

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: P553656

Luminaire Tested: **ARB-B2-LED-D1-T3-8030**

Issue Date: 7/12/2021

Test Information

Test Method: LM-79-08
Report Number: P553656
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-T3-8030
Description: ARBOR OUTDOOR ARCHITECTURAL POST TOP
80 CRI, 3000K LEDS AND TYPE III OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3787 lumens
Efficiency: N/A
Efficacy: 78.9 lumens/watt
Luminous Opening: Circular (Dia: 1.62' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

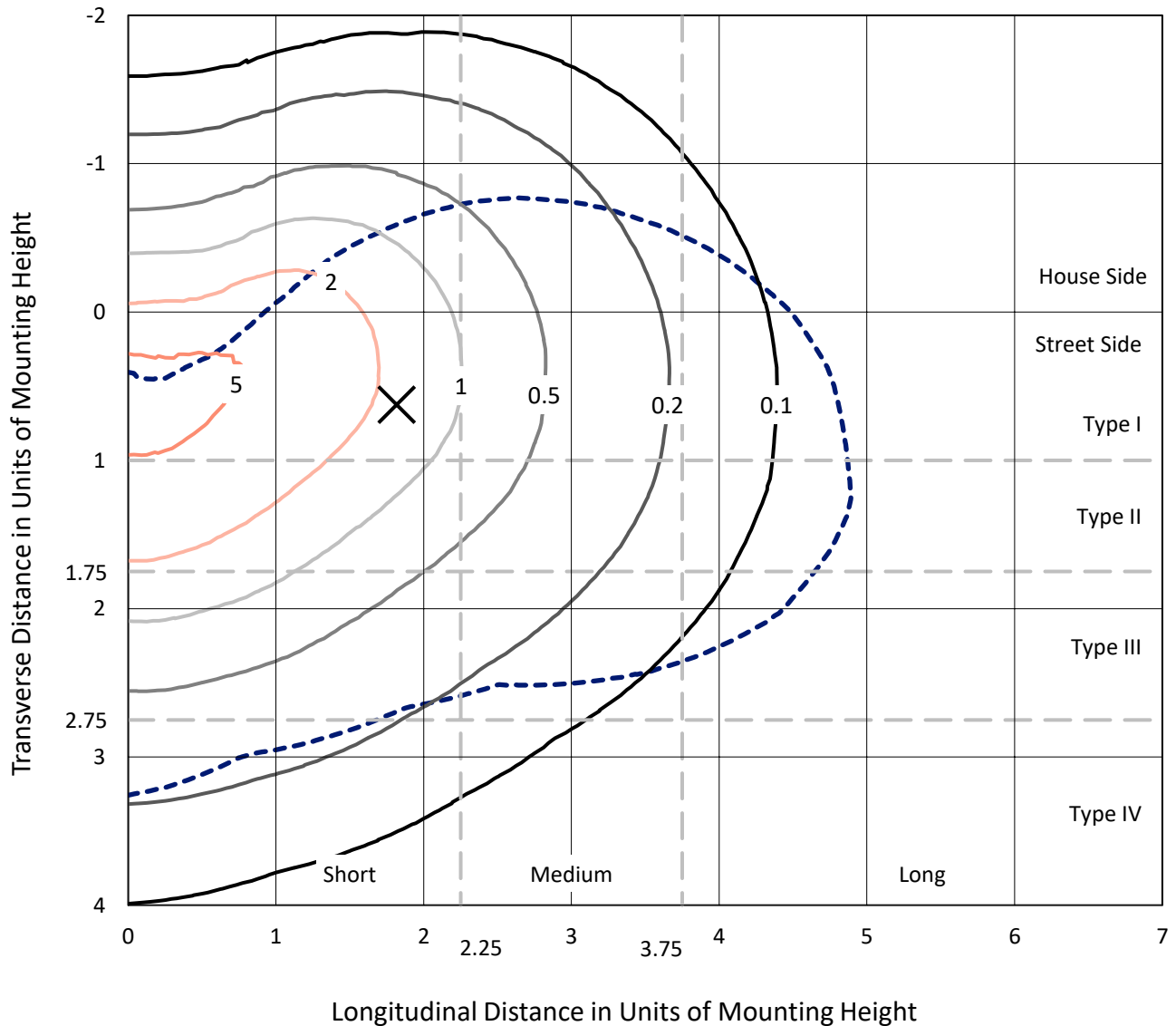
Input Watts (W): 48
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

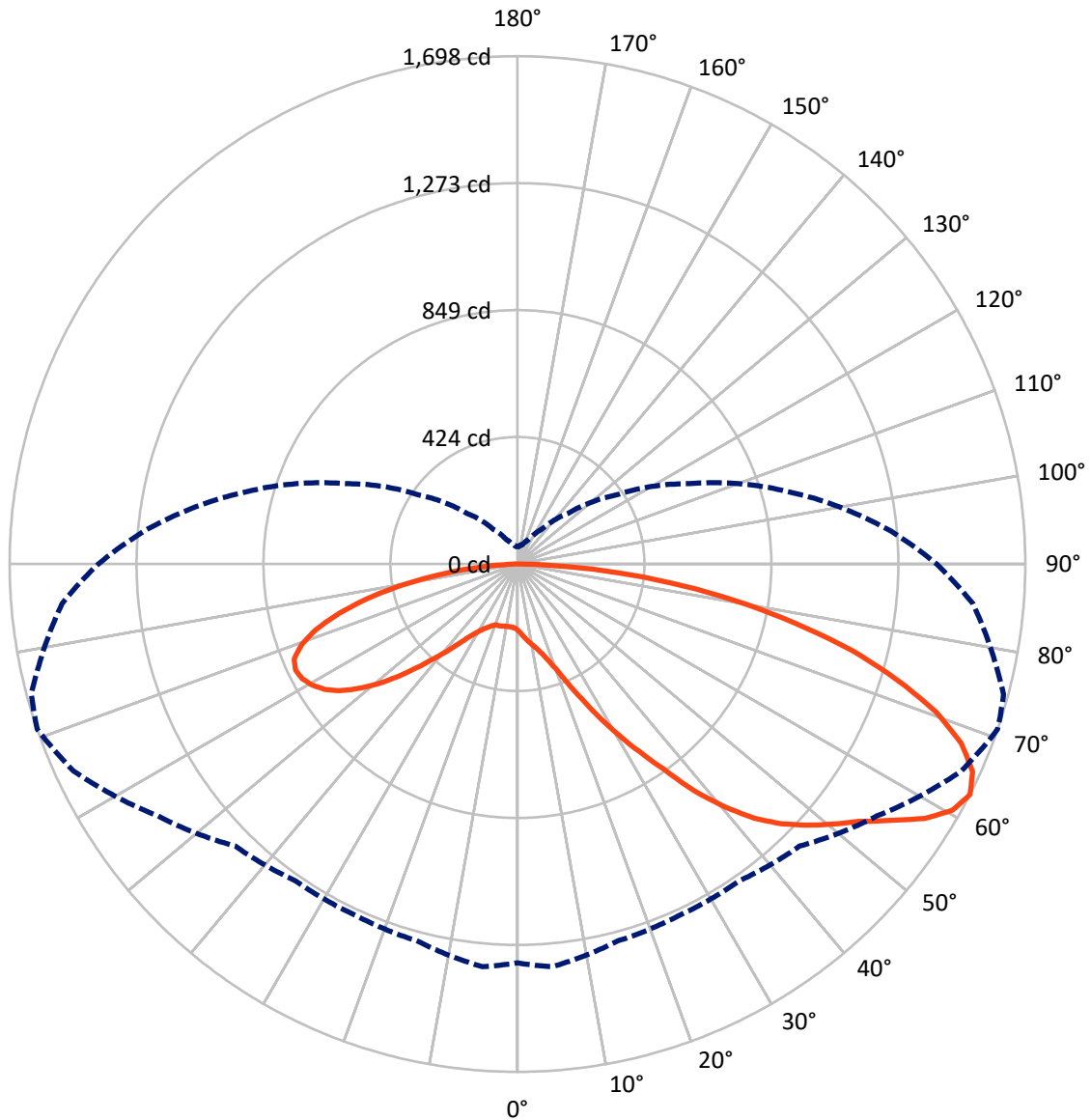
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.8 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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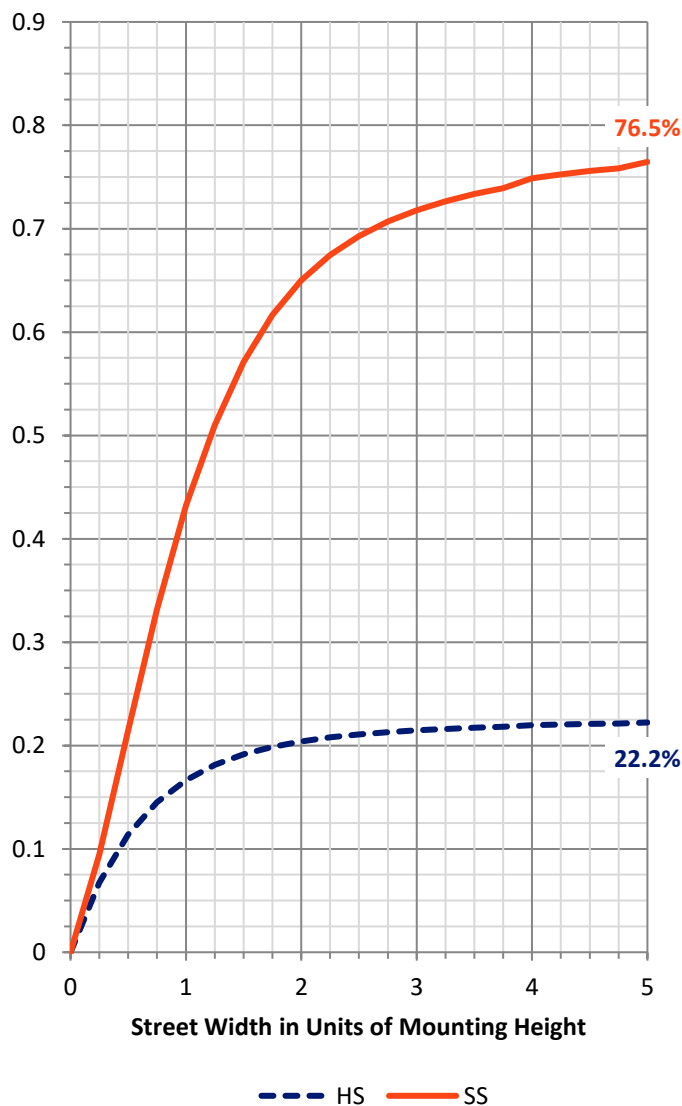
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	851.9	0.0	851.9
	% Fixture	22.5	0.0	22.5
Street Side	Lumens	2935.1	0.0	2935.1
	% Fixture	77.5	0.0	77.5
Total	Lumens	3787.0	0.0	3787.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.9	0.6
10°-20°	85.5	2.3
20°-30°	200.6	5.3
