

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: P180322

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

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180322
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-F01-LED-E1-RW-7030
Description: ICON SITE SMALL 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: 2120 lumens
Efficiency: N/A
Efficacy: 81.9 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 (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



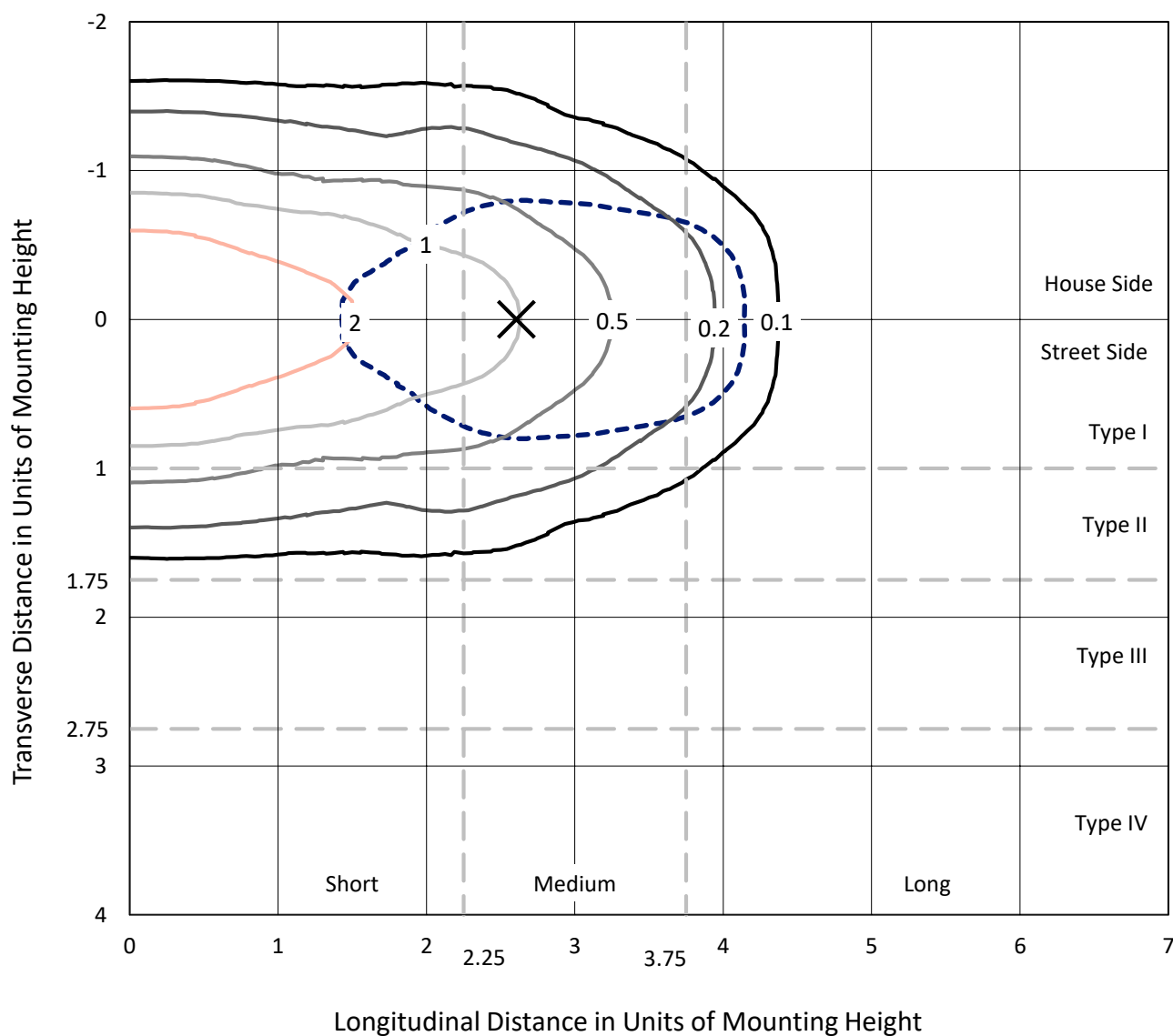
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

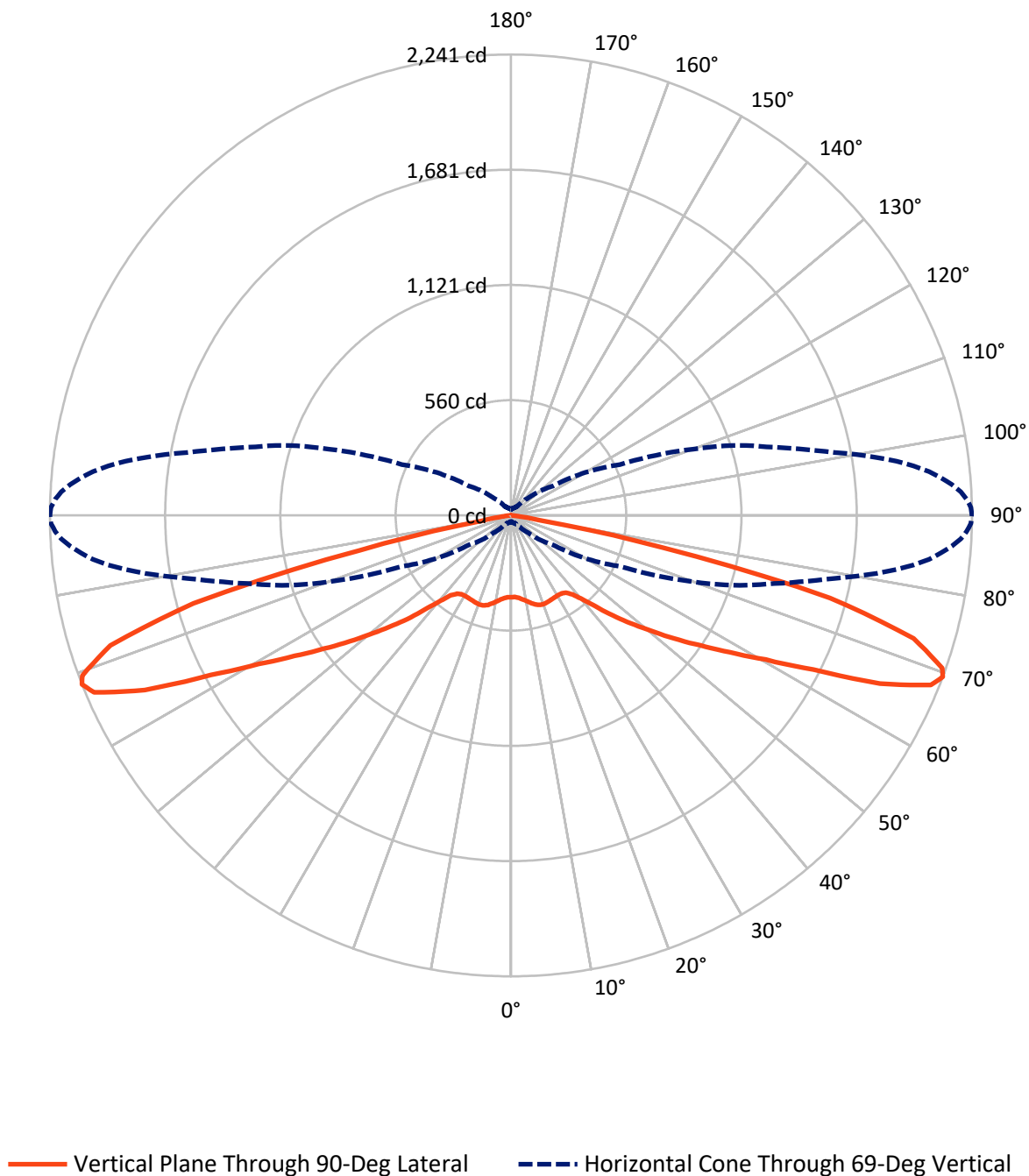


Based on 10 foot mounting height. Maximum calculated value = 4.1 fc
 Type I - Short - Full Cutoff

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1060.0	0.0	1060.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1060.0	0.0	1060.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	2120.0	0.0	2120.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.0	1.8
10°-20°	122.9	5.8
20°-30°	199.1	9.4
30°-40°	248.2	11.7
40°-50°	310.1	14.6
50°-60°	382.9	18.1
60°-70°	475.8	22.4
70°-80°	315.9	14.9
80°-90°	26.1	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°	2120.0	100.0
0°-180°	2120.0	100.0

Coefficient of Utilization



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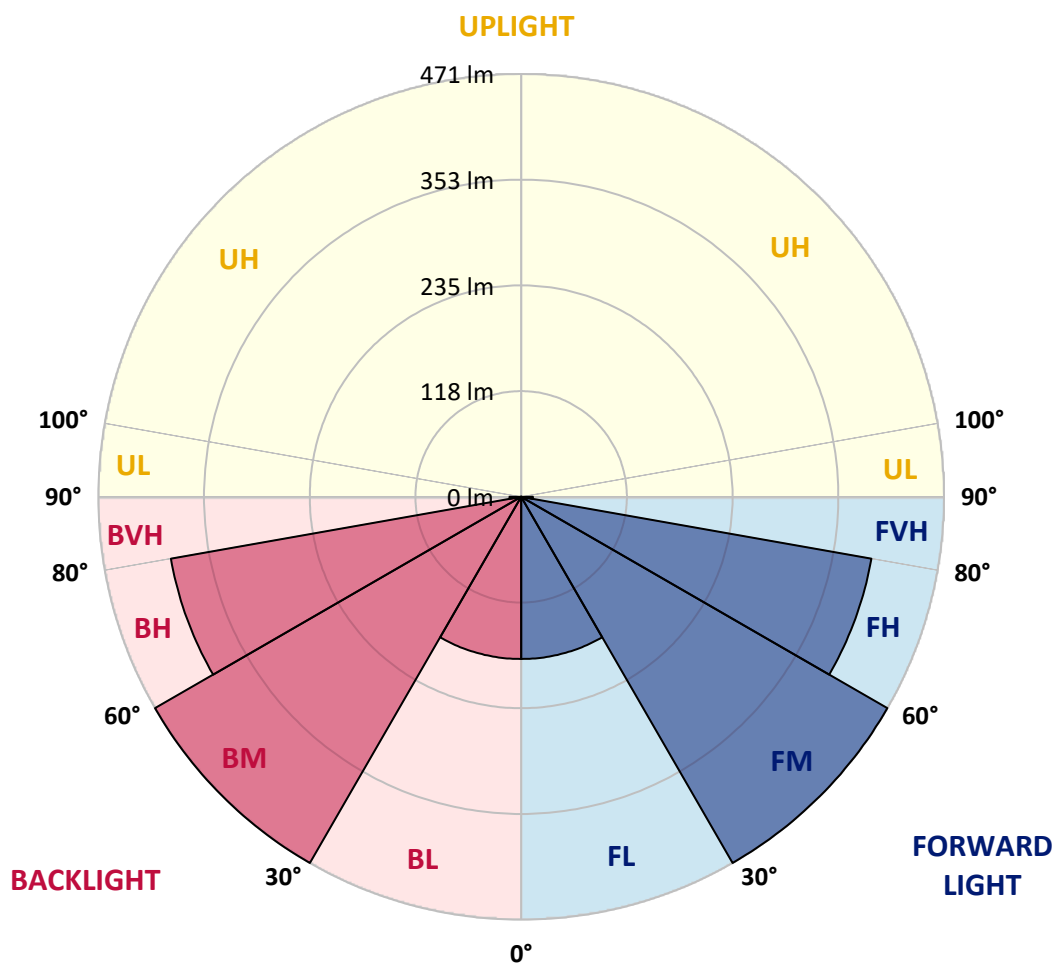
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	180.5	8.5			
FM	(30°-60°)	470.6	22.2			
FH	(60°-80°)	395.8	18.7			G0/660
