

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: P151575

Luminaire Tested: **VXS-F01-LED-E1-SL4-HSS**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P151575
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33728)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: VXS-F01-LED-E1-SL4-HSS
Description: VISION SITE SMALL LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 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: 1679.8 lumens
Efficiency: N/A
Efficacy: 64.9 lumens/watt
Luminous Opening: Rectangular (W 0.17' x L: 1' x H: 0')
IES Classification: Type IV - Short - Semi-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

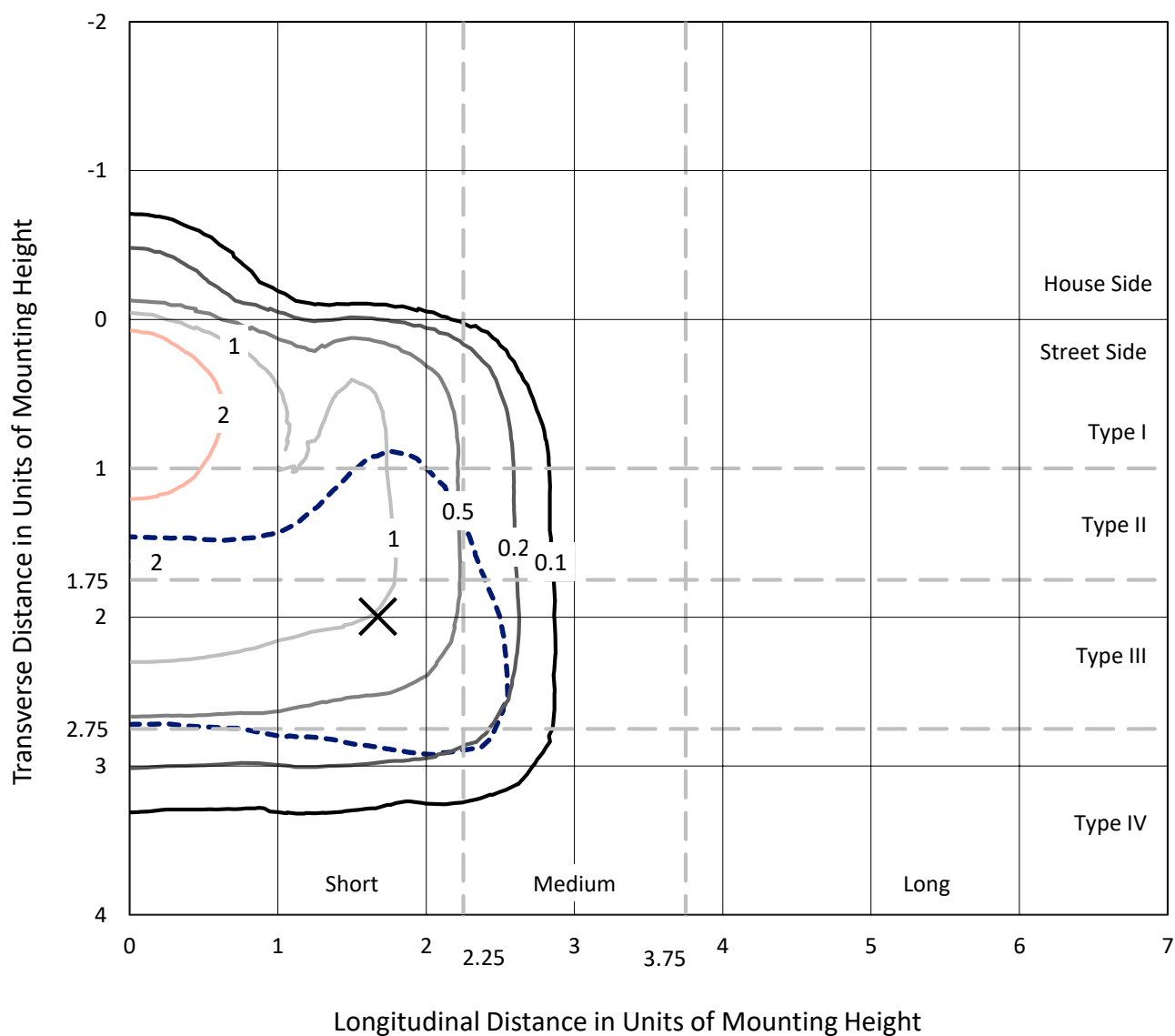


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

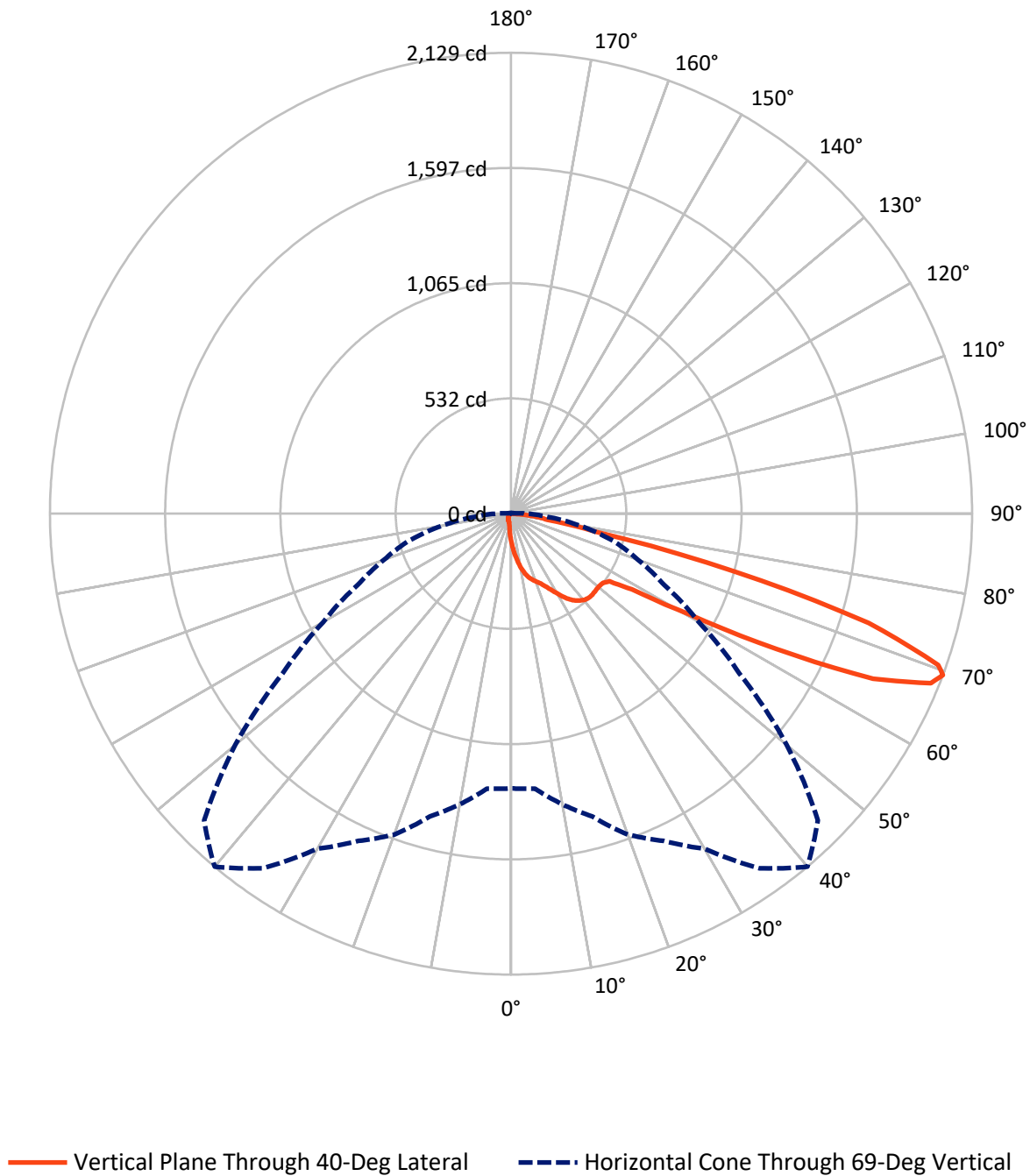


Based on 10 foot mounting height. Maximum calculated value = 3.8 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	50.0	0.0	50.0
	% Fixture	3.0	0.0	3.0
Street Side	Lumens	1629.8	0.0	1629.8
	% Fixture	97.0	0.0	97.0
Total	Lumens	1679.8	0.0	1679.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.0	0.8
10°-20°	45.0	2.7
20°-30°	86.0	5.1
30°-40°	143.1	8.5
40°-50°	193.6	11.5
50°-60°	302.8	18.0
60°-70°	622.6	37.1
70°-80°	250.5	14.9
80°-90°	23.2	1.4
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°	1679.8	100.0
0°-180°	1679.8	100.0

Coefficient of Utilization



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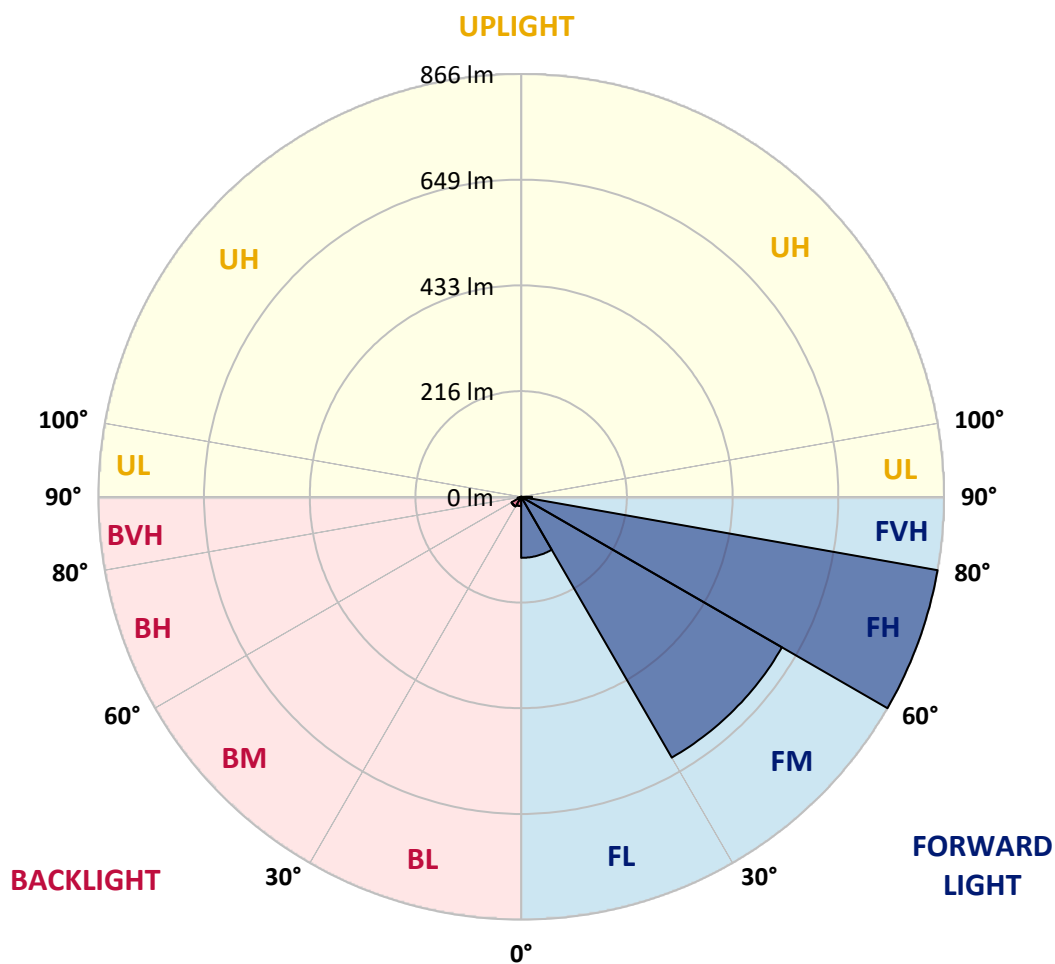
