

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: P553687

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

Issue Date: 7/13/2021

Test Information

Test Method: LM-79-08
Report Number: P553687
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1803-687-10-R2)
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-C
Description: LUXESCAPE OUTDOOR ARCHITECTURAL LUMINAIRE
70 CRI, 3000K LEDS AND TYPE IV OPTIC, CANTILEVER MOUNT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2324 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

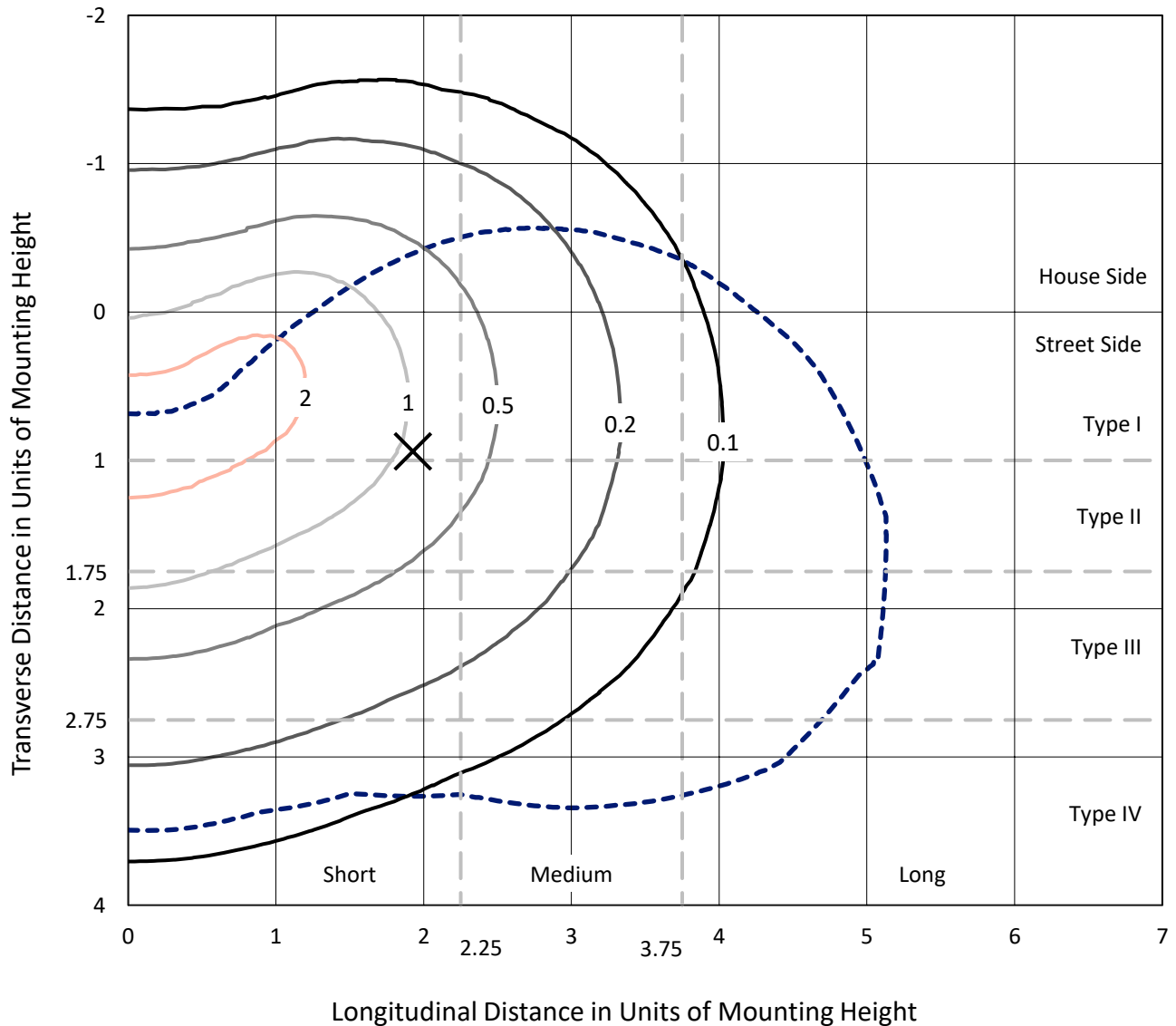
Input Watts (W): 24
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P553687
 CATALOG NUMBER: LXS-VA1-730-U-AST-C

