

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: P553657

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

Issue Date: 7/12/2021

Test Information

Test Method: LM-79-08
Report Number: P553657
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
Description: ARBOR OUTDOOR ARCHITECTURAL POST TOP
70 CRI, 4000K LEDS AND TYPE III OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4534 lumens
Efficiency: N/A
Efficacy: 94.5 lumens/watt
Luminous Opening: Circular (Dia: 1.62' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

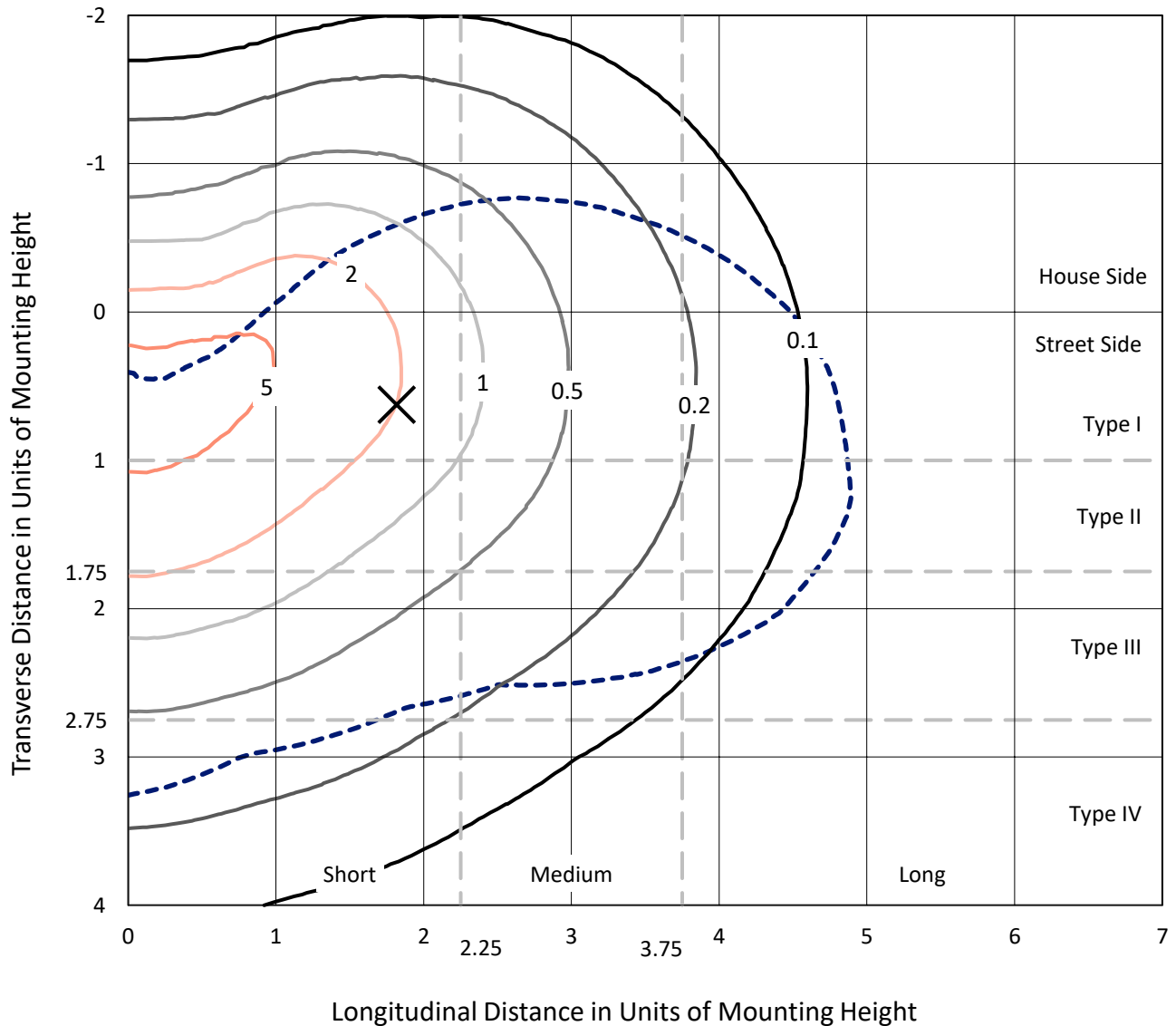
Input Watts (W): 48
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P553657
 CATALOG NUMBER: ARB-B2-LED-D1-T3

