

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: P180262

Luminaire Tested: **ICM-F01-LED-E1-RW-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180262
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-F01-LED-E1-RW-7030
Description: ICON SITE MEDIUM LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - RECTANGULAR WIDE
Light Source: (7) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2191.1 lumens
Efficiency: N/A
Efficacy: 84.6 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 1' x H: 0.1')
IES Classification: Type I - Short - Full Cutoff
BUG Rating: B1 - U0 - G1

Input Watts (W): 25.9
Input Voltage (V): NR
Input Current (A_{in}): 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

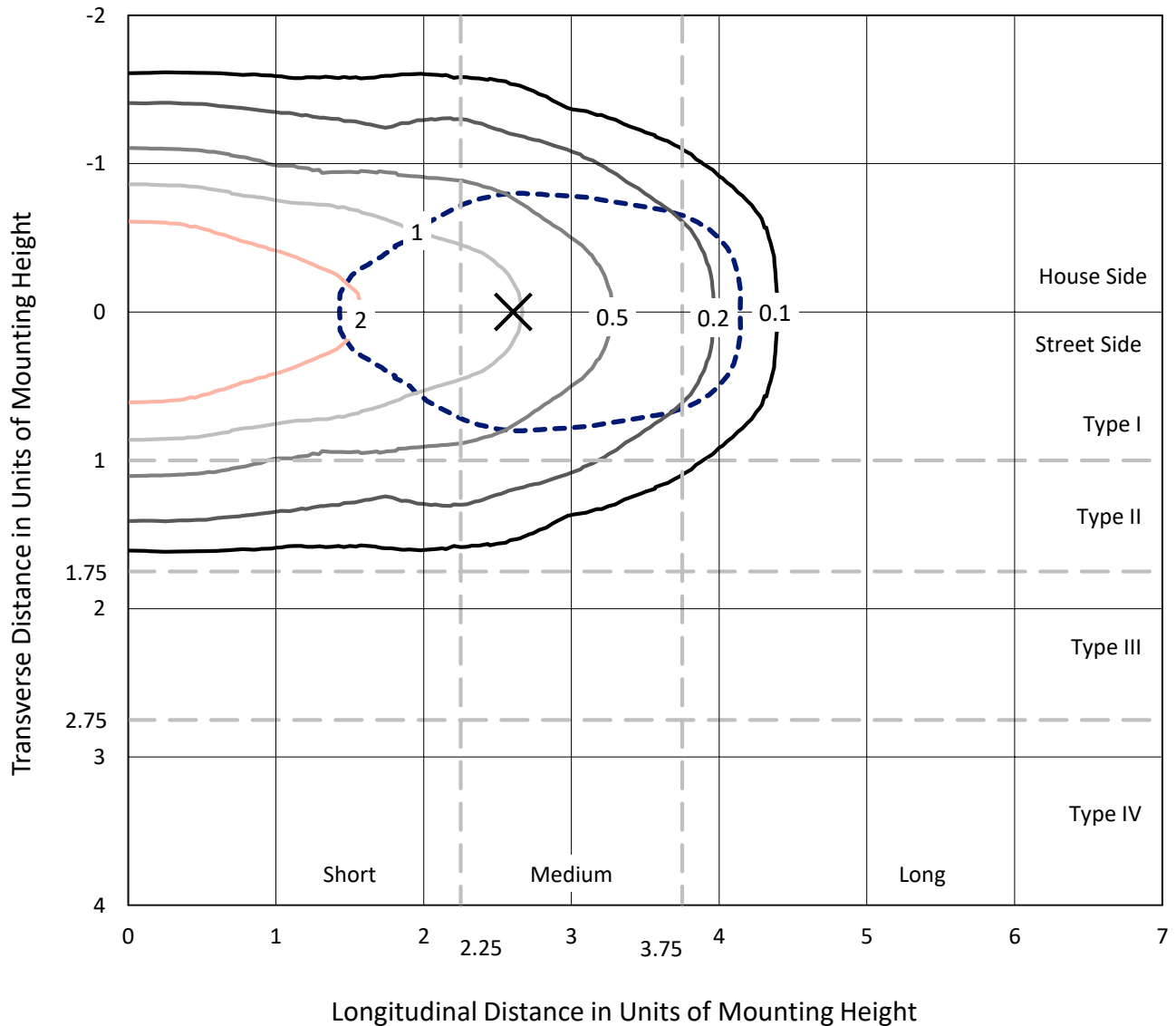


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Iso-Footcandle Lines of Horizontal Illumination

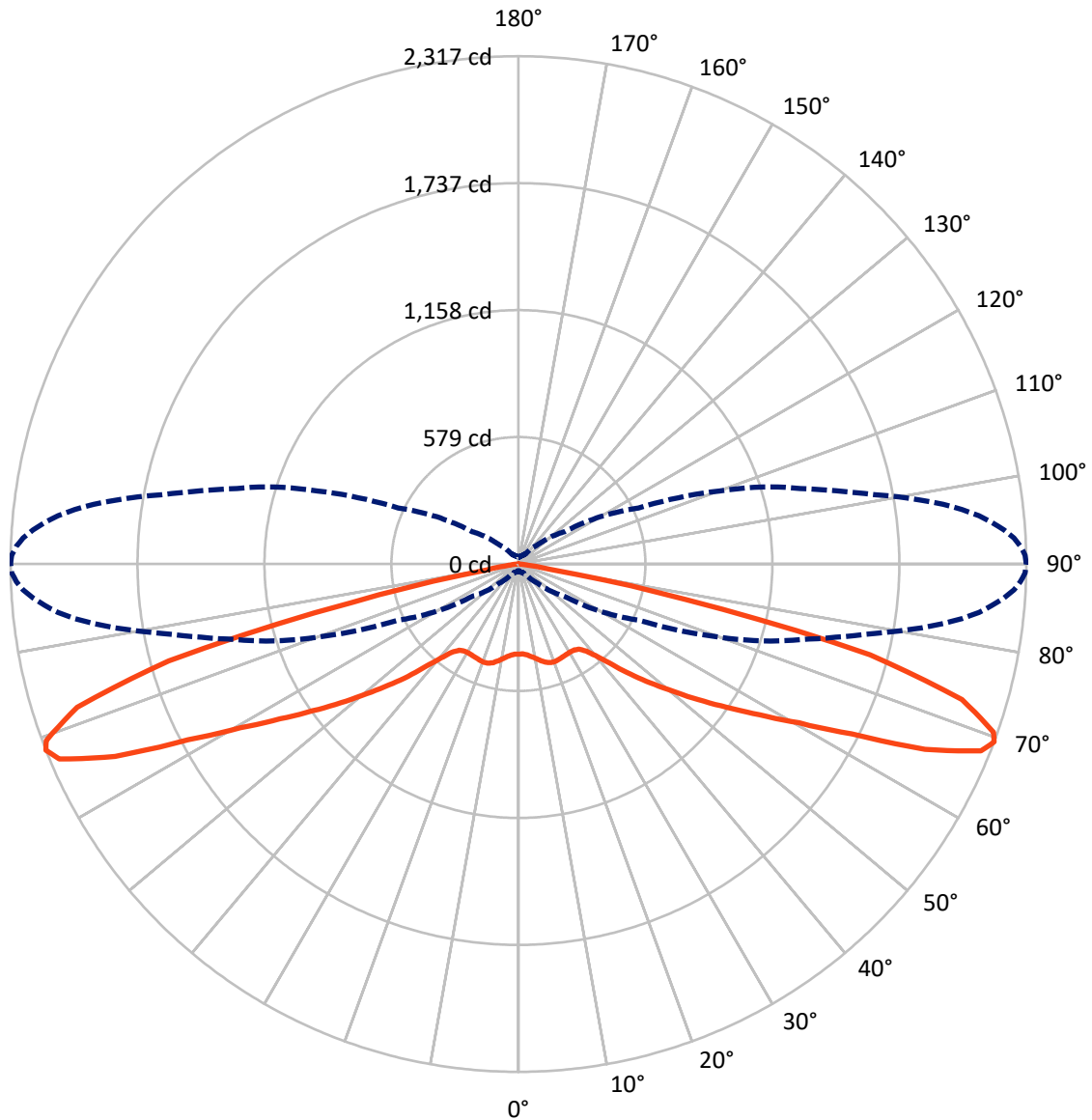
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.2 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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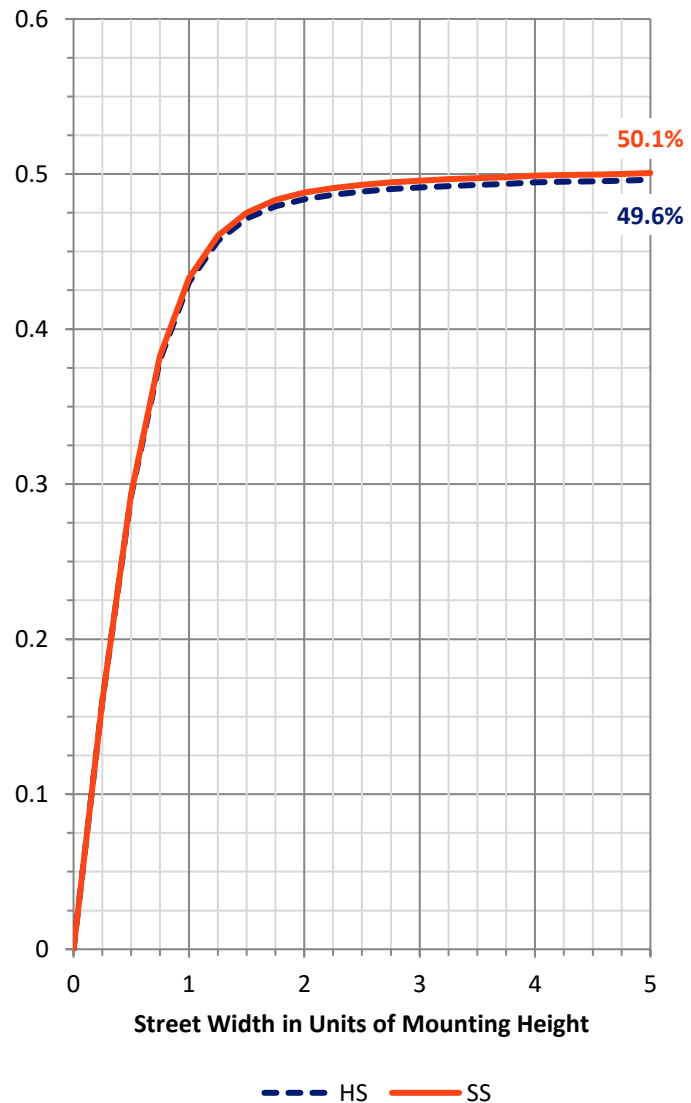
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1095.5	0.0	1095.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1095.5	0.0	1095.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	2191.1	0.0	2191.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.3	1.8
