

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: P180271

Luminaire Tested: **ICM-F02-LED-E1-RW-8030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180271
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-F02-LED-E1-RW-8030
Description: ICON SITE MEDIUM LED LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - RECTANGULAR WIDE
Light Source: (14) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4049.4 lumens
Efficiency: N/A
Efficacy: 73.6 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 1' x H: 0.1')
IES Classification: Type I - Short - Full Cutoff
BUG Rating: B2 - U0 - G2

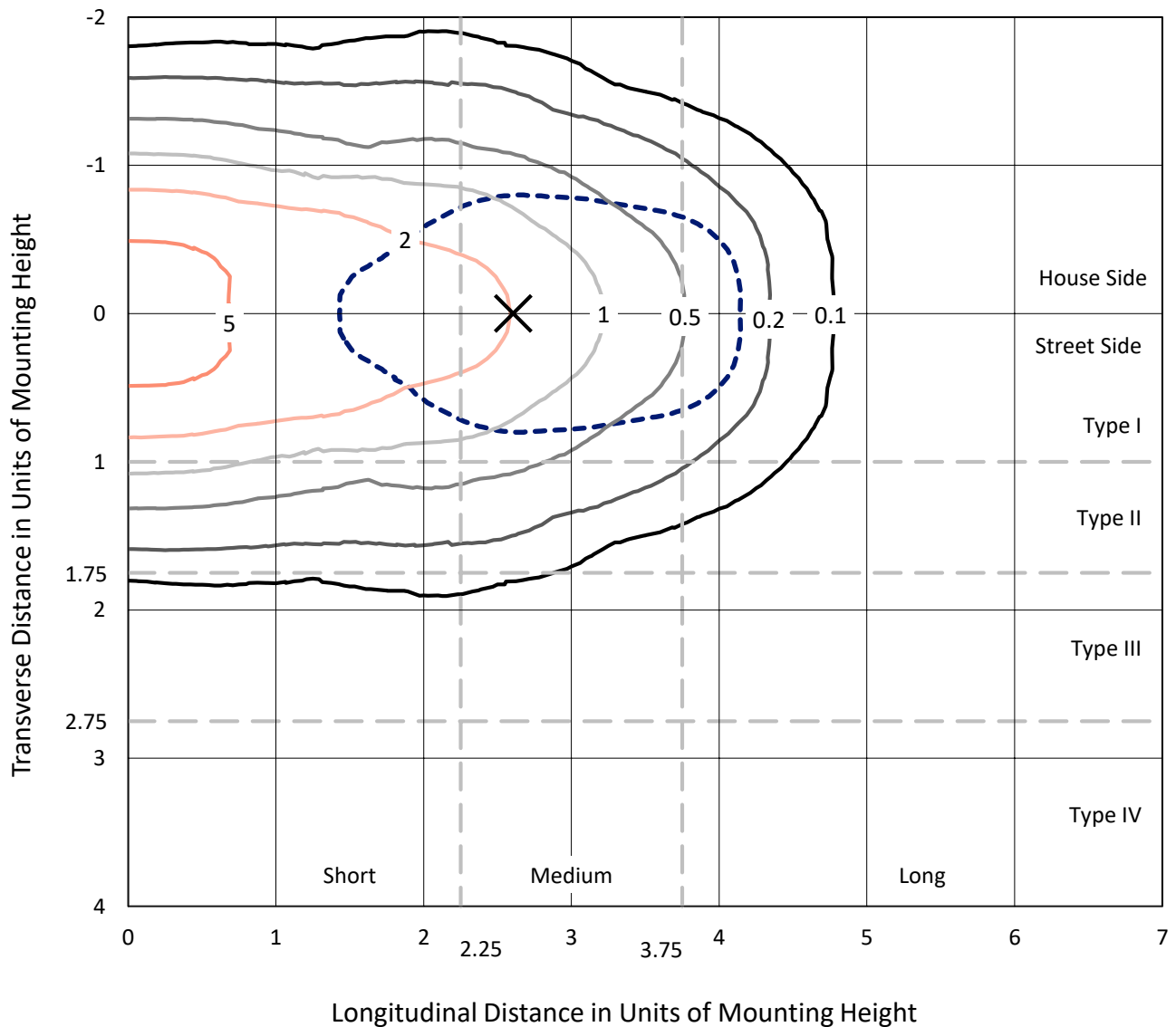
Input Watts (W): 55
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

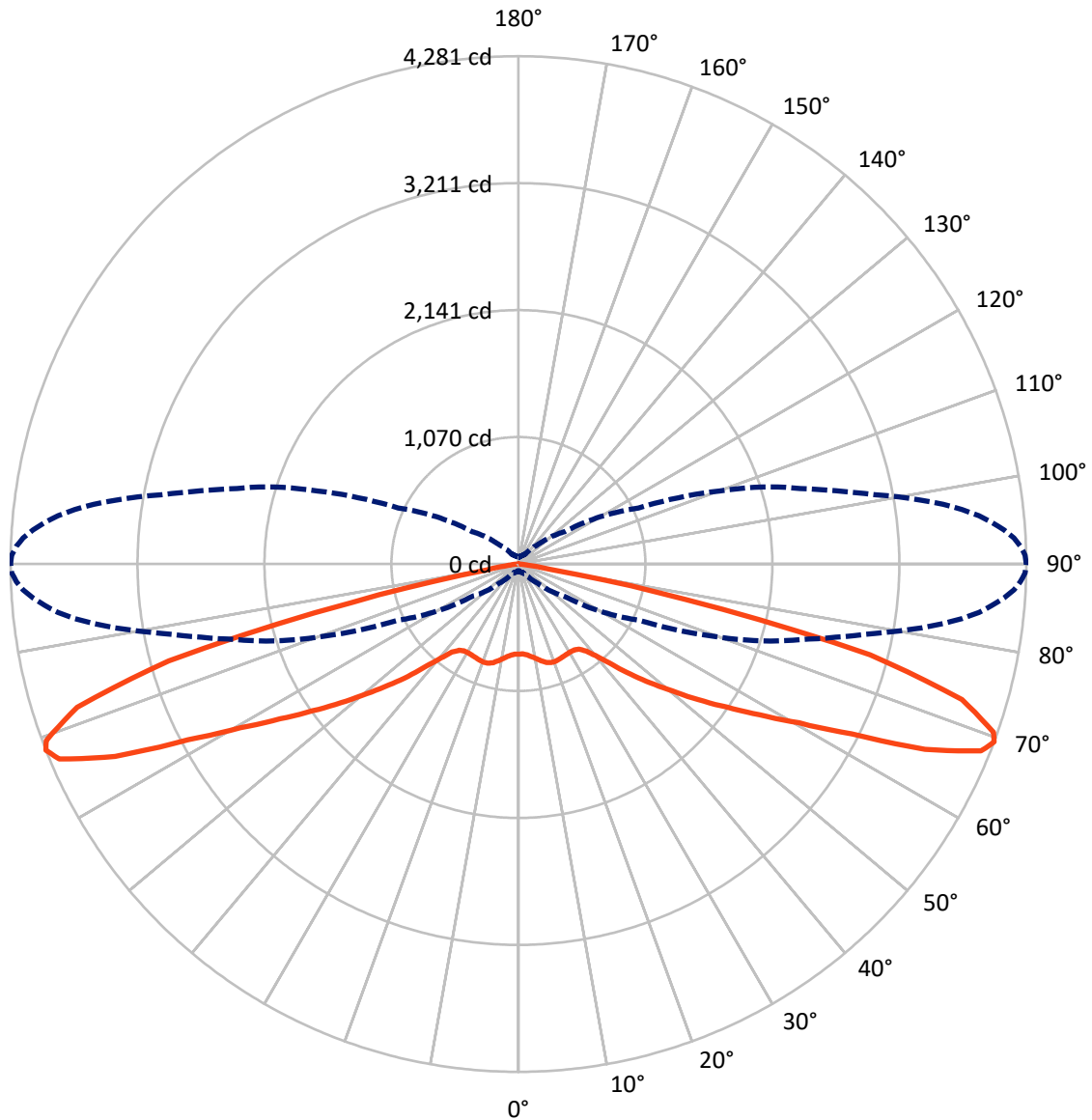
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.8 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	2024.7	0.0	2024.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2024.7	0.0	2024.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	4049.4	0.0	4049.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.4	1.8
10°-20°	234.8	5.8
20°-30°	380.4	9.4
30°-40°	474.0	11.7
40°-50°	592.4	14.6
50°-60°	731.4	18.1
60°-70°	908.9	22.4
70°-80°	603.4	14.9
80°-90°	49.8	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°	4049.4	100.0
0°-180°	4049.4	100.0



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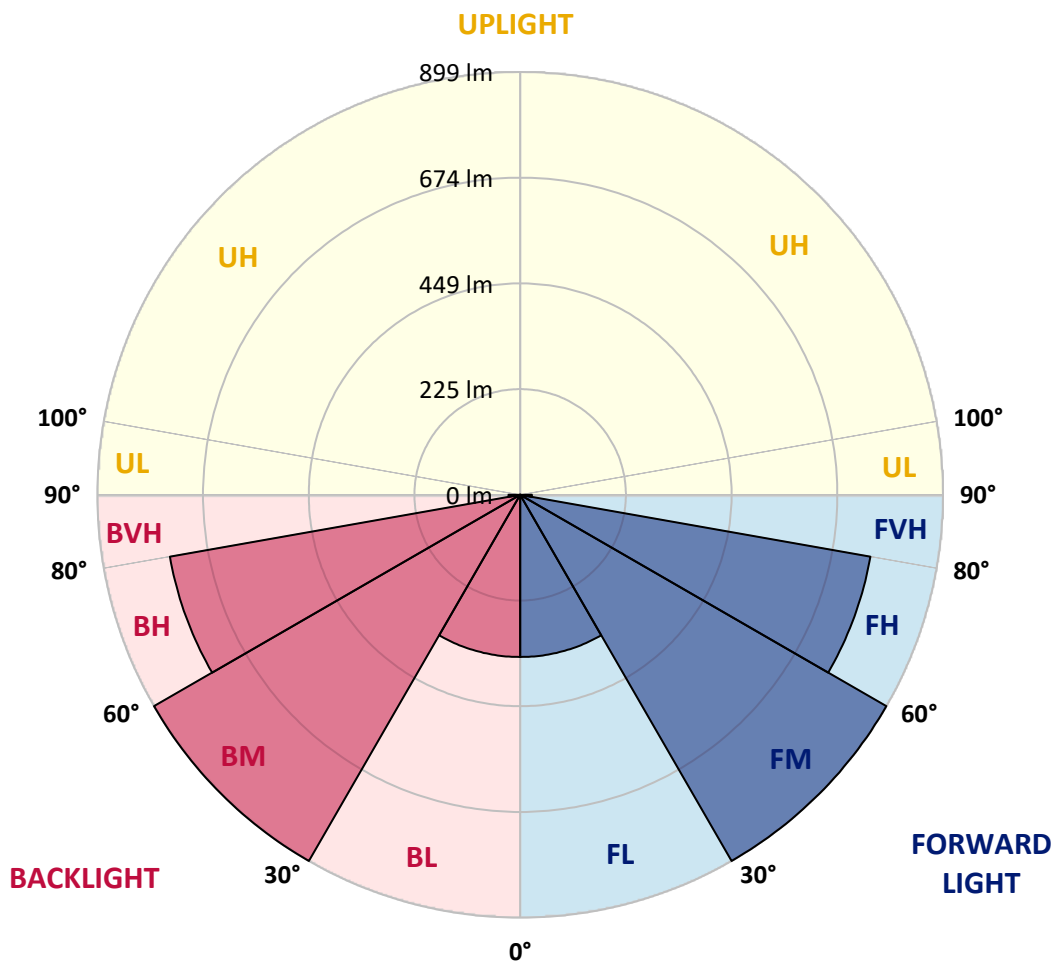
CATALOG NUMBER: ICM-F02-LED-E1-RW-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	344.8	8.5			
FM (30°-60°)	898.9	22.2			
