

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: P553689

Luminaire Tested: **LXS-VA1-730-U-ASW-A**

Issue Date: 7/13/2021

Test Information

Test Method: LM-79-08
Report Number: P553689
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1803-687-22)
Test Lab: INNOVATION CENTER
Issue Date: 7/13/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: LXS-VA1-730-U-ASW-A
Description: LUXESCAPE OUTDOOR ARCHITECTURAL LUMINAIRE
70 CRI, 3000K LEDS AND TYPE III OPTIC, ARM MOUNT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2323 lumens
Efficiency: N/A
Efficacy: 96.8 lumens/watt
Luminous Opening: Circular (Dia: 1.62' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G1

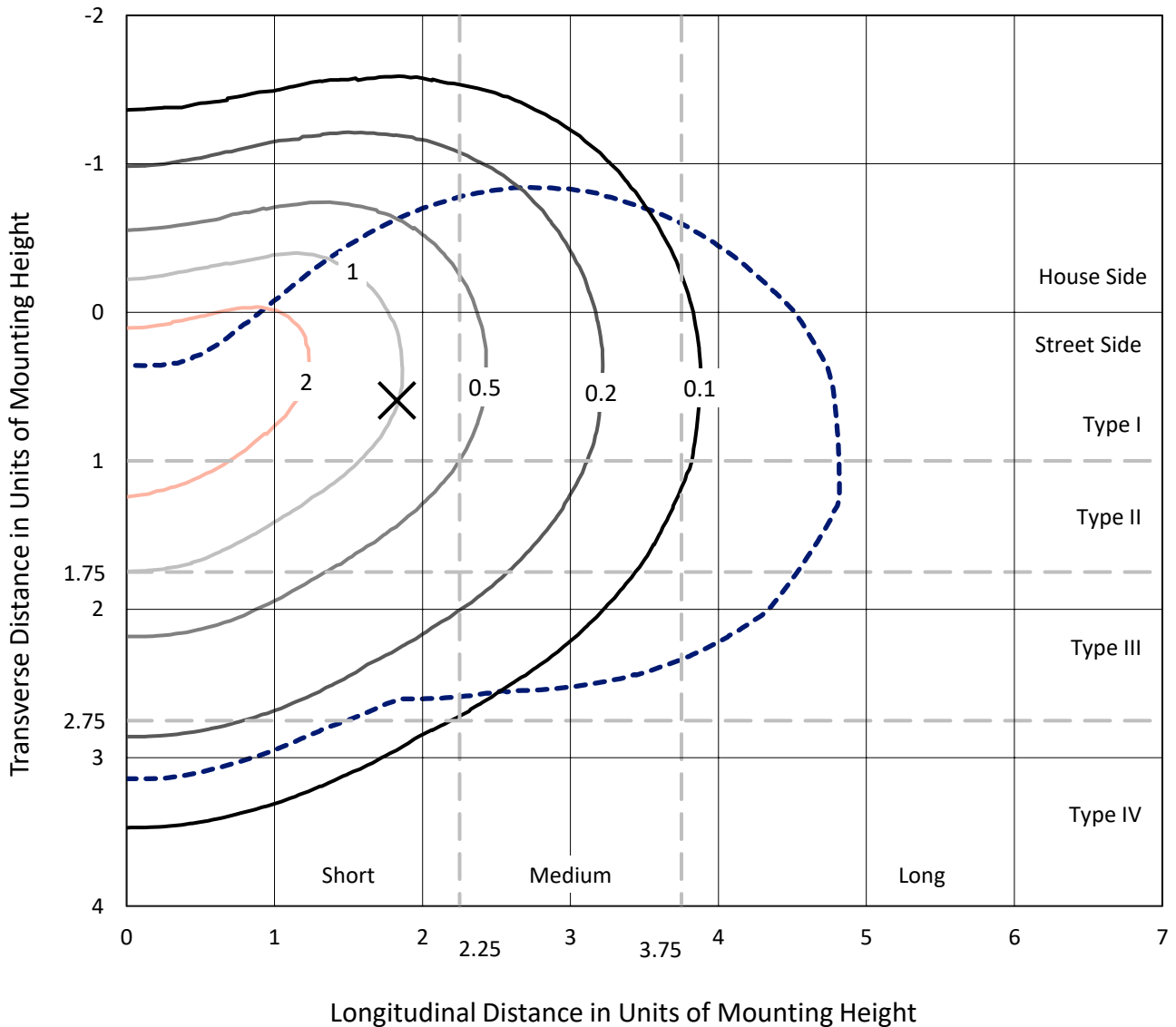
Input Watts (W): 24
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

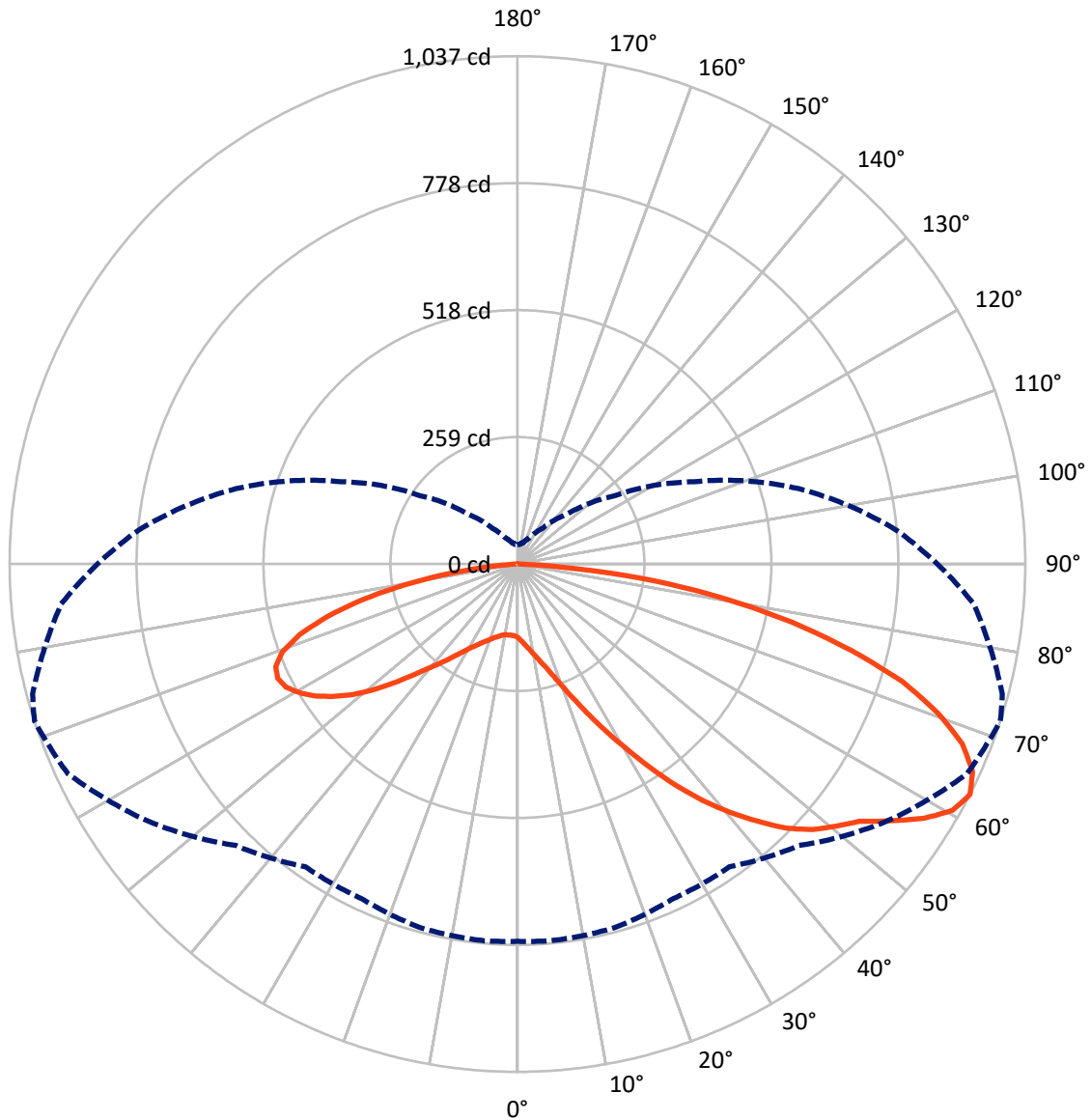
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.5 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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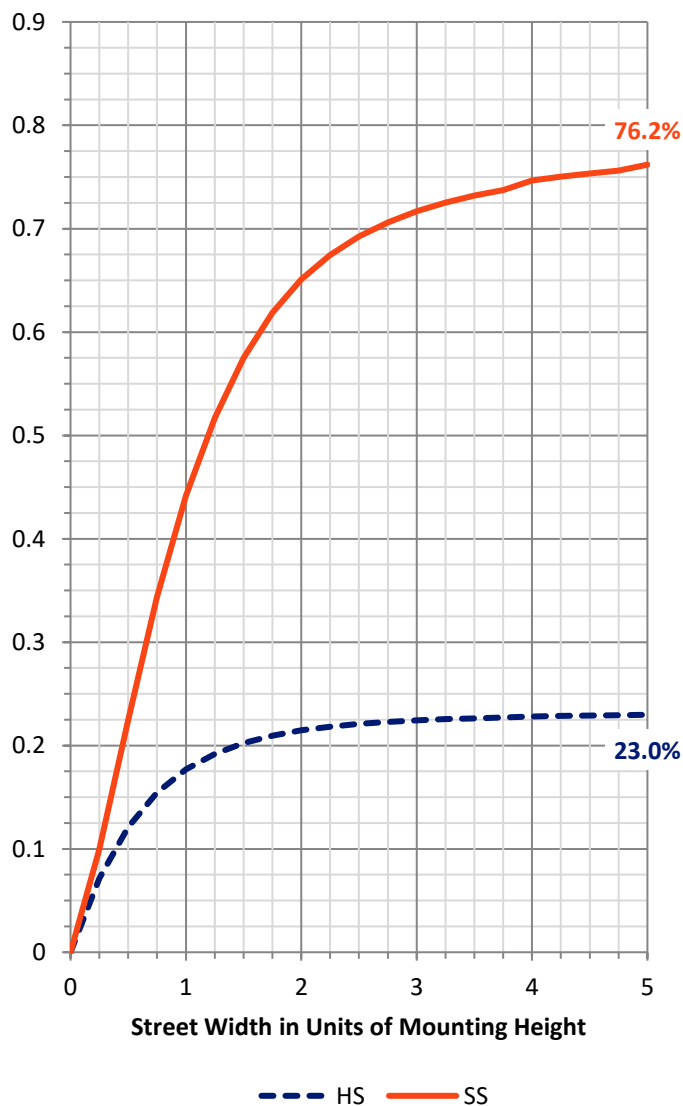
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	535.9	0.0	535.9
	% Fixture	23.1	0.0	23.1
