

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: P181377

Luminaire Tested: **ICS-E01-LED-E1-T3-HSS-8030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P181377
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33724)
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-T3-HSS-8030
Description: ICON SITE SMALL LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ HOUSE SIDE SHIELD
Light Source: (21) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1238.4 lumens
Efficiency: N/A
Efficacy: 50.1 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

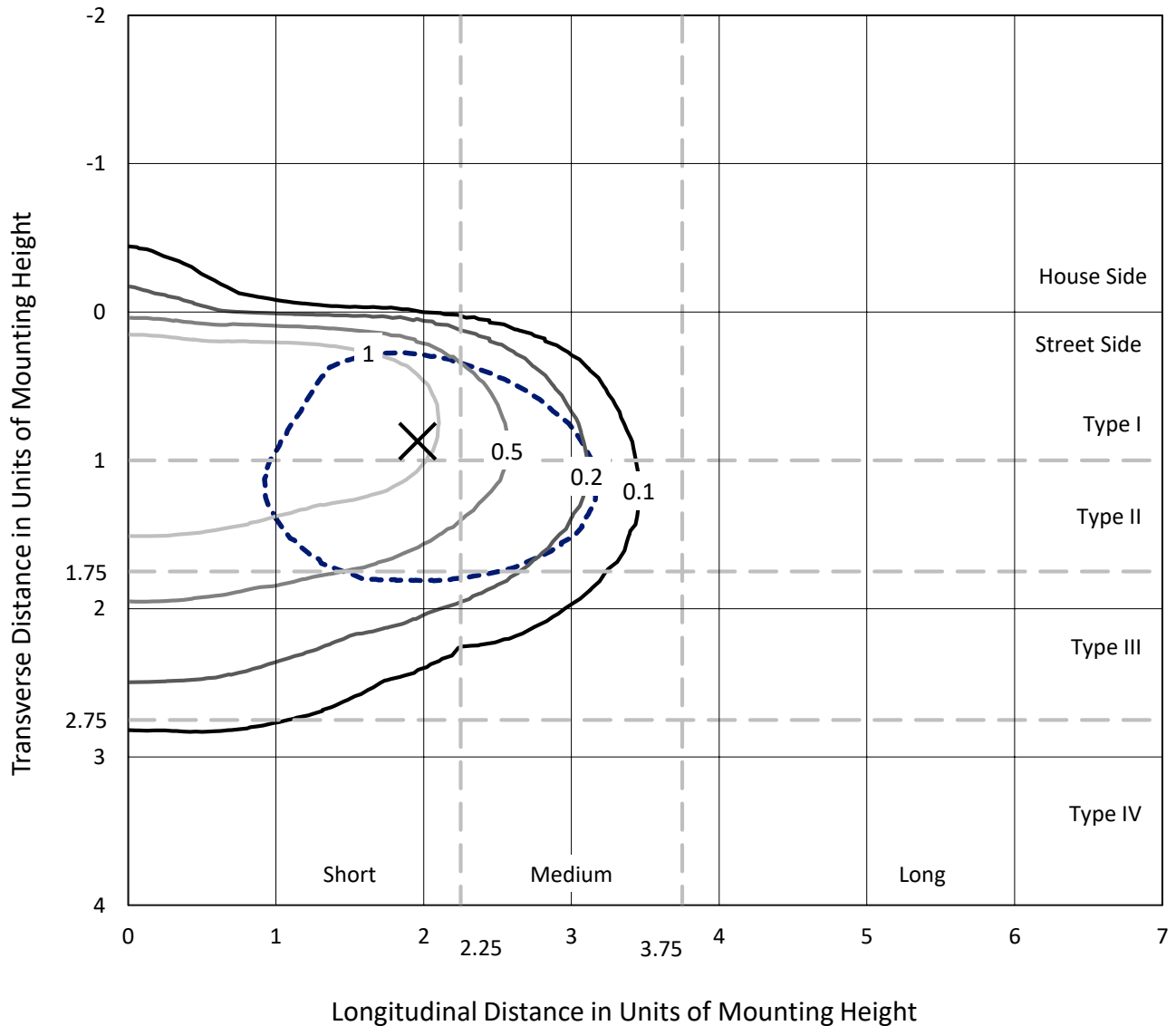
Input Watts (W): 24.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

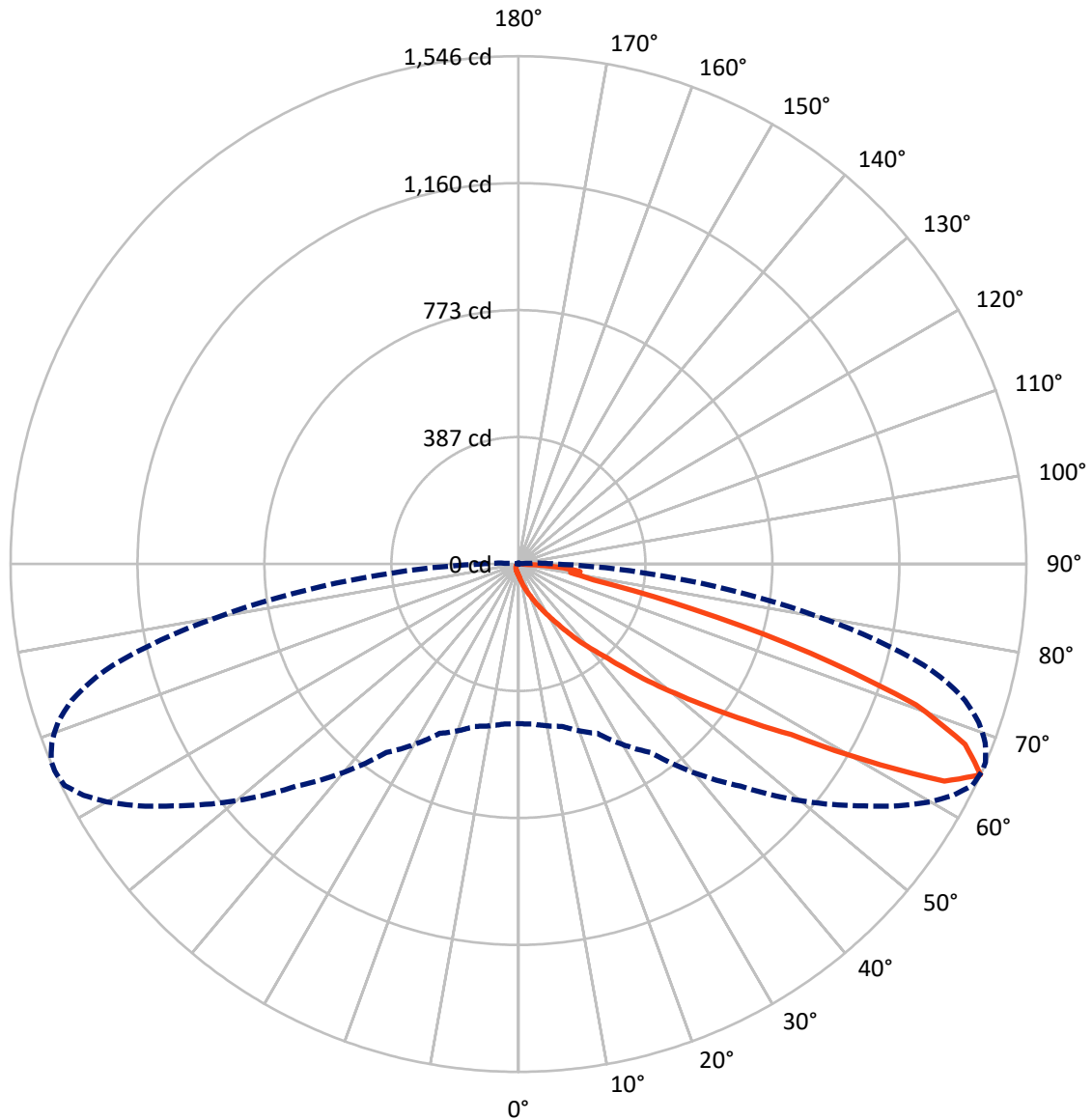
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 1.8 fc
 Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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

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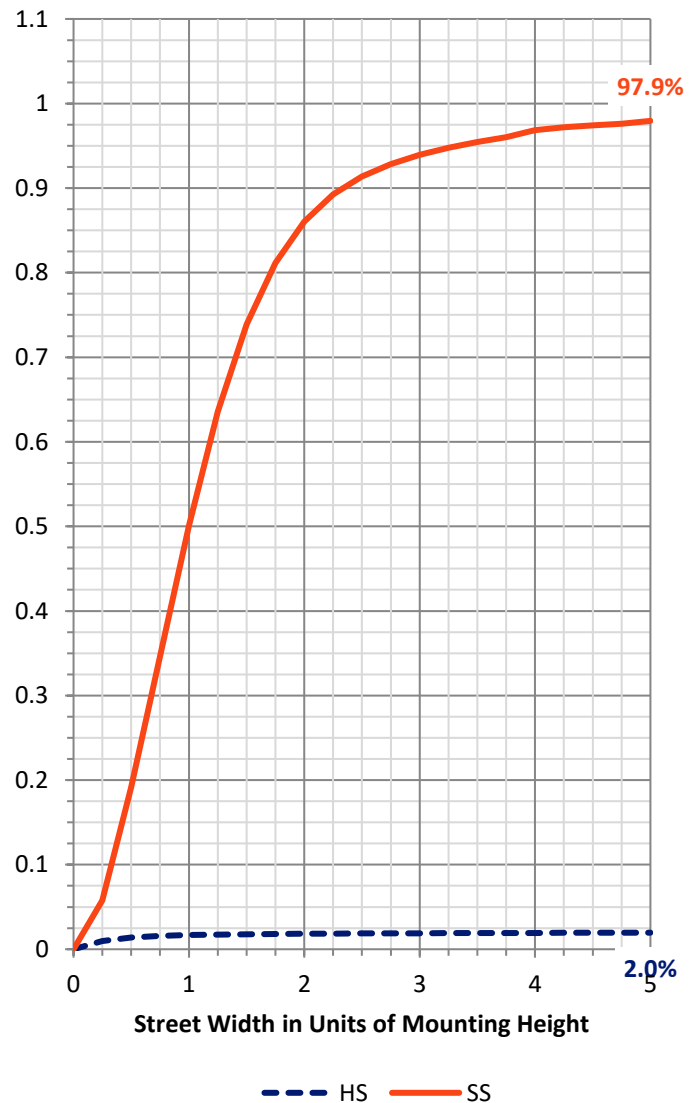
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	24.9	0.0	24.9
	% Fixture	2.0	0.0	2.0
Street Side	Lumens	1213.6	0.0	1213.6
	% Fixture	98.0	0.0	98.0
Total	Lumens	1238.4	0.0	1238.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.2	0.3
10°-20°	20.1	1.6
20°-30°	46.0	3.7
30°-40°	87.5	7.1
40°-50°	175.7	14.2
50°-60°	310.8	25.1
60°-70°	406.1	32.8
70°-80°	167.0	13.5
80°-90°	21.0	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°	1238.4	100.0
0°-180°	1238.4	100.0



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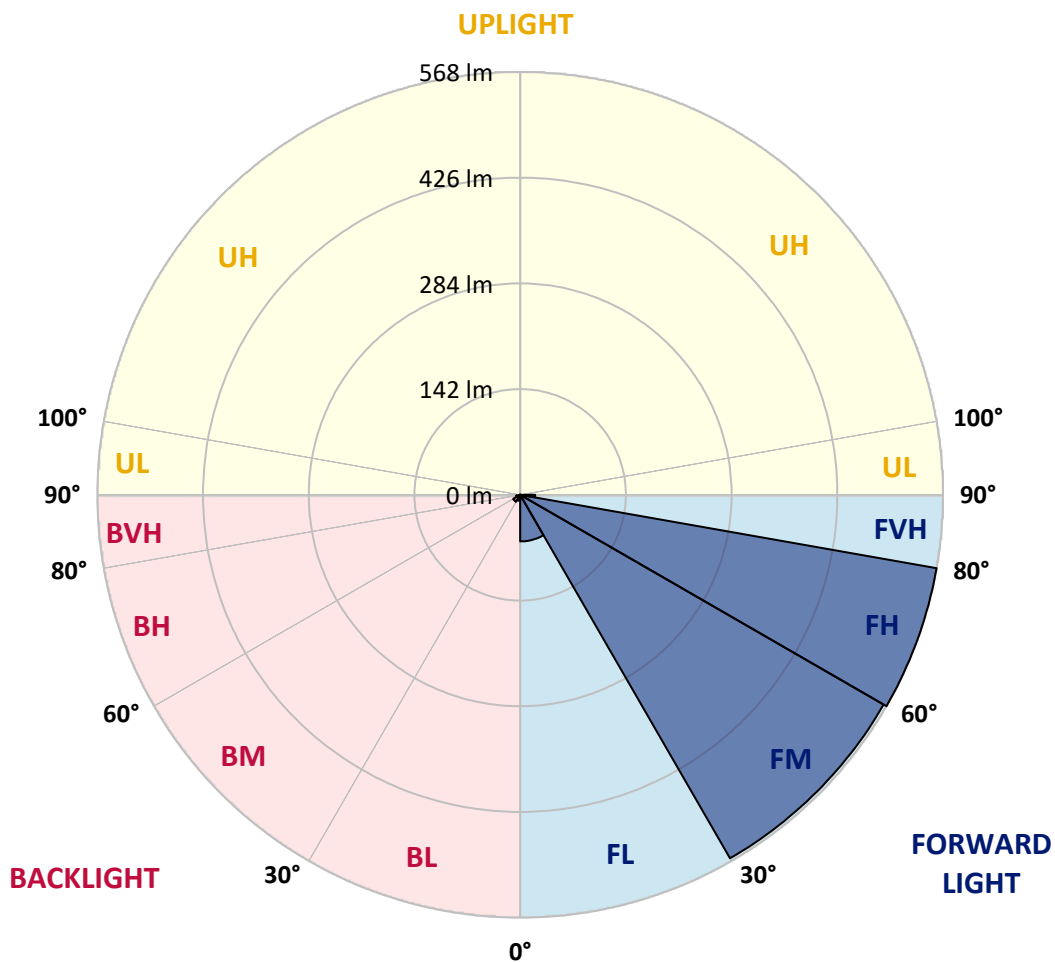
CATALOG NUMBER: ICS-E01-LED-E1-T3-HSS-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	62.6	5.1			
