

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: P553750

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

Issue Date: 7/13/2021

Test Information

Test Method: LM-79-08
Report Number: P553750
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1803-687-23-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-ASW-C
Description: LUXESCAPE OUTDOOR ARCHITECTURAL LUMINAIRE
80 CRI, 3000K LEDS AND TYPE III OPTIC, CANTILEVER MOUNT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3833 lumens
Efficiency: N/A
Efficacy: 79.9 lumens/watt
Luminous Opening: Circular (Dia: 1.62' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

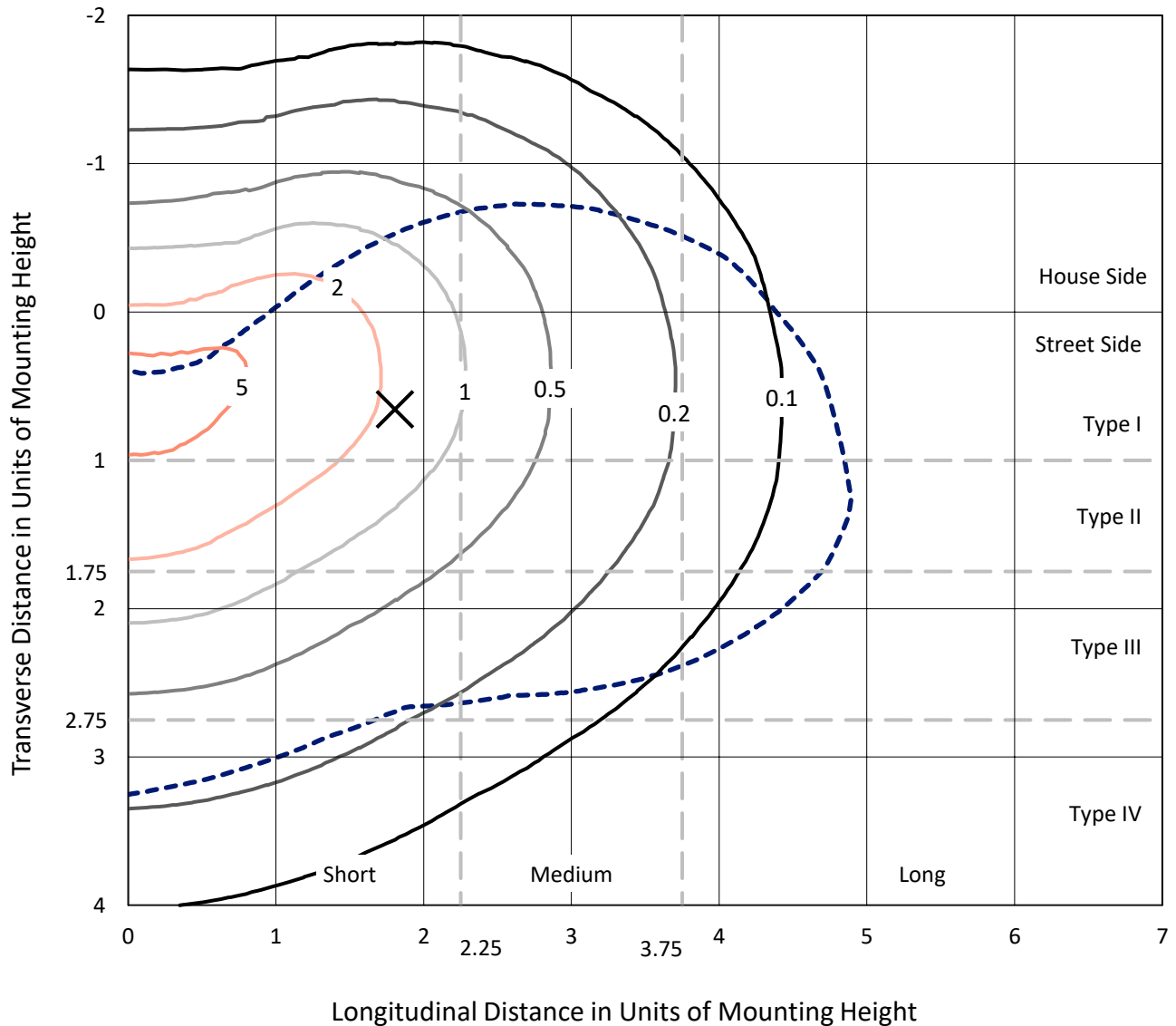
Input Watts (W): 48
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

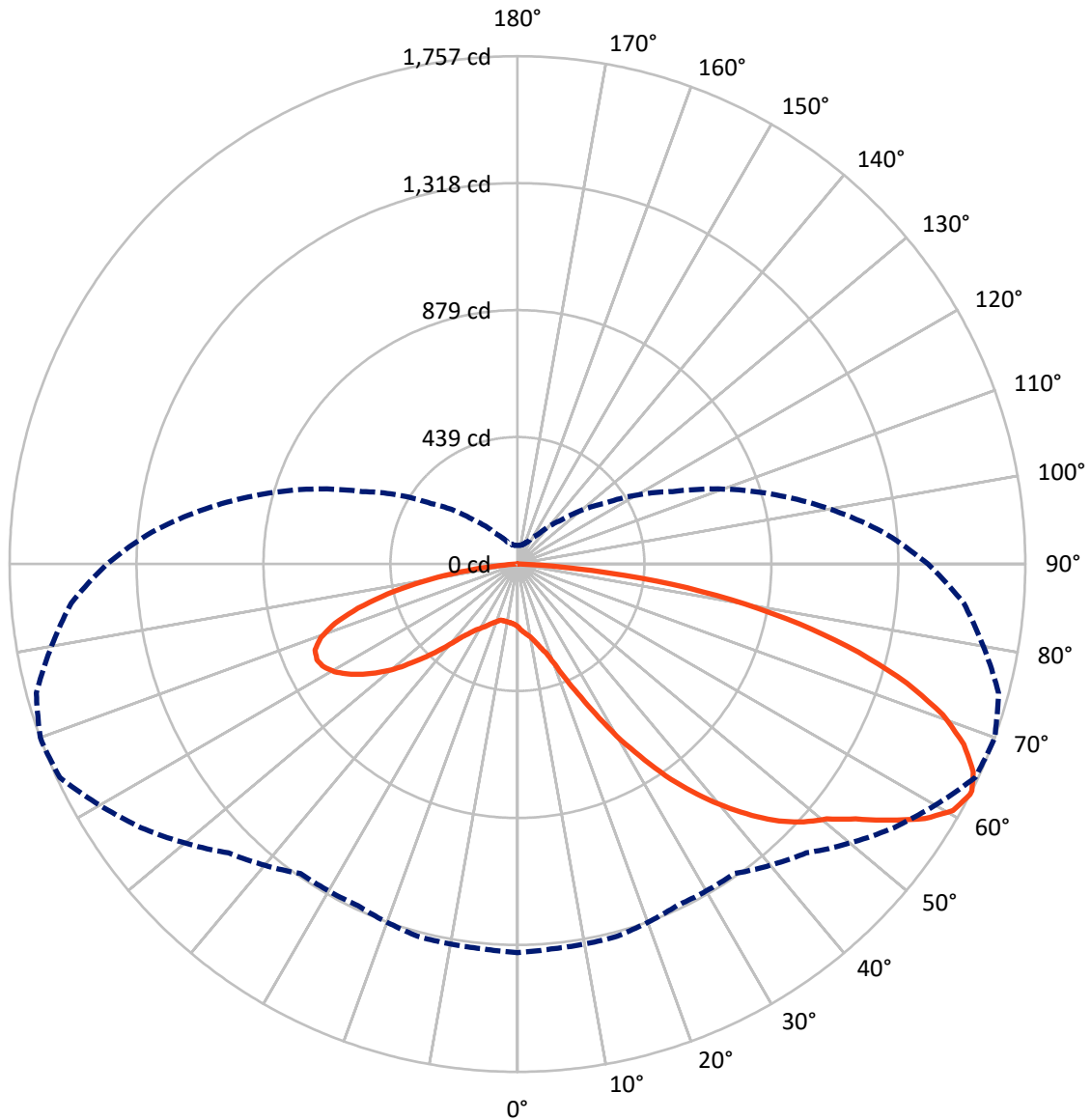
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.6 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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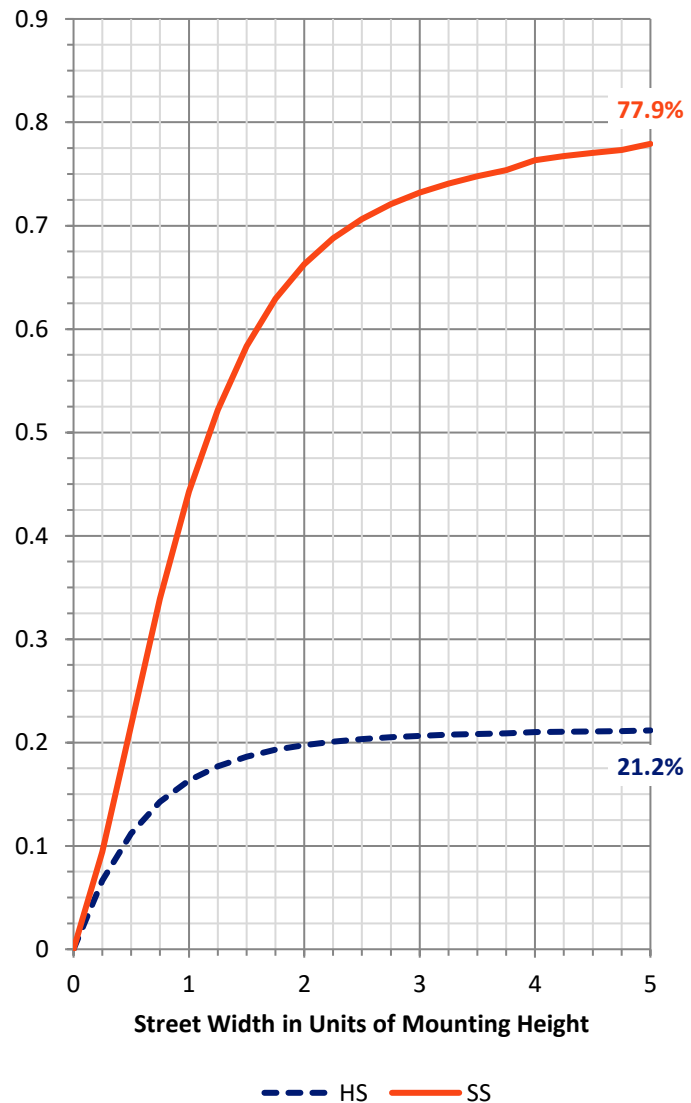
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	815.6	0.0	815.6
	% Fixture	21.3	0.0	21.3
Street Side	Lumens	3017.4	0.0	3017.4
	% Fixture	78.7	0.0	78.7
Total	Lumens	3833.0	0.0	3833.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.1	0.6
