

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: P553709

Luminaire Tested: **LXS-VA1-830-U-ASC-S**

Issue Date: 7/13/2021

Test Information

Test Method: LM-79-08
Report Number: P553709
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1803-687-15-R2)
Test Lab: INNOVATION CENTER
Issue Date: 7/13/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: LXS-VA1-830-U-ASC-S
Description: LUXESCAPE OUTDOOR ARCHITECTURAL LUMINAIRE
80 CRI, 3000K LEDS AND TYPE II OPTIC, SPIDER MOUNT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1606 lumens
Efficiency: N/A
Efficacy: 66.9 lumens/watt
Luminous Opening: Circular (Dia: 1.62' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 24
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: 28.75 FT

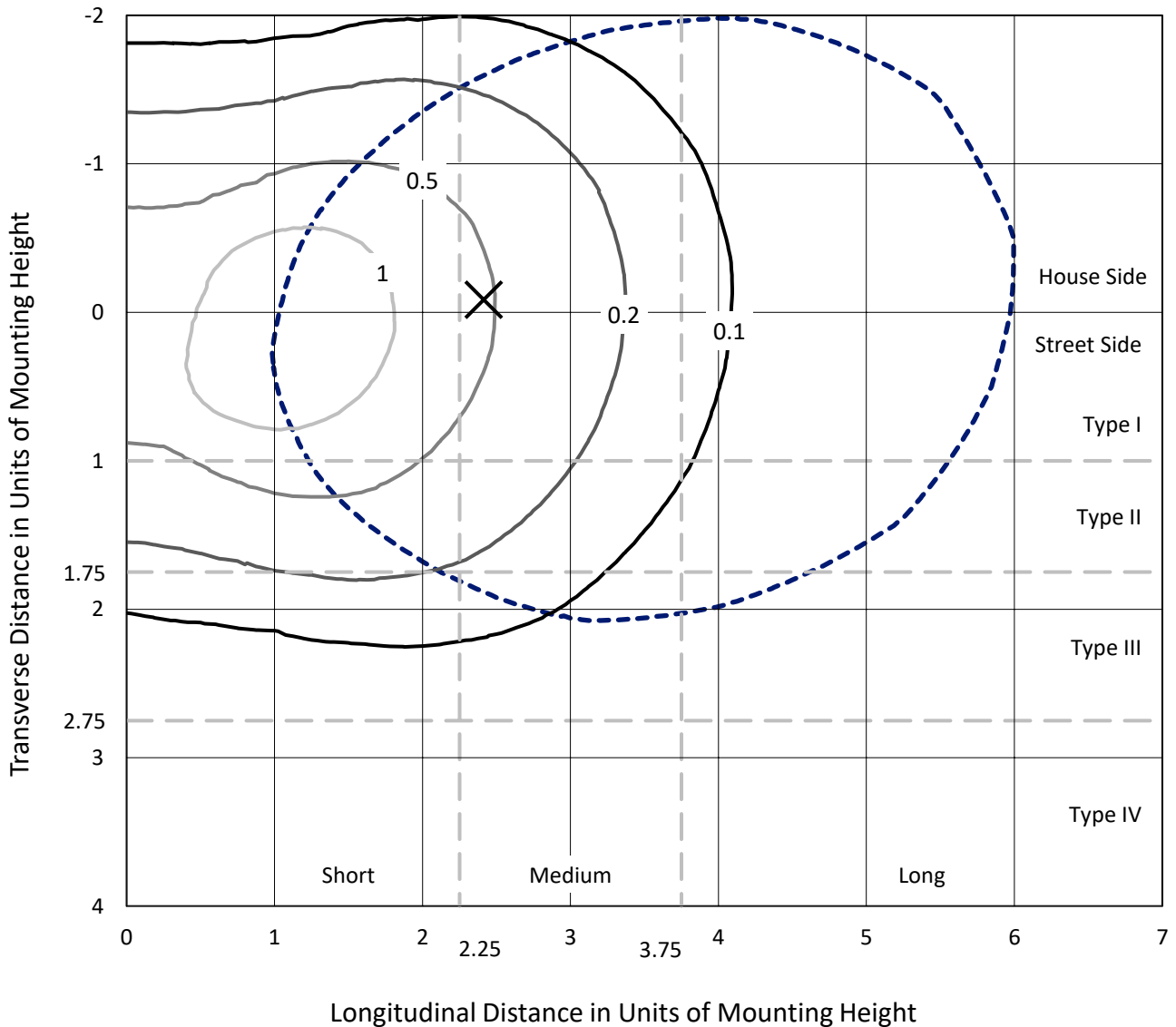


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Iso-Footcandle Lines of Horizontal Illumination

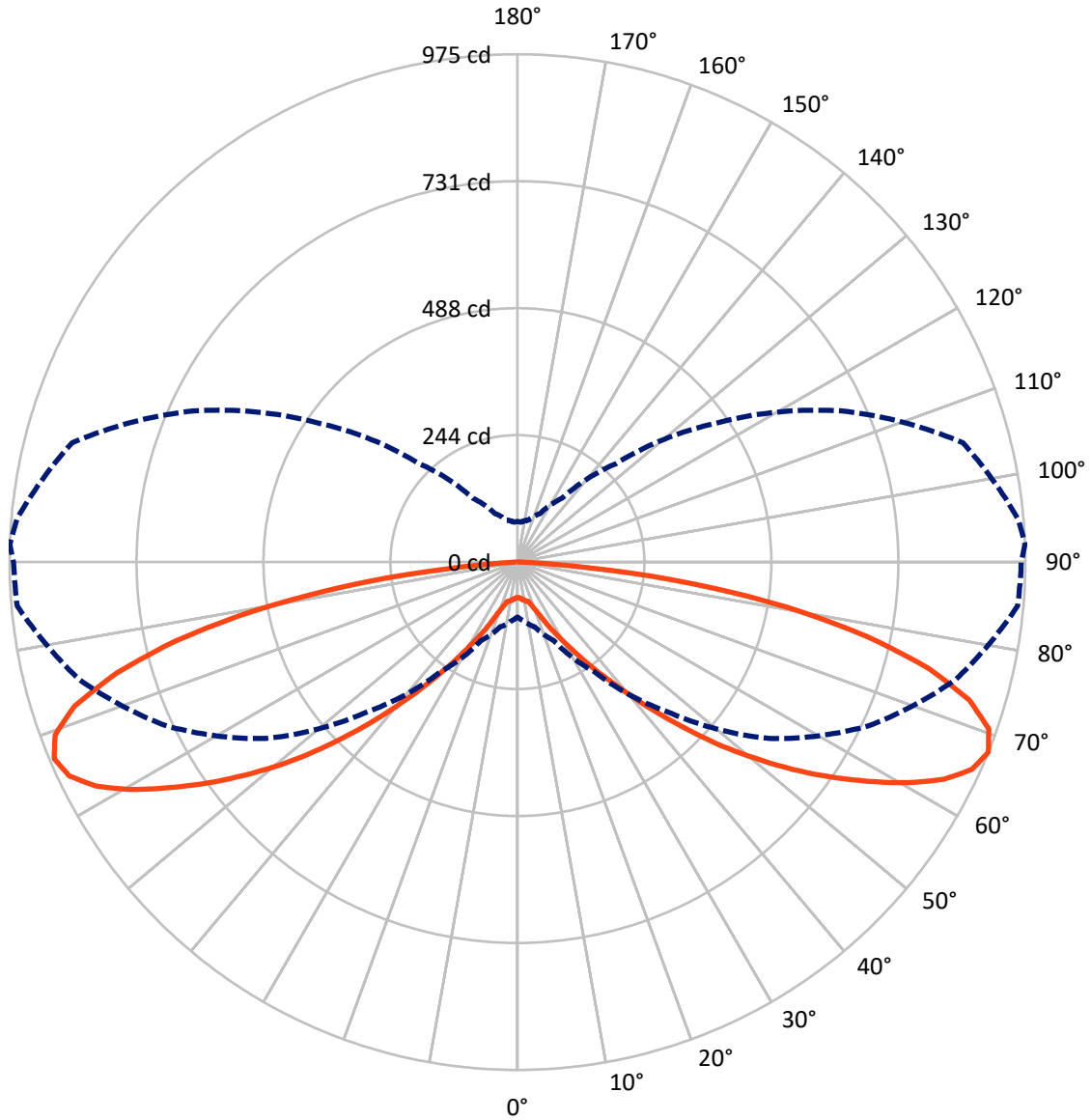
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 1.7 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 92-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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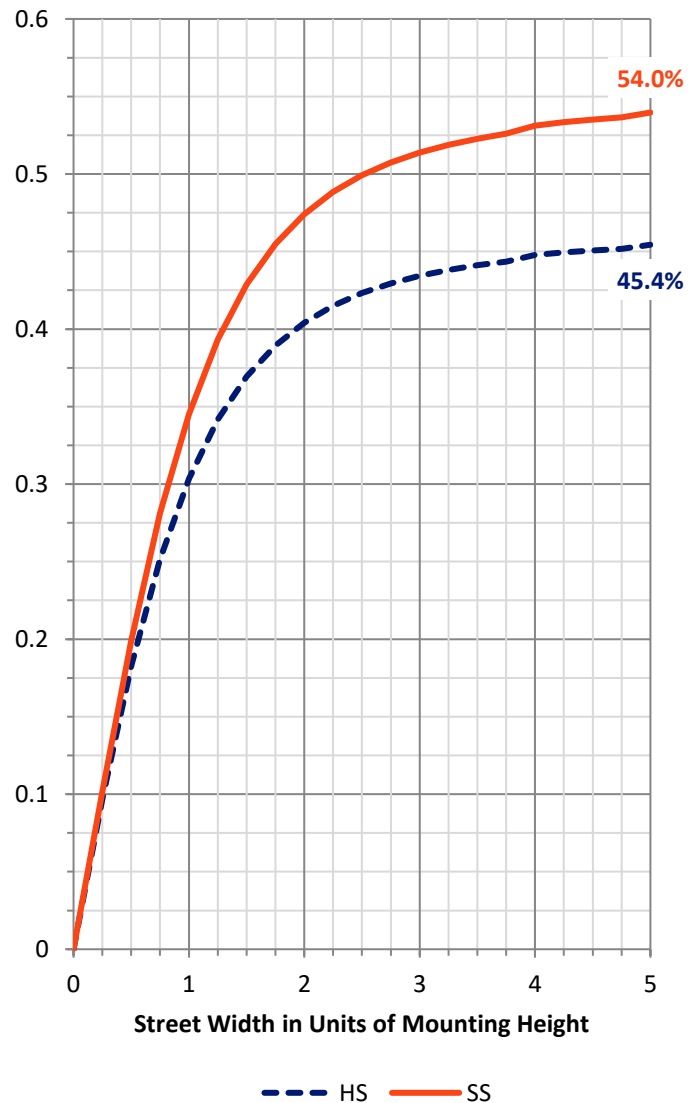
