5	2446.9	2420.5
7.5°	2861.8	2824.8	2785.2	2711.2	2616.0	2573.8	2420.5	2246.1	2198.5	2156.3	2129.8
10°	2856.5	2814.2	2758.7	2647.8	2423.1	2349.2	2195.9	2082.3	2053.2	2045.3	2053.2
12.5°	2838.0	2798.4	2721.7	2536.8	2222.3	2172.1	2082.3	2016.2	2010.9	2024.1	2095.5
15°	2806.3	2769.3	2679.5	2388.8	2111.3	2074.3	2010.9	1987.1	2016.2	2108.7	2322.7
17.5°	2774.6	2732.3	2621.3	2243.5	2026.8	2000.4	1955.4	2003.0	2166.8	2291.0	2362.4
20°	2732.3	2682.1	2555.3	2137.8	1966.0	1942.2	1921.1	2135.1	2259.3	2304.2	2343.9
22.5°	2682.1	2629.3	2465.4	2063.8	1902.6	1884.1	1897.3	2209.1	2259.3	2291.0	2325.4
25°	2616.0	2571.1	2359.7	2005.6	1852.4	1831.2	1881.4	2201.2	2230.2	2238.2	2306.9
27.5°	2555.3	2497.1	2248.7	1952.8	1791.6	1783.7	1894.7	2166.8	2188.0	2195.9	2269.9
30°	2481.3	2394.1	2124.5	1897.3	1728.2	1725.5	1897.3	2124.5	2119.3	2140.4	2214.4
32.5°	2404.7	2240.8	1984.5	1828.6	1667.4	1664.8	1878.8	2061.1	2055.8	2084.9	2140.4
35°	2333.3	2121.9	1794.2	1749.3	1590.8	1593.4	1833.9	1987.1	1989.8	2016.2	2050.6
37.5°	2259.3	2018.8	1585.5	1662.1	1516.8	1516.8	1773.1	1918.4	1913.2	1921.1	1968.6
40°	2172.1	1857.7	1400.5	1548.5	1448.1	1440.1	1699.1	1844.4	1825.9	1823.3	1889.4
42.5°	2079.6	1680.6	1263.1	1397.9	1368.8	1358.2	1609.3	1754.6	1720.2	1728.2	1812.7
45°	1979.2	1633.0	1157.4	1181.2	1286.9	1279.0	1511.5	1651.5	1627.8	1648.9	1736.1
47.5°	1878.8	1537.9	1123.1	980.4	1199.7	1197.0	1403.2	1551.1	1537.9	1559.1	1651.5
50°	1741.4	1432.2	1120.4	840.3	1101.9	1112.5	1273.7	1453.4	1453.4	1471.9	1569.6
52.5°	1564.3	1302.7	1017.4	761.0	988.3	1020.0	1160.0	1368.8	1374.1	1392.6	1479.8
55°	1403.2	1168.0	943.4	700.3	853.5	922.2	1049.1	1281.6	1292.2	1310.7	1389.9
57.5°	1255.2	972.4	927.5	628.9	729.3	795.4	951.3	1197.0	1202.3	1218.2	1294.8
60°	1096.6	702.9	850.9	552.3	621.0	671.2	861.4	1096.6	1115.1	1125.7	1191.8
62.5°	916.9	510.0	771.6	499.4	568.1	578.7	787.5	1001.5	1025.3	1033.2	1072.8
65°	652.7	428.1	655.3	454.5	512.6	515.3	708.2	903.7	924.9	938.1	967.1
67.5°	441.3	348.8	499.4	412.2	470.4	473.0	631.6	790.1	819.2	829.7	848.2
70°	306.5	232.5	369.9	367.3	422.8	428.1	549.6	687.0	713.5	721.4	732.0
72.5°	224.6	187.6	306.5	330.3	372.6	377.9	465.1	570.8	597.2	605.1	610.4
75°	171.8	198.2	248.4	288.0	317.1	319.7	380.5	465.1	483.6	488.9	491.5
77.5°	137.4	185.0	182.3	232.5	259.0	253.7	298.6	359.4	375.2	375.2	375.2