10°-20°	84.5	2.2
20°-30°	211.1	5.5
30°-40°	402.4	10.5
40°-50°	605.4	15.8
50°-60°	821.1	21.4
60°-70°	895.8	23.4
70°-80°	642.9	16.8
80°-90°	147.7	3.9
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°	3833.0	100.0
0°-180°	3833.0	100.0



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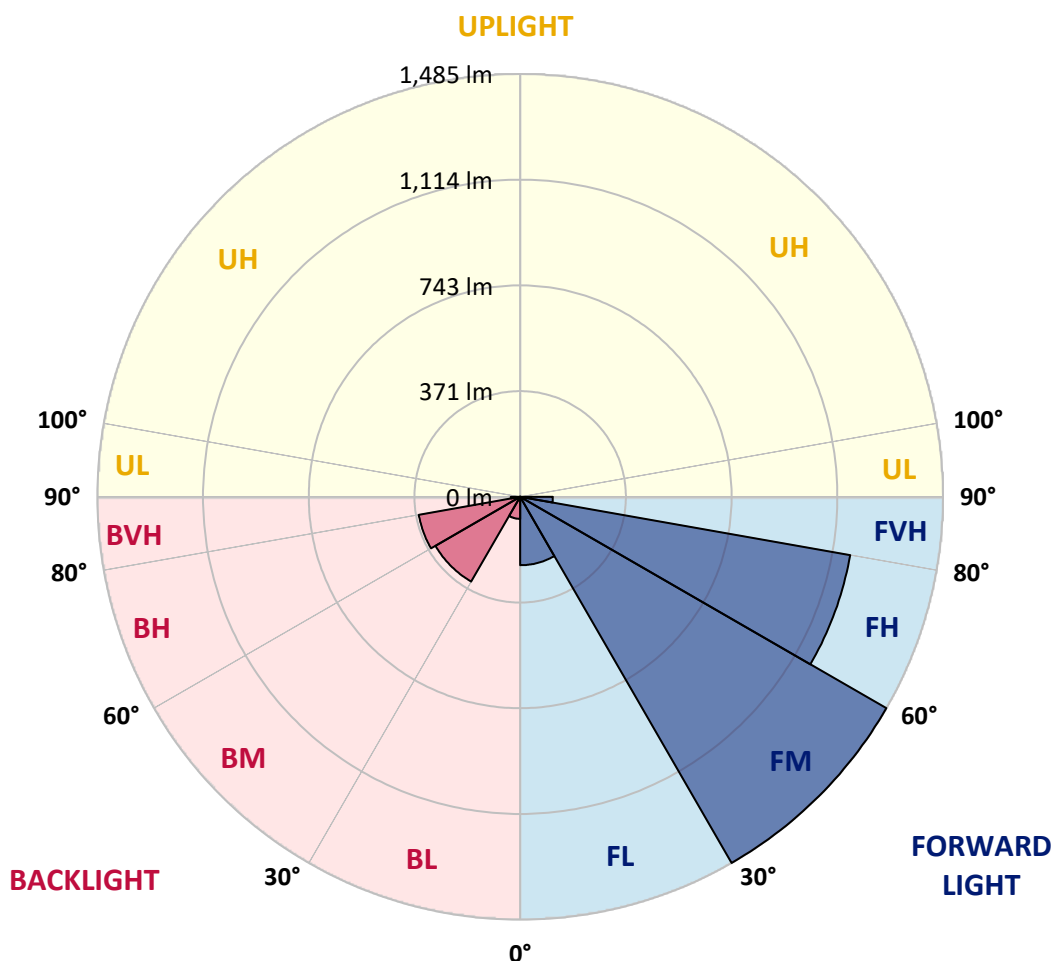
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	240.2	6.3			
FM	(30°-60°)	1485.1	38.7			
FH	(60°-80°)	1177.1	30.7			G1/1800
FVH	(80°-90°)	114.9	3.0			G2/225
BL	(0°-30°)	77.4	2.0	B0/110		
BM	(30°-60°)	343.8	9.0	B1/1000		
BH	(60°-80°)	361.6	9.4	B1/500		G1/500
BVH	(80°-90°)	32.8	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°	70°	75°	85°
0°	216.7	216.7	216.7	216.7	216.7	216.7	216.7	216.7	216.7	216.7	216.7
2.5°	245.6	245.6	243.9	242.3	240.7	239.1	234.3	229.5	227.9	226.3	221.5
5°	277.7	277.7	274.4	271.2	264.8	260.0	250.4	242.3	237.5	234.3	224.7
7.5°	316.2	314.6	309.8	301.7	290.5	279.3	266.4	253.6	247.2	240.7	229.5
10°	359.5	356.3	346.7	333.8	317.8	301.7	282.5	266.4	258.4	250.4	234.3
12.5°	423.7	418.9	398.0	378.8	353.1	329.0	308.1	287.3	276.0	264.8	242.3
15°	524.8	515.2	481.5	449.4	407.7	378.8	341.9	314.6	300.1	282.5	253.6
