

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-T2U-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 (G2-2406-129-3)
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-T2U-PFS
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(1) NARROW BAND AMBER, 600mA LIGHTSQUARES WITH 10 LEDS EACH AND TYPE II U OPTICS WITH REAR PERIMETER FENCE SHIELD
Light Source: -
Ballast/Driver: -

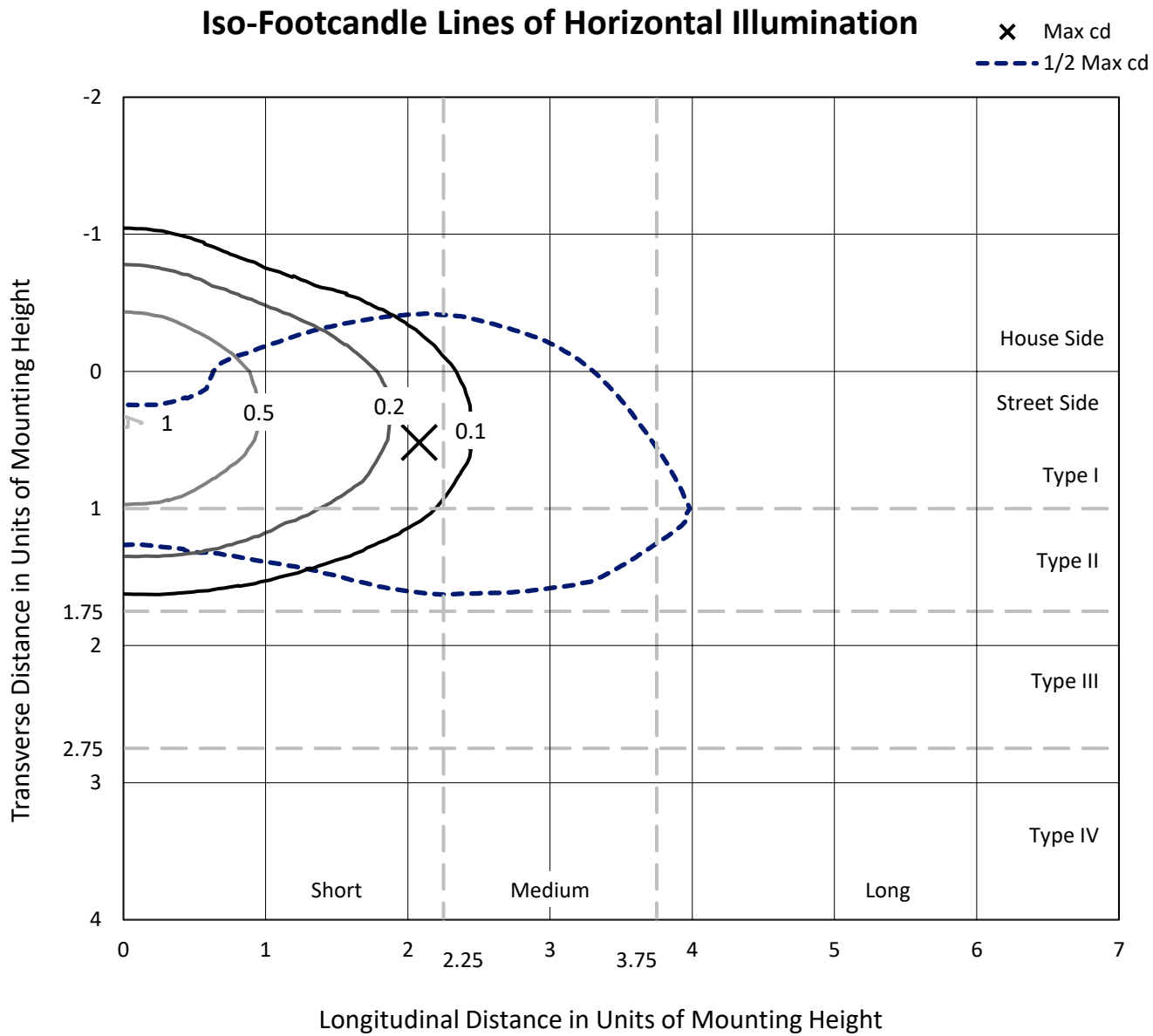
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2587 lumens
Efficiency: N/A
Efficacy: 44.1 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

