

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: P553748

Luminaire Tested: **LXS-VA2-830-U-AST-S**

Issue Date: 7/13/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P553748  
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-VA2-830-U-AST-S  
Description: LUXESCAPE OUTDOOR ARCHITECTURAL LUMINAIRE  
80 CRI, 3000K LEDS AND TYPE IV OPTIC, SPIDER MOUNT  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3806 lumens  
Efficiency: N/A  
Efficacy: 79.3 lumens/watt  
Luminous Opening: Circular (Dia: 1.62' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G2

Input Watts (W): 48  
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

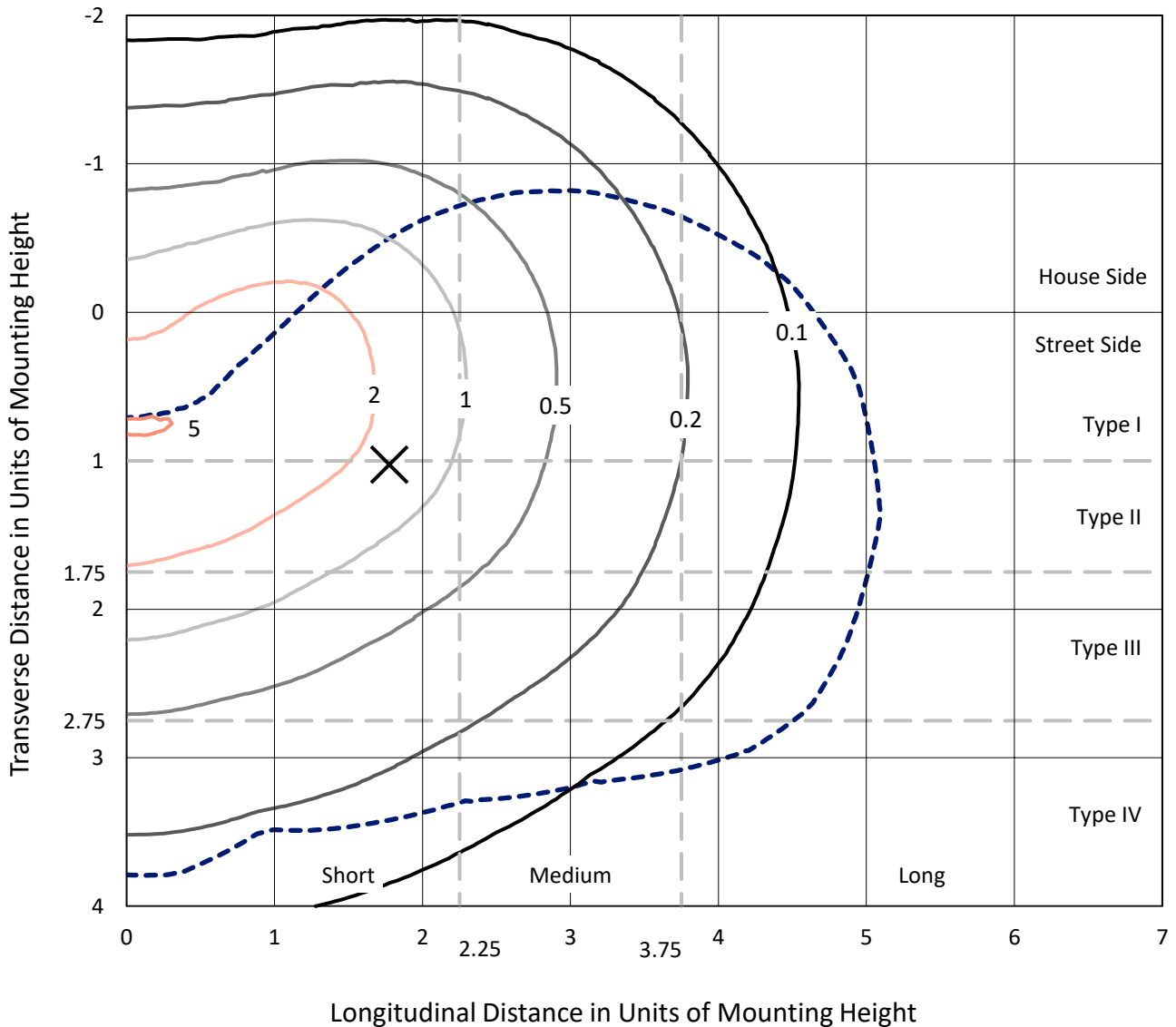


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### Iso-Footcandle Lines of Horizontal Illumination

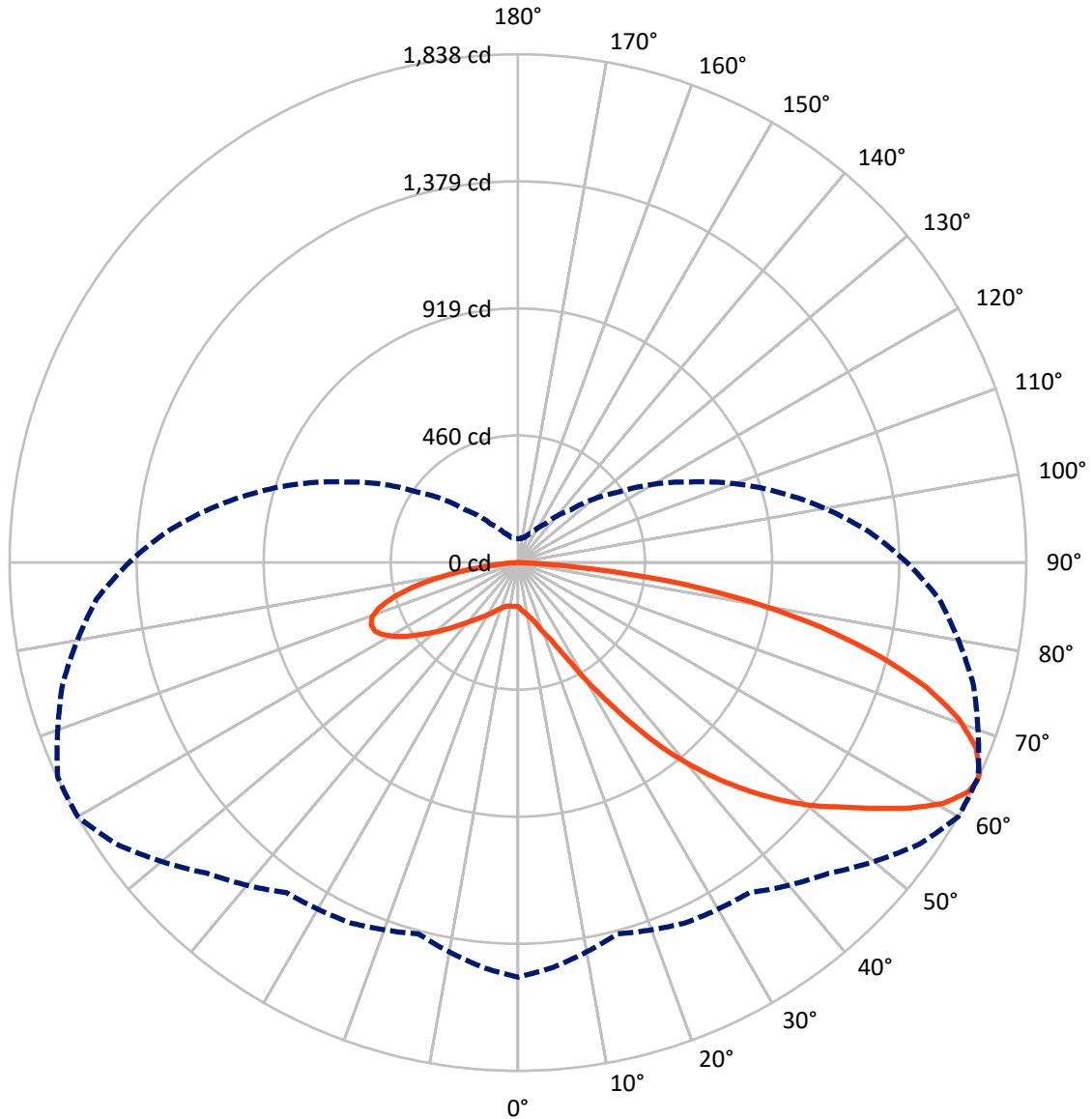
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.2 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



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

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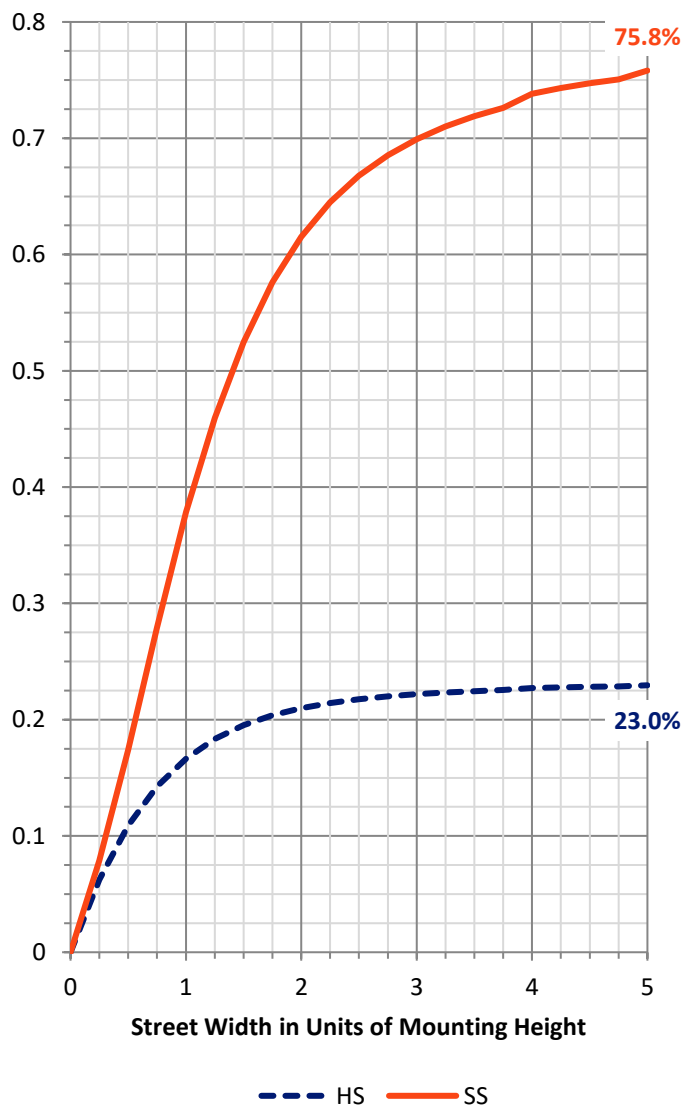
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	880.4	0.0	880.4
	% Fixture	23.1	0.0	23.1
<b>Street Side</b>	Lumens	2925.6	0.0	2925.6
