

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: P553723

Luminaire Tested: **LXS-VA2-730-U-AST-C**

Issue Date: 7/13/2021

Test Information

Test Method: LM-79-08
Report Number: P553723
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-VA2-730-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: 4460 lumens
Efficiency: N/A
Efficacy: 92.9 lumens/watt
Luminous Opening: Circular (Dia: 1.62' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

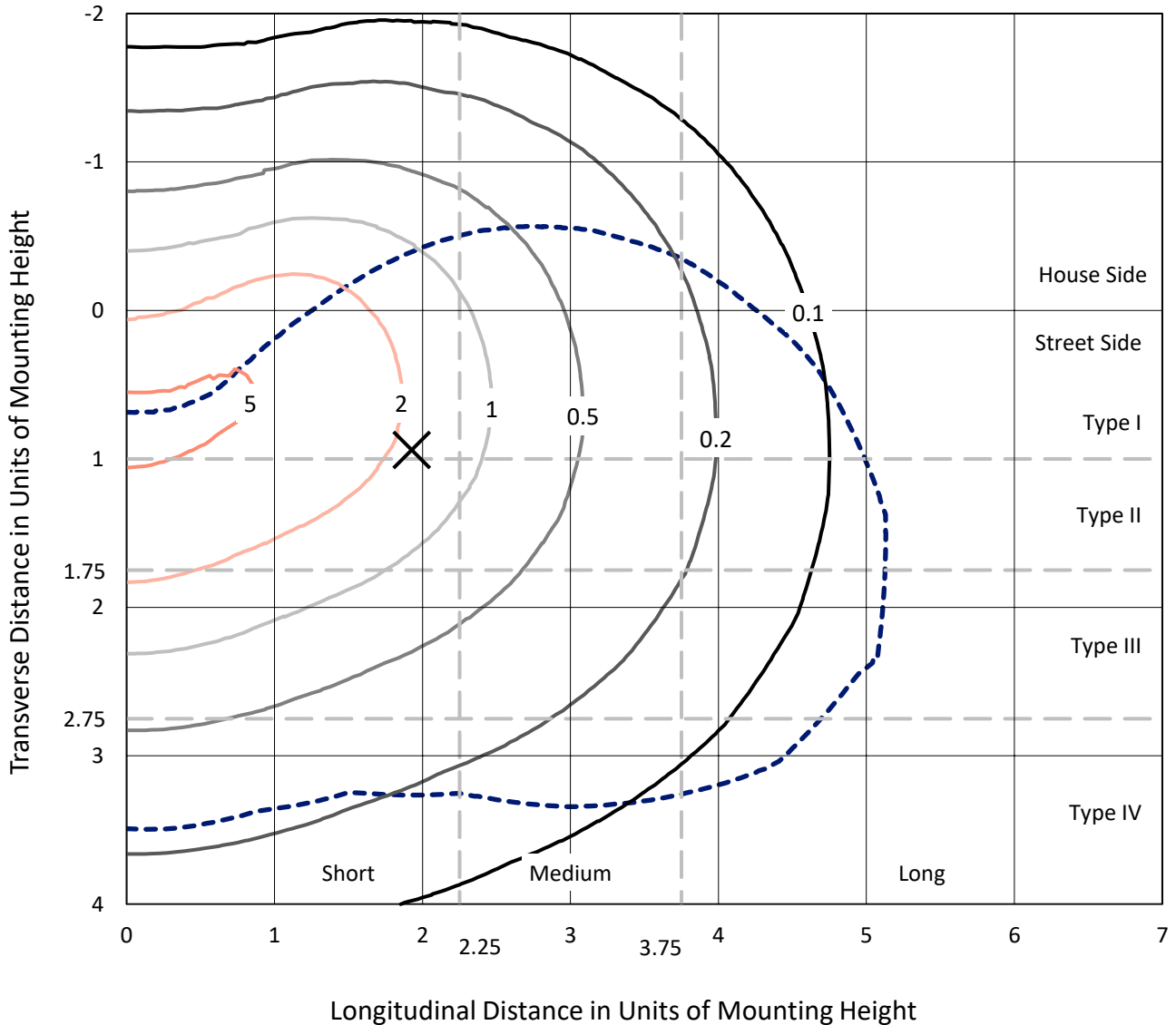
Input Watts (W): 48
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

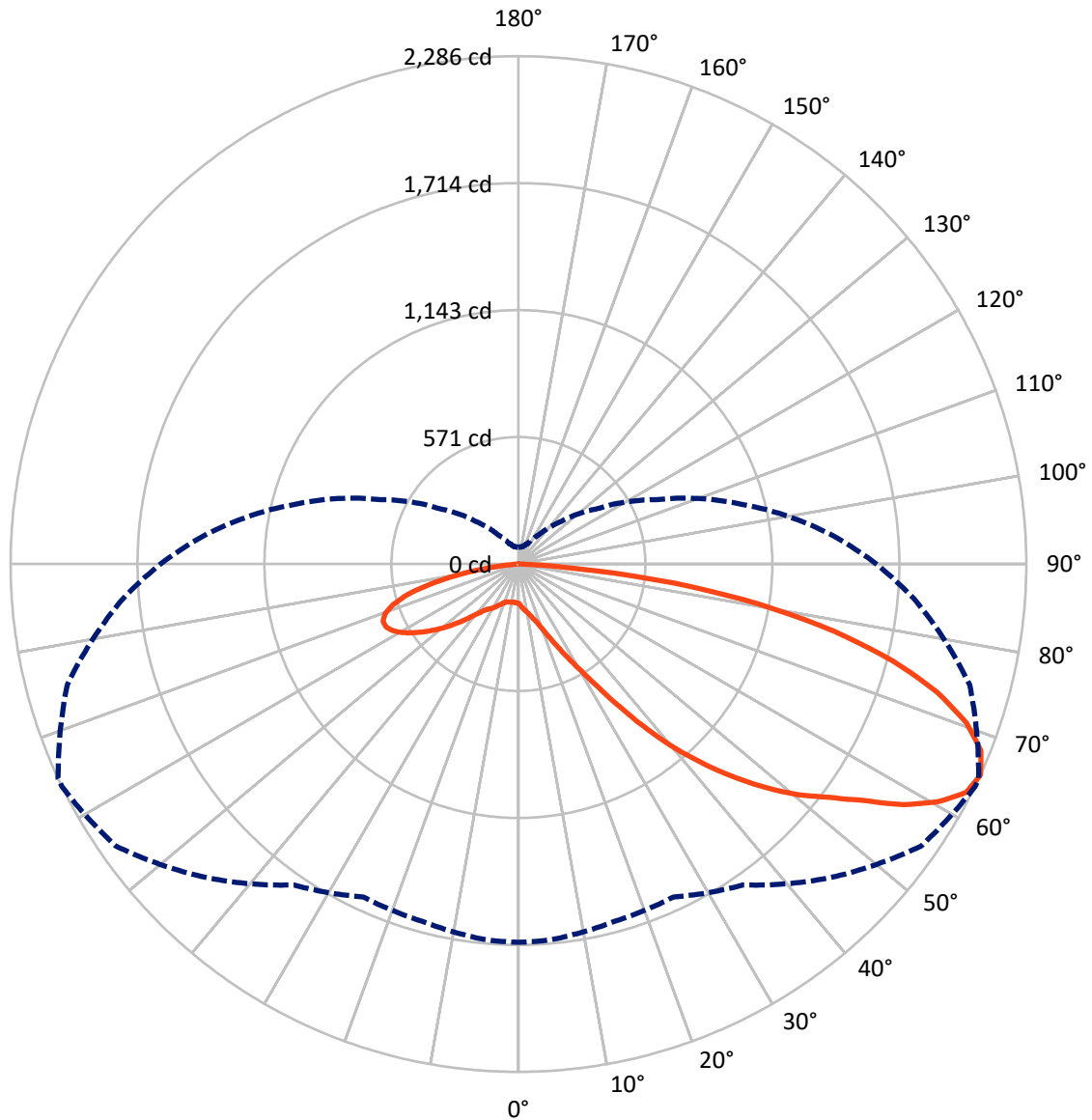
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.9 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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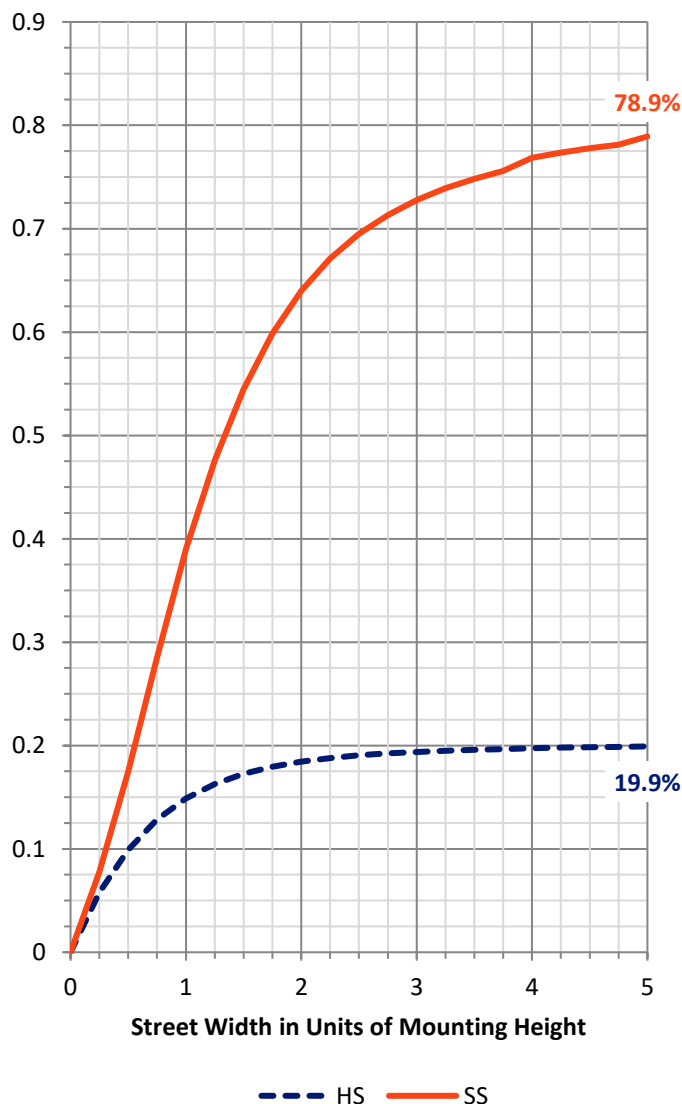
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	892.2	0.0	892.2
	% Fixture	20.0	0.0	20.0
Street Side	Lumens	3567.8	0.0	3567.8
	% Fixture	80.0	0.0	80.0
Total	Lumens	4460.0	0.0	4460.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.2	0.4
10°-20°	63.9	1.4
20°-30°	150.9	3.4
30°-40°	356.4	8.0
40°-50°	647.4	14.5
50°-60°	955.2	21.4
60°-70°	1160.4	26.0
