

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: P553713

Luminaire Tested: **LXS-VA1-830-U-ASW-A**

Issue Date: 7/13/2021

Test Information

Test Method: LM-79-08
Report Number: P553713
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-VA1-830-U-ASW-A
Description: LUXESCAPE OUTDOOR ARCHITECTURAL LUMINAIRE
80 CRI, 3000K LEDS AND TYPE III OPTIC, ARM MOUNT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2096 lumens
Efficiency: N/A
Efficacy: 87.3 lumens/watt
Luminous Opening: Circular (Dia: 1.62' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G1

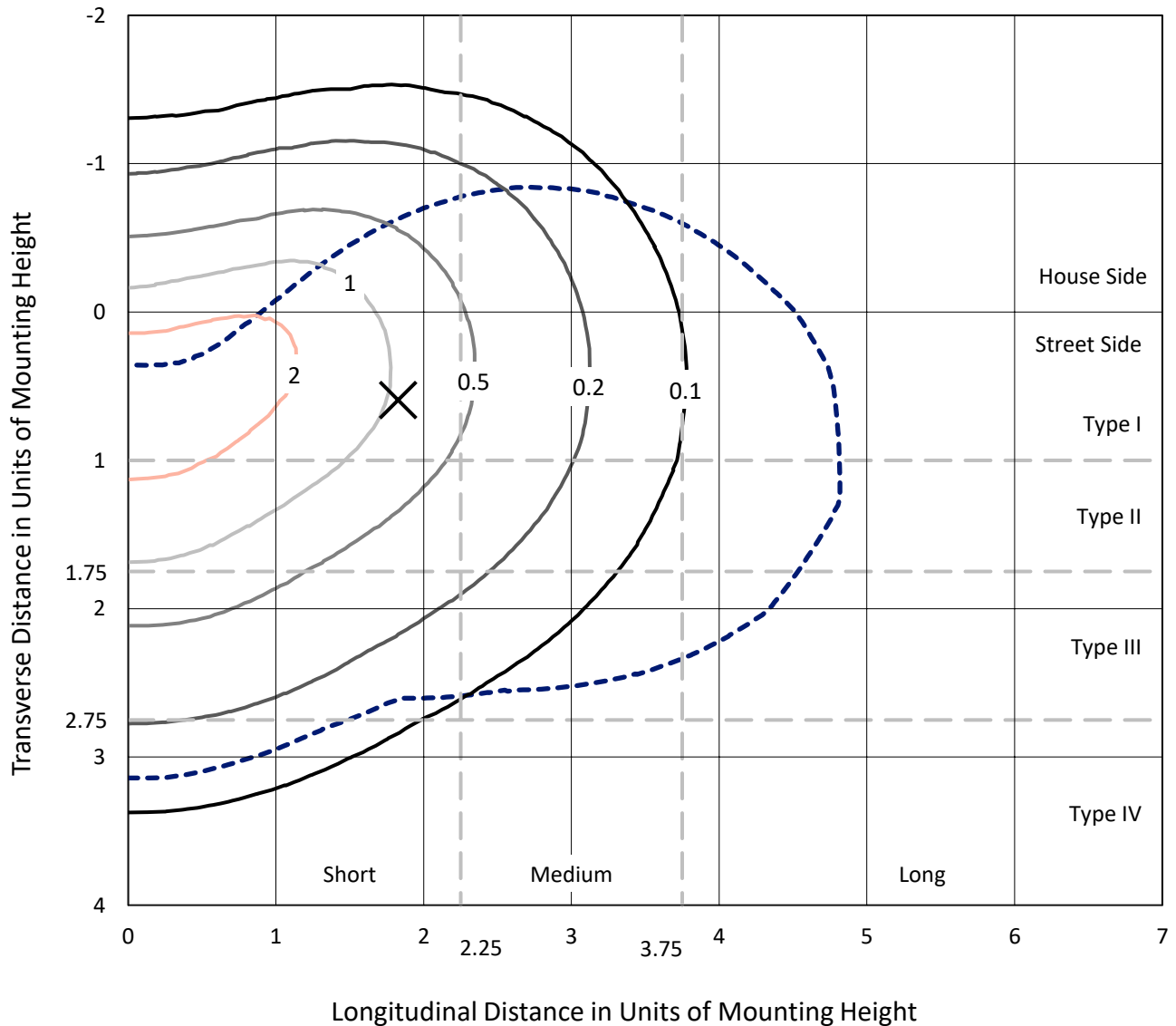
Input Watts (W): 24
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

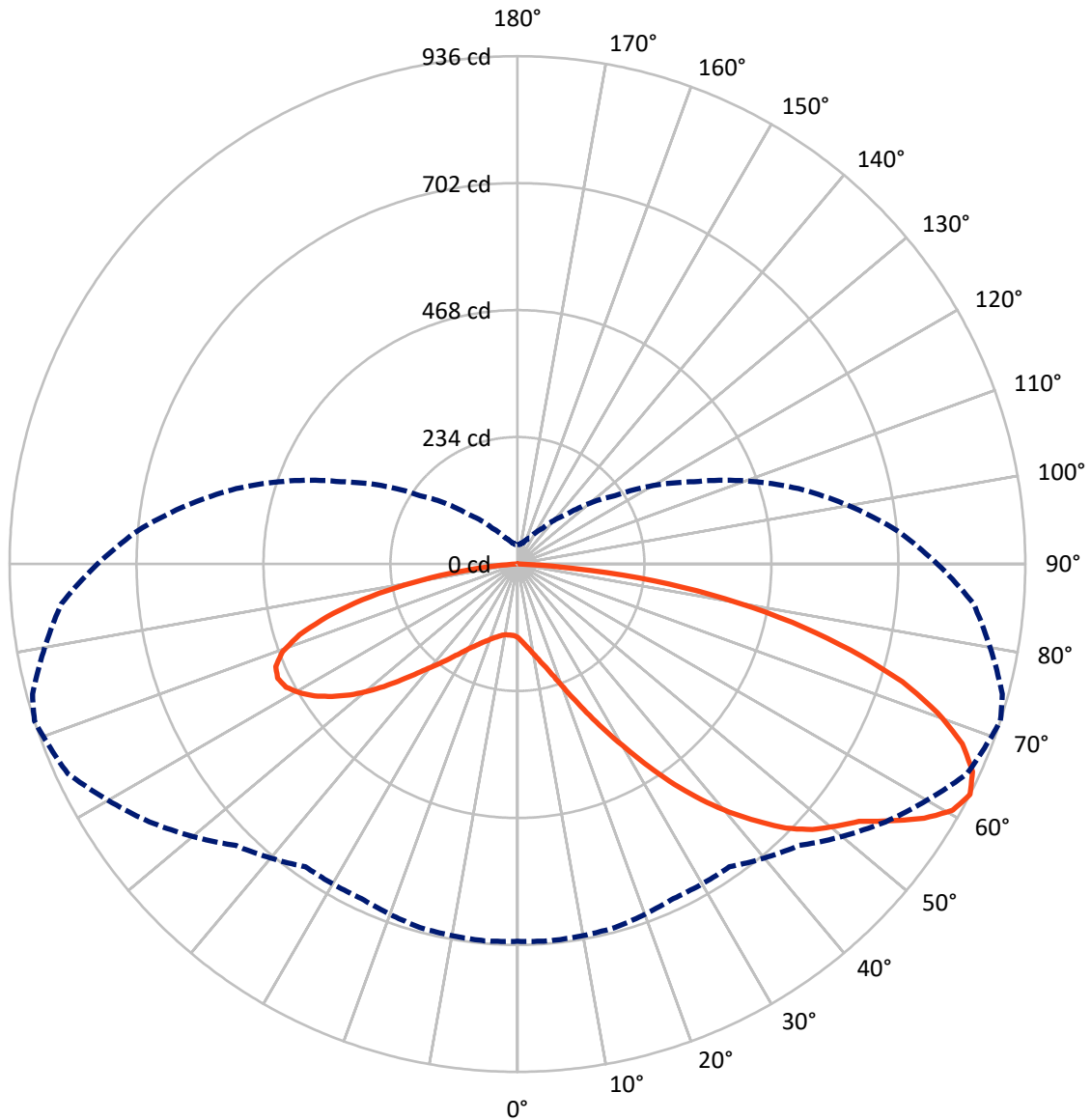
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4 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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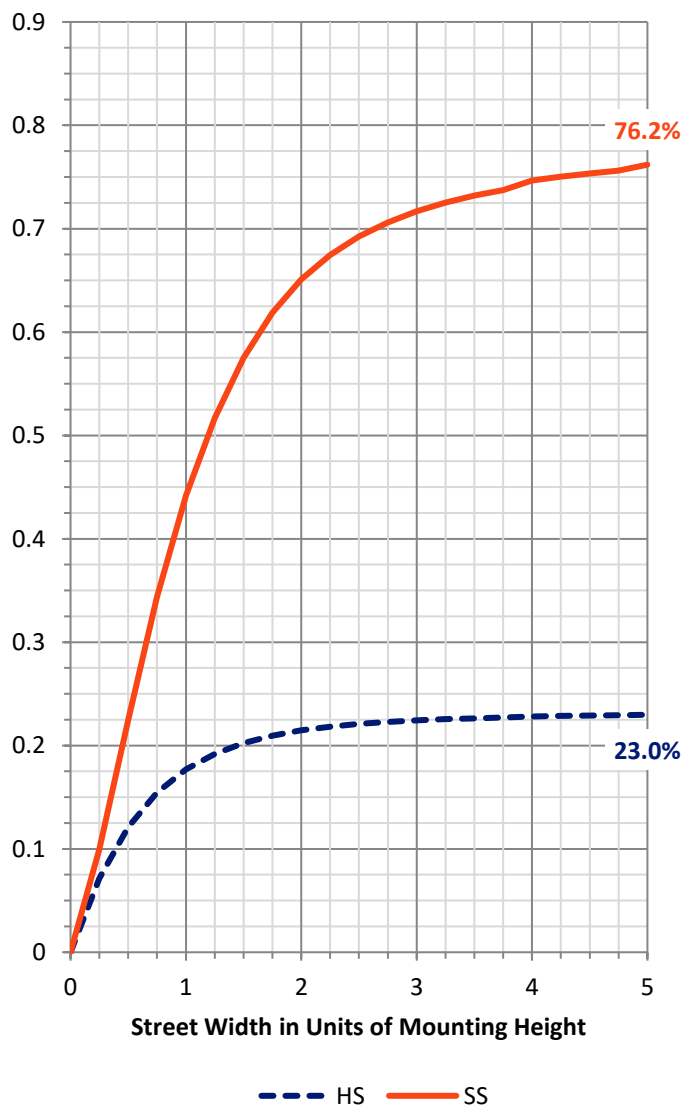
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	483.5	0.0	483.5
	% Fixture	23.1	0.0	23.1
Street Side	Lumens	1612.5	0.0	1612.5
	% Fixture	76.9	0.0	76.9
Total	Lumens	2096.0	0.0	2096.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.0	0.7