	% Fixture	76.9	0.0	76.9
<b>Total</b>	Lumens	3806.0	0.0	3806.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	16.1	0.4
10°-20°	55.5	1.5
20°-30°	130.1	3.4
30°-40°	305.0	8.0
40°-50°	551.2	14.5
50°-60°	813.3	21.4
60°-70°	987.5	25.9
70°-80°	767.2	20.2
80°-90°	180.1	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°	3806.0	100.0
0°-180°	3806.0	100.0



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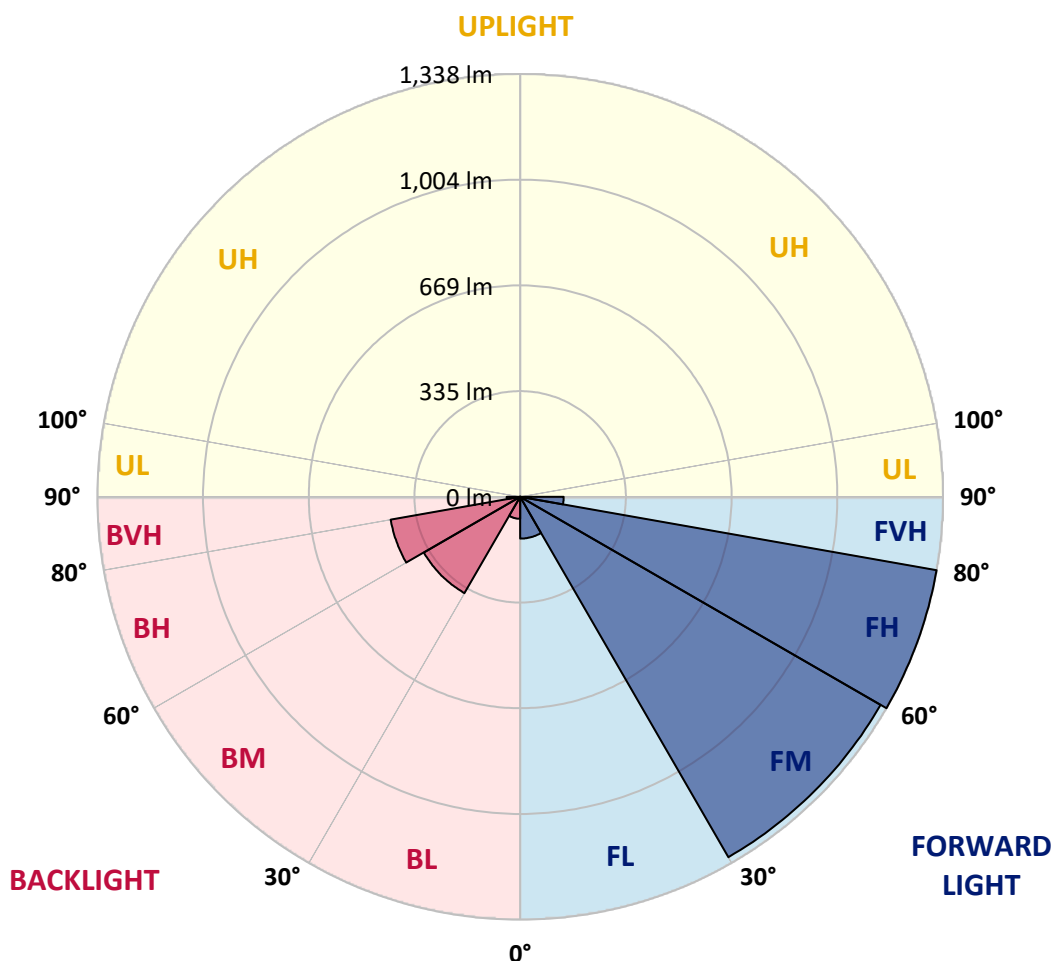
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	132.2	3.5			
FM	(30°-60°)	1317.3	34.6			
FH	(60°-80°)	1338.4	35.2			G1/1800
FVH	(80°-90°)	137.6	3.6			G2/225
BL	(0°-30°)	69.6	1.8	B0/110		
BM	(30°-60°)	352.1	9.3	B1/1000		
BH	(60°-30°)	416.2	10.9	B1/500		G1/500
BVH	(80°-90°)	42.5	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-G2**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	158.9	158.9	158.9	158.9	158.9	158.9	158.9	158.9	158.9	158.9	158.9
2.5°	173.4	173.4	173.4	171.8	171.8	170.2	167.0	167.0	165.4	163.8	162.2
5°	183.0	183.0	183.0	181.4	181.4	179.8	176.6	176.6	175.0	171.8	168.6
7.5°	191.1	192.7	191.1	191.1	189.5	187.8	184.6	183.0	181.4	178.2	173.4
10°	208.7	207.1	205.5	203.9	200.7	197.5	194.3	192.7	191.1	186.2	179.8
12.5°	224.8	223.2	223.2	220.0	216.7	211.9	207.1	205.5	203.9	197.5	189.5