17.5°	730.2	719.0	653.2	574.6	500.7	452.6	388.4	343.5	324.2	301.7	263.2
20°	839.4	834.6	804.1	749.5	645.2	558.5	475.1	398.0	370.7	341.9	287.3
22.5°	882.7	879.5	858.6	836.2	784.8	678.9	573.0	475.1	436.5	394.8	321.0
25°	950.1	948.5	922.8	885.9	858.6	796.0	670.9	564.9	510.4	460.6	362.7
27.5°	996.7	999.9	991.8	966.2	910.0	877.9	772.0	662.8	603.5	539.3	414.1
30°	1097.8	1091.4	1070.5	1044.8	999.9	942.1	882.7	765.6	707.8	630.7	489.5
32.5°	1282.3	1266.3	1197.3	1129.9	1076.9	1009.5	974.2	861.8	807.3	728.6	571.4
35°	1362.6	1362.6	1327.3	1235.8	1149.1	1096.2	1044.8	961.4	914.8	834.6	666.0
37.5°	1396.3	1396.3	1369.0	1319.3	1227.8	1166.8	1112.2	1057.6	1011.1	942.1	763.9
40°	1438.0	1430.0	1389.9	1343.3	1287.2	1224.6	1190.9	1145.9	1102.6	1046.4	860.2
42.5°	1407.5	1412.3	1391.5	1344.9	1316.0	1274.3	1258.3	1224.6	1189.3	1141.1	954.9
45°	1287.2	1295.2	1328.9	1336.9	1304.8	1308.0	1316.0	1295.2	1269.5	1229.4	1049.6
47.5°	1295.2	1295.2	1309.6	1312.8	1317.6	1336.9	1364.2	1362.6	1333.7	1308.0	1131.5
50°	1394.7	1385.1	1359.4	1354.6	1357.8	1365.8	1409.1	1418.8	1386.7	1372.2	1216.5
52.5°	1455.7	1442.8	1385.1	1369.0	1380.2	1412.3	1478.1	1487.8	1465.3	1430.0	1293.6
55°	1564.8	1556.8	1481.4	1394.7	1405.9	1463.7	1558.4	1579.3	1564.8	1502.2	1373.8