Iso-Footcandle Lines of Horizontal Illumination

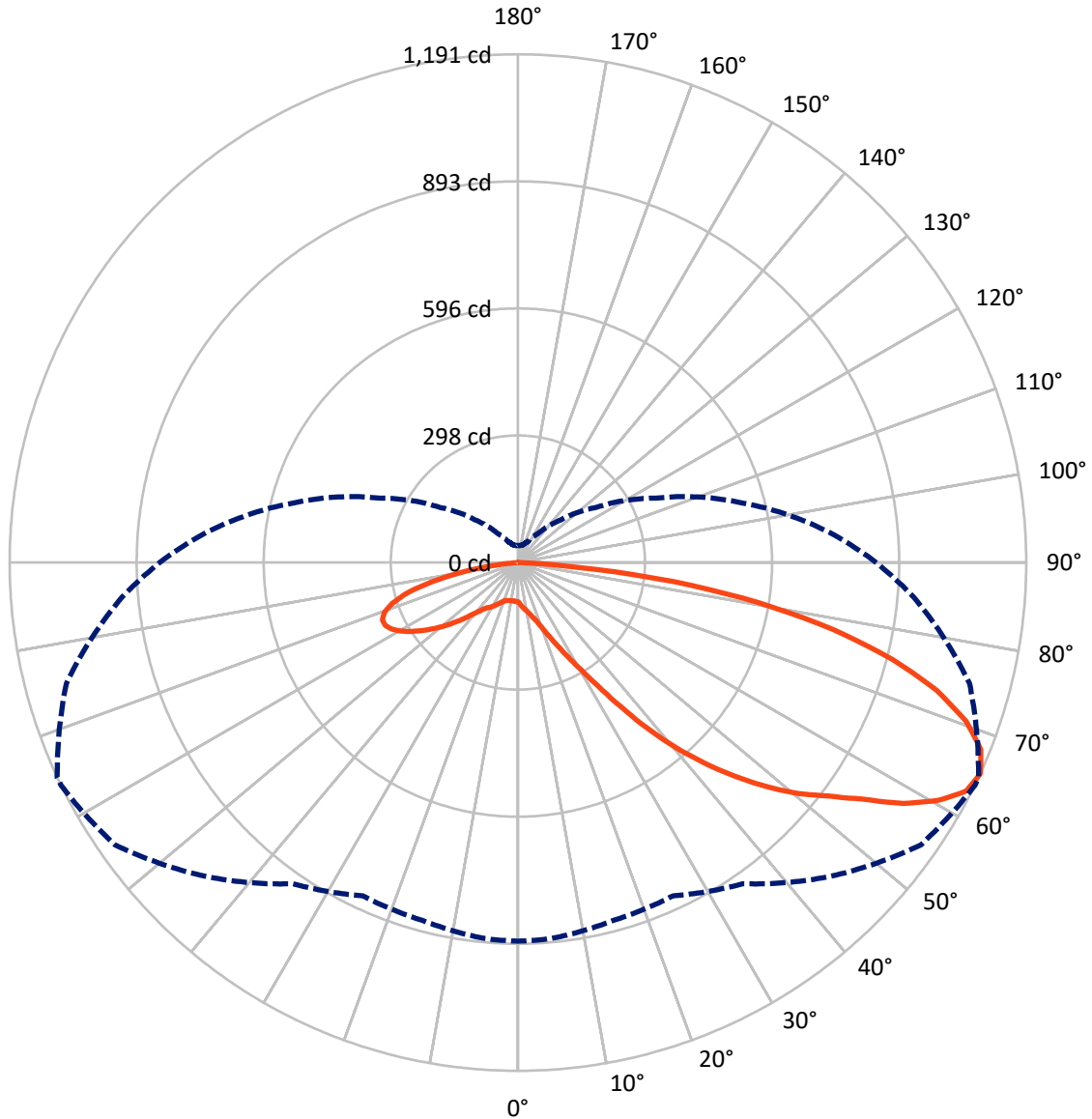
× Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P553687
CATALOG NUMBER: LXS-VA1-730-U-AST-C

