

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: P553686

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

Issue Date: 7/13/2021

Test Information

Test Method: LM-79-08
Report Number: P553686
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1803-687-3)
Test Lab: INNOVATION CENTER
Issue Date: 7/13/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: LXS-VA1-730-U-AST-A
Description: LUXESCAPE OUTDOOR ARCHITECTURAL LUMINAIRE
70 CRI, 3000K LEDS AND TYPE IV OPTIC, ARM MOUNT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2400 lumens
Efficiency: N/A
Efficacy: 100.0 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

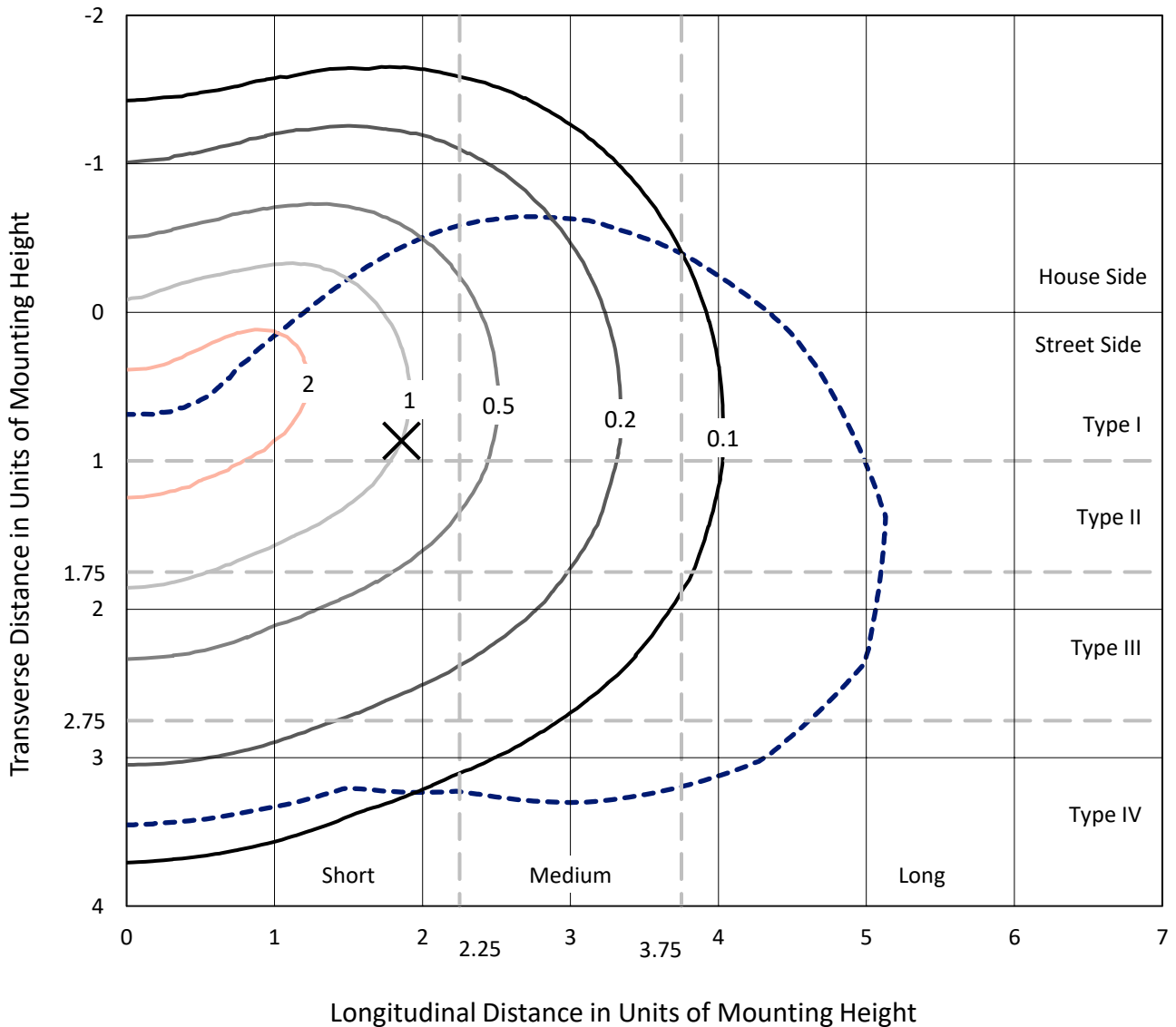


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Iso-Footcandle Lines of Horizontal Illumination