30°-40°	381.1	10.1
40°-50°	596.4	15.7
50°-60°	815.8	21.5
60°-70°	875.5	23.1
70°-80°	628.6	16.6
80°-90°	180.4	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°	3787.0	100.0
0°-180°	3787.0	100.0

Coefficient of Utilization



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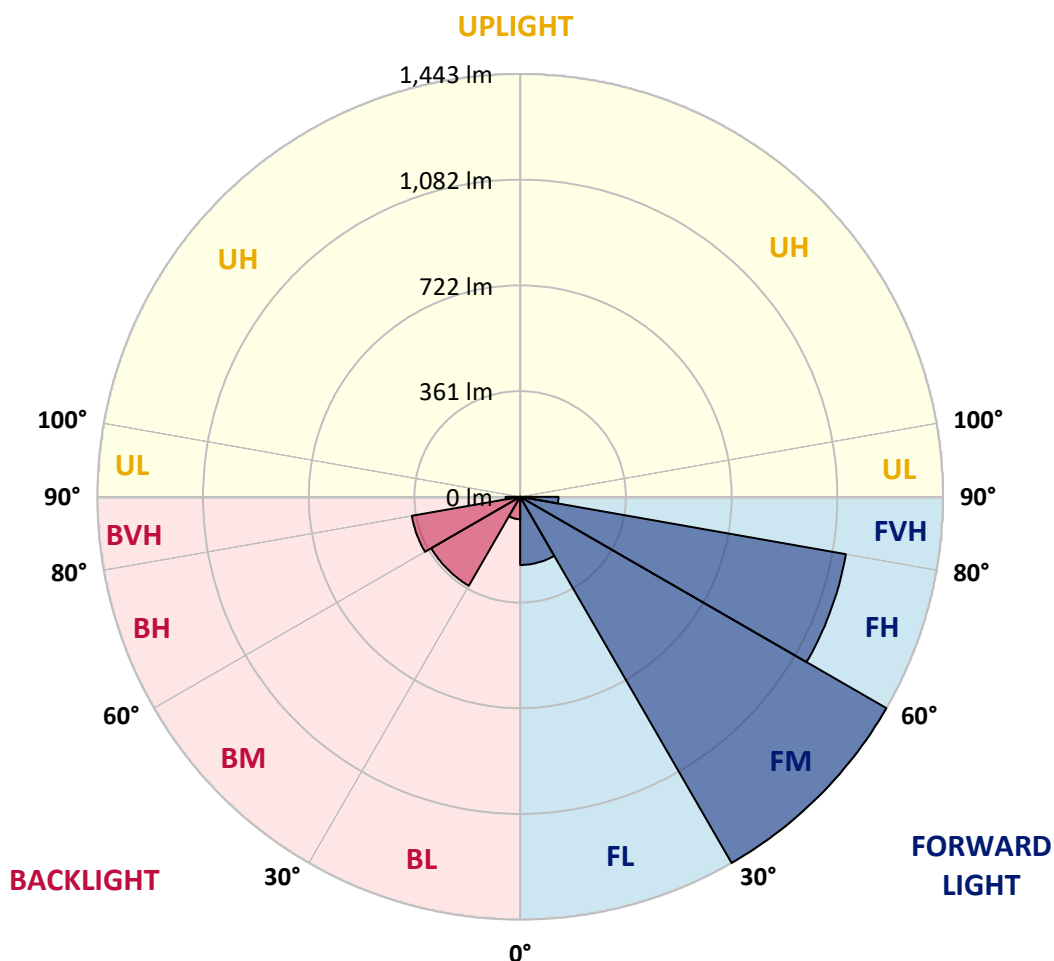
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	232.6	6.1			
FM (30°-60°)	1443.2	38.1			
FH (60°-80°)	1128.8	29.8			G1/1800
FVH (80°-90°)	130.6	3.4			G2/225
BL (0°-30°)	76.5	2.0	B0/110		
BM (30°-60°)	350.2	9.2	B1/1000		
BH (60°-80°)	375.4	9.9	B1/500		G1/500
BVH (80°-90°)	49.8	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°	221.8	221.8	221.8	221.8	221.8	221.8	221.8	221.8	221.8	221.8	221.8
2.5°	257.0	256.1	255.6	253.3	250.2	245.2	241.6	234.9	232.6	229.5	224.9
5°	289.9	289.0	288.5	284.5	278.6	271.8	263.3	253.8	246.6	243.4	232.6
7.5°	327.3	325.0	320.5	313.3	303.8	292.6	281.7	269.1	260.6	254.7	240.3
10°	373.3	371.0	362.9	350.3	334.9	317.4	299.3	284.0	275.0	268.2	248.8
12.5°	419.7	417.4	406.2	390.4	369.2	344.9	320.5	300.7	291.2	282.7	259.7
15°	528.3	527.4	490.0	451.7	415.6	385.4	356.6	326.8	311.5	301.6	273.6
17.5°	717.2	704.1	644.6	562.6	493.2	443.1	406.2	362.0	340.8	325.5	288.5
