

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: P553747

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

Issue Date: 7/13/2021

Test Information

Test Method: LM-79-08
Report Number: P553747
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-VA2-830-U-AST-C
Description: LUXESCAPE OUTDOOR ARCHITECTURAL LUMINAIRE
80 CRI, 3000K LEDS AND TYPE IV OPTIC, CANTILEVER MOUNT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4024 lumens
Efficiency: N/A
Efficacy: 83.8 lumens/watt
Luminous Opening: Circular (Dia: 1.62' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

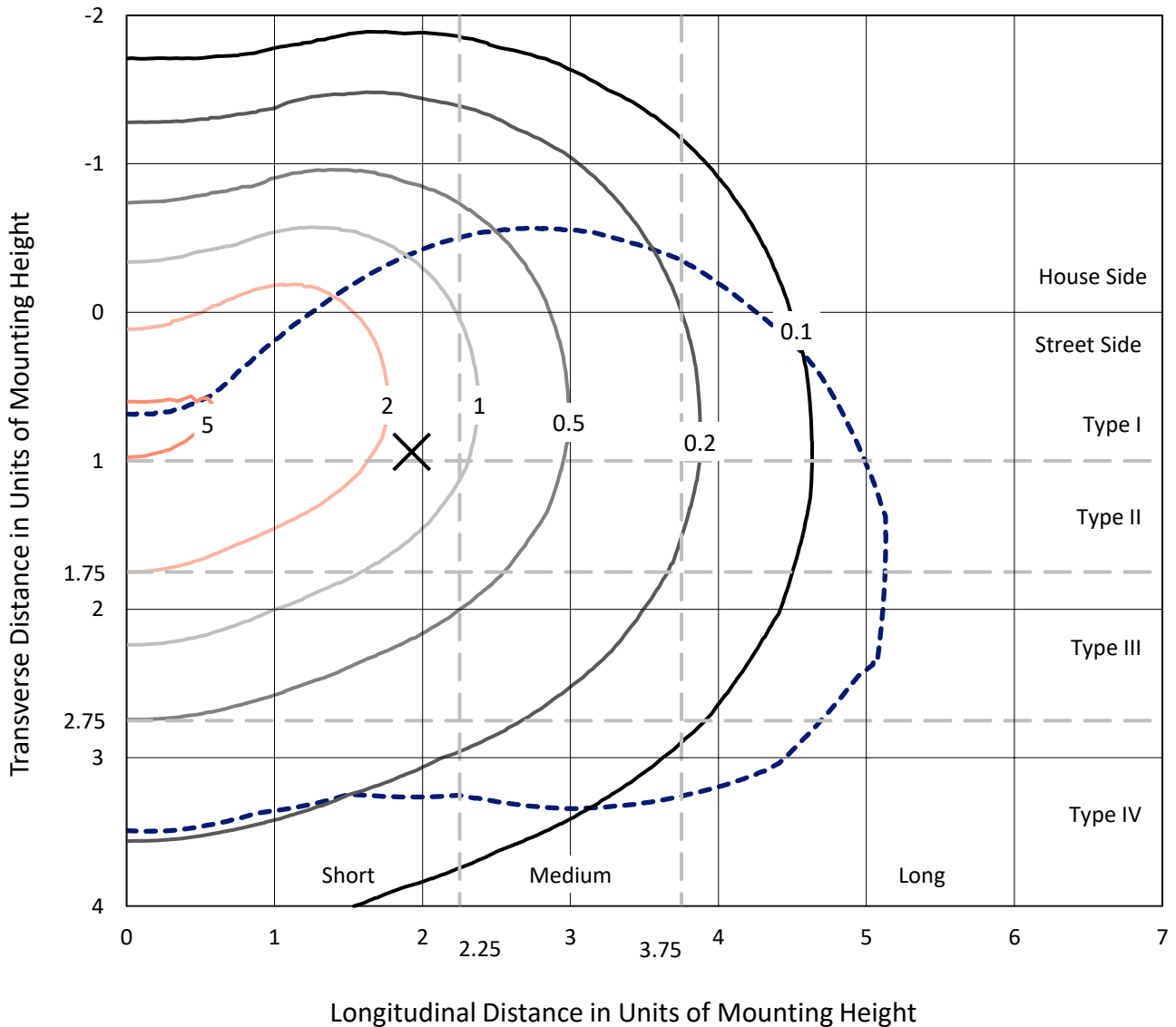
Input Watts (W): 48
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

