

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: P180616

Luminaire Tested: **ICS-E01-LED-E1-SL3-HSS-8030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180616
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-E01-LED-E1-SL3-HSS-8030
Description: ICON SITE SMALL LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ SPILL LIGHT CONTROL AND HOUSE SIDE SHIELD
Light Source: (21) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1317.1 lumens
Efficiency: N/A
Efficacy: 53.3 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

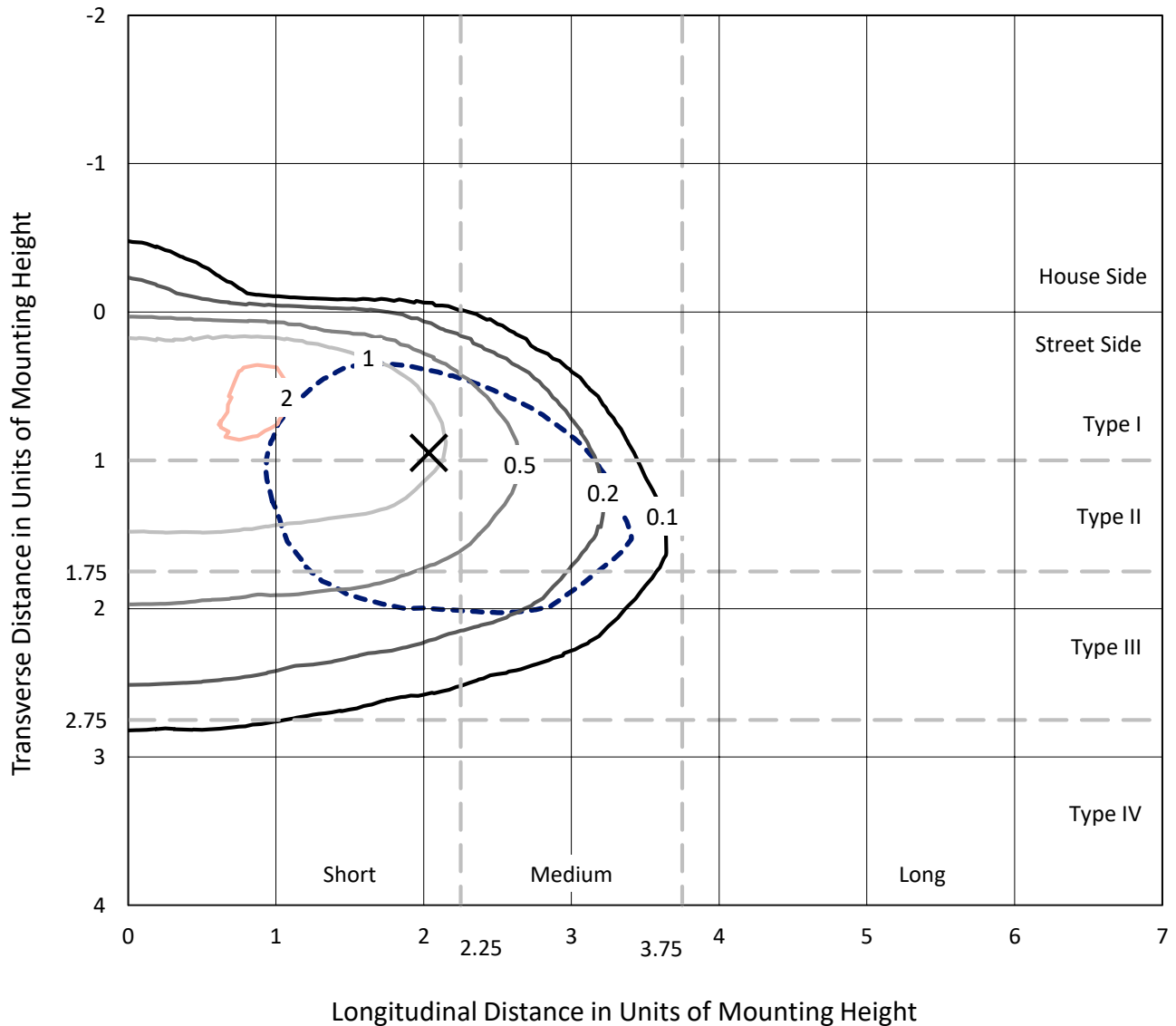
Input Watts (W): 24.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

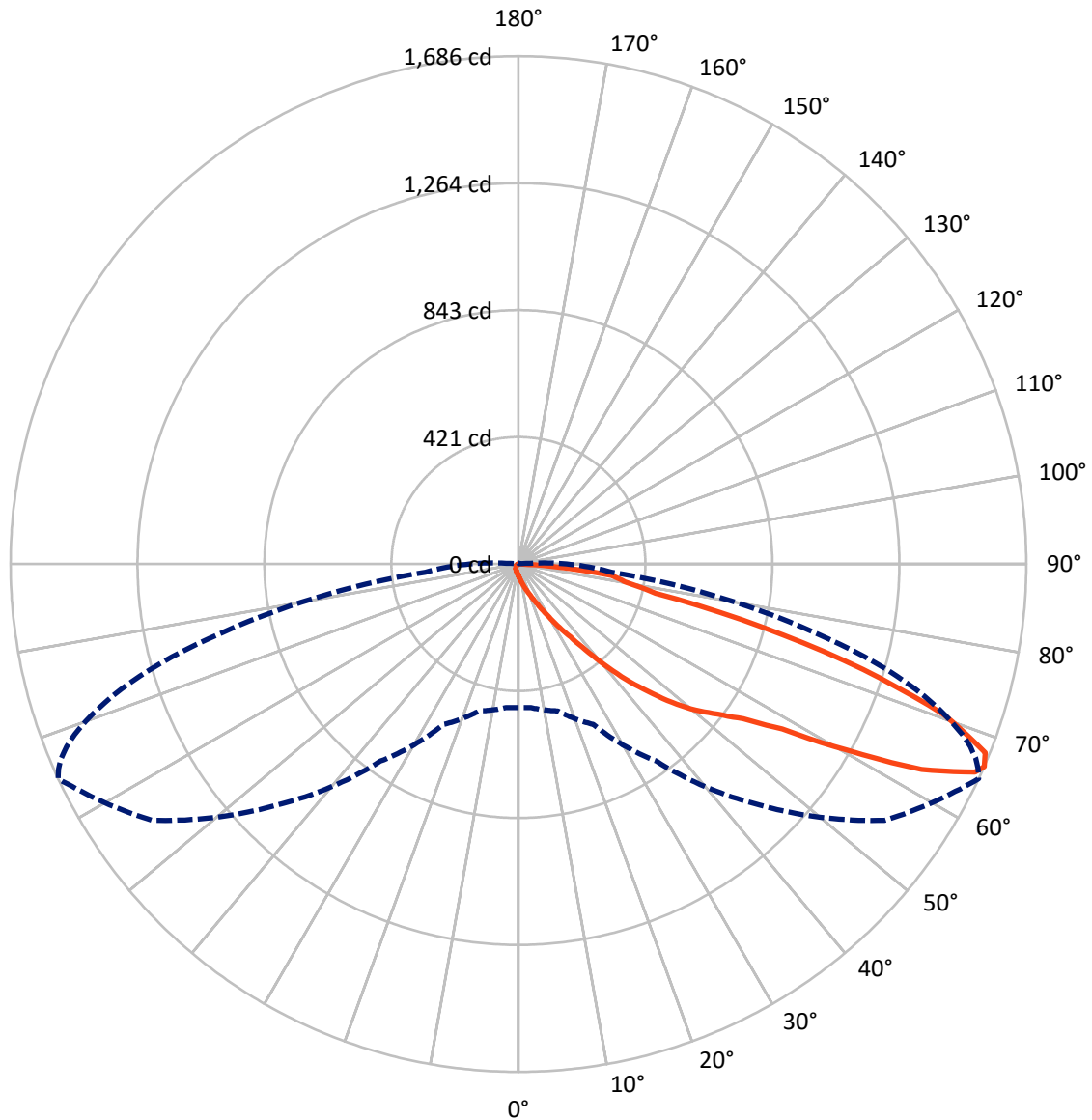
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.2 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	28.5	0.0	28.5
	% Fixture	2.2	0.0	2.2
Street Side	Lumens	1288.5	0.0	1288.5
	% Fixture	97.8	0.0	97.8
Total	Lumens	1317.1	0.0	1317.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.5	0.3
10°-20°	18.9	1.4
20°-30°	40.7	3.1
30°-40°	86.9	6.6
40°-50°	192.2	14.6
50°-60°	325.7	24.7
60°-70°	434.7	33.0
70°-80°	191.5	14.5
80°-90°	22.1	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°	1317.1	100.0
0°-180°	1317.1	100.0



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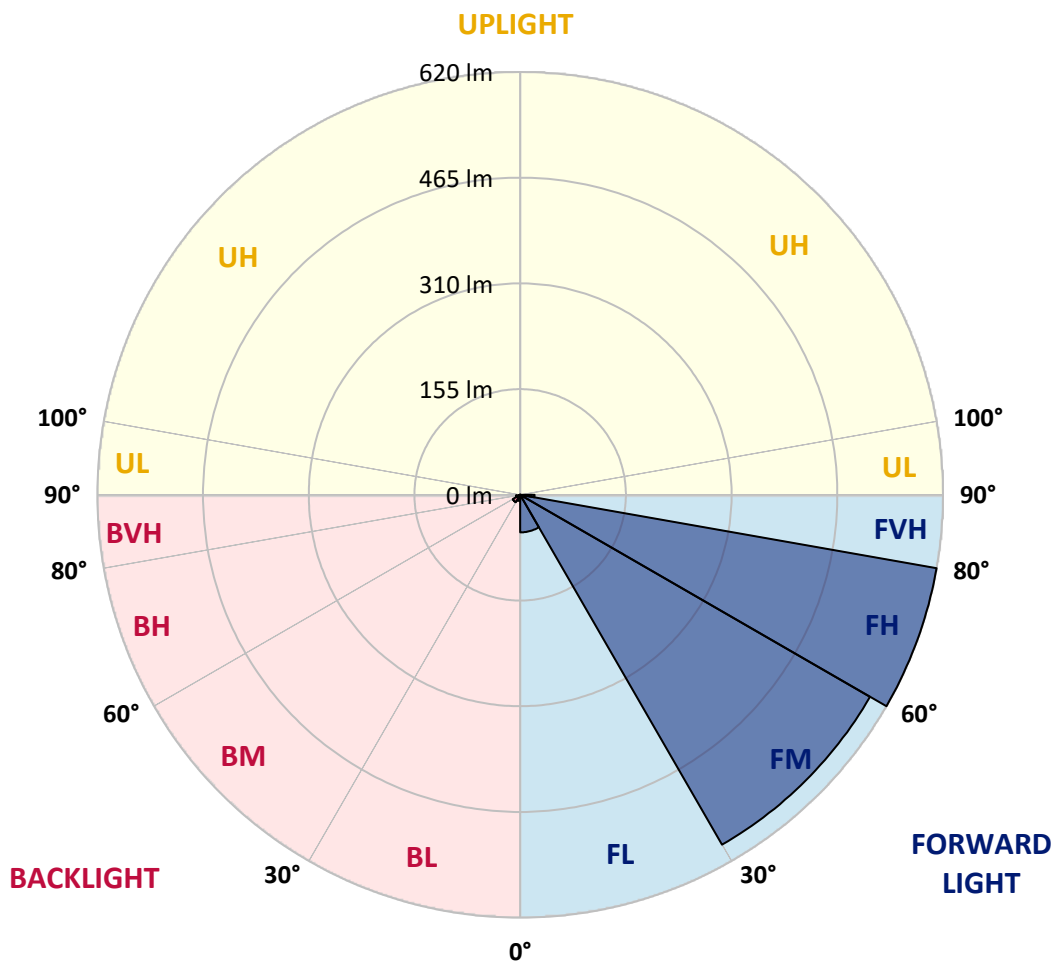
CATALOG NUMBER: ICS-E01-LED-E1-SL3-HSS-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	55.0	4.2			
FM	(30°-60°)	592.3	45.0			