70°-80°	900.4	20.2
80°-90°	207.3	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°	4460.0	100.0
0°-180°	4460.0	100.0

Coefficient of Utilization



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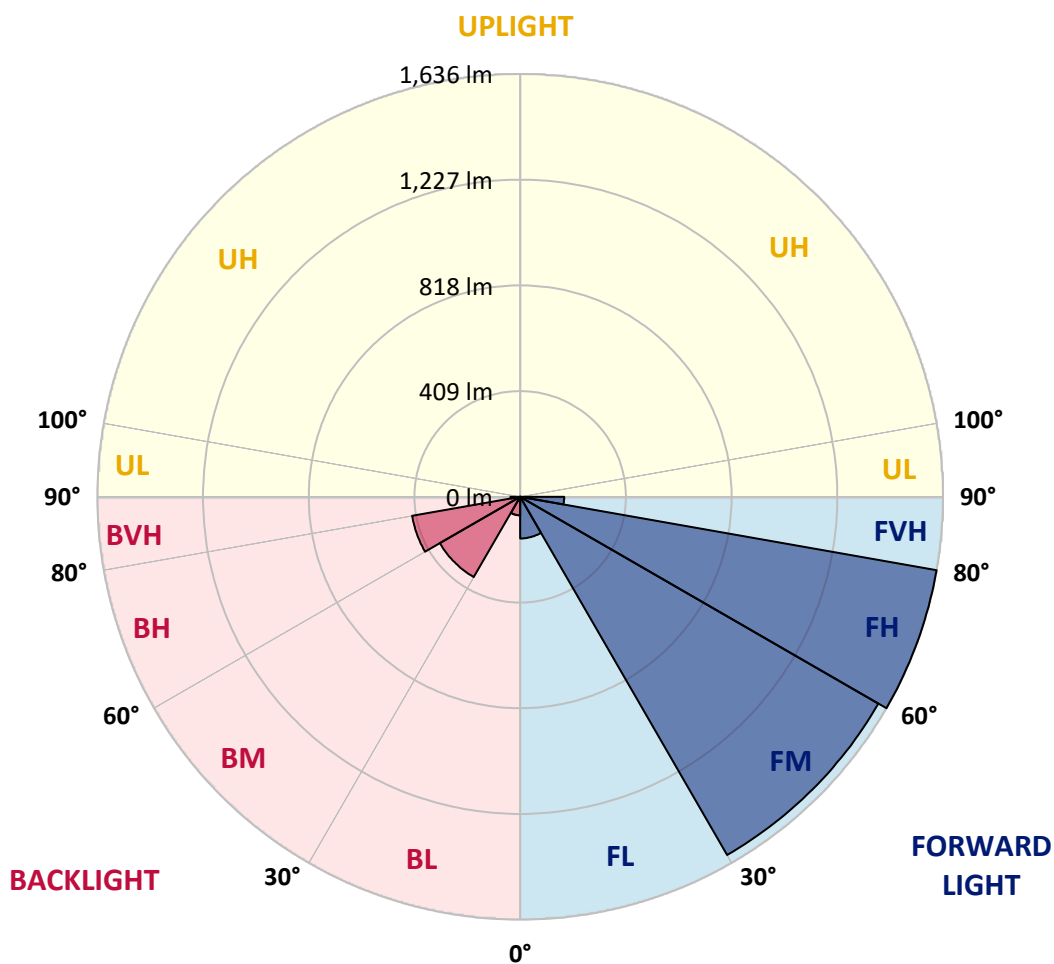
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	161.1	3.6			
FM	(30°-60°)	1600.4	35.9			
FH	(60°-80°)	1636.1	36.7			G1/1800
FVH	(80°-90°)	170.2	3.8			G2/225
BL	(0°-30°)	71.8	1.6	B0/110		
BM	(30°-60°)	358.6	8.0	B1/1000		
BH	(60°-80°)	424.6	9.5	B1/500		G1/500
BVH	(80°-90°)	37.1	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°	176.0	176.0	176.0	176.0	176.0	176.0	176.0	176.0	176.0	176.0	176.0
2.5°	197.3	199.1	197.3	197.3	195.5	193.8	190.2	186.6	186.6	184.9	181.3
5°	215.1	216.9	215.1	213.3	211.5	208.0	202.6	199.1	199.1	192.0	186.6
7.5°	232.9	232.9	232.9	229.3	225.7	222.2	215.1	209.7	209.7	202.6	193.8
10°	256.0	256.0	256.0	250.6	243.5	238.2	229.3	222.2	222.2	211.5	200.9
12.5°	282.6	284.4	280.8	277.3	270.2	259.5	247.1	238.2	238.2	225.7	209.7
15°	309.3	311.1	305.7	304.0	298.6	286.2	268.4	256.0	254.2	240.0	220.4
17.5°	350.2	351.9	346.6	339.5	328.8	320.0	298.6	279.1	277.3	257.7	232.9
