

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: P553725

Luminaire Tested: **LXS-VA2-730-U-ASW-A**

Issue Date: 7/13/2021

Test Information

Test Method: LM-79-08
Report Number: P553725
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-VA2-730-U-ASW-A
Description: LUXESCAPE OUTDOOR ARCHITECTURAL LUMINAIRE
70 CRI, 3000K LEDS AND TYPE III OPTIC, ARM MOUNT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4458 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

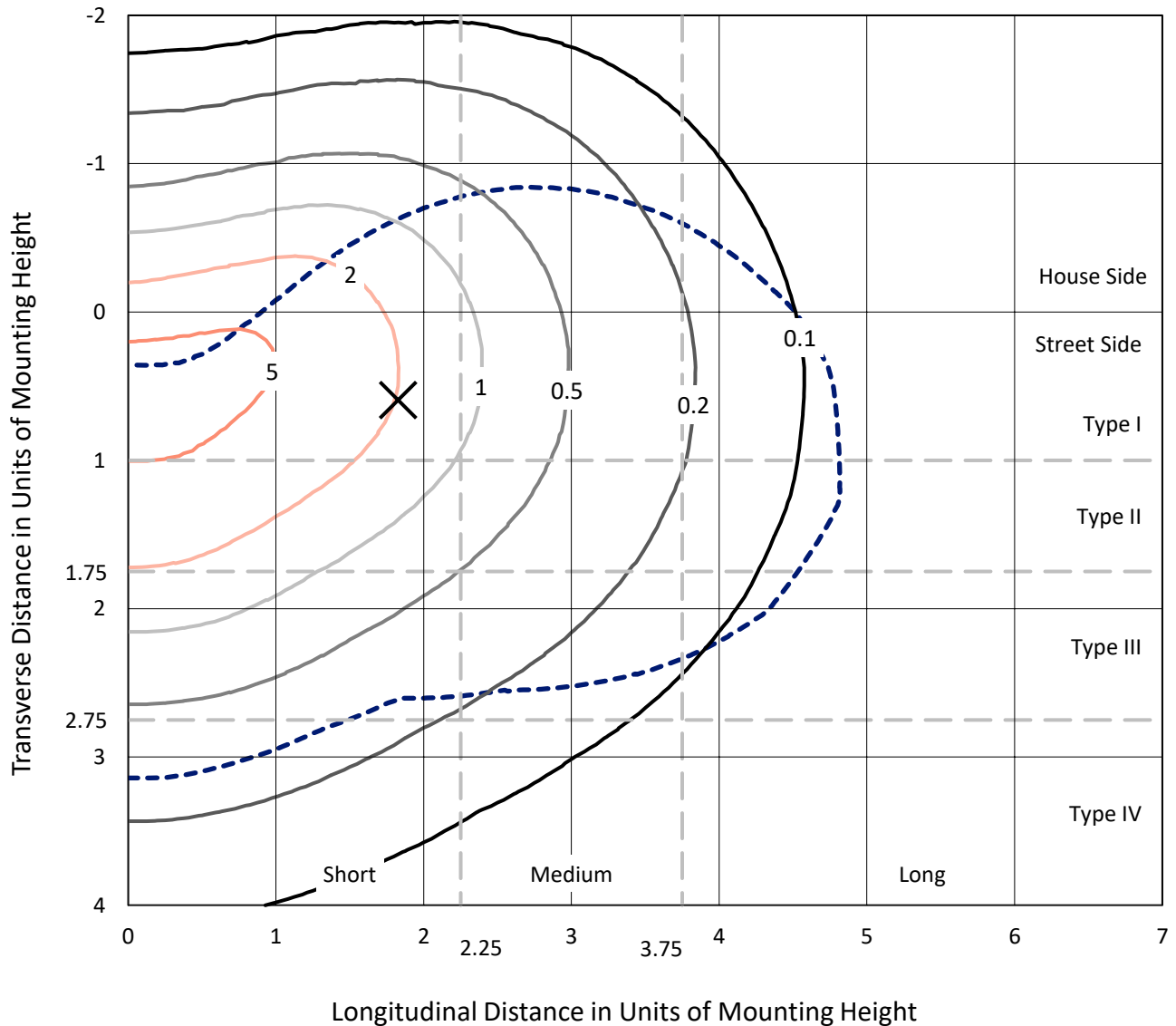
Input Watts (W): 48
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

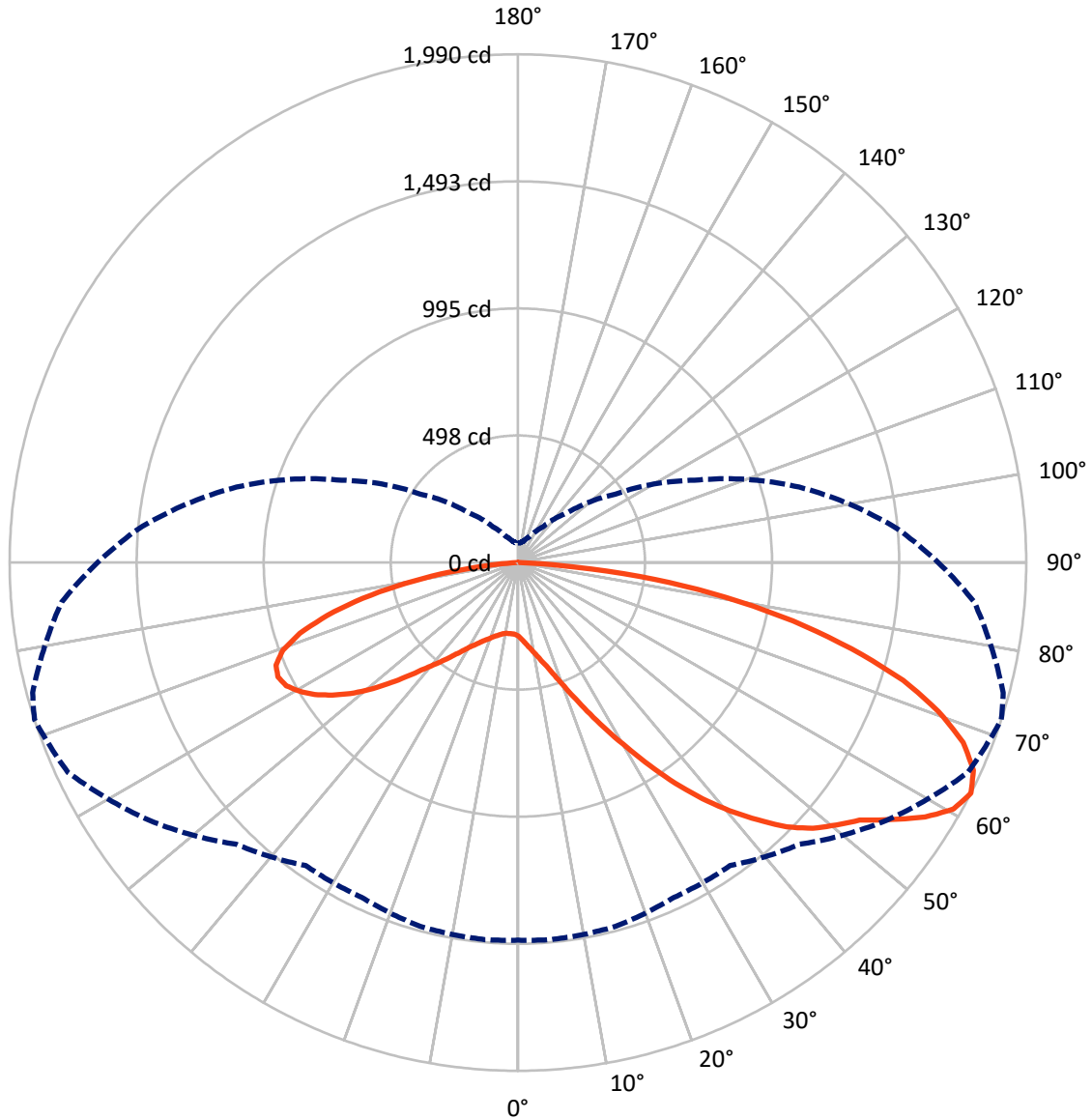
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.6 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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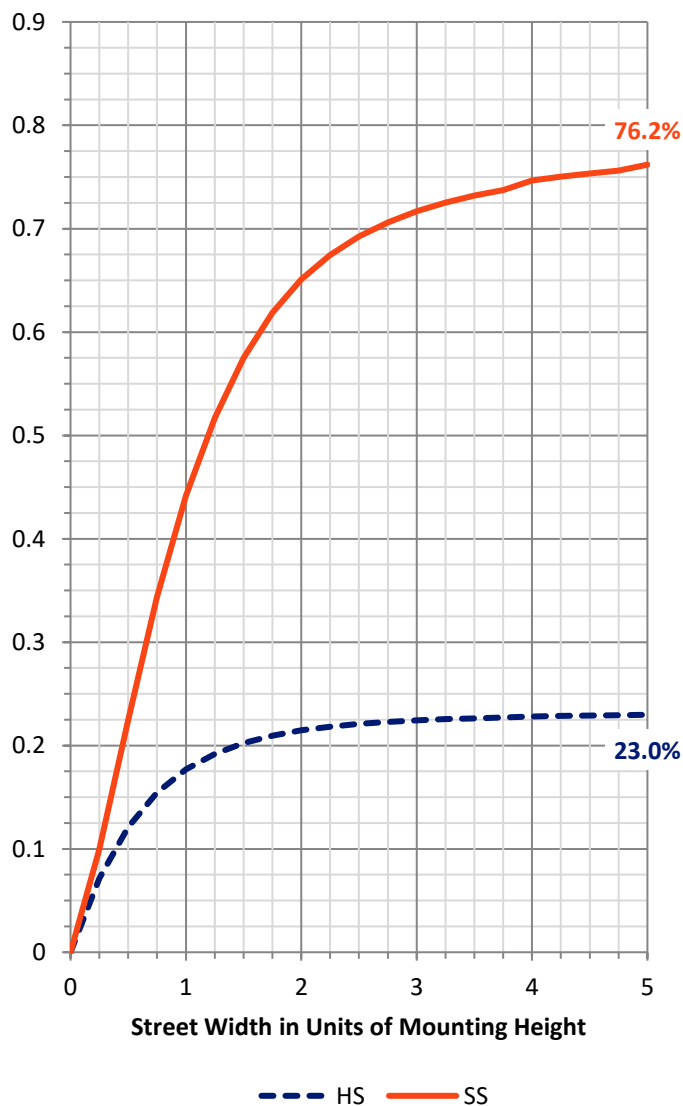
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1028.3	0.0	1028.3
	% Fixture	23.1	0.0	23.1
Street Side	Lumens	3429.7	0.0	3429.7
	% Fixture	76.9	0.0	76.9
Total	Lumens	4458.0	0.0	4458.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.8	0.7
10°-20°	116.2	2.6
20°-30°	268.8	6.0
30°-40°	477.4	10.7
40°-50°	701.6	15.7
50°-60°	940.0	21.1
