

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: P553688

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

Issue Date: 7/13/2021

Test Information

Test Method: LM-79-08
Report Number: P553688
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1803-687-17-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-S
Description: LUXESCAPE OUTDOOR ARCHITECTURAL LUMINAIRE
70 CRI, 3000K LEDS AND TYPE IV OPTIC, SPIDER MOUNT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2198 lumens
Efficiency: N/A
Efficacy: 91.6 lumens/watt
Luminous Opening: Circular (Dia: 1.62' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G1

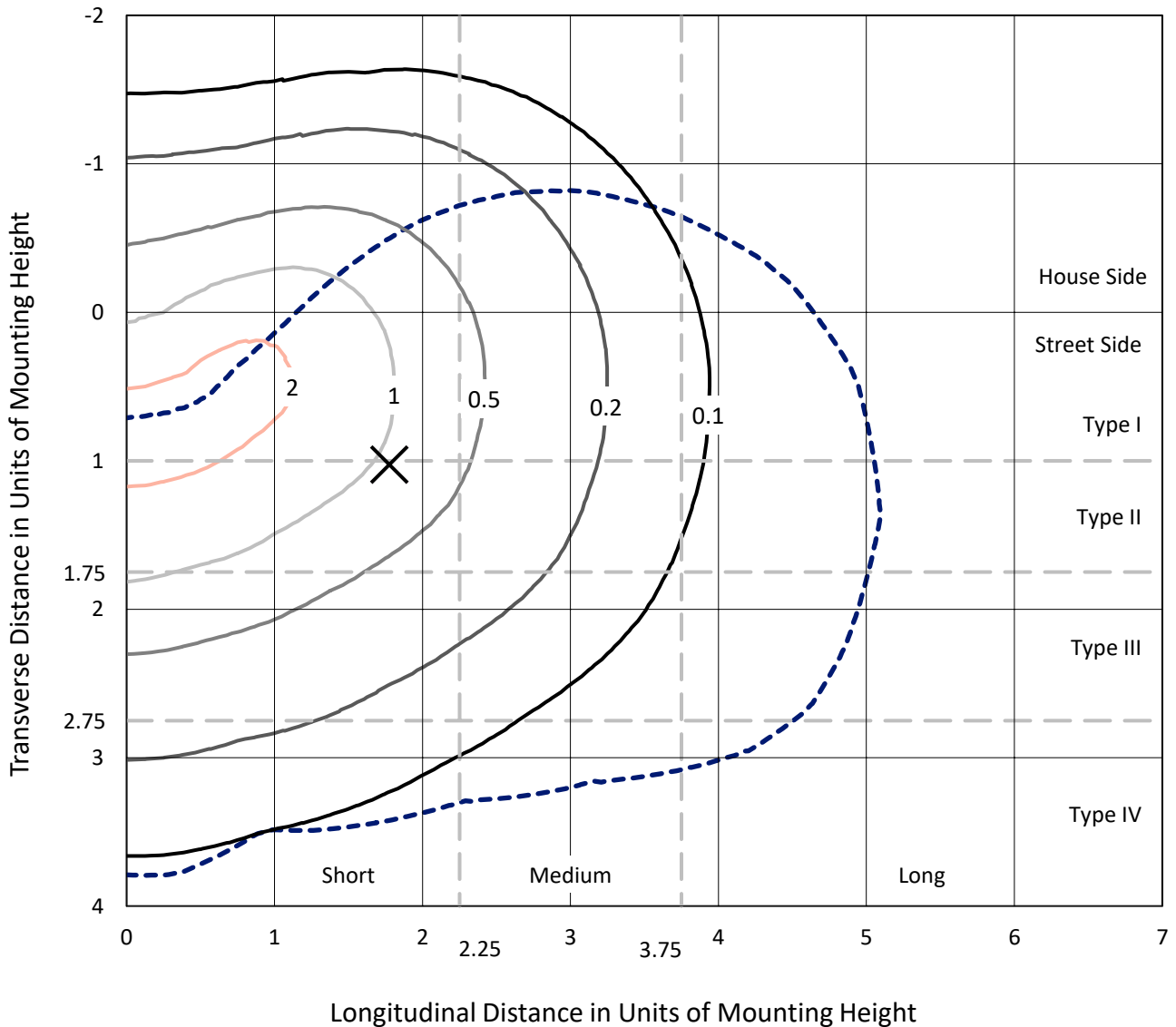
Input Watts (W): 24
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P553688
 CATALOG NUMBER: LXS-VA1-730-U-AST-S

