

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: P180331

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

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180331
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-F02-LED-E1-RW-8030
Description: ICON SITE SMALL 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: 3918 lumens
Efficiency: N/A
Efficacy: 71.2 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

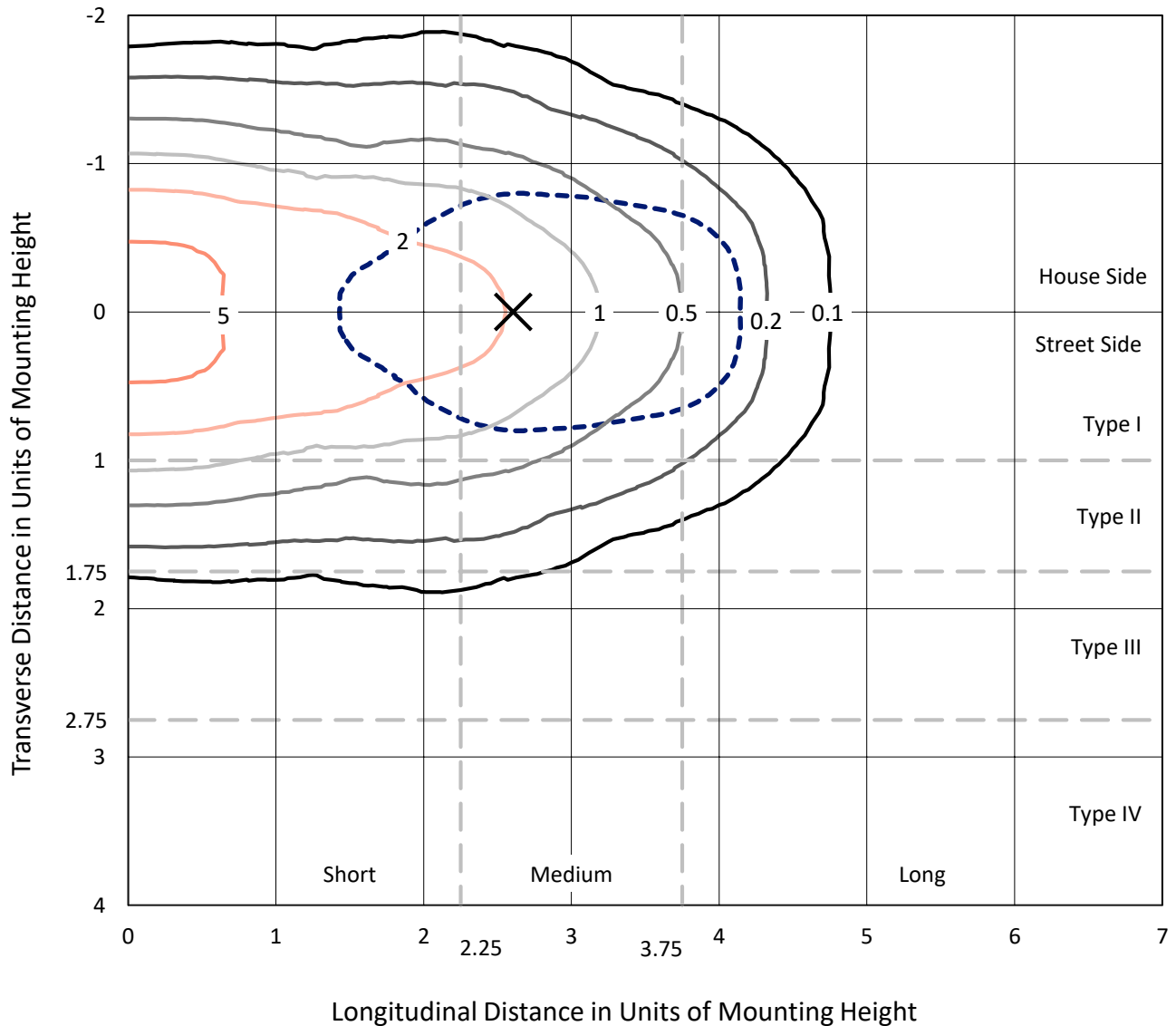
Input Watts (W): 55
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

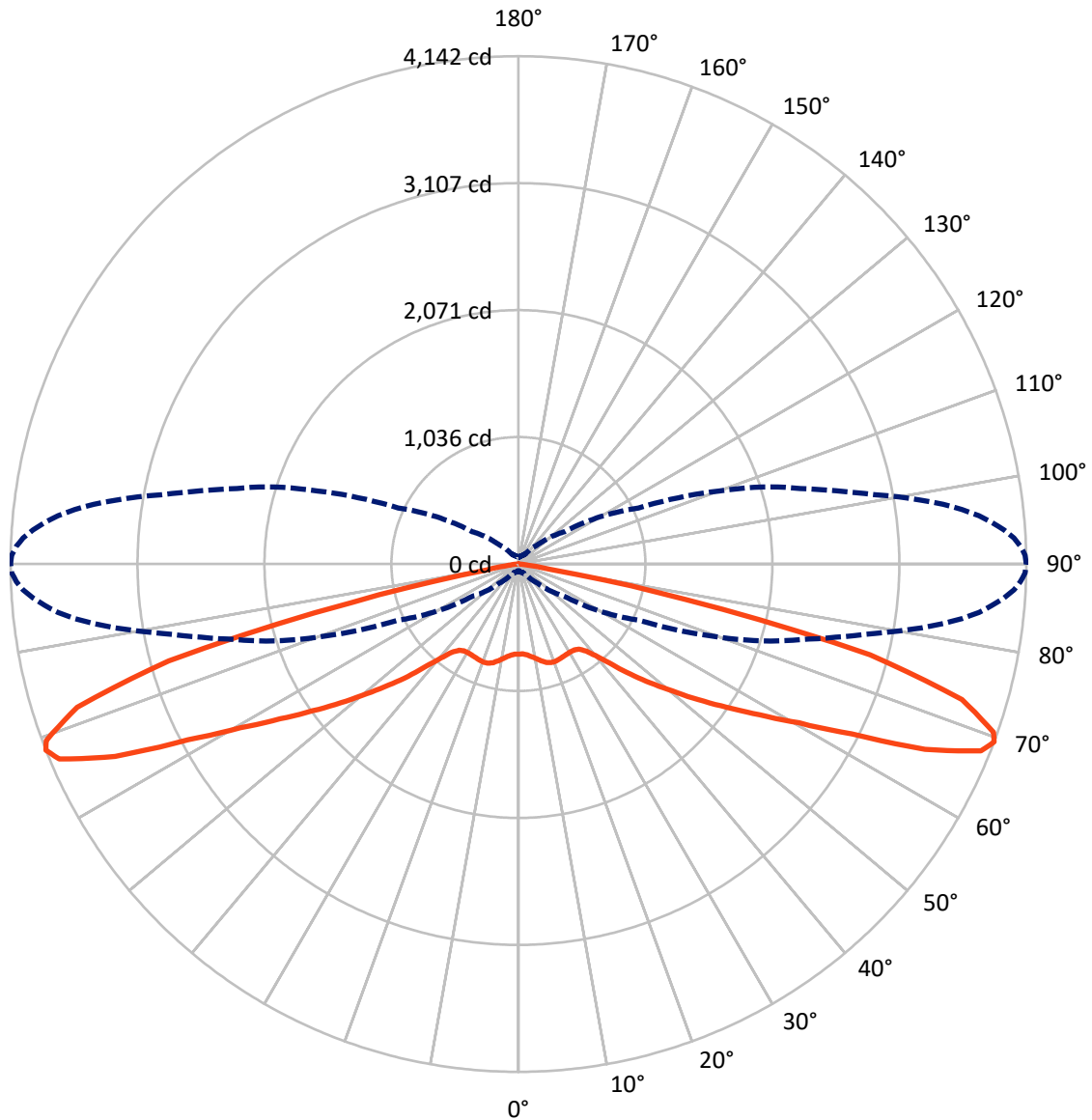


Based on 10 foot mounting height. Maximum calculated value = 7.5 fc
 Type I - Short - Full Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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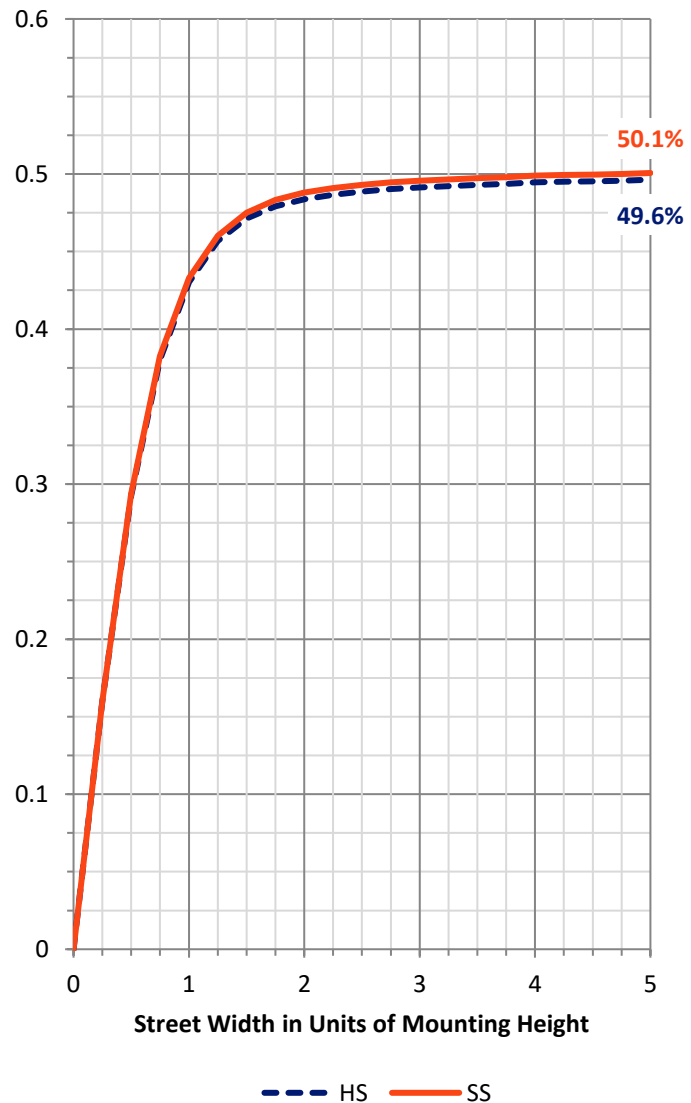
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1959.0	0.0	1959.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1959.0	0.0	1959.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	3918.0	0.0	3918.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.0	1.8
10°-20°	227.2	5.8
20°-30°	368.0	9.4
30°-40°	458.6	11.7
40°-50°	573.1	14.6
50°-60°	707.7	18.1
60°-70°	879.4	22.4
70°-80°	583.8	14.9
80°-90°	48.2	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°	3918.0	100.0
