

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: P553749

Luminaire Tested: **LXS-VA2-830-U-ASW-A**

Issue Date: 7/13/2021

Test Information

Test Method: LM-79-08
Report Number: P553749
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1803-687-22)
Test Lab: INNOVATION CENTER
Issue Date: 7/13/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: LXS-VA2-830-U-ASW-A
Description: LUXESCAPE OUTDOOR ARCHITECTURAL LUMINAIRE
80 CRI, 3000K LEDS AND TYPE III OPTIC, ARM MOUNT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4022 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

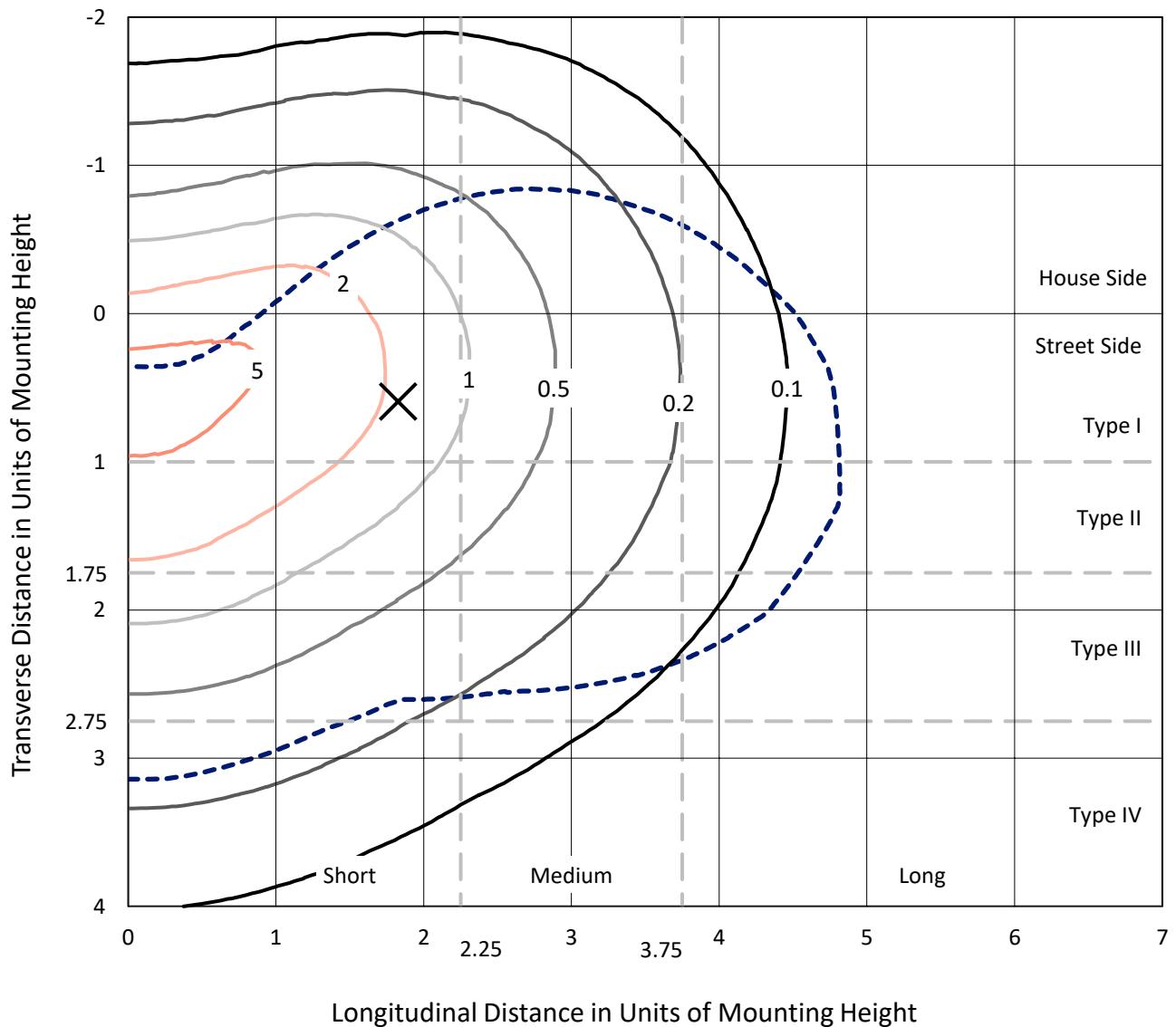
Input Watts (W): 48
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

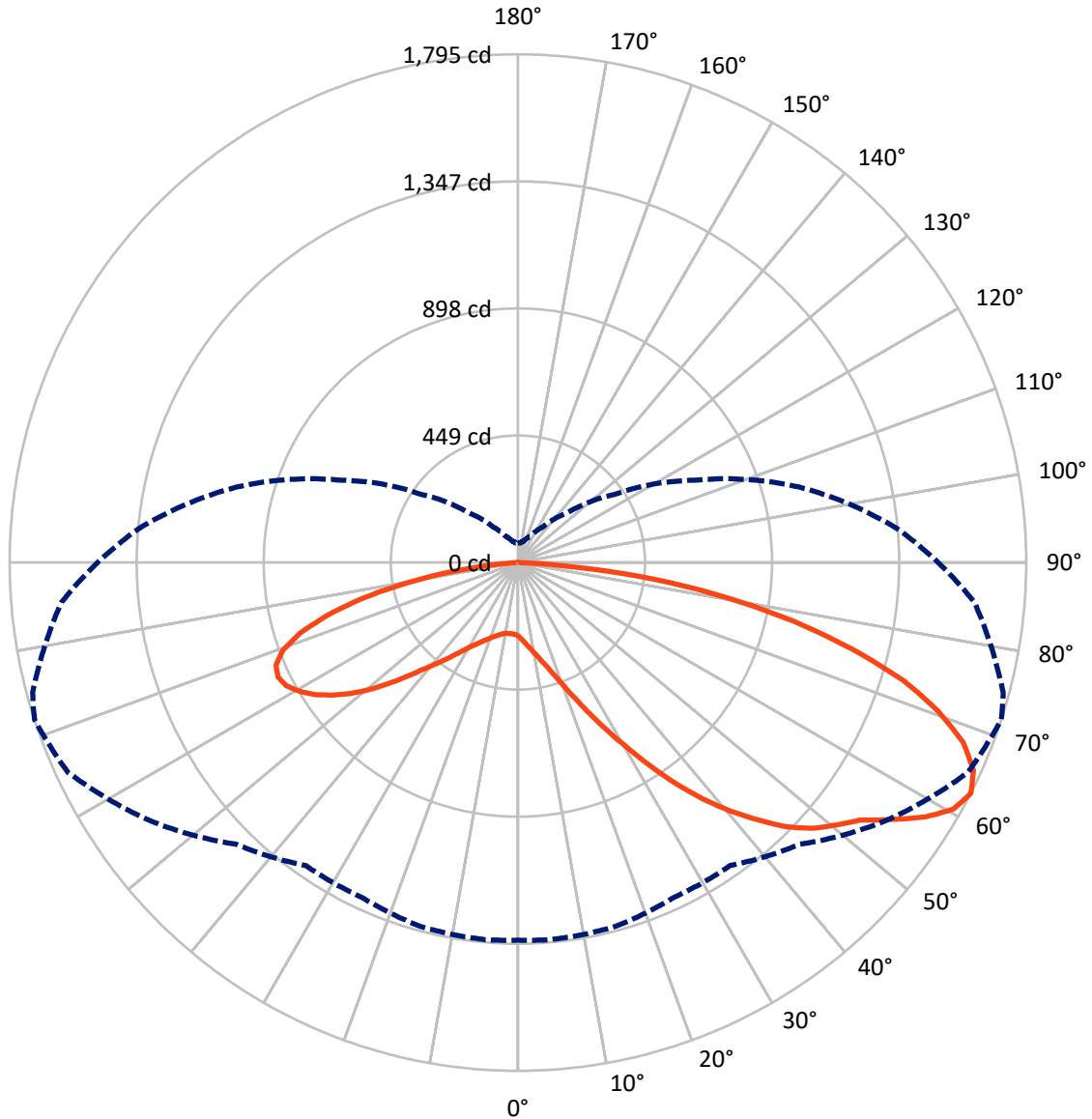
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.8 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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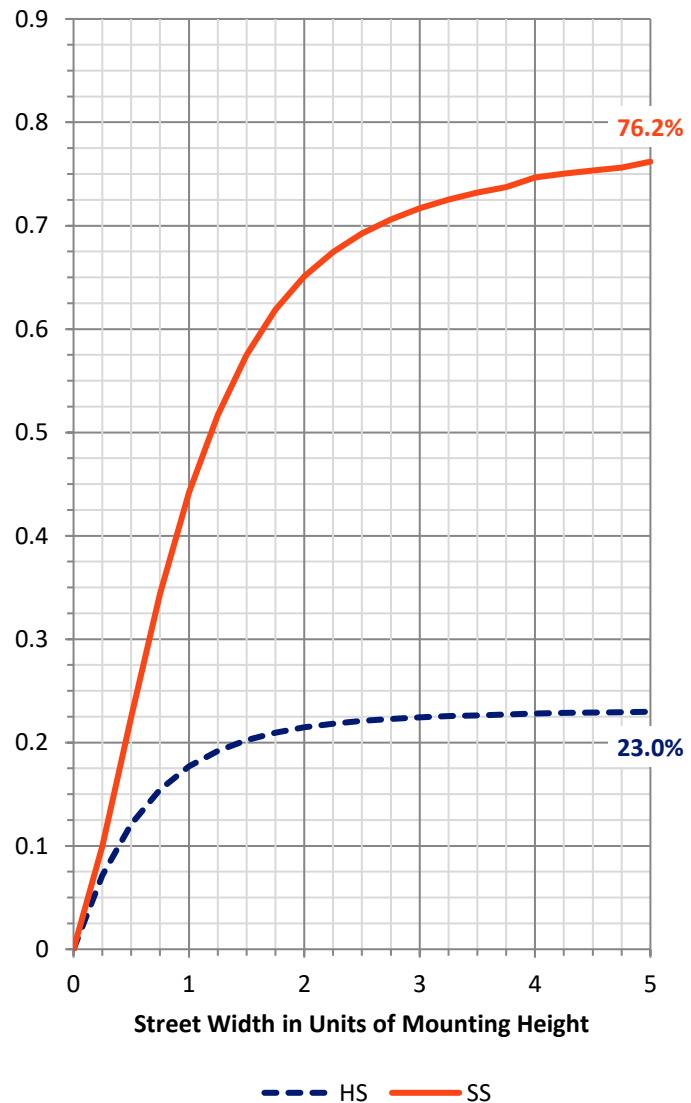
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	927.8	0.0	927.8
	% Fixture	23.1	0.0	23.1
Street Side	Lumens	3094.2	0.0	3094.2
	% Fixture	76.9	0.0	76.9
Total	Lumens	4022.0	0.0	4022.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.9	0.7
