

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: INVUE

Report Number: P180336

Luminaire Tested: **ICS-E03-LED-E1-RW-8030**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P180336  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33677)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: ICS-E03-LED-E1-RW-8030  
Description: ICON SITE SMALL LED LUMINAIRE  
(3) LIGHTBARS WITH AccuLED OPTICS - RECTANGULAR WIDE  
Light Source: (63) 3000K CCT, 80 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7119.2 lumens  
Efficiency: N/A  
Efficacy: 94.7 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 1' x H: 0.1')  
IES Classification: Type I - Short - Full Cutoff  
BUG Rating: B3 - U0 - G3

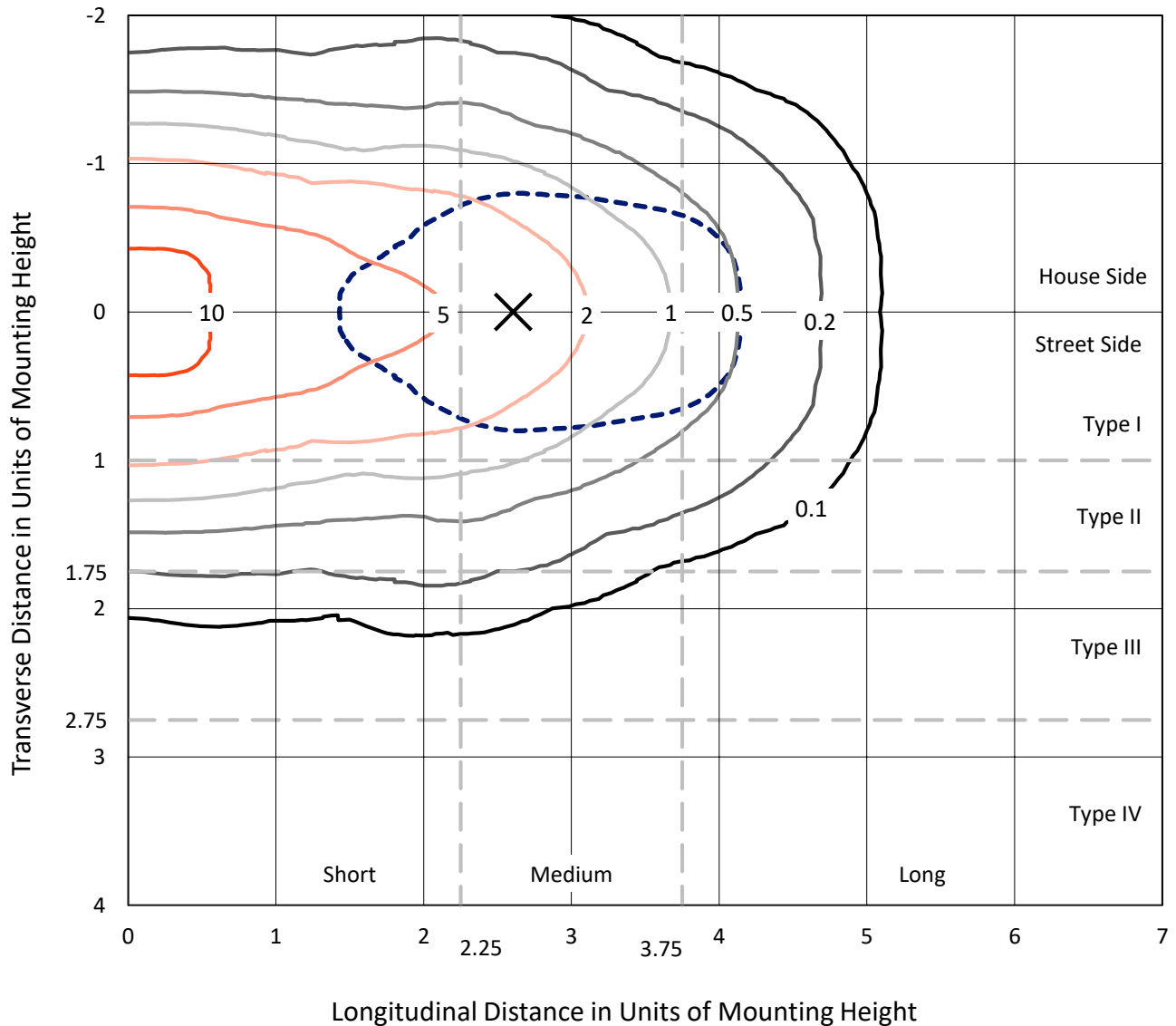
Input Watts (W): 75.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

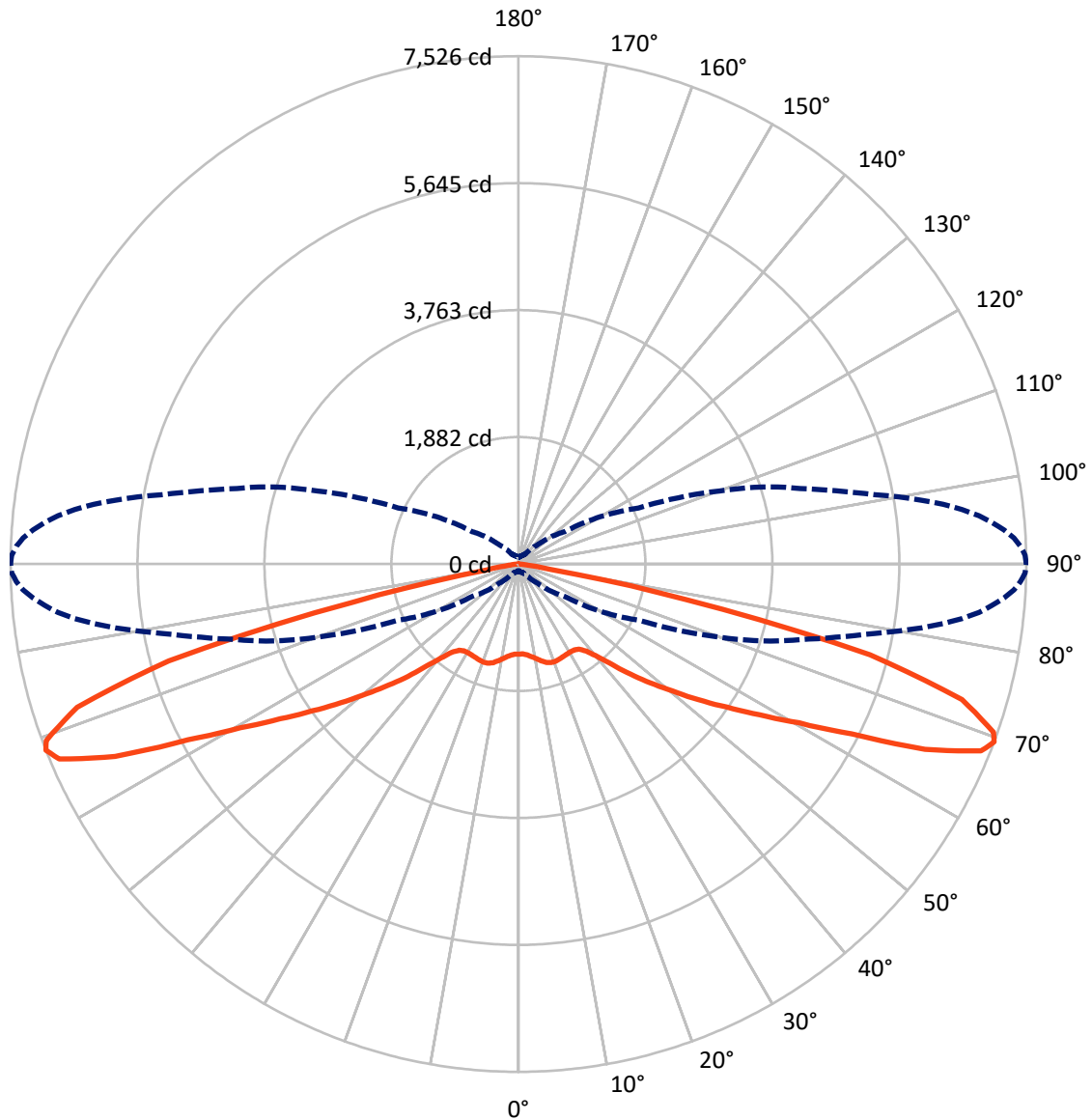
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.6 fc  
 Type I - Short - Full Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral    - - - Horizontal Cone Through 69-Deg Vertical

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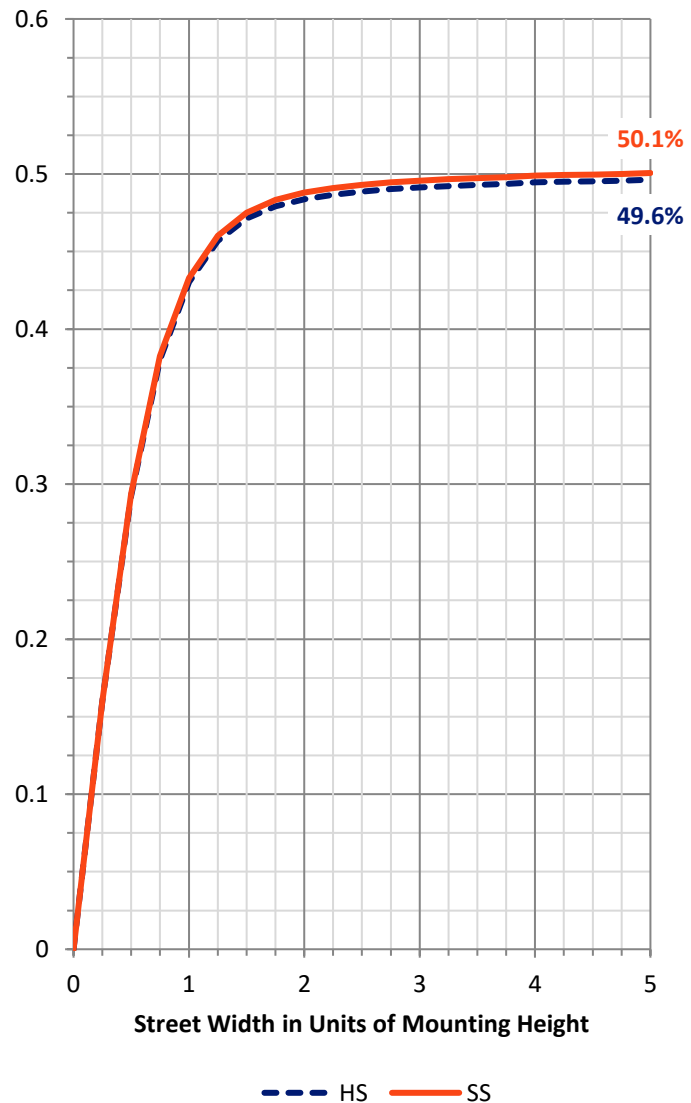
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3559.6	0.0	3559.6
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3559.6	0.0	3559.6
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	7119.2	0.0	7119.2
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	130.8	1.8
10°-20°	412.8	5.8
20°-30°	668.7	9.4
