

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: P180317

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

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180317
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-E01-LED-E1-RW-7030
Description: ICON SITE SMALL 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: 2568.1 lumens
Efficiency: N/A
Efficacy: 104.0 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



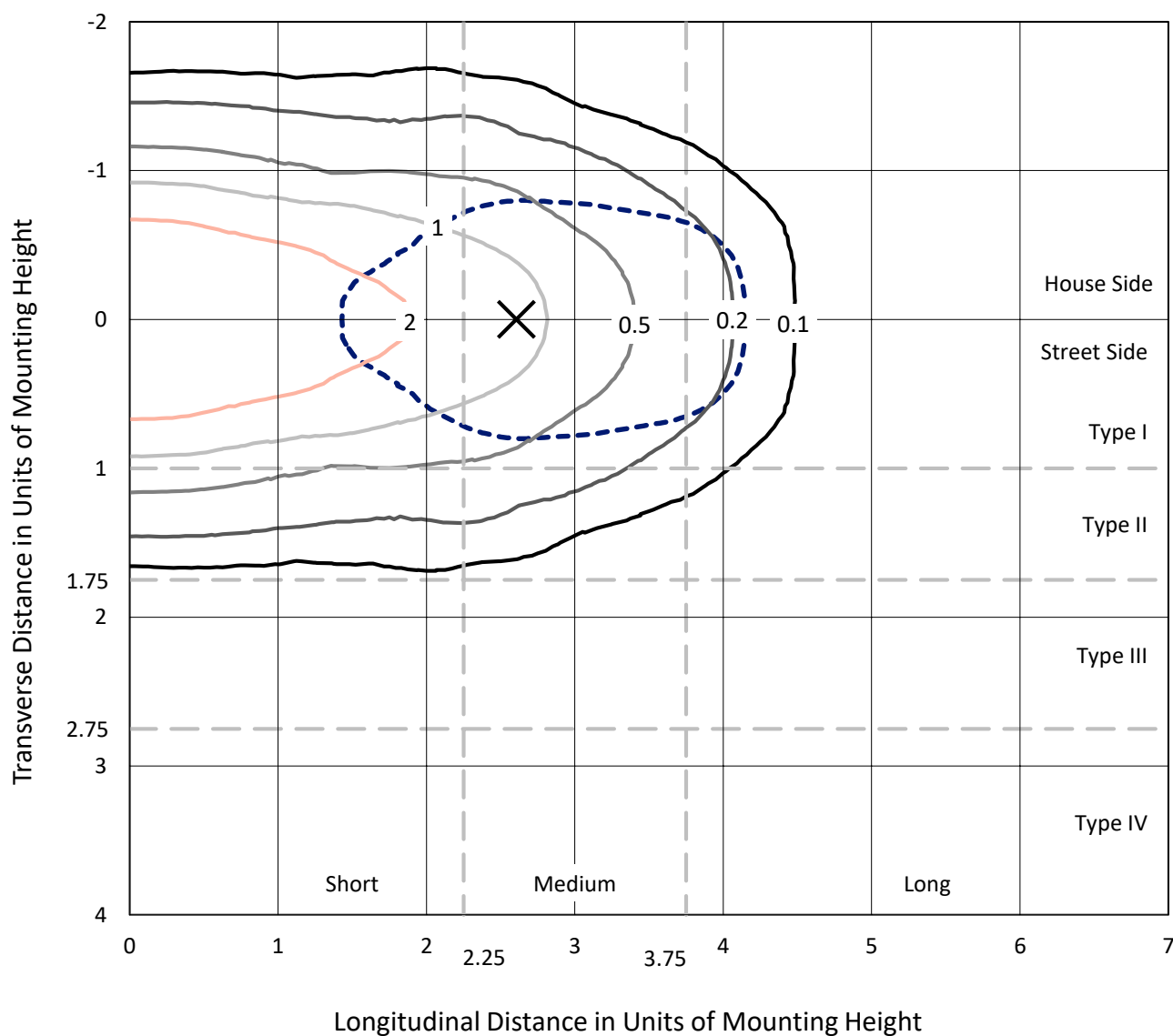
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

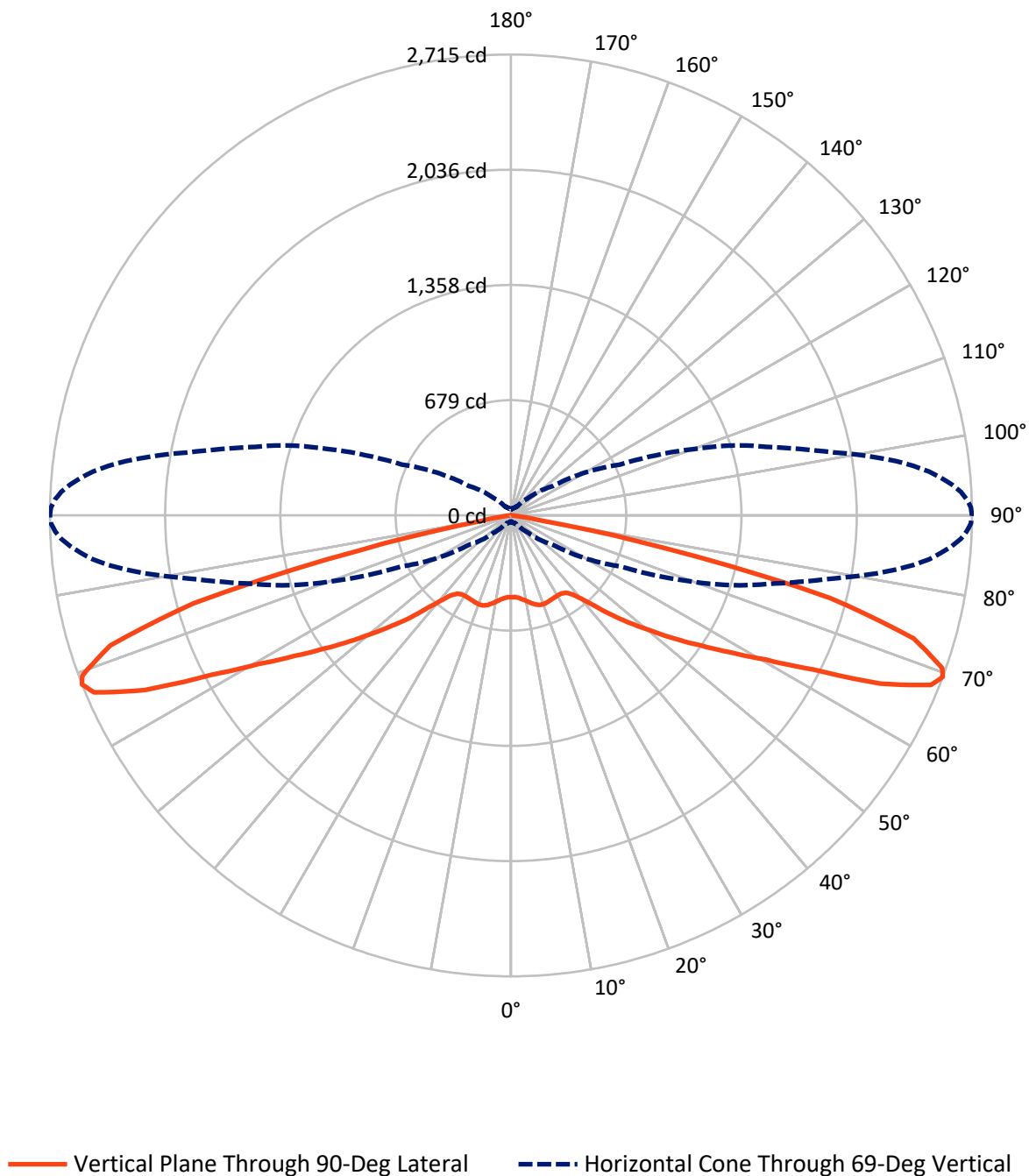


Based on 10 foot mounting height. Maximum calculated value = 4.9 fc
 Type I - Short - Full Cutoff

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Luminous Intensity Polar Plot



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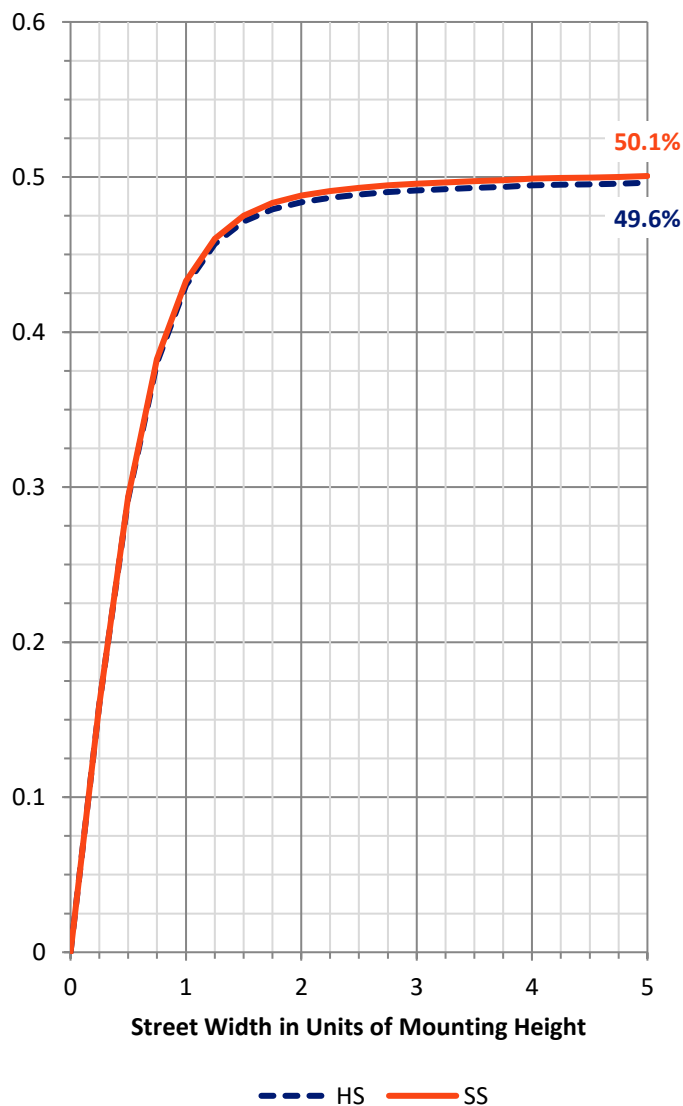
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1284.0	0.0	1284.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1284.0	0.0	1284.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	2568.1	0.0	2568.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.2	1.8
10°-20°	148.9	5.8
20°-30°	241.2	9.4
30°-40°	300.6	11.7
40°-50°	375.7	14.6
50°-60°	463.9	18.1
60°-70°	576.4	22.4
70°-80°	382.6	14.9
80°-90°	31.6	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°	2568.1	100.0