FH (60°-80°)	756.1	18.7			G1/1800
FVH (80°-90°)	24.9	0.6			G1/100
BL (0°-30°)	344.8	8.5	B1/500		
BM (30°-60°)	898.9	22.2	B1/1000		
BH (60°-80°)	756.1	18.7	B2/1000		G2/1000
BVH (80°-90°)	24.9	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type I Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	71°	72°
0°	758.7	758.7	758.7	758.7	758.7	758.7	758.7	758.7	758.7	758.7	758.7
2.5°	762.2	762.8	762.4	763.3	763.1	763.1	762.6	761.8	761.2	760.8	760.9
5°	769.5	768.7	770.0	771.3	770.8	771.1	770.8	770.8	770.4	770.3	770.3
7.5°	777.3	777.1	778.0	781.4	781.9	783.2	784.7	785.7	786.0	786.2	786.0
10°	784.0	784.2	786.4	791.4	794.0	798.1	802.1	805.4	806.6	807.4	807.3
12.5°	789.4	789.6	792.9	800.7	806.9	814.7	823.5	828.5	830.7	831.1	831.4
15°	789.9	790.5	796.1	808.9	821.4	834.1	844.7	851.4	853.1	854.3	854.4
17.5°	784.2	784.7	794.2	813.0	833.9	853.8	864.8	867.8	868.5	868.9	868.7
20°	769.5	770.6	784.0	811.9	843.9	869.8	881.2	877.1	875.1	874.8	874.6
22.5°	745.9	745.6	763.1	800.7	845.8	882.3	892.5	881.7	875.4	874.0	873.1
25°	707.4	710.0	730.4	775.4	834.8	885.1	900.5	884.1	874.9	872.8	870.3
27.5°	665.7	667.2	688.9	737.1	809.1	875.4	904.4	888.7	878.5	875.7	872.7
30°	617.0	619.0	642.2	692.7	767.8	850.3	903.3	899.5	887.6	884.2	880.6
32.5°	569.5	571.6	592.6	647.6	724.4	816.0	896.7	915.0	902.6	898.8	895.0
35°	520.2	523.4	549.0	604.7	682.5	777.8	886.9	934.6	927.8	924.5	921.1
37.5°	479.4	480.0	504.7	563.2	643.5	741.2	873.7	959.4	964.4	964.5	964.8
40°	433.9	438.0	462.5	524.3	608.4	710.3	861.2	993.1	1019.0	1023.7	1027.4