Iso-Footcandle Lines of Horizontal Illumination

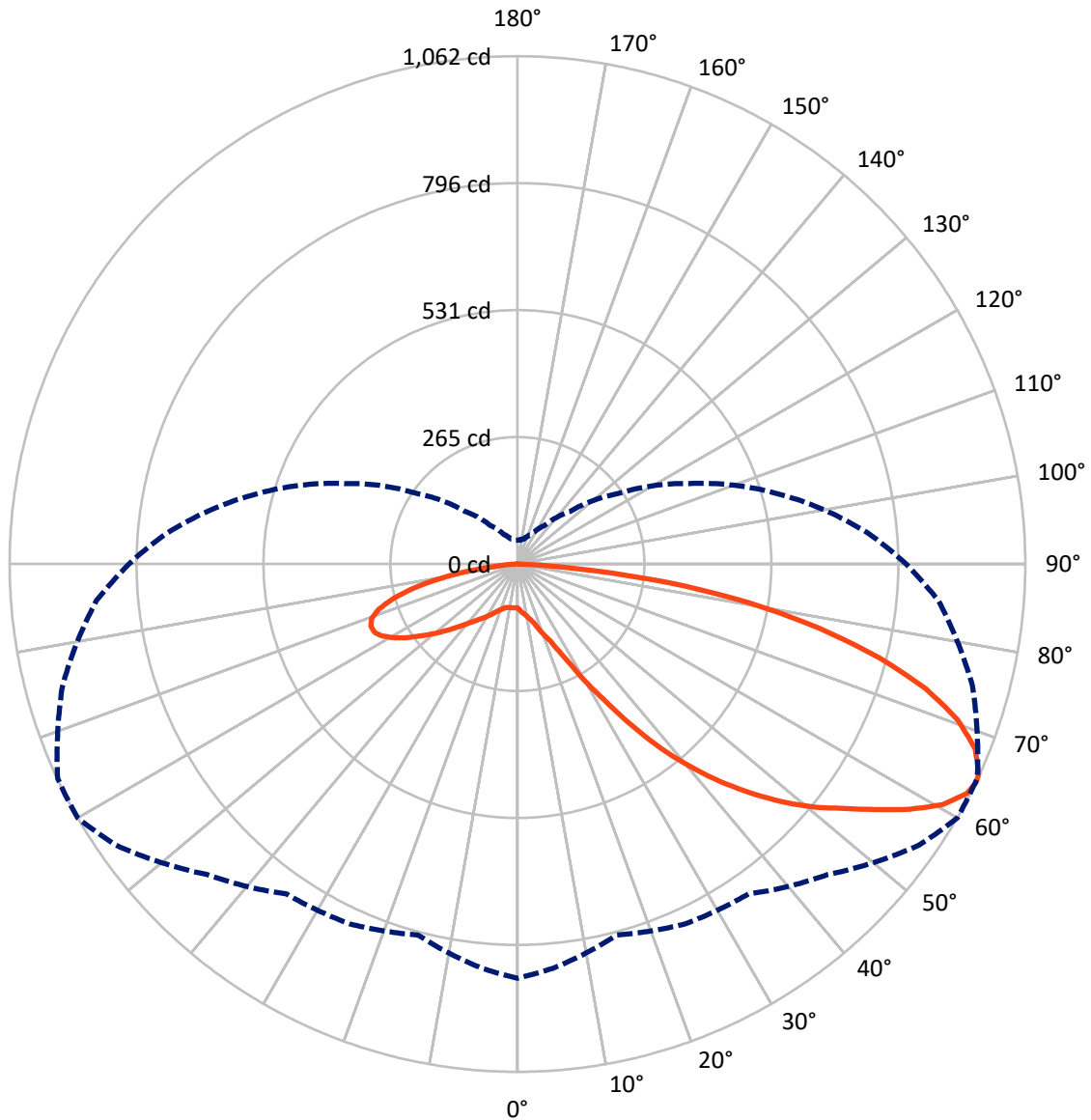
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3 fc
 Type IV - Short - N/A