Luminous Intensity Polar Plot



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

REPORT NUMBER: P553687

CATALOG NUMBER: LXS-VA1-730-U-AST-C

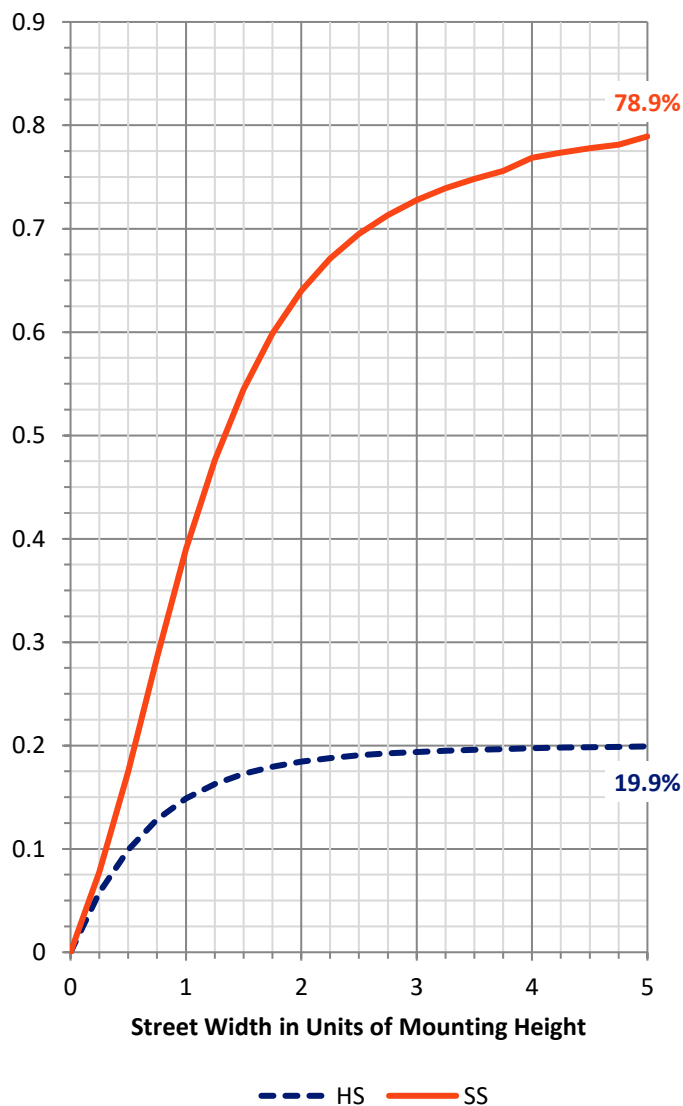
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	464.9	0.0	464.9
	% Fixture	20.0	0.0	20.0
Street Side	Lumens	1859.1	0.0	1859.1
	% Fixture	80.0	0.0	80.0
Total	Lumens	2324.0	0.0	2324.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.5	0.4
10°-20°	33.3	1.4
20°-30°	78.6	3.4
30°-40°	185.7	8.0
40°-50°	337.3	14.5
50°-60°	497.7	21.4
60°-70°	604.7	26.0
70°-80°	469.2	20.2
80°-90°	108.0	4.6
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°	2324.0	100.0
0°-180°	2324.0	100.0

