

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: P180922

Luminaire Tested: **ICS-F01-LED-E1-SL4-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180922
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33680)
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-SL4-7030
Description: ICON SITE SMALL LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ SPILL LIGHT CONTROL
Light Source: (7) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2004.8 lumens
Efficiency: N/A
Efficacy: 77.4 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 1' x H: 0.1')
IES Classification: Type IV - 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



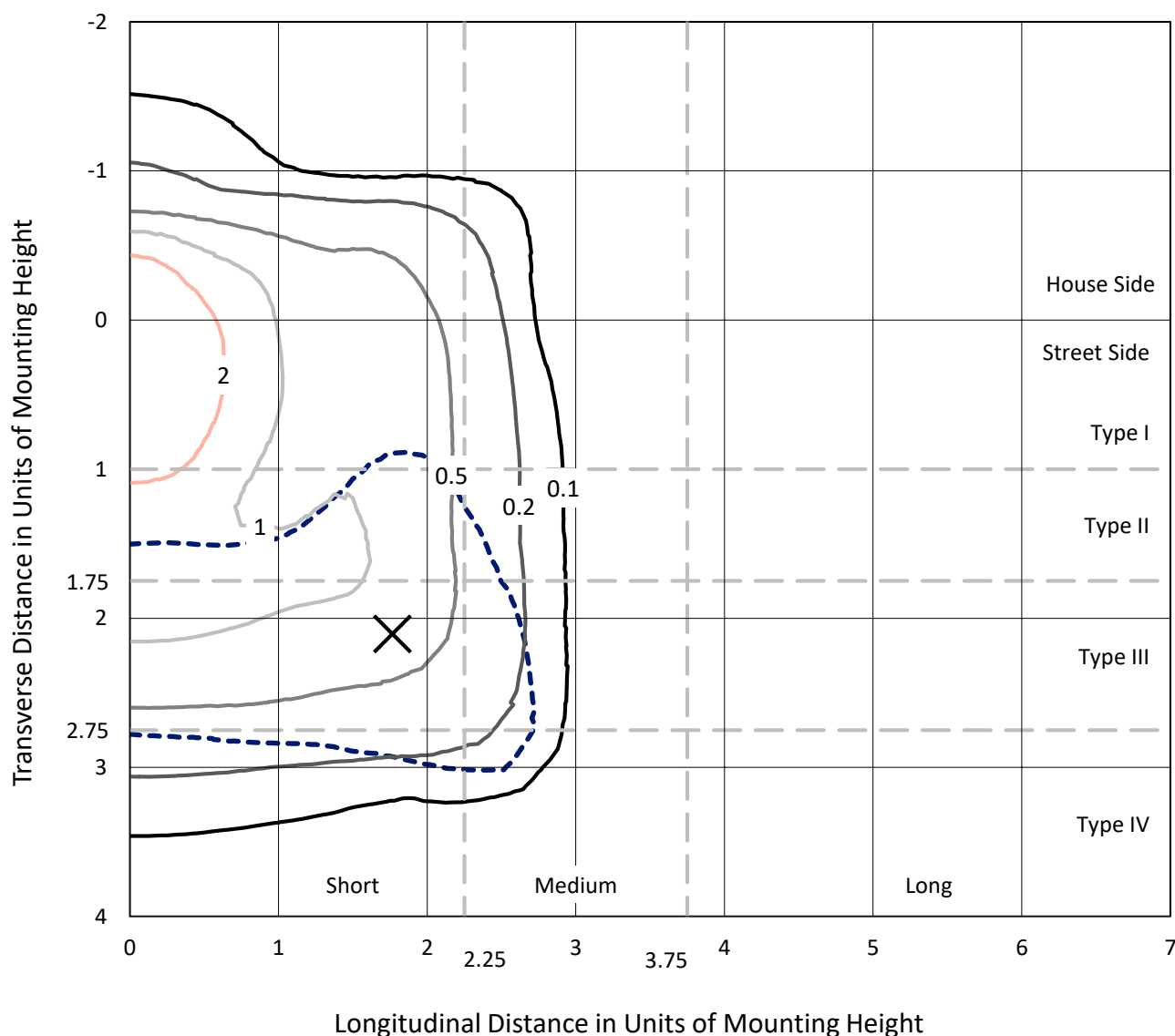
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

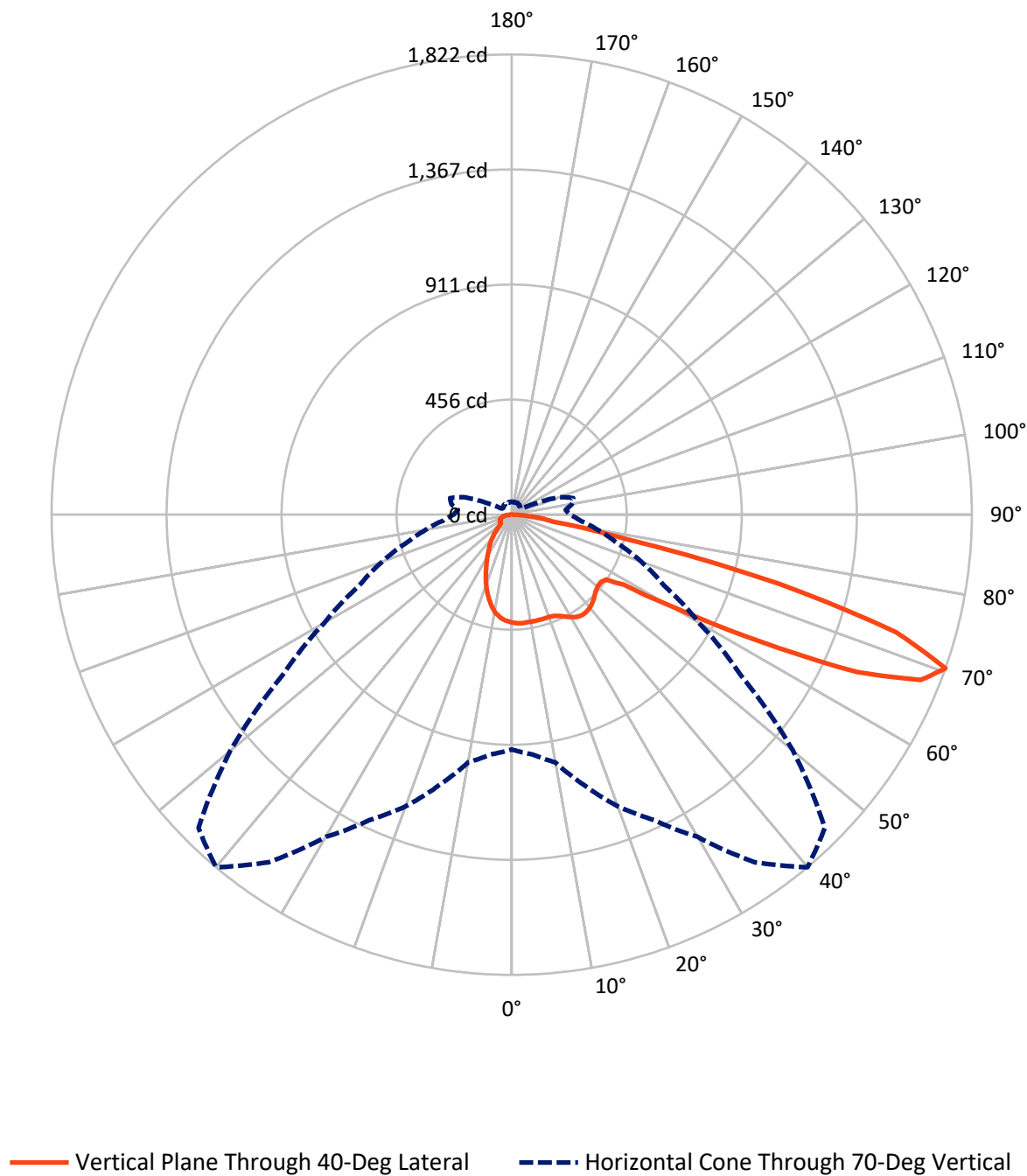


Based on 10 foot mounting height. Maximum calculated value = 4.3 fc
 Type IV - Short - Full Cutoff

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	416.2	0.0	416.2
	% Fixture	20.8	0.0	20.8
Street Side	Lumens	1588.6	0.0	1588.6
	% Fixture	79.2	0.0	79.2
Total	Lumens	2004.8	0.0	2004.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.0	2.0
10°-20°	109.4	5.5
20°-30°	161.9	8.1
30°-40°	204.7	10.2
40°-50°	231.5	11.5
50°-60°	329.4	16.4
60°-70°	613.4	30.6
70°-80°	281.1	14.0
80°-90°	33.4	1.7
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°	2004.8	100.0
0°-180°	2004.8	100.0

Coefficient of Utilization



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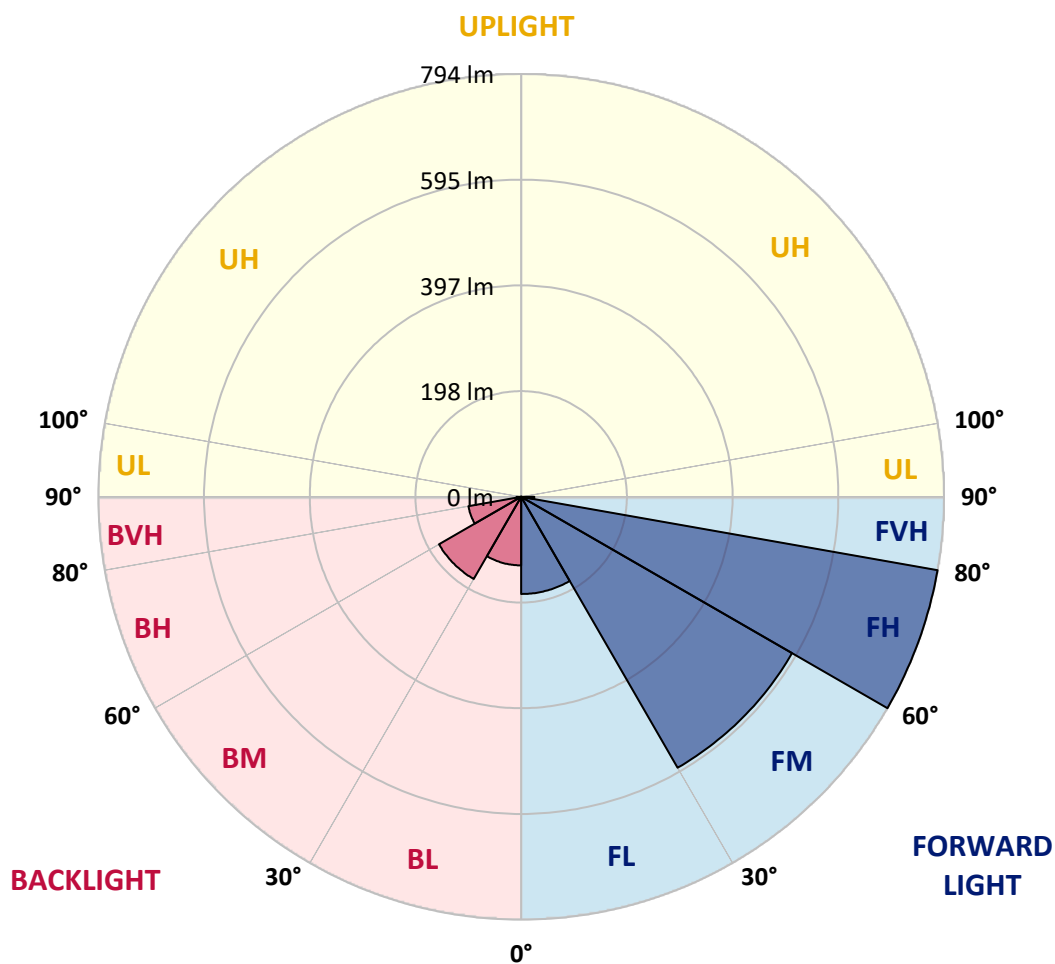