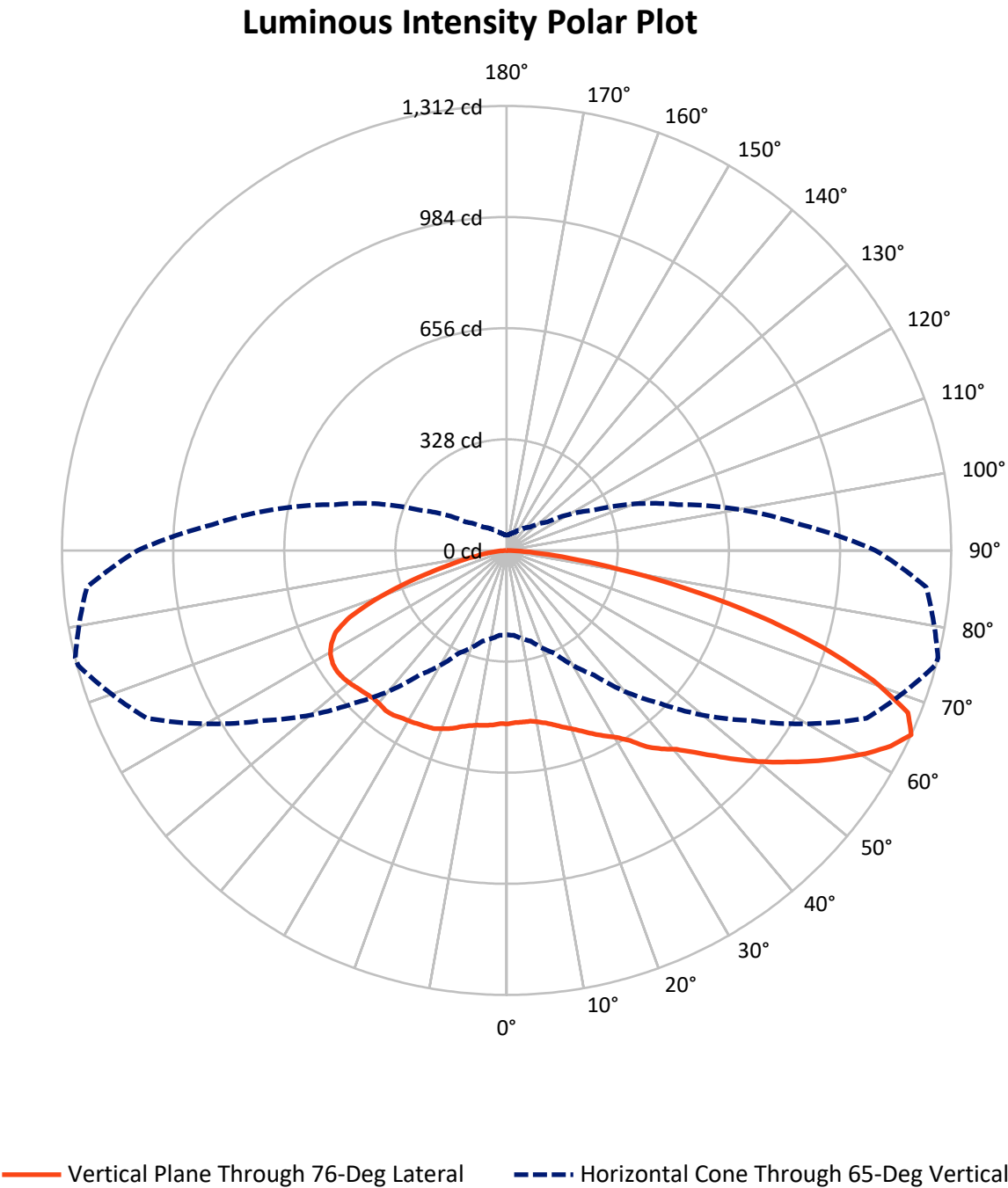


REPORT NUMBER: P#
CATALOG NUMBER: ARCH3-60-AMB-U-T2U-PFS



Based on 25 foot mounting height. Maximum calculated value = 1 fc
Type II - Short - N/A

