

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-T2R**

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 (G2-2406-129-4)
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-T2R
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(1) NARROW BAND AMBER, 600mA LIGHTSQUARES WITH 10 LEDS EACH AND TYPE II
ROADWAY OPTICS
Light Source: -
Ballast/Driver: -

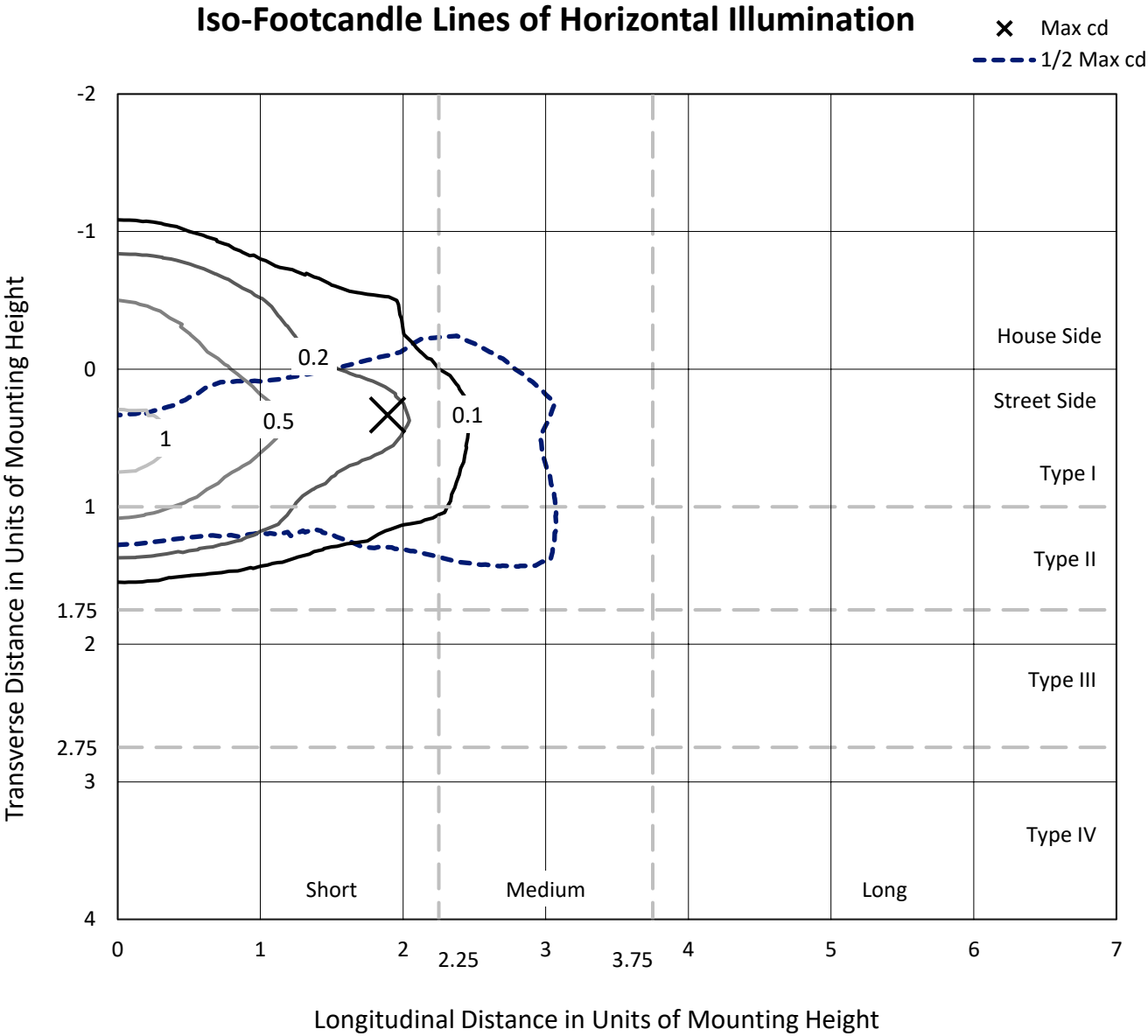
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2650 lumens
Efficiency: N/A
Efficacy: 45.1 lumens/watt
Luminous Opening: Rectangular (W 0.58' x L: 0.58' x H: 0')
IES Classification: Type II - 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