10°-20°	127.0	5.8
20°-30°	205.8	9.4
30°-40°	256.5	11.7
40°-50°	320.5	14.6
50°-60°	395.8	18.1
60°-70°	491.8	22.4
70°-80°	326.5	14.9
80°-90°	27.0	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°	2191.1	100.0
0°-180°	2191.1	100.0



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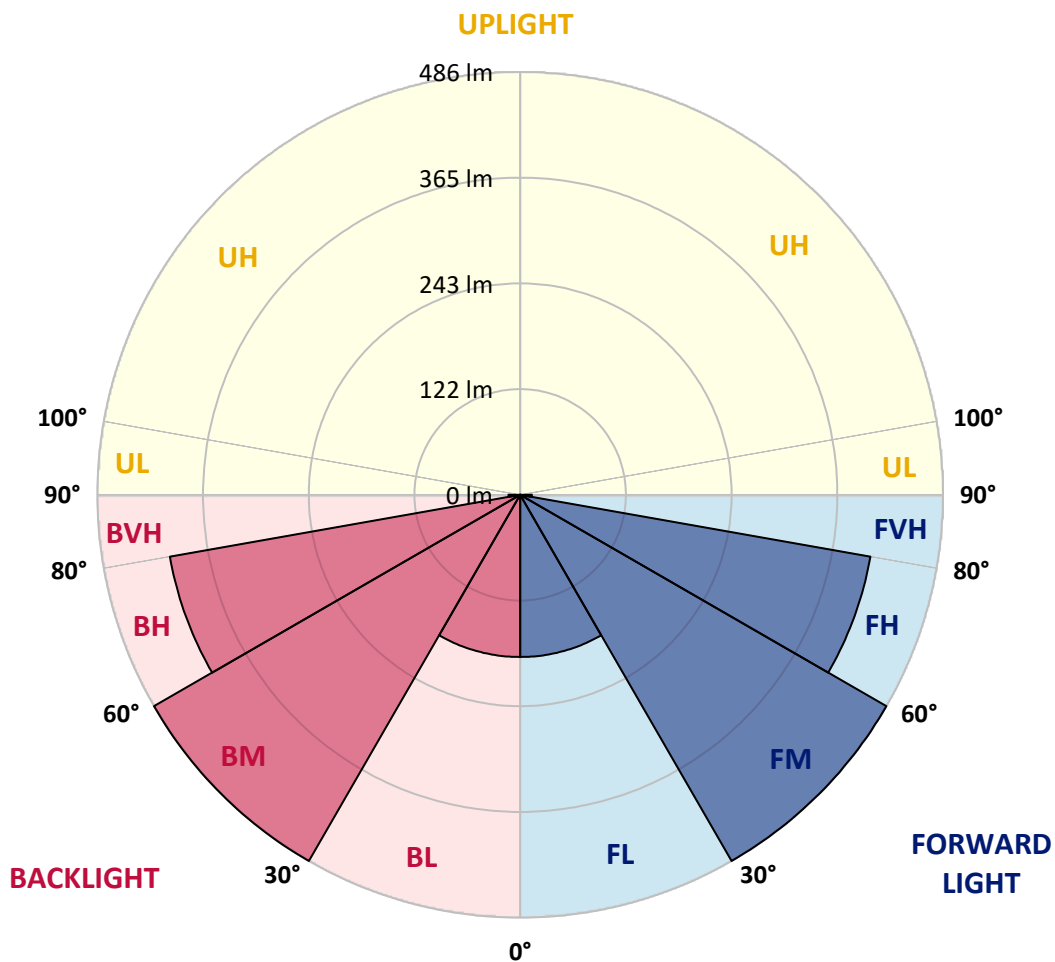
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	186.6	8.5			
FM (30°-60°)	486.4	22.2			
FH (60°-80°)	409.1	18.7			G0/660
FVH (80°-90°)	13.5	0.6			G1/100
BL (0°-30°)	186.6	8.5	B1/500		
BM (30°-60°)	486.4	22.2	B1/1000		
BH (60°-80°)	409.1	18.7	B1/500		G1/500
BVH (80°-90°)	13.5	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type I Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	71°	72°
0°	410.5	410.5	410.5	410.5	410.5	410.5	410.5	410.5	410.5	410.5	410.5
2.5°	412.5	412.8	412.6	413.0	412.8	412.8	412.7	412.2	411.9	411.7	411.7
5°	416.4	415.9	416.7	417.3	417.1	417.2	417.1	417.1	416.8	416.8	416.8
7.5°	420.7	420.5	421.0	422.9	423.1	423.8	424.6	425.1	425.3	425.4	425.3
10°	424.2	424.4	425.5	428.2	429.6	431.8	434.0	435.7	436.5	436.8	436.7
12.5°	427.2	427.4	429.0	433.2	436.7	440.8	445.6	448.3	449.5	449.7	449.9
15°	427.4	427.7	430.7	437.7	444.5	451.4	457.1	460.7	461.6	462.3	462.3
17.5°	424.4	424.6	429.8	439.9	451.3	462.0	467.9	469.6	470.0	470.1	470.0