0°-180°	3918.0	100.0



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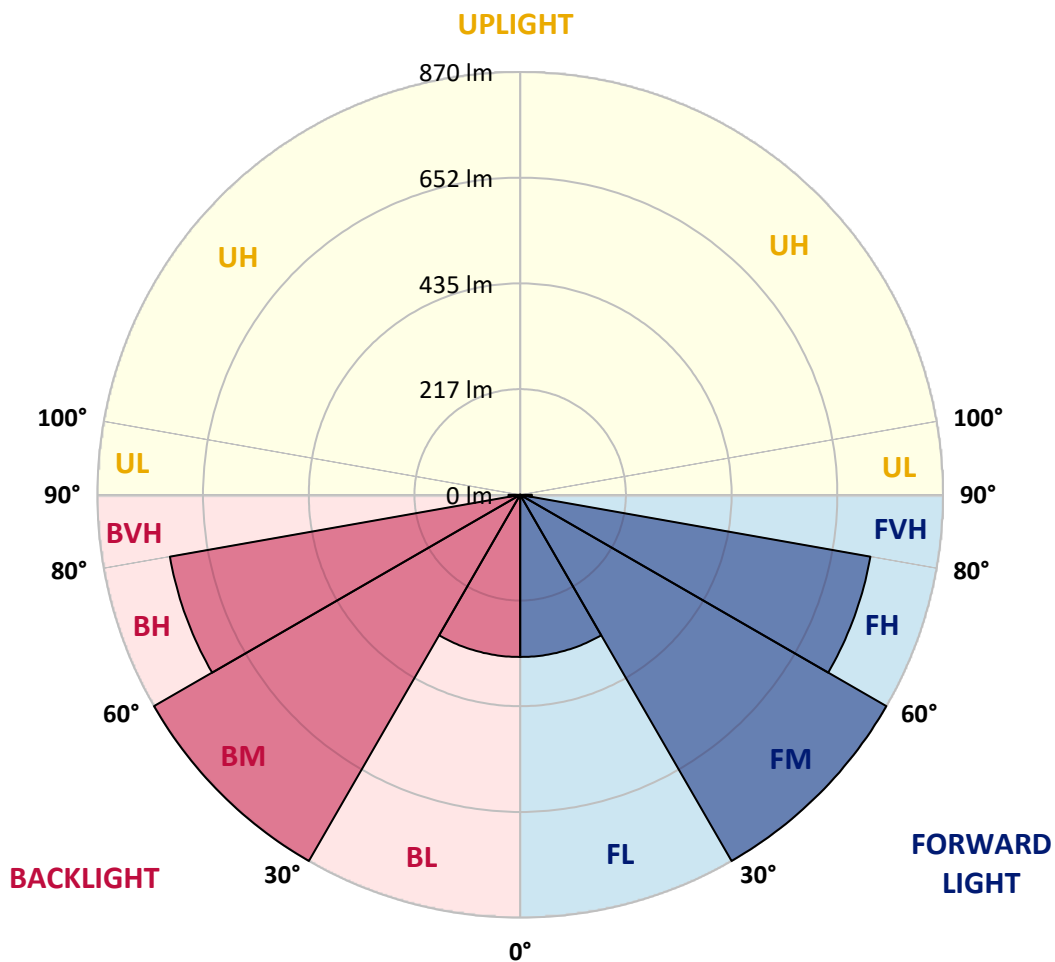
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	333.6	8.5			
FM (30°-60°)	869.7	22.2			
FH (60°-80°)	731.6	18.7			G1/1800
FVH (80°-90°)	24.1	0.6			G1/100
BL (0°-30°)	333.6	8.5	B1/500		
BM (30°-60°)	869.7	22.2	B1/1000		
BH (60°-80°)	731.6	18.7	B2/1000		G2/1000
BVH (80°-90°)	24.1	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°	734.1	734.1	734.1	734.1	734.1	734.1	734.1	734.1	734.1	734.1	734.1
2.5°	737.4	738.1	737.7	738.5	738.3	738.3	737.9	737.0	736.5	736.2	736.3
5°	744.6	743.8	745.0	746.2	745.8	746.0	745.8	745.8	745.4	745.4	745.3
7.5°	752.1	751.9	752.8	756.1	756.5	757.8	759.2	760.2	760.4	760.7	760.5
10°	758.6	758.8	760.9	765.6	768.2	772.2	776.2	779.2	780.4	781.1	781.1
12.5°	763.8	764.0	767.2	774.7	780.7	788.3	796.8	801.7	803.7	804.1	804.5
15°	764.2	764.8	770.2	782.6	794.8	807.1	817.3	823.8	825.5	826.6	826.7
17.5°	758.8	759.2	768.4	786.6	806.8	826.1	836.8	839.7	840.3	840.7	840.5
20°	744.6	745.6	758.6	785.6	816.5	841.6	852.6	848.7	846.7	846.5	846.2
22.5°	721.6	721.4	738.3	774.7	818.4	853.7	863.6	853.1	846.9	845.6	844.7
25°	684.3	686.9	706.8	750.2	807.7	856.4	871.2	855.4	846.5	844.5	842.1
27.5°	644.0	645.5	666.6	713.2	782.8	847.0	875.0	860.0	850.0	847.3	844.5
