

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-HSS**

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 (G2-2406-129-8)
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-HSS
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(1) NARROW BAND AMBER, 600mA LIGHTSQUARES WITH 10 LEDS EACH AND TYPE III OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

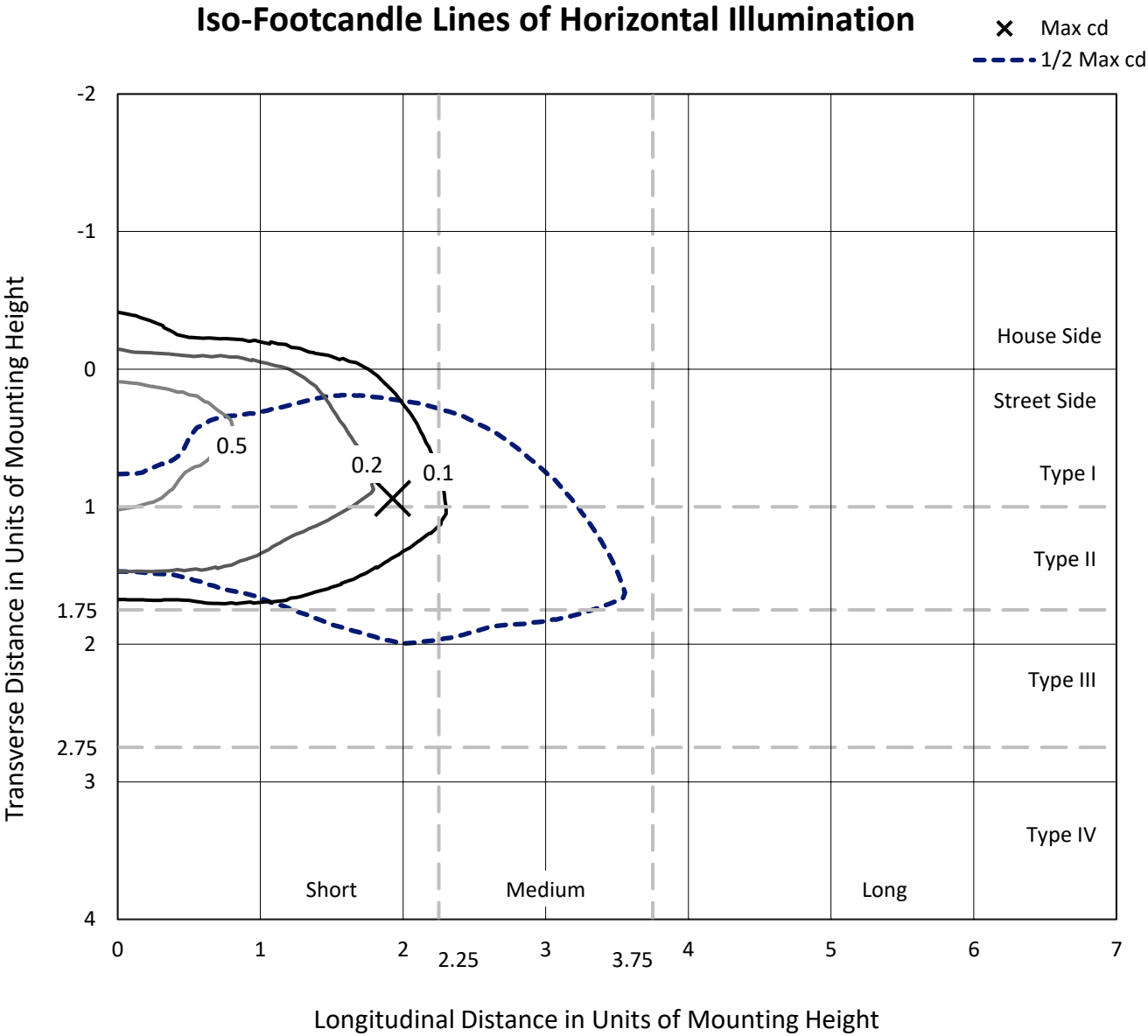
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1834 lumens
Efficiency: N/A
Efficacy: 31.2 lumens/watt
Luminous Opening: Rectangular (W 0.58' x L: 0.58' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - 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