0°-180°	2568.1	100.0

Coefficient of Utilization



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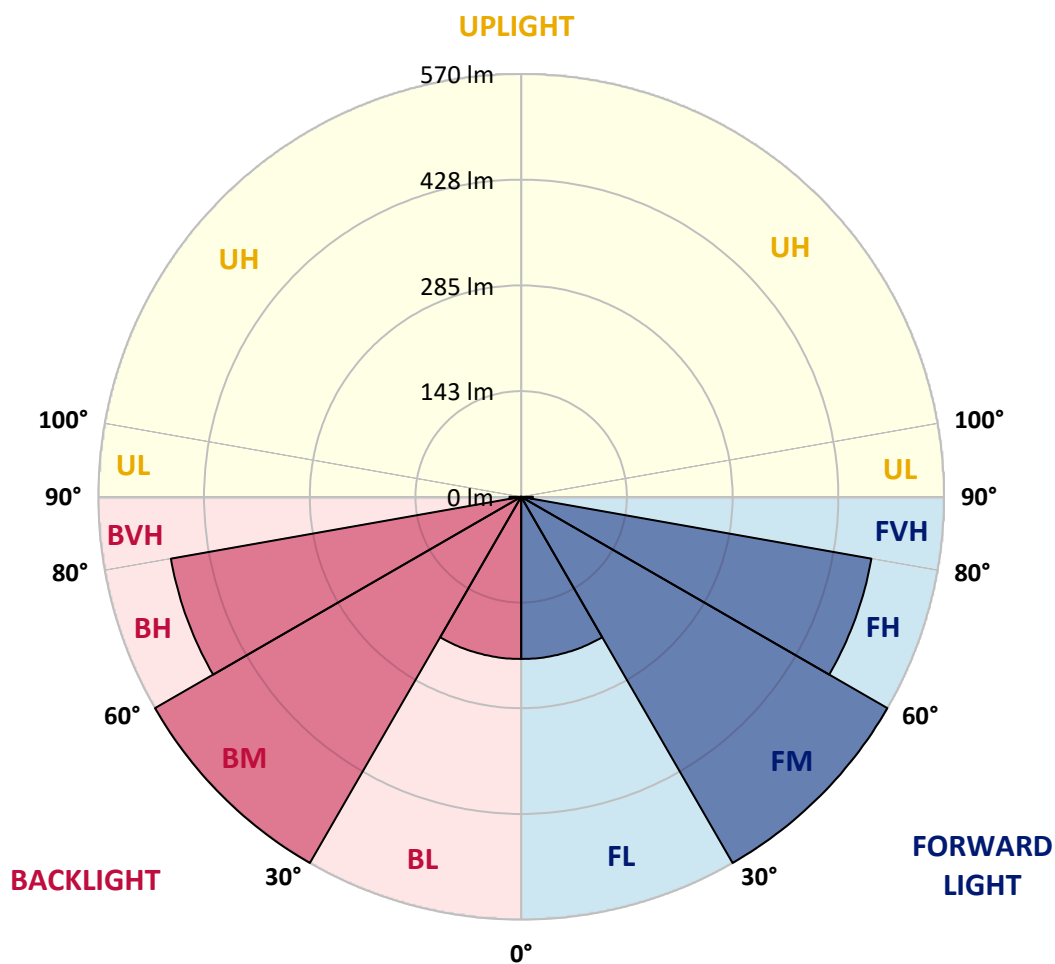
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	218.7	8.5			
FM	(30°-60°)	570.1	22.2			
FH	(60°-80°)	479.5	18.7			G0/660
FVH	(80°-90°)	15.8	0.6			G1/100
BL	(0°-30°)	218.7	8.5	B1/500		
BM	(30°-60°)	570.1	22.2	B1/1000		
BH	(60°-80°)	479.5	18.7	B1/500		G1/500
BVH	(80°-90°)	15.8	0.6			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: 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°	481.2	481.2	481.2	481.2	481.2	481.2	481.2	481.2	481.2	481.2	481.2
2.5°	483.4	483.8	483.5	484.0	484.0	483.9	483.6	483.1	482.8	482.5	482.6
5°	488.0	487.5	488.3	489.1	488.8	489.0	488.8	488.8	488.6	488.6	488.5
7.5°	493.0	492.8	493.4	495.6	495.8	496.6	497.6	498.3	498.4	498.6	498.4
10°	497.2	497.3	498.7	501.9	503.5	506.1	508.7	510.8	511.5	512.0	511.9
12.5°	500.6	500.8	502.8	507.8	511.8	516.7	522.2	525.4	526.8	527.0	527.3
15°	500.9	501.3	504.9	513.0	521.0	529.0	535.7	540.0	541.0	541.8	541.9
17.5°	497.4	497.6	503.6	515.6	528.8	541.4	548.4	550.4	550.8	551.0	550.9
20°	488.0	488.8	497.2	514.9	535.2	551.6	558.8	556.2	555.0	554.8	554.7
22.5°	473.0	472.8	483.9	507.8	536.4	559.6	566.0	559.1	555.1	554.2	553.7
