

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: P553736

Luminaire Tested: **LXS-VA2-740-U-AST-S**

Issue Date: 7/13/2021

Test Information

Test Method: LM-79-08
Report Number: P553736
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-VA2-740-U-AST-S
Description: LUXESCAPE OUTDOOR ARCHITECTURAL LUMINAIRE
70 CRI, 4000K LEDS AND TYPE IV OPTIC, SPIDER MOUNT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4557 lumens
Efficiency: N/A
Efficacy: 94.9 lumens/watt
Luminous Opening: Circular (Dia: 1.62' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

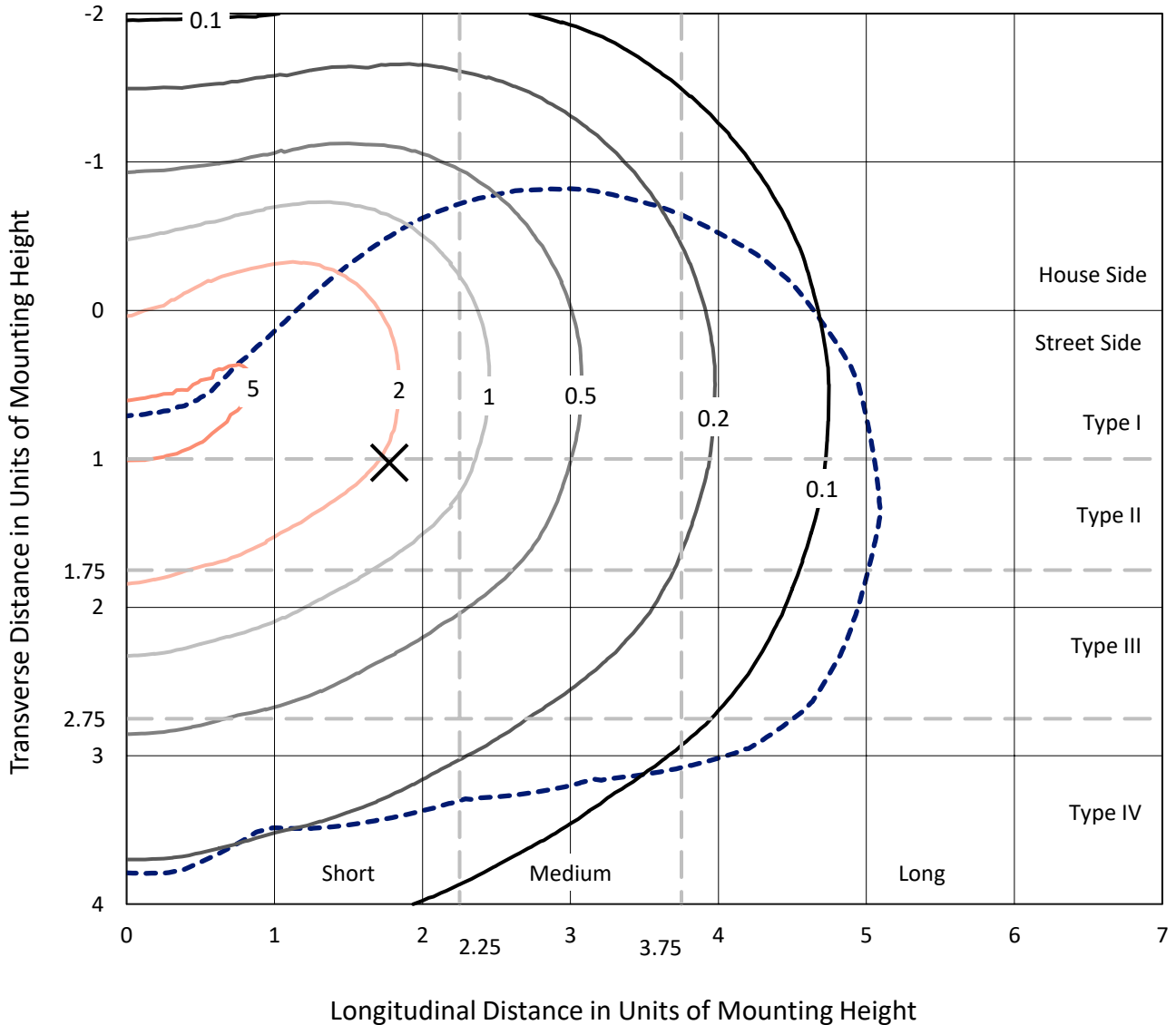
Input Watts (W): 48
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P553736
 CATALOG NUMBER: LXS-VA2-740-U-AST-S