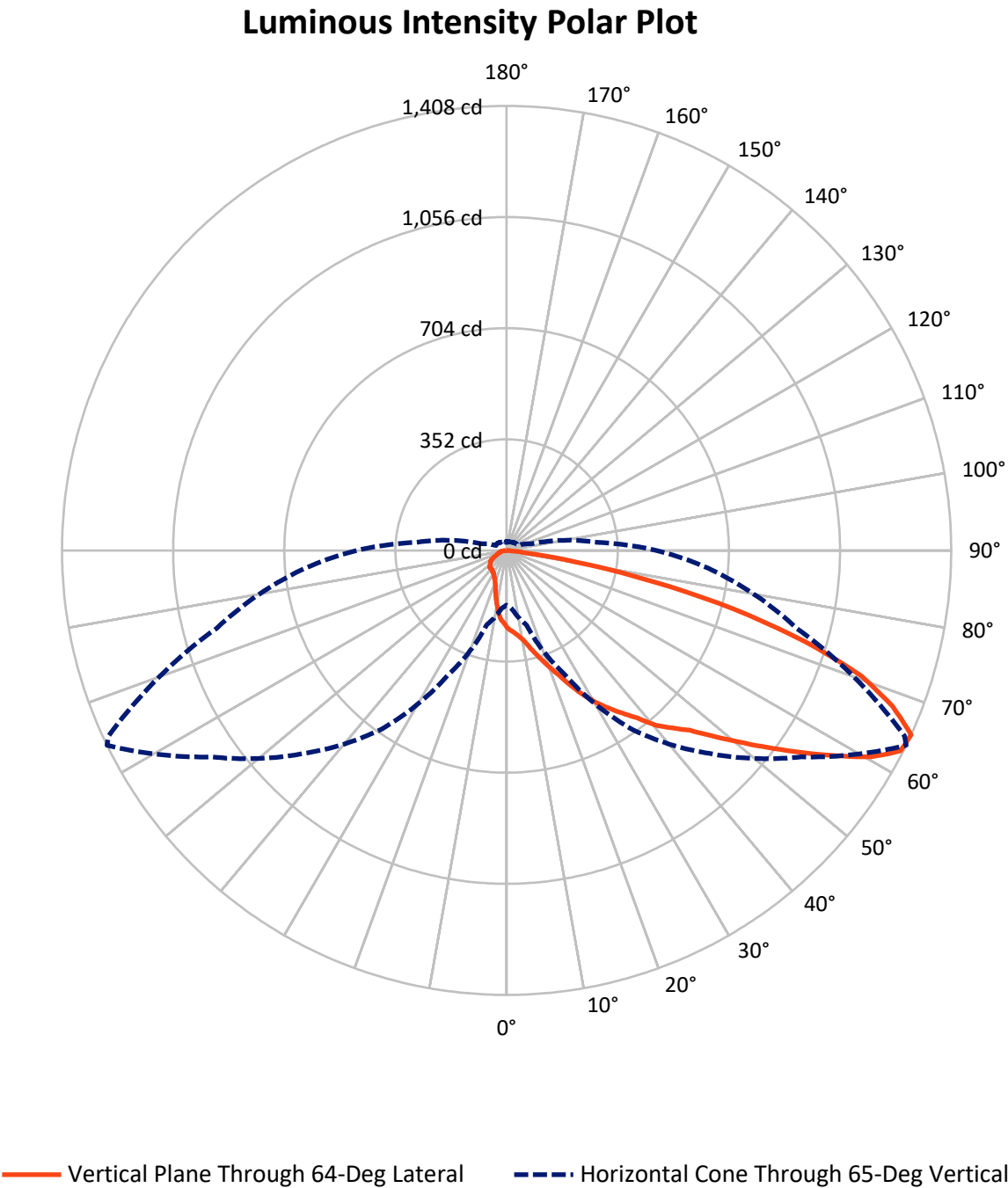


REPORT NUMBER: P#
CATALOG NUMBER: ARCH3-60-AMB-U-T3-HSS



Based on 25 foot mounting height. Maximum calculated value = 0.8 fc
Type III - Short - N/A