Street Side	Lumens	1787.1	0.0	1787.1
	% Fixture	76.9	0.0	76.9
Total	Lumens	2323.0	0.0	2323.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.5	0.7
10°-20°	60.6	2.6
20°-30°	140.1	6.0
30°-40°	248.8	10.7
40°-50°	365.6	15.7
50°-60°	489.8	21.1
60°-70°	533.4	23.0
70°-80°	382.6	16.5
80°-90°	86.7	3.7
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°	2323.0	100.0
0°-180°	2323.0	100.0

Coefficient of Utilization



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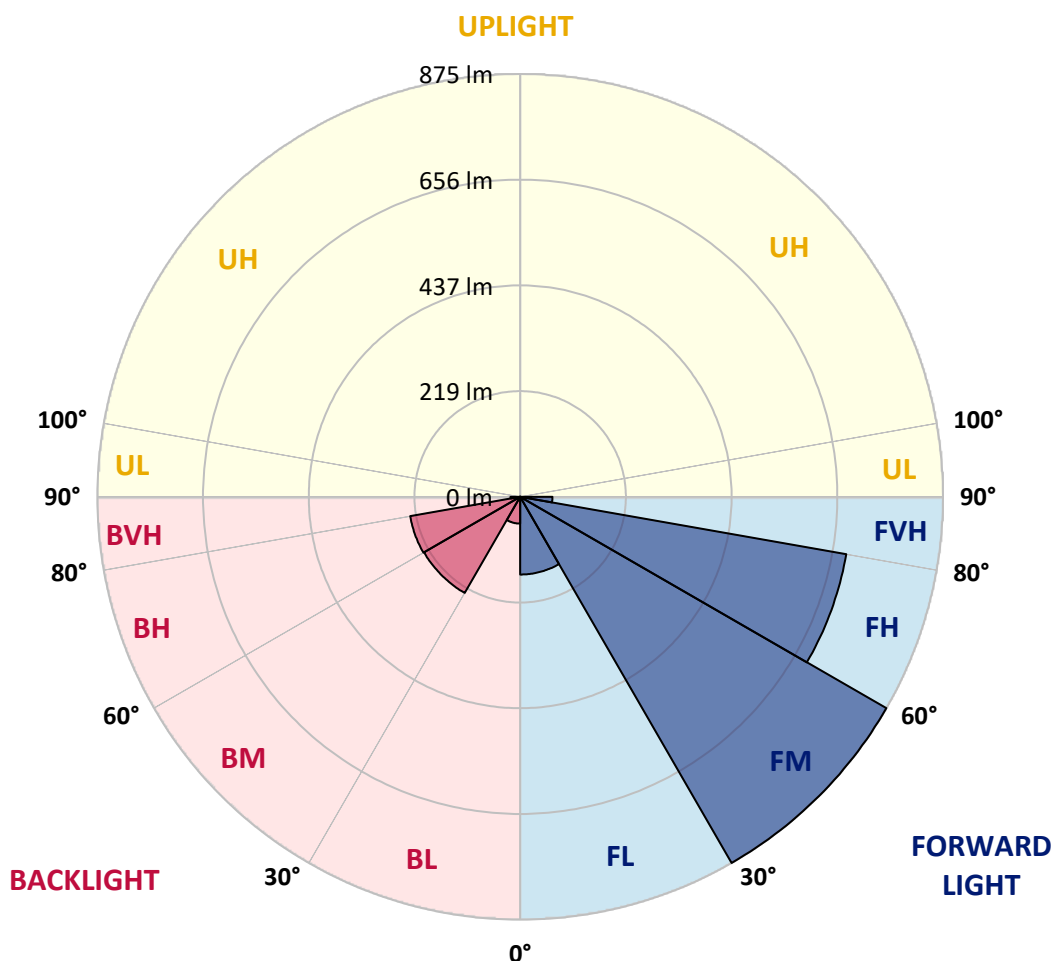
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	160.8	6.9			
FM (30°-60°)	874.6	37.7			
FH (60°-80°)	685.0	29.5			G1/1800
FVH (80°-90°)	66.8	2.9			G1/100
BL (0°-30°)	55.4	2.4	B0/110		
BM (30°-60°)	229.5	9.9	B1/1000		
BH (60°-80°)	231.0	9.9	B1/500		G1/500
BVH (80°-90°)	19.9	0.9			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0
2.5°	170.4	170.4	170.4	169.4	167.6	164.8	162.9	159.2	157.4	156.5	153.7
5°	191.7	191.7	190.7	189.8	186.1	181.5	176.8	170.4	165.7	163.9	158.3
7.5°	216.6	216.6	214.8	211.1	206.5	200.0	191.7	182.4	175.9	173.1	163.9
10°	247.2	246.3	244.4	236.1	229.6	220.4	210.2	197.2	187.9	184.2	171.3