Coefficient of Utilization



REPORT NUMBER: P553687

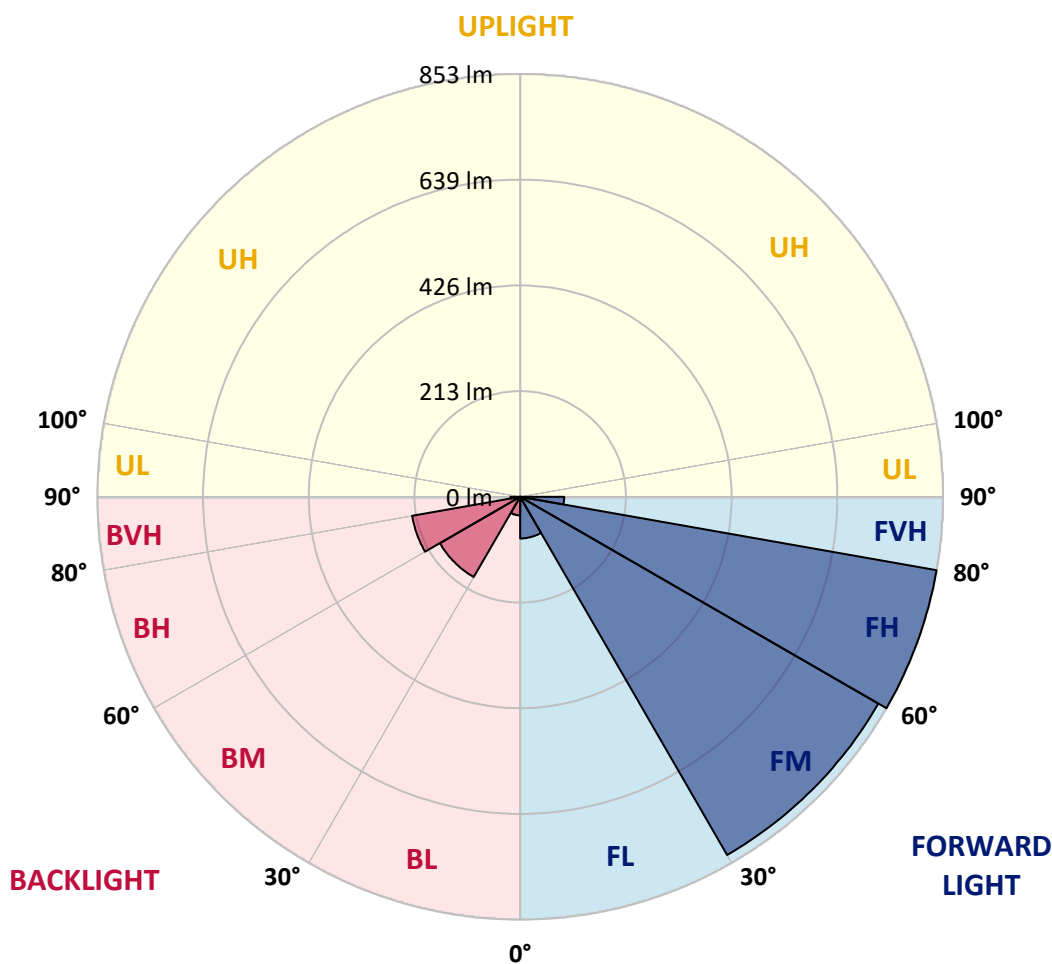
CATALOG NUMBER: LXS-VA1-730-U-AST-C

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	84.0	3.6			
FM (30°-60°)	833.9	35.9			
FH (60°-80°)	852.6	36.7			G1/1800
FVH (80°-90°)	88.7	3.8			G1/100
BL (0°-30°)	37.4	1.6	B0/110		
BM (30°-60°)	186.9	8.0	B0/220		
BH (60°-80°)	221.3	9.5	B1/500		G1/500
BVH (80°-90°)	19.3	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