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	734.7	0.0	734.7
	% Fixture	45.7	0.0	45.7
Street Side	Lumens	871.3	0.0	871.3
	% Fixture	54.3	0.0	54.3
Total	Lumens	1606.0	0.0	1606.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.8	0.4
10°-20°	22.6	1.4
20°-30°	51.3	3.2
30°-40°	109.0	6.8
40°-50°	202.5	12.6
50°-60°	326.5	20.3
60°-70°	429.9	26.8
70°-80°	366.3	22.8
80°-90°	91.0	5.7
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°	1606.0	100.0
0°-180°	1606.0	100.0



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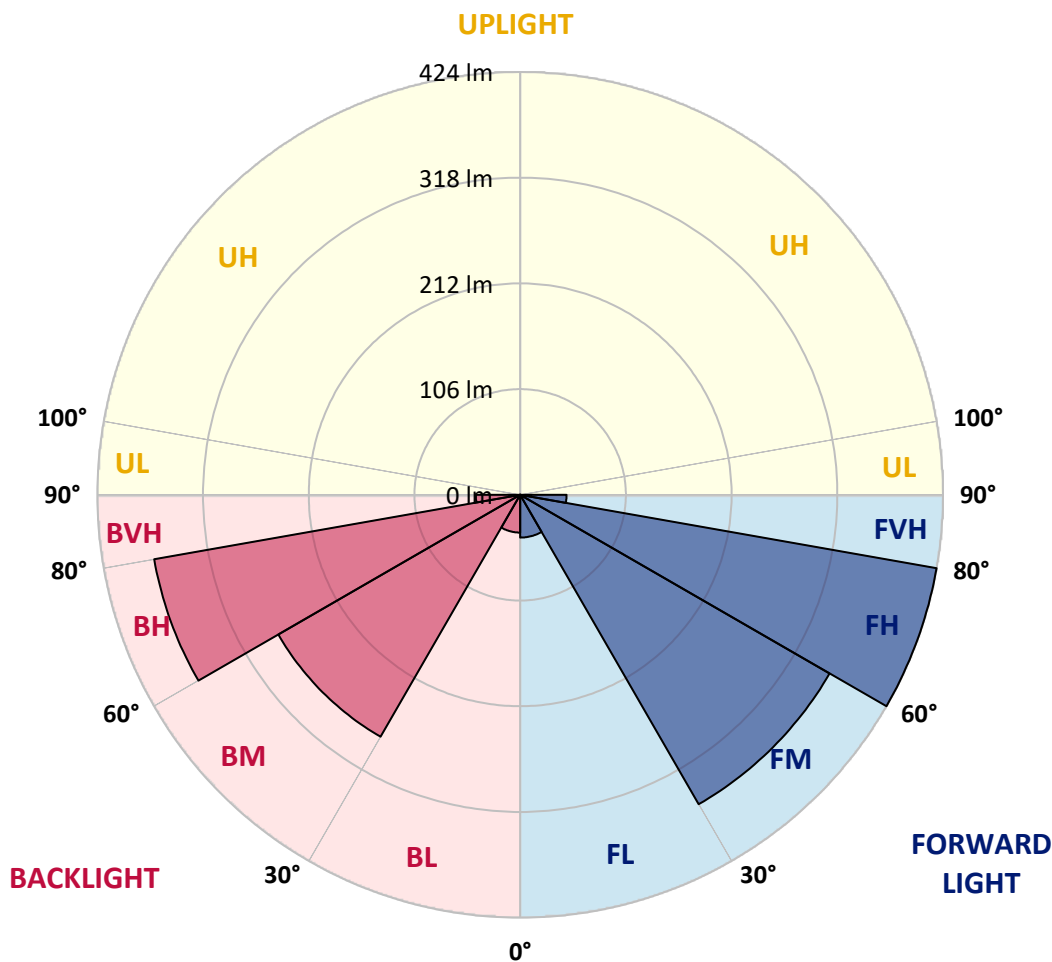
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	42.9	2.7			
FM	(30°-60°)	358.1	22.3			
FH	(60°-80°)	423.8	26.4			G0/660
FVH	(80°-90°)	46.5	2.9			G1/100
BL	(0°-30°)	37.8	2.4	B0/110		
BM	(30°-60°)	279.9	17.4	B1/1000		
BH	(60°-80°)	372.5	23.2	B1/500		G1/500
BVH	(80°-90°)	44.5	2.8			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 III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
2.5°	68.7	68.7	68.7	68.7	69.5	69.5	68.7	68.7	68.7	68.7	68.7
5°	71.2	70.4	71.2	71.2	71.2	71.2	70.4	70.4	70.4	70.4	70.4