FVH	(80°-90°)	13.0	0.6			G1/100
BL	(0°-30°)	180.5	8.5	B1/500		
BM	(30°-60°)	470.6	22.2	B1/1000		
BH	(60°-80°)	395.8	18.7	B1/500		G1/500
BVH	(80°-90°)	13.0	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°	397.2	397.2	397.2	397.2	397.2	397.2	397.2	397.2	397.2	397.2	397.2
2.5°	399.0	399.4	399.2	399.6	399.5	399.5	399.2	398.8	398.5	398.3	398.4
5°	402.9	402.5	403.1	403.8	403.6	403.6	403.5	403.6	403.4	403.3	403.3
7.5°	407.0	406.8	407.2	409.1	409.3	410.0	410.8	411.4	411.5	411.6	411.5
10°	410.5	410.6	411.7	414.3	415.6	417.8	420.0	421.6	422.3	422.7	422.6
12.5°	413.3	413.4	415.1	419.2	422.4	426.5	431.2	433.8	434.9	435.1	435.3
15°	413.5	413.8	416.8	423.5	430.0	436.7	442.2	445.8	446.6	447.3	447.3
17.5°	410.6	410.8	415.8	425.6	436.6	447.0	452.8	454.3	454.7	454.9	454.8
20°	402.8	403.4	410.5	425.0	441.8	455.4	461.4	459.2	458.1	458.0	457.9
22.5°	390.4	390.3	399.5	419.2	442.8	461.9	467.2	461.6	458.3	457.6	457.1
25°	370.3	371.6	382.4	406.0	437.0	463.4	471.4	462.8	458.0	456.9	455.7
27.5°	348.5	349.2	360.6	385.9	423.6	458.3	473.5	465.3	460.0	458.4	457.0
30°	323.0	324.0	336.3	362.6	402.0	445.2	472.9	471.0	464.7	462.9	461.0
32.5°	298.2	299.3	310.2	339.0	379.2	427.2	469.5	479.0	472.5	470.6	468.6
35°	272.4	274.0	287.4	316.6	357.3	407.2	464.3	489.3	485.8	484.0	482.2
37.5°	251.0	251.3	264.2	294.8	337.0	388.0	457.4	502.3	504.9	504.9	505.1
40°	227.1	229.3	242.2	274.5	318.5	371.9	450.8	520.0	533.4	535.9	537.9
42.5°	205.8	206.0	219.0	252.4	298.5	358.9	447.2	541.2	570.1	575.4	580.7