10°-20°	54.6	2.6
20°-30°	126.4	6.0
30°-40°	224.5	10.7
40°-50°	329.9	15.7
50°-60°	441.9	21.1
60°-70°	481.3	23.0
70°-80°	345.2	16.5
80°-90°	78.2	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°	2096.0	100.0
0°-180°	2096.0	100.0

Coefficient of Utilization



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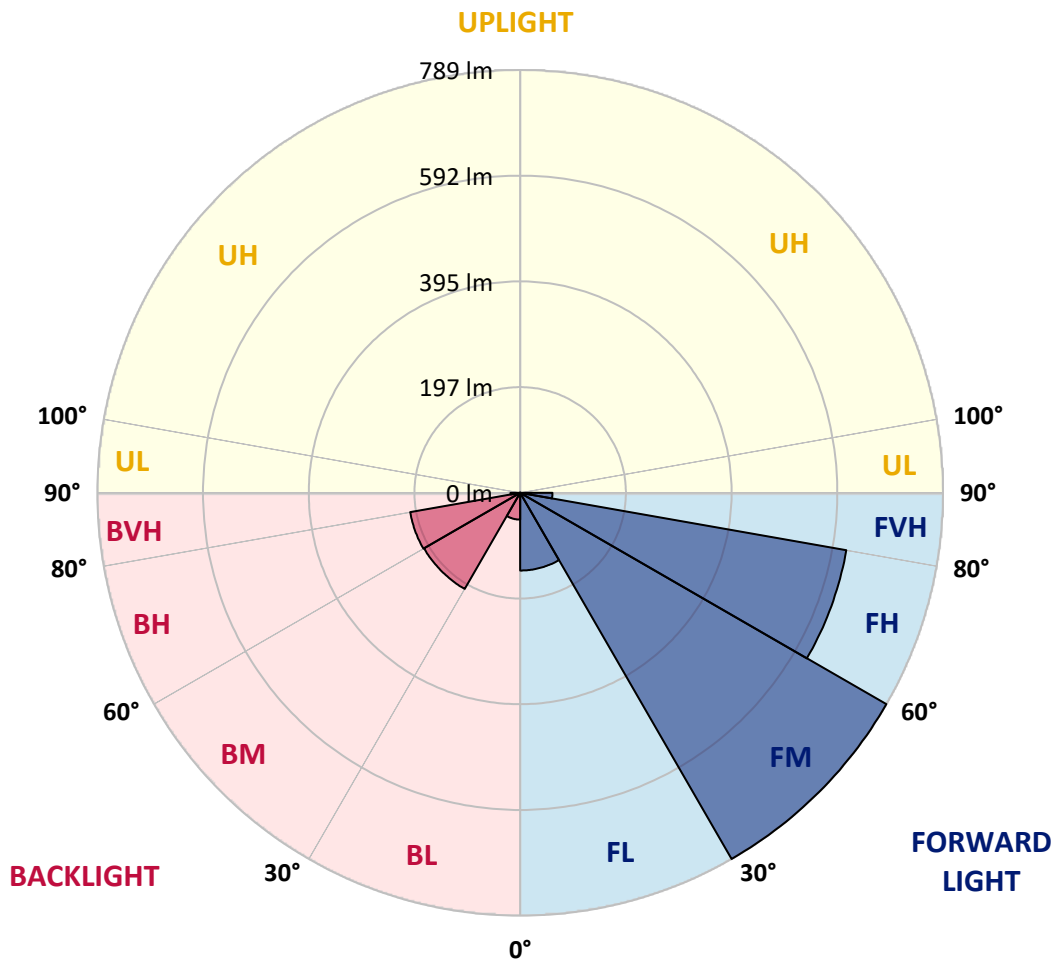
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	145.0	6.9			
FM	(30°-60°)	789.2	37.7			
FH	(60°-80°)	618.0	29.5			G0/660
FVH	(80°-90°)	60.3	2.9			G1/100
BL	(0°-30°)	50.0	2.4	B0/110		
BM	(30°-60°)	207.1	9.9	B0/220		
BH	(60°-80°)	208.4	9.9	B1/500		G1/500
BVH	(80°-90°)	17.9	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°	135.3	135.3	135.3	135.3	135.3	135.3	135.3	135.3	135.3	135.3	135.3
2.5°	153.7	153.7	153.7	152.9	151.2	148.7	147.0	143.7	142.0	141.2	138.7
5°	172.9	172.9	172.1	171.3	167.9	163.7	159.6	153.7	149.5	147.9	142.8
7.5°	195.5	195.5	193.8	190.5	186.3	180.4	172.9	164.6	158.7	156.2	147.9
10°	223.0	222.2	220.5	213.0	207.2	198.8	189.6	177.9	169.6	166.2	154.5
12.5°	256.5	257.3	253.1	245.6	235.6	222.2	208.0	193.8	182.9	177.9	162.1