25°	448.6	450.2	463.2	491.8	529.4	561.3	571.0	560.6	554.8	553.5	551.9
27.5°	422.2	423.0	436.9	467.4	513.1	555.2	573.5	563.6	557.2	555.4	553.5
30°	391.3	392.5	407.4	439.2	486.9	539.3	572.8	570.6	562.9	560.7	558.4
32.5°	361.2	362.6	375.8	410.8	459.4	517.5	568.7	580.2	572.4	570.0	567.6
35°	329.9	332.0	348.2	383.5	432.8	493.2	562.4	592.7	588.4	586.3	584.2
37.5°	304.0	304.5	320.0	357.2	408.2	470.1	554.0	608.5	611.6	611.6	611.9
40°	275.1	277.8	293.4	332.6	385.8	450.5	546.1	629.8	646.2	649.2	651.5
42.5°	249.2	249.5	265.4	305.8	361.5	434.8	541.8	655.6	690.6	697.0	703.4
45°	222.0	223.0	237.4	276.5	333.6	416.1	541.6	685.3	741.2	752.0	761.9
47.5°	196.2	196.6	211.8	248.1	301.6	390.0	540.7	717.2	793.4	809.2	822.2
50°	171.5	171.2	186.0	221.0	269.9	356.0	532.3	753.4	849.6	867.5	883.5
52.5°	143.3	145.2	160.8	194.2	241.1	321.3	507.9	793.0	908.0	928.8	948.8
55°	115.6	116.5	133.0	164.2	212.0	289.0	465.4	829.4	965.0	988.6	1010.9
57.5°	85.2	87.7	102.2	133.0	182.4	261.7	411.4	848.4	1013.3	1040.6	1067.0
60°	60.2	62.0	74.9	100.8	149.9	233.0	365.0	837.8	1052.1	1086.9	1118.7
62.5°	46.8	48.4	58.6	75.5	116.9	204.4	331.8	803.7	1095.3	1140.7	1184.1
65°	41.1	42.4	51.8	60.4	87.2	175.2	313.5	767.7	1153.1	1220.0	1280.5
67.5°	37.2	38.8	46.9	52.9	71.1	152.9	308.6	744.9	1181.4	1268.6	1350.1
69°	35.4	37.0	44.2	49.3	66.1	145.0	300.5	709.2	1143.2	1236.3	1325.4