20°	416.4	416.9	424.2	439.3	456.6	470.7	476.8	474.6	473.5	473.4	473.2
22.5°	403.5	403.4	412.8	433.2	457.7	477.4	483.0	477.0	473.7	472.9	472.5
25°	382.7	384.2	395.2	419.5	451.7	478.9	487.3	478.3	473.4	472.3	470.9
27.5°	360.2	360.9	372.8	398.9	437.8	473.7	489.3	480.9	475.4	473.9	472.3
30°	333.9	334.9	347.5	374.8	415.4	460.1	488.7	486.7	480.3	478.4	476.5
32.5°	308.1	309.3	320.7	350.5	392.0	441.5	485.2	495.1	488.4	486.3	484.3
35°	281.5	283.3	297.1	327.2	369.3	420.8	479.8	505.8	502.0	500.2	498.4
37.5°	259.4	259.7	273.0	304.7	348.3	401.1	472.7	519.1	521.9	521.9	522.0
40°	234.7	237.0	250.2	283.7	329.1	384.4	466.0	537.4	551.4	554.0	555.8
42.5°	212.7	212.8	226.4	260.9	308.5	371.0	462.2	559.4	589.2	594.6	600.2
45°	189.4	190.3	202.6	235.9	284.7	355.1	462.1	584.7	632.4	641.6	650.1
47.5°	167.4	167.8	180.7	211.7	257.3	332.8	461.3	612.0	676.8	690.4	701.4
50°	146.3	146.0	158.7	188.6	230.3	303.7	454.1	642.8	724.8	740.2	753.9
52.5°	122.2	123.9	137.1	165.6	205.8	274.0	433.3	676.7	774.7	792.5	809.6
55°	98.7	99.3	113.5	140.2	180.8	246.5	397.1	707.7	823.3	843.5	862.5
57.5°	72.7	74.8	87.3	113.5	155.5	223.3	351.1	723.9	864.6	887.8	910.3
60°	51.3	52.9	64.0	86.0	127.9	198.9	311.4	714.8	897.7	927.4	954.5
62.5°	40.0	41.3	50.0	64.4	99.7	174.4	283.0	685.8	934.5	973.2	1010.2
