

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: P180282

Luminaire Tested: **ICM-F03-LED-E1-RW-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180282
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: ICM-F03-LED-E1-RW-7030
Description: ICON SITE MEDIUM LED LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - RECTANGULAR WIDE
Light Source: (21) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6573.4 lumens
Efficiency: N/A
Efficacy: 84.0 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

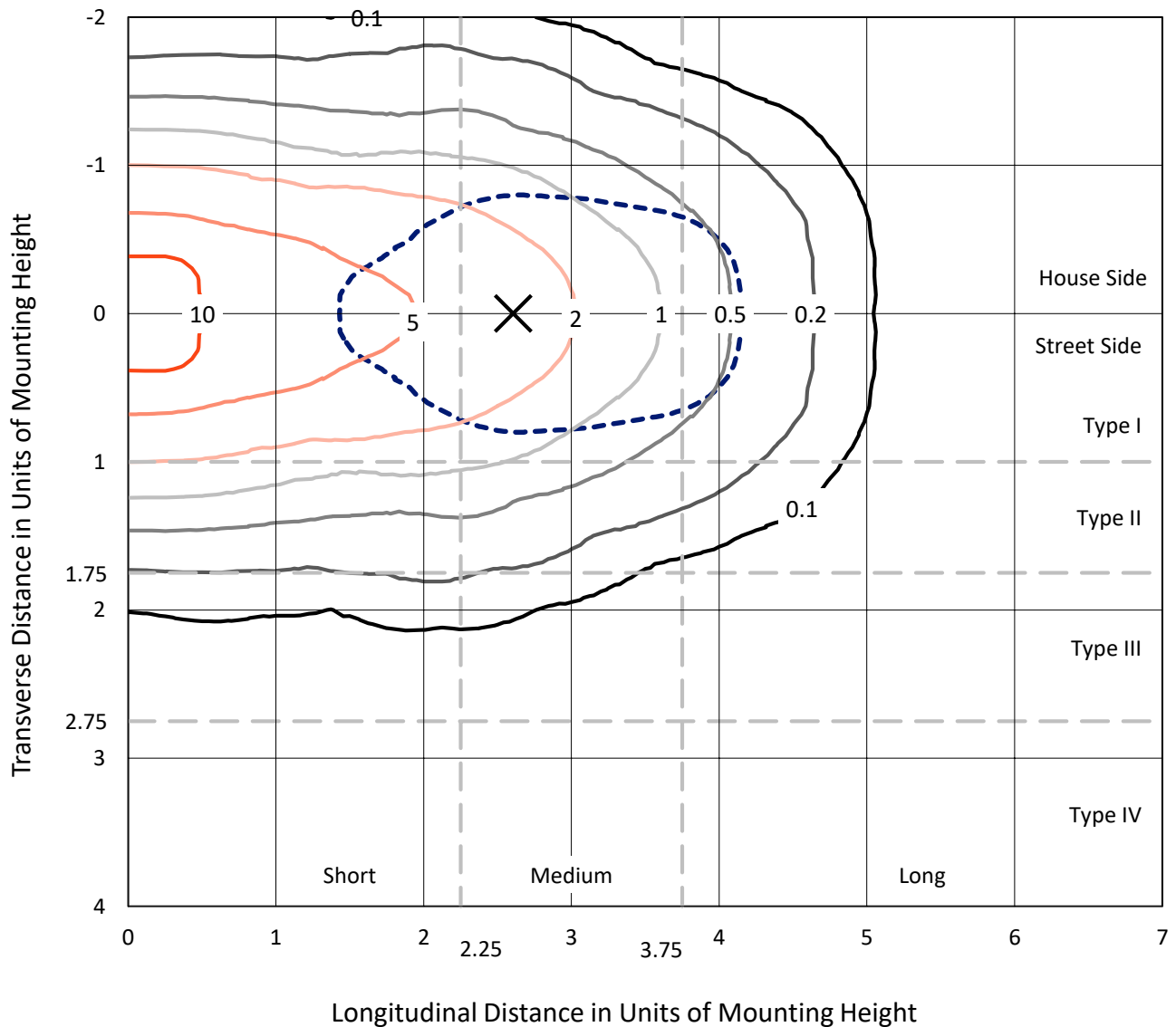
Input Watts (W): 78.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

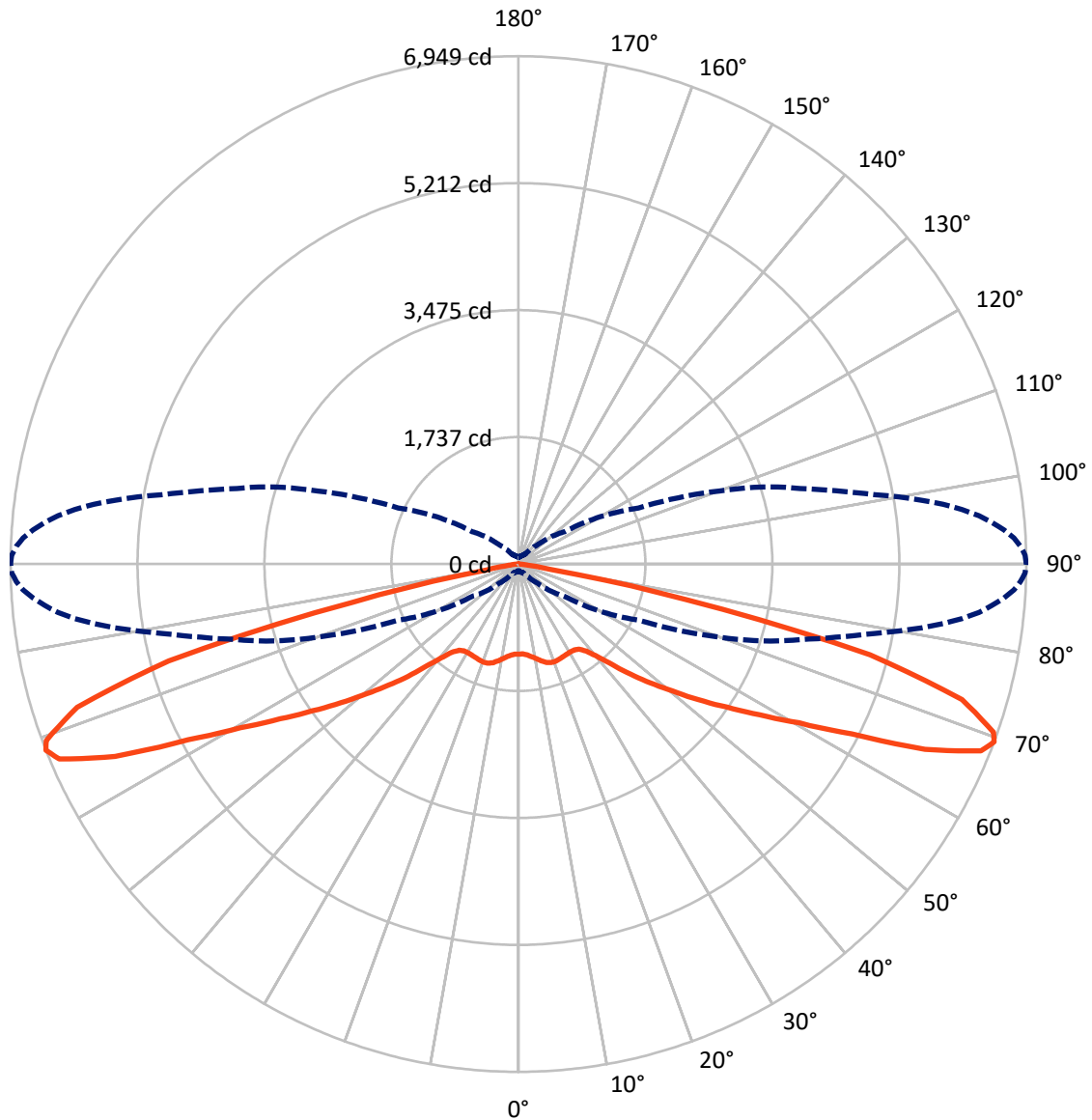
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.6 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
House Side	Lumens	3286.7	0.0	3286.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3286.7	0.0	3286.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	6573.4	0.0	6573.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.8	1.8
10°-20°	381.1	5.8
20°-30°	617.4	9.4
30°-40°	769.5	11.7
40°-50°	961.6	14.6
50°-60°	1187.3	18.1
60°-70°	1475.3	22.4
70°-80°	979.4	14.9
80°-90°	80.9	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°	6573.4	100.0
0°-180°	6573.4	100.0



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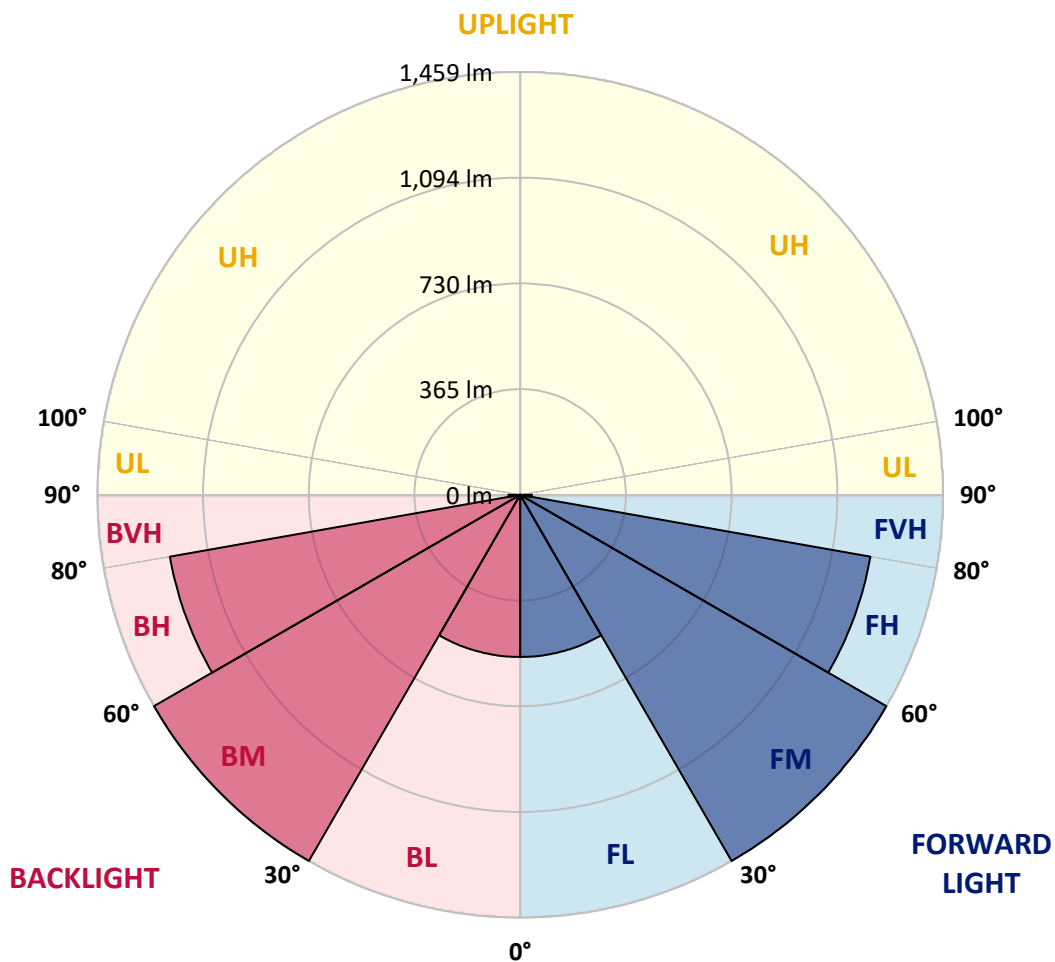
CATALOG NUMBER: ICM-F03-LED-E1-RW-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	559.7	8.5			
FM	(30°-60°)	1459.2	22.2			
FH	(60°-80°)	1227.4	18.7			G1/1800
FVH	(80°-90°)	40.4	0.6			G1/100
BL	(0°-30°)	559.7	8.5	B2/1000		
BM	(30°-60°)	1459.2	22.2	B2/2500		