Iso-Footcandle Lines of Horizontal Illumination

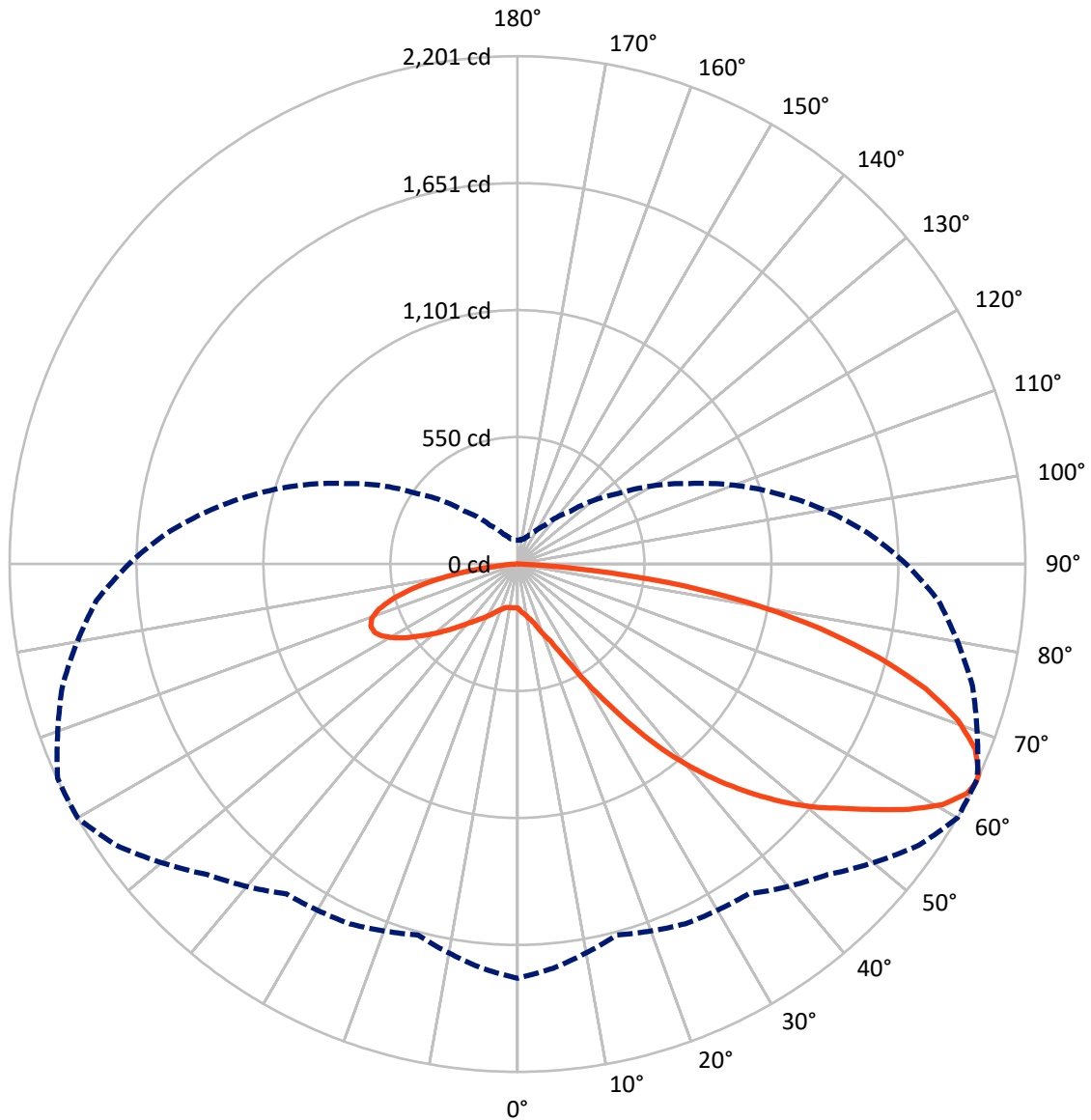
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.3 fc
 Type IV - Short - N/A