60°-70°	1023.6	23.0
70°-80°	734.2	16.5
80°-90°	166.3	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°	4458.0	100.0
0°-180°	4458.0	100.0

Coefficient of Utilization



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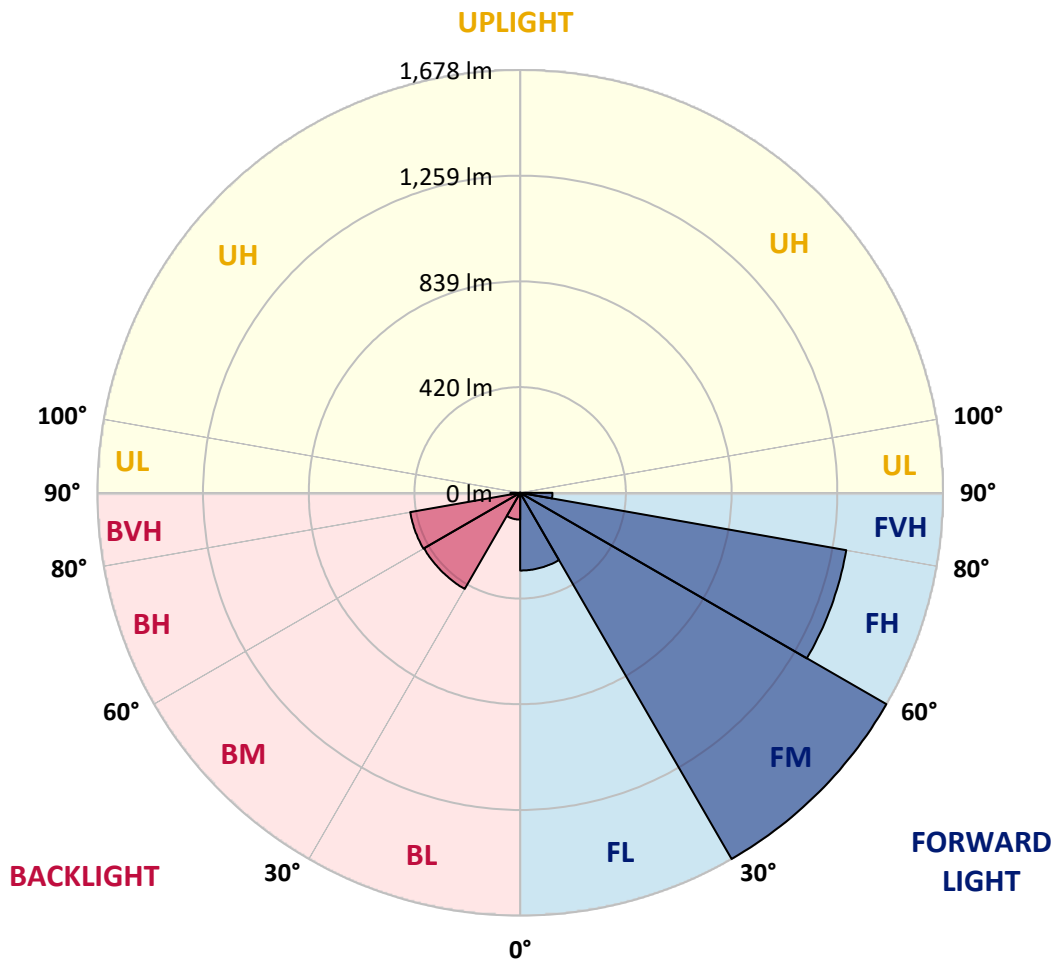
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	308.5	6.9			
FM	(30°-60°)	1678.5	37.7			
FH	(60°-80°)	1314.5	29.5			G1/1800
FVH	(80°-90°)	128.2	2.9			G2/225
BL	(0°-30°)	106.4	2.4	B0/110		
BM	(30°-60°)	440.5	9.9	B1/1000		
BH	(60°-80°)	443.3	9.9	B1/500		G1/500
BVH	(80°-90°)	38.2	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°	287.8	287.8	287.8	287.8	287.8	287.8	287.8	287.8	287.8	287.8	287.8
2.5°	326.9	326.9	326.9	325.1	321.6	316.3	312.7	305.6	302.1	300.3	294.9
5°	367.8	367.8	366.0	364.2	357.1	348.2	339.4	326.9	318.0	314.5	303.8
7.5°	415.8	415.8	412.2	405.1	396.2	383.8	367.8	350.0	337.6	332.3	314.5
10°	474.4	472.6	469.1	453.1	440.6	422.9	403.3	378.5	360.7	353.6	328.7
12.5°	545.5	547.2	538.4	522.4	501.0	472.6	442.4	412.2	389.1	378.5	344.7
15°	668.1	668.1	650.3	616.5	582.8	536.6	493.9	449.5	421.1	408.7	366.0
17.5°	923.9	911.5	879.5	787.1	703.6	629.0	565.0	501.0	463.7	444.2	390.9
