

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: P180623

Luminaire Tested: **ICS-F01-LED-E1-SL3-HSS**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180623
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33727)
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-SL3-HSS
Description: ICON SITE SMALL LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ SPILL LIGHT CONTROL AND HOUSE SIDE SHIELD
Light Source: (7) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1288.2 lumens
Efficiency: N/A
Efficacy: 49.7 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 1' x H: 0.1')
IES Classification: Type III - Short - Non-Cutoff
BUG Rating: B0 - U0 - G1

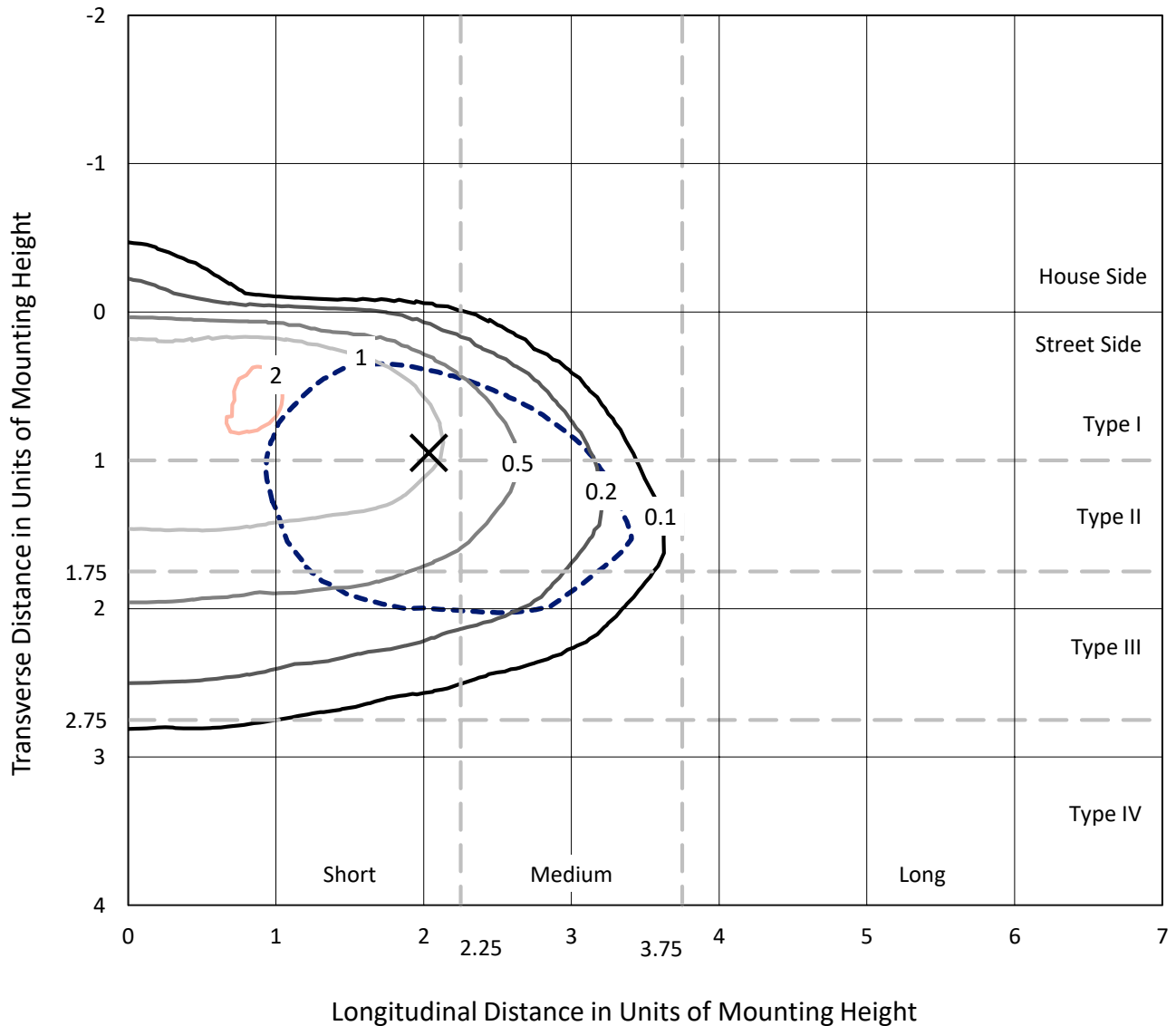
Input Watts (W): 25.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

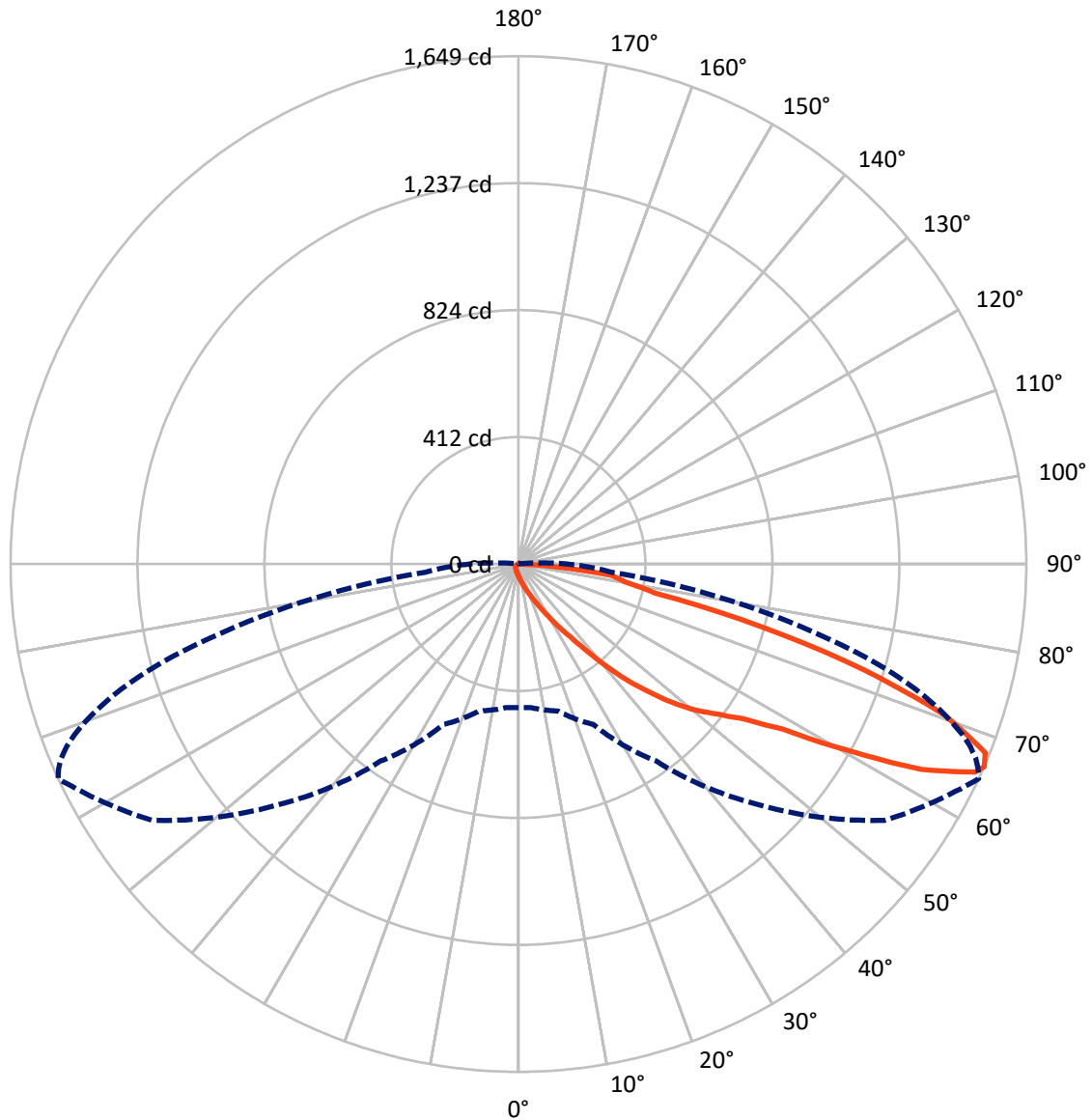


Based on 10 foot mounting height. Maximum calculated value = 2.1 fc
 Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical

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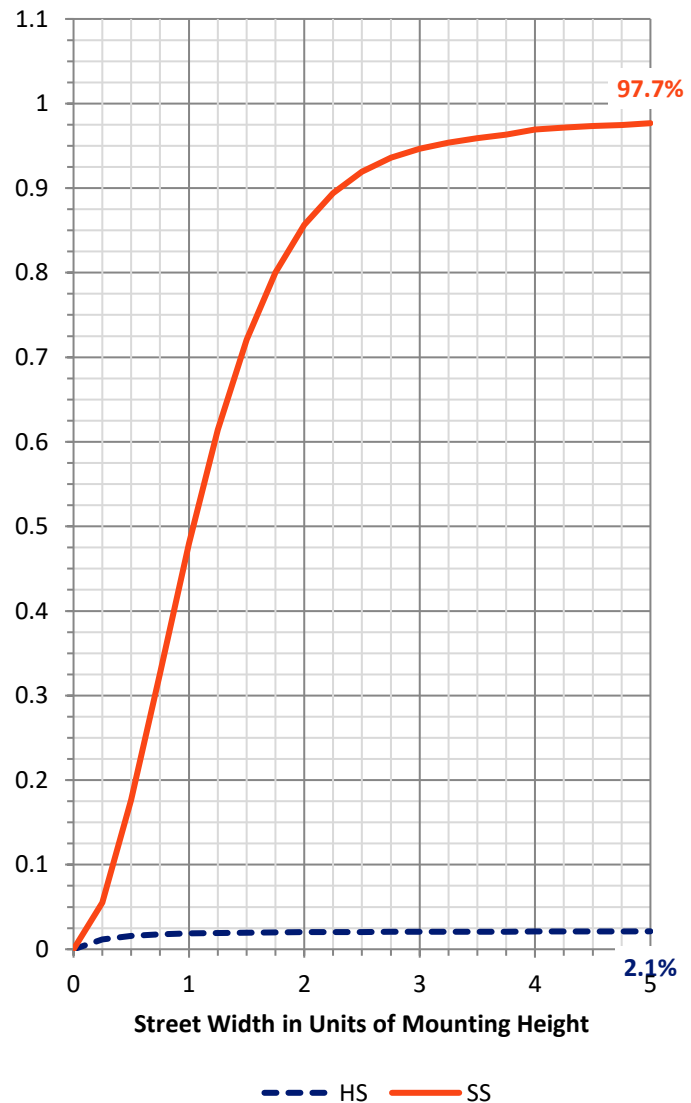
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	27.9	0.0	27.9
	% Fixture	2.2	0.0	2.2
Street Side	Lumens	1260.3	0.0	1260.3
	% Fixture	97.8	0.0	97.8
Total	Lumens	1288.2	0.0	1288.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.4	0.3
10°-20°	18.5	1.4
