

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**

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 (G2-2406-129-1)
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
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(1) NARROW BAND AMBER, 600mA LIGHTSQUARE WITH 40 LEDS AND TYPE II U OPTICS
Light Source: -
Ballast/Driver: -

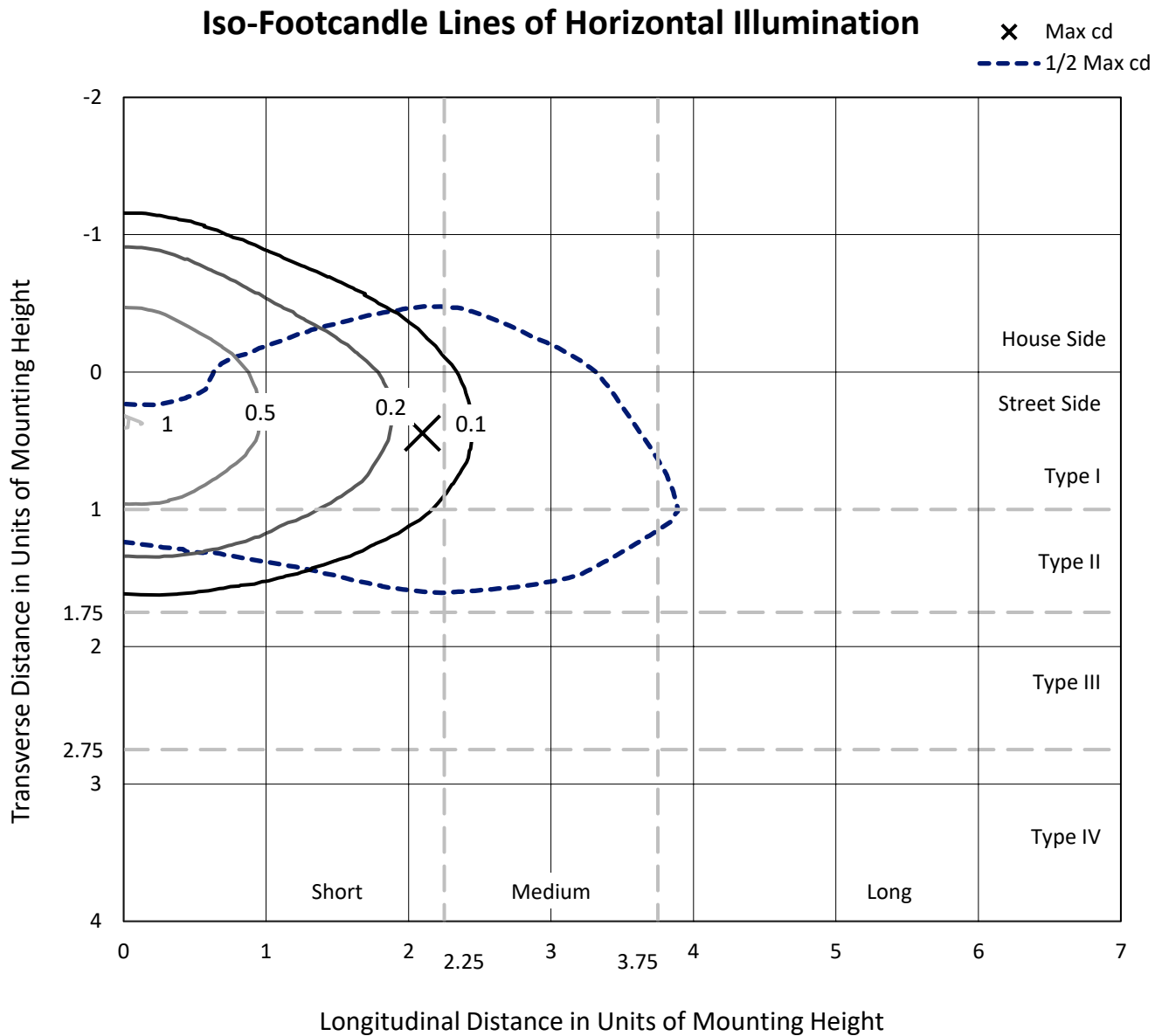
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2698 lumens
Efficiency: N/A
Efficacy: 46.0 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