FH	(60°-80°)	620.0	47.1			G0/660
FVH	(80°-90°)	21.2	1.6			G1/100
BL	(0°-30°)	9.0	0.7	B0/110		
BM	(30°-60°)	12.5	1.0	B0/220		
BH	(60°-80°)	6.1	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°	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8
2.5°	50.1	49.9	48.9	48.9	47.4	46.3	45.1	43.8	43.8	43.6	43.3
5°	66.3	64.8	64.6	61.8	59.5	56.2	53.2	49.1	48.6	48.1	47.9
7.5°	84.3	84.1	81.8	78.5	73.9	67.9	61.8	55.2	54.2	53.7	52.7
10°	107.6	106.3	103.3	97.7	90.9	82.8	72.9	62.5	61.3	60.3	59.8
12.5°	129.9	127.6	125.8	118.8	110.1	98.2	86.3	71.4	70.4	69.1	67.1
15°	150.7	148.6	145.6	139.5	129.9	115.0	101.0	82.8	80.3	78.5	77.0
17.5°	166.9	165.6	162.1	155.2	144.8	131.7	115.0	94.4	92.4	90.1	87.4
20°	182.3	180.5	175.0	165.6	154.5	144.3	131.4	109.6	106.9	104.1	101.0
22.5°	197.0	195.2	186.1	170.7	158.8	154.5	149.9	126.9	122.6	120.3	117.2
25°	217.5	213.7	199.5	175.0	159.0	162.3	170.2	149.1	145.1	141.8	137.0
27.5°	245.1	240.0	217.8	181.3	160.0	170.9	193.5	176.2	171.9	168.1	162.8
30°	276.3	273.0	246.4	196.5	167.4	183.6	219.5	210.7	205.6	201.0	194.7
32.5°	307.7	303.1	276.8	225.4	187.1	208.1	252.2	250.7	244.1	239.8	233.0
35°	335.3	333.0	313.5	272.7	232.2	251.2	295.8	297.5	291.7	287.1	279.5
37.5°	354.0	354.0	350.2	323.6	303.9	318.0	359.8	360.1	354.2	343.9	340.1
40°	363.6	366.4	380.1	385.1	384.1	402.4	443.9	439.3	434.5	429.2	416.5
42.5°	383.4	385.9	415.0	450.0	472.7	496.8	525.4	523.9	518.1	508.4	496.8
45°	416.8	420.1	454.8	510.2	557.1	591.2	609.5	602.4	596.6	587.4	581.4