12.5°	284.2	285.2	280.5	272.2	261.1	246.3	230.5	214.8	202.8	197.2	179.6
15°	348.1	348.1	338.9	321.3	303.7	279.6	257.4	234.2	219.4	212.9	190.7
17.5°	481.4	475.0	458.3	410.2	366.6	327.8	294.4	261.1	241.6	231.5	203.7
20°	542.5	541.6	535.1	509.2	452.7	388.9	342.6	295.3	269.4	258.3	219.4
22.5°	560.1	559.2	554.6	546.3	522.2	453.7	395.3	337.9	302.8	288.9	240.7
25°	587.0	587.0	579.6	563.8	553.7	515.7	445.3	386.1	342.6	325.9	267.6
27.5°	604.6	604.6	603.7	594.4	574.0	559.2	499.0	437.0	387.0	367.6	301.8
30°	637.9	635.1	631.4	623.1	612.9	588.8	558.3	487.9	437.0	412.0	338.9
32.5°	728.6	722.2	693.5	660.1	647.2	625.9	610.1	540.7	493.5	465.7	382.4
35°	786.0	783.3	762.0	713.8	677.7	665.7	648.1	599.0	552.7	524.0	432.4
37.5°	804.6	802.7	787.9	757.3	713.8	697.2	685.1	654.6	611.1	584.2	487.0
40°	825.9	822.2	799.0	772.2	744.4	722.2	722.2	705.5	665.7	642.5	541.6
42.5°	813.8	815.7	800.9	773.1	757.3	742.5	753.6	750.9	717.5	699.9	595.3
45°	740.7	748.1	763.8	770.3	749.9	758.3	778.6	789.7	769.4	750.9	647.2
47.5°	739.8	737.9	750.9	752.7	755.5	771.2	799.0	823.1	810.1	796.2	696.2
50°	796.2	789.7	779.6	775.9	778.6	787.0	818.4	849.0	841.6	835.1	743.5
