

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: McGRAW-EDISON

Report Number: P#

Luminaire Tested: **ARCH3-60-AMB-U-T3-PFS**

Issue Date: 12/16/2024

Test Information

Test Method: LM-79-08
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2406-129-9)
Test Lab: INNOVATION CENTER
Issue Date: 12/16/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: ARCH3-60-AMB-U-T3-PFS
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(1) NARROW BAND AMBER, 600mA LIGHTSQUARES WITH 10 LEDS EACH AND TYPE III OPTICS WITH REAR PERIMETER FENCE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2564 lumens
Efficiency: N/A
Efficacy: 43.7 lumens/watt
Luminous Opening: Rectangular (W 0.58' x L: 0.58' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

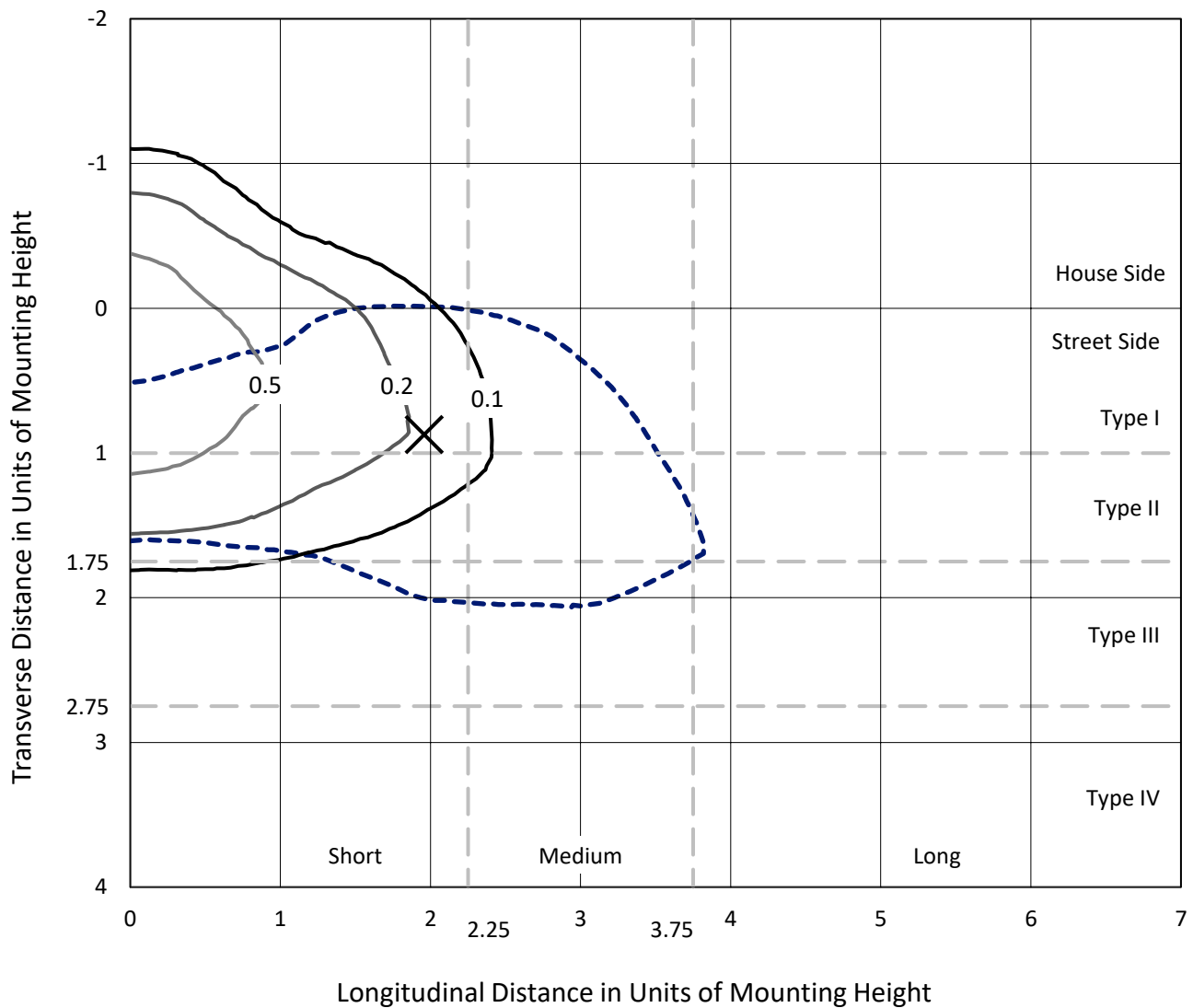
Input Watts (W): 58.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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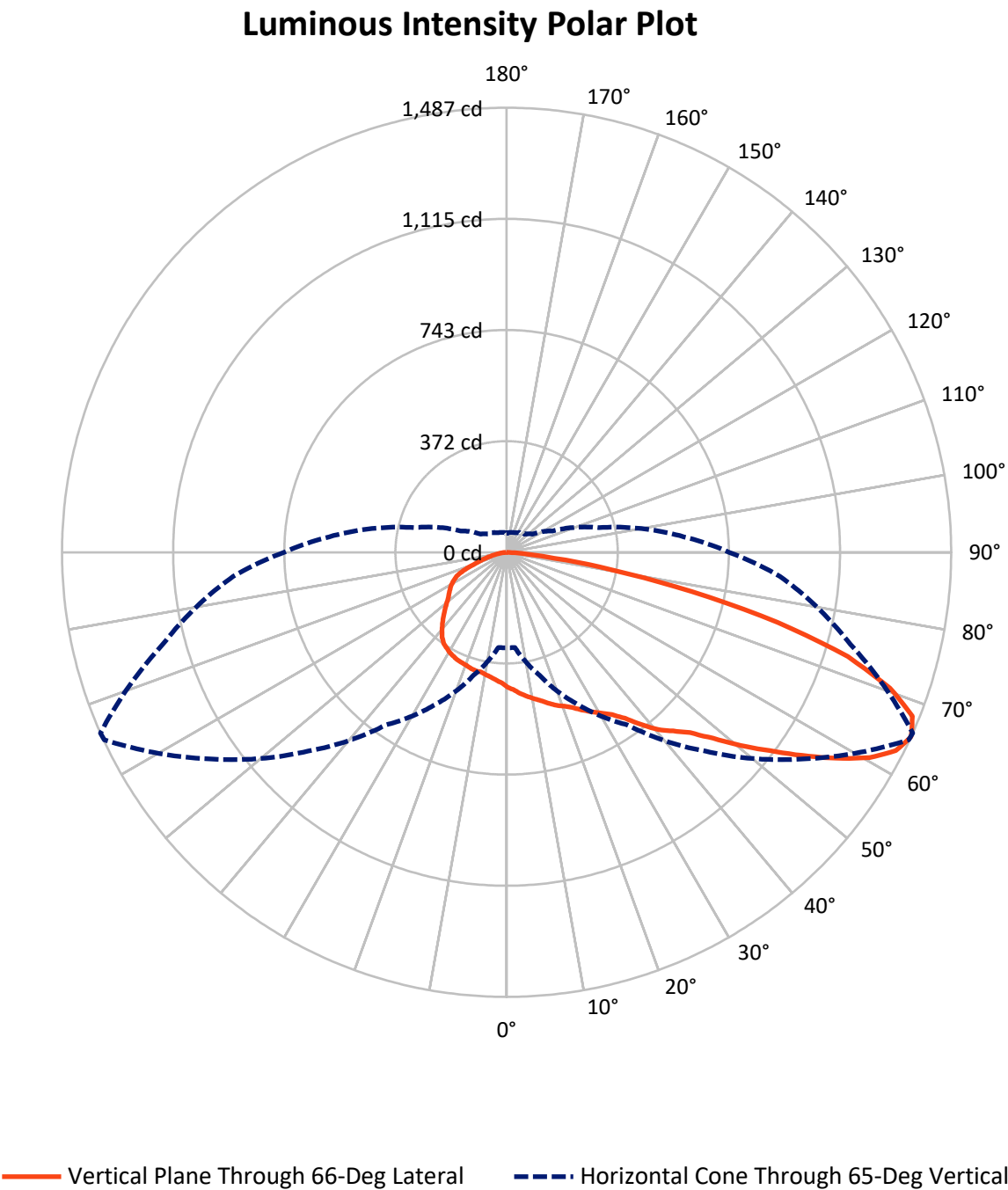
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
 Type III - Short - N/A

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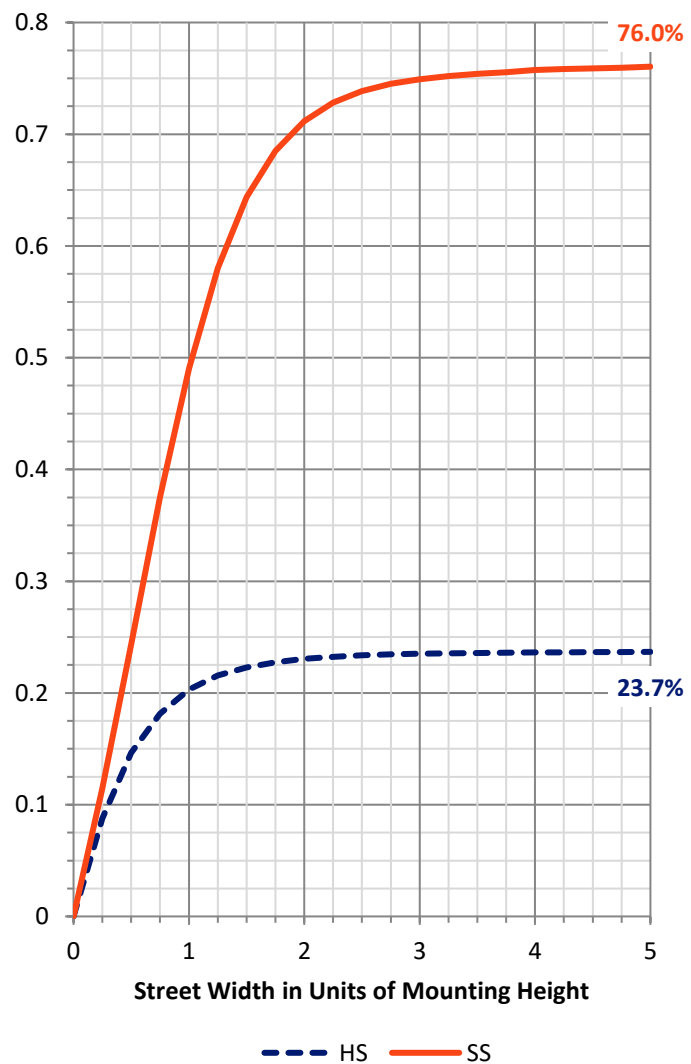
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	611.3	0.0	611.3
