

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: P553658

Luminaire Tested: **ARB-B2-LED-D1-T4-7030**

Issue Date: 7/12/2021

Test Information

Test Method: LM-79-08
Report Number: P553658
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34663)
Test Lab: INNOVATION CENTER
Issue Date: 7/12/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: ARB-B2-LED-D1-T4-7030
Description: ARBOR OUTDOOR ARCHITECTURAL POST TOP
70 CRI, 3000K LEDS AND TYPE IV OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4342 lumens
Efficiency: N/A
Efficacy: 90.5 lumens/watt
Luminous Opening: Circular (Dia: 1.62' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

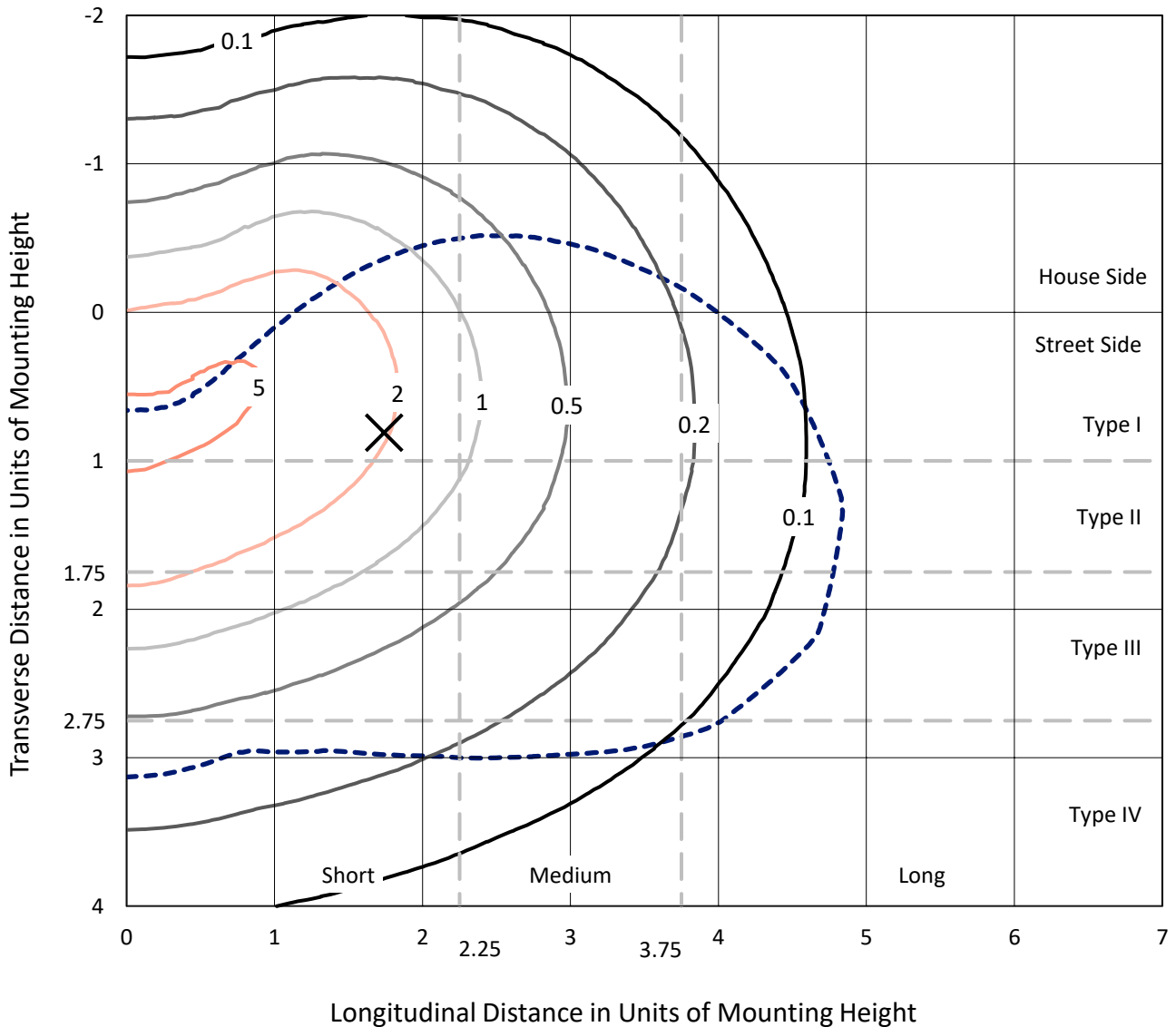
Input Watts (W): 48
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P553658
 CATALOG NUMBER: ARB-B2-LED-D1-T4-7030

