

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: P181482

Luminaire Tested: **ICS-F01-LED-E1-T3-8030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P181482
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33672)
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-T3-8030
Description: ICON SITE SMALL LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 3
Light Source: (7) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1933.9 lumens
Efficiency: N/A
Efficacy: 74.7 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 1' x H: 0.1')
IES Classification: Type III - Short - Semi-Cutoff
BUG Rating: B1 - U0 - G1

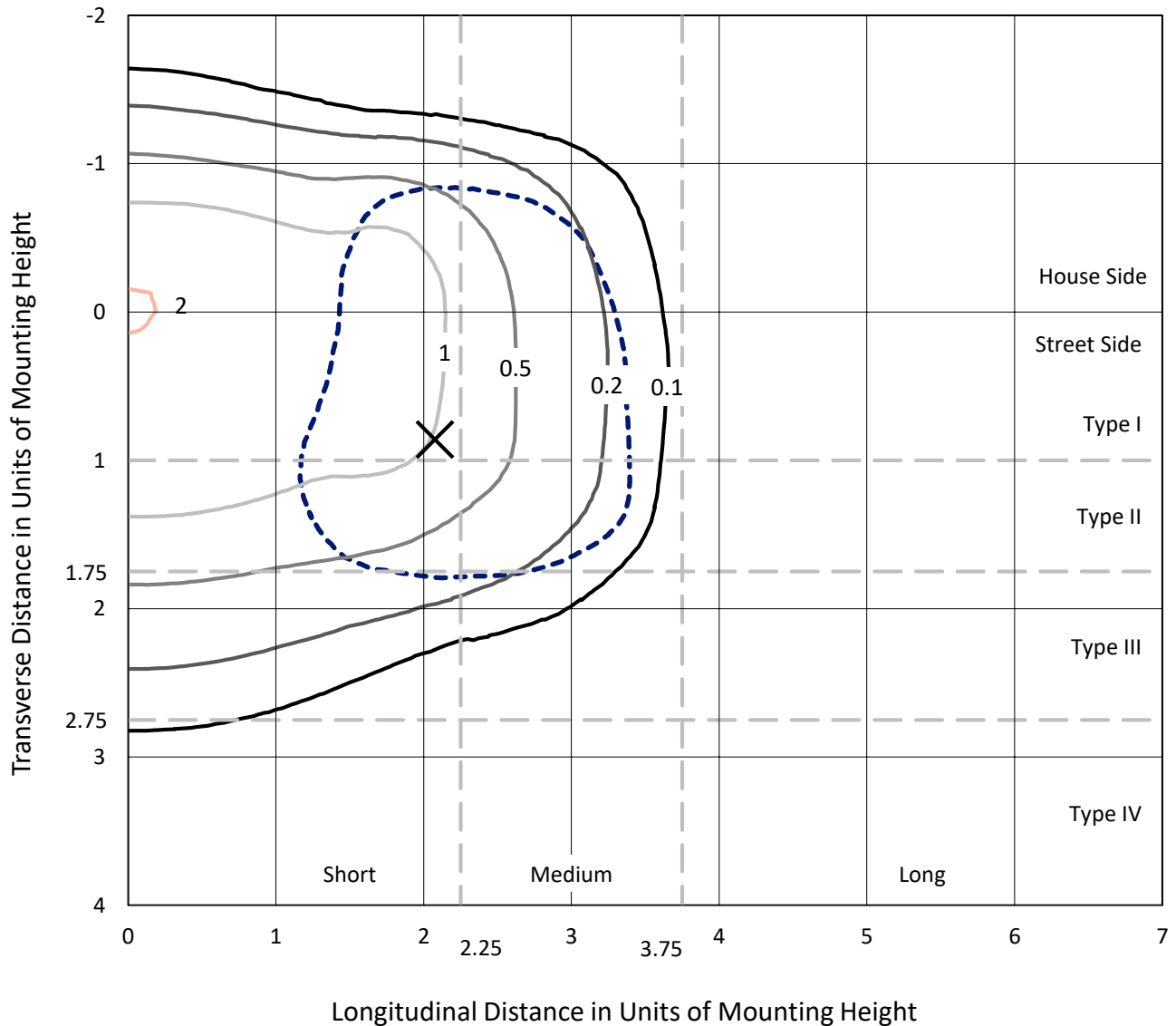
Input Watts (W): 25.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

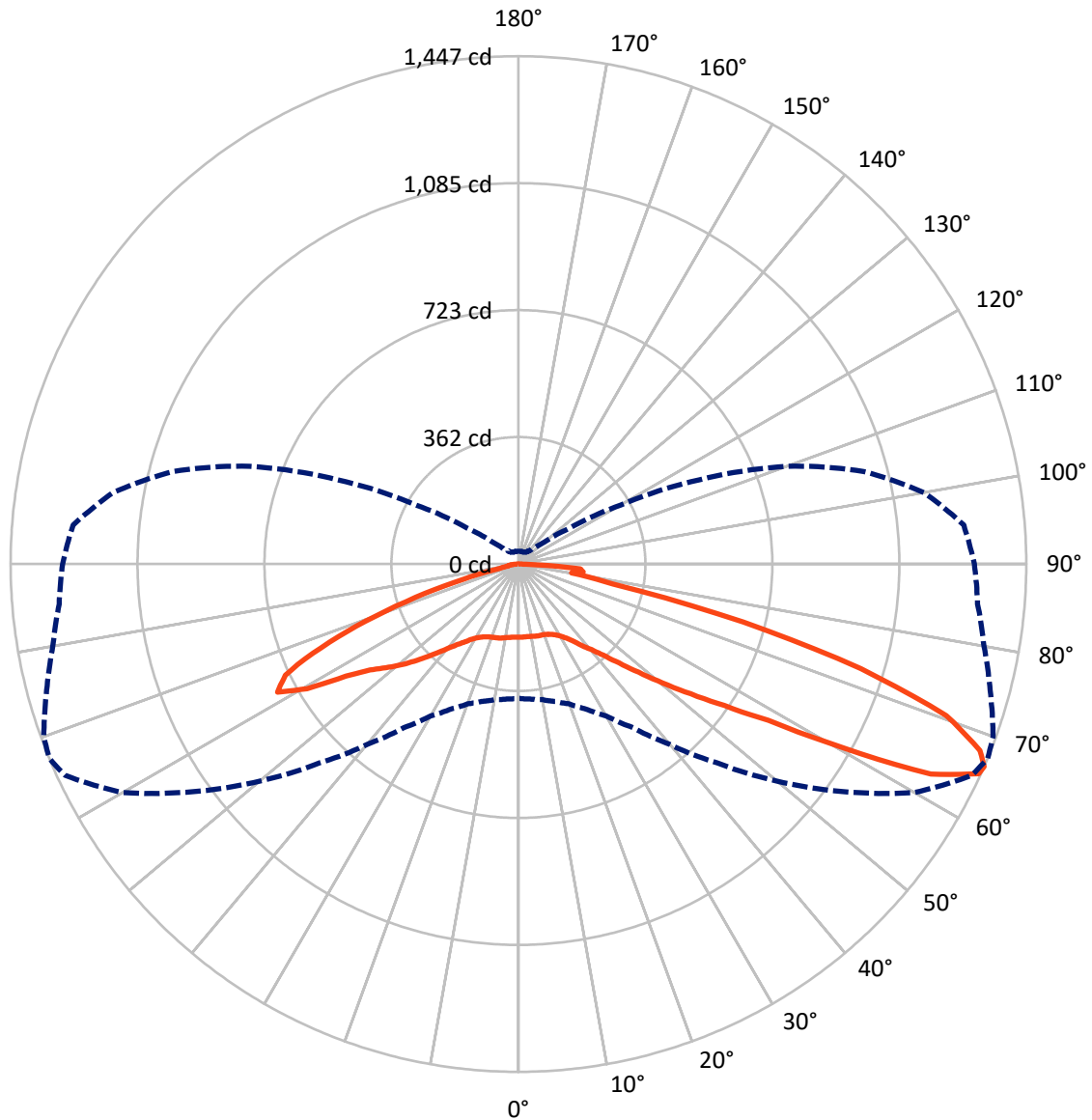
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.1 fc
 Type III - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 67.5-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	667.8	0.0	667.8
	% Fixture	34.5	0.0	34.5
Street Side	Lumens	1266.1	0.0	1266.1
	% Fixture	65.5	0.0	65.5
Total	Lumens	1933.9	0.0	1933.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.0	1.0
10°-20°	58.9	3.0
20°-30°	101.2	5.2
30°-40°	164.4	8.5
40°-50°	274.5	14.2
50°-60°	432.2	22.3
60°-70°	589.3	30.5
70°-80°	255.1	13.2
80°-90°	38.4	2.0
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°	1933.9	100.0
0°-180°	1933.9	100.0



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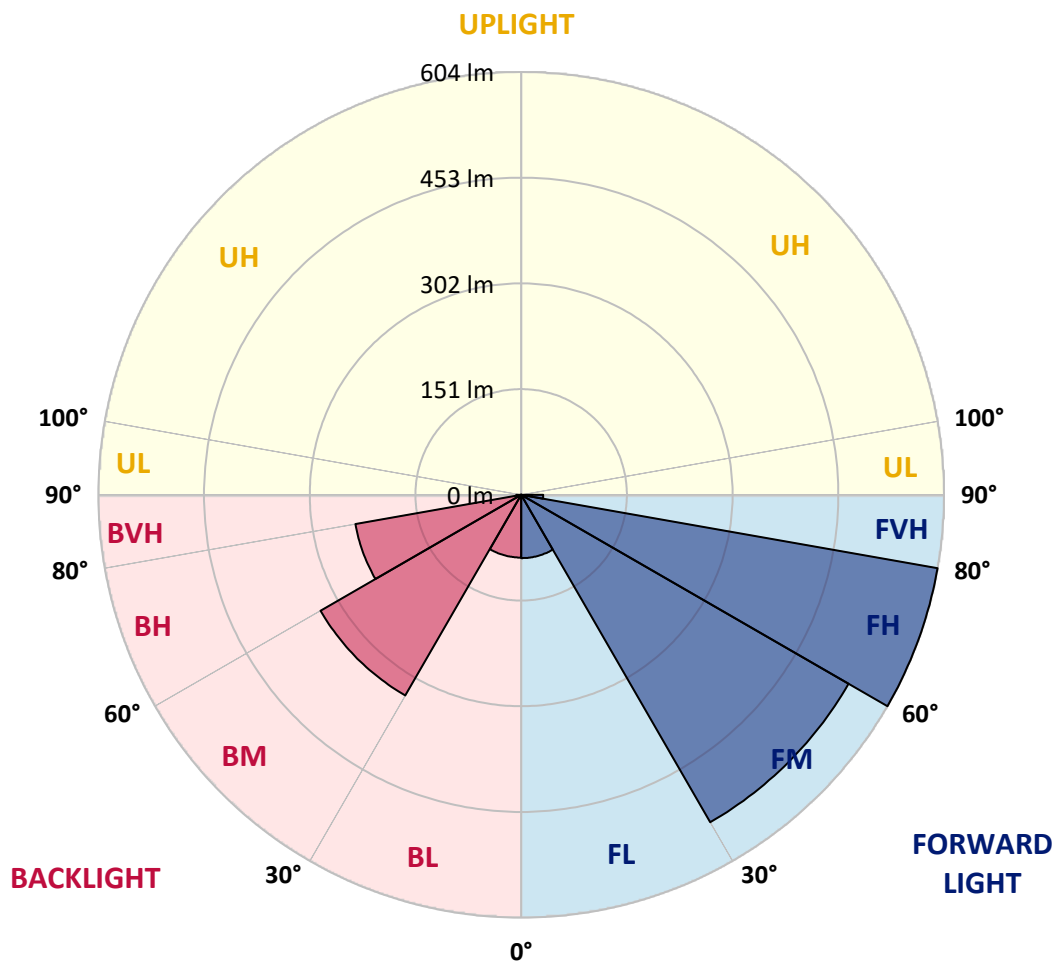
CATALOG NUMBER: ICS-F01-LED-E1-T3-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	90.5	4.7			