70°	34.2	35.6	42.3	47.6	64.4	139.5	286.8	664.5	1090.7	1184.7	1277.8
72.5°	31.8	32.5	38.4	43.4	59.8	112.8	220.6	493.6	863.0	954.7	1045.0
75°	28.1	28.9	34.4	39.3	46.6	70.0	139.6	305.2	581.1	649.4	733.2
77.5°	24.2	25.0	29.8	37.6	36.2	43.7	83.4	169.9	329.8	369.5	424.0
80°	19.5	20.2	24.5	37.3	29.9	34.0	60.0	118.8	162.0	173.8	186.9
82.5°	14.2	15.0	19.2	30.2	22.8	25.6	45.8	100.7	115.7	121.0	123.7
85°	7.2	7.4	12.2	18.4	14.6	13.3	25.8	68.9	78.5	79.9	81.9
87.5°	1.2	1.2	2.8	3.2	3.6	2.2	3.3	11.8	13.6	13.5	14.7
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):

	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°	83°
0°	481.2	481.2	481.2	481.2	481.2	481.2	481.2	481.2	481.2	481.2	481.2
2.5°	482.8	482.7	482.8	482.9	483.0	482.5	482.4	482.2	482.2	482.6	482.3
5°	488.6	488.6	488.7	488.9	488.9	488.5	488.5	488.6	488.2	488.0	488.3
7.5°	498.7	498.6	498.4	498.8	499.1	499.1	499.4	499.2	499.0	498.8	499.2
10°	512.4	512.3	512.4	512.9	513.2	513.3	513.6	513.2	513.1	513.4	513.4
12.5°	527.8	527.5	528.2	528.5	528.8	529.7	529.3	529.8	529.4	530.1	530.0
15°	542.3	542.5	543.1	543.3	543.5	544.1	544.2	544.6	544.0	544.2	545.3
17.5°	551.4	551.2	551.6	551.8	552.2	552.5	553.2	553.6	553.2	553.2	553.8
20°	554.4	553.9	554.0	554.2	554.3	554.6	555.1	555.2	555.2	555.3	555.8
22.5°	552.8	552.2	551.4	551.5	551.6	551.5	551.8	552.0	552.2	552.6	553.2