Iso-Footcandle Lines of Horizontal Illumination

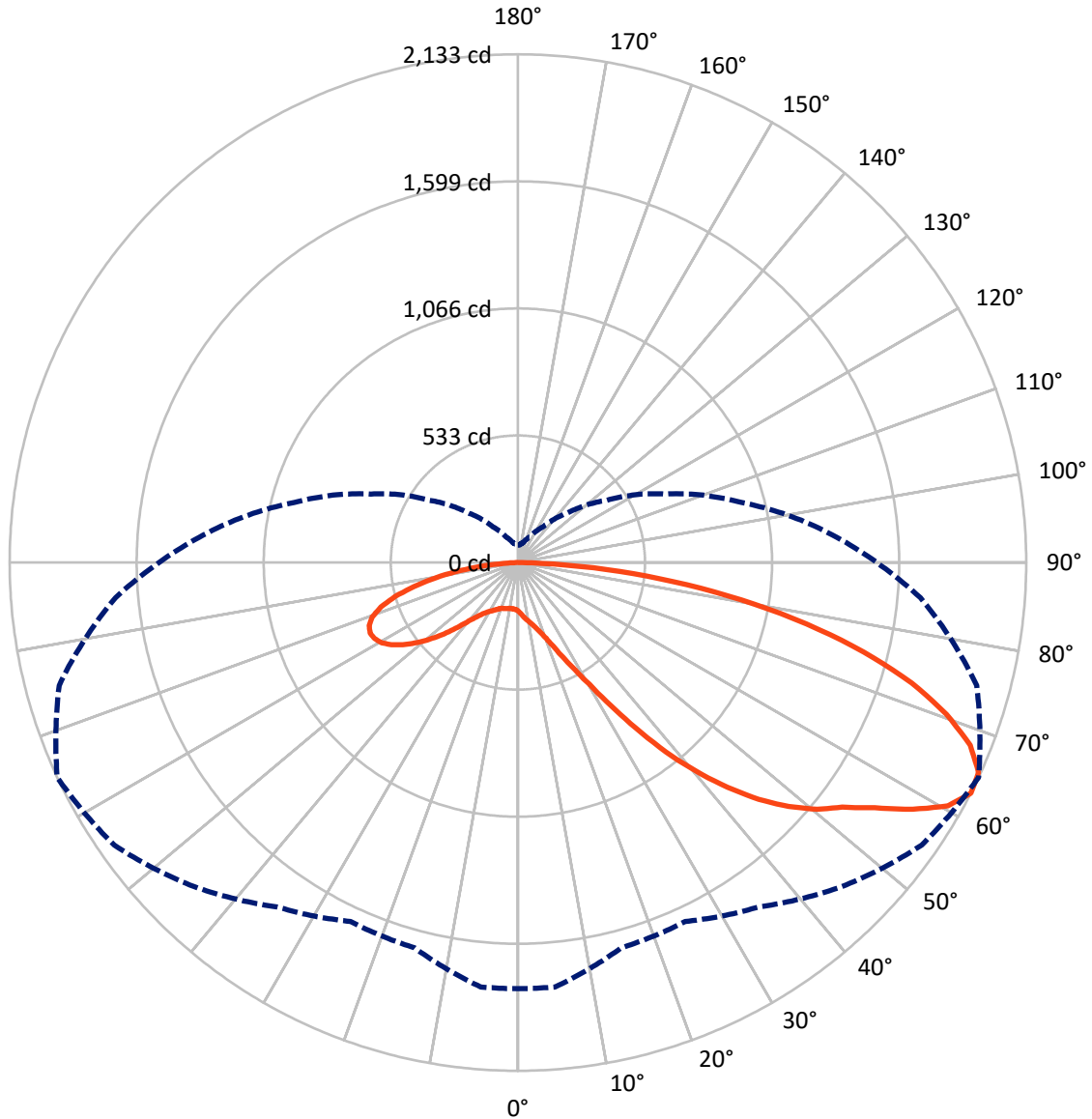
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.8 fc
 Type IV - Short - N/A