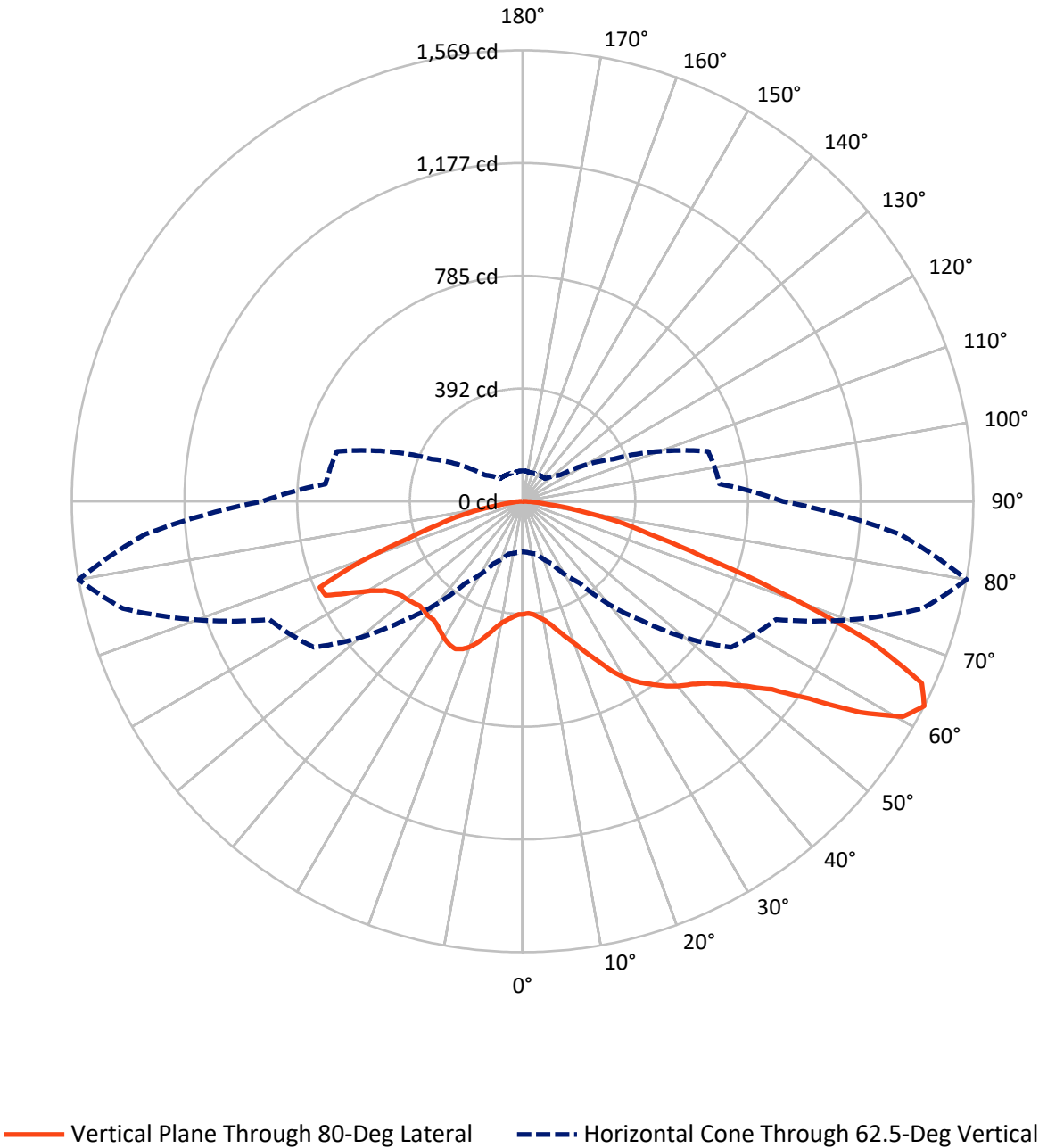
REPORT NUMBER: P#
CATALOG NUMBER: ARCH3-60-AMB-U-T2R



Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
Type II - Short - N/A

REPORT NUMBER: P#
CATALOG NUMBER: ARCH3-60-AMB-U-T2R

Luminous Intensity Polar Plot



REPORT NUMBER: P#

CATALOG NUMBER: ARCH3-60-AMB-U-T2R

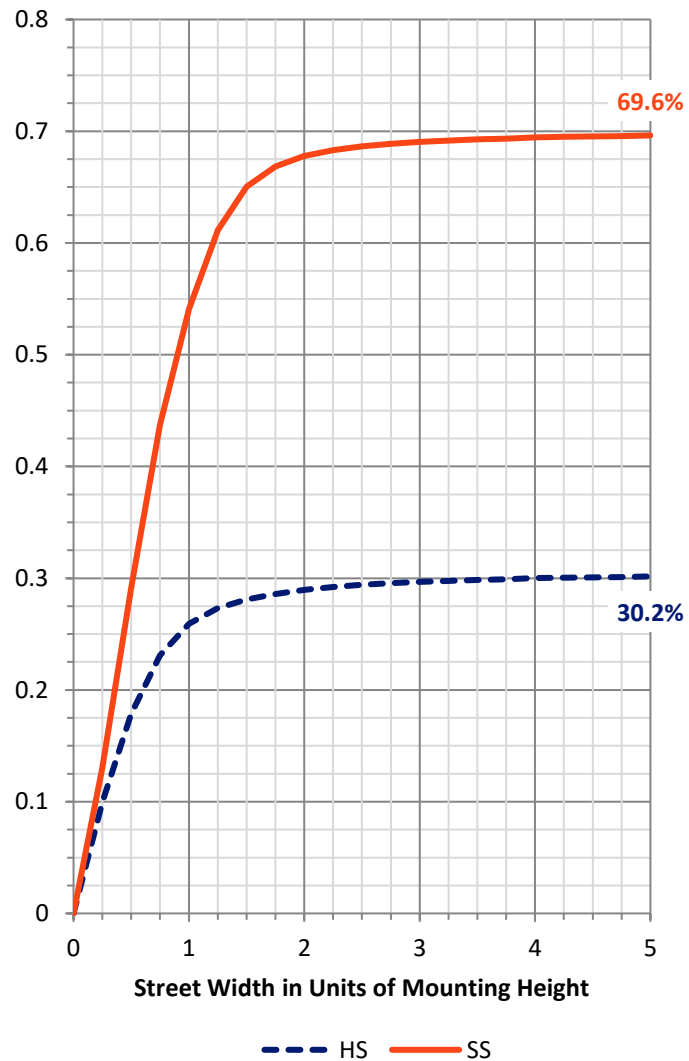
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	804.5	0.0	804.5
	% Fixture	30.4	0.0	30.4
Street Side	Lumens	1845.5	0.0	1845.5
	% Fixture	69.6	0.0	69.6
Total	Lumens	2650.0	0.0	2650.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.8	1.5
10°-20°	154.0	5.8
20°-30°	298.9	11.3
30°-40°	447.0	16.9
40°-50°	535.6	20.2
50°-60°	509.5	19.2
60°-70°	439.5	16.6
70°-80°	197.9	7.5
80°-90°	26.8	1.0
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°	2650.0	100.0
0°-180°	2650.0	100.0