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	1952.8	0.0	1952.8
	% Fixture	76.2	0.0	76.2
Total	Lumens	2564.0	0.0	2564.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.2	1.7
10°-20°	137.5	5.4
20°-30°	232.6	9.1
30°-40°	349.1	13.6
40°-50°	468.4	18.3
50°-60°	547.5	21.4
60°-70°	502.3	19.6
70°-80°	251.6	9.8
80°-90°	30.8	1.2
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°	2564.0	100.0
0°-180°	2564.0	100.0

Coefficient of Utilization



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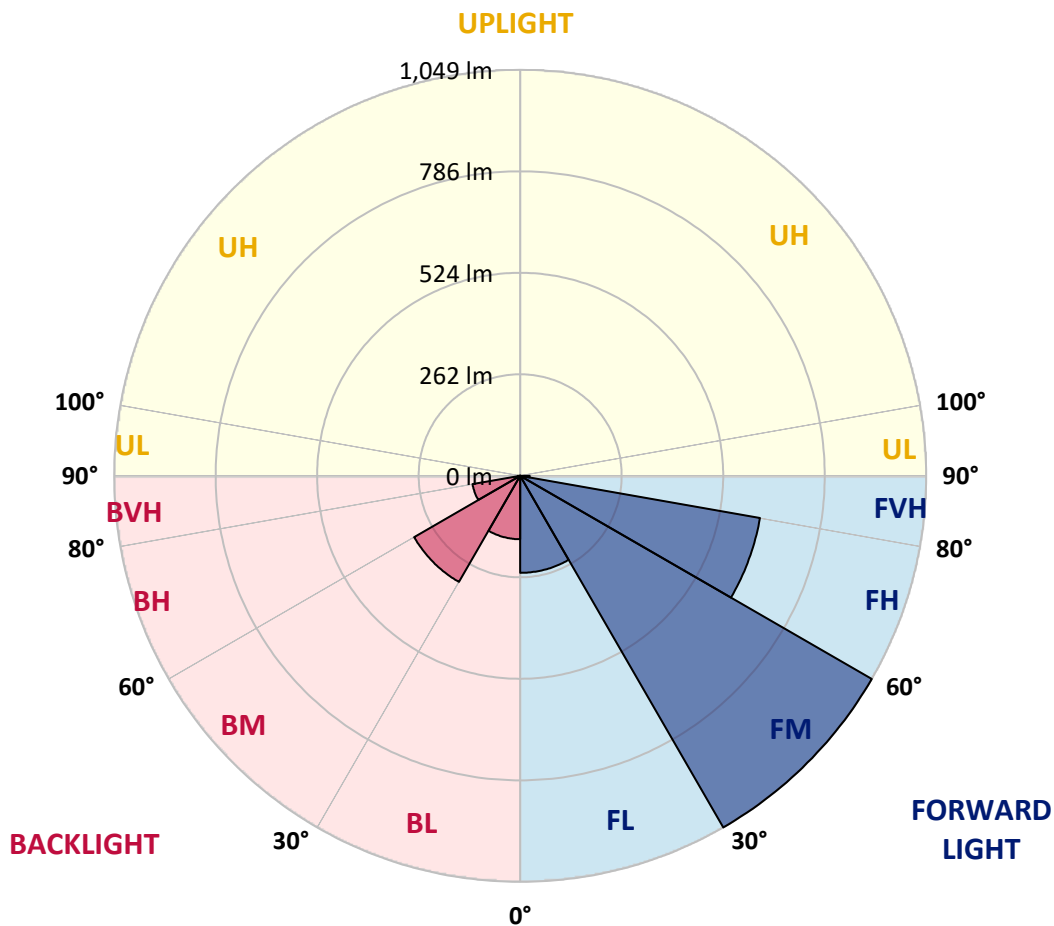
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	250.6	9.8			
FM	(30°-60°)	1048.6	40.9			
FH	(60°-80°)	629.0	24.5			G0/660
FVH	(80°-90°)	24.5	1.0			G1/100
BL	(0°-30°)	163.7	6.4	B1/500		
BM	(30°-60°)	316.3	12.3	B1/1000		
BH	(60°-80°)	124.9	4.9	B1/500		G1/500
BVH	(80°-90°)	6.2	0.2			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	451.4	451.4	451.4	451.4	451.4	451.4	451.4	451.4	451.4	451.4	451.4
2.5°	480.2	483.0	483.0	480.2	477.3	471.5	465.8	460.0	460.0	454.3	451.4
5°	514.7	520.4	517.5	511.8	506.0	497.4	485.9	474.4	474.4	462.9	454.3
7.5°	552.0	554.9	554.9	546.3	534.8	520.4	506.0	488.8	485.9	471.5	454.3