25°	550.8	549.2	547.9	547.8	547.4	547.4	547.6	547.7	547.9	548.3	548.9
27.5°	551.0	548.9	546.8	546.0	545.4	544.8	544.7	544.3	544.7	545.0	545.6
30°	555.7	552.4	549.4	548.5	547.4	546.5	545.7	544.8	544.2	544.7	544.9
32.5°	564.0	560.7	557.8	556.2	554.7	553.1	551.6	550.6	549.4	549.0	548.8
35°	581.5	578.9	576.3	574.6	572.0	570.8	568.9	566.2	564.4	564.2	563.1
37.5°	611.0	609.8	607.9	606.1	605.3	601.9	599.7	598.3	596.1	597.5	595.2
40°	653.6	655.6	657.4	656.3	656.6	655.8	654.4	655.7	654.2	653.8	654.2
42.5°	708.0	715.2	720.2	721.8	725.9	727.5	730.5	735.0	734.1	739.3	740.2
45°	771.2	781.4	791.5	799.0	807.2	816.4	825.7	833.0	838.8	838.5	844.8
47.5°	835.5	850.8	864.2	875.4	890.1	903.7	918.6	933.8	944.7	948.8	950.2
50°	900.7	918.3	936.6	953.1	973.0	994.7	1018.3	1041.8	1053.6	1063.2	1069.6
52.5°	969.0	989.2	1008.6	1032.0	1056.5	1085.2	1114.7	1148.2	1165.9	1184.0	1193.6
55°	1034.0	1056.6	1076.6	1107.9	1137.9	1172.2	1210.6	1253.0	1283.8	1305.0	1323.8
57.5°	1093.1	1117.0	1141.7	1177.0	1215.2	1255.3	1304.0	1355.4	1389.0	1426.0	1459.3
60°	1150.7	1180.8	1209.2	1255.3	1300.9	1350.7	1411.3	1476.4	1528.4	1578.6	1617.0
62.5°	1227.2	1265.9	1301.2	1359.2	1418.7	1480.2	1552.3	1629.3	1704.6	1772.9	1824.6
65°	1340.1	1397.1	1449.8	1523.3	1598.4	1679.4	1765.5	1863.9	1954.3	2044.6	2118.6