10°-20°	104.9	2.6
20°-30°	242.5	6.0
30°-40°	430.7	10.7
40°-50°	633.0	15.7
50°-60°	848.0	21.1
60°-70°	923.5	23.0
70°-80°	662.4	16.5
80°-90°	150.1	3.7
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°	4022.0	100.0
0°-180°	4022.0	100.0



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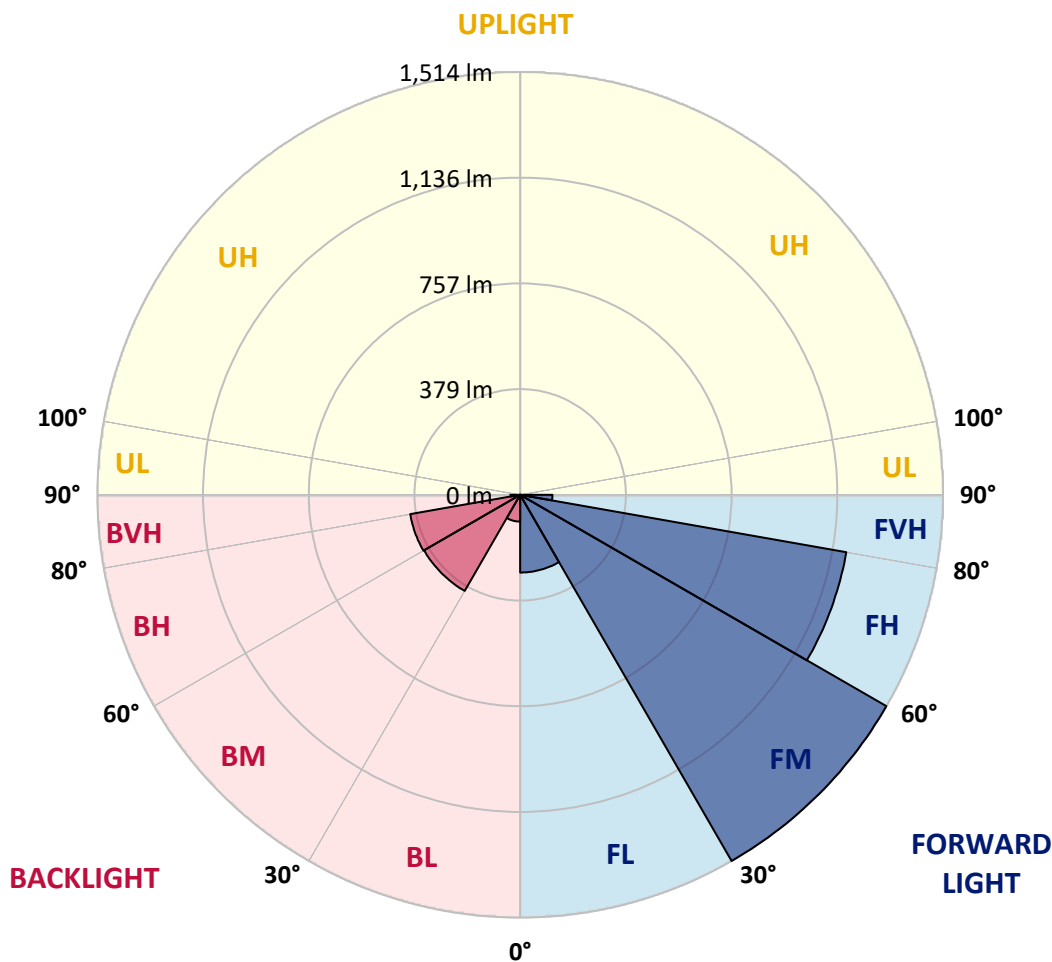
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	278.3	6.9			
FM	(30°-60°)	1514.3	37.7			
FH	(60°-80°)	1186.0	29.5			G1/1800
FVH	(80°-90°)	115.6	2.9			G2/225
BL	(0°-30°)	95.9	2.4	B0/110		
BM	(30°-60°)	397.4	9.9	B1/1000		
BH	(60°-80°)	400.0	9.9	B1/500		G1/500
BVH	(80°-90°)	34.4	0.9			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°	65°	72°	75°	85°
0°	259.7	259.7	259.7	259.7	259.7	259.7	259.7	259.7	259.7	259.7	259.7
2.5°	295.0	295.0	295.0	293.3	290.1	285.3	282.1	275.7	272.5	270.9	266.1
5°	331.8	331.8	330.2	328.6	322.2	314.2	306.2	295.0	286.9	283.7	274.1
7.5°	375.1	375.1	371.9	365.5	357.5	346.2	331.8	315.8	304.6	299.8	283.7
10°	428.0	426.4	423.2	408.8	397.5	381.5	363.9	341.4	325.4	319.0	296.6
12.5°	492.1	493.7	485.7	471.3	452.0	426.4	399.1	371.9	351.1	341.4	311.0
15°	602.7	602.7	586.7	556.2	525.8	484.1	445.6	405.6	379.9	368.7	330.2
