

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: P181683

Luminaire Tested: **ICS-F01-LED-E1-T4-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P181683
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33673)
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-T4-7030
Description: ICON SITE SMALL LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 4
Light Source: (7) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2050.8 lumens
Efficiency: N/A
Efficacy: 79.2 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 1' x H: 0.1')
IES Classification: Type IV - Short - Semi-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



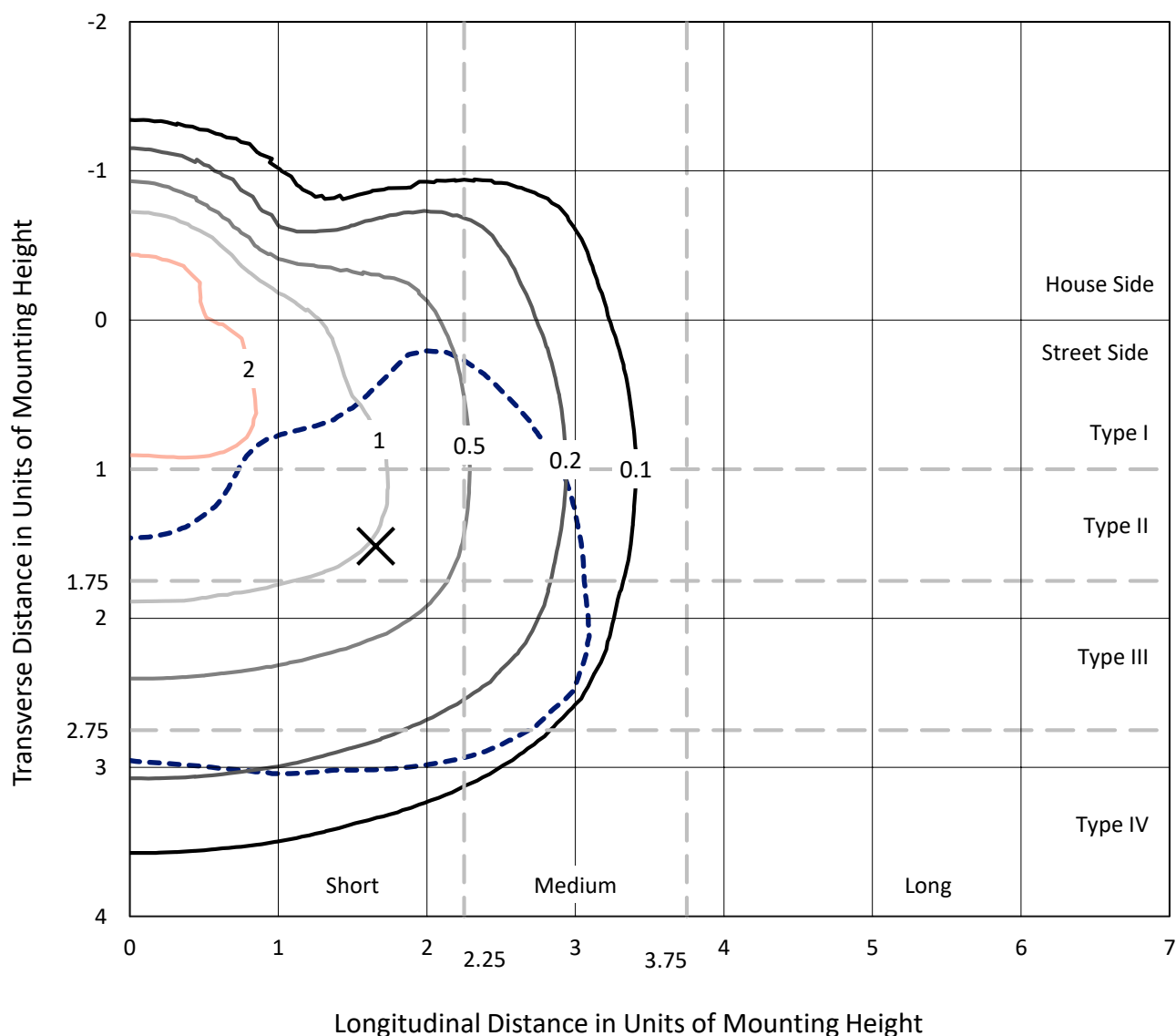
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

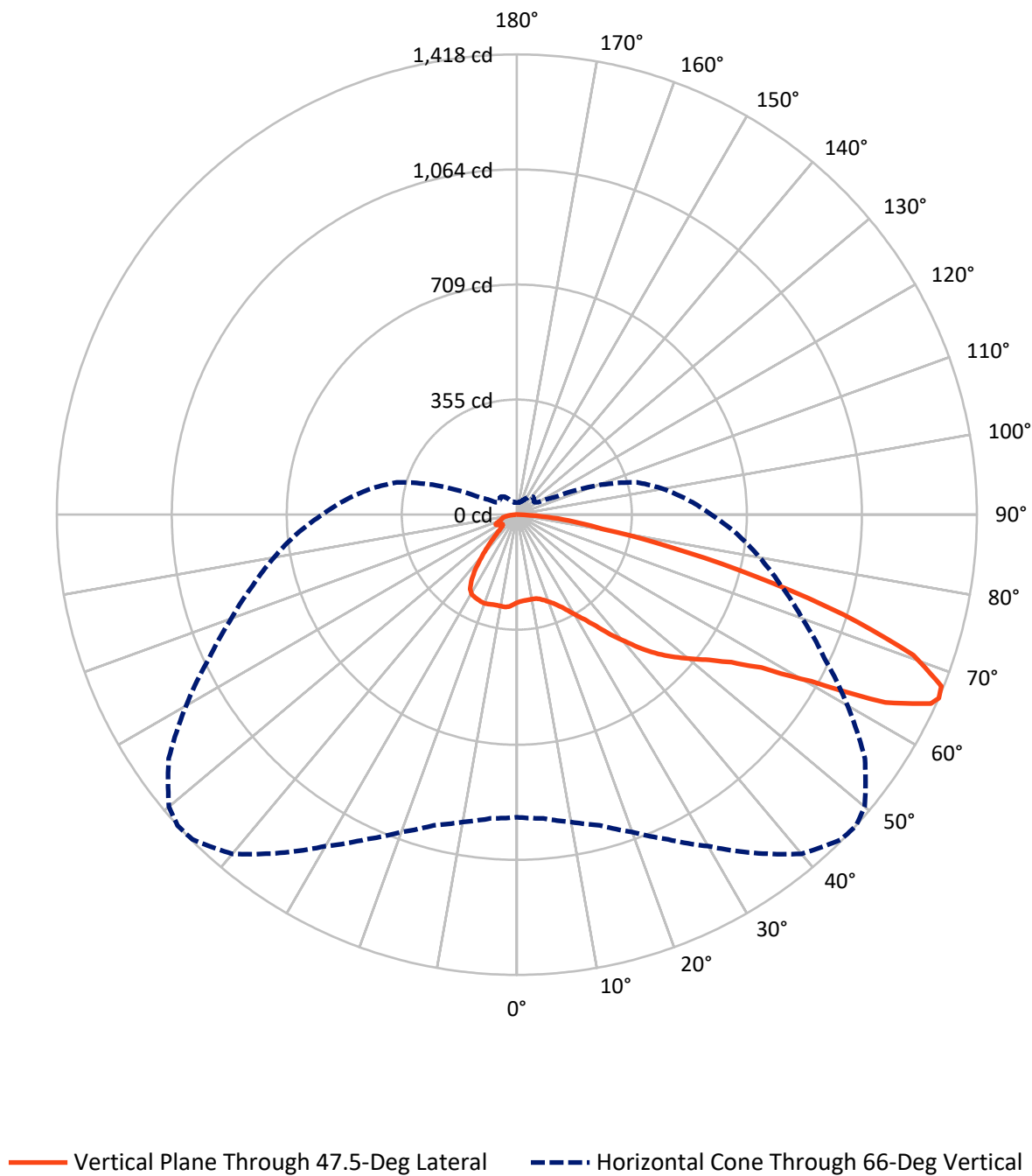


Based on 10 foot mounting height. Maximum calculated value = 2.8 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	437.6	0.0	437.6
	% Fixture	21.3	0.0	21.3
Street Side	Lumens	1613.2	0.0	1613.2
	% Fixture	78.7	0.0	78.7
Total	Lumens	2050.8	0.0	2050.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.2	1.3
10°-20°	79.7	3.9
20°-30°	137.3	6.7
30°-40°	207.7	10.1
40°-50°	269.2	13.1
50°-60°	371.1	18.1
60°-70°	576.6	28.1
70°-80°	335.3	16.3
80°-90°	47.7	2.3
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°	2050.8	100.0
0°-180°	2050.8	100.0

Coefficient of Utilization



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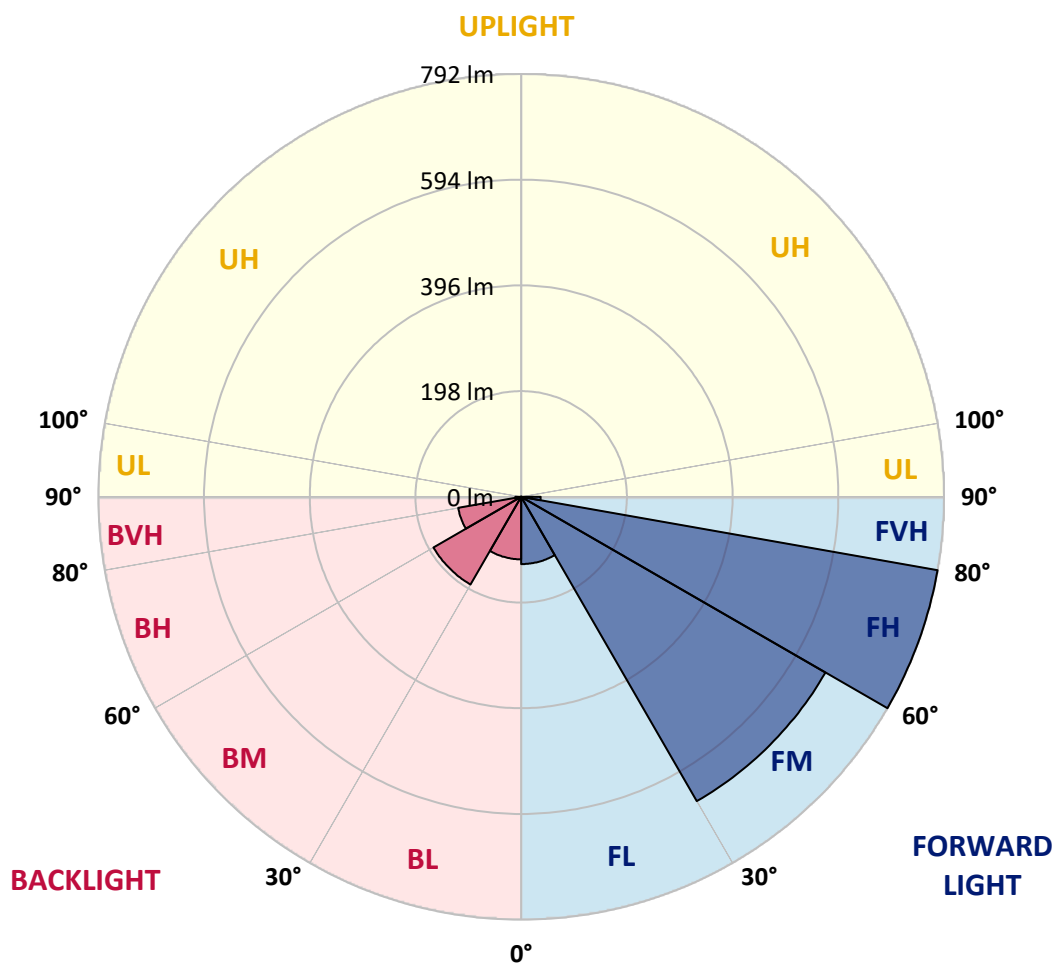
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	126.1	6.1			
FM	(30°-60°)	658.3	32.1			
FH	(60°-80°)	792.2	38.6			G1/1800