20°-30°	39.8	3.1
30°-40°	85.0	6.6
40°-50°	188.0	14.6
50°-60°	318.6	24.7
60°-70°	425.2	33.0
70°-80°	187.3	14.5
80°-90°	21.6	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°	1288.2	100.0
0°-180°	1288.2	100.0



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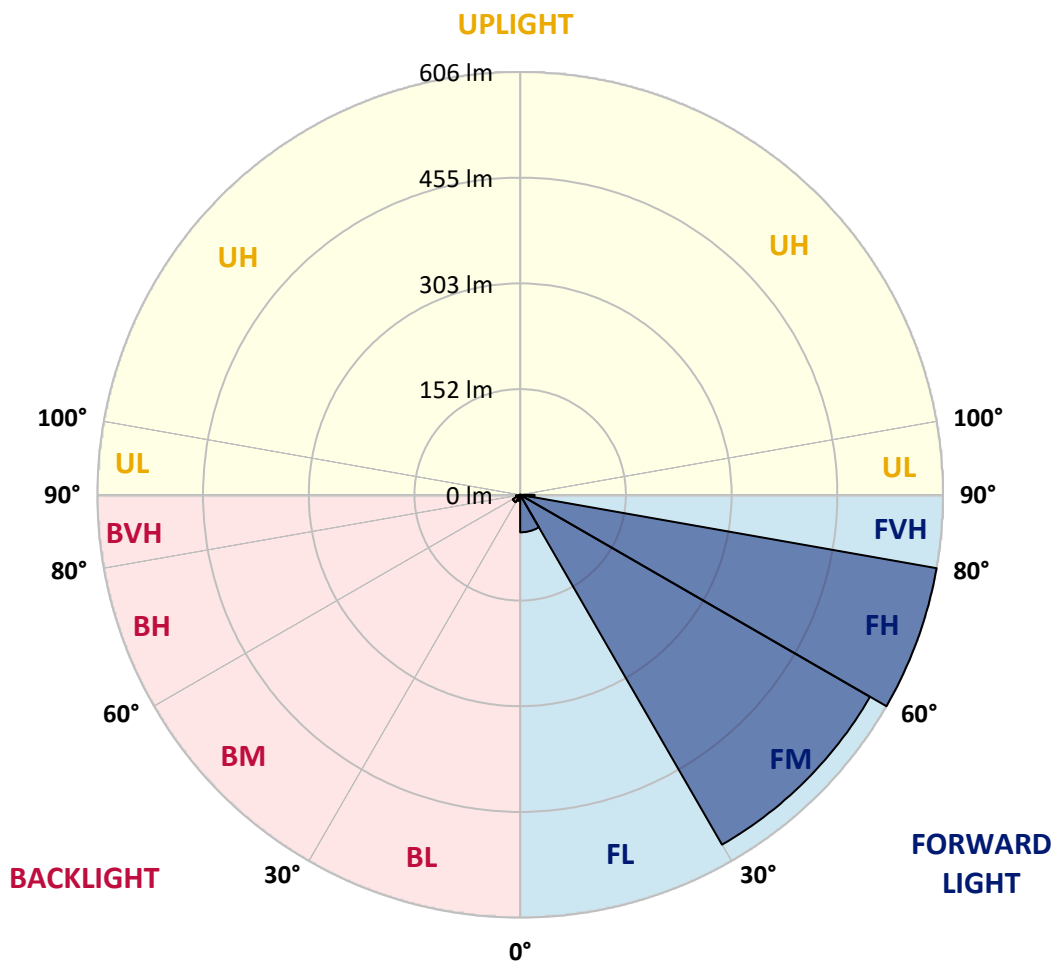
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	53.8	4.2			
FM	(30°-60°)	579.4	45.0			
FH	(60°-80°)	606.4	47.1			G0/660
FVH	(80°-90°)	20.7	1.6			G1/100
BL	(0°-30°)	8.8	0.7	B0/110		
BM	(30°-60°)	12.3	1.0	B0/220		
BH	(60°-80°)	6.0	0.5	B0/110		G0/110
BVH	(80°-90°)	0.9	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	67°	68°
0°	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9
2.5°	49.0	48.8	47.8	47.8	46.3	45.3	44.1	42.8	42.8	42.6	42.4
5°	64.9	63.4	63.2	60.4	58.2	55.0	52.0	48.0	47.6	47.1	46.8
7.5°	82.5	82.2	80.0	76.8	72.3	66.4	60.4	54.0	53.0	52.5	51.5
10°	105.3	104.0	101.0	95.6	88.9	81.0	71.3	61.2	59.9	58.9	58.5
12.5°	127.1	124.8	123.1	116.2	107.7	96.1	84.5	69.8	68.9	67.6	65.6
15°	147.4	145.4	142.4	136.5	127.1	112.4	98.8	81.0	78.5	76.8	75.3
17.5°	163.2	162.0	158.5	151.8	141.7	128.8	112.4	92.4	90.4	88.2	85.4
20°	178.3	176.6	171.1	162.0	151.1	141.2	128.5	107.2	104.5	101.8	98.8
22.5°	192.7	191.0	182.0	166.9	155.3	151.1	146.6	124.1	119.9	117.6	114.7
25°	212.7	209.0	195.2	171.1	155.5	158.8	166.4	145.9	141.9	138.7	134.0
