

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: P553739

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

Issue Date: 7/13/2021

Test Information

Test Method: LM-79-08
Report Number: P553739
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1803-687-16-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-ASW-S
Description: LUXESCAPE OUTDOOR ARCHITECTURAL LUMINAIRE
70 CRI, 4000K LEDS AND TYPE III OPTIC, SPIDER MOUNT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4347 lumens
Efficiency: N/A
Efficacy: 90.6 lumens/watt
Luminous Opening: Circular (Dia: 1.62' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

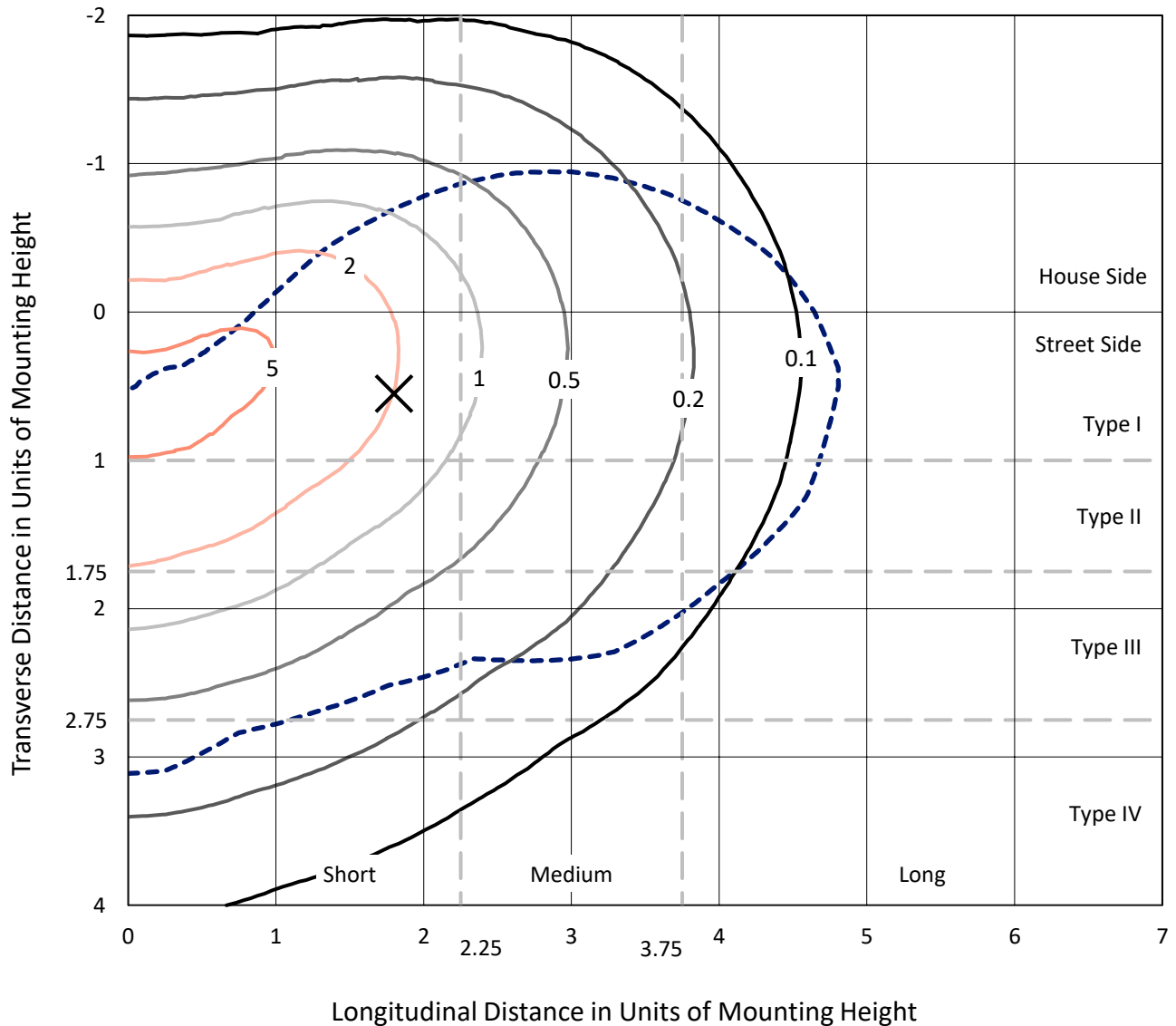
Input Watts (W): 48
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

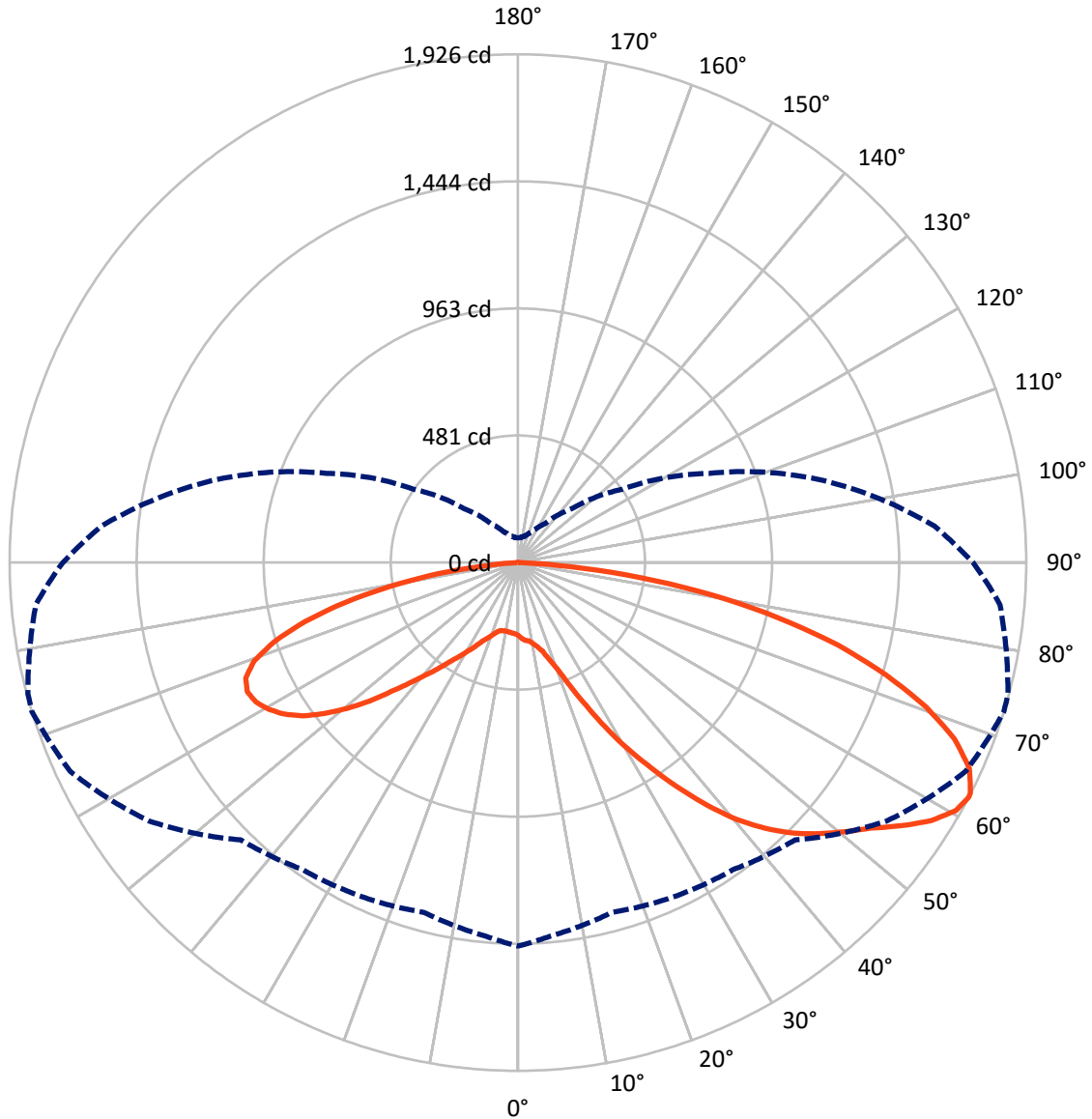
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.3 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 73-Deg Lateral - - - Horizontal Cone Through 62-Deg Vertical

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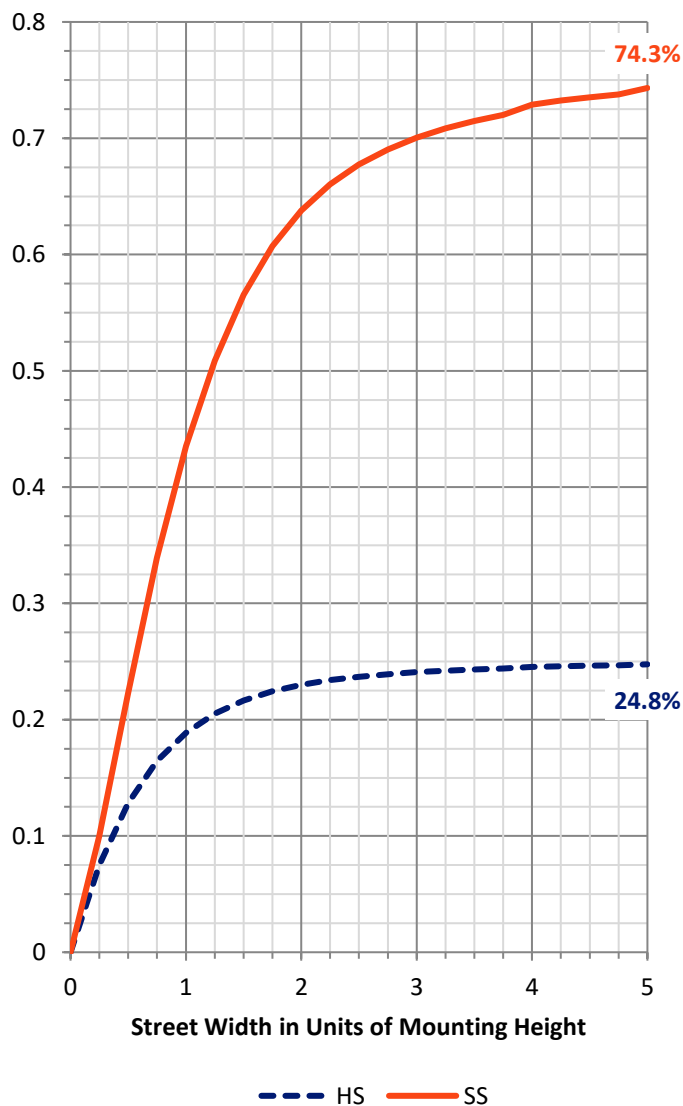
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1084.3	0.0	1084.3
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	3262.7	0.0	3262.7
	% Fixture	75.1	0.0	75.1