REPORT NUMBER: P553688
CATALOG NUMBER: LXS-VA1-730-U-AST-S

Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 64-Deg Vertical

REPORT NUMBER: P553688

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

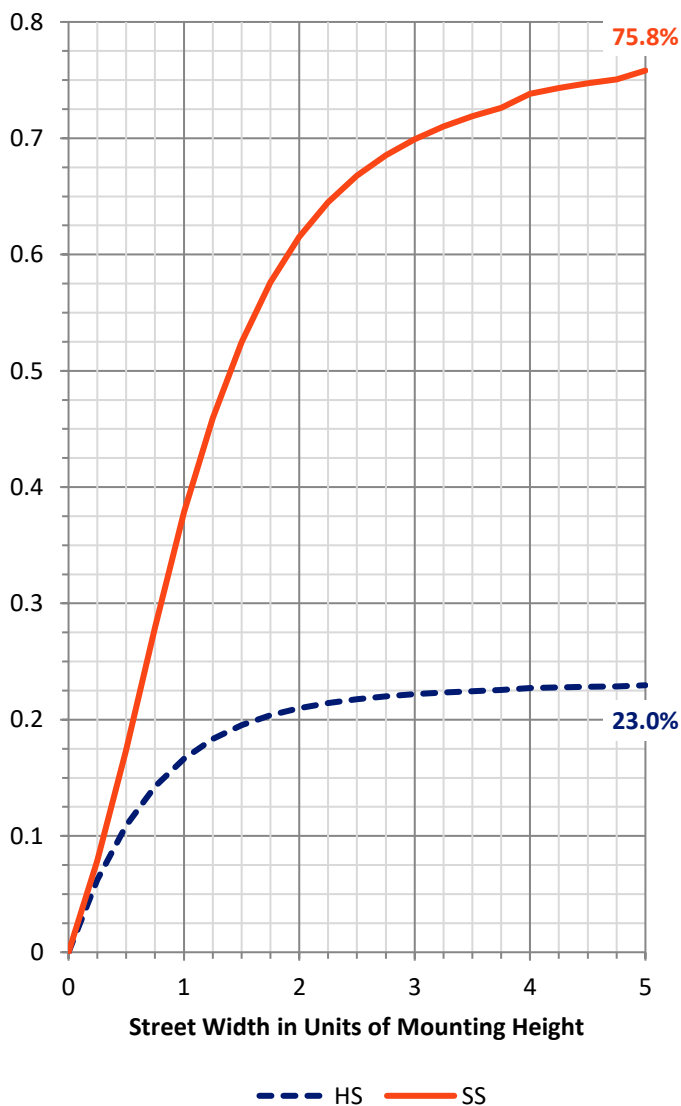
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	508.4	0.0	508.4
	% Fixture	23.1	0.0	23.1
Street Side	Lumens	1689.6	0.0	1689.6
	% Fixture	76.9	0.0	76.9
Total	Lumens	2198.0	0.0	2198.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.3	0.4
10°-20°	32.1	1.5
20°-30°	75.1	3.4
30°-40°	176.1	8.0
40°-50°	318.3	14.5
50°-60°	469.7	21.4
60°-70°	570.3	25.9
70°-80°	443.1	20.2
80°-90°	104.0	4.7
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°	2198.0	100.0
0°-180°	2198.0	100.0