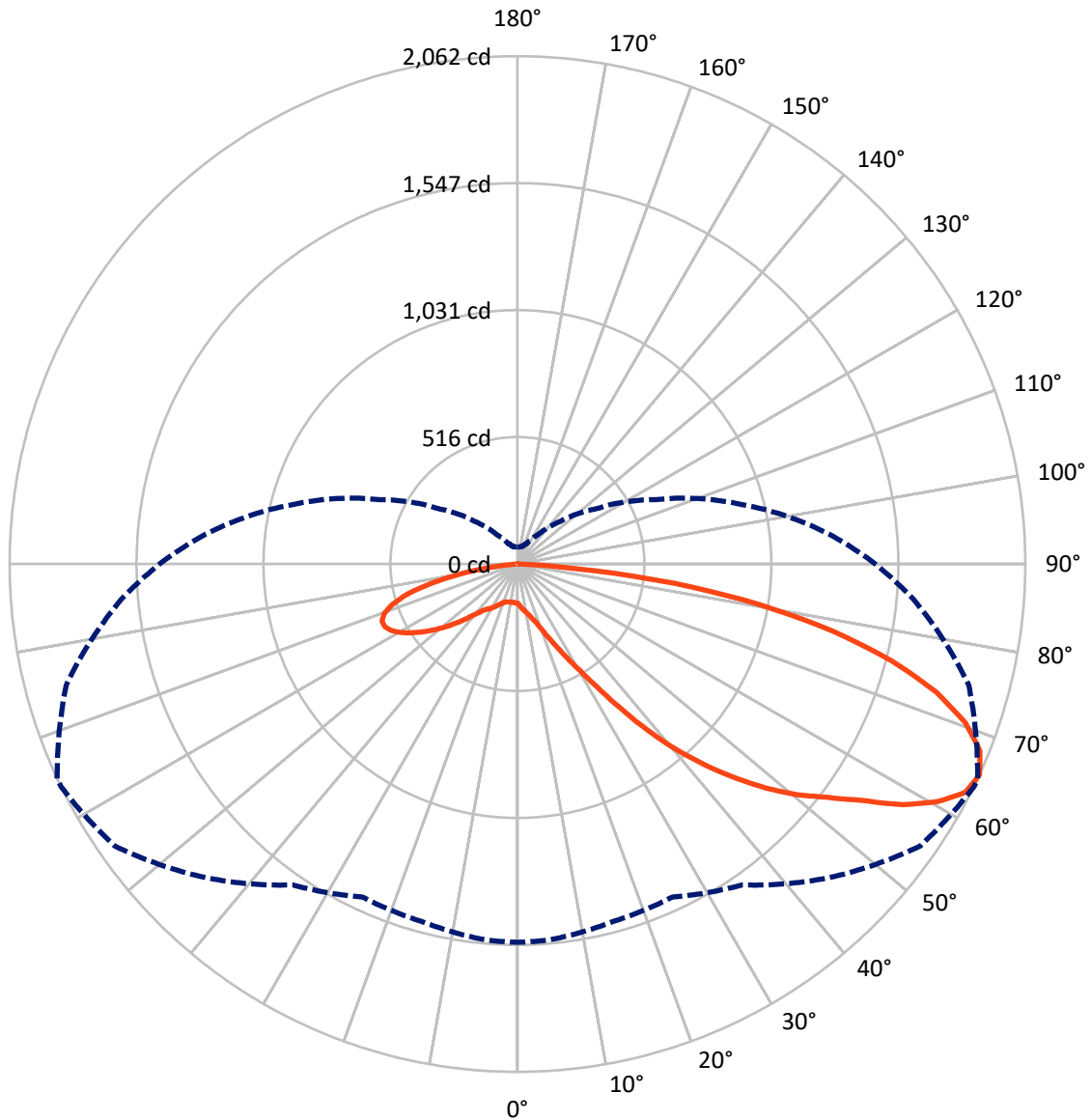
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.2 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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