20°	403.5	405.3	399.9	391.1	373.3	360.8	341.3	314.6	312.8	284.4	254.2
22.5°	467.5	471.0	460.4	446.2	431.9	412.4	387.5	360.8	357.3	320.0	282.6
25°	563.5	568.8	543.9	517.3	494.2	481.7	444.4	414.2	412.4	355.5	314.6
27.5°	655.9	654.1	638.1	616.8	570.6	552.8	515.5	479.9	481.7	407.1	351.9
30°	789.2	787.4	753.7	728.8	698.6	643.5	615.0	559.9	559.9	478.2	403.5
32.5°	988.3	986.5	947.4	881.7	839.0	775.0	732.3	661.2	659.5	565.3	467.5
35°	1244.3	1238.9	1174.9	1086.1	995.4	949.2	863.9	794.6	787.4	668.3	549.3
37.5°	1372.2	1366.9	1320.7	1246.0	1158.9	1091.4	1011.4	945.6	936.8	791.0	638.1
40°	1450.5	1450.5	1416.7	1354.5	1297.6	1221.2	1169.6	1095.0	1082.5	929.6	743.0
42.5°	1503.8	1503.8	1482.5	1434.5	1404.2	1354.5	1313.6	1235.4	1224.7	1070.1	860.3
45°	1519.8	1518.0	1505.6	1500.2	1473.6	1478.9	1448.7	1372.2	1361.6	1208.7	984.7
47.5°	1567.8	1567.8	1525.1	1518.0	1532.2	1578.4	1571.3	1507.3	1498.5	1338.5	1111.0
50°	1566.0	1567.8	1567.8	1530.4	1590.9	1644.2	1674.4	1631.8	1626.4	1462.9	1233.6
52.5°	1589.1	1587.3	1562.4	1583.8	1612.2	1694.0	1761.5	1743.8	1738.4	1578.4	1347.4
55°	1782.9	1765.1	1713.5	1674.4	1713.5	1829.1	1905.5	1877.1	1862.8	1697.5	1452.2
57.5°	1854.0	1845.1	1806.0	1756.2	1822.0	1958.8	2063.7	2044.2	2019.3	1822.0	1555.3