FM (30°-60°)	540.1	27.9			
FH (60°-80°)	604.0	31.2			G0/660
FVH (80°-90°)	31.5	1.6			G1/100
BL (0°-30°)	89.6	4.6	B0/110		
BM (30°-60°)	330.9	17.1	B1/1000		
BH (60°-80°)	240.4	12.4	B1/500		G1/500
BVH (80°-90°)	6.9	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 III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	208.4	208.4	208.4	208.4	208.4	208.4	208.4	208.4	208.4	208.4	208.4
2.5°	209.2	210.1	209.2	209.5	209.7	209.5	209.2	209.2	208.6	209.0	209.5
5°	208.4	209.0	208.8	209.0	209.2	209.0	208.8	209.0	208.6	208.8	209.5
7.5°	207.4	207.2	207.4	207.8	208.2	208.2	208.2	208.4	208.2	208.2	208.8
10°	204.2	204.4	204.9	205.5	205.7	206.3	206.3	206.9	207.2	207.6	208.4
12.5°	200.3	200.5	200.9	201.3	202.3	203.4	203.4	204.9	205.5	206.5	208.0
15°	197.3	197.5	198.0	198.4	199.2	200.3	200.9	202.6	203.6	205.5	207.6
17.5°	199.0	198.8	199.2	199.4	199.4	200.3	200.3	201.5	202.8	204.4	207.2
20°	203.8	203.8	204.2	204.2	204.0	204.4	203.6	203.6	203.8	204.6	206.5
22.5°	208.6	208.4	209.2	209.7	209.9	210.5	209.7	209.5	208.4	207.8	208.4
25°	213.2	213.0	214.0	214.7	215.7	216.3	216.3	216.3	215.5	214.5	213.8
27.5°	220.3	220.3	221.4	222.0	222.8	224.1	224.7	224.7	224.9	223.5	222.4
30°	232.2	232.4	232.7	233.5	234.3	234.7	235.6	236.2	236.8	236.0	234.3
32.5°	246.4	245.2	245.2	246.4	247.5	248.7	249.2	250.0	251.3	250.6	250.4
35°	263.4	263.0	262.5	263.0	264.2	265.7	267.4	268.8	268.0	269.2	268.6
37.5°	288.5	288.9	289.1	289.1	288.9	289.3	290.1	291.6	291.2	291.6	292.4
40°	329.9	328.4	326.9	327.1	325.0	325.5	322.1	323.6	323.8	322.3	323.0
42.5°	371.2	372.1	372.7	374.4	372.9	372.1	368.9	368.9	367.3	365.8	365.4