REPORT NUMBER: P553658
CATALOG NUMBER: ARB-B2-LED-D1-T4-7030

Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

REPORT NUMBER: P553658

CATALOG NUMBER: ARB-B2-LED-D1-T4-7030

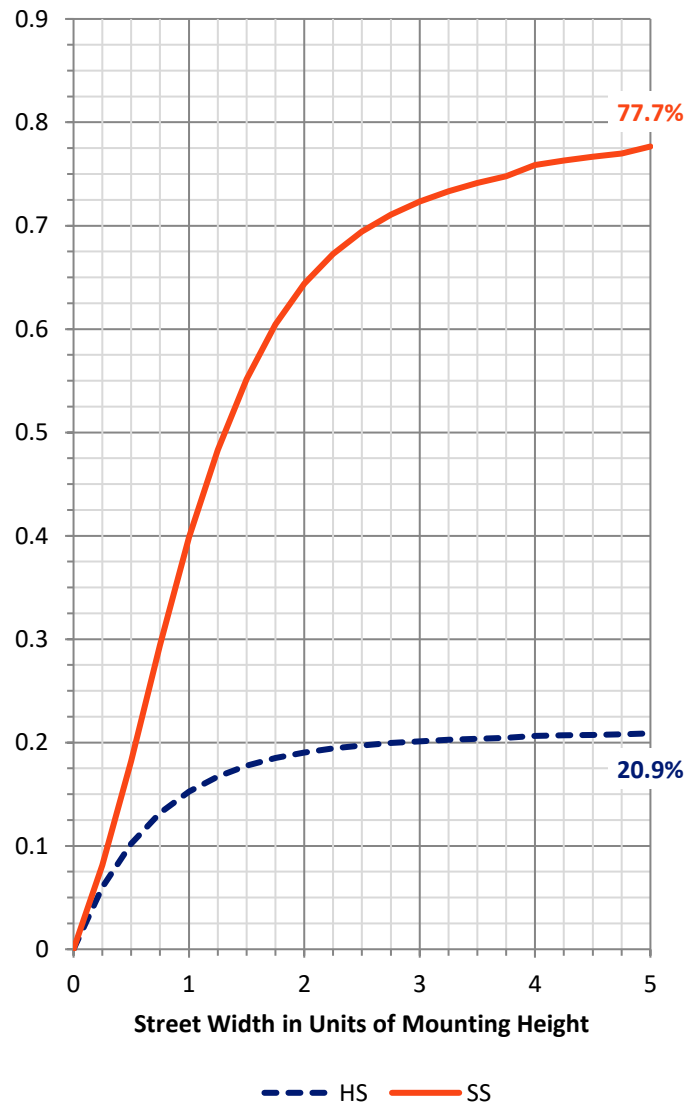
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	917.8	0.0	917.8
	% Fixture	21.1	0.0	21.1
Street Side	Lumens	3424.1	0.0	3424.1
	% Fixture	78.9	0.0	78.9
Total	Lumens	4342.0	0.0	4342.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.5	0.5
10°-20°	68.8	1.6
20°-30°	155.4	3.6
30°-40°	368.6	8.5
40°-50°	659.7	15.2
50°-60°	961.3	22.1
60°-70°	1095.3	25.2
70°-80°	789.5	18.2
80°-90°	222.8	5.1
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°	4342.0	100.0
0°-180°	4342.0	100.0