52.5°	833.3	825.9	793.5	785.1	791.6	811.0	852.7	882.3	873.1	869.4	788.8
55°	899.0	892.5	849.0	799.0	807.3	840.7	897.1	928.6	924.9	911.0	833.3
57.5°	869.4	871.2	857.3	808.3	814.7	851.8	929.6	975.8	979.5	961.0	875.9
60°	815.7	817.5	814.7	791.6	795.3	841.6	935.1	1010.1	1021.2	1002.7	912.9
62.5°	770.3	772.2	768.5	753.6	754.6	812.9	917.5	1012.9	1036.9	1024.9	935.1
65°	700.9	707.3	713.8	699.0	706.4	771.2	878.6	988.8	1021.2	1016.6	937.9
67.5°	629.6	634.2	646.2	642.5	653.6	718.5	825.9	941.6	979.5	978.6	915.7
70°	572.2	574.0	575.9	578.7	589.8	653.6	760.1	870.3	910.1	918.4	865.7
72.5°	512.0	512.9	508.3	504.6	516.6	583.3	680.5	777.7	822.2	829.6	786.0
75°	439.8	441.6	431.4	425.9	438.9	498.1	587.0	670.3	702.7	718.5	680.5
77.5°	371.3	364.8	355.5	346.3	358.3	409.2	484.2	550.9	574.0	583.3	554.6
80°	290.7	283.3	272.2	264.8	274.1	313.9	371.3	418.5	430.5	437.0	411.1
82.5°	200.0	193.5	182.4	175.0	183.3	212.0	250.9	275.0	282.4	285.2	256.5
85°	95.4	89.8	84.3	83.3	89.8	100.9	107.4	116.7	116.7	110.2	107.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9	0.9	0.9
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0
2.5°	151.8	150.0	147.2	145.4	142.6	140.7	139.8	138.9	138.0	137.0	137.0