20°	1041.2	1039.4	1027.0	977.2	868.8	746.2	657.4	566.8	517.0	495.7	421.1
22.5°	1074.9	1073.2	1064.3	1048.3	1002.1	870.6	758.7	648.5	581.0	554.4	462.0
25°	1126.5	1126.5	1112.3	1082.1	1062.5	989.7	854.6	740.9	657.4	625.4	513.5
27.5°	1160.2	1160.2	1158.5	1140.7	1101.6	1073.2	957.7	838.6	742.7	705.4	579.2
30°	1224.2	1218.9	1211.8	1195.8	1176.2	1130.0	1071.4	936.4	838.6	790.7	650.3
32.5°	1398.3	1385.9	1330.8	1266.8	1242.0	1201.1	1170.9	1037.6	947.0	893.7	733.8
35°	1508.5	1503.1	1462.3	1369.9	1300.6	1277.5	1243.7	1149.6	1060.7	1005.7	829.8
37.5°	1544.0	1540.5	1512.0	1453.4	1369.9	1337.9	1314.8	1256.2	1172.7	1121.1	934.6
40°	1584.9	1577.8	1533.4	1481.8	1428.5	1385.9	1385.9	1353.9	1277.5	1233.1	1039.4
42.5°	1561.8	1565.3	1536.9	1483.6	1453.4	1425.0	1446.3	1441.0	1377.0	1343.2	1142.5
45°	1421.4	1435.6	1465.8	1478.3	1439.2	1455.2	1494.3	1515.6	1476.5	1441.0	1242.0
47.5°	1419.6	1416.1	1441.0	1444.5	1449.8	1480.0	1533.4	1579.5	1554.7	1528.0	1336.1
50°	1528.0	1515.6	1496.0	1488.9	1494.3	1510.3	1570.7	1629.3	1615.1	1602.6	1426.7
52.5°	1599.1	1584.9	1522.7	1506.7	1519.1	1556.4	1636.4	1693.3	1675.5	1668.4	1513.8
55°	1725.2	1712.8	1629.3	1533.4	1549.3	1613.3	1721.7	1782.1	1775.0	1748.3	1599.1