FVH	(80°-90°)	36.6	1.8			G1/100
BL	(0°-30°)	117.1	5.7	B1/500		
BM	(30°-60°)	189.7	9.2	B0/220		
BH	(60°-80°)	119.7	5.8	B1/500		G1/500
BVH	(80°-90°)	11.1	0.5			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 IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	47.5°
0°	270.3	270.3	270.3	270.3	270.3	270.3	270.3	270.3	270.3	270.3	270.3
2.5°	265.3	266.2	265.6	265.8	265.8	266.0	266.0	266.2	266.0	266.7	267.2
5°	260.6	261.0	260.8	261.3	261.7	262.6	262.4	263.5	263.8	264.4	265.6
7.5°	258.8	258.3	258.6	259.2	259.7	260.1	260.6	261.5	262.2	263.8	264.7
10°	260.6	260.4	260.6	261.0	261.0	261.3	260.8	261.7	262.2	263.5	264.4
12.5°	268.1	268.1	267.6	267.6	267.2	266.7	265.6	264.9	264.7	264.9	265.3
15°	280.0	279.6	278.7	278.0	277.1	275.5	273.9	272.6	271.7	270.3	269.9
17.5°	291.8	291.1	290.2	289.3	288.2	286.6	284.1	282.5	280.0	278.5	277.6
20°	305.4	304.0	302.9	301.8	299.5	299.1	296.6	293.8	290.9	287.3	286.8
22.5°	323.0	320.8	319.4	318.7	316.5	315.8	311.7	307.9	304.3	299.5	298.4
25°	340.9	338.6	338.0	337.1	335.5	334.6	330.7	326.4	321.7	315.1	313.8
27.5°	358.3	358.5	356.7	357.4	357.0	355.4	351.5	347.2	343.6	335.9	334.3
30°	380.0	378.7	377.8	379.1	377.5	377.8	374.4	372.1	366.2	361.7	358.5
32.5°	402.7	402.4	403.8	404.7	404.5	404.0	401.3	399.0	393.8	387.3	385.9
35°	433.6	435.0	436.1	440.2	440.2	443.1	440.4	437.7	431.6	423.7	421.0
37.5°	454.7	455.1	459.7	465.1	471.9	478.2	480.0	480.7	478.2	472.3	468.3
40°	473.9	474.8	482.1	490.4	500.4	512.8	520.3	523.7	524.4	521.6	512.8
42.5°	493.1	494.5	502.0	514.2	528.0	543.8	556.9	565.3	570.1	570.1	564.8
