

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: P553655

Luminaire Tested: **ARB-B2-LED-D1-T3-7030**

Issue Date: 7/12/2021

Test Information

Test Method: LM-79-08
Report Number: P553655
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34666)
Test Lab: INNOVATION CENTER
Issue Date: 7/12/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: ARB-B2-LED-D1-T3-7030
Description: ARBOR OUTDOOR ARCHITECTURAL POST TOP
70 CRI, 3000K LEDS AND TYPE III OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4197 lumens
Efficiency: N/A
Efficacy: 87.4 lumens/watt
Luminous Opening: Circular (Dia: 1.62' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

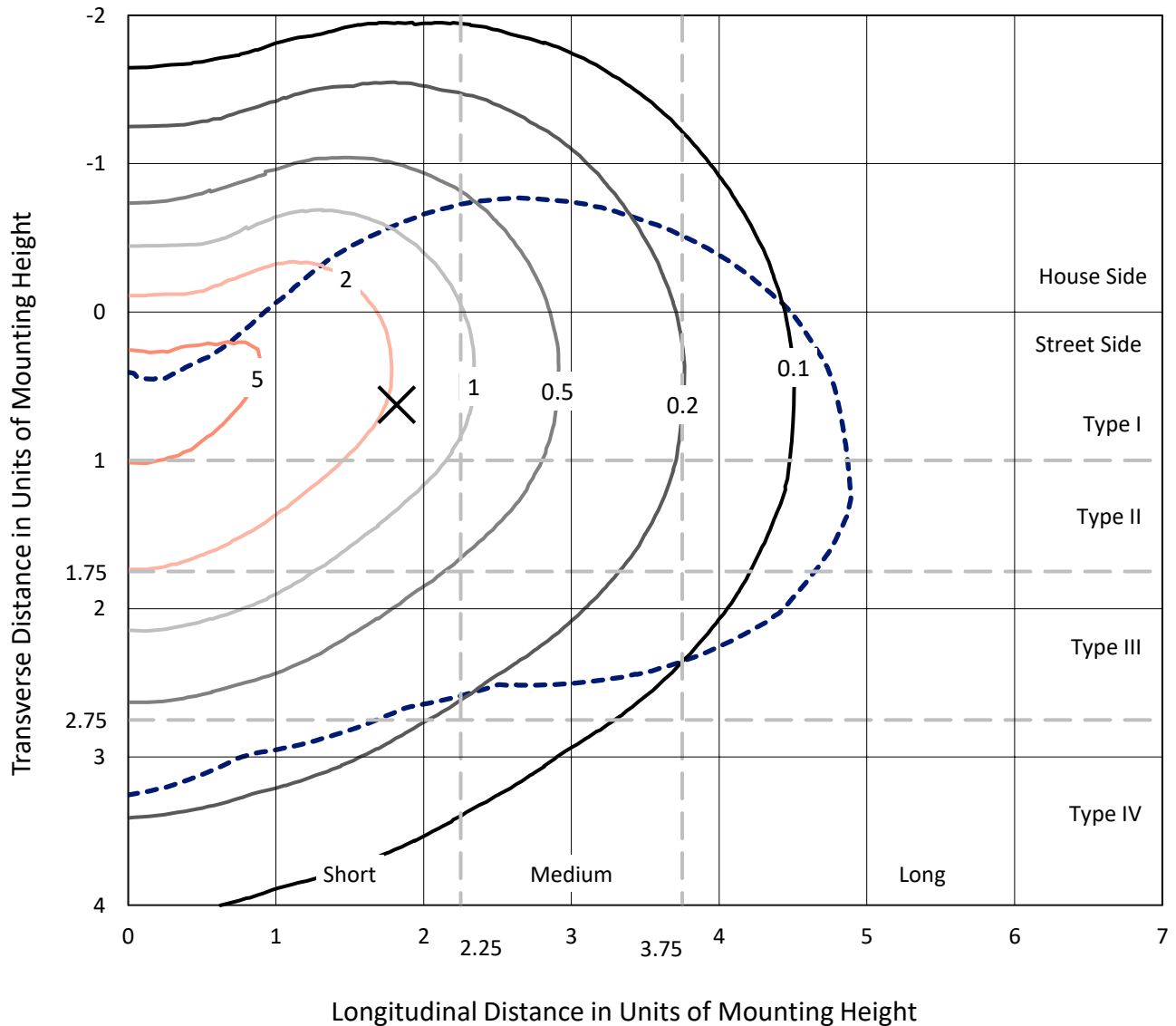
Input Watts (W): 48
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

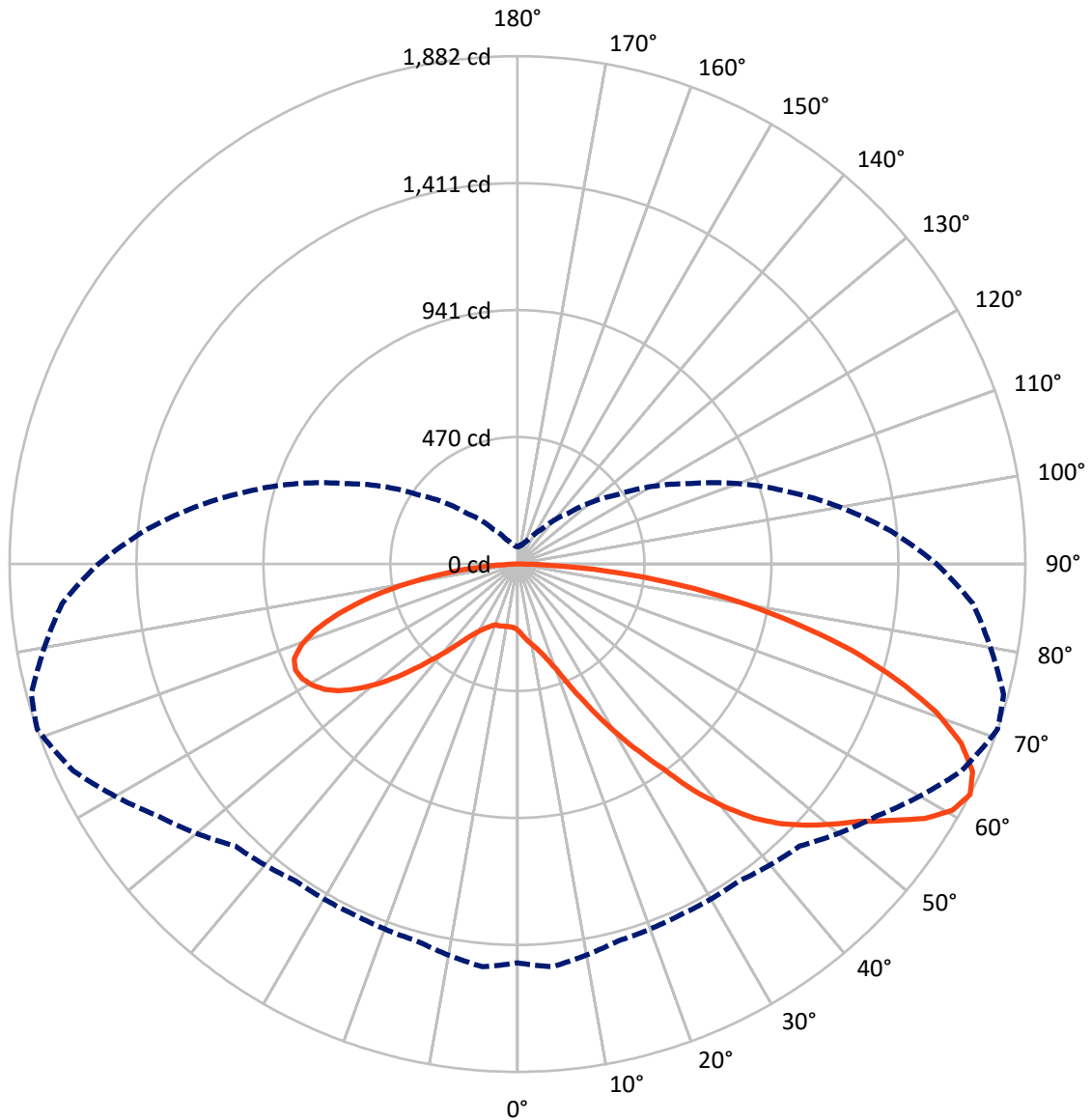
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.5 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 71-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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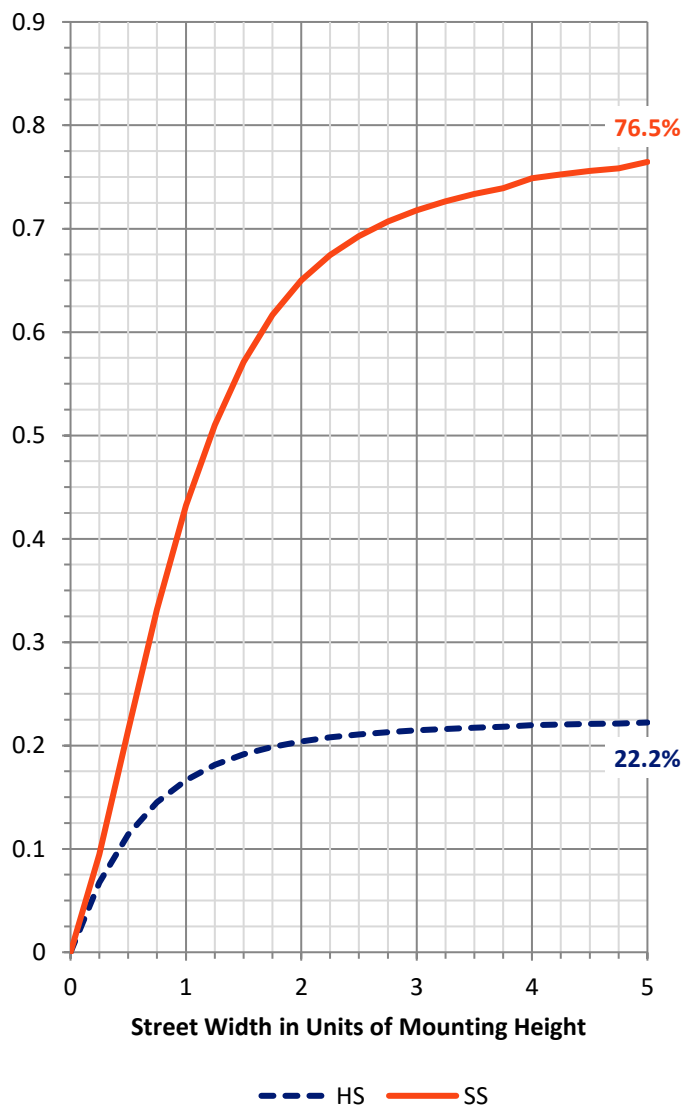
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	944.1	0.0	944.1
	% Fixture	22.5	0.0	22.5
Street Side	Lumens	3252.9	0.0	3252.9
	% Fixture	77.5	0.0	77.5