80°	103.1	145.3	137.4	166.5	190.3	185.0	214.0	256.3	261.6	266.9	264.2
82.5°	76.6	92.5	92.5	105.7	126.8	121.6	142.7	166.5	166.5	166.5	171.8
85°	47.6	52.8	42.3	55.5	71.3	68.7	79.3	89.8	92.5	92.5	87.2
87.5°	29.1	23.8	13.2	21.1	31.7	31.7	37.0	39.6	37.0	37.0	37.0
90°	26.9	18.7	10.4	18.7	26.9	29.0	45.6	67.7	78.7	69.9	52.4
92.5°	182.3	111.8	41.4	111.8	182.3	199.9	281.0	389.1	443.2	388.4	278.9
95°	357.2	228.3	99.4	228.3	357.2	389.4	691.4	1094.1	1295.4	1156.0	877.1
97.5°	399.3	285.6	171.9	285.6	399.3	427.7	931.3	1602.8	1938.5	1850.4	1674.1
100°	434.0	330.9	227.8	330.9	434.0	459.8	1018.6	1763.7	2136.3	2142.7	2155.6
102.5°	467.8	371.6	275.4	371.6	467.8	491.9	1058.7	1814.4	2192.2	2304.5	2529.1
105°	519.1	437.7	356.2	437.7	519.1	539.5	1088.3	1820.1	2186.0	2437.7	2941.2
107.5°	590.9	515.0	439.1	515.0	590.9	609.9	1093.8	1739.1	2061.7	2412.9	3115.2
110°	632.2	563.6	495.0	563.6	632.2	649.3	1085.6	1667.3	1958.2	2350.8	3135.9



TEST NUMBER: P935616

CATALOG NUMBER: SQ4-FA-125U-100D-835-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	680.6	615.2	549.9	615.2	680.6	696.9	1085.9	1604.6	1863.9	2265.7	3069.2
115°	753.2	693.0	632.7	693.0	753.2	768.3	1095.9	1532.7	1751.1	2138.1	2912.2
117.5°	824.0	769.3	714.5	769.3	824.0	837.7	1116.3	1487.7	1673.4	2022.7	2721.3
120°	865.2	813.7	762.1	813.7	865.2	878.1	1132.8	1472.5	1642.3	1961.5	2599.8
122.5°	912.7	860.7	808.7	860.7	912.7	925.7	1156.6	1464.5	1618.5	1905.9	2480.8
125°	975.0	927.6	880.2	927.6	975.0	986.8	1188.7	1458.0	1592.6	1836.8	2325.1
127.5°	1033.9	986.1	938.2	986.1	1033.9	1045.9	1220.9	1454.2	1570.9	1780.5	2199.8
130°	1072.3	1020.8	969.2	1020.8	1072.3	1085.2	1244.3	1456.5	1562.6	1749.2	2122.5
132.5°	1104.4	1052.9	1001.3	1052.9	1104.4	1117.3	1263.3	1458.0	1555.3	1722.4	2056.5
135°	1142.9	1095.9	1049.0	1095.9	1142.9	1154.6	1284.0	1456.6	1542.9	1682.8	1962.6
137.5°	1190.6	1144.1	1097.6	1144.1	1190.6	1202.2	1315.1	1465.6	1540.8	1659.1	1895.7
140°	1223.6	1180.8	1138.0	1180.8	1223.6	1234.3	1334.1	1467.1	1533.6	1635.8	1840.1
142.5°	1248.2	1208.7	1169.1	1208.7	1248.2	1258.1	1349.9	1472.4	1533.6	1623.3	1802.8
145°	1285.8	1251.2	1216.7	1251.2	1285.8	1294.4	1370.7	1472.4	1523.2	1596.6	1743.5
147.5°	1331.6	1298.0	1264.4	1298.0	1331.6	1340.0	1401.1	1482.5	1523.2	1581.0	1696.5