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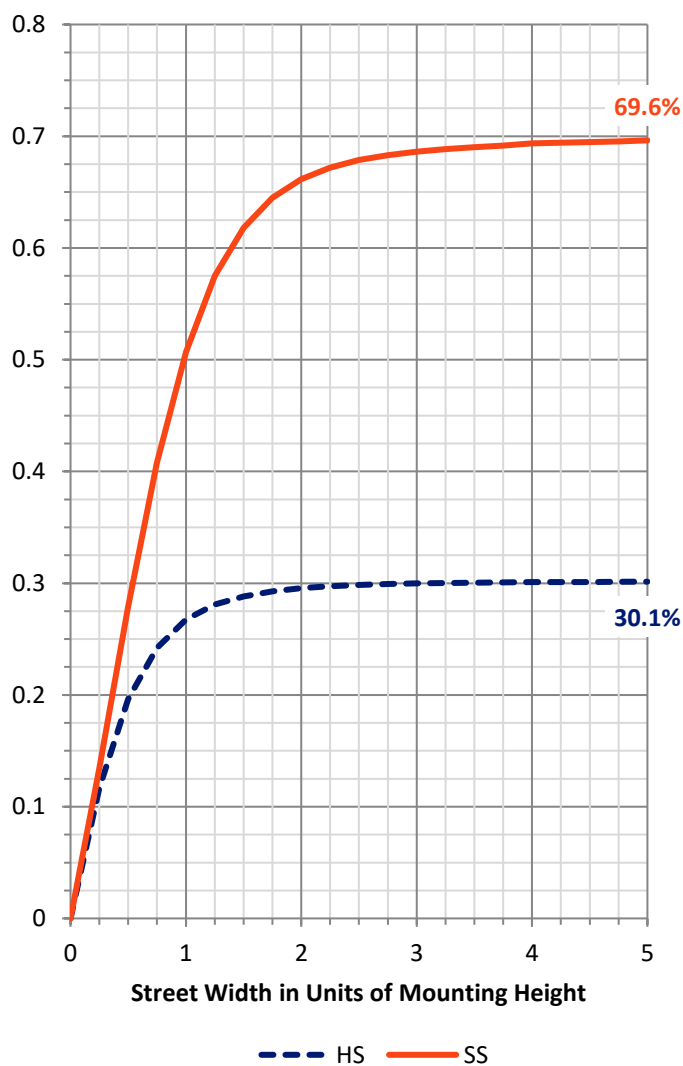
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	785.0	0.0	785.0
	% Fixture	30.3	0.0	30.3
Street Side	Lumens	1802.0	0.0	1802.0
	% Fixture	69.7	0.0	69.7
Total	Lumens	2587.0	0.0	2587.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.4	1.9
10°-20°	156.5	6.1
20°-30°	276.2	10.7
30°-40°	384.3	14.9
40°-50°	476.4	18.4
50°-60°	514.2	19.9
60°-70°	467.4	18.1
70°-80°	230.6	8.9
80°-90°	32.0	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°	2587.0	100.0
0°-180°	2587.0	100.0