10°	583.7	586.5	583.7	575.0	560.7	540.5	520.4	497.4	497.4	474.4	454.3
12.5°	603.8	606.7	606.7	598.1	583.7	563.5	537.7	508.9	508.9	483.0	457.2
15°	615.3	615.3	621.1	615.3	606.7	589.4	560.7	526.2	523.3	491.7	460.0
17.5°	615.3	618.2	623.9	626.8	626.8	612.4	580.8	540.5	537.7	497.4	462.9
20°	615.3	615.3	623.9	632.6	638.3	629.7	600.9	554.9	549.2	506.0	465.8
22.5°	626.8	626.8	632.6	638.3	646.9	646.9	621.1	569.3	563.5	514.7	471.5
25°	672.8	675.7	672.8	661.3	667.1	667.1	641.2	586.5	583.7	526.2	480.2
27.5°	753.3	753.3	747.6	721.7	710.2	695.8	664.2	609.6	603.8	540.5	488.8
30°	828.1	830.9	828.1	796.4	767.7	730.3	690.1	629.7	623.9	552.0	503.2
32.5°	888.4	891.3	894.2	871.2	830.9	770.6	730.3	652.7	646.9	572.2	520.4
35°	920.1	923.0	931.6	917.2	871.2	816.6	776.3	687.2	681.4	600.9	549.2
37.5°	937.3	940.2	951.7	937.3	888.4	856.8	825.2	736.1	730.3	629.7	572.2
40°	1009.2	1003.5	1009.2	966.1	900.0	885.6	876.9	787.8	779.2	661.3	603.8
42.5°	1069.6	1069.6	1066.7	997.7	928.7	920.1	923.0	828.1	816.6	678.6	612.4
45°	1092.6	1081.1	1069.6	1017.8	986.2	940.2	960.3	871.2	859.7	718.8	644.1
47.5°	1107.0	1092.6	1081.1	1043.7	1026.5	974.7	1003.5	940.2	928.7	764.8	681.4
50°	1089.7	1072.5	1078.2	1058.1	1055.2	1000.6	1046.6	1026.5	1015.0	819.4	736.1