45°	416.0	417.6	417.9	421.2	419.9	422.7	425.0	424.3	421.6	421.4	418.5
47.5°	451.7	454.4	457.4	461.3	464.5	470.5	477.6	481.2	483.3	485.0	481.6
50°	478.5	479.7	487.3	493.5	500.4	510.5	520.3	533.0	543.3	548.1	552.7
52.5°	492.9	496.0	504.2	514.0	526.1	541.2	557.1	577.3	594.9	606.6	617.1
55°	496.0	499.2	508.4	520.9	537.4	557.7	580.5	608.1	634.4	657.0	678.9
57.5°	487.3	490.8	500.6	515.1	534.5	559.2	587.8	624.0	660.3	696.9	729.3
60°	471.2	475.5	484.5	498.8	520.3	548.1	582.4	627.7	678.7	734.7	796.8
62.5°	444.6	449.2	457.6	473.2	495.4	526.1	565.8	622.3	694.4	782.6	892.8
65°	402.0	404.1	414.3	430.2	449.8	483.7	527.4	595.5	689.4	812.1	963.8
66°	382.7	386.3	392.6	405.3	424.1	455.9	499.8	569.0	670.4	801.8	962.0
67.5°	352.6	355.4	359.5	368.1	379.6	403.0	444.6	510.0	612.3	750.0	922.0
70°	285.1	286.4	292.0	294.9	298.9	306.6	321.7	359.3	439.0	568.4	744.2
72.5°	194.4	198.0	204.0	212.4	223.2	233.7	240.8	245.6	262.8	339.0	495.8
75°	142.6	146.3	154.1	165.1	184.2	205.9	228.5	238.9	231.8	222.0	276.1
77.5°	82.8	87.8	94.3	104.9	122.5	151.3	190.0	224.3	247.5	249.0	236.4
80°	34.9	35.5	39.5	44.9	55.8	76.1	106.2	155.5	206.9	241.6	249.8
82.5°	7.9	9.8	12.5	14.8	18.2	25.1	37.2	61.9	111.8	175.4	228.7
85°	2.9	2.9	4.0	5.9	6.7	7.5	9.8	15.7	26.8	49.3	102.8
87.5°	0.0	0.2	0.4	0.4	0.8	1.0	1.7	2.3	2.1	1.9	6.3
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°	67.5°	70°	75°	80°	85°	90°	95°	100°
0°	208.4	208.4	208.4	208.4	208.4	208.4	208.4	208.4	208.4	208.4	208.4
2.5°	209.0	208.8	208.4	208.4	208.4	208.4	208.0	208.2	207.8	208.0	208.0
5°	208.8	208.8	208.6	208.2	208.4	208.4	208.6	208.2	208.2	208.4	208.2