65°	35.1	36.3	44.3	51.5	74.5	149.6	267.4	655.0	983.8	1040.9	1092.6
67.5°	31.6	33.1	40.0	45.1	60.7	130.4	263.4	635.5	1008.0	1082.3	1151.9
69°	30.1	31.6	37.8	42.0	56.4	123.7	256.4	605.0	975.4	1054.8	1130.8
70°	29.2	30.3	36.1	40.6	54.9	119.0	244.7	566.9	930.6	1010.8	1090.2
72.5°	27.2	27.7	32.7	37.0	51.0	96.2	188.3	421.0	736.3	814.5	891.5
75°	24.0	24.7	29.4	33.5	39.8	59.7	119.1	260.5	495.7	554.0	625.6
77.5°	20.7	21.3	25.3	32.0	30.9	37.2	71.2	144.9	281.4	315.3	361.8
80°	16.6	17.3	20.9	31.8	25.5	29.0	51.2	101.4	138.1	148.3	159.4
82.5°	12.2	12.7	16.4	25.7	19.5	21.9	39.1	86.0	98.7	103.3	105.5
85°	6.1	6.3	10.4	15.6	12.4	11.3	22.0	58.8	67.0	68.1	69.9
87.5°	1.1	1.1	2.3	2.7	3.0	1.9	2.8	10.0	11.6	11.5	12.6
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°	410.5	410.5	410.5	410.5	410.5	410.5	410.5	410.5	410.5	410.5	410.5
2.5°	411.9	411.8	411.9	412.0	412.1	411.7	411.5	411.5	411.5	411.7	411.4
5°	416.9	416.8	416.9	417.2	417.1	416.8	416.7	416.8	416.6	416.4	416.6
7.5°	425.5	425.4	425.1	425.5	425.9	425.9	426.0	425.9	425.7	425.7	425.9
10°	437.2	437.1	437.2	437.6	437.9	438.0	438.2	438.0	437.8	438.0	438.0
12.5°	450.3	450.0	450.6	450.9	451.3	451.9	451.5	452.1	451.7	452.3	452.3
15°	462.7	462.9	463.4	463.6	463.7	464.3	464.4	464.7	464.2	464.4	465.3
17.5°	470.4	470.2	470.7	470.8	471.1	471.4	471.9	472.2	472.0	472.0	472.5