7.5°	72.0	72.0	72.0	72.0	72.9	72.9	72.9	72.0	72.0	72.0	72.9
10°	72.0	72.9	72.9	73.7	74.5	75.4	75.4	74.5	74.5	74.5	74.5
12.5°	74.5	74.5	74.5	75.4	77.1	77.1	77.9	77.9	77.1	76.2	77.1
15°	77.1	77.1	77.9	78.7	80.4	80.4	80.4	80.4	79.6	78.7	77.9
17.5°	81.2	81.2	82.9	83.8	86.3	87.1	87.9	88.8	87.9	86.3	86.3
20°	87.1	87.1	88.8	90.5	92.1	94.6	96.3	96.3	96.3	96.3	96.3
22.5°	89.6	90.5	93.0	97.2	100.5	103.9	106.4	108.9	112.2	112.2	111.4
25°	92.1	93.0	97.2	102.2	109.7	116.4	124.8	133.2	137.4	134.0	133.2
27.5°	96.3	97.2	101.3	108.1	118.1	133.2	149.9	163.3	166.7	158.3	155.8
30°	98.8	99.7	106.4	114.8	126.5	152.4	177.6	195.2	196.0	185.9	181.8
32.5°	104.7	105.5	111.4	121.5	140.7	174.2	209.4	228.7	232.9	221.1	214.4
35°	112.2	113.1	118.9	129.8	157.5	199.3	241.2	261.3	271.4	261.3	251.3
37.5°	114.8	116.4	123.1	138.2	173.4	226.2	272.2	299.0	315.8	305.7	294.8
40°	117.3	118.1	124.8	145.7	188.5	249.6	303.2	342.6	365.2	356.0	345.9
42.5°	118.9	119.8	126.5	151.6	202.7	268.0	335.0	388.6	418.8	413.8	402.9
45°	118.9	119.8	128.2	158.3	215.3	287.3	367.7	433.9	475.8	475.8	463.2
47.5°	119.8	119.8	128.2	165.0	225.3	308.2	401.2	476.6	530.2	542.8	526.9
50°	122.3	123.1	133.2	170.0	238.7	331.7	438.1	521.0	585.5	605.6	595.5