57.5°	1668.4	1671.9	1645.3	1551.1	1563.6	1634.6	1783.9	1872.7	1879.8	1844.3	1680.8
60°	1565.3	1568.9	1563.6	1519.1	1526.2	1615.1	1794.5	1938.5	1959.8	1924.2	1751.9
62.5°	1478.3	1481.8	1474.7	1446.3	1448.1	1560.0	1760.8	1943.8	1990.0	1966.9	1794.5
65°	1345.0	1357.5	1369.9	1341.5	1355.7	1480.0	1686.2	1897.6	1959.8	1950.9	1799.9
67.5°	1208.2	1217.1	1240.2	1233.1	1254.4	1378.8	1584.9	1807.0	1879.8	1878.0	1757.2
70°	1098.0	1101.6	1105.1	1110.5	1131.8	1254.4	1458.7	1670.2	1746.6	1762.6	1661.3
72.5°	982.6	984.3	975.4	968.3	991.4	1119.4	1305.9	1492.5	1577.8	1592.0	1508.5
75°	844.0	847.5	828.0	817.3	842.2	955.9	1126.5	1286.4	1348.6	1378.8	1305.9
77.5°	712.5	700.0	682.3	664.5	687.6	785.3	929.2	1057.2	1101.6	1119.4	1064.3
80°	557.9	543.7	522.4	508.2	525.9	602.3	712.5	803.1	826.2	838.6	788.9
82.5°	383.8	371.3	350.0	335.8	351.8	406.9	481.5	527.7	541.9	547.2	492.2
85°	183.0	172.3	161.7	159.9	172.3	193.7	206.1	223.9	223.9	211.4	206.1
87.5°	0.0	0.0	0.0	0.0	0.0	1.8	1.8	1.8	1.8	1.8	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°	287.8	287.8	287.8	287.8	287.8	287.8	287.8	287.8	287.8	287.8	287.8
2.5°	291.4	287.8	282.5	279.0	273.6	270.1	268.3	266.5	264.7	263.0	263.0