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	125.0	7.4			
FM	(30°-60°)	616.7	36.7			
FH	(60°-80°)	865.8	51.5			G1/1800
FVH	(80°-90°)	22.3	1.3			G1/100
BL	(0°-30°)	19.0	1.1	B0/110		
BM	(30°-60°)	22.8	1.4	B0/220		
BH	(60°-80°)	7.3	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 IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	126.8	126.8	126.8	126.8	126.8	126.8	126.8	126.8	126.8	126.8	126.8
2.5°	169.2	167.4	165.1	165.1	162.4	162.4	160.7	156.3	155.8	153.3	150.8
5°	216.1	214.4	211.6	209.1	206.9	203.1	200.3	195.1	189.3	183.8	178.9
7.5°	261.7	260.8	256.0	255.1	251.5	245.2	239.7	232.0	222.1	214.4	205.3
10°	304.0	302.2	301.0	296.4	291.1	284.2	275.8	266.3	254.8	242.7	229.7
12.5°	337.6	336.6	331.6	329.6	324.1	317.3	306.5	294.4	282.9	267.2	252.0
15°	362.7	360.7	357.4	354.4	347.8	341.8	331.8	318.7	304.7	287.6	269.4
17.5°	383.6	380.0	379.2	374.5	367.7	360.5	349.4	337.4	320.8	303.8	283.9
20°	411.7	406.7	405.1	398.1	390.2	380.3	367.7	352.5	335.1	316.5	296.1
22.5°	444.7	441.1	437.5	431.5	421.2	407.3	388.8	372.3	350.3	329.6	307.7
25°	491.5	488.4	482.7	474.4	461.8	445.0	422.7	398.4	372.5	346.2	320.3
27.5°	536.9	534.1	529.9	523.6	509.3	490.9	463.4	432.5	399.8	367.9	339.3
30°	579.5	577.0	573.0	566.6	553.9	535.8	504.7	471.6	430.9	393.8	359.4
32.5°	625.5	624.7	620.0	610.9	599.9	575.4	541.6	506.0	464.8	421.9	381.7
35°	677.5	671.2	666.7	657.6	639.0	612.8	573.2	534.4	490.9	446.8	402.1