42.5°	392.9	393.4	418.4	482.2	570.1	685.5	854.2	1033.8	1088.9	1099.0	1109.1
45°	350.0	351.7	374.4	436.0	526.0	656.1	854.0	1080.7	1168.8	1185.8	1201.4
47.5°	309.4	310.0	334.0	391.3	475.5	615.1	852.5	1131.0	1251.0	1275.9	1296.4
50°	270.5	269.9	293.4	348.5	425.6	561.3	839.4	1188.0	1339.5	1368.0	1393.1
52.5°	226.0	229.0	253.4	306.1	380.3	506.6	800.8	1250.4	1431.7	1464.6	1496.2
55°	182.3	183.6	209.8	259.0	334.2	455.6	734.0	1308.0	1521.6	1558.9	1594.0
57.5°	134.3	138.2	161.1	209.9	287.5	412.7	648.7	1337.7	1597.8	1640.8	1682.5
60°	94.9	97.9	118.1	159.1	236.4	367.4	575.5	1321.1	1659.0	1714.0	1764.1
62.5°	73.9	76.3	92.5	119.1	184.3	322.3	523.0	1267.4	1727.1	1798.7	1867.1
65°	64.8	67.0	81.7	95.3	137.7	276.3	494.3	1210.5	1818.2	1923.7	2019.1
67.5°	58.6	61.2	73.9	83.3	112.1	241.1	486.7	1174.7	1863.0	2000.4	2128.9
69°	55.8	58.3	69.8	77.8	104.1	228.6	473.9	1118.2	1802.6	1949.4	2089.9
70°	54.0	56.2	66.8	75.0	101.6	219.9	452.2	1047.8	1719.8	1868.1	2014.8
72.5°	50.1	51.2	60.5	68.5	94.1	177.8	347.8	778.2	1360.8	1505.3	1647.8
75°	44.3	45.6	54.2	62.0	73.5	110.3	220.1	481.3	916.2	1023.9	1156.1
77.5°	38.2	39.3	46.9	59.2	57.0	68.9	131.5	267.9	520.1	582.7	668.7
80°	30.7	31.9	38.7	58.8	47.2	53.6	94.7	187.3	255.4	274.0	294.6
82.5°	22.5	23.5	30.3	47.5	36.1	40.4	72.2	158.8	182.4	190.9	195.1
85°	11.4	11.7	19.2	28.9	22.9	20.9	40.7	108.7	123.7	125.9	129.1
87.5°	2.0	2.0	4.3	5.0	5.6	3.4	5.2	18.6	21.5	21.3	23.2
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°	758.7	758.7	758.7	758.7	758.7	758.7	758.7	758.7	758.7	758.7	758.7
2.5°	761.2	761.0	761.3	761.4	761.7	760.8	760.7	760.5	760.5	760.9	760.5