FM	(30°-60°)	563.3	45.5			
FH	(60°-80°)	567.6	45.8			G0/660
FVH	(80°-90°)	20.1	1.6			G1/100
BL	(0°-30°)	7.8	0.6	B0/110		
BM	(30°-60°)	10.6	0.9	B0/220		
BH	(60°-80°)	5.5	0.4	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°	56°	57°	58°	59°
0°	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4
2.5°	45.6	44.8	45.1	43.6	42.5	41.3	40.3	40.0	39.8	39.2	39.5
5°	65.6	64.8	63.0	60.0	57.2	52.9	48.6	48.4	47.6	46.8	46.3
7.5°	91.2	89.9	87.9	82.8	76.0	68.4	59.8	59.0	58.0	57.0	56.0
10°	120.8	120.0	116.2	110.4	100.0	87.6	73.2	72.4	70.1	68.9	67.9
12.5°	151.9	148.6	147.1	137.0	125.1	108.1	89.6	86.9	85.1	83.3	80.8
15°	175.5	176.0	172.4	164.3	150.4	130.7	107.6	104.6	102.0	98.8	95.7
17.5°	196.7	195.7	191.9	186.9	173.7	153.7	126.9	122.8	118.8	117.0	112.7
20°	214.0	213.5	210.4	205.6	195.5	176.2	147.1	143.8	139.3	136.2	131.4
22.5°	227.6	227.6	225.9	223.1	213.2	197.8	168.6	165.1	160.5	156.7	151.4
25°	238.5	238.3	238.5	237.3	230.7	216.5	190.7	186.6	182.8	178.3	173.2
27.5°	250.9	251.4	250.9	250.2	247.4	236.0	213.0	210.2	205.9	201.0	196.0
30°	270.2	268.7	268.4	267.9	264.6	257.5	236.0	232.7	229.4	226.1	222.6
32.5°	290.4	287.9	287.1	287.1	284.9	278.5	262.6	260.8	256.0	253.5	250.4
35°	313.5	312.5	311.4	311.7	310.7	304.1	290.9	291.4	289.9	284.9	281.8
37.5°	347.2	347.4	345.6	342.3	342.3	336.5	328.9	327.9	324.1	322.8	321.1
40°	395.3	394.0	392.5	387.7	385.9	376.0	368.9	366.4	363.4	363.1	361.1
42.5°	451.0	449.4	449.4	445.9	442.4	430.5	417.0	415.3	412.0	413.0	412.2
45°	502.6	503.9	505.7	508.2	508.7	503.6	484.1	481.9	480.1	479.1	478.3
47.5°	547.2	549.5	555.3	566.2	580.1	581.9	566.4	560.4	559.1	557.3	555.8