REPORT NUMBER: P553736
CATALOG NUMBER: LXS-VA2-740-U-AST-S

Luminous Intensity Polar Plot



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

REPORT NUMBER: P553736

CATALOG NUMBER: LXS-VA2-740-U-AST-S

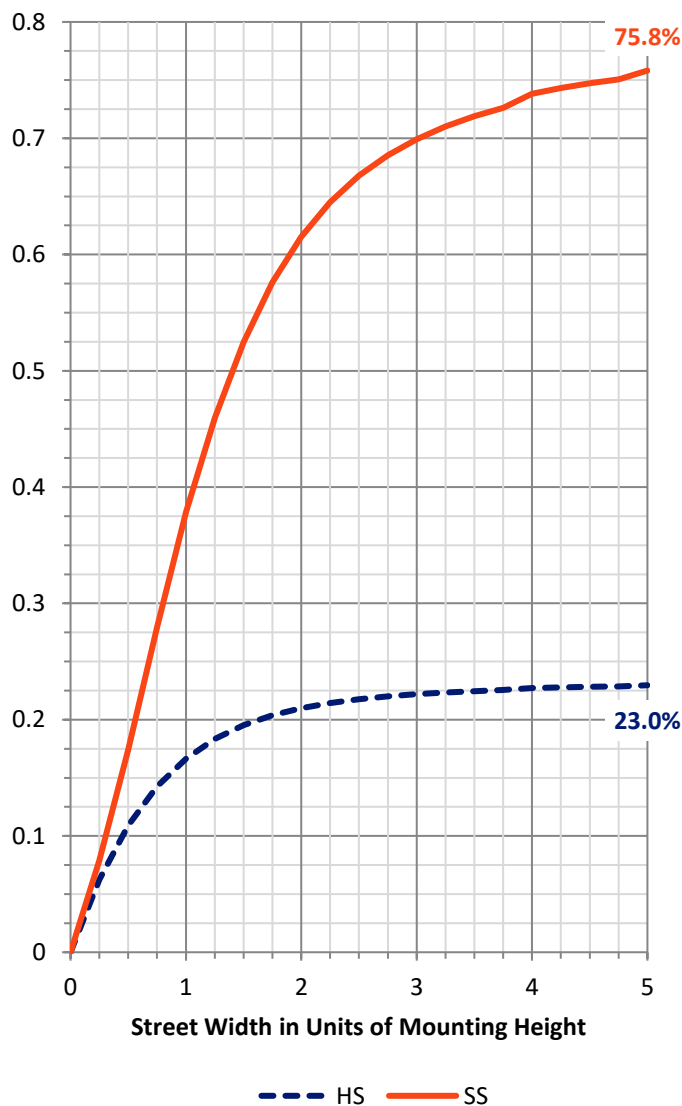
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1054.1	0.0	1054.1
	% Fixture	23.1	0.0	23.1
Street Side	Lumens	3502.9	0.0	3502.9
	% Fixture	76.9	0.0	76.9
Total	Lumens	4557.0	0.0	4557.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.3	0.4
10°-20°	66.5	1.5
20°-30°	155.8	3.4
30°-40°	365.2	8.0
40°-50°	659.9	14.5
50°-60°	973.7	21.4
60°-70°	1182.3	25.9
70°-80°	918.6	20.2
80°-90°	215.6	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°	4557.0	100.0
0°-180°	4557.0	100.0