150°	1356.2	1325.8	1295.4	1325.8	1356.2	1363.8	1416.9	1487.8	1523.2	1572.0	1669.6
152.5°	1373.5	1350.5	1327.5	1350.5	1373.5	1379.3	1427.3	1491.2	1523.2	1564.9	1648.2
155°	1409.2	1392.2	1375.2	1392.2	1409.2	1413.5	1450.1	1498.8	1523.2	1556.4	1622.7
157.5°	1443.5	1426.9	1410.4	1426.9	1443.5	1447.6	1472.8	1506.4	1523.2	1549.0	1600.5
160°	1460.0	1447.1	1434.2	1447.1	1460.0	1463.2	1483.2	1509.9	1523.2	1545.3	1589.5
162.5°	1477.3	1467.6	1458.0	1467.6	1477.3	1479.7	1494.2	1513.5	1523.2	1541.8	1579.1
165°	1501.4	1492.7	1483.9	1492.7	1501.4	1503.6	1510.1	1518.8	1523.2	1536.6	1563.3
167.5°	1516.0	1511.8	1507.7	1511.8	1516.0	1517.0	1522.5	1529.9	1533.6	1542.3	1559.8
170°	1531.6	1527.4	1523.2	1527.4	1531.6	1532.6	1532.9	1533.4	1533.6	1542.3	1559.8
172.5°	1533.4	1532.4	1531.5	1532.4	1533.4	1533.6	1533.6	1533.6	1533.6	1540.5	1554.3
175°	1542.9	1542.9	1542.9	1542.9	1542.9	1542.9	1539.8	1535.7	1533.6	1538.0	1546.7
177.5°	1542.9	1542.9	1542.9	1542.9	1542.9	1542.9	1540.5	1537.3	1535.7	1539.1	1546.0
180°	1542.9	1542.9	1542.9	1542.9	1542.9	1542.9	1542.9	1542.9	1542.9	1542.9	1542.9



TEST NUMBER: P935616
 CATALOG NUMBER: SQ4-FA-125U-100D-835-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2793.1	2793.1	2793.1	2793.1	2793.1	2793.1	2793.1	2793.1	2793.1	2793.1	2793.1
2.5°	2695.3	2687.4	2698.0	2668.9	2698.0	2687.4	2695.3	2713.8	2698.0	2708.5	2719.1
5°	2365.0	2351.8	2309.5	2275.2	2309.5	2351.8	2365.0	2420.5	2446.9	2494.5	2557.9
7.5°	2114.0	2103.4	2092.8	2071.7	2092.8	2103.4	2114.0	2129.8	2156.3	2198.5	2246.1
10°	2058.5	2061.1	2077.0	2074.3	2077.0	2061.1	2058.5	2053.2	2045.3	2053.2	2082.3
12.5°	2201.2	2225.0	2312.2	2306.9	2312.2	2225.0	2201.2	2095.5	2024.1	2010.9	2016.2
15°	2365.0	2372.9	2391.4	2394.1	2391.4	2372.9	2365.0	2322.7	2108.7	2016.2	1987.1
17.5°	2380.9	2383.5	2396.7	2396.7	2396.7	2383.5	2380.9	2362.4	2291.0	2166.8	2003.0
20°	2367.7	2372.9	2399.4	2404.7	2399.4	2372.9	2367.7	2343.9	2304.2	2259.3	2135.1
22.5°	2362.4	2372.9	2394.1	2391.4	2394.1	2372.9	2362.4	2325.4	2291.0	2259.3	2209.1
25°	2335.9	2335.9	2338.6	2341.2	2338.6	2335.9	2335.9	2306.9	2238.2	2230.2	2201.2
27.5°	2280.5	2285.7	2301.6	2299.0	2301.6	2285.7	2280.5	2269.9	2195.9	2188.0	2166.8
30°	2230.2	2225.0	2211.7	2201.2	2211.7	2225.0	2230.2	2214.4	2140.4	2119.3	2124.5