37.5°	721.6	715.4	709.9	698.4	675.5	642.3	597.4	554.7	509.9	465.1	419.4
40°	753.7	750.7	744.0	728.9	703.3	663.7	615.3	568.8	523.6	478.5	433.4
42.5°	777.6	773.0	765.5	749.8	719.6	674.4	622.5	574.6	529.9	486.7	442.5
45°	786.4	782.6	775.8	758.7	725.9	677.5	622.2	573.0	530.3	489.2	448.5
47.5°	781.2	777.4	771.3	755.3	723.1	673.9	617.2	568.2	527.5	490.1	454.0
50°	763.8	761.7	757.0	743.5	714.6	667.0	612.8	565.8	526.9	494.2	461.8
52.5°	762.3	760.8	755.1	741.6	712.1	664.9	612.2	567.2	531.6	499.5	467.3
55°	931.5	911.9	868.2	831.0	769.9	697.3	640.1	589.4	551.4	520.1	497.5
57.5°	1323.8	1294.7	1237.2	1166.4	1026.1	888.3	777.9	698.1	658.8	644.5	653.0
60°	1507.7	1502.5	1493.4	1459.8	1388.0	1269.4	1137.3	994.5	937.2	932.3	949.6
62.5°	1594.9	1591.6	1594.4	1590.3	1568.0	1533.3	1495.3	1433.7	1377.0	1340.4	1262.8
65°	1635.1	1637.3	1653.0	1665.4	1668.1	1677.2	1705.0	1781.8	1837.9	1743.5	1528.1
67.5°	1533.0	1545.9	1582.0	1627.2	1679.9	1731.1	1813.7	1975.4	2090.8	1979.9	1673.9
69°	1269.1	1275.4	1363.5	1448.5	1577.6	1667.9	1787.6	1999.7	2129.3	2004.1	1662.4
70°	999.2	1005.0	1099.3	1214.9	1433.2	1549.2	1705.8	1958.7	2093.3	1971.9	1602.9
72.5°	450.8	442.5	475.8	537.7	774.9	959.3	1233.1	1586.9	1727.0	1579.8	1199.2
75°	314.8	311.2	314.8	315.0	351.9	454.0	573.0	860.2	1063.8	918.0	573.0
77.5°	243.8	241.3	238.9	236.1	240.5	269.4	280.9	305.2	396.3	374.8	218.4
80°	192.8	190.7	196.8	194.8	194.8	198.1	196.0	186.8	169.7	157.4	140.9
82.5°	89.7	90.3	90.3	97.9	118.0	137.8	144.1	135.1	120.0	102.1	82.3