52.5°	1026.5	1020.7	1040.8	1052.3	1038.0	1012.1	1092.6	1118.5	1101.2	876.9	782.1
55°	908.6	908.6	963.2	1009.2	1020.7	1020.7	1141.5	1213.4	1199.0	943.1	822.3
57.5°	782.1	776.3	828.1	937.3	983.3	1029.3	1184.6	1314.0	1299.6	1009.2	853.9
60°	612.4	612.4	678.6	807.9	925.8	1029.3	1222.0	1408.9	1394.5	1078.2	879.8
62.5°	457.2	457.2	554.9	664.2	819.4	1000.6	1233.5	1466.4	1460.6	1138.6	900.0
65°	319.2	319.2	425.5	560.7	704.4	940.2	1204.7	1483.6	1486.5	1190.3	917.2
67.5°	178.3	181.1	293.3	434.2	598.1	868.3	1130.0	1446.2	1463.5	1199.0	879.8
70°	106.4	106.4	186.9	301.9	454.3	787.8	1026.5	1339.9	1360.0	1098.3	796.4
72.5°	80.5	80.5	132.3	201.3	296.1	609.6	882.7	1158.7	1193.2	923.0	635.4
75°	63.3	63.3	86.3	132.3	184.0	347.9	701.6	908.6	937.3	684.3	480.2
77.5°	48.9	51.8	57.5	80.5	103.5	169.6	411.2	600.9	632.6	471.5	347.9
80°	34.5	34.5	37.4	48.9	57.5	77.6	184.0	330.7	356.5	290.4	230.0
82.5°	17.3	17.3	20.1	25.9	28.8	40.3	80.5	152.4	161.0	158.1	140.9
85°	8.6	8.6	8.6	8.6	11.5	17.3	34.5	51.8	54.6	69.0	57.5
87.5°	2.9	2.9	2.9	2.9	2.9	2.9	5.8	8.6	8.6	8.6	8.6
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°	451.4	451.4	451.4	451.4	451.4	451.4	451.4	451.4	451.4	451.4	451.4