30°	597.0	598.8	621.4	670.2	742.9	822.8	874.0	870.4	858.8	855.5	852.0
32.5°	551.0	553.1	573.4	626.6	700.9	789.5	867.6	885.2	873.4	869.7	866.0
35°	503.4	506.4	531.2	585.1	660.3	752.5	858.0	904.2	897.7	894.5	891.2
37.5°	463.8	464.5	488.2	545.0	622.7	717.2	845.4	928.3	933.1	933.1	933.5
40°	419.7	423.7	447.5	507.3	588.6	687.3	833.2	960.9	985.9	990.5	994.0
42.5°	380.2	380.6	404.9	466.6	551.6	663.2	826.5	1000.2	1053.6	1063.4	1073.1
45°	338.6	340.3	362.2	421.8	509.0	634.8	826.3	1045.6	1130.8	1147.2	1162.4
47.5°	299.4	300.0	323.2	378.6	460.0	595.1	824.8	1094.3	1210.4	1234.6	1254.3
50°	261.7	261.1	283.8	337.2	411.8	543.1	812.1	1149.4	1296.1	1323.6	1347.9
52.5°	218.6	221.6	245.2	296.2	367.8	490.2	774.8	1209.9	1385.2	1417.1	1447.6
55°	176.4	177.6	203.0	250.6	323.4	440.8	710.0	1265.5	1472.2	1508.3	1542.3
57.5°	130.0	133.8	156.0	203.0	278.2	399.2	627.7	1294.3	1545.9	1587.5	1627.9
60°	91.8	94.7	114.4	153.9	228.7	355.6	556.9	1278.2	1605.2	1658.3	1706.8
62.5°	71.5	73.8	89.4	115.2	178.3	311.9	506.1	1226.2	1671.0	1740.3	1806.5
65°	62.7	64.8	79.0	92.2	133.2	267.4	478.3	1171.2	1759.2	1861.3	1953.6
67.5°	56.6	59.2	71.5	80.7	108.5	233.3	471.0	1136.6	1802.5	1935.4	2059.8
69°	53.9	56.4	67.5	75.2	100.8	221.2	458.4	1082.0	1744.0	1886.2	2022.0
70°	52.2	54.4	64.6	72.6	98.2	212.8	437.6	1013.9	1664.0	1807.4	1949.4