60°	1822.0	1816.6	1795.3	1766.9	1855.7	2017.5	2170.4	2172.1	2163.2	1941.1	1658.4
62.5°	1800.6	1791.7	1734.9	1738.4	1825.5	2029.9	2216.6	2262.8	2259.2	2040.6	1736.6
65°	1702.9	1697.5	1665.5	1653.1	1763.3	1994.4	2213.0	2285.9	2285.9	2102.8	1786.4
67.5°	1530.4	1539.3	1548.2	1550.0	1679.8	1921.5	2149.0	2245.0	2250.3	2104.6	1786.4
70°	1377.6	1382.9	1388.2	1427.4	1555.3	1802.4	2033.5	2138.4	2147.2	2033.5	1733.1
72.5°	1237.2	1244.3	1235.4	1279.8	1395.4	1635.3	1862.8	1969.5	1983.7	1884.2	1621.1
75°	1075.4	1077.2	1073.6	1093.2	1206.9	1430.9	1640.7	1740.2	1747.3	1676.2	1445.1
77.5°	892.3	901.2	888.8	901.2	1007.9	1190.9	1379.4	1450.5	1468.2	1391.8	1198.1
80°	693.2	698.6	680.8	689.7	764.3	926.1	1063.0	1102.1	1119.8	1047.0	895.9
82.5°	474.6	483.5	455.0	469.3	531.5	632.8	711.0	707.5	723.5	654.1	551.0
85°	200.9	213.3	208.0	218.6	248.9	268.4	289.7	257.7	259.5	241.7	197.3
87.5°	5.3	5.3	5.3	3.6	3.6	3.6	3.6	3.6	3.6	3.6	1.8
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°	176.0	176.0	176.0	176.0	176.0	176.0	176.0	176.0	176.0	176.0	176.0
2.5°	179.5	179.5	177.8	176.0	174.2	172.4	170.6	170.6	168.9	168.9	168.9