30°-40°	833.4	11.7
40°-50°	1041.4	14.6
50°-60°	1285.9	18.1
60°-70°	1597.8	22.4
70°-80°	1060.7	14.9
80°-90°	87.6	1.2
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7119.2	100.0
0°-180°	7119.2	100.0



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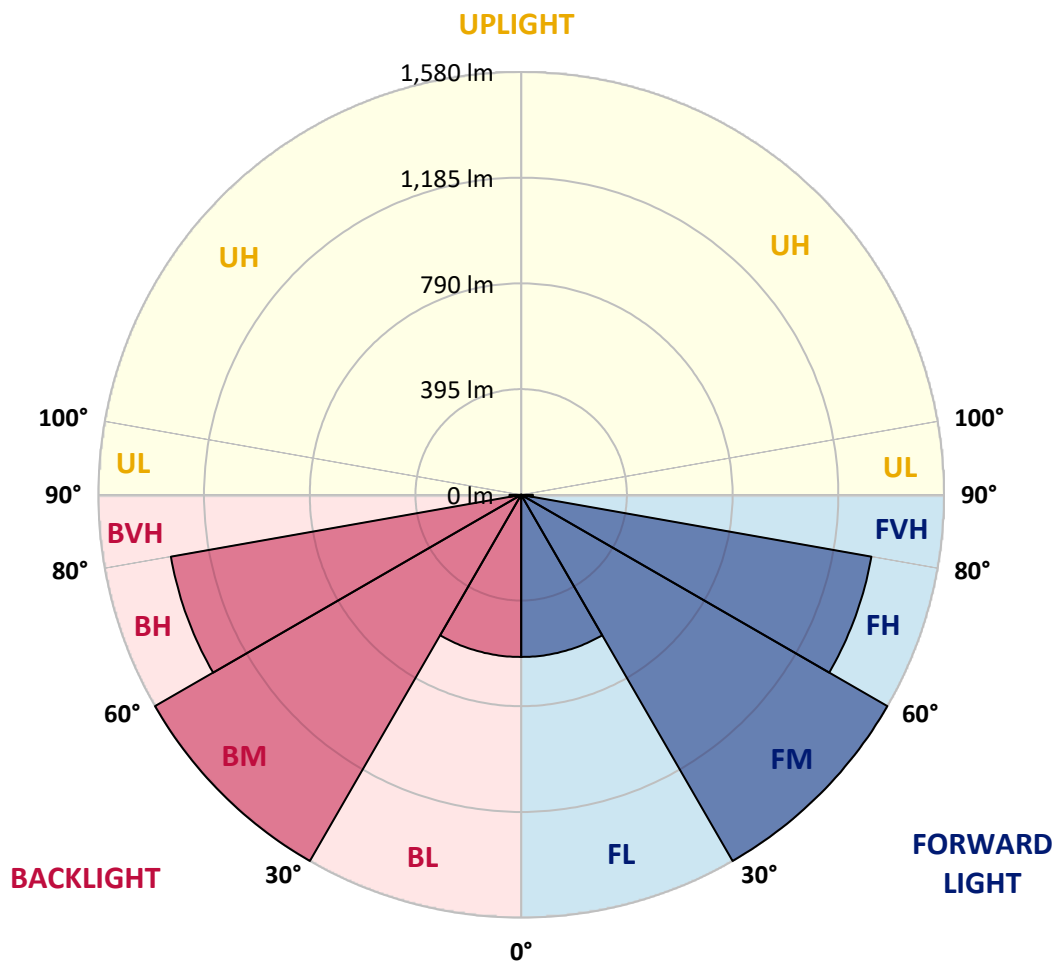
CATALOG NUMBER: ICS-E03-LED-E1-RW-8030

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	606.2	8.5			
FM (30°-60°)	1580.4	22.2			
FH (60°-80°)	1329.3	18.7			G1/1800
FVH (80°-90°)	43.8	0.6			G1/100
BL (0°-30°)	606.2	8.5	B2/1000		
BM (30°-60°)	1580.4	22.2	B2/2500		
BH (60°-80°)	1329.3	18.7	B3/2500		G3/2500
BVH (80°-90°)	43.8	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G3**

Type I Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	70°	71°	72°
0°	1333.9	1333.9	1333.9	1333.9	1333.9	1333.9	1333.9	1333.9	1333.9	1333.9	1333.9
2.5°	1340.0	1341.2	1340.4	1341.9	1341.5	1341.5	1340.8	1339.2	1338.3	1337.7	1337.8
5°	1352.9	1351.4	1353.6	1355.9	1355.2	1355.6	1355.2	1355.2	1354.4	1354.4	1354.3
7.5°	1366.6	1366.2	1367.7	1373.8	1374.6	1376.8	1379.5	1381.4	1381.8	1382.1	1381.8
10°	1378.4	1378.8	1382.6	1391.2	1395.8	1403.1	1410.2	1416.0	1418.0	1419.4	1419.2
12.5°	1387.8	1388.2	1393.9	1407.6	1418.6	1432.2	1447.8	1456.6	1460.4	1461.1	1461.7
15°	1388.6	1389.8	1399.6	1422.0	1444.0	1466.5	1485.1	1496.8	1499.9	1501.9	1502.1
17.5°	1378.8	1379.5	1396.2	1429.2	1466.0	1501.0	1520.4	1525.8	1526.8	1527.6	1527.3
20°	1352.9	1354.8	1378.4	1427.4	1483.6	1529.2	1549.2	1542.1	1538.4	1538.0	1537.6