15°	242.4	242.4	240.8	239.2	236.0	231.2	223.2	220.0	218.4	210.3	197.5
17.5°	272.9	272.9	269.7	268.1	263.3	260.1	250.5	245.6	239.2	229.6	215.1
20°	309.9	309.9	309.9	309.9	300.2	287.4	277.8	272.9	264.9	250.5	234.4
22.5°	354.8	354.8	353.2	356.4	350.0	322.7	306.7	300.2	292.2	277.8	258.5
25°	428.7	430.3	425.5	420.7	404.6	380.5	353.2	348.4	342.0	316.3	292.2
27.5°	489.7	491.3	500.9	499.3	470.4	446.3	427.1	414.2	406.2	361.2	329.1
30°	579.6	579.6	590.8	590.8	566.8	533.0	520.2	504.1	480.1	419.0	369.3
32.5°	738.5	735.3	746.6	703.2	682.4	643.8	629.4	602.1	563.5	491.3	422.3
35°	937.6	932.8	932.8	860.6	802.8	780.3	741.8	724.1	675.9	579.6	486.5
37.5°	1042.0	1042.0	1056.4	987.4	937.6	897.5	865.4	849.3	804.4	687.2	561.9
40°	1114.2	1120.7	1136.7	1083.7	1053.2	1000.2	990.6	964.9	926.4	801.2	651.8
42.5°	1167.2	1173.6	1191.3	1157.6	1139.9	1099.8	1099.8	1075.7	1048.4	915.2	749.8
45°	1194.5	1199.3	1210.6	1225.0	1199.3	1188.1	1202.5	1181.7	1159.2	1029.1	857.4
47.5°	1250.7	1253.9	1228.2	1245.9	1247.5	1266.8	1292.5	1284.4	1265.2	1133.5	961.7
50°	1260.3	1265.2	1266.8	1268.4	1300.5	1319.8	1367.9	1382.4	1359.9	1231.4	1067.7
52.5°	1302.1	1290.9	1266.8	1319.8	1314.9	1358.3	1433.7	1469.1	1445.0	1327.8	1165.6
55°	1486.7	1453.0	1390.4	1404.8	1393.6	1461.0	1546.1	1568.6	1539.7	1420.9	1253.9