57.5°	1516.7	1508.6	1492.6	1407.5	1418.8	1483.0	1614.6	1672.3	1662.7	1598.5	1446.0
60°	1423.6	1418.8	1418.8	1373.8	1383.5	1463.7	1625.8	1736.5	1731.7	1680.4	1510.2
62.5°	1344.9	1336.9	1333.7	1304.8	1308.0	1413.9	1590.5	1747.8	1757.4	1723.7	1550.4
63°	1325.7	1317.6	1317.6	1287.2	1292.0	1401.1	1579.3	1744.6	1757.4	1726.9	1553.6
65°	1226.2	1223.0	1239.0	1213.3	1226.2	1340.1	1523.1	1710.9	1733.3	1718.9	1556.8
67.5°	1101.0	1096.2	1125.1	1109.0	1133.1	1247.0	1430.0	1629.0	1665.9	1659.5	1521.5
70°	999.9	991.8	998.3	1001.5	1022.3	1134.7	1314.4	1503.8	1561.6	1564.8	1436.4
72.5°	895.6	885.9	874.7	873.1	895.6	1003.1	1173.2	1343.3	1409.1	1417.2	1308.0
75°	770.4	760.7	747.9	741.5	760.7	857.0	1011.1	1157.2	1219.7	1229.4	1134.7
77.5°	637.2	632.3	614.7	605.1	619.5	699.7	831.4	948.5	998.3	1009.5	924.4
80°	497.5	491.1	470.2	455.8	470.2	534.4	632.3	719.0	751.1	760.7	683.7
82.5°	340.2	341.9	314.6	303.3	313.0	357.9	420.5	471.8	487.9	487.9	439.8
85°	154.1	160.5	147.7	144.4	147.7	162.1	191.0	200.6	200.6	203.8	181.4
87.5°	6.4	6.4	6.4	6.4	4.8	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°	216.7	216.7	216.7	216.7	216.7	216.7	216.7	216.7	216.7	216.7	216.7
2.5°	218.3	216.7	211.9	208.6	205.4	203.8	200.6	199.0	199.0	197.4	199.0