45°	515.5	517.3	525.5	538.8	554.9	574.8	592.9	609.0	616.6	617.1	612.1
47.5°	542.0	543.6	553.1	566.7	583.2	603.3	626.2	644.5	658.7	659.6	655.6
50°	576.2	578.4	586.3	598.6	615.5	635.9	658.7	684.3	699.2	702.8	698.5
52.5°	621.4	621.9	628.4	639.7	656.2	675.7	699.9	727.7	747.4	750.3	743.3
55°	683.8	683.2	687.5	699.7	712.1	727.3	752.4	783.6	805.5	810.1	802.8
57.5°	768.7	768.0	771.6	774.5	797.8	812.5	837.2	867.1	888.3	901.4	889.0
60°	900.1	899.4	905.3	922.5	939.9	961.4	985.4	1021.1	1051.0	1054.8	1042.6
62.5°	995.3	998.7	1011.6	1031.7	1067.0	1109.1	1153.0	1200.0	1261.3	1280.8	1274.9
65°	962.1	968.9	986.7	1017.3	1064.3	1122.5	1191.2	1276.5	1358.6	1404.5	1403.2
66°	932.2	939.7	961.6	991.0	1040.8	1104.4	1179.5	1272.4	1364.3	1414.9	1418.1
67.5°	877.9	886.3	907.8	942.6	991.0	1058.7	1139.4	1240.5	1344.4	1403.4	1411.8
70°	772.3	781.8	797.4	826.1	873.9	934.2	1019.3	1109.8	1218.6	1286.2	1296.4
72.5°	645.6	654.0	671.4	694.9	734.1	772.1	838.8	905.5	983.3	1060.5	1053.0
75°	463.5	467.1	477.5	503.1	524.1	558.3	611.9	666.6	719.8	755.1	760.1
77.5°	240.9	250.4	265.1	293.4	316.2	347.0	381.8	423.0	461.9	494.3	485.4
80°	157.7	161.7	174.9	189.3	206.1	225.8	249.1	264.4	269.4	267.4	269.4
82.5°	90.9	98.4	115.8	126.9	139.3	146.1	164.7	182.3	192.3	179.8	175.3
85°	11.5	14.9	47.1	59.3	67.9	78.0	83.7	94.3	88.0	78.7	95.9
87.5°	2.5	2.3	3.2	6.8	7.0	5.9	11.1	11.8	7.2	3.6	4.5
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):

	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°
0°	270.3	270.3	270.3	270.3	270.3	270.3	270.3	270.3	270.3	270.3	270.3
2.5°	267.6	267.8	268.3	269.0	269.4	269.9	270.3	271.0	271.5	271.9	272.8