Coefficient of Utilization



REPORT NUMBER: P#

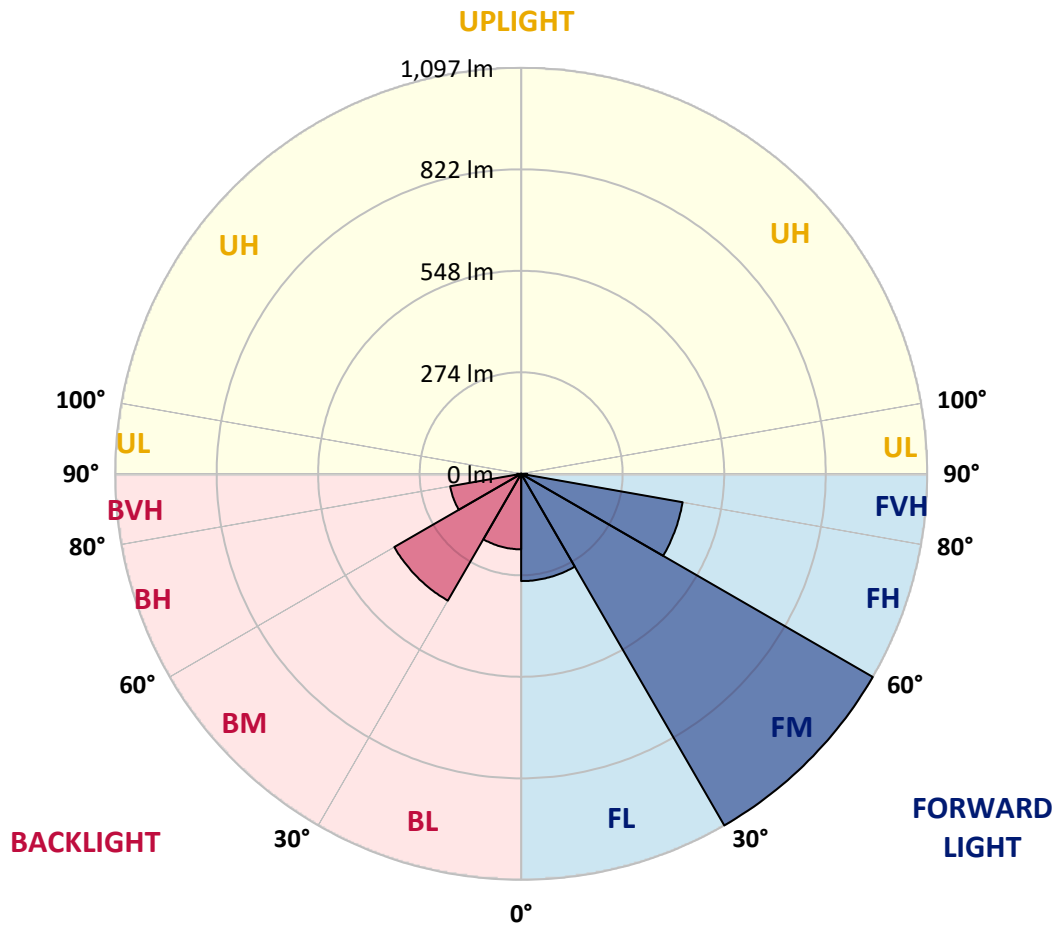
CATALOG NUMBER: ARCH3-60-AMB-U-T2R

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	289.7	10.9			
FM	(30°-60°)	1096.5	41.4			
FH	(60°-80°)	442.8	16.7			G0/660
FVH	(80°-90°)	16.5	0.6			G1/100
BL	(0°-30°)	204.0	7.7	B1/500		
BM	(30°-60°)	395.6	14.9	B1/1000		
BH	(60°-80°)	194.6	7.3	B1/500		G1/500
BVH	(80°-90°)	10.3	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Short