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	182.5	9.1			
FM	(30°-60°)	587.3	29.3			
FH	(60°-80°)	794.0	39.6			G1/1800
FVH	(80°-90°)	24.8	1.2			G1/100
BL	(0°-30°)	128.8	6.4	B1/500		
BM	(30°-60°)	178.2	8.9	B0/220		
BH	(60°-80°)	100.6	5.0	B0/110		G0/110
BVH	(80°-90°)	8.6	0.4			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	427.8	427.8	427.8	427.8	427.8	427.8	427.8	427.8	427.8	427.8	427.8
2.5°	434.3	435.5	434.1	433.9	433.9	433.6	432.3	432.1	430.3	430.5	430.9
5°	437.5	437.9	437.0	436.8	436.4	435.5	434.3	433.0	431.6	430.3	429.1
7.5°	440.7	440.2	439.5	439.5	438.8	437.5	435.2	433.4	430.5	428.9	426.9
10°	445.2	444.5	443.6	443.1	442.0	440.0	436.8	434.3	430.7	427.5	424.1
12.5°	449.5	449.3	447.9	447.2	445.4	443.4	439.5	435.7	430.9	426.0	421.4
15°	457.2	456.3	454.9	453.6	450.6	447.9	442.0	437.5	430.7	424.1	417.1
17.5°	470.5	468.9	467.6	464.6	461.0	456.3	447.7	440.0	430.7	421.2	413.3
20°	494.9	491.6	489.7	485.9	479.6	471.0	457.6	445.2	431.4	419.2	408.5
22.5°	522.5	520.3	517.8	515.3	505.4	492.9	474.8	456.3	435.5	418.3	404.7
25°	553.5	550.6	549.2	544.9	535.7	521.4	496.8	471.0	444.7	421.9	404.7
27.5°	581.1	580.2	580.0	575.0	566.2	549.5	520.3	489.3	457.4	429.3	408.1
30°	606.2	605.3	604.9	602.2	592.0	572.1	540.4	505.6	471.2	439.8	414.4
32.5°	632.9	630.0	628.6	623.4	611.9	588.6	552.4	516.2	482.1	449.9	421.4
35°	654.7	652.2	649.4	642.0	625.7	598.1	557.6	519.8	486.4	455.6	425.0
37.5°	670.5	668.0	664.2	654.7	634.5	601.3	557.4	518.7	484.8	454.7	425.7