20°	473.0	472.7	472.7	472.9	472.9	473.2	473.7	473.7	473.7	473.9	474.2
22.5°	471.7	471.1	470.5	470.5	470.6	470.5	470.8	471.0	471.3	471.4	472.0
25°	470.0	468.6	467.4	467.4	467.1	467.1	467.3	467.3	467.4	467.8	468.3
27.5°	470.1	468.4	466.6	465.9	465.3	464.8	464.7	464.4	464.7	465.0	465.5
30°	474.1	471.4	468.8	468.0	467.1	466.2	465.6	464.7	464.4	464.7	464.9
32.5°	481.2	478.4	475.9	474.6	473.3	471.9	470.6	469.8	468.8	468.5	468.3
35°	496.1	494.0	491.7	490.2	488.0	487.0	485.4	483.2	481.5	481.4	480.4
37.5°	521.4	520.4	518.7	517.1	516.5	513.5	511.6	510.5	508.7	509.8	507.8
40°	557.6	559.4	560.8	560.0	560.3	559.4	558.3	559.4	558.1	557.9	558.1
42.5°	604.1	610.2	614.5	615.9	619.4	620.7	623.2	627.2	626.3	630.8	631.6
45°	658.0	666.7	675.3	681.7	688.7	696.6	704.5	710.7	715.6	715.4	720.7
47.5°	712.8	725.9	737.3	746.9	759.4	771.0	783.8	796.7	806.1	809.5	810.7
50°	768.5	783.5	799.1	813.2	830.1	848.7	868.8	888.9	899.0	907.2	912.7
52.5°	826.7	844.0	860.7	880.6	901.4	926.0	951.0	979.6	994.8	1010.2	1018.4
55°	882.2	901.4	918.6	945.2	970.9	1000.1	1032.9	1069.0	1095.4	1113.5	1129.5
57.5°	932.6	953.0	974.1	1004.2	1036.8	1071.1	1112.6	1156.5	1185.1	1216.7	1245.0
60°	981.8	1007.5	1031.8	1071.1	1110.0	1152.4	1204.1	1259.7	1304.0	1347.0	1379.7
62.5°	1047.0	1080.1	1110.1	1159.6	1210.4	1262.9	1324.4	1390.1	1454.5	1512.8	1556.8