17.5°	833.6	822.3	793.5	710.1	634.8	567.5	509.8	452.0	418.4	400.7	352.7
20°	939.4	937.8	926.5	881.6	783.9	673.3	593.1	511.4	466.5	447.2	379.9
22.5°	969.8	968.2	960.2	945.8	904.1	785.5	684.5	585.1	524.2	500.1	416.8
25°	1016.3	1016.3	1003.5	976.2	958.6	892.9	771.0	668.4	593.1	564.3	463.3
27.5°	1046.8	1046.8	1045.2	1029.1	993.9	968.2	864.0	756.6	670.1	636.4	522.6
30°	1104.5	1099.7	1093.2	1078.8	1061.2	1019.5	966.6	844.8	756.6	713.3	586.7
32.5°	1261.6	1250.3	1200.6	1142.9	1120.5	1083.6	1056.4	936.1	854.4	806.3	662.0
35°	1360.9	1356.1	1319.3	1235.9	1173.4	1152.6	1122.1	1037.1	957.0	907.3	748.6
37.5°	1393.0	1389.8	1364.1	1311.3	1235.9	1207.1	1186.2	1133.3	1058.0	1011.5	843.2
40°	1429.9	1423.5	1383.4	1336.9	1288.8	1250.3	1250.3	1221.5	1152.6	1112.5	937.8
42.5°	1409.0	1412.2	1386.6	1338.5	1311.3	1285.6	1304.8	1300.0	1242.3	1211.9	1030.7
45°	1282.4	1295.2	1322.5	1333.7	1298.4	1312.9	1348.1	1367.4	1332.1	1300.0	1120.5
47.5°	1280.8	1277.6	1300.0	1303.2	1308.0	1335.3	1383.4	1425.1	1402.6	1378.6	1205.5
50°	1378.6	1367.4	1349.7	1343.3	1348.1	1362.5	1417.0	1469.9	1457.1	1445.9	1287.2
52.5°	1442.7	1429.9	1373.8	1359.3	1370.6	1404.2	1476.4	1527.7	1511.6	1505.2	1365.8