Iso-Footcandle Lines of Horizontal Illumination

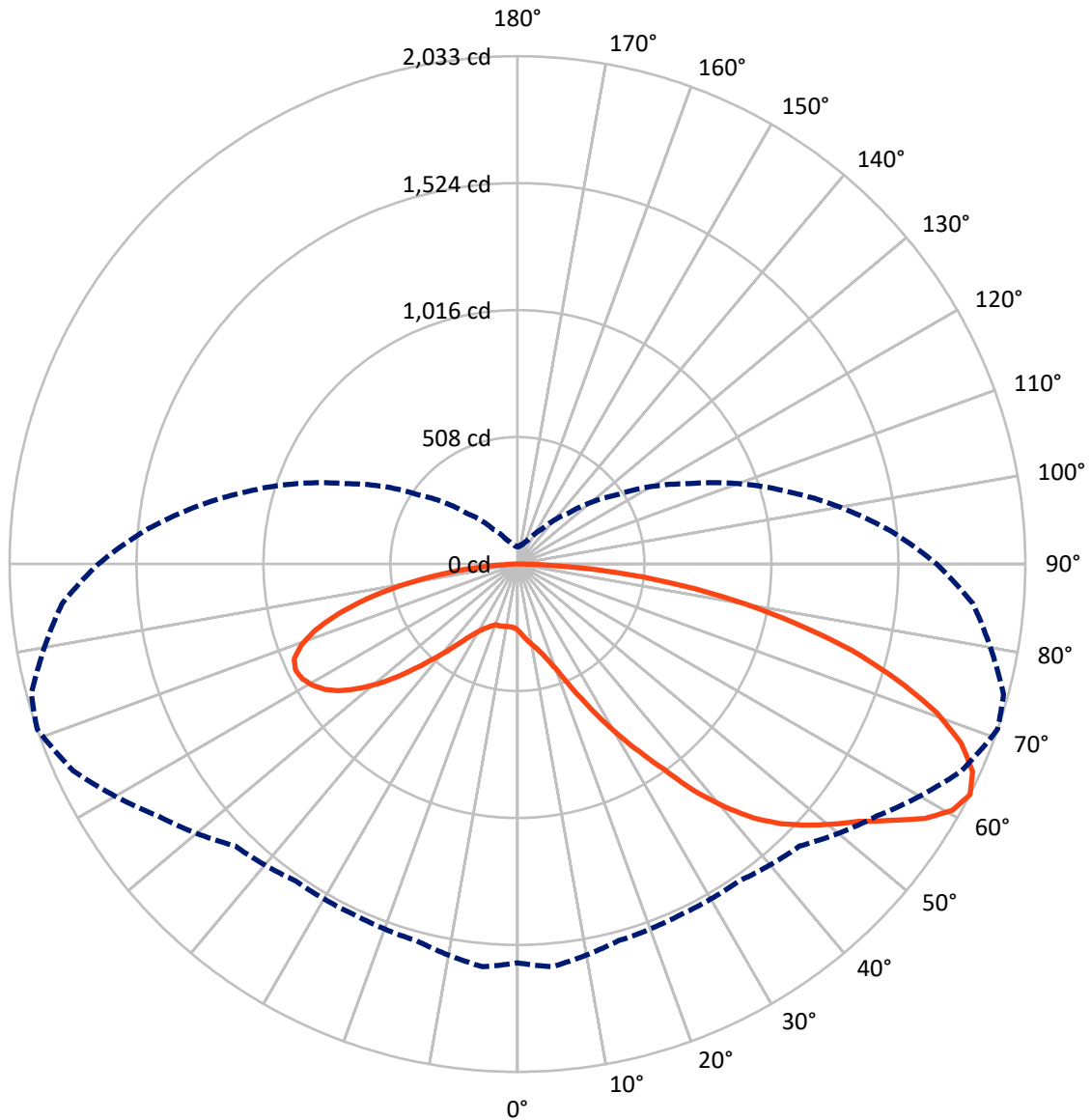
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.1 fc
 Type IV - Short - N/A