BH	(60°-80°)	1227.4	18.7	B3/2500		G3/2500
BVH	(80°-90°)	40.4	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°	1231.6	1231.6	1231.6	1231.6	1231.6	1231.6	1231.6	1231.6	1231.6	1231.6	1231.6
2.5°	1237.3	1238.3	1237.6	1239.1	1238.7	1238.7	1238.0	1236.6	1235.7	1235.1	1235.3
5°	1249.1	1247.8	1249.9	1251.9	1251.4	1251.7	1251.3	1251.3	1250.6	1250.5	1250.4
7.5°	1261.8	1261.4	1262.9	1268.5	1269.2	1271.3	1273.7	1275.5	1275.8	1276.2	1275.8
10°	1272.8	1273.0	1276.5	1284.7	1288.8	1295.4	1302.1	1307.4	1309.3	1310.5	1310.3
12.5°	1281.5	1281.8	1287.1	1299.7	1309.9	1322.4	1336.9	1344.9	1348.5	1349.0	1349.7
15°	1282.1	1283.2	1292.3	1313.0	1333.3	1354.1	1371.2	1382.1	1384.9	1386.8	1387.0
17.5°	1273.0	1273.7	1289.1	1319.6	1353.7	1386.0	1403.8	1408.8	1409.8	1410.5	1410.1
20°	1249.2	1251.0	1272.8	1318.0	1369.9	1411.9	1430.5	1423.8	1420.5	1420.1	1419.7
22.5°	1210.6	1210.2	1238.7	1299.7	1372.9	1432.2	1448.8	1431.3	1420.8	1418.7	1417.3
25°	1148.1	1152.4	1185.7	1258.6	1355.1	1436.8	1461.7	1435.1	1420.1	1416.8	1412.8
27.5°	1080.6	1083.0	1118.3	1196.6	1313.4	1421.0	1468.0	1442.8	1426.1	1421.4	1416.8
30°	1001.6	1004.8	1042.6	1124.3	1246.3	1380.4	1466.2	1460.3	1440.8	1435.3	1429.3
32.5°	924.5	928.0	962.0	1051.4	1175.9	1324.7	1455.7	1485.2	1465.2	1459.1	1452.8
35°	844.5	849.7	891.2	981.6	1107.8	1262.5	1439.6	1517.1	1506.1	1500.7	1495.2
37.5°	778.2	779.3	819.2	914.2	1044.8	1203.2	1418.2	1557.4	1565.6	1565.5	1566.2
40°	704.2	710.9	750.9	851.2	987.5	1153.1	1397.9	1612.1	1654.1	1661.8	1667.6
42.5°	638.0	638.7	679.3	782.7	925.5	1112.8	1386.6	1678.1	1767.6	1784.0	1800.4