5°	184.9	183.1	177.8	174.2	170.6	167.1	165.3	161.8	161.8	160.0	160.0
7.5°	190.2	186.6	181.3	174.2	168.9	163.5	158.2	154.6	152.9	152.9	152.9
10°	195.5	192.0	183.1	176.0	167.1	160.0	154.6	151.1	149.3	149.3	147.5
12.5°	204.4	197.3	186.6	176.0	165.3	158.2	152.9	147.5	145.8	144.0	142.2
15°	211.5	204.4	192.0	177.8	165.3	156.4	149.3	142.2	138.6	136.9	136.9
17.5°	222.2	213.3	197.3	179.5	167.1	154.6	145.8	138.6	135.1	133.3	133.3
20°	240.0	229.3	206.2	184.9	170.6	154.6	144.0	136.9	131.5	128.0	128.0
22.5°	263.1	248.9	220.4	193.8	174.2	156.4	144.0	133.3	126.2	124.4	122.6
25°	289.7	270.2	234.6	204.4	177.8	158.2	142.2	129.8	122.6	120.9	119.1
27.5°	316.4	295.1	250.6	216.9	184.9	160.0	142.2	128.0	120.9	117.3	115.5
30°	360.8	325.3	268.4	229.3	192.0	163.5	142.2	126.2	117.3	113.8	113.8
32.5°	408.8	367.9	289.7	241.7	200.9	167.1	142.2	124.4	115.5	112.0	110.2
35°	478.2	417.7	321.7	250.6	209.7	170.6	142.2	124.4	113.8	108.4	108.4
37.5°	556.4	488.8	357.3	270.2	216.9	174.2	142.2	122.6	110.2	106.7	104.9
40°	647.0	559.9	407.1	296.8	225.7	179.5	145.8	122.6	110.2	104.9	104.9
42.5°	746.6	645.2	465.7	328.8	240.0	186.6	147.5	122.6	108.4	103.1	103.1
45°	851.4	741.2	527.9	369.7	261.3	193.8	149.3	120.9	106.7	101.3	99.5