15°	314.1	314.1	305.7	289.9	274.0	252.3	232.2	211.4	198.0	192.1	172.1
17.5°	434.4	428.5	413.5	370.1	330.8	295.7	265.6	235.6	218.0	208.8	183.8
20°	489.5	488.7	482.8	459.5	408.5	350.9	309.1	266.5	243.1	233.1	198.0
22.5°	505.4	504.6	500.4	492.9	471.2	409.3	356.7	304.9	273.2	260.6	217.2
25°	529.6	529.6	522.9	508.7	499.6	465.3	401.8	348.4	309.1	294.1	241.4
27.5°	545.5	545.5	544.7	536.3	517.9	504.6	450.3	394.3	349.2	331.6	272.3
30°	575.6	573.1	569.7	562.2	553.0	531.3	503.7	440.2	394.3	371.7	305.7
32.5°	657.4	651.6	625.7	595.6	583.9	564.7	550.5	487.9	445.3	420.2	345.0
35°	709.2	706.7	687.5	644.1	611.5	600.6	584.8	540.5	498.7	472.8	390.1
37.5°	725.9	724.3	710.9	683.3	644.1	629.0	618.2	590.6	551.3	527.1	439.4
40°	745.2	741.8	720.9	696.7	671.6	651.6	651.6	636.6	600.6	579.8	488.7
42.5°	734.3	736.0	722.6	697.5	683.3	670.0	680.0	677.5	647.4	631.5	537.1
45°	668.3	675.0	689.2	695.0	676.7	684.2	702.6	712.6	694.2	677.5	583.9
47.5°	667.5	665.8	677.5	679.2	681.7	695.9	720.9	742.6	731.0	718.4	628.2
50°	718.4	712.6	703.4	700.0	702.6	710.1	738.5	766.0	759.4	753.5	670.8
52.5°	751.8	745.2	715.9	708.4	714.2	731.8	769.4	796.1	787.8	784.4	711.7