27.5°	239.7	234.8	213.0	177.3	156.5	167.2	189.2	172.4	168.2	164.5	159.3
30°	270.2	267.0	241.0	192.2	163.7	179.6	214.7	206.1	201.1	196.7	190.5
32.5°	300.9	296.5	270.7	220.4	183.0	203.6	246.7	245.2	238.8	234.5	227.9
35°	327.9	325.7	306.6	266.7	227.1	245.7	289.3	291.0	285.3	280.9	273.4
37.5°	346.2	346.2	342.5	316.5	297.2	311.1	351.9	352.2	346.5	336.3	332.6
40°	355.7	358.4	371.8	376.7	375.7	393.5	434.2	429.7	425.0	419.8	407.4
42.5°	375.0	377.5	405.9	440.1	462.4	485.9	513.9	512.4	506.7	497.3	485.9
45°	407.7	410.9	444.8	499.1	544.9	578.3	596.1	589.2	583.5	574.6	568.7
47.5°	449.3	455.5	493.9	561.0	616.2	671.4	690.0	671.7	666.7	659.8	650.1
50°	493.6	499.6	540.4	617.2	679.6	745.5	776.4	745.5	738.3	736.1	725.2
52.5°	532.0	537.0	576.3	660.5	728.2	805.4	850.5	809.6	804.4	797.0	789.1
55°	554.8	558.7	595.6	681.3	761.1	859.4	922.1	886.2	878.5	875.5	864.1
57.5°	562.5	566.4	599.6	684.1	778.9	908.7	1009.0	1010.2	1001.1	990.4	987.0
60°	562.5	566.9	594.9	677.4	796.3	961.2	1124.9	1228.2	1208.4	1206.4	1193.8
62.5°	539.2	543.4	571.6	656.8	819.5	1032.0	1286.4	1468.7	1463.0	1450.1	1429.3
65°	488.7	491.1	518.9	604.3	810.6	1097.2	1426.3	1628.7	1619.5	1594.3	1567.5
66°	465.9	467.9	493.9	574.3	781.4	1106.1	1451.1	1648.7	1633.6	1612.3	1582.1
67.5°	432.9	436.4	454.7	518.6	711.3	1075.1	1435.5	1634.6	1621.5	1595.7	1565.5