5°	155.5	151.8	147.2	142.6	138.0	134.2	131.5	129.6	127.8	126.8	126.8
7.5°	160.2	155.5	148.1	140.7	134.2	129.6	125.0	122.2	120.4	119.4	119.4
10°	165.7	160.2	149.1	139.8	132.4	125.9	120.4	116.7	114.8	113.0	113.0
12.5°	173.1	165.7	151.8	140.7	131.5	123.1	116.7	112.0	109.3	107.4	106.5
15°	181.5	173.1	156.5	142.6	131.5	121.3	113.0	107.4	103.7	101.8	101.8
17.5°	192.6	182.4	162.0	145.4	131.5	119.4	110.2	103.7	99.1	97.2	97.2
20°	205.5	192.6	168.5	149.1	132.4	118.5	108.3	100.0	94.4	92.6	91.7
22.5°	221.3	206.5	175.9	153.7	133.3	117.6	105.5	96.3	90.7	87.0	87.0
25°	242.6	222.2	185.2	158.3	135.2	117.6	102.8	92.6	86.1	82.4	82.4
27.5°	269.4	242.6	196.3	163.9	138.0	116.7	100.9	88.9	81.5	77.8	76.8
30°	300.0	267.6	209.2	170.4	140.7	116.7	98.1	85.2	76.8	72.2	71.3
32.5°	336.1	297.2	225.9	178.7	143.5	116.7	95.4	80.5	72.2	66.7	66.7
35°	375.0	330.5	246.3	187.9	147.2	116.7	93.5	77.8	67.6	63.0	63.0
37.5°	422.2	369.4	270.3	197.2	150.9	116.7	91.7	75.0	64.8	61.1	60.2
40°	474.0	412.0	296.3	210.2	156.5	117.6	90.7	74.1	63.9	59.3	58.3
42.5°	525.0	459.2	325.9	225.0	163.9	121.3	91.7	73.1	62.0	56.5	56.5