20°	810.1	803.3	755.1	689.7	608.1	530.1	476.0	420.6	377.8	354.3	302.9
22.5°	867.3	862.8	813.7	766.8	714.1	639.2	557.6	488.2	435.5	398.5	330.4
25°	900.2	898.4	866.0	825.9	783.0	737.5	660.9	569.8	499.0	454.4	364.7
27.5°	916.9	918.3	890.8	866.9	851.6	821.8	764.6	647.8	576.1	522.5	408.9
30°	985.9	985.9	953.9	915.6	915.1	905.2	857.9	731.6	659.5	602.7	470.2
32.5°	1099.9	1112.1	1058.5	997.2	984.5	987.2	945.8	827.7	746.5	695.1	549.1
35°	1242.9	1250.5	1181.1	1099.5	1072.4	1054.9	1026.0	928.6	842.1	788.9	637.9
37.5°	1330.3	1341.1	1283.4	1205.4	1155.8	1124.7	1101.8	1028.3	963.4	908.4	744.3
40°	1402.0	1411.4	1352.4	1268.1	1225.3	1184.2	1169.4	1121.1	1067.0	1017.9	845.7
42.5°	1417.3	1429.5	1361.0	1302.8	1254.6	1226.6	1216.7	1197.8	1161.7	1111.7	944.4
45°	1300.6	1322.6	1330.3	1293.3	1268.1	1256.8	1256.4	1264.9	1238.3	1196.4	1041.8
47.5°	1288.4	1312.7	1296.5	1305.1	1276.2	1273.1	1284.3	1321.3	1304.6	1276.2	1127.4
50°	1427.7	1436.7	1349.2	1351.9	1312.3	1313.6	1325.8	1372.2	1366.8	1347.9	1204.1
52.5°	1497.6	1510.2	1392.1	1361.0	1361.0	1368.2	1383.5	1431.7	1429.5	1423.6	1276.2
55°	1604.4	1613.9	1488.1	1398.8	1392.5	1409.2	1450.7	1505.2	1512.4	1503.0	1357.4