REPORT NUMBER: P553657
CATALOG NUMBER: ARB-B2-LED-D1-T3

Luminous Intensity Polar Plot



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

REPORT NUMBER: P553657

CATALOG NUMBER: ARB-B2-LED-D1-T3

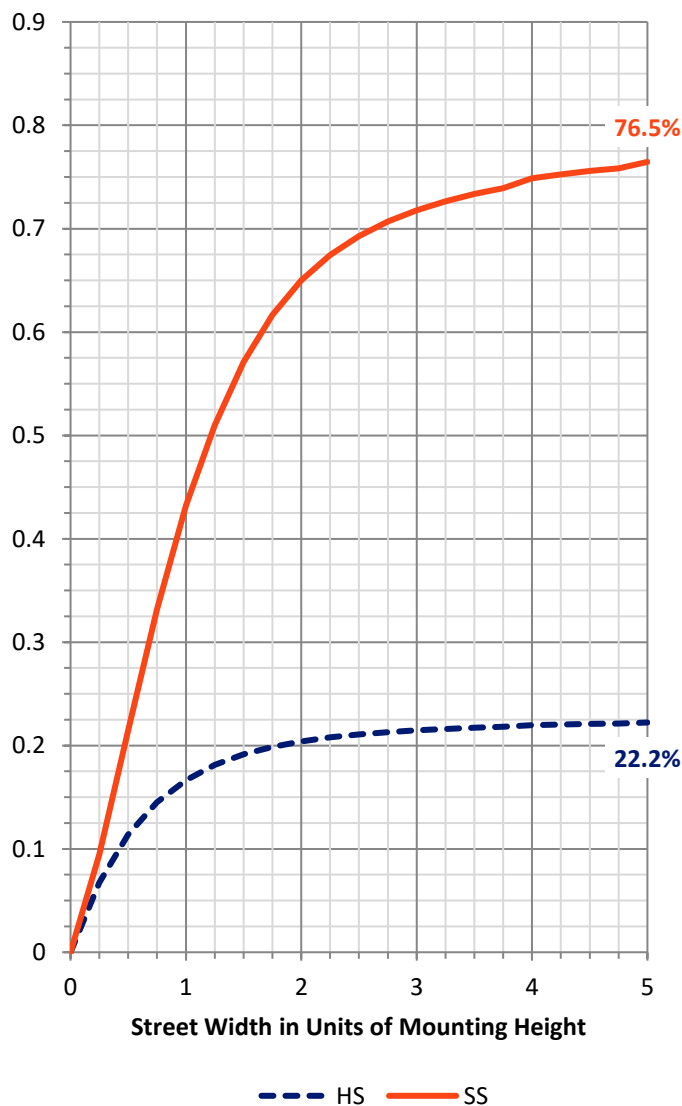
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1019.9	0.0	1019.9
	% Fixture	22.5	0.0	22.5
Street Side	Lumens	3514.1	0.0	3514.1
	% Fixture	77.5	0.0	77.5
Total	Lumens	4534.0	0.0	4534.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.4	0.6
10°-20°	102.4	2.3
20°-30°	240.2	5.3
30°-40°	456.3	10.1
40°-50°	714.1	15.7
50°-60°	976.8	21.5
60°-70°	1048.2	23.1
70°-80°	752.6	16.6
80°-90°	216.0	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°	4534.0	100.0
0°-180°	4534.0	100.0