57.5°	1554.2	1522.0	1467.5	1478.7	1483.5	1559.0	1664.9	1674.6	1652.1	1514.0	1340.6
60°	1541.3	1507.6	1459.4	1496.4	1514.0	1603.9	1746.8	1767.7	1758.1	1602.3	1430.5
62.5°	1534.9	1499.6	1416.1	1475.5	1488.3	1607.1	1777.3	1827.1	1823.9	1674.6	1502.8
64°	1499.6	1469.1	1390.4	1437.0	1457.8	1589.5	1774.1	1838.3	1836.7	1705.1	1530.1
65°	1453.0	1432.1	1364.7	1403.2	1433.7	1568.6	1762.9	1835.1	1831.9	1714.7	1541.3
67.5°	1308.5	1302.1	1273.2	1318.1	1367.9	1504.4	1705.1	1787.0	1793.4	1705.1	1541.3
70°	1186.5	1180.1	1151.2	1213.8	1266.8	1403.2	1610.4	1690.6	1698.7	1637.6	1494.8
72.5°	1067.7	1066.1	1021.1	1090.2	1136.7	1266.8	1469.1	1546.1	1557.4	1514.0	1395.2
75°	931.2	934.4	891.1	936.0	982.6	1098.2	1276.4	1351.9	1361.5	1335.8	1239.5
77.5°	775.5	777.1	740.2	773.9	820.4	908.7	1067.7	1117.5	1135.1	1114.2	1029.1
80°	602.1	606.9	571.6	594.0	626.2	696.8	817.2	850.9	852.5	836.5	769.1
82.5°	435.1	419.0	386.9	404.6	436.7	465.6	539.5	549.1	541.1	521.8	468.8
85°	199.1	183.0	184.6	203.9	205.5	189.5	210.3	200.7	197.5	178.2	163.8
87.5°	8.0	6.4	6.4	6.4	4.8	3.2	4.8	3.2	3.2	3.2	3.2
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°	158.9	158.9	158.9	158.9	158.9	158.9	158.9	158.9	158.9	158.9	158.9
2.5°	162.2	160.6	158.9	158.9	157.3	157.3	155.7	155.7	154.1	154.1	154.1