REPORT NUMBER: P553658

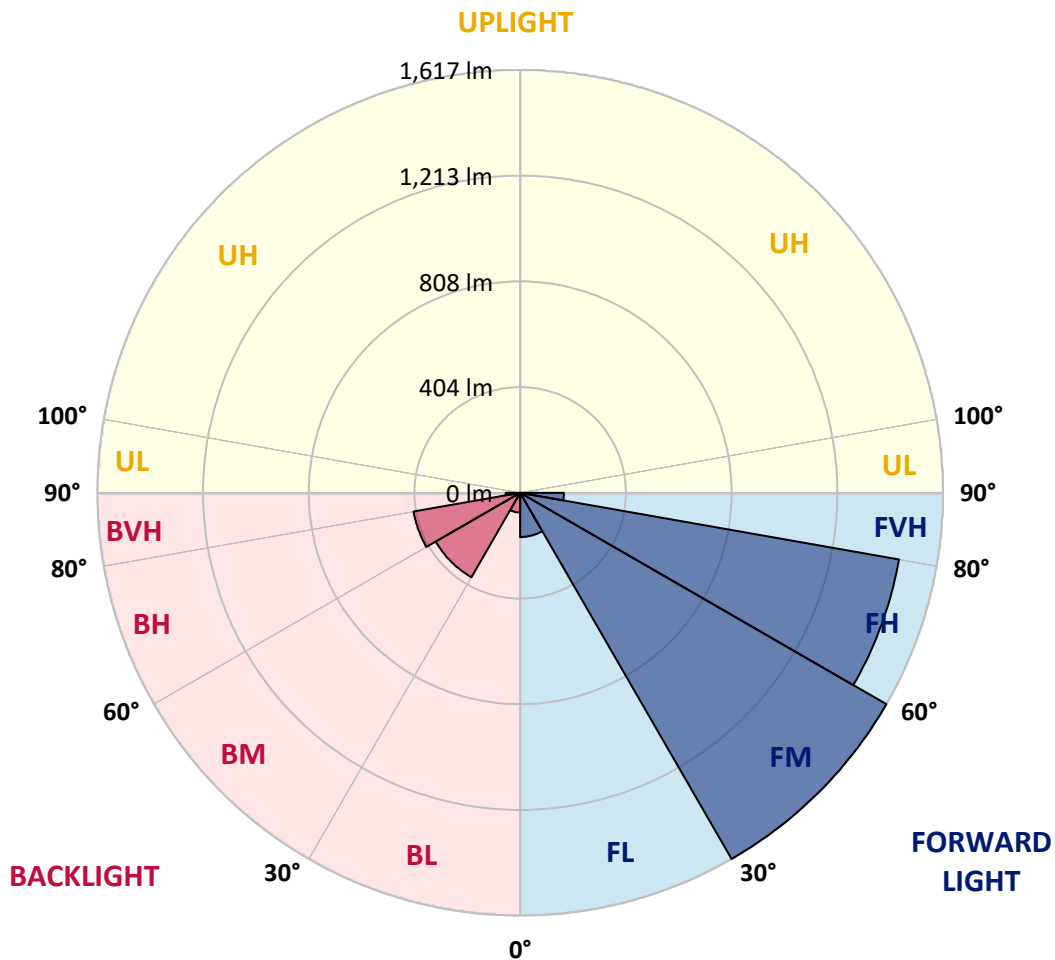
CATALOG NUMBER: ARB-B2-LED-D1-T4-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	169.1	3.9			
FM (30°-60°)	1616.9	37.2			
FH (60°-80°)	1470.9	33.9			G1/1800
FVH (80°-90°)	167.3	3.9			G2/225
BL (0°-30°)	75.6	1.7	B0/110		
BM (30°-60°)	372.8	8.6	B1/1000		
BH (60°-80°)	413.9	9.5	B1/500		G1/500
BVH (80°-90°)	55.6	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: P553658