22.5°	1311.2	1310.8	1341.5	1407.6	1487.0	1551.2	1569.0	1550.0	1538.8	1536.5	1535.0
25°	1243.6	1248.1	1284.2	1363.2	1467.6	1556.1	1583.1	1554.2	1538.1	1534.5	1530.1
27.5°	1170.2	1172.9	1211.2	1295.9	1422.4	1539.0	1589.9	1562.6	1544.5	1539.5	1534.4
30°	1084.8	1088.2	1129.2	1217.7	1349.9	1495.0	1588.0	1581.6	1560.4	1554.4	1548.0
32.5°	1001.2	1005.0	1041.8	1138.6	1273.6	1434.6	1576.6	1608.6	1586.9	1580.2	1573.5
35°	914.6	920.3	965.2	1063.1	1199.8	1367.4	1559.2	1643.1	1631.1	1625.2	1619.3
37.5°	842.8	844.0	887.2	990.2	1131.5	1303.2	1535.9	1686.8	1695.5	1695.5	1696.3
40°	762.7	769.9	813.2	921.8	1069.6	1248.8	1514.0	1746.0	1791.4	1799.7	1806.1
42.5°	690.8	691.6	735.7	847.8	1002.4	1205.2	1501.8	1817.4	1914.5	1932.2	1950.0
45°	615.3	618.4	658.2	766.5	924.8	1153.5	1501.4	1899.8	2054.8	2084.6	2112.1
47.5°	543.9	545.0	587.2	687.8	836.0	1081.4	1498.8	1988.4	2199.3	2243.2	2279.1
50°	475.5	474.4	515.8	612.7	748.2	986.8	1475.6	2088.6	2355.0	2405.0	2449.2
52.5°	397.3	402.6	445.5	538.2	668.4	890.6	1408.0	2198.4	2517.0	2574.8	2630.4
55°	320.5	322.8	368.8	455.4	587.6	801.0	1290.2	2299.4	2675.0	2740.6	2802.3
57.5°	236.2	243.1	283.4	368.8	505.6	725.4	1140.6	2351.9	2809.0	2884.6	2957.9
60°	166.7	172.0	207.8	279.6	415.6	646.0	1011.8	2322.6	2916.6	3013.2	3101.4
62.5°	129.9	134.1	162.6	209.2	324.0	566.7	919.6	2228.0	3036.2	3162.2	3282.5
65°	113.9	117.8	143.6	167.5	242.0	485.8	869.0	2128.1	3196.6	3382.1	3549.7