45°	183.2	184.2	196.0	228.2	275.4	343.5	447.1	565.8	611.9	620.8	628.9
47.5°	162.0	162.3	174.9	204.8	249.0	322.0	446.3	592.1	654.9	668.0	678.7
50°	141.6	141.3	153.6	182.4	222.8	293.8	439.4	622.0	701.3	716.2	729.4
52.5°	118.3	119.8	132.7	160.2	199.0	265.2	419.3	654.6	749.5	766.8	783.3
55°	95.4	96.2	109.8	135.6	175.0	238.6	384.2	684.7	796.6	816.1	834.5
57.5°	70.4	72.4	84.4	109.8	150.6	216.0	339.7	700.3	836.4	859.0	880.8
60°	49.6	51.2	61.8	83.2	123.8	192.4	301.3	691.6	868.5	897.3	923.5
62.5°	38.7	40.0	48.4	62.4	96.5	168.8	273.8	663.4	904.2	941.6	977.5
65°	33.9	35.0	42.8	49.9	72.1	144.7	258.8	633.8	951.9	1007.1	1057.0
67.5°	30.6	32.0	38.7	43.7	58.7	126.2	254.8	615.0	975.3	1047.2	1114.5
69°	29.2	30.6	36.5	40.7	54.5	119.6	248.0	585.4	943.7	1020.6	1094.1
70°	28.3	29.4	35.0	39.2	53.2	115.2	236.8	548.6	900.4	978.0	1054.8
72.5°	26.2	26.8	31.6	35.8	49.4	93.1	182.1	407.4	712.4	788.1	862.7
75°	23.2	23.8	28.4	32.4	38.4	57.8	115.2	252.0	479.7	536.1	605.2
77.5°	20.0	20.6	24.6	31.0	29.8	36.1	68.9	140.2	272.3	305.1	350.1
80°	16.0	16.8	20.2	30.8	24.7	28.0	49.5	98.1	133.7	143.4	154.2
82.5°	11.8	12.3	15.8	24.8	18.9	21.2	37.8	83.2	95.5	100.0	102.1
85°	6.0	6.1	10.0	15.2	12.0	11.0	21.2	56.9	64.8	65.9	67.6
87.5°	1.0	1.0	2.2	2.6	3.0	1.8	2.7	9.8	11.2	11.2	12.1
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):

	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°	83°
0°	397.2	397.2	397.2	397.2	397.2	397.2	397.2	397.2	397.2	397.2	397.2
2.5°	398.5	398.4	398.5	398.6	398.7	398.3	398.2	398.2	398.2	398.4	398.1