65°	1143.4	1192.0	1237.0	1299.7	1363.8	1432.9	1506.3	1590.3	1667.4	1744.5	1807.6
67.5°	1216.6	1278.1	1335.9	1411.7	1487.1	1567.3	1655.9	1755.2	1850.6	1937.5	2014.4
69°	1202.2	1267.4	1330.1	1407.5	1485.9	1567.6	1657.2	1762.6	1861.9	1956.2	2038.7
70°	1158.5	1226.4	1291.4	1368.1	1447.6	1529.6	1623.3	1726.8	1828.5	1928.9	2012.3
72.5°	960.1	1028.4	1091.4	1170.0	1249.9	1336.0	1424.8	1525.6	1634.1	1741.6	1814.6
75°	688.4	748.7	809.7	876.2	954.2	1025.2	1106.4	1202.6	1293.8	1377.2	1433.1
77.5°	406.9	443.0	486.5	517.8	563.1	602.1	643.5	696.9	725.0	778.8	792.6
80°	165.8	164.8	171.3	164.8	166.3	161.0	155.4	154.4	145.7	156.7	148.5
82.5°	105.3	98.0	90.0	79.3	69.7	59.7	50.4	42.8	41.4	41.7	41.1
85°	69.4	66.2	59.2	49.7	40.6	32.6	26.0	20.7	20.4	20.0	19.9
87.5°	12.6	11.6	9.6	8.2	6.9	5.1	3.6	2.7	2.6	2.6	3.1
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°	410.5	410.5	410.5	410.5	410.5	410.5	410.5
2.5°	411.4	411.5	411.4	411.5	411.4	411.2	410.8
5°	416.8	416.4	416.7	417.1	416.6	416.7	416.4
7.5°	425.9	425.7	425.9	425.5	425.3	425.7	426.0
10°	438.5	438.2	438.1	438.5	438.3	438.0	438.1
12.5°	452.7	452.7	452.5	452.7	452.5	452.1	451.9
15°	465.1	465.3	465.4	465.1	465.0	464.9	465.0
17.5°	472.8	472.7	472.7	472.7	472.6	472.7	472.9
20°	474.8	474.4	474.4	474.8	474.5	474.8	474.9
22.5°	472.2	472.2	472.2	472.3	472.6	472.6	472.7
25°	468.7	468.7	468.7	469.0	469.0	469.1	469.2