Total	Lumens	4197.0	0.0	4197.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.4	0.6
10°-20°	94.8	2.3
20°-30°	222.4	5.3
30°-40°	422.4	10.1
40°-50°	661.0	15.7
50°-60°	904.2	21.5
60°-70°	970.3	23.1
70°-80°	696.7	16.6
80°-90°	199.9	4.8
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°	4197.0	100.0
0°-180°	4197.0	100.0

Coefficient of Utilization



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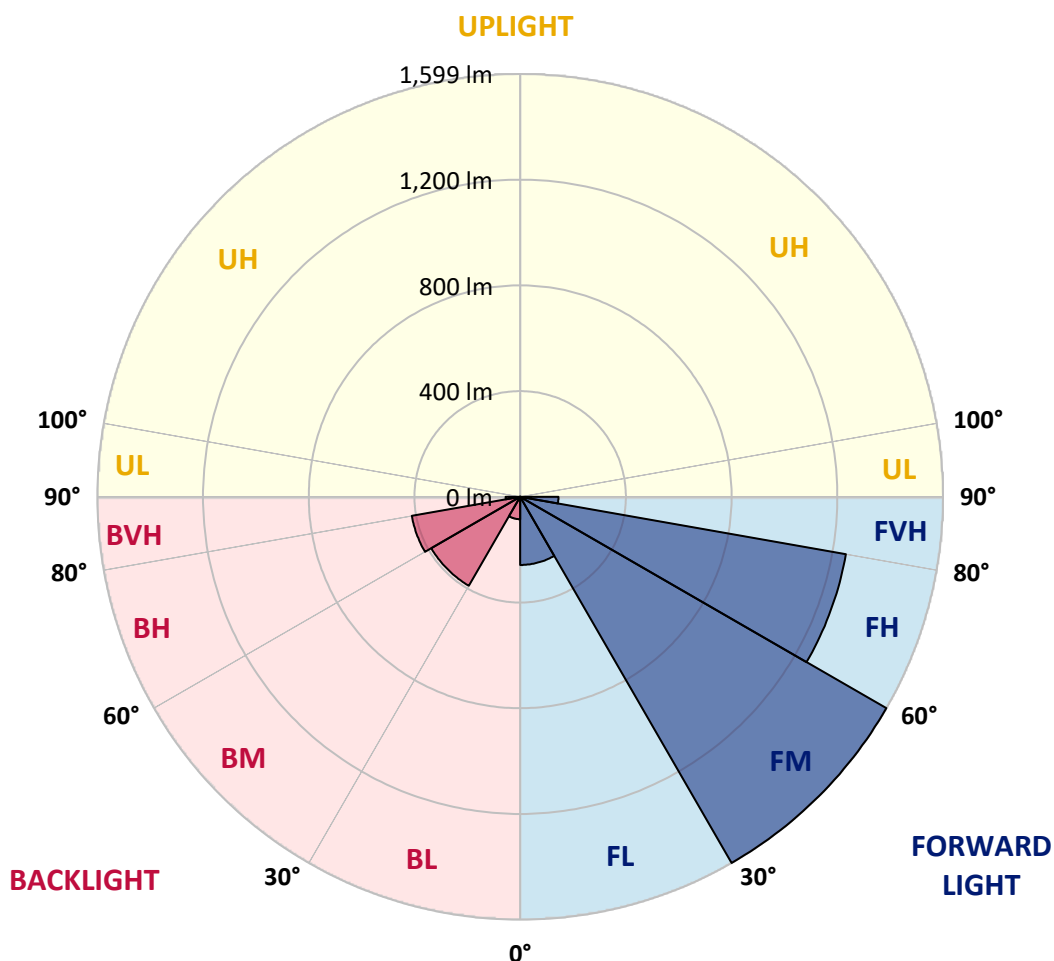
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	257.8	6.1			
FM	(30°-60°)	1599.4	38.1			
FH	(60°-80°)	1251.0	29.8			G1/1800
FVH	(80°-90°)	144.7	3.4			G2/225
BL	(0°-30°)	84.8	2.0	B0/110		
BM	(30°-60°)	388.1	9.2	B1/1000		
BH	(60°-80°)	416.0	9.9	B1/500		G1/500
BVH	(80°-90°)	55.2	1.3			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°	71°	75°	85°
0°	245.8	245.8	245.8	245.8	245.8	245.8	245.8	245.8	245.8	245.8	245.8
2.5°	284.8	283.8	283.3	280.8	277.3	271.8	267.8	260.3	257.8	254.3	249.3
5°	321.2	320.2	319.7	315.3	308.8	301.3	291.8	281.3	273.3	269.8	257.8
7.5°	362.7	360.2	355.2	347.2	336.7	324.2	312.3	298.3	288.8	282.3	266.3
10°	413.7	411.2	402.2	388.2	371.2	351.7	331.7	314.8	304.8	297.3	275.8
12.5°	465.1	462.6	450.1	432.7	409.2	382.2	355.2	333.2	322.7	313.3	287.8