7.5°	208.8	208.6	208.6	208.6	208.8	208.6	208.8	208.8	208.8	209.0	209.0
10°	208.8	208.8	209.2	209.5	209.5	209.7	210.3	210.3	210.5	210.7	211.1
12.5°	209.0	209.9	210.5	211.1	211.3	211.7	212.8	212.8	213.2	213.8	214.0
15°	209.2	210.5	211.7	212.2	212.6	213.4	214.5	214.9	215.5	216.1	216.6
17.5°	209.0	210.7	212.2	212.8	213.4	214.5	215.7	216.1	217.0	217.8	218.6
20°	208.8	211.1	213.4	214.3	215.1	216.6	218.2	219.3	220.1	221.4	222.2
22.5°	210.1	212.8	215.9	217.2	218.6	220.5	222.8	224.1	225.1	226.4	227.0
25°	214.0	216.1	219.9	222.0	223.9	227.0	230.1	231.6	232.9	233.9	234.1
27.5°	220.7	221.4	226.0	228.7	231.4	236.4	240.2	241.2	243.5	244.4	244.1
30°	231.6	230.6	234.3	238.5	242.5	249.4	254.0	256.7	258.8	258.8	257.1
32.5°	247.3	245.6	246.7	251.5	256.1	266.1	271.5	275.1	276.5	276.1	272.6
35°	267.8	266.7	266.1	269.9	277.2	288.9	296.0	297.9	300.2	299.8	295.2
37.5°	292.0	291.2	291.2	295.6	302.7	320.0	327.8	329.0	328.8	325.5	316.9
40°	320.7	320.2	318.4	320.9	326.9	349.5	360.0	361.6	359.3	353.9	343.9
42.5°	361.8	359.3	353.5	354.9	359.5	381.5	395.1	399.7	397.4	391.9	375.6
45°	415.6	412.8	403.0	401.8	404.3	423.5	441.1	442.1	441.7	434.8	415.6
47.5°	478.7	474.5	464.1	460.7	459.9	477.6	494.6	496.2	495.2	485.0	459.2
50°	547.0	541.0	534.1	531.8	528.4	541.2	558.3	558.5	554.4	540.1	516.1
52.5°	620.0	617.9	616.6	614.3	612.9	624.0	634.4	628.1	621.9	607.0	586.1
55°	693.6	702.1	710.9	711.8	714.3	726.2	726.0	708.8	704.2	696.1	675.4
57.5°	771.7	803.5	831.1	839.7	848.0	870.2	868.1	851.2	845.3	835.3	818.2
60°	878.1	963.8	1043.5	1062.5	1075.7	1102.2	1099.7	1073.6	1085.7	1084.9	1062.7