50°	579.1	582.4	595.6	616.8	643.9	660.6	652.3	647.2	647.0	642.1	641.6
52.5°	597.3	600.9	622.4	654.6	696.6	729.2	739.6	739.4	738.9	734.6	732.8
55°	601.4	605.2	631.0	674.8	734.8	791.3	831.0	832.1	834.3	833.1	833.1
57.5°	590.2	595.0	623.2	677.3	754.8	840.4	927.3	933.1	935.9	945.7	957.1
60°	569.7	573.3	601.4	661.9	758.4	885.2	1052.3	1070.8	1085.3	1104.8	1123.2
62.5°	531.7	538.8	565.7	631.5	747.7	936.9	1201.7	1235.9	1264.0	1293.7	1329.4
65°	485.7	488.7	511.5	569.0	700.1	956.6	1284.3	1317.7	1353.7	1385.3	1417.2
67.5°	427.9	430.5	450.2	474.8	577.8	864.2	1203.0	1240.0	1272.4	1298.5	1340.2
70°	280.3	285.9	334.2	358.5	403.9	638.9	983.7	1019.4	1044.2	1062.0	1110.3
72.5°	205.4	208.9	228.4	278.5	289.7	377.5	692.3	731.0	740.1	773.6	796.1
75°	125.3	134.2	178.3	238.5	282.3	258.5	414.8	433.5	454.5	478.8	500.3
77.5°	25.3	28.9	58.2	164.3	248.4	276.3	247.6	251.2	261.6	263.8	271.9
80°	4.1	4.3	7.6	70.9	143.8	223.3	247.6	244.3	238.5	234.5	230.4
82.5°	1.8	2.0	3.3	18.0	30.6	74.4	214.2	230.9	250.2	260.8	263.6
85°	0.8	0.8	1.3	3.5	4.6	5.1	36.2	47.9	85.3	113.4	130.7
87.5°	0.5	0.5	0.8	0.8	1.0	1.3	1.8	1.8	2.0	2.3	3.3
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):

	60°	61°	62°	64°	65°	66°	67°	68°	69°	70°	71°
0°	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4
2.5°	39.5	39.2	39.2	38.5	38.5	38.2	38.2	38.0	38.0	37.5	37.7
5°	46.1	45.6	45.1	44.3	44.1	43.6	43.0	42.3	42.0	41.5	41.3
7.5°	54.9	54.4	53.4	51.9	50.9	49.9	48.9	47.9	47.1	46.3	45.8
10°	65.8	64.3	63.8	60.8	59.5	57.5	56.2	55.2	53.7	52.4	51.7
12.5°	79.0	77.7	75.2	71.2	69.1	67.4	65.1	63.0	61.5	59.3	57.7
15°	92.7	91.7	88.1	83.6	81.0	77.7	75.5	73.4	70.1	68.6	65.8
17.5°	109.9	106.9	103.3	96.7	93.4	90.6	86.6	83.6	81.5	77.0	74.4