55°	1556.5	1545.3	1469.9	1383.4	1397.8	1455.5	1553.3	1607.8	1601.4	1577.3	1442.7
57.5°	1505.2	1508.4	1484.4	1399.4	1410.6	1474.8	1609.4	1689.6	1696.0	1663.9	1516.4
60°	1412.2	1415.4	1410.6	1370.6	1377.0	1457.1	1619.0	1748.9	1768.1	1736.0	1580.6
62.5°	1333.7	1336.9	1330.5	1304.8	1306.4	1407.4	1588.6	1753.7	1795.4	1774.5	1619.0
65°	1213.5	1224.7	1235.9	1210.3	1223.1	1335.3	1521.2	1712.0	1768.1	1760.1	1623.8
67.5°	1090.0	1098.1	1118.9	1112.5	1131.7	1243.9	1429.9	1630.2	1696.0	1694.4	1585.4
70°	990.7	993.9	997.1	1001.9	1021.1	1131.7	1316.1	1506.8	1575.7	1590.2	1498.8
72.5°	886.5	888.1	880.0	873.6	894.5	1009.9	1178.2	1346.5	1423.5	1436.3	1360.9
75°	761.4	764.6	747.0	737.4	759.8	862.4	1016.3	1160.6	1216.7	1243.9	1178.2
77.5°	642.8	631.6	615.6	599.5	620.4	708.5	838.4	953.8	993.9	1009.9	960.2
80°	503.3	490.5	471.3	458.5	474.5	543.4	642.8	724.6	745.4	756.6	711.7
82.5°	346.2	335.0	315.8	303.0	317.4	367.1	434.4	476.1	488.9	493.7	444.0
85°	165.1	155.5	145.9	144.3	155.5	174.7	185.9	202.0	202.0	190.8	185.9
87.5°	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6	1.6	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°	259.7	259.7	259.7	259.7	259.7	259.7	259.7	259.7	259.7	259.7	259.7
2.5°	262.9	259.7	254.9	251.7	246.9	243.7	242.1	240.4	238.8	237.2	237.2