Coefficient of Utilization



REPORT NUMBER: P553736

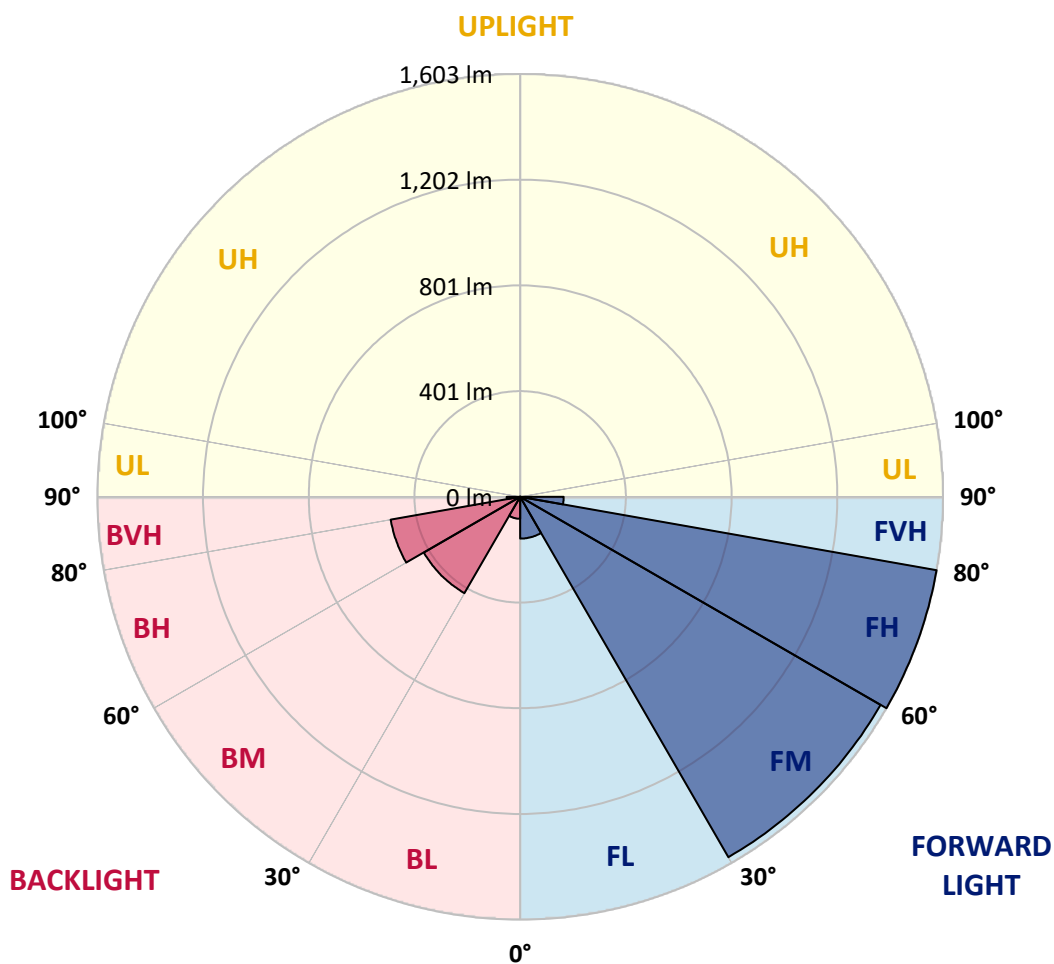
CATALOG NUMBER: LXS-VA2-740-U-AST-S

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	158.3	3.5			
FM	(30°-60°)	1577.3	34.6			
FH	(60°-80°)	1602.5	35.2			G1/1800
FVH	(80°-90°)	164.8	3.6			G2/225
BL	(0°-30°)	83.3	1.8	B0/110		
BM	(30°-60°)	421.6	9.3	B1/1000		
BH	(60°-80°)	498.4	10.9	B1/500		G1/500
BVH	(80°-90°)	50.8	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