70°	289.0	286.6	351.2	398.0	541.9	876.0	1287.9	1467.7	1467.9	1455.8	1443.7
72.5°	137.2	138.7	157.5	244.9	354.7	585.2	1025.1	1171.5	1188.3	1166.5	1151.4
75°	98.6	100.8	112.2	149.8	211.5	351.2	664.5	819.3	819.8	781.2	746.7
77.5°	28.7	30.0	42.1	92.4	158.5	237.0	381.7	455.5	444.8	417.1	391.1
80°	11.9	11.9	12.4	29.5	63.7	161.0	267.0	350.7	349.5	338.8	323.5
82.5°	4.5	4.7	5.9	12.1	15.1	39.6	178.1	304.4	303.6	288.5	277.6
85°	0.5	0.5	1.5	5.2	5.7	7.4	35.7	134.2	133.5	134.2	117.6
87.5°	0.0	0.0	0.2	0.5	0.7	1.0	1.5	5.2	5.7	5.4	5.0
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):

	69°	70°	71°	72°	73°	74°	75°	76°	77°	78°	79°
0°	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9
2.5°	42.4	41.9	41.9	41.6	41.6	41.6	41.4	41.1	41.1	40.9	40.6
5°	46.3	45.8	45.6	45.1	44.8	44.6	44.1	43.8	43.3	43.1	42.8
7.5°	51.0	50.0	49.8	49.0	48.3	47.8	47.3	46.6	46.1	45.1	44.8
10°	57.0	55.7	54.7	53.7	53.0	51.8	51.0	50.0	49.0	48.3	47.6
12.5°	64.6	62.9	61.4	60.4	58.7	57.2	55.7	55.0	53.0	52.0	50.8
15°	73.1	71.1	69.3	67.4	66.1	63.7	61.7	59.4	58.5	56.7	54.7
17.5°	84.0	80.7	78.0	76.0	73.6	71.1	68.9	66.6	63.7	61.7	59.2
20°	95.6	92.9	89.2	85.7	82.7	79.8	76.5	73.6	70.8	67.6	64.6
22.5°	110.5	106.5	102.0	98.6	94.6	91.4	86.9	83.0	78.5	74.3	70.8
25°	129.3	124.1	119.9	114.9	110.2	105.3	99.8	94.9	89.2	85.2	79.3