REPORT NUMBER: P#

CATALOG NUMBER: ARCH3-60-AMB-U-T2R

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	80°	85°
0°	393.0	393.0	393.0	393.0	393.0	393.0	393.0	393.0	393.0	393.0	393.0
2.5°	387.5	390.3	393.0	390.3	393.0	390.3	390.3	390.3	390.3	390.3	393.0
5°	409.8	412.6	412.6	407.0	407.0	401.4	398.6	395.8	395.8	395.8	398.6
7.5°	448.8	454.4	454.4	443.2	434.9	423.7	415.3	409.8	404.2	407.0	407.0
10°	515.7	521.3	515.7	493.4	479.5	459.9	440.4	429.3	420.9	420.9	420.9
12.5°	604.9	607.7	599.3	568.7	543.6	512.9	479.5	457.2	443.2	440.4	440.4
15°	688.5	694.1	688.5	649.5	618.8	579.8	532.4	496.2	473.9	468.3	465.5
17.5°	744.3	752.6	752.6	722.0	694.1	655.1	591.0	540.8	504.5	499.0	496.2
20°	805.6	814.0	811.2	777.7	752.6	724.8	657.9	588.2	543.6	532.4	529.6
22.5°	875.3	878.1	869.7	830.7	802.8	774.9	719.2	646.7	588.2	574.2	568.7
25°	942.2	947.8	936.6	894.8	853.0	816.7	774.9	705.2	638.3	618.8	610.5
27.5°	1006.3	1009.1	1009.1	961.7	911.5	864.1	825.1	769.4	691.3	671.8	655.1
30°	1076.0	1073.2	1076.0	1023.0	970.1	919.9	864.1	825.1	744.3	716.4	685.7
32.5°	1165.2	1165.2	1156.8	1076.0	1014.7	970.1	917.1	866.9	786.1	752.6	710.8
35°	1229.3	1234.9	1229.3	1148.5	1062.1	1017.5	972.9	917.1	830.7	783.3	727.5
37.5°	1215.4	1223.7	1232.1	1193.1	1123.4	1078.8	1028.6	975.6	872.5	816.7	747.1
40°	1159.6	1162.4	1176.3	1168.0	1142.9	1129.0	1084.4	1034.2	914.3	844.6	755.4
42.5°	1101.1	1098.3	1106.7	1117.8	1103.9	1137.3	1142.9	1084.4	958.9	869.7	752.6
45°	1050.9	1048.1	1034.2	1045.3	1045.3	1084.4	1173.6	1151.3	1006.3	903.2	761.0
47.5°	997.9	989.6	970.1	967.3	975.6	995.2	1156.8	1220.9	1067.6	950.6	786.1
50°	906.0	903.2	889.2	894.8	922.7	911.5	1070.4	1243.2	1145.7	1011.9	825.1
52.5°	730.3	733.1	744.3	825.1	883.7	858.6	950.6	1215.4	1254.4	1087.1	880.9
55°	518.5	526.8	546.4	669.0	827.9	841.8	853.0	1145.7	1354.7	1212.6	950.6
57.5°	354.0	362.4	384.7	490.6	699.7	841.8	811.2	1045.3	1399.3	1385.4	1056.5
60°	239.7	248.1	264.8	340.1	507.3	777.7	827.9	972.9	1413.3	1522.0	1195.9
62.5°	175.6	178.4	189.6	239.7	348.4	588.2	886.4	972.9	1441.2	1569.4	1318.5
65°	133.8	133.8	142.2	175.6	242.5	395.8	864.1	1081.6	1443.9	1527.6	1368.7
67.5°	108.7	108.7	114.3	131.0	178.4	259.2	652.3	1260.0	1326.9	1312.9	1187.5
70°	89.2	92.0	94.8	105.9	133.8	178.4	415.3	1207.0	1025.8	956.1	942.2
72.5°	69.7	72.5	75.3	86.4	103.1	128.2	239.7	886.4	749.8	649.5	730.3
75°	53.0	53.0	58.5	69.7	80.8	92.0	145.0	524.1	582.6	457.2	582.6
77.5°	39.0	39.0	41.8	53.0	55.8	64.1	89.2	267.6	543.6	337.3	409.8
80°	27.9	27.9	30.7	36.2	39.0	39.0	55.8	119.9	373.5	200.7	209.1
82.5°	13.9	16.7	16.7	19.5	22.3	25.1	30.7	53.0	158.9	97.6	94.8
85°	8.4	8.4	8.4	8.4	11.2	11.2	16.7	22.3	50.2	41.8	44.6
87.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	5.6	5.6	5.6	5.6
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: P#