REPORT NUMBER: P#
CATALOG NUMBER: ARCH3-60-AMB-U-T3-HSS



REPORT NUMBER: P#

CATALOG NUMBER: ARCH3-60-AMB-U-T3-HSS

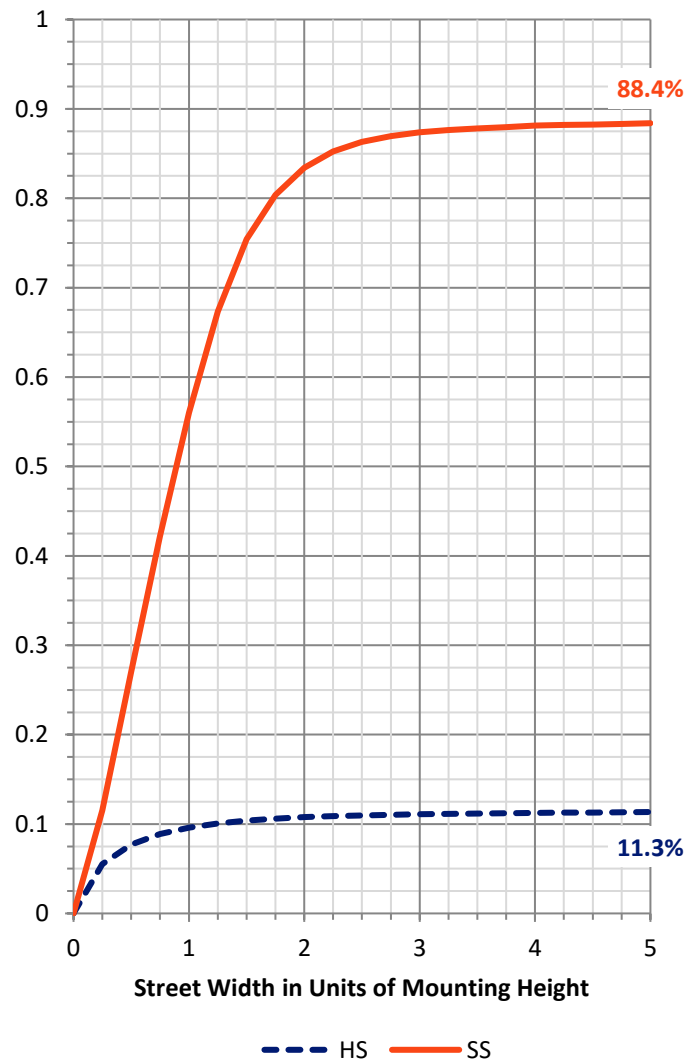
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	210.5	0.0	210.5
	% Fixture	11.5	0.0	11.5
Street Side	Lumens	1623.5	0.0	1623.5
	% Fixture	88.5	0.0	88.5
Total	Lumens	1834.0	0.0	1834.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.0	1.3
10°-20°	79.1	4.3
20°-30°	144.6	7.9
30°-40°	223.8	12.2
40°-50°	339.6	18.5
50°-60°	433.4	23.6
60°-70°	388.5	21.2
70°-80°	182.6	10.0
80°-90°	19.3	1.1
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°	1834.0	100.0
0°-180°	1834.0	100.0