Coefficient of Utilization



REPORT NUMBER: P553657

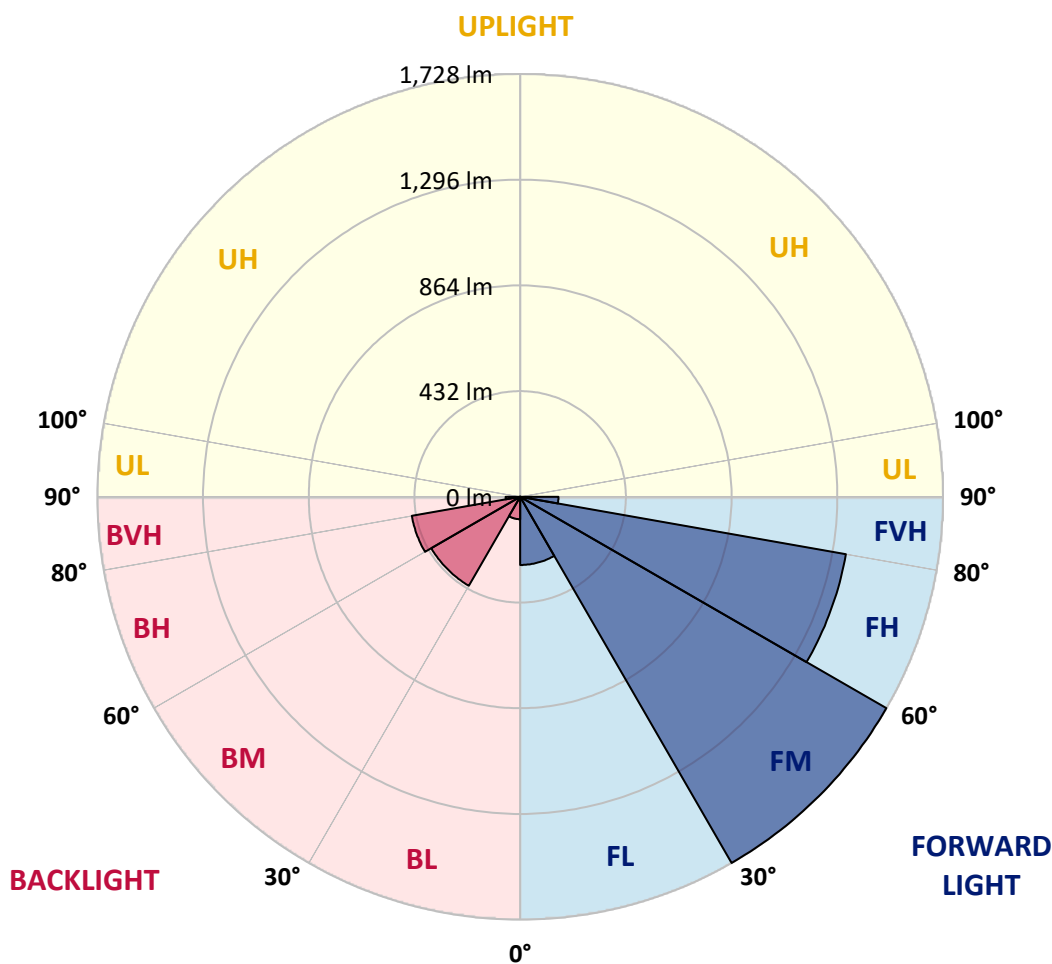
CATALOG NUMBER: ARB-B2-LED-D1-T3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	278.5	6.1			
FM	(30°-60°)	1727.9	38.1			
FH	(60°-80°)	1351.4	29.8			G1/1800
FVH	(80°-90°)	156.3	3.4			G2/225
BL	(0°-30°)	91.6	2.0	B0/110		
BM	(30°-60°)	419.3	9.2	B1/1000		
BH	(60°-80°)	449.4	9.9	B1/500		G1/500
BVH	(80°-90°)	59.6	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