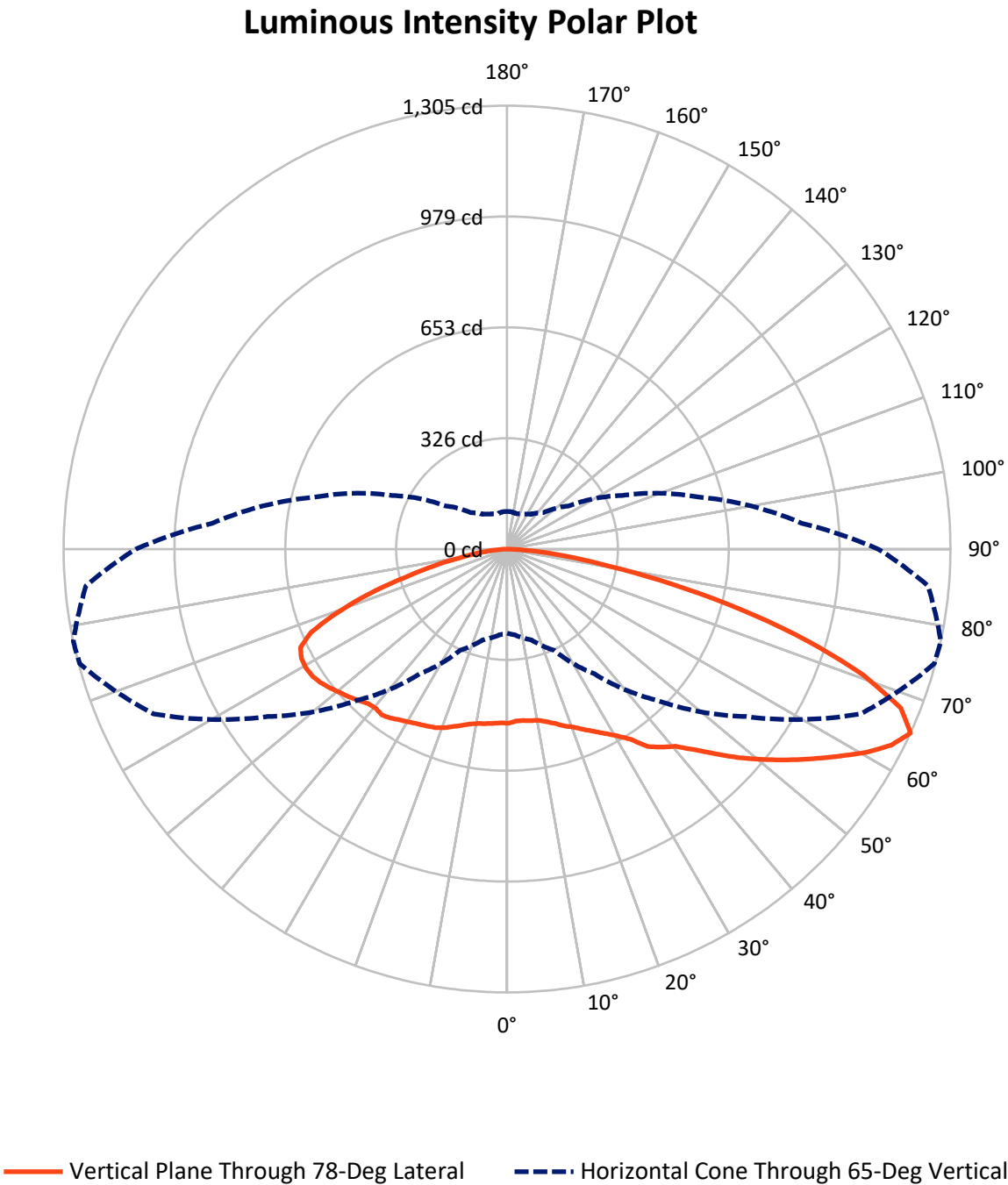


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Based on 25 foot mounting height. Maximum calculated value = 1 fc
Type II - Short - N/A

