

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**

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 (G2-2406-129-7)
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
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(1) NARROW BAND AMBER, 600mA LIGHTSQUARES WITH 10 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

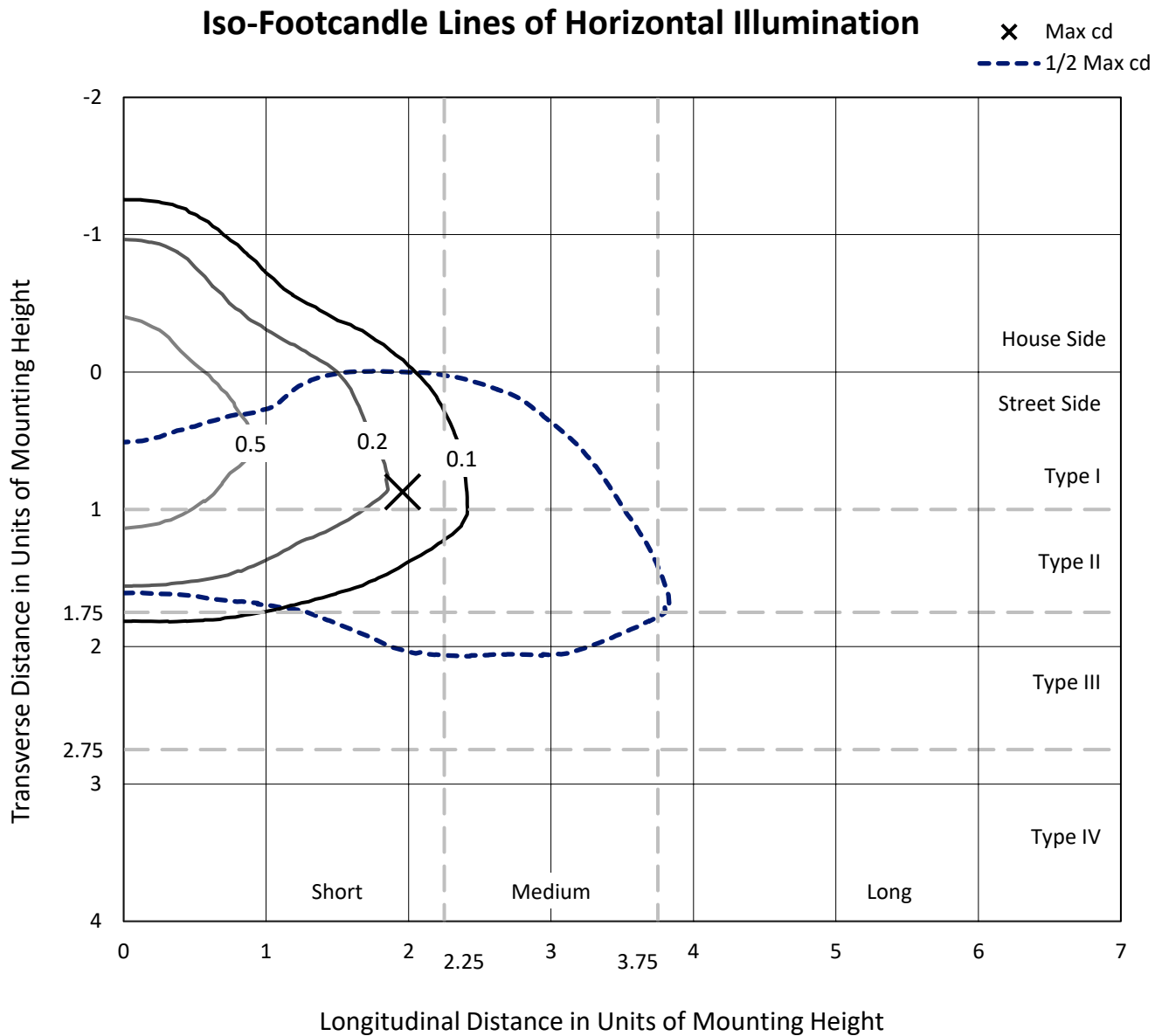
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2681 lumens
Efficiency: N/A
Efficacy: 45.7 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



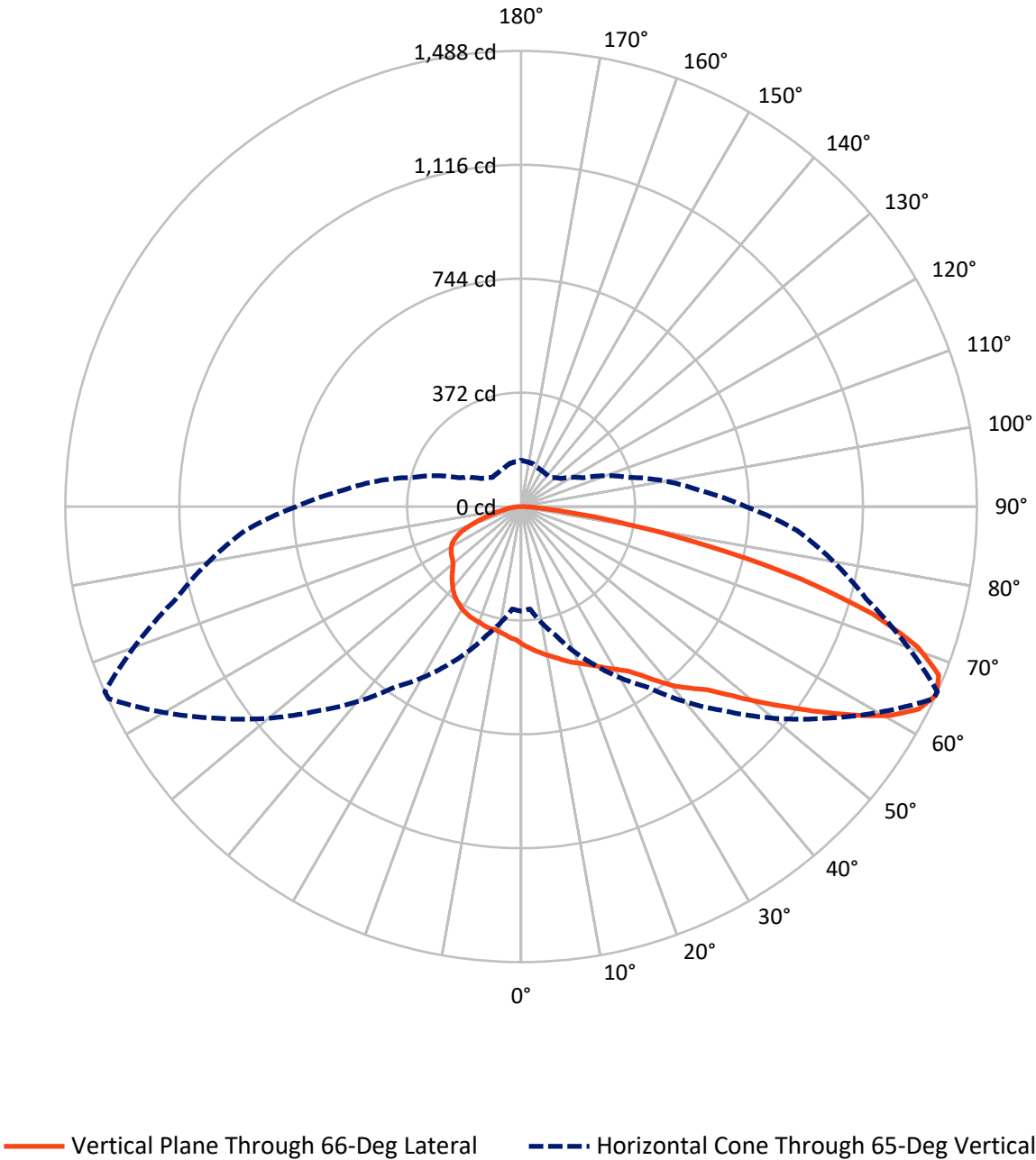
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Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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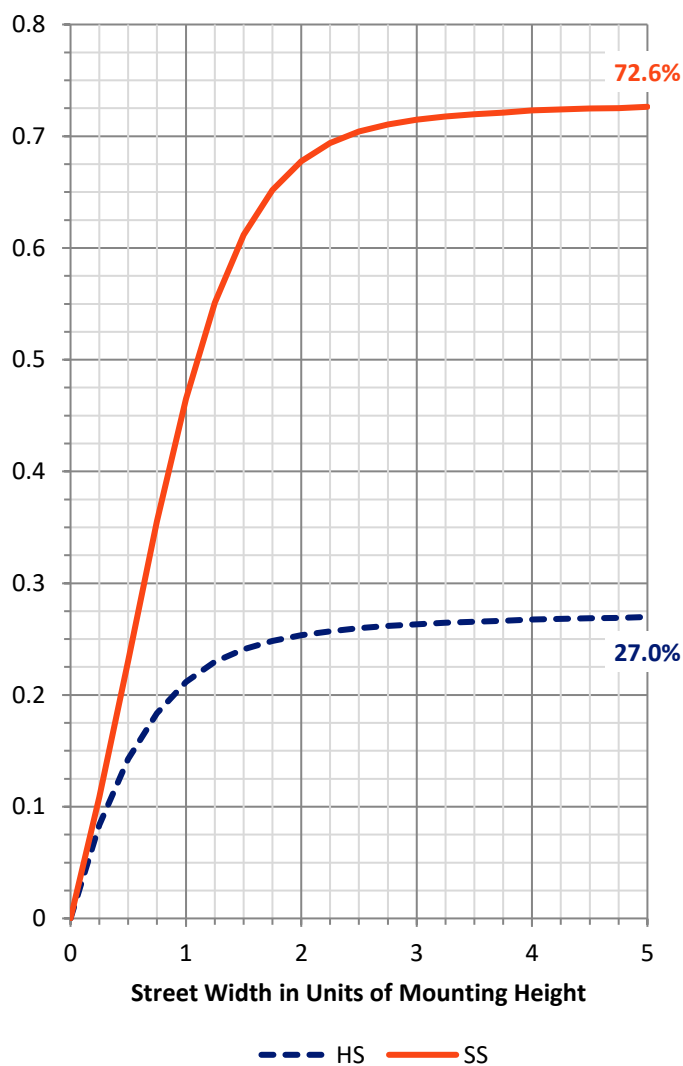
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	730.0	0.0	730.0
	% Fixture	27.2	0.0	27.2
Street Side	Lumens	1951.0	0.0	1951.0
	% Fixture	72.8	0.0	72.8
Total	Lumens	2681.0	0.0	2681.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.1	1.6
10°-20°	137.6	5.1
20°-30°	235.3	8.8
30°-40°	359.8	13.4
40°-50°	486.3	18.1
50°-60°	569.9	21.3
60°-70°	530.1	19.8
70°-80°	278.3	10.4