5°	167.0	165.4	162.2	160.6	157.3	155.7	154.1	150.9	149.3	149.3	149.3
7.5°	171.8	168.6	165.4	162.2	157.3	154.1	149.3	146.1	144.5	142.9	142.9
10°	176.6	175.0	168.6	162.2	157.3	150.9	146.1	142.9	141.3	139.7	139.7
12.5°	184.6	181.4	173.4	165.4	157.3	150.9	146.1	141.3	136.5	134.9	134.9
15°	192.7	187.8	178.2	167.0	157.3	150.9	142.9	136.5	131.7	128.4	128.4
17.5°	207.1	202.3	189.5	173.4	162.2	150.9	141.3	133.3	128.4	125.2	125.2
20°	226.4	218.4	200.7	181.4	167.0	152.5	141.3	131.7	123.6	120.4	118.8
22.5°	248.9	239.2	215.1	191.1	171.8	154.1	141.3	130.0	120.4	114.0	114.0
25°	276.2	263.3	231.2	203.9	178.2	157.3	142.9	128.4	118.8	112.4	112.4
27.5°	308.3	290.6	250.5	220.0	187.8	162.2	142.9	128.4	118.8	114.0	112.4
30°	343.6	322.7	272.9	234.4	197.5	165.4	144.5	126.8	117.2	114.0	114.0
32.5°	385.3	359.6	300.2	250.5	207.1	170.2	144.5	125.2	115.6	114.0	114.0
35°	438.3	403.0	329.1	268.1	216.7	175.0	144.5	125.2	115.6	110.8	110.8
37.5°	505.7	456.0	364.5	289.0	228.0	179.8	146.1	126.8	115.6	109.2	109.2
40°	584.4	518.6	406.2	313.1	240.8	186.2	149.3	126.8	115.6	109.2	107.6
42.5°	666.3	592.4	452.8	342.0	256.9	192.7	150.9	128.4	114.0	107.6	106.0
45°	761.0	675.9	507.3	375.7	274.5	200.7	154.1	130.0	112.4	106.0	104.4