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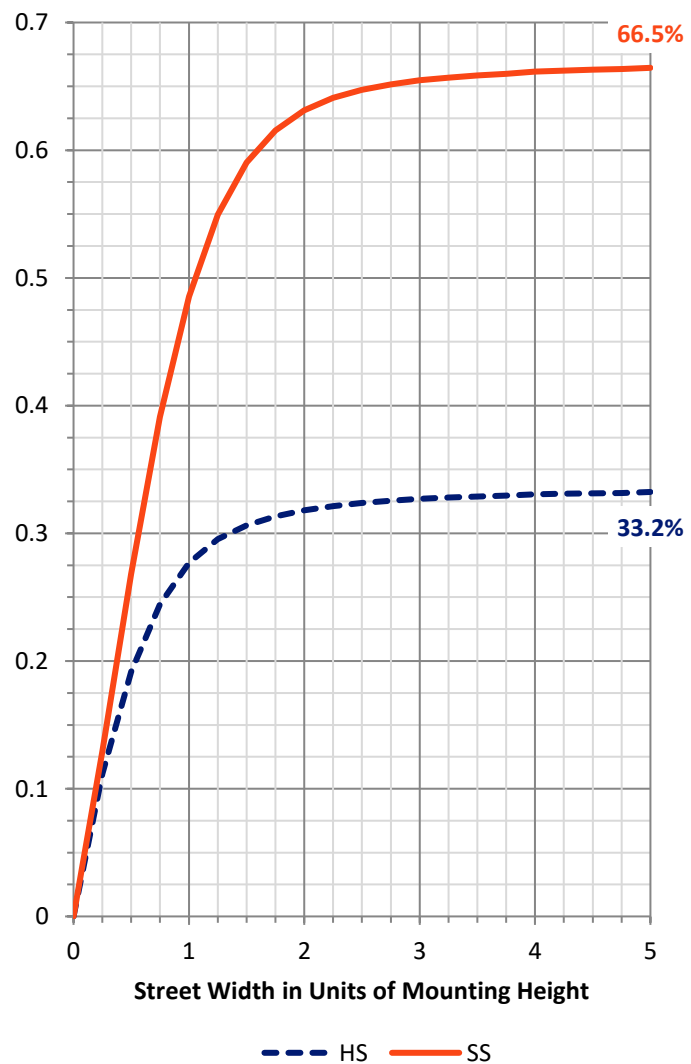
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	904.1	0.0	904.1
	% Fixture	33.5	0.0	33.5
Street Side	Lumens	1793.9	0.0	1793.9
	% Fixture	66.5	0.0	66.5
Total	Lumens	2698.0	0.0	2698.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.4	1.8
10°-20°	156.6	5.8
20°-30°	279.6	10.4
30°-40°	397.6	14.7
40°-50°	497.0	18.4
50°-60°	537.8	19.9
60°-70°	492.0	18.2
70°-80°	249.2	9.2
80°-90°	38.8	1.4
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°	2698.0	100.0
0°-180°	2698.0	100.0

Coefficient of Utilization



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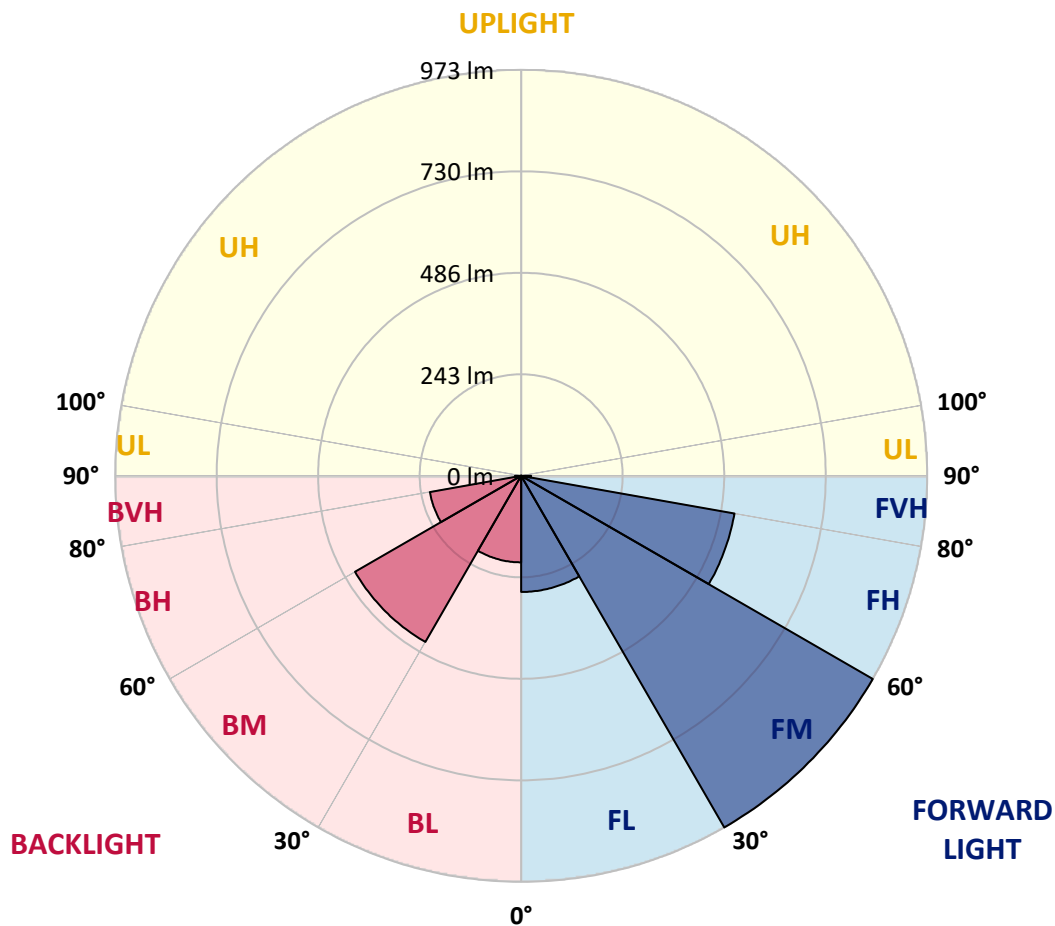
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	278.2	10.3			
FM	(30°-60°)	972.8	36.1			
FH	(60°-80°)	519.1	19.2			G0/660
FVH	(80°-90°)	23.8	0.9			G1/100
BL	(0°-30°)	207.4	7.7	B1/500		
BM	(30°-60°)	459.7	17.0	B1/1000		
BH	(60°-80°)	222.1	8.2	B1/500		G1/500
BVH	(80°-90°)	14.9	0.6			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