80°-90°	39.5	1.5
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°	2681.0	100.0
0°-180°	2681.0	100.0

Coefficient of Utilization



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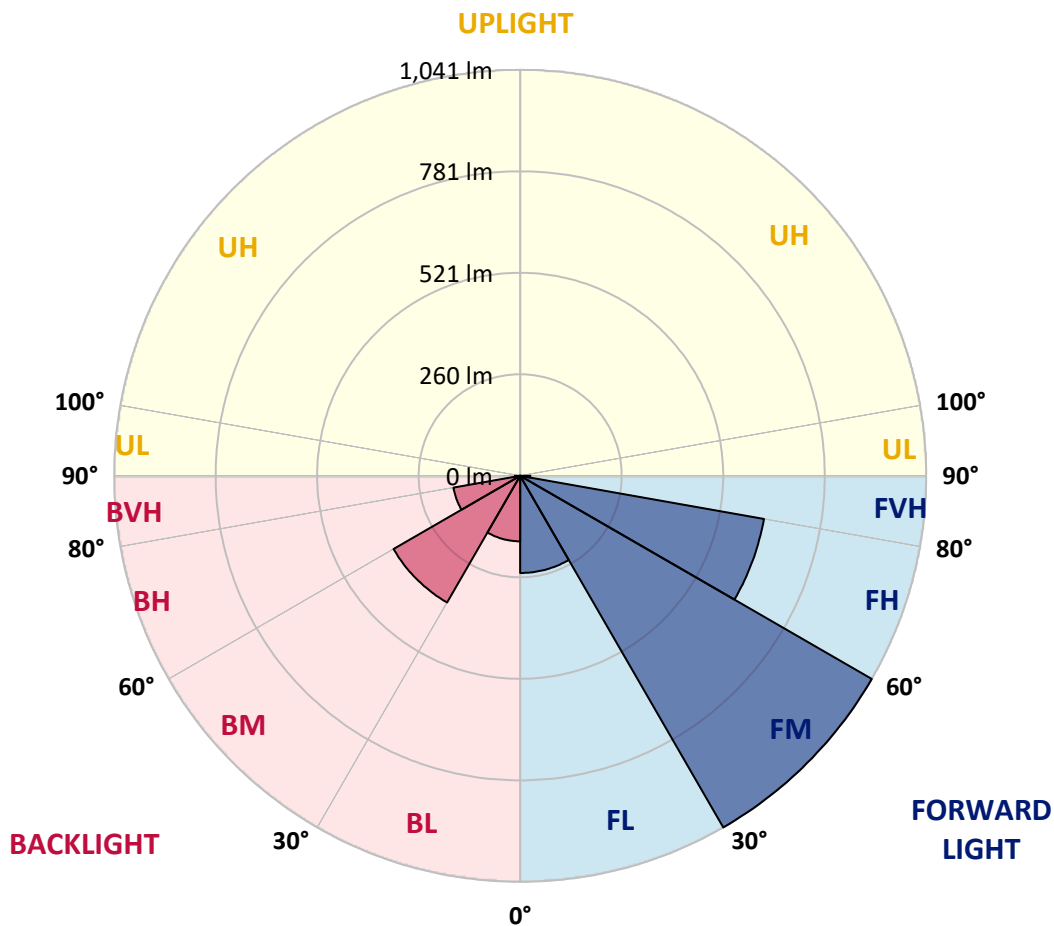
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	249.2	9.3			
FM	(30°-60°)	1041.1	38.8			
FH	(60°-80°)	634.7	23.7			G0/660
FVH	(80°-90°)	26.0	1.0			G1/100
BL	(0°-30°)	167.9	6.3	B1/500		
BM	(30°-60°)	375.0	14.0	B1/1000		
BH	(60°-80°)	173.7	6.5	B1/500		G1/500
BVH	(80°-90°)	13.5	0.5			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 III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	449.6	449.6	449.6	449.6	449.6	449.6	449.6	449.6	449.6	449.6	449.6
2.5°	480.9	480.9	478.0	478.0	472.4	469.5	463.8	458.1	461.0	452.4	449.6
5°	517.9	517.9	515.0	509.3	500.8	492.3	483.7	472.4	472.4	461.0	452.4
7.5°	552.0	554.9	549.2	540.6	529.3	517.9	500.8	483.7	483.7	466.7	455.3
10°	586.2	583.3	580.5	569.1	554.9	537.8	517.9	495.1	495.1	472.4	452.4
12.5°	608.9	608.9	603.3	594.7	580.5	560.6	535.0	506.5	506.5	478.0	455.3
15°	617.5	617.5	617.5	614.6	603.3	583.3	554.9	520.7	520.7	486.6	458.1