Coefficient of Utilization



REPORT NUMBER: P553688

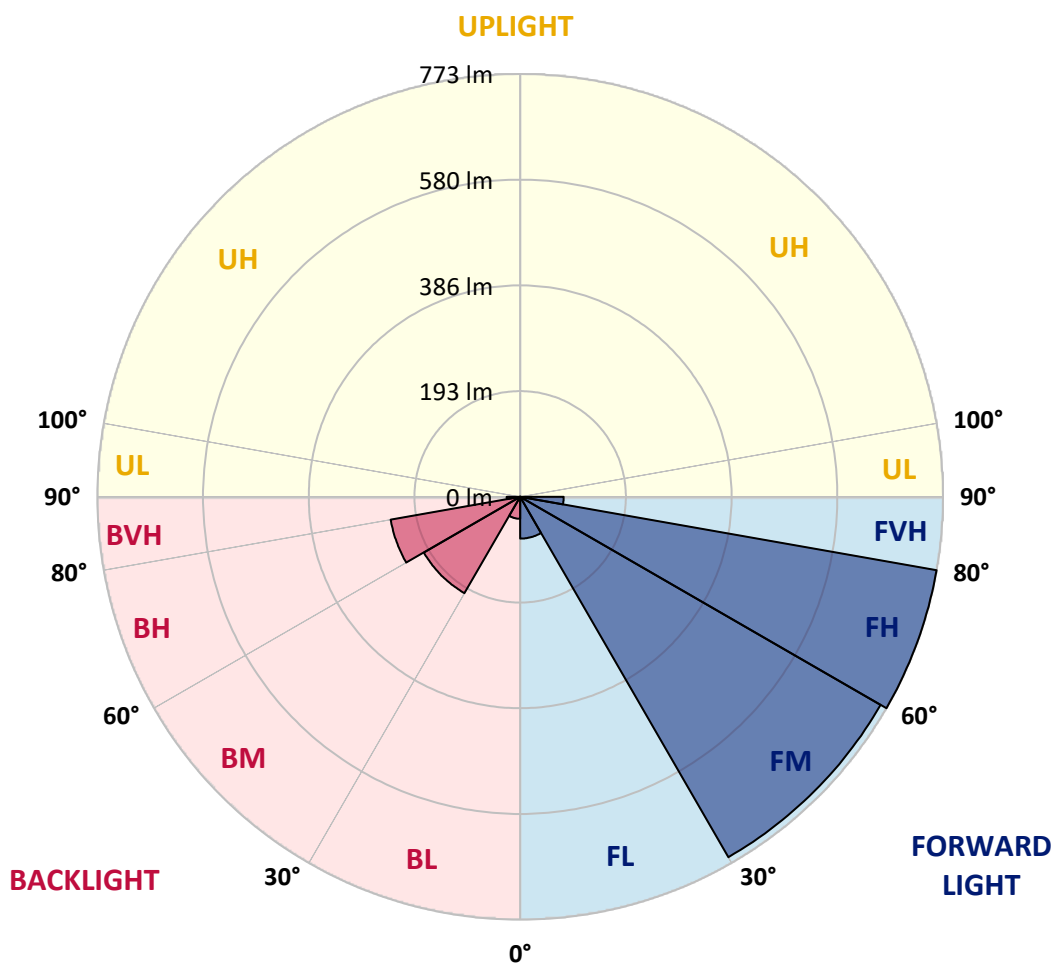
CATALOG NUMBER: LXS-VA1-730-U-AST-S

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	76.4	3.5			
FM	(30°-60°)	760.8	34.6			
FH	(60°-80°)	773.0	35.2			G1/1800
FVH	(80°-90°)	79.5	3.6			G1/100
BL	(0°-30°)	40.2	1.8	B0/110		
BM	(30°-60°)	203.4	9.3	B0/220		
BH	(60°-80°)	240.4	10.9	B1/500		G1/500
BVH	(80°-90°)	24.5	1.1			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: P553688