72.5°	48.5	49.6	58.6	66.2	91.1	172.0	336.5	753.0	1316.6	1456.5	1594.3
75°	42.8	44.2	52.4	60.0	71.1	106.8	213.0	465.8	886.5	990.7	1118.6
77.5°	37.0	38.0	45.4	57.2	55.2	66.6	127.3	259.2	503.3	563.8	646.9
80°	29.6	31.0	37.4	56.9	45.6	51.8	91.6	181.2	247.0	265.1	285.1
82.5°	21.8	22.8	29.2	46.0	34.9	39.1	69.8	153.6	176.6	184.7	188.7
85°	11.1	11.3	18.6	28.0	22.2	20.3	39.3	105.2	119.8	121.8	125.0
87.5°	1.9	1.9	4.2	4.8	5.4	3.4	5.0	18.0	20.8	20.7	22.4
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°	734.1	734.1	734.1	734.1	734.1	734.1	734.1	734.1	734.1	734.1	734.1
2.5°	736.5	736.4	736.6	736.7	736.9	736.1	736.0	735.8	735.8	736.2	735.8
5°	745.5	745.5	745.7	746.0	745.9	745.4	745.3	745.4	744.8	744.6	745.0
7.5°	760.9	760.7	760.2	760.9	761.4	761.4	761.9	761.5	761.3	761.1	761.5
10°	781.8	781.7	781.8	782.5	783.0	783.1	783.6	783.0	782.8	783.2	783.2
12.5°	805.3	804.8	805.8	806.2	806.9	808.1	807.5	808.4	807.7	808.8	808.8
15°	827.4	827.7	828.6	829.0	829.1	830.2	830.3	830.9	830.0	830.3	832.0
17.5°	841.2	840.9	841.6	841.9	842.4	843.0	844.0	844.5	844.0	844.0	844.9
20°	845.8	845.2	845.3	845.6	845.7	846.2	846.9	847.0	847.0	847.2	848.0
22.5°	843.5	842.4	841.4	841.4	841.5	841.4	841.9	842.2	842.6	843.0	844.0
25°	840.3	837.9	836.0	835.8	835.2	835.2	835.5	835.5	836.0	836.6	837.4