20°	127.6	124.3	119.8	112.4	107.9	103.6	100.3	96.2	91.9	88.9	84.6
22.5°	147.9	142.6	139.0	129.9	124.6	120.0	114.5	110.1	105.8	101.0	96.2
25°	169.4	164.1	159.8	149.4	143.8	139.3	132.7	126.6	121.3	116.0	110.4
27.5°	191.9	187.1	182.3	171.7	166.9	160.5	154.5	147.4	140.5	135.7	128.1
30°	218.0	214.0	208.6	197.3	191.9	185.4	179.0	170.7	164.1	157.5	150.2
32.5°	246.1	242.8	237.3	227.1	220.8	215.2	208.4	200.3	190.9	184.1	175.5
35°	280.3	274.7	271.4	261.8	257.0	250.9	243.8	236.8	226.9	217.3	209.9
37.5°	319.3	316.8	312.5	303.3	299.8	293.5	288.9	281.8	274.2	262.1	254.2
40°	359.3	357.5	353.7	344.6	341.1	336.8	331.5	324.6	315.5	309.2	297.5
42.5°	410.2	407.4	404.4	395.8	388.9	383.6	381.3	375.5	365.9	357.8	348.7
45°	474.8	473.5	469.5	460.8	454.0	450.5	446.9	437.0	430.7	422.6	416.3
47.5°	552.8	548.7	546.7	537.1	534.8	532.0	522.9	517.3	508.2	501.9	494.0
50°	637.1	632.8	633.0	621.4	621.9	619.9	613.0	606.4	598.6	593.0	588.2
52.5°	727.7	729.8	724.7	728.2	724.2	719.6	718.4	710.3	703.4	703.2	696.6
55°	839.1	835.8	837.1	840.7	835.1	840.2	837.6	827.2	827.5	829.5	821.9
57.5°	958.9	963.7	974.1	976.4	986.0	979.4	996.6	984.2	991.8	991.8	986.8
60°	1134.6	1153.9	1179.0	1198.4	1216.4	1210.6	1233.1	1219.0	1229.1	1220.5	1216.2
62.5°	1346.3	1371.9	1401.5	1433.2	1451.4	1456.0	1452.7	1459.0	1449.1	1442.8	1426.3
65°	1448.1	1473.4	1499.3	1537.2	1542.3	1546.1	1544.6	1534.0	1521.8	1503.8	1482.3
67.5°	1363.5	1399.0	1413.4	1457.2	1471.9	1466.6	1468.4	1454.7	1435.7	1418.0	1386.3
70°	1130.6	1171.1	1178.7	1241.5	1259.0	1284.3	1275.2	1271.1	1250.4	1235.4	1200.5
72.5°	823.2	854.8	852.3	923.0	919.9	930.3	954.9	953.8	932.1	927.3	897.9