15°	585.5	584.5	543.1	500.6	460.6	427.2	395.2	362.2	345.2	334.2	303.3
17.5°	794.9	780.4	714.4	623.5	546.6	491.1	450.1	401.2	377.7	360.7	319.7
20°	897.8	890.3	836.8	764.4	674.0	587.5	527.6	466.1	418.7	392.7	335.7
22.5°	961.2	956.2	901.8	849.8	791.4	708.4	618.0	541.1	482.6	441.7	366.2
25°	997.7	995.7	959.7	915.3	867.8	817.4	732.4	631.5	553.1	503.6	404.2
27.5°	1016.2	1017.7	987.2	960.7	943.8	910.8	847.3	717.9	638.5	579.0	453.1
30°	1092.6	1092.6	1057.2	1014.7	1014.2	1003.2	950.7	810.9	730.9	668.0	521.1
32.5°	1219.0	1232.5	1173.1	1105.1	1091.1	1094.1	1048.2	917.3	827.3	770.4	608.5
35°	1377.4	1385.9	1309.0	1218.5	1188.6	1169.1	1137.1	1029.2	933.3	874.3	706.9
37.5°	1474.3	1486.3	1422.4	1335.9	1281.0	1246.5	1221.0	1139.6	1067.7	1006.7	824.8
40°	1553.8	1564.3	1498.8	1405.4	1357.9	1312.5	1296.0	1242.5	1182.6	1128.1	937.3
42.5°	1570.8	1584.2	1508.3	1443.9	1390.4	1359.4	1348.4	1327.4	1287.5	1232.0	1046.7
45°	1441.4	1465.8	1474.3	1433.4	1405.4	1392.9	1392.4	1401.9	1372.4	1325.9	1154.6
47.5°	1427.9	1454.8	1436.9	1446.4	1414.4	1410.9	1423.4	1464.3	1445.9	1414.4	1249.5
50°	1582.2	1592.2	1495.3	1498.3	1454.3	1455.8	1469.3	1520.8	1514.8	1493.8	1334.4
52.5°	1659.7	1673.7	1542.8	1508.3	1508.3	1516.3	1533.3	1586.7	1584.2	1577.7	1414.4