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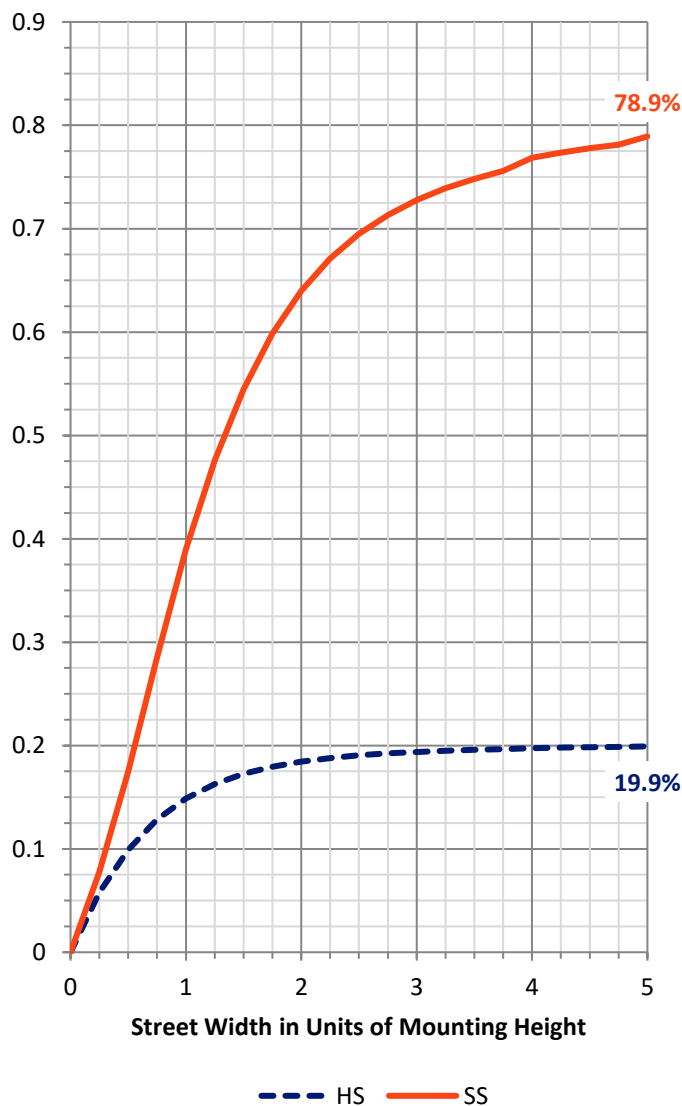
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	804.9	0.0	804.9
	% Fixture	20.0	0.0	20.0
Street Side	Lumens	3219.1	0.0	3219.1
	% Fixture	80.0	0.0	80.0
Total	Lumens	4024.0	0.0	4024.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.4	0.4
10°-20°	57.6	1.4
20°-30°	136.1	3.4
30°-40°	321.6	8.0
40°-50°	584.1	14.5
50°-60°	861.8	21.4
60°-70°	1047.0	26.0
70°-80°	812.3	20.2
80°-90°	187.0	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°	4024.0	100.0
0°-180°	4024.0	100.0