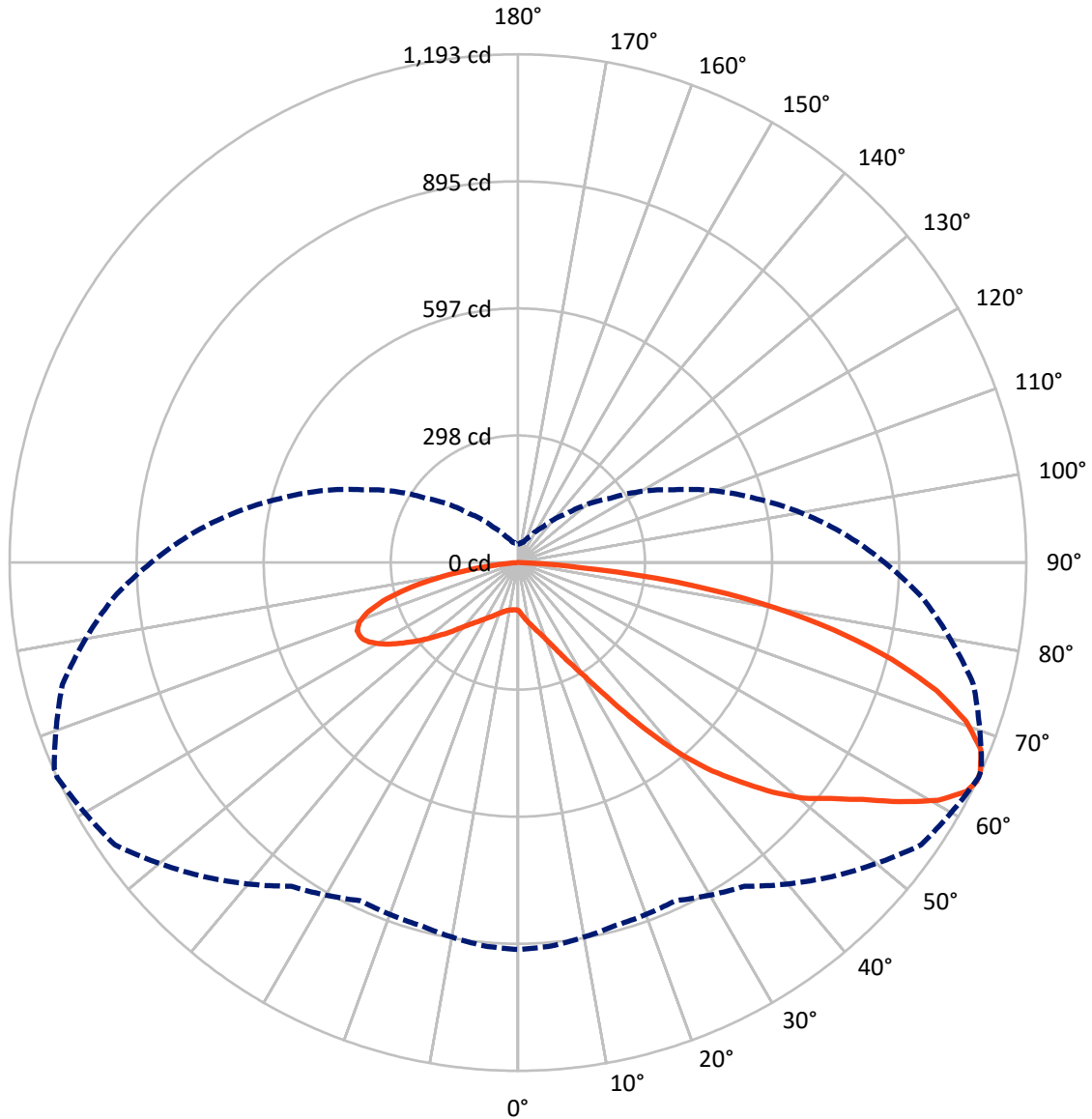
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.6 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 64-Deg Vertical

