

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: P180257

Luminaire Tested: **ICM-E01-LED-E1-RW-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180257
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-E01-LED-E1-RW-7030
Description: ICON SITE MEDIUM LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - RECTANGULAR WIDE
Light Source: (21) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2654.2 lumens
Efficiency: N/A
Efficacy: 107.5 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

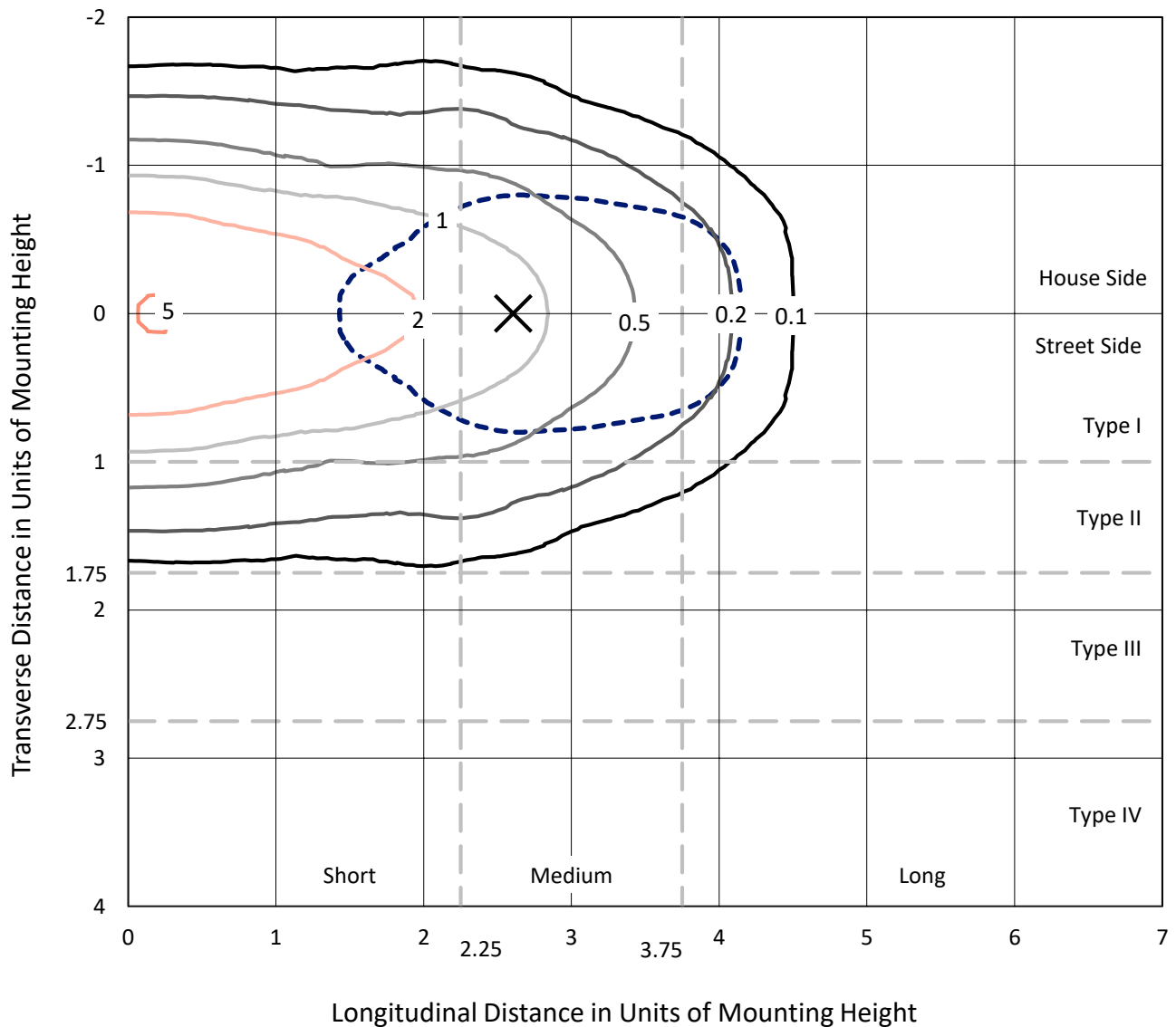
Input Watts (W): 24.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

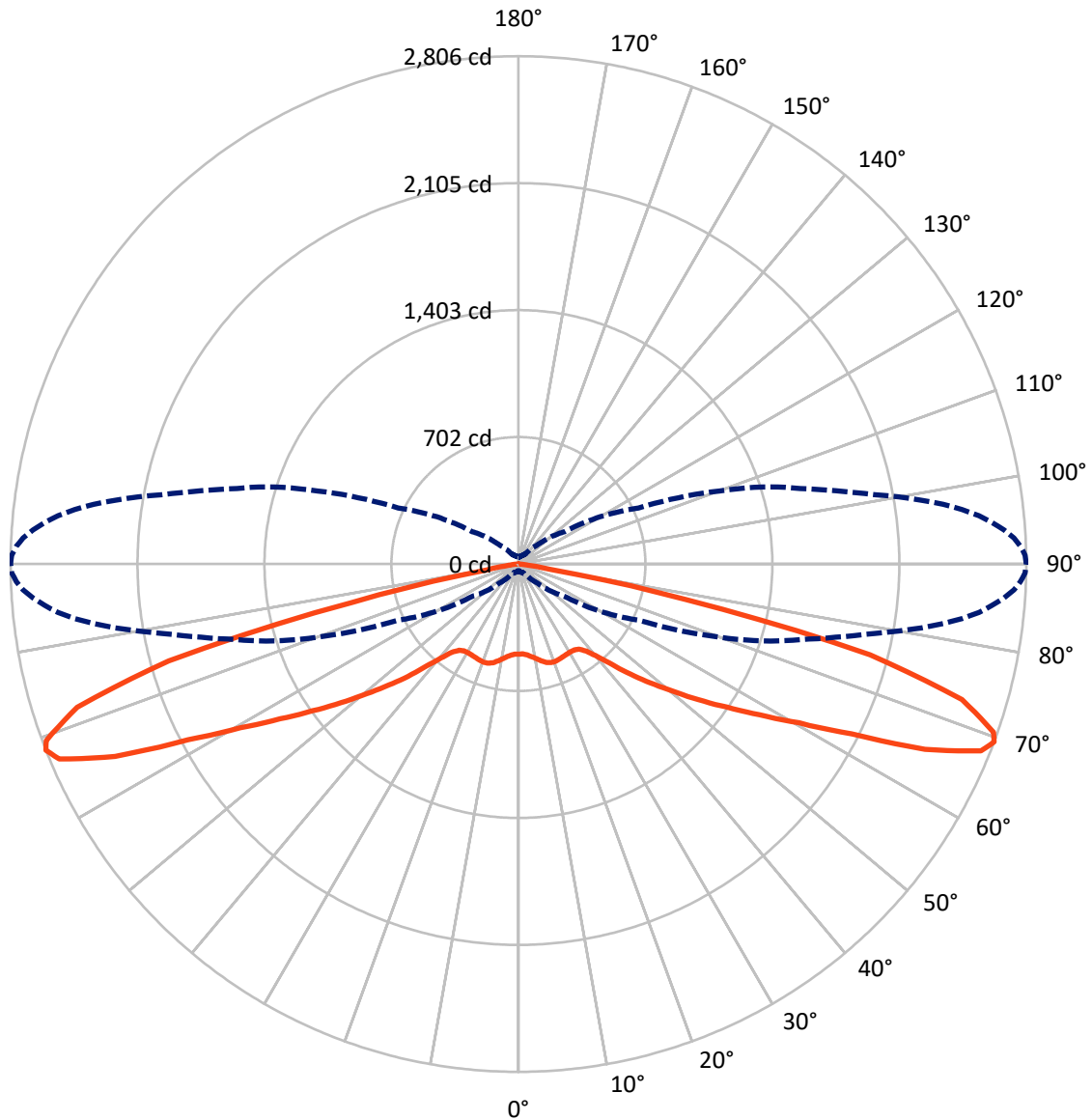
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.1 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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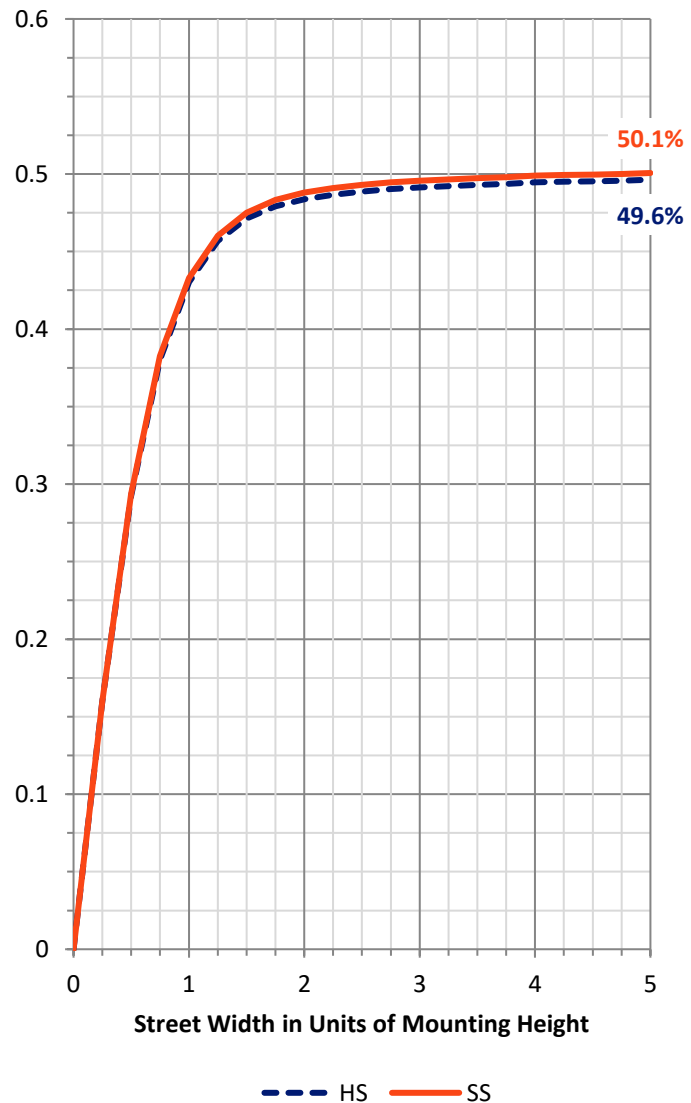
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1327.1	0.0	1327.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1327.1	0.0	1327.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	2654.2	0.0	2654.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.8	1.8
10°-20°	153.9	5.8
20°-30°	249.3	9.4
30°-40°	310.7	11.7
40°-50°	388.3	14.6
50°-60°	479.4	18.1
60°-70°	595.7	22.4
70°-80°	395.5	14.9