Coefficient of Utilization



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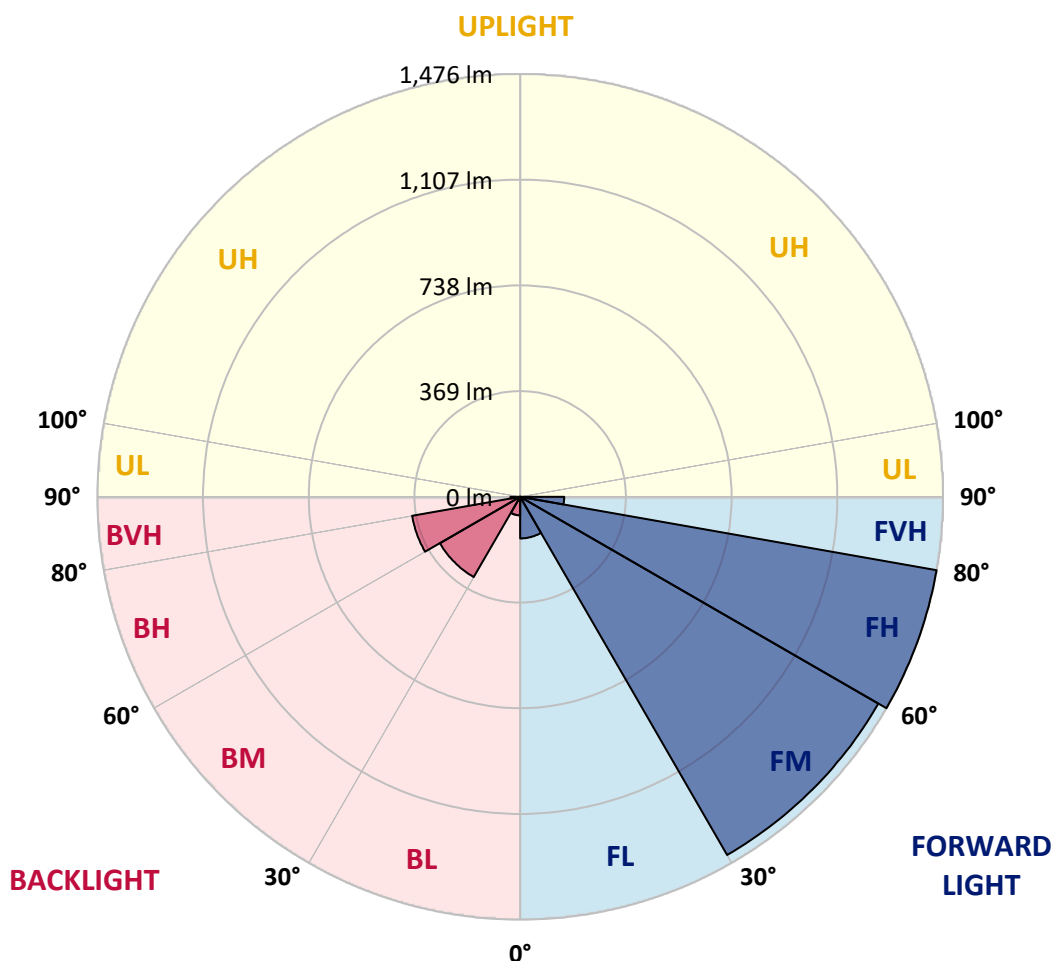
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	145.4	3.6			
FM	(30°-60°)	1444.0	35.9			
FH	(60°-80°)	1476.2	36.7			G1/1800
FVH	(80°-90°)	153.5	3.8			G2/225
BL	(0°-30°)	64.8	1.6	B0/110		
BM	(30°-60°)	323.5	8.0	B1/1000		
BH	(60°-80°)	383.1	9.5	B1/500		G1/500
BVH	(80°-90°)	33.5	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-G2