55°	1778.1	1788.6	1649.2	1550.3	1543.3	1561.8	1607.7	1668.2	1676.2	1665.7	1504.3
57.5°	1711.6	1731.6	1643.2	1568.8	1544.8	1567.3	1660.7	1754.1	1778.6	1754.6	1591.7
60°	1606.2	1623.2	1558.8	1518.3	1508.3	1540.3	1665.2	1811.1	1852.0	1828.6	1662.7
62.5°	1477.8	1497.3	1444.9	1432.9	1433.4	1477.8	1626.7	1814.6	1881.5	1864.5	1694.2
65°	1323.0	1345.9	1317.0	1329.4	1335.9	1401.9	1552.3	1775.1	1853.0	1849.0	1687.2
67.5°	1195.1	1208.0	1181.1	1210.0	1219.0	1295.0	1457.3	1695.7	1773.6	1774.1	1632.2
70°	1074.6	1083.6	1050.2	1078.6	1094.6	1175.1	1346.4	1574.8	1646.7	1652.2	1532.8
72.5°	959.7	947.2	910.8	934.3	961.2	1042.7	1217.0	1419.9	1473.3	1484.3	1391.4
75°	823.3	805.4	762.4	788.9	813.4	892.3	1061.2	1226.0	1283.0	1281.5	1211.0
77.5°	682.5	662.5	623.0	640.0	665.5	737.4	882.3	1010.7	1049.7	1074.1	998.2
80°	515.1	506.1	476.1	485.6	504.1	566.6	691.5	787.4	814.9	815.9	766.4
82.5°	364.7	353.7	336.2	334.2	354.7	403.2	495.6	554.6	569.0	576.0	520.1
85°	195.8	199.3	195.8	178.9	201.8	235.3	287.3	322.7	328.7	339.2	294.8
87.5°	54.0	47.5	53.0	51.0	55.0	62.5	75.4	92.9	94.4	96.4	81.9
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°	245.8	245.8	245.8	245.8	245.8	245.8	245.8	245.8	245.8	245.8	245.8