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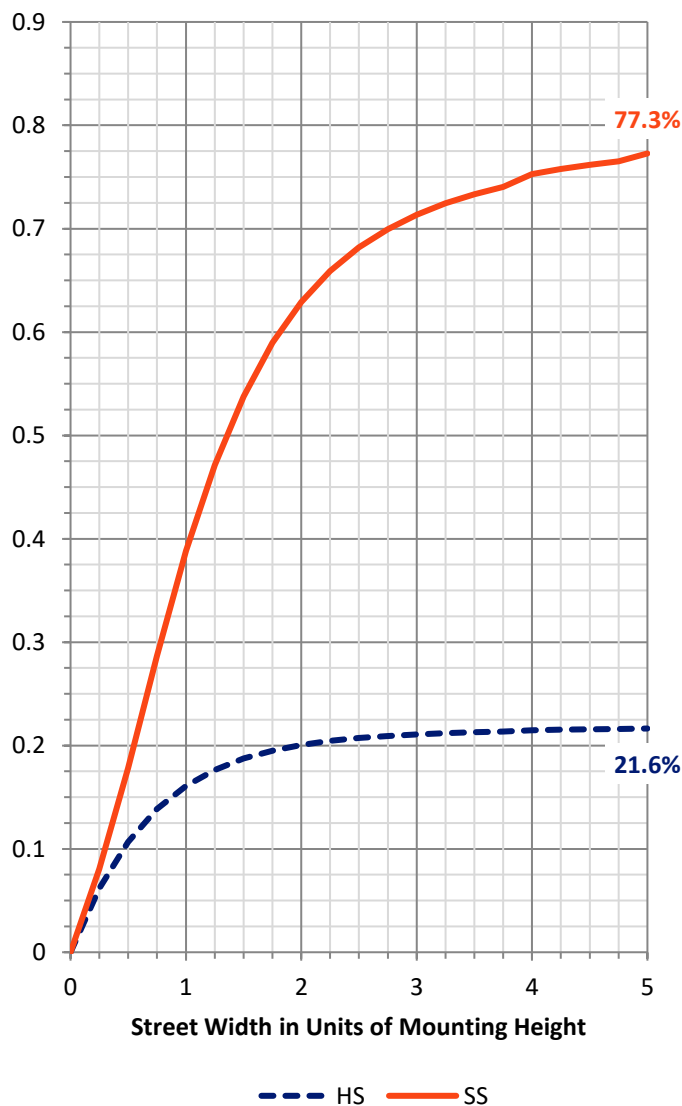
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	521.1	0.0	521.1
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	1878.9	0.0	1878.9
	% Fixture	78.3	0.0	78.3
Total	Lumens	2400.0	0.0	2400.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.6	0.5
10°-20°	40.1	1.7
20°-30°	88.9	3.7
30°-40°	197.1	8.2
40°-50°	349.5	14.6
50°-60°	510.7	21.3
60°-70°	618.0	25.7
70°-80°	476.2	19.8
80°-90°	107.8	4.5
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°	2400.0	100.0
0°-180°	2400.0	100.0