REPORT NUMBER: P553736
 CATALOG NUMBER: LXS-VA2-740-U-AST-S

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	190.3	190.3	190.3	190.3	190.3	190.3	190.3	190.3	190.3	190.3	190.3
2.5°	207.6	207.6	207.6	205.7	205.7	203.8	199.9	199.9	198.0	196.1	194.2
5°	219.1	219.1	219.1	217.2	217.2	215.3	211.5	211.5	209.5	205.7	201.8
7.5°	228.8	230.7	228.8	228.8	226.8	224.9	221.1	219.1	217.2	213.4	207.6
10°	249.9	248.0	246.1	244.1	240.3	236.4	232.6	230.7	228.8	223.0	215.3
12.5°	269.1	267.2	267.2	263.4	259.5	253.7	248.0	246.1	244.1	236.4	226.8
15°	290.3	290.3	288.4	286.4	282.6	276.8	267.2	263.4	261.4	251.8	236.4
17.5°	326.8	326.8	323.0	321.0	315.3	311.4	299.9	294.1	286.4	274.9	257.6
20°	371.0	371.0	371.0	371.0	359.5	344.1	332.6	326.8	317.2	299.9	280.7
22.5°	424.8	424.8	422.9	426.8	419.1	386.4	367.2	359.5	349.9	332.6	309.5
25°	513.3	515.2	509.4	503.7	484.4	455.6	422.9	417.1	409.5	378.7	349.9
27.5°	586.3	588.2	599.8	597.8	563.2	534.4	511.3	496.0	486.4	432.5	394.1
30°	694.0	694.0	707.4	707.4	678.6	638.2	622.8	603.6	574.8	501.7	442.1
32.5°	884.3	880.4	893.9	842.0	817.0	770.9	753.6	720.9	674.7	588.2	505.6
35°	1122.6	1116.9	1116.9	1030.4	961.2	934.3	888.1	867.0	809.3	694.0	582.5
37.5°	1247.6	1247.6	1264.9	1182.2	1122.6	1074.6	1036.1	1016.9	963.1	822.8	672.8
40°	1334.1	1341.8	1361.0	1297.6	1261.1	1197.6	1186.1	1155.3	1109.2	959.2	780.5
42.5°	1397.5	1405.2	1426.4	1386.0	1364.9	1316.8	1316.8	1288.0	1255.3	1095.7	897.7
45°	1430.2	1436.0	1449.4	1466.7	1436.0	1422.5	1439.8	1414.8	1387.9	1232.2	1026.5
47.5°	1497.5	1501.3	1470.6	1491.7	1493.7	1516.7	1547.5	1537.9	1514.8	1357.2	1151.5
50°	1509.0	1514.8	1516.7	1518.7	1557.1	1580.2	1637.8	1655.1	1628.2	1474.4	1278.4
52.5°	1559.0	1545.6	1516.7	1580.2	1574.4	1626.3	1716.7	1758.9	1730.1	1589.8	1395.6
55°	1780.1	1739.7	1664.7	1682.0	1668.6	1749.3	1851.2	1878.1	1843.5	1701.3	1501.3
57.5°	1860.8	1822.4	1757.0	1770.5	1776.2	1866.6	1993.5	2005.0	1978.1	1812.8	1605.2
60°	1845.4	1805.1	1747.4	1791.6	1812.8	1920.4	2091.5	2116.5	2105.0	1918.5	1712.8
62.5°	1837.8	1795.5	1695.5	1766.6	1782.0	1924.3	2128.0	2187.6	2183.8	2005.0	1799.3
64°	1795.5	1758.9	1664.7	1720.5	1745.5	1903.1	2124.2	2201.1	2199.2	2041.5	1832.0
65°	1739.7	1714.7	1634.0	1680.1	1716.7	1878.1	2110.7	2197.2	2193.4	2053.1	1845.4
67.5°	1566.7	1559.0	1524.4	1578.2	1637.8	1801.2	2041.5	2139.6	2147.3	2041.5	1845.4
70°	1420.6	1412.9	1378.3	1453.3	1516.7	1680.1	1928.1	2024.2	2033.8	1960.8	1789.7
72.5°	1278.4	1276.4	1222.6	1305.3	1361.0	1516.7	1758.9	1851.2	1864.7	1812.8	1670.5
75°	1115.0	1118.8	1066.9	1120.7	1176.5	1314.9	1528.3	1618.6	1630.1	1599.4	1484.0
77.5°	928.5	930.4	886.2	926.6	982.3	1088.0	1278.4	1338.0	1359.1	1334.1	1232.2
80°	720.9	726.6	684.4	711.3	749.7	834.3	978.5	1018.8	1020.8	1001.5	920.8
82.5°	521.0	501.7	463.3	484.4	522.9	557.5	645.9	657.4	647.8	624.8	561.3
85°	238.4	219.1	221.1	244.1	246.1	226.8	251.8	240.3	236.4	213.4	196.1
87.5°	9.6	7.7	7.7	7.7	5.8	3.8	5.8	3.8	3.8	3.8	3.8
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: P553736
 CATALOG NUMBER: LXS-VA2-740-U-AST-S