55°	811.1	805.3	766.0	720.9	728.4	758.5	809.5	837.9	834.5	822.0	751.8
57.5°	784.4	786.1	773.6	729.3	735.1	768.5	838.7	880.5	883.8	867.1	790.3
60°	736.0	737.6	735.1	714.2	717.6	759.4	843.7	911.4	921.4	904.7	823.7
62.5°	695.0	696.7	693.4	680.0	680.8	733.5	827.9	913.9	935.6	924.8	843.7
65°	632.4	638.2	644.1	630.7	637.4	695.9	792.8	892.2	921.4	917.2	846.2
67.5°	568.1	572.2	583.1	579.8	589.8	648.3	745.2	849.6	883.8	883.0	826.2
70°	516.3	517.9	519.6	522.1	532.1	589.8	685.8	785.3	821.2	828.7	781.1
72.5°	462.0	462.8	458.6	455.3	466.1	526.3	614.0	701.7	741.8	748.5	709.2
75°	396.8	398.5	389.3	384.3	396.0	449.4	529.6	604.8	634.1	648.3	614.0
77.5°	335.0	329.1	320.8	312.4	323.3	369.2	436.9	497.0	517.9	526.3	500.4
80°	262.3	255.6	245.6	238.9	247.3	283.2	335.0	377.6	388.4	394.3	370.9
82.5°	180.4	174.6	164.6	157.9	165.4	191.3	226.4	248.1	254.8	257.3	231.4
85°	86.0	81.0	76.0	75.2	81.0	91.1	96.9	105.3	105.3	99.4	96.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8	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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	135.3	135.3	135.3	135.3	135.3	135.3	135.3	135.3	135.3	135.3	135.3