Coefficient of Utilization



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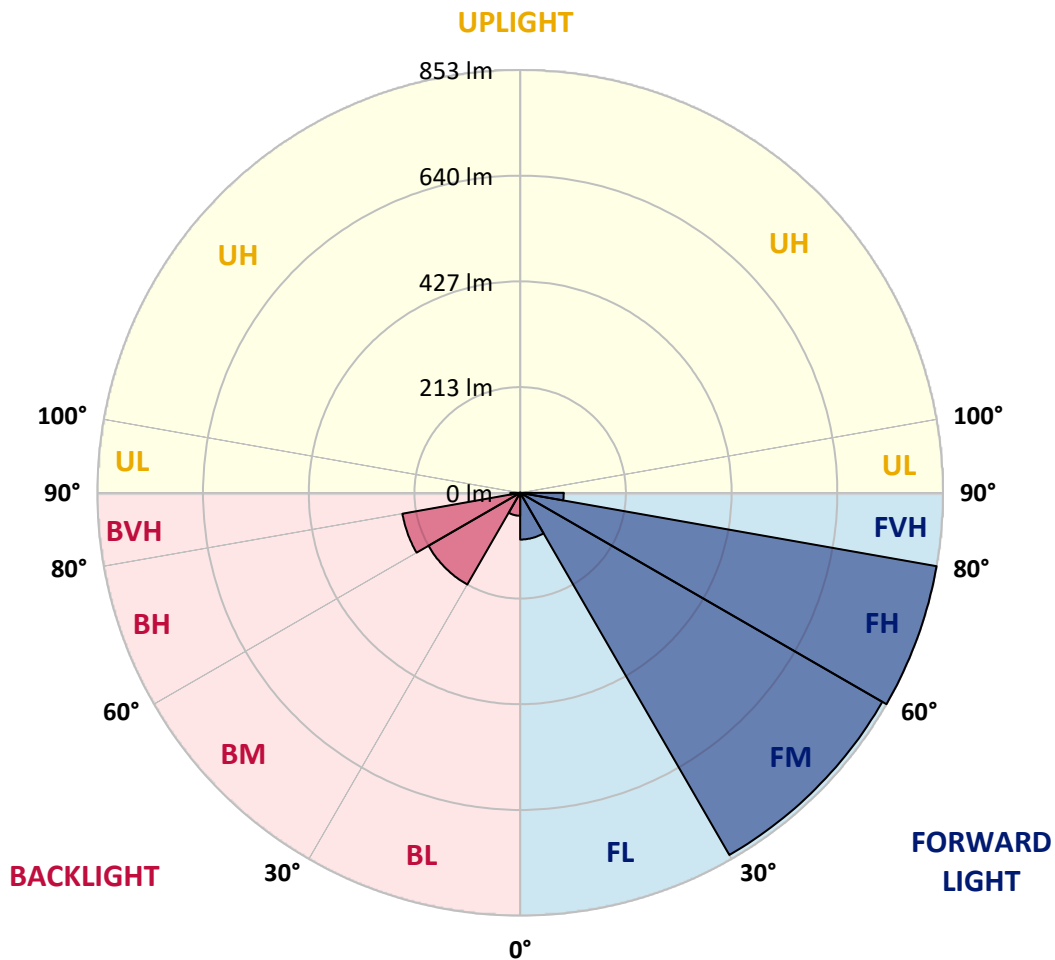
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	94.3	3.9			
FM	(30°-60°)	843.6	35.2			
FH	(60°-80°)	853.0	35.5			G1/1800
FVH	(80°-90°)	88.0	3.7			G1/100
BL	(0°-30°)	46.3	1.9	B0/110		
BM	(30°-60°)	213.7	8.9	B0/220		
BH	(60°-80°)	241.2	10.1	B1/500		G1/500
BVH	(80°-90°)	19.9	0.8			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 IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	112.0	112.0	112.0	112.0	112.0	112.0	112.0	112.0	112.0	112.0	112.0
2.5°	125.9	125.9	125.0	125.0	124.0	122.2	121.3	118.5	118.5	116.6	114.8
5°	136.1	136.1	136.1	135.1	134.2	132.4	130.5	126.8	126.8	123.1	120.3
7.5°	145.3	145.3	144.4	144.4	142.5	141.6	139.8	135.1	135.1	130.5	125.0
10°	158.3	157.4	156.4	155.5	153.7	150.9	149.0	144.4	143.5	137.9	131.4
12.5°	170.3	170.3	170.3	169.4	167.5	163.8	159.2	153.7	153.7	146.3	137.9
15°	184.2	183.3	183.3	182.4	181.4	178.6	172.2	165.7	164.8	157.4	146.3
17.5°	205.5	204.6	202.7	199.0	196.2	194.4	188.8	177.7	177.7	169.4	157.4
20°	231.4	230.5	227.7	224.0	217.5	212.0	207.3	194.4	192.5	183.3	168.5
22.5°	264.7	262.9	259.2	254.6	249.0	237.0	228.6	215.7	212.0	199.0	182.4
25°	311.0	309.2	301.8	287.9	278.6	271.2	254.6	241.6	237.9	218.5	199.0
27.5°	350.8	349.9	346.2	337.9	318.4	308.2	288.8	273.1	269.4	243.4	218.5
30°	411.0	408.2	399.0	388.8	379.5	357.3	338.8	311.0	307.3	275.8	243.4
32.5°	518.4	512.8	496.1	465.6	450.8	424.9	404.5	362.9	356.4	319.3	274.9
35°	649.8	643.3	612.8	568.3	525.8	507.2	472.1	431.3	420.2	374.0	312.9
37.5°	712.7	709.0	687.7	647.9	607.2	579.4	548.9	511.0	498.0	438.8	357.3
40°	753.5	752.5	735.0	703.5	676.6	645.2	628.5	593.3	580.4	511.0	412.8
42.5°	780.3	779.4	769.2	741.4	730.3	709.0	699.8	668.3	658.1	585.9	473.0
45°	787.7	784.9	780.3	778.5	764.6	768.3	768.3	735.0	728.5	660.0	539.6