45°	568.2	571.0	607.7	707.7	854.0	1065.1	1386.2	1754.2	1897.2	1924.8	1950.2
47.5°	502.2	503.3	542.1	635.2	771.9	998.4	1383.8	1835.9	2030.7	2071.3	2104.4
50°	439.1	438.0	476.3	565.7	690.8	911.1	1362.4	1928.5	2174.5	2220.7	2261.4
52.5°	366.9	371.7	411.4	496.9	617.2	822.3	1300.1	2029.8	2324.1	2377.4	2428.7
55°	296.0	298.0	340.5	420.5	542.5	739.5	1191.4	2123.2	2470.0	2530.5	2587.6
57.5°	218.1	224.4	261.6	340.5	466.8	669.9	1053.2	2171.5	2593.6	2663.4	2731.1
60°	154.0	158.9	191.8	258.0	383.6	596.5	934.3	2144.6	2693.0	2782.2	2863.6
62.5°	120.0	123.7	150.1	193.2	299.2	523.2	849.0	2057.2	2803.6	2919.7	3030.8
65°	105.2	108.7	132.7	154.6	223.4	448.6	802.4	1964.9	2951.5	3122.8	3277.5
67.5°	95.1	99.3	119.9	135.3	182.0	391.4	790.1	1906.7	3024.0	3247.1	3455.7
69°	90.4	94.7	113.3	126.3	169.1	371.0	769.1	1815.3	2926.1	3164.5	3392.4
70°	87.6	91.2	108.4	121.7	164.8	357.0	734.0	1700.8	2791.7	3032.4	3270.6
72.5°	81.4	83.2	98.2	111.2	152.9	288.6	564.7	1263.3	2208.9	2443.5	2674.8
75°	71.9	74.0	88.0	100.7	119.3	179.2	357.4	781.4	1487.3	1662.1	1876.7
77.5°	62.0	63.8	76.1	96.1	92.7	111.8	213.6	434.8	844.3	945.9	1085.4
80°	49.9	51.9	62.8	95.3	76.5	87.0	153.6	304.0	414.5	444.8	478.2
82.5°	36.5	38.2	49.1	77.1	58.6	65.6	117.2	257.8	296.2	309.9	316.6
85°	18.6	18.9	31.3	47.0	37.2	34.0	66.0	176.4	200.9	204.4	209.6
87.5°	3.2	3.2	7.1	8.0	9.1	5.7	8.4	30.1	34.9	34.7	37.6
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°	1231.6	1231.6	1231.6	1231.6	1231.6	1231.6	1231.6	1231.6	1231.6	1231.6	1231.6
2.5°	1235.6	1235.4	1235.9	1235.9	1236.4	1235.1	1234.7	1234.4	1234.4	1235.2	1234.4
5°	1250.7	1250.6	1251.0	1251.5	1251.4	1250.5	1250.3	1250.6	1249.5	1249.1	1249.9