52.5°	122.3	122.3	136.5	176.7	250.4	351.0	469.9	566.2	642.4	666.7	662.5
55°	125.6	126.5	140.7	184.3	259.7	371.9	503.4	611.4	699.4	730.4	729.6
57.5°	124.8	127.3	144.1	187.6	268.9	396.2	542.8	655.0	757.2	798.2	793.2
60°	121.5	124.8	144.1	187.6	274.7	412.9	576.3	698.6	804.9	864.4	857.7
62.5°	117.3	121.5	140.7	184.3	273.9	419.6	595.5	731.2	842.6	919.7	913.8
65°	112.2	118.9	135.7	176.7	267.2	417.1	600.6	748.0	866.1	954.9	952.4
67.5°	105.5	112.2	129.0	166.7	256.3	405.4	590.5	743.8	871.1	964.1	967.4
70°	98.0	103.9	118.9	154.1	240.4	385.3	567.1	716.1	849.3	941.5	951.5
72.5°	90.5	93.8	107.2	137.4	216.9	355.1	526.9	665.9	798.2	884.5	899.6
75°	81.2	82.9	93.8	118.9	187.6	314.1	470.7	587.2	710.3	792.4	803.3
77.5°	69.5	69.5	78.7	97.2	155.0	261.3	395.3	493.3	599.7	664.2	681.0
80°	56.1	55.3	60.3	73.7	115.6	196.8	303.2	374.4	459.0	507.6	521.0
82.5°	40.2	39.4	41.0	46.9	73.7	129.0	196.8	241.2	299.0	329.2	337.6
85°	20.9	20.9	20.9	22.6	31.0	52.8	80.4	88.8	126.5	130.7	136.5
87.5°	5.0	5.0	5.0	4.2	3.4	3.4	2.5	2.5	2.5	2.5	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):

	92°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