5°	298.5	291.4	282.5	273.6	264.7	257.6	252.3	248.7	245.2	243.4	243.4
7.5°	307.4	298.5	284.3	270.1	257.6	248.7	239.9	234.5	231.0	229.2	229.2
10°	318.0	307.4	286.1	268.3	254.1	241.6	231.0	223.9	220.3	216.8	216.8
12.5°	332.3	318.0	291.4	270.1	252.3	236.3	223.9	215.0	209.7	206.1	204.3
15°	348.2	332.3	300.3	273.6	252.3	232.8	216.8	206.1	199.0	195.4	195.4
17.5°	369.6	350.0	310.9	279.0	252.3	229.2	211.4	199.0	190.1	186.6	186.6
20°	394.4	369.6	323.4	286.1	254.1	227.4	207.9	191.9	181.2	177.7	175.9
22.5°	424.6	396.2	337.6	294.9	255.9	225.6	202.6	184.8	174.1	167.0	167.0
25°	465.5	426.4	355.4	303.8	259.4	225.6	197.2	177.7	165.2	158.1	158.1
27.5°	517.0	465.5	376.7	314.5	264.7	223.9	193.7	170.6	156.4	149.2	147.5
30°	575.7	513.5	401.5	326.9	270.1	223.9	188.3	163.5	147.5	138.6	136.8
32.5°	645.0	570.3	433.5	342.9	275.4	223.9	183.0	154.6	138.6	127.9	127.9
35°	719.6	634.3	472.6	360.7	282.5	223.9	179.5	149.2	129.7	120.8	120.8
37.5°	810.2	708.9	518.8	378.5	289.6	223.9	175.9	143.9	124.4	117.3	115.5
40°	909.7	790.7	568.6	403.3	300.3	225.6	174.1	142.1	122.6	113.7	111.9
42.5°	1007.4	881.3	625.4	431.8	314.5	232.8	175.9	140.4	119.0	108.4	108.4
45°	1110.5	973.7	694.7	472.6	332.3	238.1	175.9	136.8	115.5	104.8	104.8