57.5°	1544.4	1562.5	1482.7	1415.5	1393.9	1414.2	1498.5	1582.8	1604.8	1583.2	1436.2
60°	1449.3	1464.6	1406.5	1370.0	1361.0	1389.8	1502.5	1634.1	1671.1	1649.9	1500.3
62.5°	1333.5	1351.0	1303.7	1292.9	1293.3	1333.5	1467.8	1637.3	1697.7	1682.4	1528.7
65°	1193.7	1214.5	1188.3	1199.6	1205.4	1264.9	1400.6	1601.7	1672.0	1668.4	1522.3
67.5°	1078.3	1090.0	1065.7	1091.8	1099.9	1168.5	1315.0	1530.0	1600.3	1600.8	1472.8
70°	969.7	977.8	947.6	973.3	987.7	1060.3	1214.9	1420.9	1485.8	1490.8	1383.0
72.5°	866.0	854.7	821.8	843.0	867.3	940.8	1098.1	1281.2	1329.4	1339.3	1255.5
75°	742.9	726.7	687.9	711.8	733.9	805.1	957.5	1106.3	1157.7	1156.3	1092.7
77.5°	615.8	597.8	562.1	577.5	600.5	665.4	796.1	912.0	947.1	969.2	900.7
80°	464.8	456.7	429.6	438.2	454.9	511.2	623.9	710.5	735.3	736.2	691.5
82.5°	329.1	319.2	303.4	301.6	320.1	363.8	447.2	500.4	513.5	519.8	469.3
85°	176.7	179.9	176.7	161.4	182.1	212.3	259.2	291.2	296.6	306.1	266.0
87.5°	48.7	42.8	47.8	46.0	49.6	56.3	68.1	83.8	85.2	87.0	73.9
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°	221.8	221.8	221.8	221.8	221.8	221.8	221.8	221.8	221.8	221.8	221.8
2.5°	222.2	220.0	215.5	212.3	209.6	207.4	206.5	205.6	204.7	204.2	204.7