Coefficient of Utilization



REPORT NUMBER: P#

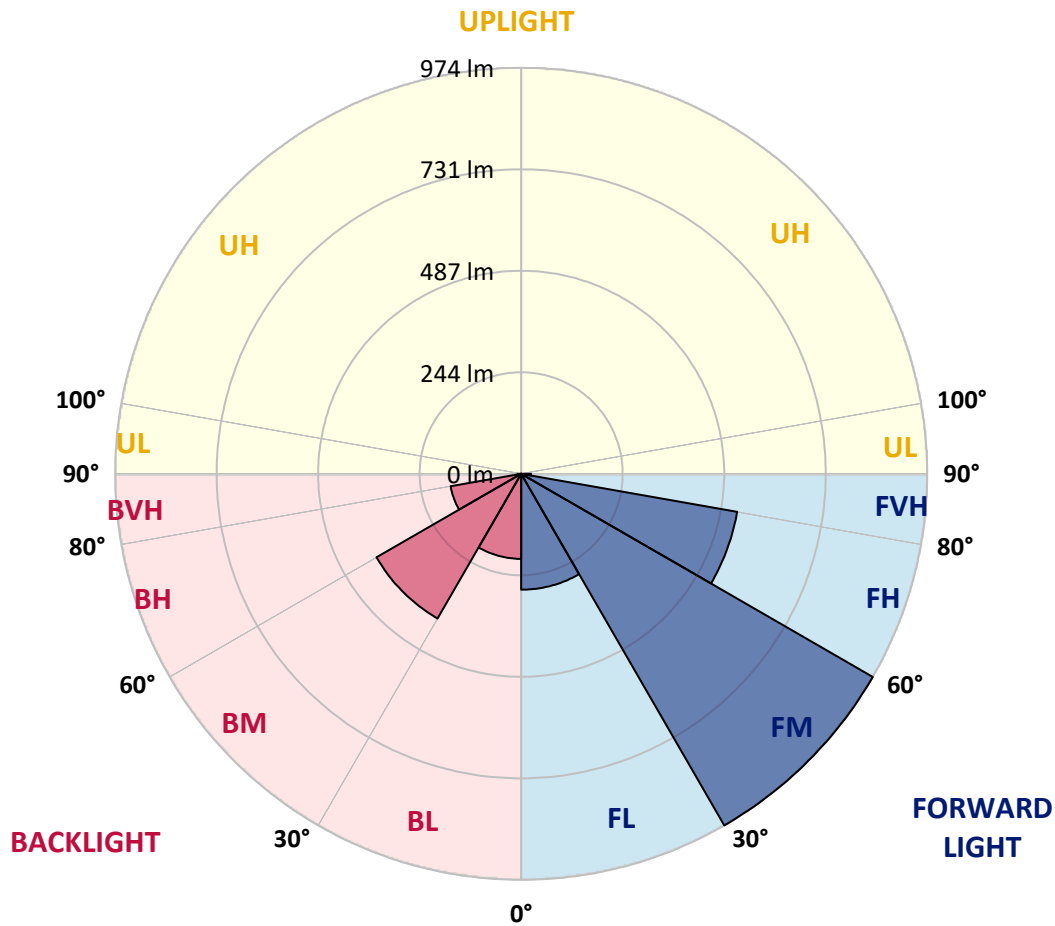
CATALOG NUMBER: ARCH3-60-AMB-U-T2U-PFS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	278.1	10.7			
FM	(30°-60°)	974.1	37.7			
FH	(60°-80°)	526.1	20.3			G0/660
FVH	(80°-90°)	23.7	0.9			G1/100
BL	(0°-30°)	204.0	7.9	B1/500		
BM	(30°-60°)	400.8	15.5	B1/1000		
BH	(60°-80°)	171.9	6.6	B1/500		G1/500
BVH	(80°-90°)	8.4	0.3			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 II Short