5°	403.4	403.4	403.4	403.6	403.6	403.3	403.3	403.4	403.0	402.9	403.1
7.5°	411.7	411.6	411.4	411.7	412.0	412.0	412.2	412.0	412.0	411.8	412.0
10°	423.0	423.0	423.0	423.4	423.7	423.7	424.0	423.7	423.6	423.8	423.8
12.5°	435.7	435.5	436.0	436.3	436.6	437.3	436.9	437.4	437.0	437.6	437.6
15°	447.7	447.9	448.4	448.6	448.6	449.2	449.2	449.6	449.1	449.2	450.2
17.5°	455.1	455.0	455.4	455.5	455.8	456.1	456.7	457.0	456.7	456.8	457.2
20°	457.6	457.3	457.4	457.5	457.6	457.9	458.3	458.3	458.3	458.4	458.8
22.5°	456.4	455.8	455.2	455.3	455.4	455.3	455.6	455.7	455.9	456.2	456.8
25°	454.7	453.4	452.3	452.2	451.9	451.9	452.1	452.1	452.4	452.6	453.1
27.5°	454.9	453.2	451.4	450.8	450.2	449.8	449.6	449.4	449.6	449.9	450.4
30°	458.7	456.0	453.6	452.8	451.9	451.1	450.5	449.7	449.2	449.6	449.8
32.5°	465.6	462.9	460.4	459.2	458.0	456.6	455.4	454.6	453.6	453.2	453.1
35°	480.0	477.9	475.7	474.3	472.2	471.2	469.6	467.4	465.9	465.8	464.9
37.5°	504.4	503.4	501.8	500.4	499.7	496.8	495.0	494.0	492.1	493.2	491.3
40°	539.6	541.2	542.7	541.8	542.1	541.4	540.3	541.4	540.1	539.8	540.0
42.5°	584.5	590.5	594.6	595.9	599.3	600.6	603.0	606.8	606.0	610.3	611.1
45°	636.6	645.1	653.4	659.6	666.3	674.0	681.6	687.6	692.4	692.2	697.4
47.5°	689.7	702.3	713.4	722.7	734.8	746.0	758.4	770.8	779.8	783.2	784.4
50°	743.6	758.1	773.2	786.9	803.3	821.2	840.6	860.0	869.8	877.7	883.0
52.5°	799.9	816.6	832.6	851.9	872.1	895.9	920.1	947.8	962.5	977.4	985.4