5°	227.7	223.1	215.0	208.3	203.3	198.8	196.1	193.4	191.6	191.1	191.1
7.5°	232.6	226.3	215.0	205.6	197.9	191.1	185.3	181.2	178.1	176.7	175.8
10°	239.4	231.3	216.4	204.2	192.9	183.5	176.3	170.9	167.2	166.3	164.5
12.5°	247.5	237.1	218.6	203.3	189.3	177.6	169.0	162.7	158.7	156.0	155.1
15°	258.3	244.3	221.8	202.4	186.2	173.1	163.2	154.6	148.3	144.3	144.3
17.5°	268.7	252.0	225.4	201.5	183.5	168.1	156.0	146.5	139.7	136.6	135.7
20°	277.7	257.9	226.3	199.3	179.4	162.3	148.3	138.8	132.5	128.9	128.9
22.5°	297.5	273.6	234.9	202.9	179.0	158.2	143.8	133.0	125.3	121.3	120.8
25°	325.0	293.0	246.1	207.8	179.0	156.4	139.7	126.7	118.1	114.5	114.1
27.5°	362.4	321.0	260.1	214.6	179.9	154.6	134.8	121.3	112.2	107.7	107.7
30°	410.2	359.7	279.0	222.7	181.7	152.4	130.3	115.0	104.6	99.2	99.2
32.5°	471.1	403.0	304.7	232.6	183.9	150.6	126.2	108.6	97.8	92.4	92.0
35°	554.5	471.1	339.5	248.8	188.4	148.8	121.7	103.2	92.4	87.5	87.0
37.5°	646.0	545.0	386.8	270.0	197.9	149.7	119.9	100.5	89.3	84.3	83.8
40°	746.5	631.1	441.8	297.5	210.1	154.2	120.4	100.5	88.8	83.8	83.4
42.5°	840.7	724.4	499.5	331.8	226.3	162.7	123.5	100.1	87.9	82.0	81.6
45°	927.7	806.9	567.1	376.9	247.5	170.4	125.3	98.3	85.7	80.2	79.3