40°	677.5	675.0	670.9	659.0	636.1	599.5	553.1	513.5	480.0	449.9	423.0
42.5°	674.8	673.0	667.8	656.2	631.1	591.3	544.5	503.8	471.0	442.2	416.9
45°	664.4	663.0	658.0	645.8	619.8	578.2	531.8	491.6	460.1	432.7	408.8
47.5°	648.8	648.3	643.3	631.4	605.6	565.1	518.7	479.6	449.3	423.5	402.0
50°	631.6	629.3	626.8	615.7	592.2	553.8	509.2	472.1	443.1	420.1	399.0
52.5°	620.7	620.0	617.8	607.8	585.2	547.2	504.9	469.4	442.7	419.4	397.5
55°	717.1	718.7	697.9	654.7	616.6	565.3	517.8	483.2	453.8	430.3	414.2
57.5°	1060.7	1053.7	1017.9	932.2	835.4	707.6	615.5	559.6	523.2	527.3	535.4
60°	1235.8	1234.4	1227.9	1194.6	1130.1	1032.9	925.0	801.2	761.9	766.2	769.3
62.5°	1314.1	1316.1	1321.1	1308.6	1291.7	1263.4	1209.5	1159.8	1107.1	1087.4	1034.7
65°	1350.2	1353.9	1365.2	1372.2	1378.8	1383.7	1405.0	1463.4	1501.8	1429.9	1262.5
67.5°	1275.4	1292.8	1330.1	1366.5	1399.1	1445.5	1517.4	1652.9	1747.2	1658.8	1416.1
70°	929.7	953.5	996.2	1108.9	1229.2	1334.4	1473.8	1680.1	1822.4	1754.0	1454.1
72.5°	582.9	589.5	608.5	649.9	739.3	874.3	1117.9	1427.4	1591.6	1537.1	1229.0
75°	369.9	372.1	371.4	380.9	396.1	425.5	521.9	843.1	1090.3	1005.3	685.0
77.5°	220.3	223.7	225.1	228.0	235.3	245.7	253.6	286.8	457.2	443.8	248.6
80°	184.6	187.3	185.0	184.4	179.8	176.7	180.5	176.7	164.0	157.9	145.5
82.5°	97.7	97.5	96.8	103.4	116.7	127.1	135.0	133.2	120.6	102.7	87.1
85°	53.6	55.4	55.4	57.7	55.6	55.9	57.7	60.9	56.3	47.1	38.5
87.5°	4.5	7.0	5.7	7.0	9.5	6.8	6.6	6.6	5.7	4.1	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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	427.8	427.8	427.8	427.8	427.8	427.8	427.8	427.8	427.8	427.8	427.8