85°	8.5	9.6	16.3	25.1	49.8	56.2	56.4	46.7	46.7	36.9	29.7
87.5°	0.0	0.3	0.3	0.3	2.5	6.8	5.8	1.7	0.8	0.8	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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	126.8	126.8	126.8	126.8	126.8	126.8	126.8	126.8	126.8	126.8	126.8
2.5°	146.4	145.6	142.3	139.0	136.0	132.6	129.6	126.6	123.3	120.8	117.8
5°	171.2	165.1	158.2	151.6	145.0	138.1	131.0	124.7	118.0	112.0	106.2
7.5°	196.2	184.4	175.0	163.2	152.4	141.8	131.8	121.7	112.2	103.4	95.2
10°	217.4	203.1	188.5	173.4	157.9	143.6	129.8	117.8	105.4	94.6	84.5
12.5°	234.7	216.6	198.7	179.7	162.4	144.1	127.2	112.5	97.9	85.8	75.4
15°	250.4	229.5	208.1	186.0	164.0	143.3	124.4	106.2	91.4	77.6	65.8
17.5°	263.1	239.2	214.9	190.2	166.5	142.3	120.8	101.9	84.5	70.2	58.7
20°	274.1	249.0	222.9	195.1	168.1	142.0	117.8	96.3	78.4	63.3	52.0
22.5°	284.2	259.2	231.2	201.5	170.6	141.8	115.0	92.2	73.2	58.0	46.7
25°	295.9	269.4	240.0	208.1	175.0	142.8	113.4	88.9	68.5	53.1	42.7
27.5°	308.7	280.9	250.4	216.3	180.8	145.0	112.8	85.3	64.4	48.4	39.4
30°	326.9	294.7	260.8	224.6	186.0	147.5	112.2	83.1	60.3	44.9	36.1
32.5°	342.9	308.2	272.4	233.1	191.8	149.9	112.0	80.1	56.4	41.2	33.6
35°	359.7	320.6	282.3	241.3	196.8	152.7	111.7	77.8	52.8	37.7	31.1
37.5°	374.2	331.0	290.1	248.5	202.3	155.2	112.0	76.0	49.5	34.7	28.9
40°	386.6	341.8	298.5	255.1	208.1	159.1	112.2	74.0	46.2	31.9	26.9
42.5°	397.6	351.9	307.7	262.5	214.6	163.4	113.9	72.3	43.5	29.4	25.1