REPORT NUMBER: P#

CATALOG NUMBER: ARCH3-60-AMB-U-T2U-PFS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	511.7	511.7	511.7	511.7	511.7	511.7	511.7	511.7	511.7	511.7	511.7
2.5°	506.0	506.0	508.8	506.0	506.0	506.0	506.0	506.0	506.0	508.8	511.7
5°	514.5	514.5	514.5	511.7	508.8	508.8	508.8	506.0	506.0	508.8	511.7
7.5°	534.6	534.6	534.6	528.8	520.3	514.5	511.7	511.7	508.8	508.8	514.5
10°	571.7	568.9	566.0	554.6	543.1	528.8	523.1	517.4	514.5	514.5	517.4
12.5°	623.2	620.3	611.7	597.4	574.6	554.6	540.3	528.8	523.1	523.1	526.0
15°	677.5	680.3	668.9	646.0	617.4	586.0	560.3	543.1	534.6	534.6	540.3
17.5°	740.4	740.4	728.9	703.2	663.2	623.2	588.9	563.1	548.8	548.8	551.7
20°	774.7	771.8	766.1	746.1	714.6	666.0	620.3	583.1	563.1	563.1	563.1
22.5°	800.4	797.5	794.7	783.2	751.8	711.8	654.6	608.9	580.3	580.3	577.4
25°	811.8	806.1	809.0	806.1	791.8	757.5	700.3	634.6	600.3	600.3	594.6
27.5°	820.4	817.5	823.3	823.3	811.8	791.8	743.2	663.2	623.2	620.3	611.7
30°	831.8	829.0	834.7	840.4	834.7	820.4	774.7	700.3	646.0	640.3	631.7
32.5°	837.6	834.7	843.3	854.7	851.9	843.3	803.3	731.8	677.5	668.9	657.5
35°	846.1	843.3	849.0	866.1	869.0	863.3	831.8	766.1	717.5	711.8	691.8
37.5°	854.7	851.9	857.6	877.6	883.3	883.3	863.3	803.3	748.9	743.2	720.4
40°	851.9	851.9	871.9	889.0	891.9	897.6	894.7	840.4	777.5	771.8	746.1
42.5°	869.0	877.6	897.6	897.6	891.9	903.3	914.7	874.7	823.3	814.7	783.2
45°	834.7	831.8	866.1	886.2	883.3	906.2	940.5	917.6	874.7	866.1	823.3
47.5°	797.5	791.8	809.0	846.1	863.3	906.2	963.3	969.1	931.9	923.3	869.0
50°	714.6	714.6	763.2	806.1	837.6	906.2	983.3	1020.5	989.1	980.5	917.6
52.5°	614.6	614.6	657.5	757.5	809.0	894.7	1000.5	1069.1	1046.2	1037.7	966.2
55°	543.1	551.7	597.4	668.9	766.1	866.1	1009.1	1114.8	1106.3	1097.7	1023.4
57.5°	460.2	471.7	517.4	583.1	706.1	817.5	1003.4	1154.9	1166.3	1157.7	1083.4
60°	380.2	388.8	423.1	500.2	631.7	771.8	977.6	1183.4	1223.5	1217.7	1154.9
62.5°	311.6	317.3	345.9	414.5	540.3	708.9	934.8	1194.9	1274.9	1272.1	1212.0
65°	248.7	251.6	277.3	334.5	448.8	637.5	874.7	1172.0	1309.2	1312.1	1243.5
67.5°	188.7	191.5	220.1	260.1	360.2	540.3	803.3	1106.3	1269.2	1277.8	1166.3
70°	128.6	131.5	165.8	203.0	274.4	423.1	686.1	969.1	1137.7	1146.3	989.1
72.5°	91.5	94.3	125.8	160.1	208.7	311.6	520.3	811.8	971.9	971.9	803.3
75°	68.6	68.6	88.6	122.9	157.2	208.7	345.9	620.3	769.0	766.1	606.0
77.5°	45.7	48.6	57.2	82.9	105.8	140.1	211.5	423.1	557.4	543.1	425.9
80°	28.6	31.4	34.3	54.3	62.9	77.2	114.3	223.0	343.0	334.5	263.0
82.5°	14.3	14.3	17.2	25.7	31.4	42.9	60.0	114.3	188.7	185.8	160.1
85°	2.9	2.9	5.7	5.7	11.4	17.2	28.6	45.7	82.9	82.9	74.3
87.5°	2.9	2.9	2.9	2.9	2.9	2.9	5.7	5.7	8.6	11.4	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