67.5°	103.0	107.5	129.9	146.6	197.2	423.9	855.7	2065.1	3275.2	3516.7	3742.7
69°	98.0	102.6	122.7	136.8	183.0	401.8	833.0	1965.9	3169.0	3427.2	3674.0
70°	95.0	98.8	117.4	131.8	178.5	386.6	795.0	1842.1	3023.6	3284.2	3542.2
72.5°	88.1	90.1	106.4	120.4	165.6	312.5	611.5	1368.1	2392.3	2646.5	2896.9
75°	77.9	80.1	95.4	109.0	129.2	194.0	387.0	846.2	1610.8	1800.2	2032.5
77.5°	67.2	69.1	82.4	104.1	100.2	121.2	231.3	471.0	914.4	1024.4	1175.5
80°	54.0	56.2	68.0	103.4	82.8	94.2	166.4	329.3	448.9	481.7	518.0
82.5°	39.5	41.4	53.2	83.6	63.4	71.0	126.8	279.2	320.7	335.6	342.9
85°	20.1	20.5	33.8	50.9	40.2	36.8	71.4	191.0	217.6	221.4	227.0
87.5°	3.4	3.4	7.6	8.7	9.9	6.1	9.1	32.6	37.8	37.5	40.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°	83°
0°	1333.9	1333.9	1333.9	1333.9	1333.9	1333.9	1333.9	1333.9	1333.9	1333.9	1333.9
2.5°	1338.2	1338.0	1338.4	1338.5	1339.0	1337.5	1337.3	1337.0	1337.0	1337.7	1337.0
5°	1354.6	1354.5	1354.8	1355.4	1355.3	1354.4	1354.2	1354.4	1353.2	1352.9	1353.6
7.5°	1382.5	1382.1	1381.4	1382.6	1383.4	1383.5	1384.3	1383.7	1383.3	1382.9	1383.6
10°	1420.5	1420.3	1420.5	1421.8	1422.7	1422.8	1423.8	1422.8	1422.4	1423.2	1423.2
12.5°	1463.2	1462.4	1464.2	1465.0	1466.1	1468.4	1467.2	1468.8	1467.6	1469.6	1469.5
15°	1503.4	1503.9	1505.6	1506.3	1506.6	1508.4	1508.7	1509.8	1508.2	1508.6	1511.6
17.5°	1528.4	1528.0	1529.2	1529.7	1530.7	1531.7	1533.5	1534.5	1533.7	1533.7	1535.2
20°	1536.8	1535.6	1536.0	1536.5	1536.7	1537.6	1538.8	1539.0	1539.0	1539.4	1541.0