32.5°	2145.7	2132.5	2119.3	2111.3	2119.3	2132.5	2145.7	2140.4	2084.9	2055.8	2061.1
35°	2045.3	2047.9	2045.3	2037.3	2045.3	2047.9	2045.3	2050.6	2016.2	1989.8	1987.1
37.5°	1973.9	1979.2	1976.6	1966.0	1976.6	1979.2	1973.9	1968.6	1921.1	1913.2	1918.4
40°	1899.9	1902.6	1899.9	1892.0	1899.9	1902.6	1899.9	1889.4	1823.3	1825.9	1844.4
42.5°	1828.6	1825.9	1818.0	1812.7	1818.0	1825.9	1828.6	1812.7	1728.2	1720.2	1754.6
45°	1746.7	1749.3	1733.5	1725.5	1733.5	1749.3	1746.7	1736.1	1648.9	1627.8	1651.5
47.5°	1664.8	1664.8	1651.5	1643.6	1651.5	1664.8	1664.8	1651.5	1559.1	1537.9	1551.1
50°	1577.6	1574.9	1556.4	1553.8	1556.4	1574.9	1577.6	1569.6	1471.9	1453.4	1453.4
52.5°	1477.1	1477.1	1479.8	1485.1	1479.8	1477.1	1477.1	1479.8	1392.6	1374.1	1368.8
55°	1389.9	1392.6	1411.1	1416.4	1411.1	1392.6	1389.9	1389.9	1310.7	1292.2	1281.6
57.5°	1300.1	1300.1	1313.3	1313.3	1313.3	1300.1	1300.1	1294.8	1218.2	1202.3	1197.0
60°	1197.0	1202.3	1212.9	1210.3	1212.9	1202.3	1197.0	1191.8	1125.7	1115.1	1096.6
62.5°	1088.7	1094.0	1096.6	1091.3	1096.6	1094.0	1088.7	1072.8	1033.2	1025.3	1001.5
65°	975.1	980.4	983.0	977.7	983.0	980.4	975.1	967.1	938.1	924.9	903.7
67.5°	858.8	856.2	853.5	864.1	853.5	856.2	858.8	848.2	829.7	819.2	790.1
70°	739.9	739.9	737.2	742.5	737.2	739.9	739.9	732.0	721.4	713.5	687.0
72.5°	613.1	610.4	621.0	613.1	621.0	610.4	613.1	610.4	605.1	597.2	570.8
75°	488.9	494.1	488.9	496.8	488.9	494.1	488.9	491.5	488.9	483.6	465.1
77.5°	372.6	377.9	372.6	372.6	372.6	377.9	372.6	375.2	375.2	375.2	359.4
80°	264.2	261.6	261.6	259.0	261.6	261.6	264.2	264.2	266.9	261.6	256.3
82.5°	169.1	166.5	166.5	171.8	166.5	166.5	169.1	171.8	166.5	166.5	166.5
85°	92.5	95.1	89.8	89.8	89.8	95.1	92.5	87.2	92.5	92.5	89.8
87.5°	34.4	31.7	31.7	31.7	31.7	31.7	34.4	37.0	37.0	37.0	39.6
90°	39.3	39.3	39.3	39.3	39.3	39.3	39.3	52.4	69.9	78.7	67.7
92.5°	196.7	188.9	157.6	126.3	157.6	188.9	196.7	278.9	388.4	443.2	389.1
95°	667.9	644.2	549.4	454.6	549.4	644.2	667.9	877.1	1156.0	1295.4	1094.1
97.5°	1541.9	1496.8	1316.4	1136.0	1316.4	1496.8	1541.9	1674.1	1850.4	1938.5	1602.8
100°	2165.3	2111.6	1896.6	1681.7	1896.6	2111.6	2165.3	2155.6	2142.7	2136.3	1763.7
102.5°	2697.5	2651.5	2467.4	2283.3	2467.4	2651.5	2697.5	2529.1	2304.5	2192.2	1814.4
105°	3318.8	3294.1	3195.1	3096.2	3195.1	3294.1	3318.8	2941.2	2437.7	2186.0	1820.1