17.5°	620.3	620.3	623.2	626.0	620.3	608.9	577.6	537.8	535.0	495.1	461.0
20°	617.5	617.5	623.2	628.9	634.6	626.0	597.6	549.2	546.3	500.8	463.8
22.5°	628.9	626.0	628.9	637.4	643.1	643.1	617.5	563.4	560.6	509.3	469.5
25°	674.4	671.5	668.7	657.3	660.2	663.0	637.4	583.3	577.6	523.6	478.0
27.5°	756.9	748.4	742.7	717.1	700.0	691.5	660.2	603.3	597.6	535.0	486.6
30°	830.9	825.2	819.5	788.2	756.9	725.6	688.6	623.2	617.5	549.2	498.0
32.5°	885.0	885.0	885.0	862.2	819.5	765.4	722.8	645.9	640.2	566.3	515.0
35°	916.3	916.3	924.8	910.6	862.2	811.0	771.1	682.9	677.2	594.7	543.5
37.5°	936.2	933.3	944.7	930.5	879.3	848.0	819.5	725.6	722.8	620.3	566.3
40°	1001.6	993.1	1001.6	958.9	890.6	879.3	870.7	776.8	771.1	654.5	597.6
42.5°	1061.4	1061.4	1055.7	990.2	919.1	910.6	919.1	816.7	811.0	668.7	608.9
45°	1087.0	1075.6	1061.4	1010.2	976.0	933.3	958.9	859.3	853.7	711.4	637.4
47.5°	1095.5	1084.1	1072.8	1035.8	1015.9	964.6	1001.6	930.5	921.9	751.2	680.1
50°	1075.6	1067.1	1069.9	1047.2	1050.0	990.2	1044.3	1015.9	1001.6	805.3	725.6
52.5°	1015.9	1018.7	1032.9	1047.2	1032.9	1004.5	1092.7	1106.9	1087.0	859.3	774.0
55°	899.2	913.4	961.8	1007.3	1015.9	1013.0	1141.1	1198.0	1183.7	921.9	813.8