7.5°	1276.6	1276.2	1275.5	1276.7	1277.4	1277.4	1278.2	1277.6	1277.2	1276.8	1277.6
10°	1311.5	1311.4	1311.6	1312.8	1313.6	1313.8	1314.6	1313.7	1313.4	1314.1	1314.1
12.5°	1351.1	1350.2	1351.9	1352.7	1353.7	1355.8	1354.7	1356.1	1355.1	1356.8	1356.8
15°	1388.1	1388.7	1390.1	1390.8	1391.1	1392.8	1393.0	1394.1	1392.6	1392.9	1395.7
17.5°	1411.2	1410.8	1411.9	1412.5	1413.4	1414.2	1415.9	1416.8	1416.2	1416.1	1417.5
20°	1419.0	1418.0	1418.2	1418.7	1418.8	1419.7	1420.8	1421.0	1421.0	1421.4	1422.8
22.5°	1415.2	1413.4	1411.5	1411.7	1411.8	1411.6	1412.5	1413.0	1413.6	1414.3	1416.2
25°	1409.8	1405.8	1402.4	1402.1	1401.2	1401.2	1401.7	1401.7	1402.4	1403.5	1404.8
27.5°	1410.3	1404.9	1399.6	1397.7	1395.8	1394.7	1394.1	1393.3	1394.1	1395.1	1396.5
30°	1422.3	1414.0	1406.3	1403.9	1401.1	1398.8	1396.8	1394.4	1392.9	1394.1	1394.7
32.5°	1443.5	1435.3	1427.7	1423.8	1420.0	1415.7	1411.9	1409.5	1406.3	1405.2	1404.8
35°	1488.4	1481.9	1475.0	1470.7	1464.3	1460.9	1456.2	1449.5	1444.6	1444.2	1441.3
37.5°	1564.1	1560.9	1556.1	1551.5	1549.4	1540.6	1535.0	1531.5	1525.9	1529.4	1523.5
40°	1672.8	1678.1	1682.6	1679.9	1680.8	1678.5	1675.2	1678.4	1674.6	1673.5	1674.6
42.5°	1812.3	1830.7	1843.6	1847.7	1858.1	1862.2	1869.7	1881.5	1879.1	1892.4	1894.9
45°	1973.8	2000.2	2026.0	2045.1	2066.1	2089.8	2113.5	2132.3	2147.0	2146.2	2162.4
47.5°	2138.5	2177.7	2211.8	2240.7	2278.2	2313.0	2351.4	2390.0	2418.1	2428.7	2432.1
50°	2305.5	2350.5	2397.4	2439.7	2490.5	2546.2	2606.4	2666.7	2696.9	2721.4	2737.9
52.5°	2480.3	2532.0	2581.8	2641.7	2704.3	2777.9	2853.0	2938.8	2984.4	3030.7	3055.3