5°	770.5	770.4	770.6	771.0	770.9	770.3	770.2	770.4	769.7	769.5	770.1
7.5°	786.4	786.2	785.8	786.4	787.0	787.0	787.4	787.1	786.8	786.6	787.0
10°	808.0	807.9	808.0	808.7	809.3	809.3	809.9	809.3	809.1	809.5	809.5
12.5°	832.3	831.8	832.8	833.3	834.0	835.3	834.5	835.4	834.8	835.9	835.9
15°	855.2	855.4	856.4	856.7	856.9	858.1	858.1	858.8	857.9	858.1	859.8
17.5°	869.4	869.1	869.8	870.1	870.7	871.3	872.2	872.7	872.4	872.4	873.3
20°	874.1	873.5	873.7	874.0	874.1	874.6	875.4	875.4	875.4	875.6	876.5
22.5°	871.7	870.7	869.6	869.7	869.8	869.6	870.1	870.4	870.9	871.3	872.4
25°	868.5	866.1	864.0	863.8	863.2	863.3	863.4	863.5	864.0	864.6	865.5
27.5°	868.8	865.6	862.2	861.0	859.9	859.2	858.9	858.3	858.8	859.4	860.3
30°	876.2	871.1	866.3	864.8	863.2	861.7	860.5	859.0	858.1	858.8	859.2
32.5°	889.3	884.2	879.4	877.1	874.7	872.1	869.8	868.3	866.3	865.7	865.5
35°	916.8	912.8	908.7	906.0	902.1	900.0	897.1	892.8	889.9	889.7	887.9
37.5°	963.5	961.6	958.5	955.7	954.4	949.0	945.6	943.4	940.0	942.1	938.5
40°	1030.6	1033.8	1036.7	1035.0	1035.4	1034.1	1032.0	1034.0	1031.5	1031.0	1031.6
42.5°	1116.5	1127.8	1135.7	1138.2	1144.7	1147.1	1151.8	1159.0	1157.6	1165.8	1167.3
45°	1215.9	1232.2	1248.1	1259.9	1272.8	1287.4	1302.0	1313.6	1322.6	1322.2	1332.1
47.5°	1317.4	1341.5	1362.6	1380.3	1403.5	1424.9	1448.6	1472.4	1489.6	1496.1	1498.2
50°	1420.3	1448.1	1476.8	1503.0	1534.3	1568.6	1605.7	1642.8	1661.4	1676.5	1686.7
52.5°	1528.0	1559.8	1590.5	1627.4	1666.0	1711.3	1757.6	1810.4	1838.5	1867.0	1882.2