CATALOG NUMBER: ARB-B2-LED-D1-T4-7030

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	203.4	203.4	203.4	203.4	203.4	203.4	203.4	203.4	203.4	203.4	203.4
2.5°	227.3	225.3	225.3	224.8	222.8	220.3	217.3	213.3	210.8	206.9	204.9
5°	247.3	247.3	246.3	244.8	241.8	237.8	232.3	226.8	220.8	213.8	210.8
7.5°	266.3	266.3	265.3	261.8	258.3	253.8	246.8	239.3	230.8	221.3	216.8
10°	287.3	286.3	283.8	279.8	274.8	268.3	260.8	251.8	241.8	230.3	224.3
12.5°	304.8	304.8	303.8	299.8	293.3	284.8	276.3	265.8	254.8	240.3	233.3
15°	324.3	323.8	323.8	320.8	315.3	306.3	295.3	284.8	270.8	251.8	243.8
17.5°	361.2	359.7	355.7	347.3	341.3	334.3	323.8	308.8	290.8	266.8	255.8
20°	410.7	413.2	400.7	386.2	374.2	368.2	358.7	339.3	313.3	279.8	265.8
22.5°	488.2	484.7	463.2	447.2	427.2	415.7	408.2	381.7	346.3	304.8	286.3
25°	567.1	564.6	542.1	520.1	498.1	487.2	471.7	440.2	387.7	336.8	311.3
27.5°	643.5	644.0	627.1	606.6	591.6	580.1	551.6	509.6	439.2	374.2	344.3
30°	768.5	779.9	747.0	734.0	727.0	715.5	676.0	592.6	508.1	422.7	383.7
32.5°	1004.3	998.3	951.8	898.9	883.4	865.4	814.4	714.5	602.6	487.2	436.2
35°	1257.6	1241.6	1158.2	1082.7	1039.3	1009.3	963.3	851.4	715.0	577.1	510.1
37.5°	1361.5	1356.5	1302.6	1243.6	1195.6	1158.2	1114.7	1008.8	853.4	680.5	592.1
40°	1445.5	1444.0	1401.0	1353.0	1329.1	1287.1	1241.6	1151.7	997.8	795.4	697.5
42.5°	1501.4	1501.9	1463.5	1426.5	1421.0	1395.0	1363.5	1288.6	1128.7	910.8	798.9
45°	1546.9	1547.4	1488.4	1472.9	1487.9	1489.4	1471.9	1417.5	1258.6	1041.8	910.8
47.5°	1584.9	1582.9	1507.4	1488.4	1527.9	1568.9	1562.4	1529.4	1387.5	1158.2	1020.3
50°	1602.9	1597.4	1516.4	1499.9	1547.4	1611.3	1628.3	1627.3	1503.9	1261.6	1124.2
52.5°	1677.8	1661.3	1569.9	1554.4	1596.4	1673.8	1703.3	1704.3	1611.8	1361.5	1217.6
55°	1940.6	1935.1	1778.2	1697.3	1718.8	1803.7	1826.2	1816.2	1721.3	1454.5	1305.1
57.5°	1965.1	1956.6	1839.7	1777.2	1817.2	1910.6	1964.1	1953.1	1839.2	1550.4	1374.0
60°	1902.6	1886.7	1779.2	1750.2	1824.7	1950.1	2052.5	2072.5	1928.1	1641.3	1458.0
62.5°	1787.7	1787.2	1673.8	1661.3	1763.2	1922.1	2067.5	2132.5	1992.6	1694.8	1505.4
65°	1634.3	1629.8	1533.4	1545.4	1661.3	1839.7	2015.6	2123.5	2007.1	1703.8	1517.9
67.5°	1384.5	1397.0	1350.0	1412.0	1529.9	1722.3	1916.1	2046.5	1954.6	1662.8	1488.4
70°	1200.1	1212.6	1182.7	1251.1	1380.0	1572.9	1784.7	1907.1	1835.2	1575.4	1414.0
72.5°	1050.2	1045.3	1021.3	1092.2	1214.6	1395.5	1603.9	1728.8	1665.8	1438.0	1294.6
75°	887.9	878.4	854.9	915.3	1039.8	1198.6	1380.5	1499.4	1447.0	1265.6	1135.2
77.5°	718.5	712.0	688.5	735.0	831.9	992.3	1156.7	1238.1	1205.1	1049.7	941.8
80°	559.6	546.1	520.6	556.1	637.5	759.5	883.9	950.3	915.8	799.4	719.0
82.5°	369.7	381.7	370.7	372.2	445.2	534.6	632.0	656.5	639.5	548.6	497.6
85°	219.3	213.8	205.9	207.9	245.8	308.3	357.2	373.2	357.7	301.3	277.3
87.5°	47.0	49.5	51.5	46.0	63.5	83.9	94.4	96.4	97.9	84.4	74.4
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: P553658
 CATALOG NUMBER: ARB-B2-LED-D1-T4-7030