47.5°	459.3	465.7	504.9	573.5	630.0	686.5	705.4	686.7	681.6	674.6	664.7
50°	504.6	510.7	552.5	631.0	694.8	762.2	793.8	762.2	754.8	752.5	741.4
52.5°	543.9	549.0	589.2	675.3	744.4	823.4	869.5	827.7	822.4	814.8	806.7
55°	567.2	571.2	609.0	696.6	778.1	878.6	942.7	906.0	898.1	895.1	883.5
57.5°	575.0	579.1	613.0	699.4	796.3	929.0	1031.6	1032.8	1023.5	1012.6	1009.0
60°	575.0	579.6	608.2	692.5	814.1	982.7	1150.1	1255.7	1235.4	1233.4	1220.5
62.5°	551.2	555.5	584.4	671.5	837.9	1055.1	1315.2	1501.5	1495.7	1482.6	1461.3
65°	499.6	502.1	530.5	617.8	828.8	1121.7	1458.2	1665.1	1655.7	1629.9	1602.6
66°	476.3	478.3	504.9	587.2	798.9	1130.8	1483.6	1685.6	1670.2	1648.4	1617.5
67.5°	442.6	446.2	464.9	530.2	727.2	1099.2	1467.6	1671.2	1657.8	1631.4	1600.5
70°	295.5	293.0	359.1	406.9	554.0	895.6	1316.7	1500.5	1500.8	1488.4	1476.0
72.5°	140.3	141.8	161.0	250.4	362.6	598.3	1048.0	1197.7	1214.9	1192.6	1177.2
75°	100.8	103.1	114.7	153.2	216.2	359.1	679.4	837.6	838.1	798.6	763.4
77.5°	29.4	30.6	43.0	94.4	162.1	242.3	390.2	465.7	454.8	426.4	399.8
80°	12.2	12.2	12.7	30.1	65.1	164.6	273.0	358.5	357.3	346.4	330.7
82.5°	4.6	4.8	6.1	12.4	15.4	40.5	182.1	311.2	310.4	295.0	283.8
85°	0.5	0.5	1.5	5.3	5.8	7.6	36.5	137.2	136.5	137.2	120.3
87.5°	0.0	0.0	0.3	0.5	0.8	1.0	1.5	5.3	5.8	5.6	5.1
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):

	69°	70°	71°	72°	73°	74°	75°	76°	77°	78°	79°
0°	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8