80°-90°	32.6	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°	2654.2	100.0
0°-180°	2654.2	100.0



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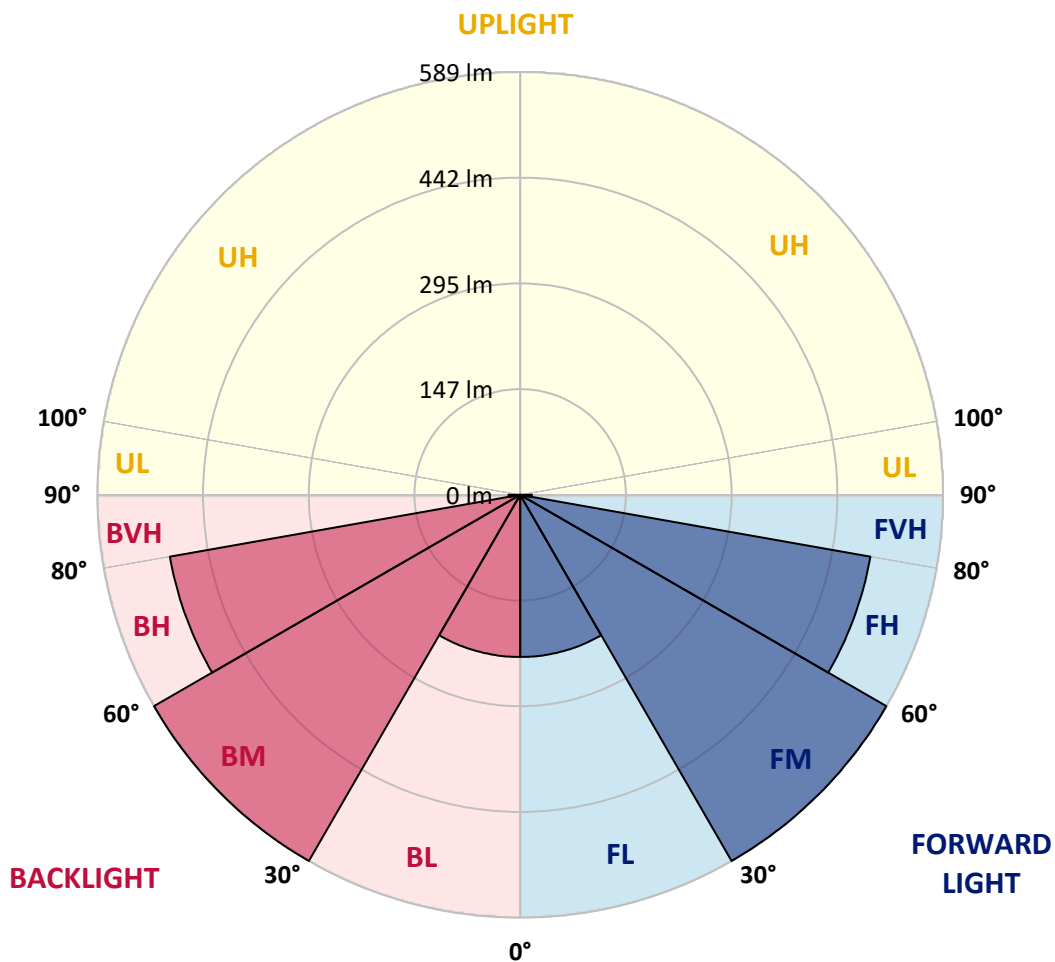
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	226.0	8.5			
FM (30°-60°)	589.2	22.2			
FH (60°-80°)	495.6	18.7			G0/660
FVH (80°-90°)	16.3	0.6			G1/100
BL (0°-30°)	226.0	8.5	B1/500		
BM (30°-60°)	589.2	22.2	B1/1000		
BH (60°-80°)	495.6	18.7	B1/500		G1/500
BVH (80°-90°)	16.3	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°	497.3	497.3	497.3	497.3	497.3	497.3	497.3	497.3	497.3	497.3	497.3
2.5°	499.5	500.0	499.7	500.3	500.1	500.2	499.8	499.4	499.0	498.7	498.8
5°	504.4	503.8	504.7	505.5	505.3	505.4	505.3	505.2	504.9	504.9	504.9
7.5°	509.5	509.4	510.0	512.2	512.5	513.3	514.2	515.0	515.2	515.4	515.2
10°	513.9	514.0	515.4	518.7	520.4	523.1	525.8	527.9	528.7	529.1	529.1
12.5°	517.4	517.6	519.7	524.8	528.9	534.0	539.7	543.1	544.5	544.7	545.0
15°	517.7	518.1	521.9	530.2	538.4	546.8	553.7	558.1	559.3	560.0	560.1
17.5°	514.0	514.3	520.6	532.8	546.6	559.6	566.9	568.8	569.2	569.5	569.4
20°	504.4	505.1	513.9	532.1	553.1	570.0	577.7	574.9	573.6	573.4	573.3
22.5°	488.8	488.7	500.2	524.7	554.4	578.3	584.9	577.9	573.7	572.8	572.3
25°	463.6	465.3	478.7	508.3	547.2	580.2	590.1	579.4	573.4	572.1	570.4