27.5°	152.6	147.6	141.9	135.5	130.8	123.3	116.2	110.0	103.3	97.1	90.4
30°	182.3	175.1	169.2	163.0	153.6	146.4	138.0	129.5	120.4	114.2	104.0
32.5°	218.0	210.3	201.4	192.4	183.8	173.6	163.2	152.8	142.7	131.3	120.9
35°	261.5	252.4	242.2	232.6	219.2	208.3	195.2	180.8	169.4	156.3	143.2
37.5°	319.2	304.1	295.2	285.1	267.0	252.1	237.5	223.2	203.1	189.2	170.6
40°	391.6	382.7	368.0	351.7	335.3	315.8	296.0	276.9	253.6	234.3	212.7
42.5°	476.5	463.4	448.5	425.0	408.4	385.4	362.8	337.6	309.1	284.3	259.1
45°	556.3	540.7	529.3	505.7	488.4	461.2	433.9	407.2	374.2	342.3	313.1
47.5°	642.5	629.6	610.8	591.7	574.1	543.4	513.9	481.5	446.8	408.9	371.0
50°	718.2	708.1	695.2	672.2	652.6	626.9	592.2	556.8	512.9	475.3	432.2
52.5°	782.6	774.7	756.6	740.3	722.7	698.4	667.5	633.5	586.2	544.9	495.8
55°	858.7	853.0	837.1	827.0	811.4	788.1	759.1	727.7	677.6	632.6	577.1
57.5°	983.3	978.8	964.9	960.7	945.4	925.1	889.4	855.7	797.3	741.3	677.9
60°	1189.6	1180.6	1160.3	1149.9	1117.5	1090.2	1043.9	997.6	927.0	855.7	779.4
62.5°	1410.5	1385.5	1346.8	1313.6	1267.6	1220.3	1158.4	1087.5	1004.8	920.1	832.4
65°	1529.6	1487.0	1438.2	1385.5	1325.8	1256.2	1178.2	1093.2	1004.3	914.9	822.3
66°	1543.2	1495.2	1443.4	1384.7	1318.4	1244.3	1165.0	1075.9	983.5	896.3	803.7
67.5°	1526.1	1475.9	1421.1	1356.0	1284.2	1207.4	1124.2	1031.5	942.6	854.2	764.1