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

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
2.5°	100.1	100.1	100.1	99.2	99.2	98.3	96.4	96.4	95.5	94.6	93.6
5°	105.7	105.7	105.7	104.8	104.8	103.8	102.0	102.0	101.1	99.2	97.4
7.5°	110.3	111.3	110.3	110.3	109.4	108.5	106.6	105.7	104.8	102.9	100.1
10°	120.5	119.6	118.7	117.8	115.9	114.0	112.2	111.3	110.3	107.6	103.8
12.5°	129.8	128.9	128.9	127.0	125.2	122.4	119.6	118.7	117.8	114.0	109.4
15°	140.0	140.0	139.1	138.2	136.3	133.5	128.9	127.0	126.1	121.5	114.0
17.5°	157.6	157.6	155.8	154.8	152.1	150.2	144.6	141.9	138.2	132.6	124.2
20°	179.0	179.0	179.0	179.0	173.4	166.0	160.4	157.6	153.0	144.6	135.4
22.5°	204.9	204.9	204.0	205.8	202.1	186.4	177.1	173.4	168.8	160.4	149.3
25°	247.6	248.5	245.7	242.9	233.7	219.7	204.0	201.2	197.5	182.7	168.8
27.5°	282.8	283.7	289.3	288.4	271.7	257.8	246.6	239.2	234.6	208.6	190.1
30°	334.7	334.7	341.2	341.2	327.3	307.8	300.4	291.1	277.2	242.0	213.3
32.5°	426.5	424.7	431.2	406.1	394.1	371.8	363.5	347.7	325.5	283.7	243.9
35°	541.5	538.7	538.7	497.0	463.6	450.6	428.4	418.2	390.4	334.7	280.9
37.5°	601.8	601.8	610.1	570.2	541.5	518.3	499.8	490.5	464.5	396.8	324.5
40°	643.5	647.2	656.5	625.9	608.3	577.7	572.1	557.3	535.0	462.7	376.4
42.5°	674.1	677.8	688.0	668.5	658.3	635.1	635.1	621.2	605.5	528.5	433.0
45°	689.8	692.6	699.1	707.5	692.6	686.1	694.5	682.4	669.4	594.3	495.1
47.5°	722.3	724.2	709.3	719.5	720.4	731.6	746.4	741.8	730.6	654.6	555.4
50°	727.9	730.6	731.6	732.5	751.0	762.2	790.0	798.3	785.3	711.2	616.6
52.5°	752.0	745.5	731.6	762.2	759.4	784.4	828.0	848.4	834.5	766.8	673.2
55°	858.6	839.1	803.0	811.3	804.8	843.8	892.9	905.9	889.2	820.6	724.2
57.5°	897.5	879.0	847.5	854.0	856.7	900.3	961.5	967.1	954.1	874.4	774.2
60°	890.1	870.7	842.8	864.2	874.4	926.3	1008.8	1020.9	1015.3	925.4	826.1
62.5°	886.4	866.0	817.8	852.1	859.5	928.1	1026.4	1055.2	1053.3	967.1	867.9
64°	866.0	848.4	803.0	829.9	841.9	917.9	1024.6	1061.7	1060.7	984.7	883.6
65°	839.1	827.1	788.1	810.4	828.0	905.9	1018.1	1059.8	1057.9	990.3	890.1
67.5°	755.7	752.0	735.3	761.2	790.0	868.8	984.7	1032.0	1035.7	984.7	890.1
70°	685.2	681.5	664.8	701.0	731.6	810.4	930.0	976.4	981.0	945.8	863.2
72.5°	616.6	615.7	589.7	629.6	656.5	731.6	848.4	892.9	899.4	874.4	805.7
75°	537.8	539.6	514.6	540.6	567.5	634.2	737.1	780.7	786.3	771.4	715.8
77.5°	447.8	448.8	427.4	446.9	473.8	524.8	616.6	645.3	655.5	643.5	594.3
80°	347.7	350.5	330.1	343.1	361.6	402.4	472.0	491.4	492.3	483.1	444.1
82.5°	251.3	242.0	223.5	233.7	252.2	268.9	311.5	317.1	312.5	301.3	270.7
85°	115.0	105.7	106.6	117.8	118.7	109.4	121.5	115.9	114.0	102.9	94.6
87.5°	4.6	3.7	3.7	3.7	2.8	1.9	2.8	1.9	1.9	1.9	1.9
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: P553688
 CATALOG NUMBER: LXS-VA1-730-U-AST-S