47.5°	968.8	839.0	593.7	410.6	282.6	199.1	151.1	120.9	104.9	99.5	97.8
50°	1079.0	945.6	666.6	455.0	305.7	208.0	154.6	119.1	103.1	97.8	96.0
52.5°	1185.6	1041.6	743.0	499.5	332.4	222.2	156.4	119.1	101.3	94.2	94.2
55°	1286.9	1134.1	815.9	543.9	362.6	236.4	158.2	119.1	99.5	92.4	92.4
57.5°	1377.6	1226.5	883.4	588.4	389.3	250.6	158.2	115.5	96.0	90.7	88.9
60°	1473.6	1311.8	947.4	629.2	412.4	261.3	160.0	113.8	92.4	85.3	85.3
62.5°	1557.1	1381.1	1000.7	663.0	426.6	268.4	161.8	110.2	88.9	81.8	81.8
65°	1610.4	1427.4	1039.9	684.3	433.7	270.2	160.0	103.1	81.8	76.4	76.4
67.5°	1619.3	1438.0	1050.5	687.9	428.4	264.9	154.6	94.2	76.4	69.3	69.3
70°	1573.1	1398.9	1025.6	666.6	410.6	248.9	144.0	85.3	67.5	60.4	60.4
72.5°	1468.2	1308.3	961.6	618.6	375.1	225.7	129.8	76.4	58.7	53.3	53.3
75°	1302.9	1160.7	847.9	542.1	325.3	193.8	110.2	65.8	48.0	44.4	44.4
77.5°	1071.8	954.5	698.6	433.7	256.0	152.9	88.9	53.3	37.3	35.6	35.6
80°	794.6	698.6	499.5	300.4	174.2	104.9	64.0	39.1	26.7	24.9	24.9
82.5°	474.6	410.6	286.2	170.6	90.7	58.7	37.3	24.9	16.0	14.2	14.2
85°	160.0	135.1	85.3	48.0	23.1	16.0	10.7	10.7	7.1	5.3	3.6
87.5°	1.8	1.8	1.8	1.8	1.8	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)