70°	1406.5	1356.5	1307.7	1239.1	1162.6	1085.3	1006.5	903.0	818.8	737.6	657.3
72.5°	1123.2	1089.3	1041.0	982.3	907.7	817.1	751.4	658.8	585.7	507.0	444.8
75°	701.9	654.1	594.4	519.6	462.6	389.1	350.7	280.4	238.8	202.3	167.2
77.5°	358.9	323.0	281.1	239.0	198.6	158.5	122.6	86.7	58.5	40.6	30.2
80°	296.5	264.8	230.1	191.7	156.0	121.1	87.2	59.4	37.9	24.8	19.3
82.5°	244.9	218.2	187.2	151.6	120.6	95.1	66.1	43.1	26.7	17.3	13.6
85°	104.3	94.6	73.1	58.0	43.6	32.2	22.5	15.1	10.6	8.7	7.9
87.5°	4.5	5.0	4.7	3.7	2.7	2.7	2.5	2.0	2.0	2.0	2.0
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):

	80°	81°	82°	83°	84°	85°	95°	105°	115°	125°	135°
0°	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9
2.5°	40.6	40.4	40.1	40.1	39.9	39.6	38.1	36.9	35.4	34.4	33.4
5°	42.4	42.1	41.6	41.4	40.9	40.6	37.4	34.7	32.4	30.7	29.5
7.5°	44.1	43.8	43.1	42.4	42.1	41.6	36.4	32.9	30.0	28.0	26.7
10°	46.3	45.6	44.8	43.8	43.1	42.4	35.4	31.0	27.7	26.0	24.8
12.5°	49.5	48.3	47.1	45.8	44.8	43.6	34.9	29.2	26.0	24.0	22.8
15°	53.2	51.5	50.0	48.5	46.8	45.6	33.9	27.7	24.5	22.5	21.1
17.5°	56.7	54.7	52.5	50.3	48.5	46.8	32.9	26.3	23.0	21.1	19.6
20°	61.7	58.7	56.0	53.2	50.8	48.5	31.5	24.8	21.8	19.6	18.1
22.5°	67.1	63.7	60.2	56.5	53.2	50.3	30.2	23.5	20.6	18.3	16.6
25°	74.1	69.8	65.1	60.4	56.7	52.8	29.0	22.3	19.3	17.1	15.4
27.5°	83.7	77.8	72.6	66.6	60.9	56.5	28.0	21.3	18.1	15.9	14.1