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	190.3	190.3	190.3	190.3	190.3	190.3	190.3	190.3	190.3	190.3	190.3
2.5°	194.2	192.2	190.3	190.3	188.4	188.4	186.5	186.5	184.5	184.5	184.5
5°	199.9	198.0	194.2	192.2	188.4	186.5	184.5	180.7	178.8	178.8	178.8
7.5°	205.7	201.8	198.0	194.2	188.4	184.5	178.8	174.9	173.0	171.1	171.1
10°	211.5	209.5	201.8	194.2	188.4	180.7	174.9	171.1	169.2	167.2	167.2
12.5°	221.1	217.2	207.6	198.0	188.4	180.7	174.9	169.2	163.4	161.5	161.5
15°	230.7	224.9	213.4	199.9	188.4	180.7	171.1	163.4	157.6	153.8	153.8
17.5°	248.0	242.2	226.8	207.6	194.2	180.7	169.2	159.6	153.8	149.9	149.9
20°	271.1	261.4	240.3	217.2	199.9	182.6	169.2	157.6	148.0	144.2	142.3
22.5°	298.0	286.4	257.6	228.8	205.7	184.5	169.2	155.7	144.2	136.5	136.5
25°	330.6	315.3	276.8	244.1	213.4	188.4	171.1	153.8	142.3	134.6	134.6
27.5°	369.1	347.9	299.9	263.4	224.9	194.2	171.1	153.8	142.3	136.5	134.6
30°	411.4	386.4	326.8	280.7	236.4	198.0	173.0	151.9	140.3	136.5	136.5
32.5°	461.4	430.6	359.5	299.9	248.0	203.8	173.0	149.9	138.4	136.5	136.5
35°	524.8	482.5	394.1	321.0	259.5	209.5	173.0	149.9	138.4	132.6	132.6
37.5°	605.5	545.9	436.4	346.0	273.0	215.3	174.9	151.9	138.4	130.7	130.7
40°	699.7	620.9	486.4	374.9	288.4	223.0	178.8	151.9	138.4	130.7	128.8
42.5°	797.8	709.3	542.1	409.5	307.6	230.7	180.7	153.8	136.5	128.8	126.9
45°	911.2	809.3	607.5	449.8	328.7	240.3	184.5	155.7	134.6	126.9	125.0
47.5°	1032.3	915.0	682.4	496.0	349.9	249.9	188.4	155.7	132.6	125.0	123.0
50°	1151.5	1026.5	768.9	545.9	374.9	261.4	192.2	155.7	132.6	123.0	121.1
52.5°	1261.1	1132.3	851.6	595.9	401.8	273.0	196.1	155.7	130.7	121.1	119.2
55°	1364.9	1230.3	934.3	649.8	434.4	286.4	199.9	153.8	128.8	119.2	117.3
57.5°	1462.9	1326.4	1013.1	707.4	467.1	301.8	203.8	151.9	125.0	115.3	115.3
60°	1560.9	1416.8	1084.2	759.3	497.9	311.4	205.7	149.9	123.0	111.5	111.5
62.5°	1647.4	1493.7	1145.7	803.5	522.9	319.1	205.7	146.1	117.3	107.7	105.7
64°	1684.0	1526.3	1172.6	824.7	532.5	323.0	203.8	142.3	113.4	103.8	103.8
65°	1701.3	1539.8	1186.1	834.3	538.3	323.0	201.8	138.4	111.5	101.9	100.0
67.5°	1710.9	1547.5	1197.6	842.0	538.3	317.2	194.2	130.7	103.8	92.3	92.3
70°	1662.8	1509.0	1170.7	824.7	524.8	305.7	180.7	119.2	94.2	84.6	84.6
72.5°	1553.3	1416.8	1099.6	774.7	486.4	282.6	165.3	107.7	84.6	75.0	75.0
75°	1378.3	1251.4	972.7	684.4	428.7	248.0	144.2	94.2	73.0	67.3	65.4
77.5°	1139.9	1045.8	805.5	559.4	353.7	201.8	117.3	76.9	61.5	55.7	55.7
80°	843.9	774.7	584.4	407.5	259.5	149.9	88.4	59.6	48.1	44.2	44.2
82.5°	505.6	465.2	340.3	244.1	159.6	94.2	59.6	40.4	34.6	32.7	32.7
85°	174.9	163.4	113.4	90.4	73.0	46.1	30.8	23.1	23.1	19.2	19.2
87.5°	3.8	7.7	7.7	11.5	11.5	11.5	9.6	7.7	9.6	9.6	9.6
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)