2.5°	43.3	42.8	42.8	42.5	42.5	42.5	42.3	42.0	42.0	41.8	41.5
5°	47.4	46.8	46.6	46.1	45.8	45.6	45.1	44.8	44.3	44.1	43.8
7.5°	52.2	51.1	50.9	50.1	49.4	48.9	48.4	47.6	47.1	46.1	45.8
10°	58.2	57.0	56.0	54.9	54.2	52.9	52.2	51.1	50.1	49.4	48.6
12.5°	66.1	64.3	62.8	61.8	60.0	58.5	57.0	56.2	54.2	53.2	51.9
15°	74.7	72.7	70.9	68.9	67.6	65.1	63.0	60.8	59.8	58.0	56.0
17.5°	85.8	82.5	79.8	77.7	75.2	72.7	70.4	68.1	65.1	63.0	60.5
20°	97.7	95.0	91.2	87.6	84.6	81.5	78.2	75.2	72.4	69.1	66.1
22.5°	112.9	108.9	104.3	100.8	96.7	93.4	88.9	84.8	80.3	76.0	72.4
25°	132.2	126.9	122.6	117.5	112.7	107.6	102.0	97.0	91.2	87.1	81.0
27.5°	156.0	150.9	145.1	138.5	133.7	126.1	118.8	112.4	105.6	99.3	92.4
30°	186.4	179.0	172.9	166.6	157.0	149.6	141.0	132.4	123.1	116.7	106.3
32.5°	222.8	215.0	205.9	196.7	187.9	177.5	166.9	156.2	145.8	134.2	123.6
35°	267.4	258.0	247.6	237.8	224.1	213.0	199.5	184.8	173.2	159.8	146.4
37.5°	326.4	310.9	301.8	291.4	273.0	257.8	242.8	228.1	207.6	193.5	174.5
40°	400.3	391.2	376.3	359.6	342.8	322.8	302.6	283.1	259.3	239.5	217.5
42.5°	487.2	473.8	458.6	434.5	417.5	394.0	371.0	345.1	316.0	290.7	264.9
45°	568.7	552.8	541.1	517.1	499.3	471.5	443.6	416.3	382.6	349.9	320.1
47.5°	656.8	643.7	624.4	604.9	586.9	555.5	525.4	492.2	456.8	418.1	379.3
50°	734.3	723.9	710.8	687.2	667.2	640.9	605.4	569.2	524.4	485.9	441.9
52.5°	800.1	792.0	773.6	756.8	738.9	714.1	682.4	647.7	599.4	557.1	506.9
55°	877.9	872.1	855.9	845.5	829.5	805.7	776.1	743.9	692.8	646.7	590.0