Coefficient of Utilization



REPORT NUMBER: P#

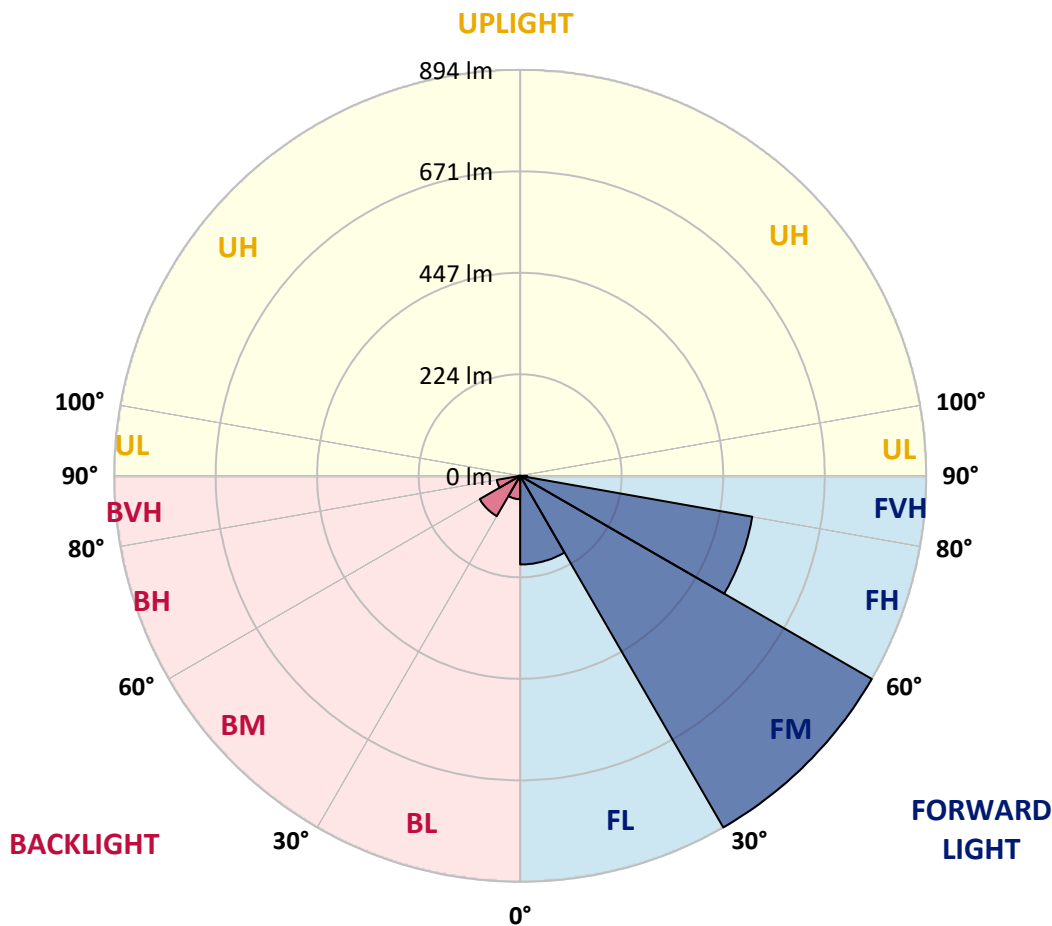
CATALOG NUMBER: ARCH3-60-AMB-U-T3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	195.2	10.6			
FM	(30°-60°)	894.1	48.7			
FH	(60°-80°)	518.9	28.3			G0/660
FVH	(80°-90°)	15.3	0.8			G1/100
BL	(0°-30°)	51.5	2.8	B0/110		
BM	(30°-60°)	102.8	5.6	B0/220		
BH	(60°-80°)	52.2	2.8	B0/110		G0/110
BVH	(80°-90°)	4.0	0.2			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type III Short