55°	853.6	872.2	888.8	914.6	939.4	967.7	999.4	1034.4	1059.8	1077.3	1092.8
57.5°	902.3	922.1	942.5	971.6	1003.2	1036.3	1076.5	1118.9	1146.6	1177.2	1204.6
60°	949.9	974.8	998.2	1036.3	1073.9	1115.0	1165.0	1218.8	1261.7	1303.2	1334.8
62.5°	1013.1	1045.0	1074.2	1122.0	1171.2	1222.0	1281.4	1345.0	1407.2	1463.6	1506.2
65°	1106.3	1153.3	1196.8	1257.5	1319.5	1386.4	1457.5	1538.7	1613.4	1687.8	1749.0
67.5°	1177.1	1236.6	1292.6	1365.9	1438.8	1516.4	1602.2	1698.2	1790.6	1874.6	1949.0
69°	1163.2	1226.3	1286.9	1361.8	1437.6	1516.8	1603.4	1705.4	1801.4	1892.7	1972.6
70°	1120.9	1186.6	1249.4	1323.7	1400.6	1479.9	1570.6	1670.8	1769.1	1866.4	1947.0
72.5°	929.0	994.9	1056.0	1132.0	1209.3	1292.7	1378.5	1476.1	1581.1	1685.0	1755.8
75°	666.0	724.3	783.4	847.8	923.3	992.0	1070.5	1163.6	1251.8	1332.5	1386.6
77.5°	393.7	428.6	470.8	501.0	544.8	582.6	622.6	674.3	701.4	753.5	766.8
80°	160.4	159.4	165.7	159.5	160.9	155.8	150.4	149.4	141.0	151.6	143.6
82.5°	101.9	94.8	87.2	76.7	67.5	57.8	48.8	41.4	40.0	40.2	39.8
85°	67.1	64.1	57.2	48.1	39.3	31.5	25.2	19.9	19.6	19.3	19.2
87.5°	12.2	11.3	9.2	7.9	6.7	5.0	3.5	2.6	2.5	2.5	2.9
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°	397.2	397.2	397.2	397.2	397.2	397.2	397.2
2.5°	398.1	398.2	398.0	398.2	398.1	397.8	397.5
5°	403.4	402.8	403.2	403.6	403.0	403.1	402.9
7.5°	412.0	412.0	412.0	411.7	411.5	411.8	412.2
10°	424.2	424.0	423.9	424.2	424.0	423.8	423.9
12.5°	438.0	438.0	437.8	438.0	437.8	437.5	437.3
15°	450.0	450.2	450.3	450.0	449.9	449.8	449.9