67.5°	1425.9	1497.9	1565.8	1654.6	1743.0	1836.8	1940.9	2057.0	2169.0	2270.8	2361.0
69°	1409.0	1485.5	1558.9	1649.6	1741.5	1837.3	1942.3	2065.8	2182.2	2292.7	2389.4
70°	1357.8	1437.5	1513.6	1603.5	1696.6	1792.7	1902.6	2023.9	2143.0	2260.8	2358.5
72.5°	1125.3	1205.3	1279.2	1371.2	1464.9	1565.9	1669.9	1788.2	1915.2	2041.2	2126.8
75°	806.8	877.5	949.1	1026.9	1118.4	1201.6	1296.8	1409.6	1516.4	1614.1	1679.6
77.5°	476.9	519.1	570.2	606.8	659.9	705.7	754.2	816.8	849.7	912.8	928.9
80°	194.3	193.1	200.8	193.2	194.9	188.8	182.2	181.0	170.7	183.6	174.0
82.5°	123.4	114.8	105.6	92.9	81.7	70.0	59.2	50.2	48.5	48.8	48.2
85°	81.3	77.6	69.3	58.3	47.5	38.1	30.5	24.1	23.8	23.4	23.3
87.5°	14.7	13.6	11.2	9.6	8.1	6.0	4.2	3.2	3.0	3.0	3.6
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°	481.2	481.2	481.2	481.2	481.2	481.2	481.2
2.5°	482.3	482.3	482.1	482.4	482.3	481.8	481.5
5°	488.6	488.0	488.4	488.8	488.2	488.3	488.0
7.5°	499.2	499.0	499.1	498.8	498.4	498.8	499.3
10°	514.0	513.7	513.5	513.9	513.6	513.3	513.5
12.5°	530.5	530.5	530.4	530.5	530.4	530.0	529.7
15°	545.2	545.4	545.4	545.2	545.0	544.9	545.0
17.5°	554.2	554.0	554.0	554.0	553.9	554.0	554.3
20°	556.6	556.1	556.2	556.4	556.1	556.4	556.5
22.5°	553.4	553.4	553.4	553.6	553.8	553.8	554.1
25°	549.4	549.4	549.4	549.7	549.7	549.8	550.0