Total	Lumens	4347.0	0.0	4347.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.6	0.6
10°-20°	100.7	2.3
20°-30°	246.9	5.7
30°-40°	462.5	10.6
40°-50°	694.6	16.0
50°-60°	937.7	21.6
60°-70°	1005.0	23.1
70°-80°	708.2	16.3
80°-90°	163.9	3.8
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°	4347.0	100.0
0°-180°	4347.0	100.0

Coefficient of Utilization



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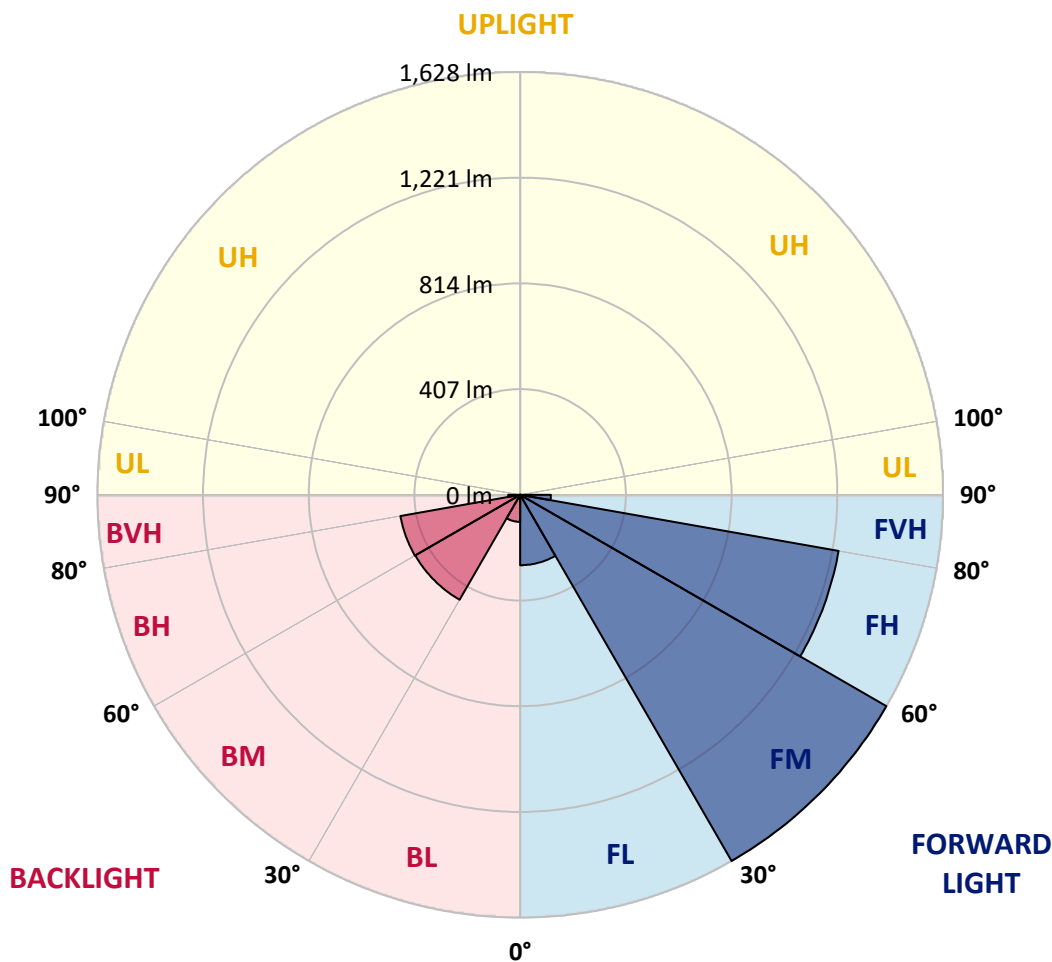
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	271.0	6.2			
FM	(30°-60°)	1628.2	37.5			
FH	(60°-80°)	1245.0	28.6			G1/1800
FVH	(80°-90°)	118.4	2.7			G2/225
BL	(0°-30°)	104.2	2.4	B0/110		
BM	(30°-60°)	466.5	10.7	B1/1000		
BH	(60°-80°)	468.2	10.8	B1/500		G1/500
BVH	(80°-90°)	45.4	1.0			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 III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	73°	75°	85°
0°	276.7	276.7	276.7	276.7	276.7	276.7	276.7	276.7	276.7	276.7	276.7
2.5°	313.3	311.3	311.3	309.4	305.6	301.7	297.9	292.1	288.3	286.3	280.6
5°	342.1	340.2	338.2	332.5	326.7	319.0	311.3	303.6	296.0	294.0	284.4
7.5°	374.7	372.8	369.0	355.5	342.1	330.5	319.0	309.4	299.8	297.9	286.3
10°	417.0	415.1	405.5	386.3	365.1	347.8	332.5	320.9	311.3	307.5	292.1
12.5°	455.5	453.5	438.2	415.1	395.9	376.7	355.5	340.2	326.7	322.9	301.7