2.5°	429.8	429.3	428.4	427.8	427.8	426.6	426.0	425.5	425.3	424.4	424.4
5°	428.4	426.9	425.3	424.1	423.5	422.3	420.5	419.6	418.5	417.6	417.1
7.5°	425.5	422.6	420.1	418.3	416.0	414.2	411.9	409.9	407.9	407.0	406.5
10°	421.0	417.1	413.3	409.9	406.7	403.6	400.6	397.7	395.2	393.4	391.6
12.5°	416.7	410.8	405.8	400.8	395.9	392.0	388.0	383.7	380.0	376.6	375.7
15°	410.8	404.0	397.7	391.6	385.5	379.1	374.2	369.4	363.5	359.7	356.7
17.5°	405.4	397.2	389.5	382.3	374.8	368.3	360.8	354.5	348.6	342.7	338.4
20°	399.5	390.7	382.5	374.4	366.2	357.9	349.3	341.1	333.9	326.9	319.9
22.5°	394.3	385.2	377.3	368.5	359.4	349.9	340.0	329.8	321.4	312.4	304.3
25°	391.1	381.2	373.0	364.4	354.5	344.1	332.8	320.8	310.6	300.2	290.5
27.5°	391.1	378.2	369.9	361.3	351.1	340.0	327.6	314.4	302.9	291.4	279.4
30°	394.5	378.7	367.4	358.3	347.9	335.9	322.1	308.3	295.7	282.1	270.5
32.5°	397.7	379.6	365.6	354.0	342.0	330.3	316.2	301.5	287.5	274.6	262.4
35°	399.7	379.6	362.2	347.5	333.9	322.3	308.6	293.8	279.6	266.9	255.6
37.5°	399.9	377.8	356.7	340.0	325.7	313.8	300.6	286.8	273.3	261.5	252.0
40°	397.7	374.2	351.3	332.1	317.1	304.9	292.9	280.5	268.3	258.6	250.4
42.5°	393.6	370.3	346.1	325.7	310.1	297.5	286.4	275.8	265.1	256.7	250.0
45°	387.5	365.1	341.4	321.9	306.5	293.2	282.3	273.5	264.4	257.4	250.6
47.5°	382.1	363.3	342.9	324.4	308.3	294.5	283.4	276.0	269.0	264.2	254.9
50°	380.9	362.4	343.6	326.4	310.1	296.1	286.4	282.5	280.5	277.6	263.3