57.5°	1005.2	1000.7	986.5	982.2	966.5	945.7	909.3	874.8	815.1	757.9	693.0
60°	1216.2	1207.1	1186.3	1175.7	1142.5	1114.6	1067.3	1019.9	947.8	874.8	796.9
62.5°	1442.0	1416.5	1377.0	1343.0	1295.9	1247.6	1184.3	1111.8	1027.3	940.7	851.0
65°	1563.8	1520.3	1470.4	1416.5	1355.4	1284.3	1204.5	1117.7	1026.8	935.4	840.7
66°	1577.8	1528.6	1475.7	1415.7	1347.8	1272.1	1191.1	1099.9	1005.5	916.4	821.7
67.5°	1560.3	1508.9	1452.9	1386.3	1312.9	1234.4	1149.3	1054.6	963.7	873.3	781.2
70°	1438.0	1386.8	1337.0	1266.8	1188.6	1109.6	1029.0	923.2	837.1	754.1	672.0
72.5°	1148.3	1113.6	1064.2	1004.2	928.0	835.3	768.2	673.5	598.8	518.3	454.8
75°	717.6	668.7	607.7	531.2	473.0	397.8	358.5	286.6	244.1	206.9	170.9
77.5°	366.9	330.2	287.4	244.3	203.1	162.1	125.3	88.6	59.8	41.5	30.9
80°	303.1	270.7	235.2	196.0	159.5	123.8	89.1	60.8	38.7	25.3	19.8
82.5°	250.4	223.1	191.4	155.0	123.3	97.2	67.6	44.1	27.3	17.7	13.9
85°	106.6	96.7	74.7	59.3	44.6	32.9	23.0	15.4	10.9	8.9	8.1
87.5°	4.6	5.1	4.8	3.8	2.8	2.8	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°	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8
2.5°	41.5	41.3	41.0	41.0	40.8	40.5	39.0	37.7	36.2	35.2	34.2
5°	43.3	43.0	42.5	42.3	41.8	41.5	38.2	35.4	33.2	31.4	30.1
7.5°	45.1	44.8	44.1	43.3	43.0	42.5	37.2	33.7	30.6	28.6	27.3
10°	47.4	46.6	45.8	44.8	44.1	43.3	36.2	31.7	28.4	26.6	25.3
12.5°	50.6	49.4	48.1	46.8	45.8	44.6	35.7	29.9	26.6	24.6	23.3
15°	54.4	52.7	51.1	49.6	47.9	46.6	34.7	28.4	25.1	23.0	21.5