5°	266.5	267.4	268.3	269.2	270.3	272.1	273.3	274.2	275.1	276.9	277.6
7.5°	265.8	267.4	268.7	270.3	272.1	273.7	275.8	276.9	278.2	279.4	280.7
10°	265.3	267.6	269.0	271.2	273.3	274.8	277.1	278.5	280.0	281.4	282.1
12.5°	266.2	267.4	268.7	271.0	273.5	275.8	278.2	279.4	280.7	281.9	282.1
15°	270.1	270.1	270.3	272.1	274.6	276.4	278.5	279.6	280.3	281.0	281.0
17.5°	277.1	275.5	274.4	274.6	276.2	277.3	278.5	278.5	278.0	277.8	277.3
20°	285.3	283.2	281.0	279.4	278.9	278.0	277.3	275.1	273.3	271.7	270.5
22.5°	297.0	293.8	290.7	287.7	285.0	281.6	277.8	273.3	269.0	266.0	264.2
25°	311.5	309.0	305.2	300.6	297.2	290.9	285.9	279.4	273.9	270.1	266.9
27.5°	332.1	329.1	325.5	321.4	316.5	309.5	303.3	295.7	289.1	283.4	279.4
30°	357.6	353.8	351.1	346.1	342.7	334.8	328.7	319.2	306.5	297.5	291.8
32.5°	383.9	379.6	377.3	373.5	369.6	364.9	355.6	340.9	324.6	309.9	300.2
35°	418.9	414.4	410.3	407.0	401.3	392.5	384.3	366.7	344.3	323.7	307.4
37.5°	463.1	455.6	445.4	436.8	426.9	414.2	401.7	383.7	358.1	331.4	309.7
40°	510.1	497.0	482.5	466.4	449.3	430.9	416.7	398.4	369.6	338.0	308.1
42.5°	559.2	538.4	518.2	495.6	471.6	449.9	431.4	411.3	378.2	339.8	301.8
45°	607.8	584.5	554.0	524.4	494.0	467.1	446.3	423.7	386.1	340.4	293.4
47.5°	648.1	624.1	589.3	552.2	516.2	485.7	461.2	436.8	396.8	345.2	291.4
50°	690.6	661.4	622.8	578.9	538.2	504.0	478.0	452.6	411.7	357.4	297.9
52.5°	737.0	703.5	658.3	609.2	564.6	526.4	498.1	472.1	430.7	374.6	310.4
55°	793.5	752.6	703.5	648.1	600.4	558.1	526.8	496.1	453.3	395.0	326.0
57.5°	880.0	829.7	774.5	711.4	658.5	608.5	571.2	535.7	488.4	425.3	347.2