27.5°	546.2	546.2	546.3	546.5	546.6	546.7	546.9
30°	545.3	545.3	545.2	545.3	545.4	545.4	545.6
32.5°	549.0	548.6	548.4	548.2	548.0	547.9	547.8
35°	562.0	561.0	561.0	560.2	560.5	559.8	559.3
37.5°	593.6	592.6	591.3	589.6	588.8	590.0	590.0
40°	652.8	653.5	650.6	649.7	647.9	649.2	650.8
42.5°	740.8	741.6	742.2	737.7	737.5	736.6	733.8
45°	845.0	843.2	844.0	841.9	841.1	838.0	841.8
47.5°	955.4	956.6	951.6	950.0	952.9	948.0	948.7
50°	1073.3	1073.6	1069.9	1069.1	1071.7	1062.4	1066.8
52.5°	1200.5	1201.0	1203.9	1200.5	1201.8	1199.6	1204.0
55°	1335.7	1346.0	1347.0	1350.6	1350.9	1355.4	1350.9
57.5°	1477.8	1489.4	1500.4	1515.4	1518.6	1516.8	1519.7
60°	1648.9	1679.4	1695.9	1719.3	1723.0	1733.2	1724.4
62.5°	1873.0	1920.6	1956.5	1974.6	1985.6	2006.8	1999.8
65°	2186.5	2243.2	2297.6	2323.7	2352.4	2382.6	2388.1
67.5°	2443.3	2506.2	2562.9	2608.0	2643.1	2665.2	2667.0
69°	2475.4	2542.2	2602.0	2652.1	2686.2	2709.0	2715.0
70°	2446.4	2514.8	2578.1	2626.0	2664.0	2687.1	2695.3
72.5°	2216.6	2298.1	2348.8	2397.6	2451.2	2458.2	2480.4
75°	1754.7	1827.7	1877.4	1890.4	1918.4	1953.8	1941.2
77.5°	915.2	947.0	957.6	935.1	934.0	954.7	913.6
80°	174.2	174.6	171.7	170.6	172.6	170.6	167.7
82.5°	49.2	48.5	48.1	49.2	49.0	49.0	49.9
85°	22.7	22.1	21.0	21.0	21.5	20.7	21.1
87.5°	3.2	2.6	2.6	2.6	2.4	2.4	2.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)