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	158.8	158.8	158.8	158.8	158.8	158.8	158.8	158.8	158.8	158.8	158.8
2.5°	178.0	179.6	178.0	178.0	176.4	174.8	171.6	168.4	168.4	166.8	163.6
5°	194.1	195.7	194.1	192.5	190.8	187.6	182.8	179.6	179.6	173.2	168.4
7.5°	210.1	210.1	210.1	206.9	203.7	200.5	194.1	189.2	189.2	182.8	174.8
10°	230.9	230.9	230.9	226.1	219.7	214.9	206.9	200.5	200.5	190.8	181.2
12.5°	255.0	256.6	253.4	250.2	243.8	234.1	222.9	214.9	214.9	203.7	189.2
15°	279.1	280.7	275.8	274.2	269.4	258.2	242.2	230.9	229.3	216.5	198.9
17.5°	315.9	317.5	312.7	306.3	296.7	288.7	269.4	251.8	250.2	232.5	210.1
20°	364.1	365.7	360.8	352.8	336.8	325.6	307.9	283.9	282.3	256.6	229.3
22.5°	421.8	425.0	415.4	402.5	389.7	372.1	349.6	325.6	322.4	288.7	255.0
25°	508.4	513.2	490.7	466.7	445.8	434.6	400.9	373.7	372.1	320.8	283.9
27.5°	591.8	590.2	575.7	556.5	514.8	498.8	465.1	433.0	434.6	367.3	317.5
30°	712.1	710.5	680.0	657.5	630.3	580.6	554.9	505.2	505.2	431.4	364.1
32.5°	891.7	890.1	854.8	795.5	757.0	699.2	660.7	596.6	595.0	510.0	421.8
35°	1122.6	1117.8	1060.1	979.9	898.1	856.4	779.4	716.9	710.5	603.0	495.6
37.5°	1238.1	1233.3	1191.6	1124.2	1045.6	984.7	912.5	853.2	845.2	713.7	575.7
40°	1308.7	1308.7	1278.2	1222.1	1170.7	1101.8	1055.3	987.9	976.7	838.8	670.4
42.5°	1356.8	1356.8	1337.5	1294.2	1267.0	1222.1	1185.2	1114.6	1105.0	965.5	776.2
45°	1371.2	1369.6	1358.4	1353.6	1329.5	1334.3	1307.1	1238.1	1228.5	1090.6	888.5
47.5°	1414.5	1414.5	1376.0	1369.6	1382.4	1424.1	1417.7	1360.0	1352.0	1207.6	1002.3
50°	1412.9	1414.5	1414.5	1380.8	1435.4	1483.5	1510.7	1472.2	1467.4	1319.9	1113.0
52.5°	1433.8	1432.2	1409.7	1428.9	1454.6	1528.4	1589.3	1573.3	1568.5	1424.1	1215.6
55°	1608.6	1592.5	1546.0	1510.7	1546.0	1650.3	1719.2	1693.6	1680.7	1531.6	1310.3
57.5°	1672.7	1664.7	1629.4	1584.5	1643.9	1767.3	1862.0	1844.3	1821.9	1643.9	1403.3
60°	1643.9	1639.0	1619.8	1594.1	1674.3	1820.3	1958.2	1959.8	1951.8	1751.3	1496.3
62.5°	1624.6	1616.6	1565.3	1568.5	1647.1	1831.5	1999.9	2041.6	2038.4	1841.1	1566.9
65°	1536.4	1531.6	1502.7	1491.5	1590.9	1799.4	1996.7	2062.4	2062.4	1897.2	1611.8
67.5°	1380.8	1388.9	1396.9	1398.5	1515.6	1733.7	1938.9	2025.5	2030.4	1898.8	1611.8
70°	1242.9	1247.7	1252.5	1287.8	1403.3	1626.2	1834.7	1929.3	1937.3	1834.7	1563.7
72.5°	1116.2	1122.6	1114.6	1154.7	1258.9	1475.5	1680.7	1777.0	1789.8	1700.0	1462.6
75°	970.3	971.9	968.7	986.3	1089.0	1291.0	1480.3	1570.1	1576.5	1512.3	1303.9
77.5°	805.1	813.1	801.9	813.1	909.3	1074.5	1244.5	1308.7	1324.7	1255.7	1080.9
80°	625.5	630.3	614.2	622.3	689.6	835.6	959.0	994.3	1010.4	944.6	808.3
82.5°	428.2	436.2	410.6	423.4	479.5	570.9	641.5	638.3	652.7	590.2	497.2