47.5°	862.2	764.2	570.0	414.2	292.2	208.7	157.3	130.0	110.8	104.4	102.8
50°	961.7	857.4	642.2	456.0	313.1	218.4	160.6	130.0	110.8	102.8	101.1
52.5°	1053.2	945.7	711.3	497.7	335.6	228.0	163.8	130.0	109.2	101.1	99.5
55°	1139.9	1027.5	780.3	542.7	362.9	239.2	167.0	128.4	107.6	99.5	97.9
57.5°	1221.8	1107.8	846.1	590.8	390.1	252.1	170.2	126.8	104.4	96.3	96.3
60°	1303.7	1183.3	905.5	634.2	415.8	260.1	171.8	125.2	102.8	93.1	93.1
62.5°	1375.9	1247.5	956.9	671.1	436.7	266.5	171.8	122.0	97.9	89.9	88.3
64°	1406.5	1274.8	979.4	688.8	444.7	269.7	170.2	118.8	94.7	86.7	86.7
65°	1420.9	1286.0	990.6	696.8	449.6	269.7	168.6	115.6	93.1	85.1	83.5
67.5°	1428.9	1292.5	1000.2	703.2	449.6	264.9	162.2	109.2	86.7	77.1	77.1
70°	1388.8	1260.3	977.8	688.8	438.3	255.3	150.9	99.5	78.7	70.6	70.6
72.5°	1297.3	1183.3	918.4	647.0	406.2	236.0	138.1	89.9	70.6	62.6	62.6
75°	1151.2	1045.2	812.4	571.6	358.0	207.1	120.4	78.7	61.0	56.2	54.6
77.5°	952.1	873.4	672.7	467.2	295.4	168.6	97.9	64.2	51.4	46.6	46.6
80°	704.8	647.0	488.1	340.4	216.7	125.2	73.9	49.8	40.1	36.9	36.9
82.5°	422.3	388.5	284.2	203.9	133.3	78.7	49.8	33.7	28.9	27.3	27.3
85°	146.1	136.5	94.7	75.5	61.0	38.5	25.7	19.3	19.3	16.1	16.1
87.5°	3.2	6.4	6.4	9.6	9.6	9.6	8.0	6.4	8.0	8.0	8.0
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)