60°	1036.3	982.7	910.9	834.5	772.3	713.9	659.2	615.1	556.9	485.0	394.3
62.5°	1260.2	1189.0	1093.3	986.3	904.8	820.7	758.9	693.3	621.2	543.6	449.7
65°	1384.6	1298.2	1170.2	1046.0	941.3	849.9	771.4	695.4	615.3	541.1	462.6
66°	1400.0	1310.0	1177.0	1046.2	936.3	842.4	759.8	681.1	599.2	528.4	457.2
67.5°	1393.7	1301.6	1164.5	1026.5	914.8	813.9	728.6	647.0	565.3	499.2	439.1
70°	1289.9	1202.5	1067.9	934.2	828.2	728.6	647.2	566.9	492.0	435.5	391.1
72.5°	1071.1	996.5	879.5	774.5	691.3	609.2	540.2	463.5	400.2	358.3	332.1
75°	773.2	727.9	621.4	561.2	488.2	433.6	366.7	321.2	275.8	255.4	250.9
77.5°	488.4	427.5	359.9	296.3	243.6	202.0	157.2	133.5	111.3	109.0	131.7
80°	247.2	222.6	171.5	136.6	114.9	93.0	73.5	55.6	38.9	46.8	56.1
82.5°	162.0	135.0	105.9	87.1	75.8	62.9	48.9	33.9	24.9	28.1	38.5
85°	87.5	74.6	60.2	47.5	38.5	34.4	23.1	16.3	16.1	17.2	21.9
87.5°	6.3	6.3	5.0	4.5	5.4	4.5	4.1	4.1	3.8	4.1	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):

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	270.3	270.3	270.3	270.3	270.3	270.3	270.3	270.3	270.3	270.3	270.3
2.5°	273.3	273.9	274.2	275.3	276.0	276.4	276.9	276.9	277.1	277.8	278.0
5°	278.5	279.6	281.0	281.9	282.3	283.7	284.1	284.1	284.6	285.5	286.2
7.5°	281.6	283.2	284.6	285.0	285.9	286.4	287.1	287.5	287.5	288.4	288.9
10°	282.8	283.7	285.0	285.0	285.9	285.9	286.6	286.8	286.8	287.7	288.4
12.5°	282.8	283.2	284.3	284.3	285.0	285.3	286.2	286.8	287.1	288.2	289.1
15°	281.4	281.9	282.8	283.0	284.6	285.5	287.5	288.9	288.9	290.0	290.5
17.5°	277.6	278.7	280.5	282.3	285.3	287.3	289.8	290.9	290.0	289.3	288.6
20°	271.2	273.3	277.6	282.1	287.3	290.0	291.4	290.2	287.1	283.9	281.9