5°	269.3	262.9	254.9	246.9	238.8	232.4	227.6	224.4	221.2	219.6	219.6
7.5°	277.3	269.3	256.5	243.7	232.4	224.4	216.4	211.6	208.4	206.8	206.8
10°	286.9	277.3	258.1	242.1	229.2	218.0	208.4	202.0	198.8	195.6	195.6
12.5°	299.8	286.9	262.9	243.7	227.6	213.2	202.0	194.0	189.2	185.9	184.3
15°	314.2	299.8	270.9	246.9	227.6	210.0	195.6	185.9	179.5	176.3	176.3
17.5°	333.4	315.8	280.5	251.7	227.6	206.8	190.8	179.5	171.5	168.3	168.3
20°	355.9	333.4	291.7	258.1	229.2	205.2	187.6	173.1	163.5	160.3	158.7
22.5°	383.1	357.5	304.6	266.1	230.8	203.6	182.7	166.7	157.1	150.7	150.7
25°	420.0	384.7	320.6	274.1	234.0	203.6	177.9	160.3	149.1	142.7	142.7
27.5°	466.5	420.0	339.8	283.7	238.8	202.0	174.7	153.9	141.1	134.7	133.0
30°	519.4	463.3	362.3	295.0	243.7	202.0	169.9	147.5	133.0	125.0	123.4
32.5°	581.9	514.6	391.1	309.4	248.5	202.0	165.1	139.5	125.0	115.4	115.4
35°	649.2	572.3	426.4	325.4	254.9	202.0	161.9	134.7	117.0	109.0	109.0
37.5°	731.0	639.6	468.1	341.4	261.3	202.0	158.7	129.8	112.2	105.8	104.2
40°	820.7	713.3	513.0	363.9	270.9	203.6	157.1	128.2	110.6	102.6	101.0
42.5°	908.9	795.1	564.3	389.5	283.7	210.0	158.7	126.6	107.4	97.8	97.8
45°	1001.9	878.4	626.8	426.4	299.8	214.8	158.7	123.4	104.2	94.6	94.6