57.5°	788.2	785.4	830.9	941.9	984.6	1024.4	1186.6	1297.6	1286.2	990.2	845.1
60°	611.8	626.0	691.5	822.4	933.3	1024.4	1223.6	1397.2	1385.8	1052.8	867.9
62.5°	475.2	472.4	563.4	677.2	833.7	998.8	1235.0	1462.6	1456.9	1112.6	887.8
65°	341.5	335.8	435.4	571.9	719.9	944.7	1206.5	1485.4	1488.2	1166.7	904.9
67.5°	199.2	199.2	304.5	446.7	611.8	876.4	1126.8	1456.9	1471.1	1186.6	870.7
70°	116.7	116.7	196.3	315.9	472.4	799.6	1021.5	1357.3	1374.4	1089.8	788.2
72.5°	88.2	88.2	139.4	210.6	321.5	640.2	876.4	1175.2	1200.8	919.1	631.7
75°	71.1	71.1	93.9	142.3	199.2	378.5	702.8	927.6	941.9	682.9	480.9
77.5°	56.9	56.9	65.4	88.2	111.0	187.8	409.8	620.3	631.7	478.0	352.8
80°	39.8	39.8	42.7	56.9	62.6	85.4	185.0	347.2	358.5	295.9	233.3
82.5°	22.8	22.8	25.6	31.3	34.1	45.5	82.5	162.2	162.2	167.9	139.4
85°	11.4	11.4	11.4	14.2	14.2	19.9	37.0	56.9	54.1	74.0	56.9
87.5°	2.8	2.8	2.8	2.8	2.8	5.7	8.5	8.5	8.5	11.4	8.5
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°	449.6	449.6	449.6	449.6	449.6	449.6	449.6	449.6	449.6	449.6	449.6
2.5°	446.7	443.9	441.1	435.4	435.4	432.5	429.7	426.8	426.8	426.8	426.8
5°	449.6	443.9	438.2	429.7	426.8	421.1	418.3	418.3	418.3	418.3	415.4