5°	219.9	216.7	210.2	203.8	197.4	194.2	189.4	186.2	184.6	184.6	184.6
7.5°	223.1	218.3	208.6	200.6	192.6	186.2	181.4	178.1	174.9	173.3	173.3
10°	227.9	221.5	208.6	197.4	187.8	181.4	174.9	170.1	166.9	165.3	165.3
12.5°	232.7	224.7	208.6	195.8	186.2	176.5	170.1	163.7	160.5	157.3	157.3
15°	240.7	229.5	210.2	194.2	183.0	171.7	163.7	157.3	152.5	150.9	150.9
17.5°	248.8	235.9	211.9	194.2	181.4	168.5	158.9	150.9	146.0	144.4	144.4
20°	268.0	252.0	221.5	199.0	181.4	166.9	155.7	146.0	139.6	136.4	136.4
22.5°	292.1	271.2	232.7	205.4	183.0	165.3	152.5	141.2	134.8	130.0	130.0
25°	325.8	295.3	245.6	211.9	184.6	165.3	149.3	136.4	128.4	123.6	123.6
27.5°	361.1	324.2	263.2	219.9	189.4	165.3	146.0	131.6	122.0	117.2	117.2
30°	415.7	359.5	279.3	229.5	194.2	163.7	142.8	126.8	115.6	109.1	109.1
32.5°	484.7	415.7	296.9	240.7	197.4	165.3	139.6	120.4	109.1	102.7	102.7
35°	558.5	476.7	329.0	248.8	202.2	163.7	134.8	115.6	102.7	97.9	96.3
37.5°	651.6	550.5	369.1	260.0	207.0	163.7	133.2	110.7	99.5	93.1	93.1
40°	739.9	633.9	422.1	282.5	210.2	165.3	131.6	109.1	97.9	91.5	89.9
42.5°	831.4	712.6	484.7	313.0	216.7	170.1	131.6	107.5	94.7	88.3	88.3
45°	922.8	792.8	545.7	351.5	232.7	173.3	131.6	105.9	91.5	86.7	85.1