17.5°	58.0	56.0	53.7	51.4	49.6	47.9	33.7	26.8	23.5	21.5	20.0
20°	63.0	60.0	57.2	54.4	51.9	49.6	32.2	25.3	22.3	20.0	18.5
22.5°	68.6	65.1	61.5	57.7	54.4	51.4	30.9	24.1	21.0	18.7	17.0
25°	75.7	71.4	66.6	61.8	58.0	53.9	29.6	22.8	19.8	17.5	15.7
27.5°	85.6	79.5	74.2	68.1	62.3	57.7	28.6	21.8	18.5	16.2	14.4
30°	99.0	90.1	81.8	75.2	68.4	61.8	27.6	20.5	17.5	14.9	12.9
32.5°	113.9	103.6	93.9	84.1	75.5	67.9	26.6	19.5	16.2	13.7	11.9
35°	132.4	119.3	106.3	95.0	84.6	74.4	25.6	18.5	15.2	12.4	10.6
37.5°	159.0	142.6	125.6	110.9	97.5	84.1	24.8	17.5	13.9	11.1	9.4
40°	195.5	174.2	153.4	133.4	116.0	99.3	23.8	16.5	12.9	10.1	8.4
42.5°	235.0	209.2	181.8	159.3	135.2	114.2	22.8	15.4	11.9	9.1	7.3
45°	284.1	251.9	218.8	188.1	158.8	131.7	21.8	14.4	10.6	8.1	6.3
47.5°	337.8	296.8	259.3	220.8	185.9	153.4	20.5	13.7	9.6	7.1	5.6
50°	393.0	349.7	302.3	258.5	217.0	175.2	19.2	12.4	8.6	6.3	4.6
52.5°	452.5	401.3	353.0	298.5	250.2	203.8	18.0	11.4	7.8	5.6	3.8
55°	528.2	471.0	414.3	353.2	295.0	237.0	16.7	10.1	6.8	4.8	3.0
57.5°	623.4	555.5	485.9	417.0	346.4	280.6	15.7	8.9	5.8	4.1	2.5
60°	713.3	634.0	549.7	470.5	390.7	314.0	14.2	7.8	5.1	3.3	2.5
62.5°	759.9	669.5	578.6	491.2	406.2	325.9	12.7	6.6	4.3	2.8	2.3
65°	748.5	656.3	568.2	480.1	396.8	318.3	11.1	5.8	3.8	2.5	2.3
66°	732.0	640.9	552.3	468.4	388.9	310.2	10.4	5.6	3.5	2.5	2.0
67.5°	696.1	608.0	523.4	445.4	367.4	294.7	9.4	5.1	3.3	2.3	2.0
70°	594.5	514.5	446.9	377.5	314.0	248.4	7.6	4.3	2.8	2.0	2.0
72.5°	393.5	339.0	294.0	253.0	211.4	164.1	6.3	3.5	2.3	2.0	1.8