15°	551.6	547.7	532.3	478.5	449.7	424.7	397.8	369.0	347.8	342.1	313.3
17.5°	745.7	741.8	730.3	641.9	566.9	507.4	463.2	420.9	386.3	380.5	342.1
20°	818.7	824.4	845.6	822.5	739.9	613.0	541.9	486.2	432.4	422.8	374.7
22.5°	864.8	874.4	916.7	920.5	882.1	755.3	634.2	568.8	507.4	490.1	420.9
25°	897.5	912.8	985.9	1008.9	972.4	885.9	768.7	682.2	599.6	580.4	482.4
27.5°	932.1	947.4	1030.1	1064.7	1041.6	976.3	924.4	805.2	707.2	678.4	557.3
30°	1022.4	1028.2	1116.6	1120.4	1097.3	1070.4	1055.1	922.5	816.8	786.0	638.0
32.5°	1170.4	1160.8	1231.9	1206.9	1158.8	1156.9	1153.1	1047.4	928.2	897.5	728.4
35°	1278.0	1279.9	1343.3	1287.6	1239.6	1226.1	1237.6	1166.5	1047.4	1010.9	834.1
37.5°	1331.8	1337.6	1393.3	1362.5	1310.7	1289.5	1316.4	1272.2	1168.4	1130.0	941.7
40°	1377.9	1383.7	1410.6	1404.8	1370.2	1337.6	1381.8	1364.5	1281.8	1249.2	1055.1
42.5°	1393.3	1395.2	1385.6	1424.0	1393.3	1374.1	1431.7	1443.3	1377.9	1354.9	1170.4
45°	1358.7	1372.2	1360.6	1404.8	1406.7	1401.0	1474.0	1508.6	1462.5	1439.4	1281.8
47.5°	1331.8	1337.6	1351.0	1420.2	1420.2	1408.7	1506.7	1558.6	1535.5	1518.2	1377.9
50°	1447.1	1429.8	1383.7	1477.9	1456.7	1449.0	1552.8	1612.4	1602.8	1587.4	1464.4
52.5°	1524.0	1495.1	1406.7	1491.3	1502.8	1508.6	1623.9	1683.5	1672.0	1656.6	1547.0