62.5°	1027.2	1169.7	1289.1	1318.4	1327.6	1330.5	1314.6	1286.4	1298.3	1311.7	1243.5
65°	1128.1	1295.8	1418.3	1440.9	1442.1	1407.2	1371.9	1338.6	1335.7	1324.2	1226.8
66°	1130.4	1302.1	1425.0	1446.9	1439.2	1391.5	1346.8	1313.3	1298.9	1273.6	1172.7
67.5°	1089.9	1263.0	1395.3	1418.5	1401.6	1334.0	1272.4	1229.3	1201.1	1160.1	1071.1
70°	915.4	1087.0	1250.0	1293.3	1298.7	1198.0	1112.5	1061.9	1023.8	967.6	890.9
72.5°	680.6	835.7	979.5	1020.9	1042.0	961.5	889.4	851.0	798.9	739.8	685.2
75°	426.6	536.2	632.5	661.6	641.7	579.4	536.2	520.1	468.9	433.5	408.7
77.5°	243.9	278.2	286.0	274.9	251.5	192.5	136.9	101.4	88.0	97.4	107.4
80°	238.1	218.2	173.9	153.0	138.6	95.3	56.0	38.5	32.0	32.8	35.5
82.5°	257.9	276.8	227.8	185.8	155.9	105.4	58.1	30.9	20.9	24.7	27.8
85°	167.6	233.3	210.1	177.1	143.4	90.1	47.9	16.1	10.7	14.0	19.2
87.5°	16.9	18.6	15.9	21.5	16.1	7.5	3.8	2.3	2.1	2.5	3.8
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):

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	208.4	208.4	208.4	208.4	208.4	208.4	208.4	208.4	208.4	208.4	208.4
2.5°	208.2	208.2	208.4	208.6	208.8	209.0	209.0	209.0	209.0	209.5	209.2
5°	208.6	209.0	209.5	209.7	210.1	210.1	210.7	210.5	210.5	211.1	211.3
7.5°	209.5	210.1	210.9	210.7	211.5	211.3	211.7	211.7	211.1	211.3	210.9
10°	211.3	212.2	212.6	212.0	212.2	211.3	211.1	210.1	208.8	208.2	207.4
12.5°	214.5	215.3	215.3	214.3	213.0	211.1	209.7	207.4	205.5	204.4	203.4
15°	217.2	218.0	217.8	216.1	214.3	211.3	209.2	206.5	203.8	202.1	201.1
17.5°	219.3	219.7	219.1	216.8	214.7	212.0	209.9	206.9	203.8	201.7	199.8
20°	222.4	222.0	220.5	217.6	215.3	212.8	211.1	208.6	205.1	202.3	199.6