REPORT NUMBER: P#

CATALOG NUMBER: ARCH3-60-AMB-U-T2U-PFS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	511.7	511.7	511.7	511.7	511.7	511.7	511.7	511.7	511.7	511.7	511.7
2.5°	511.7	508.8	511.7	511.7	514.5	517.4	517.4	517.4	520.3	520.3	520.3
5°	511.7	511.7	517.4	517.4	520.3	520.3	520.3	520.3	520.3	523.1	523.1
7.5°	514.5	514.5	520.3	520.3	520.3	517.4	514.5	511.7	511.7	511.7	511.7
10°	520.3	520.3	523.1	520.3	517.4	508.8	503.1	497.4	491.7	491.7	494.5
12.5°	526.0	526.0	528.8	520.3	511.7	500.2	488.8	480.2	477.4	477.4	477.4
15°	540.3	537.4	537.4	523.1	508.8	491.7	480.2	471.7	465.9	465.9	465.9
17.5°	554.6	551.7	548.8	526.0	503.1	483.1	471.7	463.1	457.4	457.4	457.4
20°	566.0	566.0	557.4	526.0	500.2	477.4	463.1	454.5	445.9	443.1	443.1
22.5°	580.3	580.3	566.0	526.0	494.5	468.8	454.5	437.4	425.9	420.2	420.2
25°	597.4	591.7	568.9	523.1	486.0	460.2	437.4	414.5	394.5	385.9	385.9
27.5°	611.7	603.2	571.7	517.4	477.4	445.9	417.4	383.0	360.2	351.6	351.6
30°	628.9	620.3	574.6	511.7	465.9	423.1	383.0	351.6	331.6	325.9	325.9
32.5°	651.8	634.6	577.4	506.0	448.8	394.5	351.6	325.9	308.7	300.1	297.3
35°	680.3	651.8	583.1	503.1	428.8	360.2	323.0	303.0	283.0	274.4	274.4
37.5°	708.9	674.6	583.1	486.0	405.9	331.6	303.0	277.3	263.0	254.4	254.4
40°	728.9	683.2	577.4	468.8	377.3	308.7	274.4	254.4	245.8	243.0	243.0
42.5°	754.7	703.2	574.6	454.5	348.7	285.9	251.6	237.3	231.5	225.8	225.8
45°	786.1	728.9	577.4	440.2	328.7	260.1	228.7	217.3	211.5	203.0	203.0
47.5°	826.1	757.5	580.3	425.9	308.7	237.3	208.7	194.4	180.1	171.5	168.7
50°	863.3	783.2	586.0	405.9	283.0	217.3	185.8	165.8	148.6	137.2	134.4
52.5°	906.2	814.7	588.9	383.0	260.1	197.2	160.1	134.4	120.1	108.6	108.6
55°	954.8	846.1	588.9	363.0	237.3	174.4	134.4	108.6	100.0	97.2	94.3
57.5°	1006.2	871.9	583.1	340.2	217.3	154.4	114.3	97.2	88.6	85.8	85.8
60°	1054.8	889.0	571.7	317.3	200.1	128.6	100.0	85.8	80.0	77.2	74.3
62.5°	1092.0	891.9	551.7	300.1	174.4	111.5	88.6	74.3	65.7	62.9	62.9
65°	1089.1	871.9	523.1	280.1	145.8	97.2	77.2	60.0	51.5	45.7	45.7
67.5°	1000.5	803.3	468.8	245.8	120.1	85.8	62.9	45.7	40.0	34.3	34.3
70°	849.0	694.6	380.2	177.2	102.9	68.6	48.6	34.3	25.7	20.0	20.0
72.5°	694.6	580.3	280.1	122.9	77.2	51.5	34.3	22.9	17.2	14.3	14.3
75°	526.0	437.4	188.7	88.6	54.3	31.4	22.9	17.2	11.4	8.6	8.6
77.5°	380.2	300.1	125.8	62.9	34.3	20.0	17.2	11.4	5.7	2.9	2.9
80°	243.0	185.8	80.0	40.0	20.0	11.4	8.6	5.7	2.9	0.0	0.0
82.5°	148.6	111.5	51.5	25.7	11.4	5.7	5.7	2.9	2.9	0.0	0.0
85°	68.6	60.0	31.4	11.4	5.7	2.9	2.9	2.9	0.0	0.0	0.0
87.5°	11.4	11.4	5.7	2.9	2.9	0.0	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)