2.5°	137.0	135.3	132.8	131.2	128.6	127.0	126.1	125.3	124.5	123.6	123.6
5°	140.3	137.0	132.8	128.6	124.5	121.1	118.6	117.0	115.3	114.4	114.4
7.5°	144.5	140.3	133.7	127.0	121.1	117.0	112.8	110.3	108.6	107.8	107.8
10°	149.5	144.5	134.5	126.1	119.5	113.6	108.6	105.3	103.6	101.9	101.9
12.5°	156.2	149.5	137.0	127.0	118.6	111.1	105.3	101.1	98.6	96.9	96.1
15°	163.7	156.2	141.2	128.6	118.6	109.4	101.9	96.9	93.6	91.9	91.9
17.5°	173.8	164.6	146.2	131.2	118.6	107.8	99.4	93.6	89.4	87.7	87.7
20°	185.5	173.8	152.0	134.5	119.5	106.9	97.7	90.2	85.2	83.5	82.7
22.5°	199.7	186.3	158.7	138.7	120.3	106.1	95.2	86.9	81.9	78.5	78.5
25°	218.9	200.5	167.1	142.8	122.0	106.1	92.7	83.5	77.7	74.3	74.3
27.5°	243.1	218.9	177.1	147.9	124.5	105.3	91.1	80.2	73.5	70.2	69.3
30°	270.7	241.4	188.8	153.7	127.0	105.3	88.5	76.9	69.3	65.2	64.3
32.5°	303.2	268.2	203.8	161.2	129.5	105.3	86.0	72.7	65.2	60.1	60.1
35°	338.3	298.2	222.2	169.6	132.8	105.3	84.4	70.2	61.0	56.8	56.8
37.5°	380.9	333.3	243.9	177.9	136.2	105.3	82.7	67.7	58.5	55.1	54.3
40°	427.7	371.7	267.3	189.6	141.2	106.1	81.9	66.8	57.6	53.5	52.6
42.5°	473.7	414.3	294.1	203.0	147.9	109.4	82.7	66.0	56.0	51.0	51.0