55°	1630.4	1666.0	1697.7	1747.0	1794.2	1848.4	1908.8	1975.6	2024.4	2057.9	2087.5
57.5°	1723.5	1761.4	1800.3	1855.9	1916.3	1979.5	2056.2	2137.3	2190.2	2248.6	2301.0
60°	1814.4	1862.1	1906.8	1979.5	2051.3	2129.8	2225.3	2328.0	2410.0	2489.3	2549.8
62.5°	1935.0	1996.1	2051.7	2143.2	2236.9	2334.1	2447.7	2569.2	2688.0	2795.6	2877.0
65°	2113.1	2202.9	2286.2	2402.0	2520.4	2648.2	2783.9	2939.1	3081.7	3224.0	3340.7
67.5°	2248.4	2362.0	2468.9	2608.9	2748.4	2896.4	3060.5	3243.7	3420.2	3580.7	3722.8
69°	2221.9	2342.3	2458.1	2601.1	2746.0	2897.2	3062.6	3257.5	3441.0	3615.3	3767.8
70°	2141.0	2266.6	2386.6	2528.5	2675.3	2826.9	3000.0	3191.5	3379.2	3565.0	3718.9
72.5°	1774.4	1900.5	2016.9	2162.2	2310.0	2469.1	2633.1	2819.6	3020.0	3218.6	3353.6
75°	1272.2	1383.6	1496.6	1619.4	1763.5	1894.7	2044.8	2222.7	2391.2	2545.2	2648.5
77.5°	752.0	818.6	899.2	956.9	1040.7	1112.9	1189.2	1288.0	1339.9	1439.3	1464.8
80°	306.4	304.6	316.5	304.7	307.4	297.7	287.3	285.4	269.2	289.5	274.4
82.5°	194.6	181.0	166.6	146.5	128.8	110.3	93.3	79.1	76.5	76.8	76.1
85°	128.2	122.3	109.3	91.9	74.9	60.1	48.1	38.0	37.6	36.9	36.7
87.5°	23.3	21.6	17.7	15.1	12.7	9.5	6.7	5.0	4.7	4.7	5.6
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):

	84°	85°	86°	87°	88°	89°	90°
0°	758.7	758.7	758.7	758.7	758.7	758.7	758.7
2.5°	760.5	760.5	760.3	760.7	760.5	759.8	759.2
5°	770.4	769.5	770.2	770.8	769.8	770.0	769.6
7.5°	787.1	786.8	787.1	786.4	786.1	786.6	787.3
10°	810.4	809.9	809.7	810.4	810.0	809.5	809.8
12.5°	836.5	836.5	836.3	836.5	836.3	835.6	835.3
15°	859.6	860.1	860.1	859.6	859.4	859.2	859.4