47.5°	813.6	810.9	791.4	786.8	795.1	820.1	828.4	805.3	800.7	728.5	600.7
50°	811.8	811.8	812.7	793.3	826.6	853.4	874.7	869.2	865.5	791.4	665.5
52.5°	825.7	822.9	809.9	820.1	835.9	881.2	918.2	920.1	921.0	851.6	724.8
55°	920.1	920.1	891.4	866.4	889.5	946.9	990.4	981.2	979.3	913.6	782.2
57.5°	960.8	957.1	935.8	909.0	945.1	1016.4	1071.0	1058.9	1053.4	978.4	836.8
60°	945.1	939.5	928.4	916.4	962.7	1047.8	1128.4	1133.0	1128.4	1037.6	889.5
62.5°	932.1	927.5	900.6	900.6	946.9	1052.5	1153.3	1182.0	1177.4	1085.8	934.0
64°	908.1	903.4	882.1	875.7	927.5	1042.3	1155.2	1193.1	1191.3	1107.1	953.4
65°	876.6	875.7	863.6	855.3	912.7	1031.2	1149.6	1192.2	1192.2	1115.4	959.9
67.5°	794.2	789.6	803.5	801.6	868.2	993.2	1116.3	1171.9	1170.9	1111.7	958.0
70°	715.5	711.8	723.8	736.8	808.1	929.3	1057.1	1115.4	1114.5	1069.1	926.6
72.5°	636.8	641.5	644.2	659.1	723.8	843.3	967.3	1027.5	1025.6	988.6	863.6
75°	561.9	556.3	559.1	565.6	627.6	737.7	851.6	906.2	905.3	873.8	764.6
77.5°	466.5	463.7	464.7	463.7	523.0	615.5	709.0	756.2	755.3	725.7	629.4
80°	364.7	358.2	359.1	354.5	404.5	475.8	545.2	578.5	573.0	549.8	468.4
82.5°	252.7	245.3	243.4	237.9	277.7	323.0	361.0	374.0	367.5	346.2	286.0
85°	109.2	99.0	112.9	112.9	125.0	136.1	144.4	141.6	137.9	128.7	96.3
87.5°	0.0	0.0	0.0	0.0	0.9	0.0	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°	112.0	112.0	112.0	112.0	112.0	112.0	112.0	112.0	112.0	112.0	112.0
2.5°	114.8	113.9	112.0	111.1	110.2	109.2	108.3	107.4	107.4	107.4	106.4
5°	118.5	116.6	113.9	111.1	109.2	106.4	104.6	102.7	101.8	100.9	100.9
7.5°	122.2	120.3	115.7	112.0	107.4	103.7	100.0	98.1	96.3	95.3	95.3
10°	127.7	125.0	118.5	112.9	106.4	101.8	97.2	94.4	92.6	92.6	91.6
12.5°	133.3	129.6	123.1	114.8	106.4	100.9	96.3	92.6	89.8	88.9	88.9
15°	141.6	137.0	127.7	117.6	108.3	100.9	94.4	88.9	86.1	84.2	84.2
17.5°	150.0	144.4	133.3	121.3	111.1	100.9	92.6	87.0	83.3	81.5	81.5
20°	160.1	153.7	139.8	125.9	113.9	100.9	91.6	85.2	80.5	78.7	78.7