22.5°	1532.7	1530.7	1528.8	1528.9	1529.1	1528.9	1529.8	1530.3	1531.0	1531.8	1533.7
25°	1526.9	1522.5	1518.9	1518.6	1517.5	1517.6	1518.0	1518.1	1518.8	1520.1	1521.6
27.5°	1527.5	1521.7	1515.8	1513.8	1511.8	1510.5	1509.9	1509.0	1509.8	1510.9	1512.4
30°	1540.4	1531.4	1523.0	1520.5	1517.5	1515.0	1512.8	1510.2	1508.6	1509.8	1510.5
32.5°	1563.4	1554.5	1546.2	1542.1	1537.9	1533.3	1529.1	1526.4	1523.1	1522.0	1521.6
35°	1611.9	1604.9	1597.5	1592.8	1585.8	1582.2	1577.2	1569.8	1564.4	1564.1	1561.0
37.5°	1694.0	1690.6	1685.2	1680.3	1678.1	1668.5	1662.5	1658.7	1652.6	1656.4	1650.0
40°	1811.8	1817.4	1822.4	1819.5	1820.4	1817.9	1814.2	1817.8	1813.6	1812.4	1813.6
42.5°	1962.8	1982.8	1996.7	2001.1	2012.4	2016.8	2025.0	2037.7	2035.0	2049.4	2052.2
45°	2137.7	2166.4	2194.2	2215.0	2237.6	2263.3	2288.9	2309.3	2325.2	2324.4	2342.0
47.5°	2316.1	2358.5	2395.5	2426.7	2467.4	2505.1	2546.6	2588.4	2618.9	2630.2	2634.0
50°	2496.9	2545.8	2596.4	2642.3	2697.3	2757.6	2822.9	2888.2	2920.8	2947.4	2965.2
52.5°	2686.3	2742.2	2796.2	2861.0	2928.8	3008.5	3090.0	3182.9	3232.2	3282.4	3309.0
55°	2866.4	2928.9	2984.6	3071.2	3154.5	3249.6	3356.0	3473.4	3558.8	3617.8	3669.8
57.5°	3030.1	3096.6	3165.0	3262.8	3368.9	3480.0	3615.0	3757.6	3850.6	3953.2	4045.4
60°	3189.9	3273.6	3352.2	3480.0	3606.3	3744.3	3912.3	4092.9	4236.8	4376.2	4482.6
62.5°	3402.0	3509.3	3607.2	3767.9	3932.8	4103.4	4303.3	4516.8	4725.6	4914.8	5058.0
65°	3715.1	3872.8	4019.2	4222.9	4431.1	4655.6	4894.2	5167.0	5417.7	5668.0	5873.1