52.5°	377.8	362.2	348.6	339.1	328.7	322.1	311.9	315.6	313.3	302.9	277.1
55°	411.0	415.5	428.2	446.3	463.1	466.9	465.8	461.5	438.6	377.3	310.4
57.5°	565.1	590.6	614.6	625.2	623.9	611.9	603.3	585.9	552.9	478.2	376.0
60°	779.1	783.1	770.5	751.7	720.0	693.6	665.3	632.7	584.8	511.7	416.2
62.5°	976.1	921.4	865.0	812.1	763.9	721.8	682.5	637.0	574.6	498.3	411.0
65°	1115.2	999.4	910.5	834.5	766.4	707.6	658.5	599.5	529.1	460.3	380.9
67.5°	1186.9	1009.4	872.9	767.1	670.5	589.1	523.7	466.2	414.0	383.9	333.4
70°	1106.8	856.7	666.6	547.0	431.4	345.9	273.3	229.4	214.2	242.7	252.5
72.5°	824.8	557.6	396.5	306.7	235.0	187.3	143.6	112.9	91.8	96.4	125.1
75°	390.0	240.7	170.1	129.4	102.9	85.3	69.7	63.8	53.4	44.3	41.6
77.5°	151.8	110.6	91.4	67.0	47.5	38.2	32.6	31.4	32.1	31.2	30.8
80°	115.6	78.3	49.1	36.0	31.0	27.4	24.2	23.3	23.8	24.9	26.0
82.5°	64.5	40.3	29.9	26.0	23.3	19.9	18.1	16.7	17.0	18.3	20.8
85°	24.9	19.5	17.9	17.2	16.1	12.9	11.1	11.3	12.9	15.4	15.4
87.5°	2.7	2.7	3.6	2.7	2.7	2.7	2.5	2.9	3.2	4.1	4.8
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	427.8	427.8	427.8	427.8	427.8	427.8	427.8	427.8	427.8	427.8	427.8
2.5°	423.9	423.9	423.9	423.5	423.7	422.8	422.8	422.1	423.2	422.6	422.3
5°	417.4	417.1	416.2	416.2	416.2	416.2	416.9	415.1	416.5	416.5	415.8
7.5°	406.3	406.3	403.8	405.1	404.7	405.4	406.3	405.4	406.7	407.6	407.0
10°	390.9	390.9	388.9	390.4	389.8	391.3	392.9	392.0	392.9	394.3	394.7
12.5°	373.9	373.0	371.2	371.9	371.9	372.8	373.5	374.6	375.7	377.5	378.4