22.5°	172.2	163.8	147.2	130.5	115.7	101.8	91.6	83.3	77.8	75.0	75.0
25°	186.1	175.9	155.5	137.0	118.5	103.7	90.7	80.5	75.0	72.2	72.2
27.5°	202.7	191.6	164.8	143.5	122.2	105.5	89.8	79.6	73.1	69.4	69.4
30°	222.2	208.3	176.8	150.9	126.8	106.4	90.7	78.7	71.3	67.6	66.6
32.5°	248.1	229.6	190.7	159.2	132.4	108.3	90.7	76.8	69.4	65.7	65.7
35°	279.5	255.5	207.3	168.5	137.0	111.1	90.7	76.8	67.6	63.9	62.9
37.5°	318.4	286.0	227.7	179.6	143.5	113.9	90.7	75.9	65.7	62.0	61.1
40°	364.7	323.0	249.9	192.5	150.0	116.6	92.6	75.0	65.7	61.1	61.1
42.5°	416.5	367.5	277.7	209.2	159.2	121.3	93.5	75.0	64.8	59.2	59.2
45°	473.0	416.5	310.1	229.6	170.3	125.9	94.4	75.9	62.9	58.3	57.4
47.5°	535.0	468.4	346.2	249.9	180.5	131.4	96.3	75.0	62.0	57.4	56.5
50°	592.4	523.0	386.0	273.1	192.5	136.1	98.1	74.1	61.1	56.5	55.5
52.5°	647.9	575.7	426.7	298.1	205.5	142.5	100.0	74.1	60.2	54.6	53.7
55°	700.7	624.8	466.5	324.0	220.3	149.0	101.8	74.1	59.2	53.7	52.8
57.5°	748.8	671.1	503.5	350.8	236.0	155.5	102.7	73.1	58.3	51.8	50.9
60°	798.8	716.4	536.9	375.8	250.8	161.1	103.7	72.2	55.5	50.0	49.1
62.5°	841.4	754.4	565.6	396.2	259.2	162.9	102.7	69.4	52.8	46.3	45.4
64°	860.8	769.2	579.4	404.5	262.9	162.9	101.8	67.6	50.0	44.4	43.5
65°	868.2	776.6	585.0	408.2	264.7	162.9	100.0	66.6	48.1	43.5	42.6
67.5°	871.0	779.4	588.7	410.1	262.9	159.2	95.3	62.0	40.7	38.9	38.0
70°	845.1	756.2	571.1	397.1	251.8	150.0	88.9	55.5	34.2	32.4	33.3
72.5°	786.8	704.4	533.2	367.5	231.4	136.1	78.7	48.1	28.7	27.8	28.7
75°	692.4	618.3	467.4	320.3	200.9	117.6	66.6	38.0	22.2	23.1	24.1
77.5°	573.9	510.0	378.6	257.3	159.2	91.6	50.9	25.9	16.7	18.5	18.5
80°	420.2	370.3	271.2	179.6	110.2	61.1	31.5	15.7	11.1	13.0	13.0
82.5°	250.8	215.7	153.7	100.0	59.2	29.6	13.9	6.5	5.6	7.4	7.4
85°	88.9	73.1	47.2	27.8	14.8	6.5	2.8	0.9	0.9	0.0	0.0
87.5°	0.9	0.0	0.0	0.0	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)