47.5°	1007.9	879.5	609.9	393.2	252.0	174.9	131.6	102.7	88.3	83.5	81.9
50°	1089.7	959.7	677.3	441.4	271.2	174.9	131.6	101.1	86.7	80.2	80.2
52.5°	1168.4	1040.0	738.3	481.5	293.7	186.2	130.0	99.5	83.5	78.6	77.0
55°	1239.0	1105.8	796.0	518.4	316.2	195.8	130.0	96.3	80.2	75.4	73.8
57.5°	1309.6	1165.2	847.4	550.5	338.6	205.4	128.4	94.7	77.0	72.2	72.2
60°	1375.4	1224.6	892.3	576.2	354.7	211.9	125.2	89.9	73.8	69.0	67.4
62.5°	1420.4	1269.5	924.4	592.2	364.3	215.1	125.2	85.1	69.0	64.2	64.2
63°	1426.8	1277.5	929.3	593.8	365.9	216.7	125.2	85.1	69.0	64.2	62.6
65°	1431.6	1292.0	940.5	597.0	367.5	216.7	122.0	80.2	64.2	59.4	59.4
67.5°	1404.3	1277.5	930.9	590.6	359.5	210.2	117.2	72.2	57.8	53.0	53.0
70°	1333.7	1216.5	887.5	564.9	341.9	197.4	109.1	64.2	51.4	46.5	46.5
72.5°	1211.7	1110.6	810.5	516.8	311.4	179.8	97.9	56.2	44.9	41.7	40.1
75°	1048.0	961.4	698.1	447.8	268.0	154.1	85.1	48.1	36.9	33.7	33.7
77.5°	847.4	786.4	561.7	359.5	216.7	125.2	69.0	40.1	28.9	27.3	27.3
80°	622.7	574.6	404.4	261.6	155.7	91.5	51.4	30.5	19.3	19.3	19.3
82.5°	380.4	353.1	243.9	157.3	91.5	54.6	32.1	19.3	12.8	11.2	11.2
85°	149.3	144.4	94.7	53.0	27.3	17.7	12.8	8.0	6.4	4.8	3.2
87.5°	1.6	1.6	3.2	1.6	1.6	1.6	1.6	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)