17.5°	873.9	873.7	873.7	873.7	873.5	873.7	874.1
20°	877.6	876.9	876.9	877.4	876.9	877.4	877.6
22.5°	872.6	872.6	872.6	872.8	873.3	873.2	873.7
25°	866.3	866.3	866.3	866.8	866.8	867.0	867.2
27.5°	861.4	861.4	861.4	861.8	861.8	862.0	862.4
30°	859.9	859.9	859.7	859.9	860.1	860.1	860.3
32.5°	865.7	865.0	864.7	864.4	864.0	864.0	863.7
35°	886.2	884.5	884.7	883.4	883.8	882.8	881.9
37.5°	936.2	934.3	932.5	929.9	928.4	930.2	930.2
40°	1029.4	1030.5	1025.8	1024.5	1021.7	1023.6	1026.2
42.5°	1168.2	1169.5	1170.3	1163.2	1163.0	1161.5	1157.1
45°	1332.6	1329.5	1330.8	1327.6	1326.3	1321.5	1327.4
47.5°	1506.4	1508.5	1500.6	1498.1	1502.5	1494.8	1495.9
50°	1692.5	1692.9	1687.1	1685.8	1689.9	1675.2	1682.1
52.5°	1893.0	1893.8	1898.4	1892.9	1895.1	1891.7	1898.6
55°	2106.2	2122.4	2123.9	2129.7	2130.2	2137.3	2130.2
57.5°	2330.2	2348.6	2365.9	2389.4	2394.6	2391.7	2396.4
60°	2600.0	2648.3	2674.2	2711.1	2716.9	2732.9	2719.1
62.5°	2953.5	3028.5	3085.0	3113.6	3130.9	3164.4	3153.4
65°	3447.8	3537.0	3623.1	3664.0	3709.4	3757.0	3765.6
67.5°	3852.7	3951.8	4041.3	4112.4	4167.7	4202.6	4205.5
69°	3903.3	4008.7	4102.9	4182.0	4235.7	4271.7	4281.1
70°	3857.7	3965.5	4065.3	4140.7	4200.8	4237.2	4250.0
72.5°	3495.4	3623.7	3703.7	3780.5	3865.2	3876.3	3911.3
75°	2766.9	2882.1	2960.5	2980.8	3025.0	3080.8	3060.9
77.5°	1443.2	1493.3	1510.0	1474.4	1472.8	1505.4	1440.6
80°	274.8	275.3	270.7	269.0	272.2	269.0	264.5
82.5°	77.6	76.5	75.9	77.6	77.4	77.1	78.6
85°	35.9	34.7	33.1	33.0	34.0	32.7	33.3
87.5°	4.9	4.1	4.1	4.1	3.9	3.9	3.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)