7.5°	446.7	441.1	429.7	421.1	418.3	415.4	412.6	412.6	412.6	412.6	412.6
10°	446.7	435.4	424.0	415.4	409.8	406.9	404.1	404.1	406.9	406.9	406.9
12.5°	446.7	435.4	421.1	409.8	406.9	404.1	401.2	404.1	404.1	406.9	406.9
15°	446.7	432.5	418.3	409.8	406.9	404.1	401.2	401.2	404.1	406.9	406.9
17.5°	446.7	432.5	415.4	406.9	404.1	401.2	398.4	398.4	401.2	406.9	406.9
20°	446.7	432.5	412.6	401.2	398.4	398.4	395.5	392.7	392.7	398.4	398.4
22.5°	452.4	432.5	412.6	398.4	392.7	387.0	384.1	381.3	381.3	387.0	387.0
25°	458.1	435.4	412.6	395.5	384.1	378.5	372.8	369.9	369.9	375.6	375.6
27.5°	463.8	441.1	412.6	389.8	372.8	364.2	361.4	361.4	361.4	364.2	367.1
30°	475.2	449.6	412.6	384.1	361.4	350.0	347.2	350.0	355.7	358.5	361.4
32.5°	492.3	458.1	412.6	375.6	347.2	332.9	338.6	347.2	352.8	355.7	358.5
35°	512.2	475.2	412.6	367.1	332.9	321.5	332.9	347.2	352.8	355.7	361.4
37.5°	537.8	498.0	418.3	355.7	321.5	310.2	324.4	347.2	355.7	358.5	361.4
40°	563.4	517.9	421.1	341.5	307.3	301.6	315.9	347.2	350.0	350.0	352.8
42.5°	569.1	509.3	409.8	327.2	295.9	293.1	304.5	335.8	341.5	338.6	338.6
45°	591.9	523.6	401.2	313.0	281.7	281.7	284.6	315.9	330.1	330.1	330.1