CATALOG NUMBER: ARCH3-60-AMB-U-T2R

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	393.0	393.0	393.0	393.0	393.0	393.0	393.0	393.0	393.0	393.0	393.0
2.5°	393.0	393.0	395.8	398.6	401.4	404.2	407.0	407.0	409.8	409.8	412.6
5°	398.6	401.4	404.2	412.6	418.1	420.9	426.5	426.5	429.3	432.1	434.9
7.5°	407.0	409.8	418.1	426.5	434.9	440.4	446.0	448.8	451.6	451.6	454.4
10°	420.9	423.7	432.1	443.2	457.2	462.7	468.3	468.3	468.3	471.1	471.1
12.5°	440.4	443.2	454.4	471.1	485.0	490.6	490.6	487.8	487.8	487.8	490.6
15°	468.3	471.1	485.0	501.8	512.9	512.9	510.1	504.5	501.8	504.5	507.3
17.5°	499.0	501.8	515.7	526.8	529.6	521.3	515.7	510.1	507.3	510.1	512.9
20°	529.6	532.4	538.0	538.0	526.8	512.9	507.3	501.8	499.0	504.5	507.3
22.5°	563.1	560.3	549.1	529.6	510.1	490.6	485.0	482.2	482.2	485.0	487.8
25°	599.3	585.4	543.6	512.9	487.8	468.3	459.9	454.4	454.4	457.2	459.9
27.5°	627.2	593.7	526.8	490.6	471.1	448.8	437.6	426.5	423.7	423.7	426.5
30°	643.9	593.7	507.3	473.9	457.2	432.1	412.6	398.6	390.3	384.7	387.5
32.5°	646.7	585.4	487.8	459.9	446.0	420.9	393.0	370.7	359.6	354.0	354.0
35°	646.7	571.4	476.7	454.4	440.4	407.0	373.5	345.7	334.5	326.1	328.9
37.5°	649.5	563.1	468.3	454.4	434.9	395.8	356.8	331.7	315.0	301.1	301.1
40°	655.1	563.1	471.1	457.2	426.5	379.1	340.1	309.4	284.3	270.4	273.2
42.5°	635.6	551.9	471.1	457.2	412.6	362.4	317.8	281.5	259.2	248.1	248.1
45°	624.4	546.4	473.9	457.2	395.8	331.7	281.5	250.9	234.2	225.8	225.8
47.5°	638.3	554.7	482.2	454.4	362.4	289.9	242.5	217.4	206.3	195.1	195.1
50°	663.4	565.9	487.8	446.0	326.1	245.3	203.5	184.0	172.8	167.3	167.3
52.5°	694.1	574.2	493.4	429.3	284.3	209.1	175.6	156.1	145.0	142.2	142.2
55°	735.9	591.0	504.5	409.8	250.9	181.2	150.5	133.8	128.2	125.4	125.4
57.5°	786.1	610.5	529.6	393.0	223.0	153.3	131.0	119.9	119.9	119.9	119.9
60°	847.4	643.9	582.6	373.5	192.3	131.0	117.1	114.3	111.5	114.3	114.3
62.5°	906.0	688.5	669.0	348.4	158.9	111.5	108.7	105.9	103.1	105.9	105.9
65°	950.6	749.8	769.4	306.6	125.4	100.4	97.6	94.8	94.8	100.4	100.4
67.5°	914.3	763.8	769.4	242.5	103.1	89.2	86.4	86.4	89.2	92.0	94.8
70°	783.3	680.2	526.8	164.5	83.6	78.1	78.1	75.3	78.1	83.6	83.6
72.5°	613.3	535.2	301.1	105.9	66.9	64.1	66.9	66.9	69.7	75.3	78.1
75°	526.8	437.6	167.3	69.7	53.0	53.0	58.5	58.5	58.5	64.1	64.1
77.5°	451.6	348.4	103.1	47.4	41.8	41.8	44.6	47.4	44.6	44.6	44.6
80°	276.0	197.9	61.3	36.2	30.7	30.7	33.5	33.5	33.5	33.5	33.5
82.5°	122.7	89.2	33.5	25.1	19.5	19.5	19.5	22.3	19.5	19.5	19.5
85°	53.0	41.8	19.5	13.9	11.2	8.4	8.4	8.4	5.6	5.6	5.6
87.5°	8.4	5.6	5.6	5.6	2.8	2.8	2.8	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)