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
2.5°	93.6	92.7	91.8	91.8	90.9	90.9	89.9	89.9	89.0	89.0	89.0
5°	96.4	95.5	93.6	92.7	90.9	89.9	89.0	87.2	86.2	86.2	86.2
7.5°	99.2	97.4	95.5	93.6	90.9	89.0	86.2	84.4	83.4	82.5	82.5
10°	102.0	101.1	97.4	93.6	90.9	87.2	84.4	82.5	81.6	80.7	80.7
12.5°	106.6	104.8	100.1	95.5	90.9	87.2	84.4	81.6	78.8	77.9	77.9
15°	111.3	108.5	102.9	96.4	90.9	87.2	82.5	78.8	76.0	74.2	74.2
17.5°	119.6	116.8	109.4	100.1	93.6	87.2	81.6	77.0	74.2	72.3	72.3
20°	130.7	126.1	115.9	104.8	96.4	88.1	81.6	76.0	71.4	69.5	68.6
22.5°	143.7	138.2	124.2	110.3	99.2	89.0	81.6	75.1	69.5	65.8	65.8
25°	159.5	152.1	133.5	117.8	102.9	90.9	82.5	74.2	68.6	64.9	64.9
27.5°	178.0	167.8	144.6	127.0	108.5	93.6	82.5	74.2	68.6	65.8	64.9
30°	198.4	186.4	157.6	135.4	114.0	95.5	83.4	73.2	67.7	65.8	65.8
32.5°	222.5	207.7	173.4	144.6	119.6	98.3	83.4	72.3	66.8	65.8	65.8
35°	253.1	232.7	190.1	154.8	125.2	101.1	83.4	72.3	66.8	64.0	64.0
37.5°	292.1	263.3	210.5	166.9	131.7	103.8	84.4	73.2	66.8	63.1	63.1
40°	337.5	299.5	234.6	180.8	139.1	107.6	86.2	73.2	66.8	63.1	62.1
42.5°	384.8	342.1	261.5	197.5	148.4	111.3	87.2	74.2	65.8	62.1	61.2
45°	439.5	390.4	293.0	217.0	158.6	115.9	89.0	75.1	64.9	61.2	60.3
47.5°	497.9	441.4	329.2	239.2	168.8	120.5	90.9	75.1	64.0	60.3	59.3
50°	555.4	495.1	370.9	263.3	180.8	126.1	92.7	75.1	64.0	59.3	58.4
52.5°	608.3	546.1	410.8	287.4	193.8	131.7	94.6	75.1	63.1	58.4	57.5
55°	658.3	593.4	450.6	313.4	209.6	138.2	96.4	74.2	62.1	57.5	56.6
57.5°	705.6	639.8	488.6	341.2	225.3	145.6	98.3	73.2	60.3	55.6	55.6
60°	752.9	683.4	522.9	366.2	240.1	150.2	99.2	72.3	59.3	53.8	53.8
62.5°	794.6	720.4	552.6	387.6	252.2	153.9	99.2	70.5	56.6	51.9	51.0
64°	812.2	736.2	565.6	397.8	256.8	155.8	98.3	68.6	54.7	50.1	50.1
65°	820.6	742.7	572.1	402.4	259.6	155.8	97.4	66.8	53.8	49.1	48.2
67.5°	825.2	746.4	577.7	406.1	259.6	153.0	93.6	63.1	50.1	44.5	44.5
70°	802.0	727.9	564.7	397.8	253.1	147.4	87.2	57.5	45.4	40.8	40.8
72.5°	749.2	683.4	530.4	373.7	234.6	136.3	79.7	51.9	40.8	36.2	36.2
75°	664.8	603.6	469.2	330.1	206.8	119.6	69.5	45.4	35.2	32.5	31.5
77.5°	549.8	504.4	388.5	269.8	170.6	97.4	56.6	37.1	29.7	26.9	26.9
80°	407.0	373.7	281.9	196.6	125.2	72.3	42.7	28.7	23.2	21.3	21.3
82.5°	243.9	224.4	164.1	117.8	77.0	45.4	28.7	19.5	16.7	15.8	15.8
85°	84.4	78.8	54.7	43.6	35.2	22.3	14.8	11.1	11.1	9.3	9.3
87.5°	1.9	3.7	3.7	5.6	5.6	5.6	4.6	3.7	4.6	4.6	4.6
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)