45°	406.1	361.3	317.5	273.0	225.4	170.6	117.0	71.3	40.7	27.3	23.4
47.5°	414.9	375.0	334.3	289.5	241.0	181.9	122.2	71.0	38.5	25.6	22.0
50°	427.0	388.8	349.2	306.3	255.3	193.5	128.5	71.3	35.8	23.9	20.6
52.5°	435.9	402.9	368.5	335.4	289.5	228.7	153.0	76.3	34.4	22.6	19.0
55°	487.9	482.1	482.9	488.4	453.0	389.1	256.0	110.1	40.4	25.6	18.8
57.5°	688.0	708.3	720.1	719.9	661.2	548.4	343.7	141.5	45.1	29.7	22.3
60°	951.0	935.5	913.9	860.2	782.3	626.0	384.5	152.1	39.1	23.6	20.4
62.5°	1183.5	1093.3	1013.2	926.2	824.1	653.0	392.6	151.3	34.1	17.9	14.3
65°	1328.5	1166.2	1036.9	927.9	807.7	630.5	371.5	139.0	28.9	14.6	11.8
67.5°	1363.2	1126.8	943.8	804.9	674.7	490.7	272.7	104.6	22.6	12.1	10.5
69°	1287.6	1001.7	782.1	624.4	490.9	325.5	168.7	66.0	17.3	11.0	9.6
70°	1184.4	871.2	637.0	501.1	363.5	228.7	118.0	46.5	14.0	10.2	8.8
72.5°	762.0	457.6	313.2	217.9	149.9	91.1	46.2	20.9	10.8	8.5	7.2
75°	295.5	169.2	122.7	93.3	73.0	50.7	28.1	13.5	9.1	7.2	5.5
77.5°	145.6	111.4	91.1	62.5	36.4	22.6	15.1	10.5	7.5	5.2	3.6
80°	115.0	76.5	45.7	28.4	21.5	16.3	11.6	8.5	5.5	3.3	2.5
82.5°	58.9	32.2	23.6	19.3	16.0	12.6	9.3	6.0	3.6	2.2	2.0
85°	18.4	13.5	12.1	11.8	11.0	9.1	6.6	3.8	2.2	1.3	1.3
87.5°	1.3	2.0	2.5	2.0	2.2	2.0	2.5	1.7	1.1	1.1	0.8
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	126.8	126.8	126.8	126.8	126.8	126.8	126.8	126.8	126.8	126.8	126.8
2.5°	115.5	112.2	109.2	107.4	103.7	102.4	101.0	100.4	97.9	98.5	96.3
5°	101.0	95.2	90.8	86.4	82.3	79.3	76.8	73.8	71.3	70.2	68.0