75°	506.7	525.7	524.7	574.8	553.8	550.7	557.6	554.5	534.0	512.8	494.5
77.5°	268.4	277.0	267.9	253.0	251.4	234.5	229.7	229.4	213.7	194.5	180.3
80°	226.1	217.3	206.6	184.8	172.2	160.8	150.2	140.3	129.6	115.5	98.2
82.5°	264.1	259.8	252.2	224.9	211.7	188.9	171.9	156.0	136.5	121.8	99.8
85°	128.6	128.4	134.5	131.7	126.9	125.8	109.1	105.6	97.7	89.6	75.0
87.5°	3.5	2.5	3.0	2.5	3.0	3.3	2.3	5.3	3.3	3.0	3.5
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):

	72°	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°
0°	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4
2.5°	37.5	37.2	37.0	37.0	36.7	36.7	36.5	36.2	36.2	36.0	36.0
5°	40.8	40.3	40.0	39.8	39.2	39.0	38.5	38.2	37.7	37.5	37.0
7.5°	44.8	44.3	43.3	42.8	42.0	41.8	40.5	40.0	39.5	39.0	38.2
10°	49.9	48.6	47.6	46.6	45.3	44.3	43.3	42.5	41.5	40.3	39.8
12.5°	56.2	54.4	52.9	51.1	49.6	48.1	46.3	45.1	43.6	42.3	41.0
15°	63.3	60.8	58.7	56.2	53.7	51.9	50.1	48.4	46.3	44.6	43.0
17.5°	71.4	68.1	65.3	62.3	59.5	57.0	53.9	51.7	49.4	46.8	44.8
20°	80.0	76.7	72.9	69.6	65.6	62.8	59.0	56.0	52.7	50.1	47.4
22.5°	91.4	87.1	82.3	77.7	73.4	69.1	65.1	61.3	57.2	53.4	50.6
25°	104.8	99.5	93.4	88.9	82.8	78.0	72.9	68.1	63.8	59.0	54.4
27.5°	121.5	114.5	107.9	101.5	95.0	88.9	82.3	76.7	70.9	65.3	60.3
30°	141.0	134.2	124.3	117.2	110.7	102.3	95.7	88.4	81.8	73.7	68.1
32.5°	166.9	158.0	147.6	138.3	129.6	120.3	111.2	101.8	93.2	85.8	77.5
35°	200.5	190.2	177.8	165.9	156.2	144.8	133.2	122.6	112.7	102.0	91.7
37.5°	243.1	233.5	220.0	205.6	192.7	179.0	166.9	151.9	138.8	125.8	112.7
40°	285.4	276.5	262.6	247.1	230.4	214.7	199.3	182.3	165.6	149.4	135.7
42.5°	337.5	324.4	309.4	292.0	275.7	257.0	237.8	218.3	198.3	178.8	159.3