27.5°	840.7	837.4	834.2	833.1	832.0	831.3	831.0	830.5	830.9	831.6	832.4
30°	847.8	842.8	838.2	836.8	835.2	833.8	832.5	831.2	830.2	830.9	831.3
32.5°	860.4	855.5	851.0	848.7	846.4	843.9	841.6	840.1	838.2	837.6	837.4
35°	887.1	883.3	879.2	876.6	872.7	870.8	868.0	864.0	861.0	860.8	859.2
37.5°	932.3	930.4	927.5	924.8	923.5	918.3	915.0	912.8	909.4	911.6	908.0
40°	997.1	1000.2	1002.9	1001.3	1001.8	1000.4	998.4	1000.4	998.2	997.5	998.1
42.5°	1080.2	1091.2	1098.8	1101.3	1107.5	1109.9	1114.4	1121.4	1120.0	1128.0	1129.4
45°	1176.4	1192.2	1207.6	1219.0	1231.4	1245.6	1259.7	1271.0	1279.7	1279.3	1288.9
47.5°	1274.7	1298.0	1318.4	1335.6	1358.0	1378.7	1401.5	1424.6	1441.3	1447.6	1449.6
50°	1374.2	1401.0	1428.9	1454.2	1484.4	1517.6	1553.6	1589.5	1607.4	1622.1	1631.9
52.5°	1478.4	1509.2	1538.9	1574.6	1611.8	1655.7	1700.6	1751.6	1778.8	1806.4	1821.1
55°	1577.5	1611.9	1642.6	1690.3	1736.1	1788.4	1847.0	1911.6	1958.6	1991.0	2019.6
57.5°	1667.6	1704.2	1741.9	1795.7	1854.1	1915.2	1989.5	2068.0	2119.2	2175.6	2226.4
60°	1755.6	1801.6	1844.9	1915.2	1984.7	2060.7	2153.1	2252.5	2331.8	2408.4	2467.0
62.5°	1872.2	1931.3	1985.2	2073.6	2164.4	2258.3	2368.3	2485.8	2600.8	2704.8	2783.7
65°	2044.6	2131.4	2212.0	2324.1	2438.7	2562.2	2693.6	2843.7	2981.6	3119.4	3232.2
67.5°	2175.4	2285.4	2388.8	2524.3	2659.2	2802.4	2961.1	3138.4	3309.2	3464.5	3602.0