55°	1658.5	1614.3	1499.0	1522.1	1531.7	1550.9	1698.9	1770.0	1760.4	1741.1	1633.5
57.5°	1631.6	1585.5	1499.0	1527.8	1529.7	1558.6	1745.0	1844.9	1844.9	1829.5	1725.8
60°	1549.0	1502.8	1439.4	1470.2	1481.7	1531.7	1741.1	1883.3	1906.4	1894.9	1804.6
62°	1452.9	1420.2	1372.2	1397.1	1420.2	1485.5	1706.5	1871.8	1925.6	1921.8	1833.4
62.5°	1429.8	1399.1	1352.9	1377.9	1401.0	1472.1	1695.0	1864.1	1923.7	1923.7	1835.3
65°	1314.5	1297.2	1247.2	1279.9	1301.0	1376.0	1612.4	1798.8	1879.5	1893.0	1827.6
67.5°	1168.4	1176.1	1135.8	1164.6	1185.7	1258.8	1497.1	1687.3	1783.4	1806.5	1770.0
70°	1060.8	1055.1	1018.5	1037.8	1064.7	1135.8	1362.5	1541.3	1641.2	1668.1	1652.7
72.5°	945.5	943.6	891.7	901.3	932.1	1001.2	1206.9	1360.6	1458.6	1489.4	1500.9
75°	824.4	812.9	761.0	761.0	786.0	845.6	1035.8	1155.0	1254.9	1272.2	1297.2
77.5°	691.8	682.2	624.6	632.3	641.9	693.8	841.7	928.2	1010.9	1028.2	1047.4
80°	545.8	540.0	484.3	482.4	488.1	524.6	649.6	688.0	749.5	761.0	784.1
82.5°	382.4	374.7	332.5	324.8	324.8	347.8	428.6	445.9	467.0	474.7	484.3
85°	184.5	180.6	161.4	161.4	153.7	163.4	190.3	190.3	194.1	184.5	199.9
87.5°	5.8	5.8	5.8	5.8	3.8	3.8	3.8	3.8	3.8	3.8	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	276.7	276.7	276.7	276.7	276.7	276.7	276.7	276.7	276.7	276.7	276.7
2.5°	278.7	274.8	271.0	267.1	265.2	263.3	261.4	259.4	259.4	257.5	257.5