2.5°	448.5	445.7	442.8	437.0	437.0	434.2	428.4	428.4	428.4	428.4	425.5
5°	451.4	445.7	437.0	428.4	425.5	422.7	416.9	416.9	416.9	416.9	416.9
7.5°	448.5	439.9	431.3	419.8	416.9	414.0	411.2	408.3	411.2	411.2	408.3
10°	445.7	437.0	425.5	414.0	408.3	405.4	402.5	402.5	402.5	405.4	405.4
12.5°	445.7	434.2	419.8	408.3	405.4	402.5	399.7	399.7	399.7	402.5	402.5
15°	445.7	434.2	416.9	408.3	402.5	399.7	399.7	396.8	399.7	405.4	402.5
17.5°	445.7	431.3	414.0	405.4	399.7	399.7	396.8	393.9	393.9	399.7	399.7
20°	448.5	431.3	414.0	399.7	396.8	393.9	391.0	382.4	382.4	385.3	388.2
22.5°	451.4	431.3	411.2	396.8	391.0	382.4	376.7	368.0	359.4	362.3	362.3
25°	457.2	437.0	411.2	393.9	379.5	370.9	356.5	347.9	336.4	333.5	336.4
27.5°	465.8	442.8	411.2	388.2	368.0	353.7	336.4	319.2	313.4	307.7	310.5
30°	477.3	448.5	411.2	382.4	353.7	327.8	307.7	296.1	290.4	293.3	293.3
32.5°	494.5	460.0	411.2	373.8	333.5	301.9	287.5	281.8	278.9	278.9	281.8
35°	514.7	477.3	414.0	365.2	313.4	278.9	270.3	273.1	270.3	267.4	270.3
37.5°	540.5	500.3	419.8	350.8	293.3	258.8	255.9	261.6	264.5	264.5	264.5
40°	569.3	523.3	419.8	330.7	270.3	244.4	241.5	255.9	258.8	255.9	255.9
42.5°	572.2	511.8	408.3	310.5	250.1	230.0	227.1	244.4	247.3	244.4	244.4