107.5°	3641.9	3647.9	3671.8	3695.7	3671.8	3647.9	3641.9	3115.2	2412.9	2061.7	1739.1
110°	3724.7	3750.5	3853.6	3956.7	3853.6	3750.5	3724.7	3135.9	2350.8	1958.2	1667.3



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3671.9	3711.5	3869.8	4028.1	3869.8	3711.5	3671.9	3069.2	2265.7	1863.9	1604.6
115°	3492.8	3547.7	3767.2	3986.7	3767.2	3547.7	3492.8	2912.2	2138.1	1751.1	1532.7
117.5°	3245.3	3306.2	3549.6	3793.1	3549.6	3306.2	3245.3	2721.3	2022.7	1673.4	1487.7
120°	3078.6	3137.7	3374.3	3610.8	3374.3	3137.7	3078.6	2599.8	1961.5	1642.3	1472.5
122.5°	2911.9	2970.2	3203.6	3436.9	3203.6	2970.2	2911.9	2480.8	1905.9	1618.5	1464.5
125°	2691.3	2745.0	2960.0	3174.9	2960.0	2745.0	2691.3	2325.1	1836.8	1592.6	1458.0
127.5°	2514.2	2559.5	2740.9	2922.2	2740.9	2559.5	2514.2	2199.8	1780.5	1570.9	1454.2
130°	2402.4	2444.3	2611.8	2779.3	2611.8	2444.3	2402.4	2122.5	1749.2	1562.6	1456.5
132.5°	2307.1	2344.6	2494.7	2644.7	2494.7	2344.6	2307.1	2056.5	1722.4	1555.3	1458.0
135°	2172.5	2204.8	2334.2	2463.5	2334.2	2204.8	2172.5	1962.6	1682.8	1542.9	1456.6
137.5°	2073.1	2099.6	2205.4	2311.3	2205.4	2099.6	2073.1	1895.7	1659.1	1540.8	1465.6
140°	1993.4	2018.1	2117.1	2216.0	2117.1	2018.1	1993.4	1840.1	1635.8	1533.6	1467.1
142.5°	1937.4	1958.7	2043.8	2129.0	2043.8	1958.7	1937.4	1802.8	1623.3	1533.6	1472.4
145°	1853.6	1869.7	1934.1	1998.5	1934.1	1869.7	1853.6	1743.5	1596.6	1523.2	1472.4
147.5°	1783.2	1796.5	1849.9	1903.3	1849.9	1796.5	1783.2	1696.5	1581.0	1523.2	1482.5
150°	1742.8	1753.6	1796.9	1840.1	1796.9	1753.6	1742.8	1669.6	1572.0	1523.2	1487.8
152.5°	1710.7	1718.9	1751.5	1784.2	1751.5	1718.9	1710.7	1648.2	1564.9	1523.2	1491.2
155°	1672.4	1677.8	1699.4	1721.0	1699.4	1677.8	1672.4	1622.7	1556.4	1523.2	1498.8
157.5°	1639.2	1643.0	1658.2	1673.4	1658.2	1643.0	1639.2	1600.5	1549.0	1523.2	1506.4
160°	1622.6	1624.8	1633.5	1642.3	1633.5	1624.8	1622.6	1589.5	1545.3	1523.2	1509.9
162.5°	1607.1	1609.2	1617.5	1625.8	1617.5	1609.2	1607.1	1579.1	1541.8	1523.2	1513.5
165°	1583.3	1585.5	1594.2	1603.0	1594.2	1585.5	1583.3	1563.3	1536.6	1523.2	1518.8
167.5°	1572.9	1573.8	1577.5	1581.2	1577.5	1573.8	1572.9	1559.8	1542.3	1533.6	1529.9
170°	1572.9	1572.9	1572.9	1572.9	1572.9	1572.9	1572.9	1559.8	1542.3	1533.6	1533.4
172.5°	1564.7	1563.9	1560.6	1557.4	1560.6	1563.9	1564.7	1554.3	1540.5	1533.6	1533.6