REPORT NUMBER: P#

CATALOG NUMBER: ARCH3-60-AMB-U-T3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	244.7	244.7	244.7	244.7	244.7	244.7	244.7	244.7	244.7	244.7	244.7
2.5°	262.0	264.9	264.9	262.0	259.1	256.2	253.4	253.4	250.5	247.6	244.7
5°	296.6	293.7	293.7	290.8	282.2	273.5	267.8	262.0	259.1	253.4	250.5
7.5°	354.1	354.1	348.4	336.9	319.6	302.3	287.9	273.5	270.6	262.0	253.4
10°	431.9	429.0	423.2	403.1	371.4	342.6	311.0	287.9	285.0	267.8	256.2
12.5°	506.7	501.0	492.3	475.1	434.8	391.6	345.5	311.0	305.2	276.4	262.0
15°	552.8	547.0	544.2	529.8	498.1	449.2	385.8	336.9	328.2	290.8	267.8
17.5°	570.1	567.2	573.0	570.1	547.0	506.7	434.8	365.7	354.1	302.3	276.4
20°	570.1	567.2	575.8	581.6	581.6	549.9	483.7	397.3	385.8	316.7	285.0
22.5°	567.2	564.3	573.0	584.5	596.0	587.4	529.8	431.9	420.4	334.0	293.7
25°	573.0	570.1	578.7	587.4	604.6	610.4	570.1	475.1	457.8	357.0	308.1
27.5°	590.2	587.4	593.1	598.9	616.1	630.5	604.6	518.3	501.0	380.1	322.5
30°	613.3	610.4	613.3	613.3	636.3	647.8	630.5	558.6	544.2	403.1	339.7
32.5°	642.1	642.1	644.9	636.3	656.5	665.1	659.3	596.0	581.6	434.8	359.9
35°	659.3	659.3	668.0	665.1	673.7	691.0	696.8	633.4	621.9	472.2	388.7
37.5°	685.2	682.4	688.1	682.4	691.0	714.0	737.1	673.7	659.3	515.4	417.5
40°	783.1	777.4	768.7	725.6	714.0	742.8	777.4	728.4	714.0	561.4	449.2
42.5°	863.8	863.8	849.4	794.7	757.2	774.5	823.4	768.7	754.3	587.4	466.4
45°	904.1	892.5	886.8	843.6	840.7	809.0	869.5	811.9	797.5	627.7	498.1
47.5°	950.1	932.9	909.8	886.8	909.8	858.0	921.3	878.1	855.1	668.0	532.6
50°	970.3	953.0	947.2	930.0	950.1	909.8	970.3	953.0	932.9	716.9	570.1
52.5°	930.0	927.1	947.2	955.9	953.0	938.6	1019.2	1036.5	1016.3	760.1	607.5
55°	765.9	777.4	866.6	938.6	953.0	955.9	1065.3	1128.6	1105.6	809.0	636.3
57.5°	544.2	561.4	659.3	875.3	938.6	973.2	1120.0	1226.5	1203.5	860.9	656.5
60°	411.7	414.6	469.3	734.2	898.3	981.8	1163.2	1327.3	1301.4	904.1	662.2
62.5°	322.5	334.0	374.3	552.8	806.2	964.5	1186.2	1399.3	1376.2	932.9	653.6
65°	172.8	184.3	244.7	431.9	691.0	909.8	1140.2	1407.9	1390.6	950.1	639.2
67.5°	100.8	103.7	126.7	302.3	590.2	829.2	1048.0	1318.7	1318.7	924.2	601.7
70°	66.2	69.1	77.7	161.2	454.9	722.7	901.2	1192.0	1206.4	829.2	535.5
72.5°	51.8	54.7	57.6	92.1	293.7	570.1	719.8	990.4	1013.5	699.6	414.6
75°	43.2	43.2	46.1	63.3	169.9	328.2	535.5	745.7	774.5	518.3	302.3
77.5°	31.7	34.6	37.4	43.2	77.7	146.8	313.8	475.1	498.1	365.7	224.6
80°	23.0	25.9	28.8	31.7	40.3	63.3	144.0	218.8	244.7	218.8	141.1
82.5°	14.4	17.3	20.2	20.2	23.0	28.8	57.6	57.6	63.3	97.9	74.9