45°	578.7	507.4	362.0	246.3	173.1	124.1	91.7	71.3	60.2	54.6	54.6
47.5°	626.8	554.6	402.7	269.4	181.5	126.8	90.7	69.4	58.3	52.8	52.8
50°	673.1	604.6	444.4	293.5	191.7	129.6	90.7	68.5	56.5	50.9	50.9
52.5°	716.6	649.9	483.3	318.5	202.8	134.2	91.7	66.7	54.6	50.0	49.1
55°	756.4	687.0	517.5	343.5	214.8	138.0	91.7	65.7	52.8	48.1	47.2
57.5°	795.3	721.2	549.0	366.6	225.9	141.7	91.7	63.9	50.9	45.4	45.4
60°	831.4	753.6	574.0	385.2	235.2	143.5	90.7	62.0	49.1	43.5	42.6
62.5°	857.3	778.6	594.4	397.2	243.5	144.4	88.9	59.3	45.4	39.8	39.8
65°	864.7	788.8	602.7	400.9	247.2	143.5	86.1	56.5	40.7	36.1	36.1
67.5°	847.2	776.8	595.3	398.1	242.6	138.0	80.5	51.8	35.2	32.4	32.4
70°	805.5	737.9	567.5	382.4	230.5	129.6	74.1	47.2	28.7	27.8	27.8
72.5°	734.2	672.2	517.5	351.8	211.1	116.7	65.7	40.7	23.1	23.1	24.1
75°	636.1	580.5	445.3	306.5	183.3	100.9	55.6	31.5	17.6	19.4	19.4
77.5°	516.6	466.6	357.4	249.1	148.1	81.5	43.5	22.2	13.0	14.8	14.8
80°	379.6	337.0	257.4	181.5	108.3	58.3	27.8	13.0	9.3	10.2	10.2
82.5°	232.4	201.8	152.8	110.2	63.0	31.5	13.9	5.6	4.6	5.6	5.6
85°	93.5	79.6	61.1	37.0	16.7	7.4	2.8	1.9	0.9	0.9	0.9
87.5°	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)