175°	1553.3	1553.3	1553.3	1553.3	1553.3	1553.3	1553.3	1546.7	1538.0	1533.6	1535.7
177.5°	1551.2	1550.3	1546.6	1542.9	1546.6	1550.3	1551.2	1546.0	1539.1	1535.7	1537.3
180°	1542.9	1542.9	1542.9	1542.9	1542.9	1542.9	1542.9	1542.9	1542.9	1542.9	1542.9



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	2793.1	2793.1	2793.1	2793.1	2793.1
2.5°	2758.7	2772.0	2779.9	2790.5	2816.9
5°	2653.0	2703.2	2719.1	2758.7	2806.3
7.5°	2420.5	2573.8	2616.0	2711.2	2785.2
10°	2195.9	2349.2	2423.1	2647.8	2758.7
12.5°	2082.3	2172.1	2222.3	2536.8	2721.7
15°	2010.9	2074.3	2111.3	2388.8	2679.5
17.5°	1955.4	2000.4	2026.8	2243.5	2621.3
20°	1921.1	1942.2	1966.0	2137.8	2555.3
22.5°	1897.3	1884.1	1902.6	2063.8	2465.4
25°	1881.4	1831.2	1852.4	2005.6	2359.7
27.5°	1894.7	1783.7	1791.6	1952.8	2248.7
30°	1897.3	1725.5	1728.2	1897.3	2124.5
32.5°	1878.8	1664.8	1667.4	1828.6	1984.5
35°	1833.9	1593.4	1590.8	1749.3	1794.2
37.5°	1773.1	1516.8	1516.8	1662.1	1585.5
40°	1699.1	1440.1	1448.1	1548.5	1400.5
42.5°	1609.3	1358.2	1368.8	1397.9	1263.1
45°	1511.5	1279.0	1286.9	1181.2	1157.4
47.5°	1403.2	1197.0	1199.7	980.4	1123.1
50°	1273.7	1112.5	1101.9	840.3	1120.4
52.5°	1160.0	1020.0	988.3	761.0	1017.4
55°	1049.1	922.2	853.5	700.3	943.4
57.5°	951.3	795.4	729.3	628.9	927.5
60°	861.4	671.2	621.0	552.3	850.9
62.5°	787.5	578.7	568.1	499.4	771.6
65°	708.2	515.3	512.6	454.5	655.3
67.5°	631.6	473.0	470.4	412.2	499.4
70°	549.6	428.1	422.8	367.3	369.9
72.5°	465.1	377.9	372.6	330.3	306.5
75°	380.5	319.7	317.1	288.0	248.4
77.5°	298.6	253.7	259.0	232.5	182.3
80°	214.0	185.0	190.3	166.5	137.4
82.5°	142.7	121.6	126.8	105.7	92.5
85°	79.3	68.7	71.3	55.5	42.3
87.5°	37.0	31.7	31.7	21.1	13.2
90°	45.6	29.0	26.9	18.7	10.4
92.5°	281.0	199.9	182.3	111.8	41.4
95°	691.4	389.4	357.2	228.3	99.4
97.5°	931.3	427.7	399.3	285.6	171.9
100°	1018.6	459.8	434.0	330.9	227.8
102.5°	1058.7	491.9	467.8	371.6	275.4
105°	1088.3	539.5	519.1	437.7	356.2
107.5°	1093.8	609.9	590.9	515.0	439.1
110°	1085.6	649.3	632.2	563.6	495.0



TEST NUMBER: P935616

CATALOG NUMBER: SQ4-FA-125U-100D-835-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1085.9	696.9	680.6	615.2	549.9
115°	1095.9	768.3	753.2	693.0	632.7
117.5°	1116.3	837.7	824.0	769.3	714.5
120°	1132.8	878.1	865.2	813.7	762.1
122.5°	1156.6	925.7	912.7	860.7	808.7