7.5°	87.8	80.3	74.6	69.8	65.0	61.1	57.8	55.5	53.4	51.2	50.1
10°	76.3	68.3	61.7	57.0	52.3	49.0	46.5	44.9	43.5	42.7	42.4
12.5°	65.5	57.8	51.7	47.6	44.0	42.4	41.2	40.4	40.2	39.9	39.9
15°	57.2	49.5	44.9	41.9	40.2	39.4	39.1	38.5	37.9	37.7	37.7
17.5°	49.5	43.7	40.4	38.8	37.9	37.4	36.9	36.4	35.8	35.5	35.5
20°	44.4	39.6	37.9	36.9	36.1	35.5	34.7	34.1	33.9	33.6	33.3
22.5°	40.2	37.1	36.1	35.2	34.1	33.3	32.7	32.2	31.6	31.4	31.1
25°	37.1	35.2	34.4	33.3	32.2	31.4	30.6	29.7	29.1	28.9	28.4
27.5°	34.9	33.6	32.4	31.1	29.9	29.1	28.4	27.6	26.9	26.4	26.1
30°	33.1	31.6	30.3	29.1	27.8	26.9	25.9	25.1	24.8	24.2	23.6
32.5°	31.1	29.7	28.4	26.9	25.6	24.5	23.9	22.8	22.3	22.0	21.5
35°	28.9	27.6	25.9	24.8	23.4	22.3	21.5	20.6	20.1	19.6	19.3
37.5°	26.9	25.3	23.6	22.3	21.1	20.1	19.3	18.4	17.9	17.3	17.1
40°	24.8	23.1	21.5	20.1	19.0	18.1	17.3	16.5	16.0	15.6	15.6
42.5°	22.8	20.9	19.3	18.1	17.3	16.3	15.4	14.6	14.3	14.0	14.3
45°	20.9	19.0	17.6	16.5	15.6	14.6	13.8	13.2	13.0	13.2	13.5
47.5°	19.3	17.3	16.0	15.1	14.3	13.5	12.6	12.1	12.1	12.6	13.2
50°	17.6	15.6	14.6	14.0	13.2	12.3	11.3	11.0	11.3	11.8	12.3
52.5°	16.0	13.8	13.0	12.6	11.8	11.0	10.2	9.9	10.2	10.8	10.5
55°	14.3	12.1	11.8	11.6	10.8	9.6	8.8	8.8	8.8	8.5	8.0
57.5°	13.8	10.8	10.5	10.2	9.3	8.3	7.7	7.2	6.8	6.0	5.8
60°	14.3	9.6	9.6	9.1	8.3	7.2	6.3	5.5	5.0	4.4	4.4
62.5°	11.6	8.8	8.5	8.0	6.8	5.8	5.0	4.1	3.8	3.6	3.6
65°	9.3	8.0	7.5	6.6	5.8	4.7	3.8	3.3	3.0	3.0	3.3
67.5°	8.5	7.2	6.3	5.5	4.7	3.6	3.0	2.8	2.8	3.0	3.0