69°	2149.7	2266.4	2378.4	2516.7	2656.9	2803.2	2963.3	3151.8	3329.2	3498.0	3645.6
70°	2071.6	2193.1	2309.2	2446.4	2588.5	2735.2	2902.7	3087.8	3269.5	3449.2	3598.2
72.5°	1716.8	1838.8	1951.5	2092.0	2235.0	2389.0	2547.7	2728.1	2922.0	3114.2	3244.8
75°	1230.9	1338.7	1448.0	1566.8	1706.3	1833.2	1978.4	2150.6	2313.6	2462.6	2562.6
77.5°	727.6	792.1	870.0	925.9	1006.9	1076.8	1150.6	1246.2	1296.4	1392.6	1417.2
80°	296.4	294.7	306.2	294.8	297.3	288.0	278.0	276.2	260.4	280.1	265.4
82.5°	188.3	175.2	161.2	141.8	124.7	106.7	90.2	76.5	74.0	74.4	73.6
85°	124.0	118.4	105.8	88.9	72.5	58.1	46.5	36.8	36.4	35.8	35.6
87.5°	22.4	20.8	17.2	14.6	12.4	9.2	6.5	4.8	4.6	4.6	5.4
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°	734.1	734.1	734.1	734.1	734.1	734.1	734.1
2.5°	735.8	735.8	735.6	736.0	735.8	735.2	734.5
5°	745.4	744.6	745.2	745.8	744.8	745.0	744.6
7.5°	761.5	761.3	761.5	760.9	760.4	761.1	761.7
10°	784.0	783.7	783.4	784.1	783.6	783.2	783.5
12.5°	809.3	809.4	809.2	809.4	809.2	808.6	808.1
15°	831.8	832.2	832.2	831.8	831.6	831.4	831.5
17.5°	845.5	845.4	845.3	845.4	845.1	845.3	845.7
20°	849.1	848.4	848.4	848.8	848.4	848.9	849.1
22.5°	844.2	844.2	844.3	844.5	844.9	845.0	845.3
25°	838.2	838.2	838.2	838.6	838.6	838.8	839.1
27.5°	833.4	833.4	833.4	833.8	833.8	834.0	834.5