45°	403.1	393.0	372.0	353.2	334.0	312.0	288.2	265.9	240.3	217.3	191.4
47.5°	482.9	464.6	449.2	432.0	407.9	386.7	356.3	329.9	298.0	267.4	236.5
50°	577.1	566.9	546.4	524.9	498.8	473.5	443.9	405.9	367.7	335.0	292.7
52.5°	687.2	672.8	659.9	637.6	611.0	578.6	544.9	503.6	456.8	410.7	365.6
55°	817.9	807.7	795.3	777.6	743.7	707.0	666.5	617.1	561.6	499.6	447.2
57.5°	986.5	975.9	964.0	927.5	904.5	859.4	800.7	749.5	689.7	610.2	545.2
60°	1216.7	1202.2	1185.5	1155.9	1107.8	1049.3	986.3	910.5	837.4	750.5	665.2
62.5°	1413.4	1390.4	1354.7	1316.4	1258.7	1191.6	1112.4	1023.2	939.9	842.2	747.2
65°	1453.9	1422.3	1380.3	1330.4	1270.9	1195.2	1112.4	1027.0	929.0	837.1	741.7
67.5°	1348.6	1311.9	1268.8	1213.1	1156.4	1078.4	1007.0	920.2	828.0	748.5	663.2
70°	1175.4	1121.0	1076.9	1017.7	960.2	898.9	823.7	758.6	683.7	610.5	545.2
72.5°	882.7	829.0	789.0	741.7	707.5	642.6	587.4	538.8	494.5	439.8	391.5
75°	475.8	435.5	408.7	387.2	356.5	313.7	287.4	254.0	235.2	212.4	190.4
77.5°	155.2	136.7	116.7	97.2	83.6	62.8	60.8	48.4	45.6	44.3	34.2
80°	79.5	61.3	44.3	31.9	24.3	21.5	20.5	19.5	18.5	17.7	16.5
82.5°	79.8	57.7	39.8	27.6	20.0	16.7	15.7	15.2	14.4	13.7	12.7
85°	58.2	43.0	29.6	20.3	13.9	11.1	10.6	9.9	9.4	9.1	8.1
87.5°	3.8	2.8	2.5	2.3	2.3	2.3	2.5	2.3	2.5	2.5	2.3
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):

	83°	84°	85°	86°	87°	88°	89°	90°	95°	105°	115°
0°	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4
2.5°	35.7	35.4	35.4	35.2	34.9	34.9	34.7	34.7	33.9	32.7	31.7
5°	36.7	36.2	36.0	35.7	35.4	34.9	34.7	34.4	33.2	30.6	28.6
7.5°	37.5	37.0	36.7	36.2	35.4	35.2	34.7	34.2	32.2	28.6	26.3
10°	38.7	38.0	37.2	36.5	35.7	35.2	34.4	33.9	30.9	26.8	24.6