69°	8.0	6.6	5.8	5.0	4.1	3.3	2.8	2.8	2.8	2.8	3.0
70°	7.5	6.3	5.5	4.7	3.6	2.8	2.5	2.5	2.8	2.8	3.0
72.5°	5.8	5.0	4.7	3.8	2.8	2.5	2.2	2.5	2.5	2.8	2.8
75°	4.4	3.6	3.6	3.0	2.2	2.0	2.0	2.2	2.2	2.5	2.5
77.5°	3.0	2.5	2.5	2.2	2.0	1.7	1.7	2.0	2.2	2.2	2.5
80°	2.2	2.0	1.7	2.0	1.7	1.3	1.7	2.0	2.0	2.2	2.2
82.5°	1.7	1.7	1.7	1.7	1.3	1.3	1.7	1.7	2.0	2.2	2.2
85°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.7	1.7	2.0	2.0
87.5°	0.8	0.8	0.8	1.1	1.1	1.3	1.3	1.3	1.3	1.7	1.7
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):

	165°	170°	175°	180°
0°	126.8	126.8	126.8	126.8
2.5°	95.8	95.4	94.4	94.6
5°	67.2	65.5	66.6	66.3
7.5°	49.2	49.0	48.7	49.2
10°	42.1	42.1	41.9	42.1
12.5°	39.6	39.6	39.6	39.6
15°	37.7	37.7	37.4	37.4
17.5°	35.5	35.5	35.5	35.2
20°	33.3	33.1	33.1	33.1
22.5°	30.8	30.6	30.6	30.6
25°	28.4	28.1	28.1	28.1
27.5°	25.9	25.6	25.3	25.3
30°	23.4	23.1	22.8	22.8
32.5°	20.9	20.6	20.4	20.4
35°	18.8	18.8	18.4	18.1
37.5°	16.8	16.8	16.8	16.8
40°	15.4	15.6	15.6	15.6
42.5°	14.6	14.8	15.1	15.4
45°	14.0	14.6	14.8	14.8
47.5°	13.8	14.0	14.3	14.3
50°	12.6	12.3	12.3	12.3
52.5°	10.2	9.6	9.3	9.1
55°	7.5	7.2	6.6	6.6
57.5°	5.2	5.2	5.0	5.0
60°	4.1	4.1	3.8	4.1
62.5°	3.6	3.6	3.6	3.6
65°	3.3	3.3	3.3	3.3
67.5°	3.3	3.3	3.3	3.3
69°	3.0	3.0	3.0	3.0
70°	3.0	3.0	3.0	3.0
72.5°	2.8	2.8	2.8	2.8
75°	2.5	2.8	2.8	2.8
77.5°	2.5	2.5	2.5	2.5
80°	2.2	2.2	2.5	2.5
82.5°	2.2	2.2	2.2	2.2
85°	2.0	2.0	2.2	2.2
87.5°	1.7	1.7	2.0	2.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)