30°	96.8	88.2	80.0	73.6	66.9	60.4	27.0	20.1	17.1	14.6	12.6
32.5°	111.5	101.3	91.9	82.2	73.8	66.4	26.0	19.1	15.9	13.4	11.6
35°	129.5	116.7	104.0	92.9	82.7	72.8	25.0	18.1	14.9	12.1	10.4
37.5°	155.5	139.4	122.8	108.5	95.4	82.2	24.3	17.1	13.6	10.9	9.2
40°	191.2	170.4	150.1	130.5	113.4	97.1	23.3	16.1	12.6	9.9	8.2
42.5°	229.8	204.6	177.8	155.8	132.3	111.7	22.3	15.1	11.6	8.9	7.2
45°	277.9	246.4	214.0	184.0	155.3	128.8	21.3	14.1	10.4	7.9	6.2
47.5°	330.4	290.3	253.6	216.0	181.8	150.1	20.1	13.4	9.4	6.9	5.4
50°	384.4	342.0	295.7	252.9	212.3	171.4	18.8	12.1	8.4	6.2	4.5
52.5°	442.6	392.6	345.3	292.0	244.7	199.4	17.6	11.1	7.7	5.4	3.7
55°	516.6	460.7	405.2	345.5	288.5	231.8	16.3	9.9	6.7	4.7	3.0
57.5°	609.8	543.4	475.3	407.9	338.8	274.4	15.4	8.7	5.7	4.0	2.5
60°	697.7	620.2	537.7	460.2	382.2	307.1	13.9	7.7	5.0	3.2	2.5
62.5°	743.3	654.8	565.9	480.5	397.3	318.8	12.4	6.4	4.2	2.7	2.2
65°	732.1	642.0	555.8	469.6	388.1	311.3	10.9	5.7	3.7	2.5	2.2
66°	716.0	626.9	540.2	458.2	380.4	303.4	10.2	5.4	3.5	2.5	2.0
67.5°	680.8	594.7	511.9	435.7	359.4	288.3	9.2	5.0	3.2	2.2	2.0
70°	581.5	503.3	437.1	369.3	307.1	243.0	7.4	4.2	2.7	2.0	2.0
72.5°	384.9	331.6	287.5	247.4	206.8	160.5	6.2	3.5	2.2	2.0	1.7
75°	145.1	131.3	112.7	101.3	88.4	77.5	5.0	2.2	1.7	1.7	1.7
77.5°	25.8	23.8	21.1	19.3	17.8	16.3	4.0	1.5	1.5	1.7	1.7