67.5°	3952.7	4152.5	4340.6	4586.7	4831.8	5092.0	5380.4	5702.6	6012.9	6295.0	6545.0
69°	3906.1	4118.0	4321.6	4572.9	4827.7	5093.5	5384.3	5726.8	6049.4	6355.8	6624.0
70°	3764.1	3984.9	4195.8	4445.3	4703.4	4969.8	5274.3	5610.6	5940.7	6267.4	6538.2
72.5°	3119.6	3341.2	3546.0	3801.2	4061.0	4340.9	4629.2	4957.0	5309.4	5658.5	5895.8
75°	2236.7	2432.5	2631.0	2846.9	3100.4	3331.1	3594.8	3907.6	4203.8	4474.6	4656.2
77.5°	1322.0	1439.2	1580.8	1682.4	1829.5	1956.5	2090.7	2264.4	2355.6	2530.4	2575.2
80°	538.7	535.4	556.4	535.6	540.2	523.2	505.1	501.8	473.2	509.0	482.4
82.5°	342.1	318.2	292.8	257.6	226.5	193.9	164.0	139.0	134.4	135.2	133.7
85°	225.4	215.1	192.2	161.6	131.7	105.7	84.6	66.8	66.1	64.9	64.6
87.5°	40.8	37.9	31.2	26.6	22.4	16.7	11.7	8.7	8.4	8.4	9.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





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**CANDELA DISTRIBUTION (continued):**

	84°	85°	86°	87°	88°	89°	90°
0°	1333.9	1333.9	1333.9	1333.9	1333.9	1333.9	1333.9
2.5°	1337.0	1337.0	1336.6	1337.4	1337.0	1335.8	1334.7
5°	1354.4	1352.9	1354.0	1355.2	1353.3	1353.7	1352.9
7.5°	1383.7	1383.3	1383.6	1382.6	1381.8	1382.9	1384.1
10°	1424.6	1423.9	1423.6	1424.7	1423.9	1423.2	1423.6
12.5°	1470.6	1470.6	1470.2	1470.6	1470.2	1469.2	1468.4
15°	1511.3	1512.1	1512.0	1511.2	1510.9	1510.5	1510.9
17.5°	1536.4	1536.0	1536.0	1536.0	1535.6	1536.0	1536.7
20°	1542.9	1541.6	1541.7	1542.4	1541.6	1542.4	1542.8
22.5°	1534.1	1534.1	1534.0	1534.4	1535.2	1535.2	1536.0