15°	354.2	352.9	350.6	350.6	349.3	349.7	351.1	351.5	353.8	356.3	359.2
17.5°	334.1	330.7	328.2	325.3	323.0	324.8	326.4	327.6	329.4	333.2	335.2
20°	315.1	308.3	303.6	299.7	297.2	298.4	300.4	301.8	303.3	304.3	304.9
22.5°	296.3	288.6	282.1	277.3	273.3	274.4	273.5	272.8	273.9	271.0	270.8
25°	280.0	271.0	262.2	256.5	251.5	250.0	245.2	244.1	240.9	238.4	236.6
27.5°	268.3	256.5	246.8	240.2	232.3	226.4	220.3	214.2	210.8	206.8	204.7
30°	259.0	246.6	235.0	223.9	213.5	204.5	196.4	188.4	183.0	177.1	173.3
32.5°	250.4	238.9	224.9	209.7	195.7	185.5	174.9	165.8	157.2	149.5	143.9
35°	244.5	231.6	213.8	195.2	179.4	167.4	156.1	143.2	132.8	122.8	116.7
37.5°	241.4	225.5	203.6	183.0	165.4	151.8	137.8	122.8	110.2	100.9	91.6
40°	238.9	219.4	194.5	172.1	153.6	137.3	121.0	103.4	89.4	79.6	72.4
42.5°	236.2	212.6	186.6	163.6	143.0	124.0	104.3	85.5	72.2	65.4	62.2
45°	233.2	206.8	179.2	155.4	132.6	109.5	86.9	69.4	61.5	59.3	59.3
47.5°	232.5	202.9	173.7	147.5	120.8	92.7	70.8	59.9	57.7	58.1	59.0
50°	235.3	201.8	169.0	138.2	105.2	75.1	59.9	56.3	56.8	58.1	59.5
52.5°	241.8	202.7	164.0	125.3	86.6	62.0	55.4	55.2	56.6	58.6	59.9
55°	252.9	202.7	154.5	106.1	69.2	55.6	53.8	54.7	56.6	58.4	59.5
57.5°	276.7	200.6	137.8	84.8	57.9	53.4	53.4	54.5	56.1	57.9	58.8
60°	304.9	197.9	114.2	65.6	52.3	51.6	53.2	54.5	55.9	57.5	58.4
62.5°	306.7	190.9	90.5	54.3	49.3	50.4	52.9	54.7	55.2	56.3	57.5
65°	281.9	166.5	71.9	48.6	48.0	49.8	52.3	53.6	53.8	54.3	55.4
67.5°	246.8	135.7	58.1	45.9	46.6	48.6	50.0	51.1	51.8	52.9	53.2
70°	202.7	109.0	49.8	43.2	43.9	46.1	47.3	48.4	49.8	51.1	50.4