REPORT NUMBER: P553657

CATALOG NUMBER: ARB-B2-LED-D1-T3

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	71°	75°	85°
0°	265.5	265.5	265.5	265.5	265.5	265.5	265.5	265.5	265.5	265.5	265.5
2.5°	307.6	306.6	306.0	303.3	299.5	293.6	289.3	281.2	278.5	274.7	269.3
5°	347.0	346.0	345.4	340.6	333.5	325.5	315.2	303.9	295.2	291.4	278.5
7.5°	391.8	389.1	383.7	375.1	363.8	350.3	337.3	322.2	312.0	304.9	287.7
10°	446.9	444.2	434.5	419.4	401.0	380.0	358.4	340.0	329.2	321.1	297.9
12.5°	502.5	499.8	486.3	467.4	442.0	412.9	383.7	360.0	348.7	338.4	310.9
15°	632.6	631.5	586.7	540.8	497.6	461.5	426.9	391.3	372.9	361.1	327.6
17.5°	858.7	843.0	771.8	673.6	590.5	530.5	486.3	433.4	408.0	389.7	345.4
20°	969.9	961.8	904.0	825.8	728.1	634.7	569.9	503.6	452.3	424.2	362.7
22.5°	1038.4	1033.0	974.2	918.1	854.9	765.3	667.6	584.5	521.4	477.1	395.6
25°	1077.8	1075.7	1036.8	988.8	937.5	883.0	791.2	682.2	597.5	544.0	436.6
27.5°	1097.8	1099.4	1066.5	1037.9	1019.5	983.9	915.4	775.6	689.8	625.5	489.5
30°	1180.4	1180.4	1142.0	1096.2	1095.6	1083.8	1027.1	876.0	789.6	721.6	562.9
32.5°	1316.9	1331.5	1267.3	1193.9	1178.7	1182.0	1132.3	990.9	893.8	832.2	657.4
35°	1488.0	1497.2	1414.1	1316.4	1284.0	1262.9	1228.4	1111.8	1008.2	944.5	763.7
37.5°	1592.7	1605.7	1536.6	1443.2	1383.8	1346.6	1319.1	1231.1	1153.4	1087.5	891.1
40°	1678.5	1689.9	1619.2	1518.2	1467.0	1417.8	1400.0	1342.3	1277.5	1218.7	1012.5
42.5°	1696.9	1711.5	1629.4	1559.8	1502.0	1468.6	1456.7	1434.0	1390.9	1330.9	1130.7
45°	1557.1	1583.5	1592.7	1548.5	1518.2	1504.7	1504.2	1514.5	1482.6	1432.4	1247.3
47.5°	1542.5	1571.7	1552.2	1562.5	1527.9	1524.2	1537.7	1581.9	1561.9	1527.9	1349.8
50°	1709.3	1720.1	1615.4	1618.6	1571.1	1572.7	1587.3	1642.9	1636.4	1613.8	1441.6
52.5°	1793.0	1808.1	1666.7	1629.4	1629.4	1638.1	1656.4	1714.2	1711.5	1704.4	1527.9
55°	1920.9	1932.2	1781.6	1674.8	1667.2	1687.2	1736.8	1802.1	1810.8	1799.4	1625.1
57.5°	1849.1	1870.7	1775.1	1694.7	1668.8	1693.1	1794.0	1895.0	1921.4	1895.5	1719.5
60°	1735.2	1753.6	1683.9	1640.2	1629.4	1664.0	1798.9	1956.5	2000.7	1975.4	1796.2
62.5°	1596.5	1617.5	1560.9	1547.9	1548.5	1596.5	1757.3	1960.3	2032.6	2014.2	1830.2
65°	1429.2	1454.0	1422.7	1436.2	1443.2	1514.5	1676.9	1917.6	2001.8	1997.5	1822.6
67.5°	1291.0	1305.0	1275.9	1307.2	1316.9	1399.0	1574.4	1831.8	1916.0	1916.5	1763.3
70°	1160.9	1170.7	1134.5	1165.3	1182.5	1269.4	1454.5	1701.2	1778.9	1784.9	1655.9
72.5°	1036.8	1023.3	983.9	1009.3	1038.4	1126.4	1314.8	1533.9	1591.6	1603.5	1503.1
75°	889.5	870.0	823.6	852.2	878.7	963.9	1146.4	1324.5	1386.0	1384.4	1308.3
77.5°	737.3	715.7	673.0	691.4	718.9	796.6	953.1	1091.9	1134.0	1160.4	1078.4
80°	556.5	546.7	514.4	524.6	544.6	612.0	747.0	850.6	880.3	881.4	827.9
82.5°	394.0	382.1	363.2	361.1	383.2	435.6	535.4	599.1	614.7	622.3	561.8
85°	211.6	215.3	211.6	193.2	218.0	254.2	310.3	348.7	355.1	366.5	318.4
87.5°	58.3	51.3	57.2	55.1	59.4	67.5	81.5	100.4	102.0	104.2	88.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P553657
 CATALOG NUMBER: ARB-B2-LED-D1-T3