25°	1523.1	1523.1	1523.1	1523.8	1523.8	1524.2	1524.6
27.5°	1514.3	1514.4	1514.4	1515.1	1515.1	1515.5	1516.2
30°	1511.6	1511.7	1511.3	1511.6	1512.0	1512.1	1512.4
32.5°	1521.9	1520.8	1520.4	1519.6	1518.9	1518.8	1518.5
35°	1558.0	1555.0	1555.4	1553.1	1553.8	1551.9	1550.4
37.5°	1645.8	1642.8	1639.3	1634.7	1632.1	1635.5	1635.5
40°	1809.8	1811.7	1803.4	1801.1	1796.2	1799.6	1804.1
42.5°	2053.6	2056.0	2057.4	2045.0	2044.6	2041.9	2034.3
45°	2342.7	2337.4	2339.6	2334.0	2331.6	2323.4	2333.6
47.5°	2648.4	2651.9	2638.2	2633.6	2641.6	2628.0	2629.8
50°	2975.5	2976.2	2966.0	2963.8	2971.0	2945.1	2957.3
52.5°	3328.0	3329.5	3337.4	3328.0	3331.8	3325.6	3337.8
55°	3702.8	3731.3	3734.0	3744.2	3745.0	3757.6	3745.0
57.5°	4096.7	4129.0	4159.4	4200.8	4209.9	4205.0	4212.9
60°	4571.1	4655.8	4701.4	4766.3	4776.6	4804.7	4780.4
62.5°	5192.5	5324.2	5423.8	5474.0	5504.3	5563.2	5543.8
65°	6061.5	6218.4	6369.5	6441.7	6521.4	6605.0	6620.2
67.5°	6773.2	6947.6	7104.8	7229.8	7327.0	7388.6	7393.5
69°	6862.2	7047.5	7213.1	7352.1	7446.6	7509.7	7526.4
70°	6782.0	6971.5	7147.0	7279.6	7385.2	7449.4	7471.8
72.5°	6145.0	6370.6	6511.2	6646.4	6795.3	6814.7	6876.2
75°	4864.3	5066.8	5204.6	5240.4	5318.2	5416.2	5381.2
77.5°	2537.2	2625.2	2654.6	2592.2	2589.2	2646.6	2532.6
80°	483.1	483.9	476.0	472.9	478.6	472.8	464.9
82.5°	136.4	134.4	133.3	136.4	136.0	135.6	138.3
85°	63.0	61.2	58.1	58.2	59.6	57.4	58.5
87.5°	8.8	7.2	7.2	7.2	6.8	6.8	6.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)