72.5°	143.6	84.8	43.7	40.3	41.2	43.2	44.6	45.5	46.6	48.0	47.1
75°	61.1	59.3	37.8	36.4	37.8	39.1	40.5	41.8	43.0	43.7	43.7
77.5°	31.2	34.8	32.6	32.6	33.5	34.8	36.0	37.3	38.0	38.7	39.6
80°	26.5	26.9	27.4	28.3	29.2	30.5	31.7	32.8	33.0	33.3	33.7
82.5°	21.9	22.8	23.3	24.7	25.3	25.8	26.5	26.5	26.9	26.9	26.2
85°	15.8	17.0	17.6	17.9	17.6	17.9	18.1	18.5	19.7	19.7	18.8
87.5°	4.5	4.3	5.4	5.7	6.1	7.0	7.9	9.5	10.0	10.4	10.4
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):

	165°	170°	175°	180°
0°	427.8	427.8	427.8	427.8
2.5°	422.1	422.6	421.7	421.9
5°	415.8	416.7	415.5	416.9
7.5°	407.6	409.0	408.8	408.5
10°	395.9	397.7	397.7	398.4
12.5°	380.9	382.1	383.0	383.4
15°	360.8	362.8	364.0	364.0
17.5°	336.6	338.0	338.6	337.7
20°	305.8	305.4	305.6	303.3
22.5°	270.3	271.0	269.0	269.4
25°	235.5	234.4	235.3	233.9
27.5°	201.8	202.0	199.5	200.6
30°	169.7	168.5	165.4	166.9
32.5°	138.7	135.7	132.3	130.3
35°	109.5	105.0	103.4	102.7
37.5°	86.0	81.0	79.4	77.6
40°	68.3	66.5	65.8	66.3
42.5°	61.3	61.3	61.8	62.0
45°	59.5	60.2	60.9	61.1
47.5°	59.7	60.4	61.3	61.5
50°	60.2	60.9	61.5	61.8
52.5°	60.4	60.4	60.9	61.1
55°	59.9	59.7	59.9	60.2
57.5°	59.0	58.6	58.8	59.5
60°	58.6	57.9	58.4	58.8
62.5°	57.5	57.2	57.7	57.9
65°	55.0	55.2	55.9	55.9
67.5°	52.7	52.9	53.2	53.4
70°	50.0	50.2	50.7	50.9
72.5°	46.8	47.7	48.4	49.3
75°	44.3	45.2	46.6	47.5
77.5°	40.0	40.7	42.3	43.4
80°	33.9	33.7	33.9	34.6
82.5°	26.0	26.0	25.8	25.6
85°	18.3	18.1	17.4	17.4
87.5°	10.0	9.7	9.5	9.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)