27.5°	436.3	437.2	451.5	483.2	530.2	573.8	592.7	582.5	575.8	574.0	572.1
30°	404.5	405.7	421.0	454.0	503.3	557.4	592.0	589.6	581.8	579.5	577.1
32.5°	373.2	374.7	388.5	424.6	474.8	534.9	587.7	599.7	591.6	589.1	586.7
35°	341.0	343.1	359.8	396.4	447.4	509.8	581.2	612.6	608.1	606.0	603.7
37.5°	314.2	314.6	330.8	369.1	421.9	485.9	572.7	628.8	632.1	632.2	632.4
40°	284.3	287.1	303.2	343.7	398.7	465.7	564.5	651.0	667.9	671.0	673.4
42.5°	257.6	257.9	274.2	316.1	373.8	449.3	559.9	677.6	713.8	720.4	727.0
45°	229.4	230.5	245.4	285.8	344.8	430.0	559.8	708.3	766.1	777.2	787.4
47.5°	202.8	203.2	219.0	256.5	311.6	403.2	558.8	741.3	820.0	836.3	849.7
50°	177.3	176.9	192.3	228.5	279.0	367.9	550.1	778.7	878.1	896.7	913.2
52.5°	148.1	150.1	166.0	200.7	249.3	332.1	524.9	819.5	938.4	959.9	980.7
55°	119.5	120.4	137.5	169.8	219.1	298.6	481.0	857.3	997.3	1021.8	1044.8
57.5°	88.1	90.6	105.7	137.5	188.5	270.5	425.3	876.8	1047.3	1075.4	1102.8
60°	62.1	64.1	77.5	104.2	154.9	240.8	377.2	865.9	1087.4	1123.4	1156.3
62.5°	48.4	50.0	60.7	78.0	120.7	211.3	342.8	830.7	1132.0	1178.9	1223.7
65°	42.5	43.9	53.5	62.4	90.2	181.1	324.0	793.4	1191.7	1260.9	1323.4
67.5°	38.3	40.1	48.5	54.7	73.5	158.0	319.1	769.9	1221.0	1311.1	1395.4
69°	36.6	38.2	45.8	51.0	68.3	149.9	310.5	732.9	1181.5	1277.8	1369.8