45°	522.1	457.8	326.6	222.2	156.2	111.9	82.7	64.3	54.3	49.3	49.3
47.5°	565.5	500.4	363.4	243.1	163.7	114.4	81.9	62.7	52.6	47.6	47.6
50°	607.3	545.5	401.0	264.8	172.9	117.0	81.9	61.8	51.0	45.9	45.9
52.5°	646.6	586.4	436.1	287.4	182.9	121.1	82.7	60.1	49.3	45.1	44.3
55°	682.5	619.8	467.0	309.9	193.8	124.5	82.7	59.3	47.6	43.4	42.6
57.5°	717.6	650.8	495.4	330.8	203.8	127.8	82.7	57.6	45.9	40.9	40.9
60°	750.2	680.0	517.9	347.5	212.2	129.5	81.9	56.0	44.3	39.3	38.4
62.5°	773.6	702.6	536.3	358.4	219.7	130.3	80.2	53.5	40.9	35.9	35.9
65°	780.2	711.7	543.8	361.7	223.0	129.5	77.7	51.0	36.8	32.6	32.6
67.5°	764.4	700.9	537.1	359.2	218.9	124.5	72.7	46.8	31.7	29.2	29.2
70°	726.8	665.8	512.1	345.0	208.0	117.0	66.8	42.6	25.9	25.1	25.1
72.5°	662.5	606.5	467.0	317.4	190.5	105.3	59.3	36.8	20.9	20.9	21.7
75°	573.9	523.8	401.8	276.5	165.4	91.1	50.1	28.4	15.9	17.5	17.5
77.5°	466.1	421.0	322.5	224.7	133.7	73.5	39.3	20.0	11.7	13.4	13.4
80°	342.5	304.1	232.2	163.7	97.7	52.6	25.1	11.7	8.4	9.2	9.2
82.5°	209.7	182.1	137.8	99.4	56.8	28.4	12.5	5.0	4.2	5.0	5.0
85°	84.4	71.8	55.1	33.4	15.0	6.7	2.5	1.7	0.8	0.8	0.8
87.5°	0.8	0.8	0.8	0.8	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)