30°	832.0	832.0	831.7	832.0	832.2	832.2	832.4
32.5°	837.6	837.0	836.8	836.4	835.9	835.9	835.7
35°	857.4	855.8	856.0	854.8	855.2	854.1	853.3
37.5°	905.7	904.1	902.2	899.7	898.2	900.1	900.1
40°	996.0	997.0	992.5	991.2	988.5	990.4	992.9
42.5°	1130.2	1131.5	1132.3	1125.4	1125.2	1123.8	1119.6
45°	1289.3	1286.4	1287.6	1284.5	1283.2	1278.6	1284.3
47.5°	1457.6	1459.4	1452.0	1449.4	1453.9	1446.3	1447.3
50°	1637.6	1638.0	1632.3	1631.1	1635.1	1620.9	1627.5
52.5°	1831.6	1832.4	1836.8	1831.5	1833.6	1830.3	1837.0
55°	2037.9	2053.6	2055.0	2060.6	2061.0	2068.0	2061.1
57.5°	2254.6	2272.4	2289.1	2311.9	2317.0	2314.1	2318.6
60°	2515.7	2562.3	2587.4	2623.1	2628.8	2644.2	2630.9
62.5°	2857.7	2930.2	2985.0	3012.6	3029.3	3061.7	3051.0
65°	3336.0	3422.2	3505.4	3545.2	3589.0	3635.1	3643.4
67.5°	3727.6	3823.6	3910.2	3979.0	4032.4	4066.3	4069.0
69°	3776.6	3878.6	3969.8	4046.2	4098.2	4133.0	4142.2
70°	3732.5	3836.8	3933.4	4006.3	4064.4	4099.7	4112.1
72.5°	3381.9	3506.1	3583.4	3657.8	3739.8	3750.4	3784.3
75°	2677.0	2788.5	2864.4	2884.0	2926.8	2980.8	2961.6
77.5°	1396.3	1444.8	1460.9	1426.6	1425.0	1456.6	1393.8
80°	265.9	266.3	262.0	260.2	263.4	260.2	255.9
82.5°	75.0	74.0	73.4	75.0	74.8	74.6	76.1
85°	34.7	33.7	32.0	32.0	32.8	31.6	32.2
87.5°	4.8	4.0	4.0	4.0	3.8	3.8	3.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)