22.5°	264.9	269.0	276.2	283.0	288.9	290.7	290.0	285.9	280.7	276.9	274.2
25°	267.8	272.6	279.6	285.7	289.5	289.1	286.4	280.7	275.1	270.1	265.6
27.5°	280.0	285.3	289.1	291.1	290.7	287.5	283.2	276.9	270.1	263.5	257.2
30°	291.6	294.3	295.2	293.6	290.0	284.8	279.4	272.1	263.1	254.9	247.7
32.5°	296.8	294.1	289.8	285.5	279.6	275.1	267.6	259.7	248.4	238.7	231.4
35°	296.8	285.9	275.1	266.0	257.2	251.5	242.9	232.3	221.9	213.8	208.1
37.5°	290.2	269.4	251.5	236.8	225.8	219.7	206.8	197.3	188.4	185.7	182.1
40°	278.2	247.5	221.7	202.5	188.4	179.4	166.5	159.9	156.5	155.2	154.5
42.5°	262.2	223.0	188.7	164.9	149.8	139.6	131.0	126.9	126.7	126.5	126.5
45°	245.0	196.8	156.5	128.3	114.9	105.9	101.8	100.2	101.6	101.3	101.6
47.5°	234.4	176.9	127.1	97.0	86.9	81.0	78.9	79.6	80.8	80.3	80.3
50°	233.0	166.7	107.4	75.6	67.9	64.9	64.5	64.5	65.1	64.7	64.5
52.5°	238.0	165.1	97.3	64.9	58.8	56.3	55.9	55.6	55.4	54.1	52.9
55°	246.6	168.8	94.3	62.2	55.9	53.2	52.5	52.0	51.1	49.3	47.3
57.5°	263.8	180.1	97.0	63.6	56.8	54.5	53.8	53.8	52.0	49.1	46.1
60°	305.2	208.8	108.1	68.8	61.1	58.8	59.3	59.0	56.3	52.0	47.5
62.5°	358.5	246.3	122.6	76.0	66.5	66.1	68.3	67.9	63.3	56.8	50.2
65°	383.2	264.0	126.7	77.6	67.6	69.7	74.2	73.7	68.1	59.0	50.7
66°	383.7	264.0	124.9	76.2	66.1	68.5	73.1	72.8	67.2	58.1	49.8
67.5°	374.4	256.7	119.7	73.5	62.9	64.7	68.8	68.5	63.3	55.9	48.0
70°	339.5	229.8	106.3	68.8	58.6	57.7	59.0	58.1	54.7	49.5	44.1
72.5°	290.9	193.0	92.7	65.1	55.6	52.0	51.1	50.4	47.7	44.8	41.4
75°	229.2	152.7	81.4	62.4	52.9	48.2	46.6	45.7	43.9	41.8	39.1
77.5°	141.4	109.3	71.0	58.8	50.9	46.1	45.0	43.7	40.9	38.5	36.4