22.5°	227.0	225.3	222.6	219.5	217.2	214.9	213.2	210.5	206.9	203.6	200.5
25°	233.1	229.7	226.0	222.6	220.5	218.0	216.1	213.2	209.5	205.7	201.9
27.5°	241.9	236.0	231.2	228.3	226.0	222.8	220.5	216.8	212.8	208.4	204.2
30°	251.7	243.7	239.1	236.8	234.3	231.0	227.4	222.6	218.0	213.2	208.2
32.5°	264.4	254.8	250.4	248.1	244.8	240.6	236.4	231.0	224.5	218.2	212.2
35°	281.1	271.3	266.7	263.2	258.6	253.1	247.1	239.8	231.0	222.6	214.9
37.5°	299.1	288.5	284.1	280.3	273.4	266.3	257.7	247.1	235.2	224.1	214.5
40°	321.9	312.1	306.4	300.0	291.8	279.5	266.1	250.6	235.4	221.8	210.5
42.5°	350.8	340.9	332.6	322.3	308.1	289.1	270.1	250.0	231.6	216.1	204.0
45°	389.0	377.1	362.7	344.7	321.7	295.2	270.3	246.0	224.5	207.4	194.4
47.5°	435.8	417.6	394.0	363.7	330.7	296.8	266.9	238.1	213.4	194.8	180.4
50°	491.4	462.8	423.9	379.4	335.3	294.3	258.6	226.2	197.7	177.9	160.7
52.5°	555.0	508.2	450.9	390.7	335.1	286.0	244.4	208.2	177.3	155.1	138.8
55°	629.6	560.0	478.7	399.0	329.2	270.5	222.6	182.9	152.0	131.5	116.4
57.5°	738.9	644.0	527.2	412.0	317.5	246.7	193.1	152.6	125.4	106.0	93.2
60°	938.8	784.3	614.6	438.1	299.5	211.7	158.7	120.2	97.4	81.7	73.2
62.5°	1089.3	892.8	661.8	432.3	263.4	168.7	117.7	87.6	71.7	61.0	55.6
65°	1067.7	859.1	611.4	372.3	206.5	118.9	78.2	59.6	49.3	44.3	41.2
66°	1019.0	815.2	567.7	335.1	178.5	98.9	64.4	50.0	42.4	38.9	36.8
67.5°	926.6	733.7	489.6	274.7	137.1	71.7	48.5	39.5	34.5	33.0	31.6
70°	770.3	585.1	343.6	159.9	70.0	39.9	30.7	27.6	26.3	26.1	25.7
72.5°	590.3	414.1	202.3	75.7	36.4	26.5	23.8	22.8	22.4	22.4	22.6
75°	361.8	232.7	89.5	37.0	25.5	22.4	21.1	20.7	20.5	20.7	20.5
77.5°	120.8	74.0	38.3	28.0	23.2	20.7	19.9	19.4	19.4	19.4	19.4