2.5°	246.3	243.8	238.8	235.3	232.3	229.8	228.8	227.8	226.8	226.3	226.8
5°	252.3	247.3	238.3	230.8	225.3	220.3	217.3	214.3	212.3	211.8	211.8
7.5°	257.8	250.8	238.3	227.8	219.3	211.8	205.3	200.8	197.3	195.8	194.8
10°	265.3	256.3	239.8	226.3	213.8	203.3	195.3	189.3	185.4	184.4	182.4
12.5°	274.3	262.8	242.3	225.3	209.8	196.8	187.4	180.4	175.9	172.9	171.9
15°	286.3	270.8	245.8	224.3	206.3	191.8	180.9	171.4	164.4	159.9	159.9
17.5°	297.8	279.3	249.8	223.3	203.3	186.4	172.9	162.4	154.9	151.4	150.4
20°	307.8	285.8	250.8	220.8	198.8	179.9	164.4	153.9	146.9	142.9	142.9
22.5°	329.7	303.3	260.3	224.8	198.3	175.4	159.4	147.4	138.9	134.4	133.9
25°	360.2	324.7	272.8	230.3	198.3	173.4	154.9	140.4	130.9	126.9	126.4
27.5°	401.7	355.7	288.3	237.8	199.3	171.4	149.4	134.4	124.4	119.4	119.4
30°	454.6	398.7	309.3	246.8	201.3	168.9	144.4	127.4	115.9	109.9	109.9
32.5°	522.1	446.6	337.7	257.8	203.8	166.9	139.9	120.4	108.4	102.4	101.9
35°	614.5	522.1	376.2	275.8	208.8	164.9	134.9	114.4	102.4	96.9	96.4
37.5°	715.9	604.0	428.7	299.3	219.3	165.9	132.9	111.4	98.9	93.4	92.9
40°	827.3	699.4	489.6	329.7	232.8	170.9	133.4	111.4	98.4	92.9	92.4
42.5°	931.8	802.9	553.6	367.7	250.8	180.4	136.9	110.9	97.4	90.9	90.4
45°	1028.2	894.3	628.5	417.7	274.3	188.9	138.9	108.9	94.9	88.9	87.9