5°	278.7	274.8	269.0	263.3	257.5	253.7	251.8	247.9	246.0	244.1	246.0
7.5°	280.6	274.8	267.1	259.4	251.8	246.0	240.2	236.4	234.5	232.5	232.5
10°	284.4	276.7	265.2	255.6	247.9	238.3	232.5	226.8	224.8	222.9	222.9
12.5°	290.2	280.6	267.1	253.7	242.1	234.5	226.8	221.0	217.2	213.3	213.3
15°	299.8	286.3	269.0	253.7	240.2	230.6	221.0	213.3	205.6	203.7	203.7
17.5°	322.9	305.6	280.6	257.5	242.1	228.7	215.2	203.7	197.9	194.1	194.1
20°	351.7	330.5	297.9	265.2	244.1	224.8	211.4	197.9	190.3	186.4	186.4
22.5°	384.4	361.3	317.1	274.8	247.9	224.8	207.6	192.2	180.6	174.9	174.9
25°	434.3	397.8	338.2	288.3	253.7	224.8	203.7	186.4	173.0	167.2	167.2
27.5°	497.7	445.9	369.0	307.5	259.4	224.8	199.9	180.6	167.2	161.4	159.5
30°	565.0	501.6	399.7	326.7	267.1	224.8	196.0	173.0	157.6	151.8	151.8
32.5°	643.8	566.9	438.2	345.9	276.7	226.8	192.2	165.3	149.9	144.1	144.1
35°	728.4	641.9	478.5	365.1	286.3	226.8	186.4	159.5	144.1	136.4	136.4
37.5°	830.2	720.7	532.3	390.1	296.0	226.8	184.5	157.6	140.3	132.6	130.7
40°	939.8	814.8	588.1	417.0	307.5	232.5	184.5	155.7	138.4	130.7	128.8
42.5°	1047.4	920.5	655.3	449.7	326.7	240.2	186.4	155.7	136.4	126.8	124.9
45°	1153.1	1026.2	732.2	497.7	347.8	246.0	186.4	153.7	132.6	123.0	121.1