55°	2646.6	2704.4	2755.7	2835.8	2912.7	3000.4	3098.7	3207.1	3286.1	3340.4	3388.5
57.5°	2797.8	2859.2	2922.3	3012.6	3110.6	3213.1	3337.8	3469.4	3555.4	3650.1	3735.3
60°	2945.4	3022.6	3095.3	3213.2	3329.8	3457.2	3612.4	3779.2	3912.0	4040.8	4139.0
62.5°	3141.1	3240.2	3330.6	3479.0	3631.3	3788.8	3973.3	4170.4	4363.4	4538.1	4670.2
65°	3430.3	3575.9	3711.1	3899.1	4091.4	4298.7	4519.0	4770.8	5002.4	5233.4	5422.8
67.5°	3649.7	3834.2	4007.7	4235.1	4461.3	4701.7	4967.9	5265.3	5551.8	5812.4	6043.2
69°	3606.7	3802.3	3990.3	4222.4	4457.6	4703.0	4971.6	5287.8	5585.5	5868.6	6116.1
70°	3475.6	3679.4	3874.2	4104.4	4342.8	4588.9	4869.9	5180.5	5485.2	5786.8	6036.9
72.5°	2880.4	3084.9	3274.1	3509.8	3749.7	4008.1	4274.4	4577.0	4902.4	5224.7	5443.9
75°	2065.2	2246.1	2429.2	2628.6	2862.6	3075.6	3319.2	3608.0	3881.5	4131.6	4299.2
77.5°	1220.7	1328.9	1459.6	1553.4	1689.3	1806.5	1930.4	2090.8	2175.1	2336.4	2377.7
80°	497.4	494.3	513.8	494.5	498.8	483.2	466.3	463.3	436.9	470.0	445.4
82.5°	315.9	293.9	270.3	237.9	209.2	179.1	151.4	128.4	124.1	124.8	123.4
85°	208.1	198.5	177.5	149.2	121.6	97.6	78.0	61.8	61.0	59.9	59.6
87.5°	37.7	35.0	28.7	24.6	20.7	15.4	10.9	8.1	7.7	7.6	9.1
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°	1231.6	1231.6	1231.6	1231.6	1231.6	1231.6	1231.6
2.5°	1234.4	1234.4	1234.1	1234.8	1234.4	1233.4	1232.4
5°	1250.6	1249.1	1250.2	1251.3	1249.5	1249.9	1249.2
7.5°	1277.6	1277.2	1277.6	1276.5	1275.8	1276.8	1278.0
10°	1315.4	1314.8	1314.4	1315.4	1314.8	1314.1	1314.4
12.5°	1358.0	1358.0	1357.6	1358.0	1357.6	1356.5	1355.8
15°	1395.5	1396.1	1396.1	1395.4	1395.1	1394.7	1395.1