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	265.5	265.5	265.5	265.5	265.5	265.5	265.5	265.5	265.5	265.5	265.5
2.5°	266.1	263.4	258.0	254.2	251.0	248.3	247.2	246.1	245.0	244.5	245.0
5°	272.6	267.2	257.4	249.4	243.4	238.0	234.8	231.5	229.4	228.8	228.8
7.5°	278.5	270.9	257.4	246.1	236.9	228.8	221.8	217.0	213.2	211.6	210.5
10°	286.6	276.9	259.1	244.5	231.0	219.7	211.0	204.6	200.2	199.2	197.0
12.5°	296.3	283.9	261.8	243.4	226.7	212.6	202.4	194.8	190.0	186.7	185.7
15°	309.3	292.5	265.5	242.3	222.9	207.3	195.4	185.1	177.6	172.7	172.7
17.5°	321.7	301.7	269.9	241.3	219.7	201.3	186.7	175.4	167.3	163.5	162.5
20°	332.5	308.7	270.9	238.6	214.8	194.3	177.6	166.2	158.7	154.4	154.4
22.5°	356.2	327.6	281.2	242.9	214.3	189.4	172.2	159.2	150.0	145.2	144.6
25°	389.1	350.8	294.7	248.8	214.3	187.3	167.3	151.7	141.4	137.1	136.5
27.5°	433.9	384.3	311.4	256.9	215.3	185.1	161.4	145.2	134.4	129.0	129.0
30°	491.1	430.7	334.1	266.6	217.5	182.4	156.0	137.6	125.2	118.7	118.7
32.5°	564.0	482.5	364.9	278.5	220.2	180.3	151.1	130.1	117.1	110.6	110.1
35°	663.9	564.0	406.4	297.9	225.6	178.1	145.7	123.6	110.6	104.7	104.2
37.5°	773.4	652.5	463.1	323.3	236.9	179.2	143.6	120.4	106.9	100.9	100.4
40°	893.8	755.6	528.9	356.2	251.5	184.6	144.1	120.4	106.3	100.4	99.8
42.5°	1006.6	867.3	598.0	397.2	270.9	194.8	147.9	119.8	105.2	98.2	97.7
45°	1110.7	966.1	679.0	451.2	296.3	204.0	150.0	117.7	102.5	96.1	95.0
47.5°	1212.2	1063.2	768.6	507.9	324.9	213.7	151.1	116.6	100.4	93.9	93.4
50°	1313.1	1168.5	857.1	565.1	354.1	225.6	152.7	116.6	97.1	91.2	90.1
52.5°	1403.8	1259.7	938.6	616.9	384.3	240.7	157.1	115.5	94.5	88.0	87.4
55°	1487.5	1337.4	1011.4	665.5	416.1	256.4	163.0	112.8	92.3	84.7	84.2
57.5°	1570.0	1402.2	1062.7	707.6	444.2	270.4	166.8	111.2	89.6	80.4	79.3
60°	1638.6	1465.3	1096.7	738.9	466.3	281.2	168.9	110.6	85.8	75.6	75.0
62.5°	1677.4	1501.5	1120.5	760.5	480.4	287.7	170.6	109.0	81.5	71.2	69.1
65°	1673.1	1503.1	1129.1	767.5	485.7	288.8	168.9	104.7	78.8	65.3	63.1
67.5°	1622.9	1465.9	1111.3	758.8	478.7	282.8	163.5	97.7	73.9	58.3	57.8
70°	1532.8	1384.9	1053.0	725.4	460.4	267.7	153.8	90.1	67.5	52.9	51.3
72.5°	1389.2	1259.2	961.8	673.6	424.2	245.6	141.4	82.6	60.4	49.7	47.0
75°	1217.1	1098.9	837.6	594.2	378.3	217.5	125.2	73.9	52.4	45.9	43.7
77.5°	1005.5	913.2	695.2	497.1	319.0	187.3	106.9	63.7	43.7	41.6	41.0
80°	771.3	690.8	534.3	387.0	252.0	149.5	87.4	54.5	36.2	35.6	36.7
82.5°	519.2	470.1	362.2	272.6	182.4	107.9	65.8	42.1	29.7	29.7	30.2
85°	285.5	258.5	211.0	150.6	107.4	68.0	44.3	30.8	23.7	23.2	23.7
87.5°	79.9	71.8	61.0	47.0	39.4	27.5	22.1	18.9	16.7	16.7	16.7
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)