70°	35.4	36.8	43.7	49.1	66.6	144.2	296.4	686.8	1127.3	1224.5	1320.7
72.5°	32.8	33.5	39.6	44.8	61.8	116.6	227.9	510.0	891.9	986.7	1080.0
75°	29.0	30.0	35.5	40.7	48.2	72.4	144.3	315.5	600.6	671.2	757.8
77.5°	25.1	25.8	30.7	38.8	37.4	45.2	86.2	175.6	340.9	382.0	438.2
80°	20.1	20.9	25.3	38.5	30.9	35.2	62.0	122.8	167.3	179.6	193.1
82.5°	14.7	15.4	19.8	31.1	23.7	26.4	47.3	104.1	119.5	125.1	127.8
85°	7.4	7.6	12.7	19.0	15.1	13.8	26.6	71.3	81.1	82.5	84.7
87.5°	1.3	1.3	2.8	3.3	3.7	2.2	3.3	12.2	14.1	14.0	15.2
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°	497.3	497.3	497.3	497.3	497.3	497.3	497.3	497.3	497.3	497.3	497.3
2.5°	499.0	498.9	499.0	499.1	499.3	498.7	498.6	498.4	498.4	498.8	498.4
5°	505.0	505.0	505.1	505.3	505.3	504.9	504.9	504.9	504.6	504.4	504.7
7.5°	515.4	515.4	515.0	515.4	515.8	515.8	516.2	515.9	515.7	515.5	515.9
10°	529.6	529.5	529.6	530.0	530.4	530.5	530.8	530.4	530.3	530.6	530.6
12.5°	545.5	545.2	545.9	546.2	546.6	547.4	547.0	547.5	547.2	547.9	547.9
15°	560.6	560.7	561.3	561.6	561.7	562.4	562.5	562.9	562.3	562.5	563.5
17.5°	569.8	569.7	570.0	570.3	570.7	571.1	571.7	572.1	571.8	571.8	572.4
20°	573.0	572.6	572.7	572.8	572.9	573.2	573.7	573.8	573.8	574.0	574.5
22.5°	571.4	570.7	570.0	570.0	570.0	570.0	570.3	570.5	570.8	571.1	571.7