125°	1188.7	986.8	975.0	927.6	880.2
127.5°	1220.9	1045.9	1033.9	986.1	938.2
130°	1244.3	1085.2	1072.3	1020.8	969.2
132.5°	1263.3	1117.3	1104.4	1052.9	1001.3
135°	1284.0	1154.6	1142.9	1095.9	1049.0
137.5°	1315.1	1202.2	1190.6	1144.1	1097.6
140°	1334.1	1234.3	1223.6	1180.8	1138.0
142.5°	1349.9	1258.1	1248.2	1208.7	1169.1
145°	1370.7	1294.4	1285.8	1251.2	1216.7
147.5°	1401.1	1340.0	1331.6	1298.0	1264.4
150°	1416.9	1363.8	1356.2	1325.8	1295.4
152.5°	1427.3	1379.3	1373.5	1350.5	1327.5
155°	1450.1	1413.5	1409.2	1392.2	1375.2
157.5°	1472.8	1447.6	1443.5	1426.9	1410.4
160°	1483.2	1463.2	1460.0	1447.1	1434.2
162.5°	1494.2	1479.7	1477.3	1467.6	1458.0
165°	1510.1	1503.6	1501.4	1492.7	1483.9
167.5°	1522.5	1517.0	1516.0	1511.8	1507.7
170°	1532.9	1532.6	1531.6	1527.4	1523.2
172.5°	1533.6	1533.6	1533.4	1532.4	1531.5
175°	1539.8	1542.9	1542.9	1542.9	1542.9
177.5°	1540.5	1542.9	1542.9	1542.9	1542.9
180°	1542.9	1542.9	1542.9	1542.9	1542.9



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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	12.92	13.72	13.94	14.75	16.13	15.76	16.55	16.78	17.58	18.97
	3H	13.39	14.10	14.43	15.14	16.55	17.10	17.81	18.14	18.85	20.25
	4H	13.58	14.26	14.63	15.30	16.71	17.55	18.22	18.59	19.26	20.67
	6H	13.70	14.32	14.75	15.36	16.78	17.83	18.45	18.88	19.50	20.92
	8H	13.70	14.29	14.76	15.35	16.76	17.90	18.49	18.96	19.55	20.97
	12H	13.67	14.23	14.73	15.28	16.72	17.94	18.50	19.00	19.56	21.00
4H	2H	13.95	14.62	15.00	15.66	17.07	16.16	16.83	17.21	17.88	19.28
	3H	14.97	15.53	16.03	16.60	18.02	17.66	18.22	18.72	19.29	20.71
	4H	15.24	15.76	16.31	16.82	18.26	18.19	18.70	19.26	19.76	21.21
	6H	15.36	15.81	16.44	16.89	18.33	18.55	18.99	19.63	20.08	21.52
	8H	15.37	15.78	16.44	16.86	18.31	18.66	19.07	19.73	20.15	21.60
	12H	15.33	15.70	16.42	16.79	18.25	18.71	19.09	19.81	20.18	21.64
8H	4H	15.69	16.10	16.77	17.18	18.63	18.31	18.72	19.38	19.80	21.25
	6H	15.95	16.29	17.05	17.41	18.86	18.74	19.08	19.84	20.20	21.65
	8H	15.99	16.29	17.10	17.39	18.86	18.90	19.19	20.00	20.30	21.77
	12H	15.97	16.24	17.08	17.33	18.84	18.99	19.26	20.10	20.35	21.86
12H	4H	15.69	16.07	16.79	17.16	18.62	18.27	18.64	19.36	19.73	21.19
	6H	16.01	16.31	17.12	17.41	18.88	18.74	19.04	19.85	20.14	21.61
	8H	16.07	16.34	17.18	17.43	18.94	18.90	19.16	20.01	20.26	21.77