47.5°	1012.5	888.1	641.9	424.2	271.4	178.5	126.2	97.4	83.8	78.4	78.0
50°	1096.8	976.0	715.9	472.0	295.7	188.4	127.6	97.4	81.1	76.2	75.3
52.5°	1172.5	1052.2	783.9	515.3	321.0	201.1	131.2	96.5	78.9	73.5	73.0
55°	1242.4	1117.1	844.8	555.8	347.6	214.1	136.1	94.2	77.1	70.8	70.3
57.5°	1311.4	1171.2	887.6	591.0	371.0	225.8	139.3	92.9	74.8	67.2	66.3
60°	1368.6	1223.9	916.0	617.1	389.5	234.9	141.1	92.4	71.7	63.1	62.7
62.5°	1401.1	1254.1	935.9	635.2	401.2	240.3	142.5	91.1	68.1	59.5	57.7
65°	1397.5	1255.5	943.1	641.0	405.7	241.2	141.1	87.5	65.8	54.5	52.7
67.5°	1355.6	1224.4	928.2	633.8	399.9	236.2	136.6	81.6	61.8	48.7	48.2
70°	1280.3	1156.7	879.5	605.9	384.5	223.6	128.5	75.3	56.3	44.2	42.8
72.5°	1160.4	1051.7	803.3	562.6	354.3	205.1	118.1	69.0	50.5	41.5	39.2
75°	1016.6	917.8	699.6	496.3	316.0	181.7	104.6	61.8	43.7	38.3	36.5
77.5°	839.8	762.8	580.6	415.2	266.4	156.4	89.3	53.2	36.5	34.7	34.3
80°	644.2	577.0	446.3	323.2	210.5	124.9	73.0	45.5	30.2	29.8	30.7
82.5°	433.7	392.6	302.5	227.7	152.4	90.2	55.0	35.2	24.8	24.8	25.2
85°	238.5	215.9	176.3	125.8	89.7	56.8	37.0	25.7	19.8	19.4	19.8
87.5°	66.7	60.0	50.9	39.2	32.9	23.0	18.5	15.8	14.0	14.0	14.0
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)