80°	17.3	16.1	14.6	13.4	12.4	11.1	2.7	1.2	1.5	1.5	1.7
82.5°	12.4	11.6	10.9	9.9	9.2	8.2	1.7	1.2	1.5	1.5	1.5
85°	7.4	6.9	6.4	5.9	5.2	5.0	1.2	1.2	1.2	1.5	1.5
87.5°	2.0	1.7	2.0	2.0	1.5	1.7	1.0	1.0	1.0	1.2	1.2
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):

	145°	155°	165°	175°	180°
0°	38.9	38.9	38.9	38.9	38.9
2.5°	32.9	32.9	32.4	33.2	33.2
5°	28.5	28.5	28.2	28.5	28.5
7.5°	26.0	25.8	25.8	25.8	26.0
10°	23.8	23.5	23.5	23.5	23.5
12.5°	21.8	21.5	21.3	21.5	21.5
15°	20.1	19.6	19.6	19.6	19.6
17.5°	18.6	18.1	17.8	17.8	17.8
20°	17.1	16.3	16.3	16.3	16.3
22.5°	15.6	14.9	14.9	14.9	14.9
25°	14.1	13.4	13.4	13.4	13.4
27.5°	12.9	12.1	12.1	12.1	12.1
30°	11.4	10.9	10.9	11.1	10.9
32.5°	10.4	9.7	9.7	9.9	9.9
35°	9.2	8.7	8.7	8.7	8.7
37.5°	7.9	7.4	7.4	7.4	7.4
40°	6.9	6.4	6.2	6.4	6.4
42.5°	5.9	5.4	5.2	5.2	5.2
45°	5.2	4.5	4.2	4.5	4.5
47.5°	4.2	3.7	3.7	4.0	4.0
50°	3.2	3.2	3.5	4.0	4.0
52.5°	3.0	3.0	3.5	4.0	4.0
55°	2.7	3.0	3.5	3.7	4.0
57.5°	2.5	3.0	3.5	3.7	3.7
60°	2.5	2.7	3.2	3.7	3.7
62.5°	2.2	2.5	3.0	3.5	3.5
65°	2.2	2.5	3.0	3.5	3.5
66°	2.2	2.5	3.0	3.5	3.5
67.5°	2.2	2.5	3.0	3.5	3.5
70°	2.2	2.5	3.0	3.2	3.2
72.5°	2.0	2.2	2.7	3.2	3.2
75°	2.0	2.2	2.7	3.2	3.2
77.5°	2.0	2.2	2.7	3.2	3.2
80°	2.0	2.2	2.7	3.0	3.2
82.5°	1.7	2.2	2.5	3.0	3.0
85°	1.7	2.0	2.5	2.7	3.0
87.5°	1.5	1.7	2.0	2.5	2.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)