25°	569.2	567.6	566.3	566.1	565.8	565.8	566.0	566.0	566.3	566.7	567.3
27.5°	569.5	567.3	565.2	564.4	563.6	563.1	563.0	562.6	562.9	563.4	563.9
30°	574.3	571.0	567.8	566.9	565.8	564.8	564.0	563.0	562.4	562.9	563.2
32.5°	582.9	579.5	576.5	575.0	573.4	571.6	570.0	569.1	567.8	567.4	567.3
35°	601.0	598.3	595.5	593.9	591.3	590.0	588.0	585.3	583.3	583.1	582.0
37.5°	631.5	630.3	628.3	626.4	625.6	622.1	619.8	618.4	616.1	617.5	615.1
40°	675.4	677.6	679.4	678.3	678.7	677.8	676.4	677.8	676.1	675.7	676.2
42.5°	731.7	739.3	744.4	746.1	750.2	751.9	755.0	759.7	758.7	764.1	765.0
45°	797.0	807.7	818.1	825.8	834.2	843.8	853.4	860.9	866.9	866.6	873.1
47.5°	863.5	879.4	893.1	904.7	919.9	934.0	949.4	965.0	976.4	980.7	982.1
50°	930.9	949.1	968.0	985.1	1005.7	1028.1	1052.5	1076.8	1088.9	1098.8	1105.5
52.5°	1001.5	1022.3	1042.5	1066.7	1091.9	1121.6	1152.0	1186.6	1205.0	1223.8	1233.7
55°	1068.7	1092.0	1112.8	1145.0	1176.1	1211.4	1251.2	1295.0	1326.9	1348.8	1368.2
57.5°	1129.7	1154.5	1180.0	1216.5	1256.0	1297.4	1347.7	1400.8	1435.5	1473.9	1508.3
60°	1189.3	1220.5	1249.9	1297.4	1344.5	1396.0	1458.6	1526.0	1579.6	1631.6	1671.3
62.5°	1268.3	1308.4	1344.8	1404.8	1466.2	1529.9	1604.4	1683.9	1761.9	1832.4	1885.8
65°	1385.0	1443.8	1498.4	1574.4	1652.0	1735.7	1824.7	1926.3	2019.9	2113.1	2189.6
67.5°	1473.7	1548.2	1618.2	1710.1	1801.4	1898.4	2006.0	2126.1	2241.8	2347.0	2440.2