47.5°	1122.1	984.2	711.4	470.1	300.8	197.8	139.9	107.9	92.9	86.9	86.4
50°	1215.5	1081.6	793.4	523.1	327.7	208.8	141.4	107.9	89.9	84.4	83.4
52.5°	1299.5	1166.1	868.8	571.0	355.7	222.8	145.4	106.9	87.4	81.4	80.9
55°	1376.9	1238.0	936.3	616.0	385.2	237.3	150.9	104.4	85.4	78.4	77.9
57.5°	1453.3	1298.0	983.7	655.0	411.2	250.3	154.4	102.9	82.9	74.4	73.4
60°	1516.8	1356.4	1015.2	684.0	431.7	260.3	156.4	102.4	79.4	69.9	69.4
62.5°	1552.8	1389.9	1037.2	703.9	444.6	266.3	157.9	100.9	75.4	65.9	63.9
65°	1548.8	1391.4	1045.2	710.4	449.6	267.3	156.4	96.9	72.9	60.5	58.5
67.5°	1502.3	1356.9	1028.7	702.4	443.1	261.8	151.4	90.4	68.4	54.0	53.5
70°	1418.9	1282.0	974.7	671.5	426.2	247.8	142.4	83.4	62.5	49.0	47.5
72.5°	1286.0	1165.6	890.3	623.5	392.7	227.3	130.9	76.4	56.0	46.0	43.5
75°	1126.6	1017.2	775.4	550.1	350.2	201.3	115.9	68.4	48.5	42.5	40.5
77.5°	930.8	845.3	643.5	460.1	295.3	173.4	98.9	59.0	40.5	38.5	38.0
80°	713.9	639.5	494.6	358.2	233.3	138.4	80.9	50.5	33.5	33.0	34.0
82.5°	480.6	435.2	335.2	252.3	168.9	99.9	61.0	39.0	27.5	27.5	28.0
85°	264.3	239.3	195.3	139.4	99.4	63.0	41.0	28.5	22.0	21.5	22.0
87.5°	73.9	66.4	56.5	43.5	36.5	25.5	20.5	17.5	15.5	15.5	15.5
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)