47.5°	1202.9	1064.3	772.9	517.0	348.2	243.4	174.1	133.3	111.9	101.3	101.3
50°	1291.7	1160.2	852.8	563.2	367.8	248.7	174.1	131.5	108.4	97.7	97.7
52.5°	1375.2	1247.3	927.5	611.2	389.1	257.6	175.9	127.9	104.8	95.9	94.2
55°	1451.6	1318.4	993.2	659.2	412.2	264.7	175.9	126.2	101.3	92.4	90.6
57.5°	1526.2	1384.1	1053.6	703.6	433.5	271.8	175.9	122.6	97.7	87.1	87.1
60°	1595.5	1446.3	1101.6	739.1	451.3	275.4	174.1	119.0	94.2	83.5	81.7
62.5°	1645.3	1494.3	1140.7	762.2	467.3	277.2	170.6	113.7	87.1	76.4	76.4
65°	1659.5	1513.8	1156.7	769.3	474.4	275.4	165.2	108.4	78.2	69.3	69.3
67.5°	1625.7	1490.7	1142.5	764.0	465.5	264.7	154.6	99.5	67.5	62.2	62.2
70°	1545.8	1416.1	1089.2	733.8	442.4	248.7	142.1	90.6	55.1	53.3	53.3
72.5°	1409.0	1289.9	993.2	675.2	405.1	223.9	126.2	78.2	44.4	44.4	46.2
75°	1220.6	1114.0	854.6	588.1	351.8	193.7	106.6	60.4	33.8	37.3	37.3
77.5°	991.4	895.5	685.8	478.0	284.3	156.4	83.5	42.6	24.9	28.4	28.4
80°	728.5	646.7	493.9	348.2	207.9	111.9	53.3	24.9	17.8	19.5	19.5
82.5°	446.0	387.3	293.2	211.4	120.8	60.4	26.7	10.7	8.9	10.7	10.7
85°	179.5	152.8	117.3	71.1	32.0	14.2	5.3	3.6	1.8	1.8	1.8
87.5°	1.8	1.8	1.8	1.8	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)