69°	1456.3	1535.3	1611.2	1704.9	1799.9	1899.0	2007.5	2135.1	2255.4	2369.6	2469.6
70°	1403.4	1485.7	1564.3	1657.3	1753.5	1852.9	1966.4	2091.7	2214.9	2336.6	2437.6
72.5°	1163.1	1245.7	1322.1	1417.2	1514.1	1618.4	1725.9	1848.1	1979.5	2109.6	2198.2
75°	833.9	906.9	980.9	1061.4	1155.9	1242.0	1340.3	1456.8	1567.3	1668.3	1736.0
77.5°	492.9	536.6	589.4	627.3	682.1	729.4	779.4	844.3	878.2	943.4	960.1
80°	200.8	199.6	207.4	199.7	201.4	195.1	188.3	187.1	176.4	189.8	179.9
82.5°	127.5	118.6	109.2	96.0	84.5	72.3	61.1	51.8	50.0	50.4	49.9
85°	84.0	80.2	71.7	60.3	49.1	39.4	31.5	24.9	24.6	24.2	24.1
87.5°	15.2	14.1	11.5	9.9	8.4	6.2	4.4	3.3	3.2	3.2	3.7
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°	497.3	497.3	497.3	497.3	497.3	497.3	497.3
2.5°	498.4	498.4	498.3	498.6	498.4	498.0	497.6
5°	504.9	504.4	504.7	505.2	504.6	504.7	504.4
7.5°	515.9	515.7	515.9	515.4	515.2	515.5	516.0
10°	531.2	530.9	530.8	531.2	530.9	530.6	530.7
12.5°	548.3	548.3	548.1	548.3	548.1	547.7	547.4
15°	563.4	563.7	563.7	563.4	563.4	563.2	563.4
17.5°	572.8	572.7	572.7	572.7	572.5	572.7	572.9
20°	575.3	574.8	574.8	575.1	574.7	575.1	575.2
22.5°	571.9	571.9	571.9	572.1	572.4	572.4	572.7
25°	567.8	567.8	567.8	568.2	568.2	568.2	568.4
27.5°	564.7	564.7	564.7	564.8	564.8	565.0	565.3