75°	148.4	134.2	115.2	103.6	90.4	79.3	5.1	2.3	1.8	1.8	1.8
77.5°	26.3	24.3	21.5	19.8	18.2	16.7	4.1	1.5	1.5	1.8	1.8
80°	17.7	16.5	14.9	13.7	12.7	11.4	2.8	1.3	1.5	1.5	1.8
82.5°	12.7	11.9	11.1	10.1	9.4	8.4	1.8	1.3	1.5	1.5	1.5
85°	7.6	7.1	6.6	6.1	5.3	5.1	1.3	1.3	1.3	1.5	1.5
87.5°	2.0	1.8	2.0	2.0	1.5	1.8	1.0	1.0	1.0	1.3	1.3
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):

	145°	155°	165°	175°	180°
0°	39.8	39.8	39.8	39.8	39.8
2.5°	33.7	33.7	33.2	33.9	33.9
5°	29.1	29.1	28.9	29.1	29.1
7.5°	26.6	26.3	26.3	26.3	26.6
10°	24.3	24.1	24.1	24.1	24.1
12.5°	22.3	22.0	21.8	22.0	22.0
15°	20.5	20.0	20.0	20.0	20.0
17.5°	19.0	18.5	18.2	18.2	18.2
20°	17.5	16.7	16.7	16.7	16.7
22.5°	16.0	15.2	15.2	15.2	15.2
25°	14.4	13.7	13.7	13.7	13.7
27.5°	13.2	12.4	12.4	12.4	12.4
30°	11.6	11.1	11.1	11.4	11.1
32.5°	10.6	9.9	9.9	10.1	10.1
35°	9.4	8.9	8.9	8.9	8.9
37.5°	8.1	7.6	7.6	7.6	7.6
40°	7.1	6.6	6.3	6.6	6.6
42.5°	6.1	5.6	5.3	5.3	5.3
45°	5.3	4.6	4.3	4.6	4.6
47.5°	4.3	3.8	3.8	4.1	4.1
50°	3.3	3.3	3.5	4.1	4.1
52.5°	3.0	3.0	3.5	4.1	4.1
55°	2.8	3.0	3.5	3.8	4.1
57.5°	2.5	3.0	3.5	3.8	3.8
60°	2.5	2.8	3.3	3.8	3.8
62.5°	2.3	2.5	3.0	3.5	3.5
65°	2.3	2.5	3.0	3.5	3.5
66°	2.3	2.5	3.0	3.5	3.5
67.5°	2.3	2.5	3.0	3.5	3.5
70°	2.3	2.5	3.0	3.3	3.3
72.5°	2.0	2.3	2.8	3.3	3.3
75°	2.0	2.3	2.8	3.3	3.3
77.5°	2.0	2.3	2.8	3.3	3.3
80°	2.0	2.3	2.8	3.0	3.3
82.5°	1.8	2.3	2.5	3.0	3.0
85°	1.8	2.0	2.5	2.8	3.0
87.5°	1.5	1.8	2.0	2.5	2.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)