REPORT NUMBER: P553687

CATALOG NUMBER: LXS-VA1-730-U-AST-C

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
2.5°	102.8	103.7	102.8	102.8	101.9	101.0	99.1	97.3	97.3	96.3	94.5
5°	112.1	113.0	112.1	111.1	110.2	108.4	105.6	103.7	103.7	100.0	97.3
7.5°	121.3	121.3	121.3	119.5	117.6	115.8	112.1	109.3	109.3	105.6	101.0
10°	133.4	133.4	133.4	130.6	126.9	124.1	119.5	115.8	115.8	110.2	104.7
12.5°	147.3	148.2	146.3	144.5	140.8	135.2	128.7	124.1	124.1	117.6	109.3
15°	161.2	162.1	159.3	158.4	155.6	149.1	139.9	133.4	132.5	125.0	114.9
17.5°	182.5	183.4	180.6	176.9	171.4	166.7	155.6	145.4	144.5	134.3	121.3
20°	210.3	211.2	208.4	203.8	194.5	188.0	177.8	163.9	163.0	148.2	132.5
22.5°	243.6	245.4	239.9	232.5	225.1	214.9	201.9	188.0	186.2	166.7	147.3
25°	293.6	296.4	283.4	269.5	257.5	251.0	231.6	215.8	214.9	185.2	163.9
27.5°	341.8	340.9	332.5	321.4	297.3	288.1	268.6	250.1	251.0	212.1	183.4
30°	411.2	410.3	392.7	379.8	364.0	335.3	320.5	291.8	291.8	249.2	210.3
32.5°	515.0	514.1	493.7	459.4	437.2	403.8	381.6	344.6	343.6	294.5	243.6
35°	648.4	645.6	612.2	565.9	518.7	494.6	450.1	414.0	410.3	348.3	286.2
37.5°	715.0	712.3	688.2	649.3	603.9	568.7	527.0	492.8	488.1	412.2	332.5
40°	755.8	755.8	738.2	705.8	676.1	636.3	609.5	570.6	564.1	484.4	387.2
42.5°	783.6	783.6	772.5	747.5	731.7	705.8	684.5	643.7	638.2	557.6	448.3
45°	791.9	791.0	784.5	781.7	767.8	770.6	754.9	715.0	709.5	629.8	513.1
47.5°	816.9	816.9	794.7	791.0	798.4	822.5	818.8	785.4	780.8	697.4	578.9
50°	816.0	816.9	816.9	797.5	829.0	856.8	872.5	850.3	847.5	762.3	642.8
52.5°	828.0	827.1	814.2	825.3	840.1	882.7	917.9	908.6	905.8	822.5	702.1
55°	929.0	919.7	892.9	872.5	892.9	953.1	992.9	978.1	970.7	884.5	756.7
57.5°	966.1	961.4	941.0	915.1	949.4	1020.7	1075.3	1065.2	1052.2	949.4	810.4
60°	949.4	946.6	935.5	920.7	967.0	1051.3	1130.9	1131.8	1127.2	1011.4	864.2
62.5°	938.3	933.6	904.0	905.8	951.2	1057.7	1155.0	1179.1	1177.2	1063.3	904.9
65°	887.3	884.5	867.9	861.4	918.8	1039.2	1153.2	1191.1	1191.1	1095.7	930.9
67.5°	797.5	802.1	806.7	807.7	875.3	1001.2	1119.8	1169.8	1172.6	1096.7	930.9
70°	717.8	720.6	723.4	743.8	810.4	939.2	1059.6	1114.2	1118.9	1059.6	903.1
72.5°	644.7	648.4	643.7	666.9	727.1	852.1	970.7	1026.3	1033.7	981.8	844.7
75°	560.4	561.3	559.4	569.6	628.9	745.6	854.9	906.8	910.5	873.4	753.0
77.5°	465.0	469.6	463.1	469.6	525.2	620.6	718.8	755.8	765.1	725.2	624.3
80°	361.2	364.0	354.7	359.4	398.3	482.6	553.9	574.3	583.5	545.5	466.8
82.5°	247.3	251.9	237.1	244.5	276.9	329.7	370.5	368.6	377.0	340.9	287.1
85°	104.7	111.1	108.4	113.9	129.7	139.9	151.0	134.3	135.2	126.0	102.8
87.5°	2.8	2.8	2.8	1.9	1.9	1.9	1.9	1.9	1.9	1.9	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