85°	8.6	8.6	8.6	11.5	11.5	11.5	23.0	11.5	11.5	25.9	28.8
87.5°	2.9	2.9	2.9	2.9	2.9	2.9	5.8	2.9	2.9	2.9	5.8
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-T3-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	244.7	244.7	244.7	244.7	244.7	244.7	244.7	244.7	244.7	244.7	244.7
2.5°	244.7	241.9	236.1	230.3	227.5	224.6	221.7	215.9	215.9	215.9	213.1
5°	247.6	241.9	233.2	221.7	210.2	198.7	187.1	175.6	172.8	169.9	167.0
7.5°	247.6	241.9	224.6	204.4	181.4	164.1	146.8	135.3	132.4	129.6	129.6
10°	250.5	239.0	215.9	181.4	152.6	129.6	118.0	112.3	109.4	109.4	109.4
12.5°	253.4	241.9	204.4	161.2	126.7	112.3	103.7	100.8	100.8	100.8	100.8
15°	259.1	241.9	192.9	141.1	112.3	100.8	95.0	95.0	95.0	95.0	95.0
17.5°	262.0	241.9	178.5	120.9	100.8	95.0	92.1	89.3	89.3	89.3	89.3
20°	267.8	241.9	164.1	109.4	92.1	89.3	86.4	83.5	83.5	83.5	83.5
22.5°	276.4	244.7	149.7	100.8	89.3	83.5	80.6	77.7	77.7	77.7	77.7
25°	285.0	247.6	138.2	95.0	83.5	77.7	74.9	74.9	72.0	72.0	74.9
27.5°	296.6	250.5	129.6	89.3	77.7	74.9	69.1	69.1	69.1	69.1	69.1
30°	308.1	250.5	120.9	83.5	74.9	69.1	63.3	63.3	63.3	63.3	63.3
32.5°	325.3	256.2	118.0	83.5	69.1	63.3	60.5	60.5	57.6	57.6	57.6
35°	345.5	264.9	115.2	80.6	66.2	60.5	57.6	54.7	54.7	54.7	54.7
37.5°	371.4	282.2	118.0	77.7	63.3	57.6	54.7	51.8	51.8	51.8	51.8
40°	400.2	296.6	120.9	77.7	60.5	54.7	51.8	48.9	48.9	48.9	48.9
42.5°	406.0	282.2	120.9	77.7	60.5	51.8	48.9	48.9	48.9	48.9	48.9
45°	426.1	285.0	118.0	77.7	57.6	51.8	48.9	46.1	46.1	46.1	46.1
47.5°	452.0	290.8	115.2	74.9	57.6	48.9	46.1	43.2	43.2	43.2	46.1
50°	475.1	296.6	112.3	69.1	57.6	48.9	46.1	43.2	43.2	43.2	43.2
52.5°	498.1	299.4	109.4	66.2	54.7	46.1	43.2	40.3	40.3	40.3	40.3
55°	512.5	302.3	106.5	63.3	54.7	43.2	40.3	40.3	37.4	37.4	37.4
57.5°	521.1	302.3	103.7	60.5	48.9	40.3	40.3	37.4	34.6	34.6	34.6
60°	518.3	305.2	97.9	54.7	43.2	40.3	37.4	34.6	31.7	31.7	31.7
62.5°	498.1	299.4	92.1	46.1	40.3	37.4	34.6	31.7	31.7	28.8	31.7
65°	475.1	290.8	80.6	37.4	37.4	34.6	31.7	28.8	28.8	25.9	28.8
67.5°	423.2	259.1	63.3	31.7	34.6	31.7	28.8	25.9	25.9	23.0	23.0
70°	362.8	215.9	46.1	28.8	31.7	28.8	25.9	23.0	23.0	20.2	20.2
72.5°	287.9	167.0	31.7	25.9	25.9	23.0	23.0	20.2	20.2	17.3	20.2
75°	221.7	109.4	25.9	23.0	23.0	20.2	20.2	17.3	17.3	17.3	17.3
77.5°	146.8	54.7	20.2	20.2	20.2	17.3	14.4	14.4	14.4	14.4	14.4
80°	72.0	25.9	14.4	17.3	17.3	14.4	11.5	11.5	11.5	11.5	11.5
82.5°	34.6	14.4	11.5	14.4	11.5	8.6	8.6	8.6	8.6	8.6	8.6
85°	14.4	5.8	8.6	8.6	8.6	5.8	5.8	8.6	5.8	8.6	8.6
87.5°	5.8	2.9	2.9	2.9	5.8	2.9	2.9	2.9	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)