2.5°	68.7	68.7	68.7	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
5°	70.4	71.2	71.2	71.2	71.2	70.4	70.4	70.4	69.5	69.5	69.5
7.5°	72.9	72.9	72.9	72.0	72.0	72.0	71.2	71.2	71.2	71.2	71.2
10°	74.5	74.5	74.5	73.7	73.7	73.7	73.7	72.9	72.0	72.0	72.0
12.5°	77.1	77.1	76.2	75.4	75.4	75.4	74.5	72.9	72.0	72.0	72.0
15°	78.7	77.9	77.1	76.2	76.2	76.2	74.5	73.7	72.9	72.0	72.0
17.5°	86.3	85.4	83.8	81.2	80.4	79.6	77.9	76.2	74.5	72.9	72.9
20°	97.2	95.5	93.0	87.9	84.6	83.8	82.9	77.9	73.7	72.0	72.0
22.5°	112.2	111.4	103.9	97.2	92.1	89.6	87.1	81.2	76.2	72.9	72.0
25°	132.3	128.2	118.9	109.7	102.2	95.5	92.1	86.3	80.4	77.1	77.1
27.5°	154.1	149.9	138.2	127.3	115.6	102.2	97.2	89.6	83.8	82.9	82.9
30°	180.1	175.1	160.8	144.9	128.2	109.7	101.3	91.3	87.1	87.9	88.8
32.5°	211.1	204.4	185.1	165.8	142.4	118.9	104.7	94.6	90.5	91.3	91.3
35°	248.8	240.4	216.9	189.3	156.6	128.2	108.1	98.8	93.0	91.3	91.3
37.5°	289.8	280.6	253.0	218.6	174.2	135.7	113.1	101.3	95.5	93.0	93.0
40°	340.1	327.5	292.3	250.4	194.3	145.7	118.1	105.5	98.8	93.8	93.8
42.5°	396.2	382.8	338.4	284.8	217.8	158.3	123.1	110.6	98.8	93.8	93.8
45°	458.2	443.1	390.3	322.5	242.1	170.9	129.0	112.2	99.7	94.6	94.6