30°	563.5	563.6	563.5	563.5	563.7	563.7	563.9
32.5°	567.4	567.1	566.8	566.5	566.2	566.3	566.1
35°	580.8	579.7	579.9	579.0	579.4	578.6	578.1
37.5°	613.6	612.5	611.2	609.5	608.5	609.8	609.8
40°	674.8	675.4	672.4	671.4	669.6	670.9	672.7
42.5°	765.7	766.5	767.1	762.4	762.2	761.3	758.4
45°	873.4	871.4	872.3	870.1	869.3	866.2	870.1
47.5°	987.4	988.7	983.6	982.0	984.9	979.7	980.5
50°	1109.3	1109.6	1105.9	1104.9	1107.6	1098.1	1102.5
52.5°	1240.8	1241.3	1244.3	1240.8	1242.1	1239.8	1244.5
55°	1380.5	1391.1	1392.1	1395.9	1396.2	1400.8	1396.2
57.5°	1527.4	1539.4	1550.7	1566.1	1569.5	1567.7	1570.7
60°	1704.2	1735.8	1752.8	1777.0	1780.8	1791.3	1782.2
62.5°	1935.8	1985.0	2022.2	2040.8	2052.1	2074.1	2066.9
65°	2259.9	2318.3	2374.7	2401.7	2431.4	2462.5	2468.2
67.5°	2525.2	2590.2	2648.9	2695.5	2731.6	2754.6	2756.5
69°	2558.3	2627.6	2689.2	2741.0	2776.3	2799.8	2806.1
70°	2528.5	2599.2	2664.6	2714.1	2753.4	2777.3	2785.7
72.5°	2291.0	2375.2	2427.5	2478.0	2533.5	2540.7	2563.6
75°	1813.6	1888.9	1940.5	1953.7	1982.7	2019.4	2006.2
77.5°	946.0	978.8	989.7	966.5	965.4	986.8	944.2
80°	180.1	180.4	177.4	176.3	178.4	176.3	173.3
82.5°	50.8	50.1	49.7	50.8	50.7	50.6	51.5
85°	23.5	22.8	21.7	21.6	22.2	21.4	21.8
87.5°	3.3	2.6	2.6	2.6	2.5	2.5	2.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)