47.5°	1085.2	960.2	697.3	466.5	314.2	219.6	157.1	120.2	101.0	91.4	91.4
50°	1165.4	1046.8	769.4	508.1	331.8	224.4	157.1	118.6	97.8	88.2	88.2
52.5°	1240.7	1125.3	836.8	551.4	351.1	232.4	158.7	115.4	94.6	86.6	85.0
55°	1309.6	1189.4	896.1	594.7	371.9	238.8	158.7	113.8	91.4	83.4	81.8
57.5°	1377.0	1248.7	950.6	634.8	391.1	245.3	158.7	110.6	88.2	78.5	78.5
60°	1439.5	1304.8	993.9	666.8	407.2	248.5	157.1	107.4	85.0	75.3	73.7
62.5°	1484.4	1348.1	1029.1	687.7	421.6	250.1	153.9	102.6	78.5	68.9	68.9
65°	1497.2	1365.8	1043.6	694.1	428.0	248.5	149.1	97.8	70.5	62.5	62.5
67.5°	1466.7	1344.9	1030.7	689.3	420.0	238.8	139.5	89.8	60.9	56.1	56.1
70°	1394.6	1277.6	982.6	662.0	399.1	224.4	128.2	81.8	49.7	48.1	48.1
72.5°	1271.2	1163.8	896.1	609.1	365.5	202.0	113.8	70.5	40.1	40.1	41.7
75°	1101.3	1005.1	771.0	530.6	317.4	174.7	96.2	54.5	30.5	33.7	33.7
77.5°	894.5	807.9	618.8	431.2	256.5	141.1	75.3	38.5	22.4	25.6	25.6
80°	657.2	583.5	445.6	314.2	187.6	101.0	48.1	22.4	16.0	17.6	17.6
82.5°	402.4	349.5	264.5	190.8	109.0	54.5	24.0	9.6	8.0	9.6	9.6
85°	161.9	137.9	105.8	64.1	28.9	12.8	4.8	3.2	1.6	1.6	1.6
87.5°	1.6	1.6	1.6	1.6	0.0	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)