47.5°	526.9	511.8	448.1	363.5	266.4	182.6	135.7	114.8	101.3	95.5	95.5
50°	592.2	577.9	510.9	408.7	293.2	194.3	140.7	118.1	100.5	94.6	93.8
52.5°	660.9	642.4	576.3	456.5	324.2	209.4	145.7	118.9	100.5	94.6	94.6
55°	727.9	706.9	645.0	507.6	356.0	226.2	151.6	118.9	100.5	93.8	93.8
57.5°	794.0	773.1	712.0	559.5	386.1	239.6	155.8	118.9	98.8	92.1	92.1
60°	860.2	841.0	773.9	607.3	413.8	250.4	157.5	118.1	96.3	90.5	89.6
62.5°	918.8	901.3	826.7	646.6	438.1	259.7	156.6	113.9	93.8	87.1	87.1
65°	959.1	944.8	866.1	674.3	456.5	266.4	155.0	108.9	89.6	82.9	82.1
67.5°	975.0	964.1	885.3	686.8	464.9	267.2	149.9	103.0	83.8	77.1	77.9
70°	959.9	951.5	877.0	680.1	459.8	259.7	141.6	95.5	77.1	71.2	71.2
72.5°	907.1	902.9	831.7	648.3	436.4	243.7	129.0	85.4	69.5	63.7	64.5
75°	815.8	815.8	751.3	590.5	395.3	219.5	113.9	73.7	61.1	56.1	56.1
77.5°	686.0	689.3	633.2	502.6	336.7	185.9	95.5	62.0	51.1	46.9	46.9
80°	524.3	526.9	484.1	393.7	263.8	146.6	73.7	47.7	39.4	36.0	36.9
82.5°	337.6	340.1	313.3	259.7	178.4	100.5	51.1	32.7	27.6	25.1	25.1
85°	133.2	137.4	125.6	105.5	82.1	50.3	26.0	16.8	15.9	13.4	12.6
87.5°	2.5	2.5	3.4	5.0	6.7	6.7	5.0	4.2	4.2	5.0	4.2
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)