45°	595.2	526.2	399.7	290.4	230.0	215.6	209.9	227.1	238.6	235.8	232.9
47.5°	629.7	546.3	391.0	270.3	215.6	198.4	195.5	209.9	212.8	212.8	207.0
50°	664.2	563.5	382.4	250.1	198.4	184.0	178.3	181.1	184.0	181.1	178.3
52.5°	701.6	580.8	376.7	232.9	184.0	166.8	155.3	155.3	152.4	146.6	146.6
55°	727.4	589.4	368.0	221.4	169.6	146.6	138.0	129.4	129.4	126.5	129.4
57.5°	747.6	595.2	362.3	209.9	155.3	129.4	117.9	112.1	115.0	115.0	115.0
60°	753.3	598.1	353.7	198.4	140.9	112.1	103.5	97.8	100.6	100.6	100.6
62.5°	750.4	598.1	339.3	184.0	123.6	97.8	92.0	83.4	83.4	83.4	83.4
65°	744.7	595.2	319.2	169.6	106.4	86.3	80.5	71.9	69.0	66.1	63.3
67.5°	704.4	557.8	278.9	143.8	92.0	77.6	66.1	54.6	51.8	48.9	48.9
70°	626.8	485.9	207.0	109.3	80.5	63.3	51.8	43.1	37.4	31.6	31.6
72.5°	526.2	391.0	155.3	83.4	60.4	48.9	37.4	28.8	20.1	17.3	17.3
75°	425.5	287.5	115.0	66.1	46.0	31.6	25.9	20.1	14.4	11.5	11.5
77.5°	324.9	198.4	77.6	46.0	28.8	20.1	17.3	14.4	8.6	5.8	5.8
80°	207.0	120.8	51.8	31.6	20.1	14.4	8.6	5.8	2.9	0.0	0.0
82.5°	115.0	69.0	31.6	20.1	11.5	8.6	5.8	5.8	2.9	0.0	0.0
85°	48.9	34.5	20.1	8.6	5.8	2.9	2.9	2.9	2.9	0.0	0.0
87.5°	11.5	8.6	5.8	2.9	2.9	2.9	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)