47.5°	623.2	540.6	392.7	295.9	267.5	267.5	267.5	295.9	310.2	313.0	307.3
50°	657.3	557.7	384.1	281.7	253.3	250.4	247.6	270.3	281.7	278.9	276.0
52.5°	697.2	571.9	378.5	273.2	241.9	227.6	227.6	241.9	250.4	247.6	244.7
55°	722.8	580.5	372.8	267.5	227.6	204.9	207.7	213.4	224.8	222.0	224.8
57.5°	739.8	586.2	369.9	261.8	210.6	185.0	185.0	193.5	202.0	204.9	204.9
60°	745.5	589.0	369.9	253.3	193.5	167.9	167.9	173.6	185.0	185.0	185.0
62.5°	739.8	589.0	369.9	241.9	176.4	150.8	150.8	156.5	162.2	162.2	162.2
65°	734.1	589.0	367.1	222.0	159.3	133.7	133.7	136.6	145.1	148.0	150.8
67.5°	694.3	557.7	338.6	199.2	139.4	119.5	116.7	122.4	130.9	130.9	133.7
70°	617.5	483.7	270.3	167.9	122.4	102.4	102.4	105.3	113.8	111.0	111.0
72.5°	515.0	395.5	213.4	133.7	99.6	88.2	88.2	91.1	91.1	91.1	93.9
75°	424.0	295.9	159.3	99.6	79.7	71.1	74.0	74.0	74.0	79.7	79.7
77.5°	321.5	207.7	116.7	74.0	62.6	56.9	56.9	59.8	59.8	62.6	62.6
80°	202.0	133.7	76.8	51.2	42.7	42.7	42.7	45.5	48.4	51.2	48.4
82.5°	113.8	79.7	45.5	37.0	31.3	28.5	28.5	31.3	34.1	34.1	34.1
85°	45.5	42.7	28.5	19.9	19.9	17.1	17.1	19.9	19.9	19.9	19.9
87.5°	8.5	11.4	8.5	8.5	8.5	5.7	5.7	2.8	2.8	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)