27.5°	466.0	466.0	466.0	466.3	466.2	466.4	466.7
30°	465.3	465.3	465.1	465.3	465.3	465.4	465.5
32.5°	468.5	468.1	467.9	467.7	467.4	467.5	467.4
35°	479.5	478.6	478.7	478.0	478.2	477.7	477.2
37.5°	506.6	505.6	504.5	503.1	502.3	503.4	503.4
40°	557.0	557.6	555.1	554.3	552.8	553.9	555.3
42.5°	632.1	632.7	633.3	629.4	629.2	628.5	626.1
45°	721.0	719.4	720.1	718.3	717.6	715.1	718.2
47.5°	815.1	816.2	811.9	810.6	813.0	808.8	809.4
50°	915.7	916.0	912.9	912.2	914.4	906.4	910.1
52.5°	1024.3	1024.8	1027.2	1024.3	1025.5	1023.6	1027.3
55°	1139.6	1148.5	1149.2	1152.4	1152.7	1156.5	1152.7
57.5°	1260.8	1270.8	1280.2	1292.8	1295.7	1294.1	1296.7
60°	1406.9	1432.9	1447.0	1466.9	1470.1	1478.8	1471.3
62.5°	1598.1	1638.7	1669.3	1684.8	1694.1	1712.2	1706.2
65°	1865.6	1913.9	1960.4	1982.6	2007.2	2032.8	2037.6
67.5°	2084.7	2138.3	2186.7	2225.1	2255.1	2274.1	2275.5
69°	2112.0	2169.1	2220.1	2262.8	2291.9	2311.3	2316.5
70°	2087.4	2145.7	2199.6	2240.5	2272.9	2292.7	2299.6
72.5°	1891.4	1960.8	2004.0	2045.6	2091.5	2097.4	2116.3
75°	1497.1	1559.5	1601.9	1612.8	1636.8	1667.0	1656.2
77.5°	780.8	808.0	816.9	797.8	796.8	814.5	779.4
80°	148.7	148.9	146.5	145.5	147.3	145.5	143.1
82.5°	42.0	41.3	41.0	42.0	41.9	41.7	42.5
85°	19.4	18.8	17.9	17.9	18.4	17.7	18.0
87.5°	2.7	2.2	2.2	2.2	2.0	2.0	2.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)