12.5°	40.0	39.0	38.0	36.7	36.0	35.2	34.4	33.4	29.9	25.3	22.8
15°	41.5	40.0	38.7	37.5	36.2	35.2	33.9	33.2	28.9	24.1	21.8
17.5°	43.0	41.3	39.5	37.7	36.5	34.9	33.9	32.7	27.9	23.0	20.5
20°	44.8	42.3	40.5	38.5	36.7	34.9	33.4	32.2	26.8	21.8	19.2
22.5°	47.4	44.3	41.5	39.2	37.0	35.2	33.4	31.7	25.8	20.8	18.2
25°	50.6	46.8	43.6	40.8	38.0	35.7	33.7	31.9	25.1	20.0	17.0
27.5°	55.5	50.6	47.1	43.3	39.8	37.0	34.4	32.4	24.6	19.2	16.2
30°	61.3	56.5	50.9	46.3	42.5	38.7	36.0	32.9	24.1	18.5	15.2
32.5°	69.9	63.0	56.5	50.9	45.6	41.3	37.2	34.2	23.8	17.2	14.2
35°	82.3	72.9	65.1	57.7	50.4	45.1	40.3	36.2	23.5	16.2	13.2
37.5°	100.0	88.9	78.7	68.4	59.3	51.7	45.1	39.8	23.5	15.4	12.2
40°	119.0	104.6	91.7	78.7	67.1	57.5	48.6	42.0	23.0	14.4	11.1
42.5°	140.5	122.8	105.1	89.1	74.7	62.3	51.9	43.8	21.8	13.4	10.1
45°	169.4	146.1	124.8	104.3	85.6	69.4	56.2	45.8	20.5	12.7	9.1
47.5°	205.6	178.5	150.9	125.1	100.5	80.0	62.5	49.1	19.8	11.6	8.4
50°	259.5	221.1	184.6	151.7	120.5	93.7	71.9	53.9	19.0	10.9	7.6
52.5°	318.8	271.4	228.6	186.4	147.6	112.2	82.8	60.3	18.2	10.1	6.8
55°	391.0	332.7	280.6	225.6	176.0	133.7	96.2	67.4	17.2	9.4	6.3
57.5°	480.1	406.4	344.6	277.5	215.2	161.5	114.2	79.3	16.2	8.4	5.6
60°	579.6	496.3	418.6	339.8	264.4	198.5	140.8	96.2	15.2	7.3	4.8
62.5°	651.3	559.8	471.0	382.6	299.8	226.1	162.3	109.4	13.7	6.3	4.3
65°	650.5	557.8	468.4	381.3	300.8	227.1	163.1	111.9	12.2	5.6	3.8
67.5°	579.6	501.6	421.8	343.6	273.2	206.6	150.9	103.8	10.4	5.1	3.3
70°	476.8	414.8	351.7	289.7	233.2	177.0	130.4	90.4	8.9	4.6	2.8
72.5°	348.2	302.8	264.4	220.5	182.1	139.8	104.1	70.9	7.1	3.8	2.5
75°	172.9	154.7	132.7	119.0	101.5	83.1	64.6	41.3	5.8	3.0	2.3
77.5°	32.9	29.4	28.1	24.3	22.3	19.8	17.5	12.4	4.6	2.3	2.0