17.5°	457.5	457.4	457.4	457.4	457.2	457.4	457.6
20°	459.4	459.1	459.1	459.4	459.1	459.4	459.4
22.5°	456.8	456.8	456.8	457.0	457.2	457.2	457.4
25°	453.6	453.6	453.6	453.8	453.8	453.9	454.0
27.5°	451.0	451.0	451.0	451.2	451.2	451.3	451.5
30°	450.2	450.2	450.0	450.2	450.3	450.3	450.4
32.5°	453.2	452.9	452.8	452.6	452.3	452.3	452.2
35°	464.0	463.0	463.2	462.5	462.7	462.2	461.7
37.5°	490.1	489.2	488.2	486.8	486.0	487.0	487.0
40°	539.0	539.5	537.0	536.4	534.8	535.8	537.2
42.5°	611.6	612.2	612.7	609.0	608.8	608.0	605.8
45°	697.6	696.0	696.7	695.0	694.4	691.9	694.9
47.5°	788.6	789.7	785.6	784.2	786.7	782.6	783.1
50°	886.0	886.3	883.2	882.6	884.7	877.0	880.6
52.5°	991.0	991.4	993.8	991.0	992.2	990.4	994.0
55°	1102.6	1111.2	1112.0	1115.0	1115.2	1118.9	1115.2
57.5°	1220.0	1229.6	1238.6	1250.9	1253.6	1252.2	1254.6
60°	1361.2	1386.4	1400.0	1419.4	1422.4	1430.8	1423.5
62.5°	1546.2	1585.5	1615.2	1630.0	1639.1	1656.6	1650.9
65°	1805.0	1851.8	1896.8	1918.3	1942.0	1966.9	1971.4
67.5°	2017.0	2068.9	2115.8	2153.0	2181.9	2200.2	2201.7
69°	2043.5	2098.6	2148.0	2189.4	2217.5	2236.4	2241.3
70°	2019.6	2076.0	2128.3	2167.8	2199.2	2218.4	2225.0
72.5°	1830.0	1897.1	1939.0	1979.2	2023.6	2029.4	2047.7
75°	1448.6	1508.8	1549.9	1560.5	1583.7	1612.9	1602.5
77.5°	755.5	781.8	790.5	772.0	771.0	788.1	754.2
80°	143.9	144.1	141.8	140.8	142.6	140.8	138.4
82.5°	40.6	40.0	39.7	40.6	40.5	40.4	41.2
85°	18.8	18.2	17.3	17.3	17.8	17.0	17.4
87.5°	2.6	2.2	2.2	2.2	2.0	2.0	2.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)