47.5°	1256.8	1131.9	822.5	551.6	367.1	253.7	186.4	151.8	128.8	119.2	119.2
50°	1354.9	1233.8	912.8	601.5	386.3	261.4	188.3	148.0	124.9	115.3	115.3
52.5°	1445.2	1326.0	997.4	653.4	409.3	269.0	188.3	146.1	121.1	111.5	111.5
55°	1527.8	1404.8	1074.3	701.5	432.4	276.7	188.3	142.2	117.2	107.6	107.6
57.5°	1608.5	1477.9	1131.9	743.7	453.5	284.4	188.3	138.4	113.4	103.8	101.9
60°	1683.5	1545.1	1174.2	778.3	472.8	288.3	184.5	132.6	107.6	98.0	98.0
62°	1723.8	1583.6	1199.2	799.5	484.3	288.3	180.6	128.8	103.8	94.2	94.2
62.5°	1729.6	1589.3	1205.0	803.3	486.2	288.3	178.7	126.8	103.8	94.2	92.2
65°	1729.6	1595.1	1216.5	812.9	488.1	284.4	173.0	119.2	96.1	86.5	86.5
67.5°	1683.5	1556.6	1199.2	803.3	478.5	272.9	161.4	109.5	88.4	78.8	78.8
70°	1583.6	1470.2	1141.5	770.6	455.5	255.6	148.0	99.9	78.8	71.1	69.2
72.5°	1433.7	1333.7	1035.8	707.2	417.0	230.6	132.6	88.4	69.2	61.5	61.5
75°	1235.7	1153.1	891.7	616.9	365.1	199.9	111.5	74.9	59.6	53.8	51.9
77.5°	997.4	922.5	713.0	499.7	299.8	165.3	92.2	61.5	50.0	44.2	44.2
80°	732.2	670.7	517.0	367.1	224.8	123.0	69.2	48.0	38.4	34.6	34.6
82.5°	442.0	422.8	322.9	228.7	142.2	80.7	48.0	32.7	26.9	25.0	25.0
85°	171.0	149.9	119.2	94.2	65.3	38.4	25.0	19.2	17.3	15.4	13.5
87.5°	1.9	5.8	7.7	9.6	11.5	9.6	7.7	5.8	7.7	7.7	7.7
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)