80°	15.2	13.9	12.7	11.4	10.1	8.6	7.6	6.6	3.5	1.8	2.3
82.5°	11.9	10.9	9.6	8.6	7.6	6.6	5.6	4.8	2.3	1.5	2.3
85°	7.8	6.8	6.1	5.3	4.6	4.1	3.5	3.0	1.5	1.5	1.5
87.5°	2.3	2.3	2.0	2.0	1.8	1.8	1.5	1.5	1.3	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):

	125°	135°	145°	155°	165°	175°	180°
0°	34.4	34.4	34.4	34.4	34.4	34.4	34.4
2.5°	30.6	29.4	28.9	28.6	28.6	28.9	28.6
5°	27.1	25.8	25.3	24.8	24.8	24.8	25.1
7.5°	24.8	23.5	22.8	22.5	22.3	22.5	22.5
10°	22.8	21.8	20.8	20.3	20.3	20.3	20.3
12.5°	21.3	20.0	19.0	18.7	18.5	18.5	18.5
15°	20.0	18.5	17.7	17.2	17.0	17.0	17.2
17.5°	18.5	17.2	16.2	16.0	16.0	16.0	16.0
20°	17.5	16.0	15.2	14.7	14.7	14.7	14.7
22.5°	16.2	14.9	13.9	13.4	13.4	13.4	13.4
25°	15.2	13.9	12.9	12.4	12.4	12.4	12.4
27.5°	14.2	12.9	11.9	11.4	11.4	11.4	11.4
30°	13.2	11.9	10.9	10.4	10.4	10.4	10.4
32.5°	12.4	10.9	9.9	9.4	9.4	9.6	9.4
35°	11.1	9.9	8.9	8.4	8.4	8.4	8.4
37.5°	10.1	8.9	7.8	7.3	7.3	7.3	7.1
40°	9.4	7.8	6.8	6.3	6.1	6.1	6.1
42.5°	8.1	6.6	5.8	5.3	5.1	5.1	5.1
45°	7.3	5.8	4.8	4.3	4.3	4.3	4.3
47.5°	6.6	5.1	4.1	3.5	3.5	3.8	3.8
50°	5.8	4.3	3.3	3.3	3.3	3.5	3.5
52.5°	5.1	3.8	3.0	3.0	3.3	3.5	3.5
55°	4.6	3.3	2.8	3.0	3.3	3.5	3.5
57.5°	4.1	2.8	2.8	3.0	3.3	3.5	3.5
60°	3.5	2.5	2.5	2.8	3.3	3.5	3.5
62.5°	3.0	2.5	2.5	2.8	3.3	3.5	3.5
65°	2.8	2.5	2.5	2.8	3.3	3.5	3.5
67.5°	2.5	2.3	2.5	2.8	3.0	3.3	3.3
70°	2.3	2.3	2.5	2.8	3.0	3.3	3.3
72.5°	2.3	2.3	2.3	2.5	2.8	3.0	3.0
75°	2.3	2.3	2.3	2.5	2.8	3.0	3.0
77.5°	2.3	2.0	2.0	2.3	2.8	3.0	3.0
80°	2.3	2.0	2.0	2.3	2.5	3.0	3.0
82.5°	1.8	1.8	2.0	2.3	2.5	2.8	2.8
85°	1.5	1.8	1.8	2.0	2.3	2.8	2.8
87.5°	1.3	1.3	1.5	1.8	2.0	2.3	2.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)