80°	37.0	32.2	29.3	25.9	21.9	19.6	18.4	18.2	18.4	18.6	18.0
82.5°	27.8	26.3	24.7	23.0	19.9	17.6	17.1	17.1	17.1	16.5	15.7
85°	20.5	20.3	16.7	15.7	14.6	14.6	14.6	14.6	14.0	13.0	12.1
87.5°	3.8	3.6	3.8	4.0	5.9	6.3	6.3	6.7	7.3	6.9	6.9
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):

	160°	165°	170°	175°	180°
0°	208.4	208.4	208.4	208.4	208.4
2.5°	209.2	209.0	209.7	209.2	209.5
5°	211.1	210.9	211.3	210.9	211.5
7.5°	210.5	210.1	209.9	210.1	210.3
10°	206.1	205.7	205.5	205.3	205.5
12.5°	202.3	201.5	201.5	201.1	201.3
15°	199.6	199.0	198.8	198.4	198.6
17.5°	198.4	197.3	196.9	196.5	196.5
20°	197.5	196.3	195.7	195.2	195.0
22.5°	197.5	195.7	194.8	194.4	194.2
25°	198.4	196.1	194.8	194.2	194.0
27.5°	200.0	197.1	195.7	194.8	194.8
30°	203.0	199.2	197.1	196.1	195.9
32.5°	205.9	200.9	198.0	196.7	196.3
35°	207.4	200.9	197.3	195.2	194.8
37.5°	205.7	198.2	193.8	190.6	190.0
40°	200.5	192.5	187.7	184.8	184.4
42.5°	193.6	185.8	180.2	178.1	177.5
45°	184.2	175.0	169.3	166.4	166.6
47.5°	168.1	158.7	153.6	150.9	151.3
50°	149.0	139.8	135.5	132.5	133.2
52.5°	128.1	119.8	115.6	114.1	113.7
55°	106.2	99.7	96.8	95.1	94.5
57.5°	86.1	81.5	79.4	77.3	77.6
60°	67.9	65.6	65.0	62.7	62.5
62.5°	53.5	52.0	51.4	49.7	50.0
65°	40.6	40.1	40.6	39.5	39.9
66°	36.6	36.8	36.8	36.2	36.6
67.5°	31.6	32.0	32.6	32.0	32.4
70°	26.1	26.5	27.0	27.0	27.0
72.5°	22.8	23.2	23.4	23.4	23.4
75°	20.9	21.1	21.3	20.9	20.9
77.5°	19.6	19.6	19.2	19.0	18.8
80°	17.8	17.6	16.9	16.5	16.5
82.5°	14.8	14.4	14.0	13.4	13.4
85°	11.3	10.9	10.5	9.6	9.2
87.5°	5.9	6.1	5.9	4.8	4.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)