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	203.4	203.4	203.4	203.4	203.4	203.4	203.4	203.4	203.4	203.4
2.5°	203.4	200.4	197.9	195.4	193.4	192.4	191.4	190.9	190.4	190.9
5°	207.9	201.9	196.4	191.4	187.4	184.4	181.4	179.9	178.4	178.4
7.5°	212.3	203.4	194.9	187.4	180.9	174.9	170.9	168.4	166.4	166.4
10°	217.8	206.4	194.9	184.4	175.4	168.4	161.9	158.4	155.9	155.4
12.5°	225.8	210.8	196.9	183.9	172.4	162.9	155.4	149.9	146.9	146.4
15°	234.8	216.3	198.9	183.9	169.9	156.9	147.9	141.4	137.9	136.9
17.5°	243.8	221.8	201.9	183.4	166.4	151.9	141.4	133.9	130.4	129.4
20°	252.8	226.8	202.9	181.4	162.4	146.9	134.9	127.4	122.9	122.9
22.5°	269.3	237.3	209.4	182.9	161.4	143.9	129.9	121.9	117.9	116.9
25°	291.3	250.8	216.8	185.9	160.9	140.9	125.9	116.9	112.9	111.9
27.5°	317.3	266.8	225.3	189.4	160.9	138.4	122.4	112.9	107.9	107.9
30°	349.3	285.8	234.3	193.4	160.4	135.9	118.9	108.9	104.4	103.9
32.5°	390.2	311.3	245.3	196.9	160.4	133.9	115.9	105.4	100.4	99.9
35°	446.7	341.3	261.3	203.4	161.4	133.4	114.4	102.9	97.4	96.9
37.5°	515.6	383.7	283.3	215.8	166.4	134.9	114.4	101.9	96.4	95.9
40°	597.6	436.2	312.3	231.3	175.9	139.4	116.9	103.4	96.9	96.4
42.5°	692.0	494.1	352.7	255.3	189.9	145.4	118.4	103.4	96.9	95.9
45°	787.4	566.1	400.2	279.8	200.9	150.4	117.9	102.4	95.9	94.9
47.5°	883.9	642.0	450.2	308.3	212.8	154.9	118.9	101.4	93.9	92.9
50°	980.3	714.5	500.1	339.8	228.3	157.9	120.4	98.9	91.9	90.4
52.5°	1068.7	791.9	548.1	370.7	245.3	165.4	120.9	96.4	89.4	88.4
55°	1143.2	855.4	593.6	404.7	264.3	173.4	120.4	95.4	86.4	85.4
57.5°	1214.1	906.4	633.0	428.7	277.8	177.9	121.4	93.4	82.9	81.9
60°	1280.6	945.3	663.0	447.2	287.8	181.9	120.9	90.4	78.4	78.4
62.5°	1324.1	971.8	680.5	456.2	293.8	182.9	119.4	86.9	73.9	72.4
65°	1335.0	985.3	687.0	458.2	292.8	179.9	113.9	83.4	68.0	66.0
67.5°	1306.6	973.3	678.0	449.2	284.3	171.9	105.9	77.4	60.0	59.5
70°	1242.6	931.3	652.0	428.7	268.8	161.4	96.4	70.0	54.0	52.0
72.5°	1141.7	857.4	604.1	397.2	245.8	147.9	87.9	62.0	49.5	47.5
75°	1002.8	759.0	534.1	352.7	217.3	130.4	78.9	53.5	45.5	44.0
77.5°	835.4	631.0	447.2	298.8	184.4	111.9	68.5	44.5	41.0	41.0
80°	635.0	497.1	350.7	233.8	145.4	88.9	56.5	37.0	35.5	36.0
82.5°	434.2	339.8	243.8	163.9	104.9	67.0	43.0	30.0	29.5	29.5
85°	235.8	192.4	138.4	97.4	62.5	43.5	29.5	23.0	23.0	23.0
87.5°	72.9	59.0	41.0	31.0	25.5	20.5	17.5	15.5	16.5	16.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)