80°	63.1	67.6	58.4	51.3	45.5	41.2	39.4	37.3	34.6	33.0	31.9
82.5°	42.1	43.7	42.3	38.5	34.4	31.0	28.3	28.3	27.8	26.5	26.0
85°	26.9	27.1	26.2	23.8	22.2	20.1	19.0	19.2	20.1	19.9	19.7
87.5°	6.1	6.1	7.2	6.8	7.9	8.4	9.0	9.7	11.1	11.1	11.8
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):

	160°	165°	170°	175°	180°
0°	270.3	270.3	270.3	270.3	270.3
2.5°	278.2	278.7	279.1	278.5	278.7
5°	286.2	285.9	287.1	286.4	286.8
7.5°	288.6	288.9	289.8	289.8	290.0
10°	288.9	289.3	290.5	291.1	291.6
12.5°	290.0	290.9	292.7	293.2	293.2
15°	290.9	291.4	292.5	292.9	293.4
17.5°	287.7	286.8	287.3	287.5	287.3
20°	279.8	278.9	278.7	277.8	278.2
22.5°	271.2	268.7	267.2	265.3	265.3
25°	260.8	257.0	253.8	250.6	251.3
27.5°	251.1	246.1	242.9	240.9	240.5
30°	241.6	236.4	233.4	231.0	231.0
32.5°	225.8	222.1	218.3	216.7	216.5
35°	203.8	201.6	198.4	197.7	196.6
37.5°	179.2	178.5	175.8	175.5	174.4
40°	153.4	153.8	152.9	152.5	151.8
42.5°	127.6	129.8	129.4	129.2	128.7
45°	102.9	104.5	104.7	105.4	106.5
47.5°	81.0	81.4	81.9	81.7	81.9
50°	63.3	62.2	62.0	61.3	62.0
52.5°	51.1	49.3	48.4	47.5	47.1
55°	45.0	43.2	42.3	41.8	41.4
57.5°	43.4	41.6	40.3	39.4	39.1
60°	43.9	41.2	39.4	38.2	38.0
62.5°	45.0	41.4	38.9	37.8	37.6
65°	44.8	40.9	38.7	37.3	37.1
66°	44.1	40.5	38.2	37.1	36.9
67.5°	43.0	39.8	37.8	36.9	36.4
70°	40.9	38.9	37.3	36.2	35.7
72.5°	39.1	37.6	36.2	35.1	34.8
75°	37.1	35.7	34.4	33.5	33.3
77.5°	34.6	33.3	32.3	31.7	31.4
80°	30.5	29.6	28.7	27.8	27.8
82.5°	25.3	24.7	23.8	23.1	22.8
85°	19.5	19.5	18.8	18.1	17.9
87.5°	11.5	11.3	11.3	10.6	10.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)