REPORT NUMBER: P553687
 CATALOG NUMBER: LXS-VA1-730-U-AST-C

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
2.5°	93.5	93.5	92.6	91.7	90.8	89.8	88.9	88.9	88.0	88.0	88.0
5°	96.3	95.4	92.6	90.8	88.9	87.1	86.1	84.3	84.3	83.4	83.4
7.5°	99.1	97.3	94.5	90.8	88.0	85.2	82.4	80.6	79.7	79.7	79.7
10°	101.9	100.0	95.4	91.7	87.1	83.4	80.6	78.7	77.8	77.8	76.9
12.5°	106.5	102.8	97.3	91.7	86.1	82.4	79.7	76.9	76.0	75.0	74.1
15°	110.2	106.5	100.0	92.6	86.1	81.5	77.8	74.1	72.2	71.3	71.3
17.5°	115.8	111.1	102.8	93.5	87.1	80.6	76.0	72.2	70.4	69.5	69.5
20°	125.0	119.5	107.4	96.3	88.9	80.6	75.0	71.3	68.5	66.7	66.7
22.5°	137.1	129.7	114.9	101.0	90.8	81.5	75.0	69.5	65.8	64.8	63.9
25°	151.0	140.8	122.3	106.5	92.6	82.4	74.1	67.6	63.9	63.0	62.1
27.5°	164.9	153.8	130.6	113.0	96.3	83.4	74.1	66.7	63.0	61.1	60.2
30°	188.0	169.5	139.9	119.5	100.0	85.2	74.1	65.8	61.1	59.3	59.3
32.5°	213.0	191.7	151.0	126.0	104.7	87.1	74.1	64.8	60.2	58.4	57.4
35°	249.2	217.7	167.6	130.6	109.3	88.9	74.1	64.8	59.3	56.5	56.5
37.5°	289.9	254.7	186.2	140.8	113.0	90.8	74.1	63.9	57.4	55.6	54.6
40°	337.1	291.8	212.1	154.7	117.6	93.5	76.0	63.9	57.4	54.6	54.6
42.5°	389.0	336.2	242.7	171.4	125.0	97.3	76.9	63.9	56.5	53.7	53.7
45°	443.7	386.2	275.1	192.7	136.2	101.0	77.8	63.0	55.6	52.8	51.9
47.5°	504.8	437.2	309.4	214.0	147.3	103.7	78.7	63.0	54.6	51.9	50.9
50°	562.2	492.8	347.3	237.1	159.3	108.4	80.6	62.1	53.7	50.9	50.0
52.5°	617.8	542.8	387.2	260.3	173.2	115.8	81.5	62.1	52.8	49.1	49.1
55°	670.6	590.9	425.1	283.4	189.0	123.2	82.4	62.1	51.9	48.2	48.2
57.5°	717.8	639.1	460.3	306.6	202.8	130.6	82.4	60.2	50.0	47.2	46.3
60°	767.8	683.6	493.7	327.9	214.9	136.2	83.4	59.3	48.2	44.5	44.5
62.5°	811.4	719.7	521.5	345.5	222.3	139.9	84.3	57.4	46.3	42.6	42.6
65°	839.2	743.8	541.8	356.6	226.0	140.8	83.4	53.7	42.6	39.8	39.8
67.5°	843.8	749.3	547.4	358.4	223.2	138.0	80.6	49.1	39.8	36.1	36.1
70°	819.7	728.9	534.4	347.3	214.0	129.7	75.0	44.5	35.2	31.5	31.5
72.5°	765.1	681.7	501.1	322.3	195.4	117.6	67.6	39.8	30.6	27.8	27.8
75°	678.9	604.8	441.8	282.5	169.5	101.0	57.4	34.3	25.0	23.2	23.2
77.5°	558.5	497.4	364.0	226.0	133.4	79.7	46.3	27.8	19.5	18.5	18.5
80°	414.0	364.0	260.3	156.5	90.8	54.6	33.3	20.4	13.9	13.0	13.0
82.5°	247.3	214.0	149.1	88.9	47.2	30.6	19.5	13.0	8.3	7.4	7.4
85°	83.4	70.4	44.5	25.0	12.0	8.3	5.6	5.6	3.7	2.8	1.9
87.5°	0.9	0.9	0.9	0.9	0.9	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)