85°	181.2	192.5	187.6	197.3	224.5	242.2	261.4	232.5	234.1	218.1	178.0
87.5°	4.8	4.8	4.8	3.2	3.2	3.2	3.2	3.2	3.2	3.2	1.6
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°	158.8	158.8	158.8	158.8	158.8	158.8	158.8	158.8	158.8	158.8	158.8
2.5°	162.0	162.0	160.4	158.8	157.2	155.6	154.0	154.0	152.4	152.4	152.4
5°	166.8	165.2	160.4	157.2	154.0	150.8	149.1	145.9	145.9	144.3	144.3
7.5°	171.6	168.4	163.6	157.2	152.4	147.5	142.7	139.5	137.9	137.9	137.9
10°	176.4	173.2	165.2	158.8	150.8	144.3	139.5	136.3	134.7	134.7	133.1
12.5°	184.4	178.0	168.4	158.8	149.1	142.7	137.9	133.1	131.5	129.9	128.3
15°	190.8	184.4	173.2	160.4	149.1	141.1	134.7	128.3	125.1	123.5	123.5
17.5°	200.5	192.5	178.0	162.0	150.8	139.5	131.5	125.1	121.9	120.3	120.3
20°	216.5	206.9	186.0	166.8	154.0	139.5	129.9	123.5	118.7	115.5	115.5
22.5°	237.4	224.5	198.9	174.8	157.2	141.1	129.9	120.3	113.9	112.3	110.7
25°	261.4	243.8	211.7	184.4	160.4	142.7	128.3	117.1	110.7	109.1	107.5
27.5°	285.5	266.2	226.1	195.7	166.8	144.3	128.3	115.5	109.1	105.8	104.2
30°	325.6	293.5	242.2	206.9	173.2	147.5	128.3	113.9	105.8	102.6	102.6
32.5°	368.9	332.0	261.4	218.1	181.2	150.8	128.3	112.3	104.2	101.0	99.4
35°	431.4	376.9	290.3	226.1	189.2	154.0	128.3	112.3	102.6	97.8	97.8
37.5°	502.0	441.0	322.4	243.8	195.7	157.2	128.3	110.7	99.4	96.2	94.6
40°	583.8	505.2	367.3	267.8	203.7	162.0	131.5	110.7	99.4	94.6	94.6
42.5°	673.6	582.2	420.2	296.7	216.5	168.4	133.1	110.7	97.8	93.0	93.0
45°	768.2	668.8	476.3	333.6	235.8	174.8	134.7	109.1	96.2	91.4	89.8
47.5°	874.0	757.0	535.7	370.5	255.0	179.6	136.3	109.1	94.6	89.8	88.2
50°	973.5	853.2	601.4	410.6	275.8	187.6	139.5	107.5	93.0	88.2	86.6
52.5°	1069.7	939.8	670.4	450.7	299.9	200.5	141.1	107.5	91.4	85.0	85.0
55°	1161.1	1023.2	736.1	490.7	327.2	213.3	142.7	107.5	89.8	83.4	83.4
57.5°	1242.9	1106.6	797.1	530.8	351.2	226.1	142.7	104.2	86.6	81.8	80.2
60°	1329.5	1183.6	854.8	567.7	372.1	235.8	144.3	102.6	83.4	77.0	77.0
62.5°	1404.9	1246.1	902.9	598.2	384.9	242.2	145.9	99.4	80.2	73.8	73.8
65°	1453.0	1287.8	938.2	617.4	391.3	243.8	144.3	93.0	73.8	69.0	69.0
67.5°	1461.0	1297.4	947.8	620.7	386.5	239.0	139.5	85.0	69.0	62.5	62.5
70°	1419.3	1262.2	925.4	601.4	370.5	224.5	129.9	77.0	60.9	54.5	54.5
72.5°	1324.7	1180.4	867.6	558.1	338.4	203.7	117.1	69.0	52.9	48.1	48.1
75°	1175.6	1047.3	765.0	489.1	293.5	174.8	99.4	59.3	43.3	40.1	40.1
77.5°	967.1	861.2	630.3	391.3	230.9	137.9	80.2	48.1	33.7	32.1	32.1
80°	716.9	630.3	450.7	271.0	157.2	94.6	57.7	35.3	24.1	22.5	22.5
82.5°	428.2	370.5	258.2	154.0	81.8	52.9	33.7	22.5	14.4	12.8	12.8
85°	144.3	121.9	77.0	43.3	20.8	14.4	9.6	9.6	6.4	4.8	3.2
87.5°	1.6	1.6	1.6	1.6	1.6	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)