17.5°	1418.6	1418.2	1418.2	1418.2	1417.9	1418.2	1418.9
20°	1424.6	1423.5	1423.5	1424.2	1423.5	1424.2	1424.6
22.5°	1416.5	1416.5	1416.5	1416.8	1417.5	1417.5	1418.2
25°	1406.3	1406.3	1406.3	1407.0	1407.0	1407.4	1407.7
27.5°	1398.2	1398.2	1398.2	1398.9	1398.9	1399.3	1400.0
30°	1395.7	1395.7	1395.5	1395.7	1396.1	1396.1	1396.5
32.5°	1405.2	1404.2	1403.8	1403.2	1402.4	1402.4	1402.1
35°	1438.5	1435.7	1436.1	1434.0	1434.7	1432.9	1431.5
37.5°	1519.6	1516.8	1513.6	1509.4	1506.9	1510.1	1510.1
40°	1671.1	1672.8	1665.1	1663.0	1658.4	1661.6	1665.8
42.5°	1896.2	1898.3	1899.7	1888.2	1887.8	1885.4	1878.3
45°	2163.1	2158.2	2160.3	2155.0	2152.9	2145.1	2154.7
47.5°	2445.4	2448.6	2435.9	2431.7	2439.1	2426.4	2428.2
50°	2747.4	2748.1	2738.6	2736.6	2743.1	2719.3	2730.5
52.5°	3072.8	3074.3	3081.5	3072.8	3076.3	3070.7	3081.9
55°	3419.0	3445.2	3447.6	3457.1	3457.9	3469.4	3457.9
57.5°	3782.6	3812.5	3840.5	3878.7	3887.1	3882.5	3889.9
60°	4220.7	4298.8	4341.0	4400.9	4410.4	4436.3	4413.9
62.5°	4794.4	4916.1	5007.9	5054.3	5082.4	5136.7	5118.7
65°	5596.8	5741.6	5881.2	5947.9	6021.4	6098.6	6112.7
67.5°	6254.0	6414.9	6560.1	6675.6	6765.3	6822.1	6826.6
69°	6336.0	6507.2	6660.1	6788.4	6875.8	6934.0	6949.4
70°	6262.0	6437.1	6599.1	6721.4	6819.0	6878.2	6898.9
72.5°	5673.9	5882.3	6011.9	6136.8	6274.3	6292.2	6349.0
75°	4491.4	4678.4	4805.6	4838.5	4910.4	5001.0	4968.7
77.5°	2342.7	2424.0	2451.0	2393.5	2390.7	2443.7	2338.4
80°	446.1	446.8	439.4	436.7	441.9	436.7	429.2
82.5°	125.9	124.1	123.2	126.0	125.6	125.2	127.6
85°	58.2	56.4	53.7	53.6	55.1	53.0	54.0
87.5°	8.0	6.7	6.7	6.7	6.3	6.3	6.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)