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	512.8	512.8	512.8	512.8	512.8	512.8	512.8	512.8	512.8	512.8	512.8
2.5°	509.9	509.9	507.0	507.0	504.1	507.0	507.0	507.0	507.0	507.0	509.9
5°	515.7	515.7	512.8	512.8	509.9	509.9	507.0	509.9	507.0	507.0	509.9
7.5°	539.1	536.1	533.2	527.4	521.6	518.7	512.8	512.8	509.9	509.9	512.8
10°	574.0	571.1	565.3	556.5	542.0	533.2	521.6	518.7	515.7	512.8	515.7
12.5°	626.5	620.6	609.0	597.3	574.0	556.5	539.1	530.3	524.5	521.6	524.5
15°	687.7	678.9	667.3	649.8	617.7	591.5	562.4	547.8	536.1	533.2	539.1
17.5°	743.0	737.2	725.5	702.2	661.4	626.5	591.5	565.3	550.7	547.8	550.7
20°	775.1	772.2	763.4	748.8	711.0	667.3	620.6	585.7	565.3	559.4	562.4
22.5°	801.3	798.4	795.5	783.8	751.8	713.9	655.6	611.9	582.8	576.9	576.9
25°	807.1	804.2	807.1	807.1	789.6	760.5	705.1	641.0	603.2	594.4	594.4
27.5°	815.9	812.9	818.8	821.7	810.0	792.6	745.9	673.1	623.6	614.8	611.9
30°	821.7	821.7	830.4	839.2	830.4	818.8	778.0	708.1	649.8	638.1	632.3
32.5°	830.4	827.5	836.3	853.7	847.9	842.1	807.1	743.0	684.7	667.3	658.5
35°	839.2	836.3	847.9	865.4	865.4	862.5	833.3	775.1	725.5	713.9	696.4
37.5°	842.1	845.0	856.7	877.1	880.0	882.9	868.3	821.7	754.7	740.1	722.6
40°	842.1	845.0	868.3	888.7	888.7	894.5	897.4	845.0	780.9	763.4	745.9
42.5°	859.6	871.2	894.5	897.4	888.7	903.3	914.9	882.9	821.7	807.1	783.8
45°	818.8	824.6	865.4	882.9	882.9	906.2	938.2	926.6	877.1	859.6	827.5
47.5°	780.9	783.8	810.0	842.1	862.5	906.2	961.6	979.0	932.4	917.8	874.1
50°	678.9	702.2	757.6	801.3	836.3	900.4	981.9	1025.7	990.7	973.2	920.8
52.5°	603.2	609.0	652.7	748.8	807.1	888.7	996.5	1075.2	1049.0	1031.5	973.2
55°	524.5	547.8	597.3	658.5	763.4	859.6	1002.3	1116.0	1107.2	1089.8	1028.6
57.5°	451.6	466.2	515.7	574.0	705.1	812.9	996.5	1153.9	1165.5	1150.9	1092.7
60°	367.1	387.5	422.5	486.6	623.6	766.3	967.4	1174.3	1223.8	1215.0	1162.6
62.5°	308.9	314.7	346.7	407.9	539.1	702.2	923.7	1177.2	1273.3	1270.4	1215.0
65°	247.7	253.5	276.8	329.3	448.7	632.3	859.6	1148.0	1302.5	1305.4	1244.2
67.5°	186.5	192.3	218.5	259.3	358.4	536.1	783.8	1072.3	1252.9	1250.0	1153.9
70°	131.1	134.0	166.1	204.0	273.9	422.5	670.2	932.4	1118.9	1113.1	976.1
72.5°	96.2	96.2	128.2	163.2	212.7	311.8	501.2	772.2	938.2	926.6	786.7
75°	72.8	72.8	90.3	125.3	163.2	212.7	338.0	579.8	734.3	711.0	588.6
77.5°	52.4	52.4	61.2	84.5	110.7	139.9	201.1	387.5	539.1	495.3	413.8
80°	35.0	35.0	40.8	58.3	69.9	78.7	110.7	198.1	332.2	305.9	259.3
82.5°	17.5	20.4	23.3	29.1	37.9	46.6	58.3	102.0	186.5	174.8	160.3
85°	5.8	8.7	8.7	8.7	14.6	17.5	29.1	40.8	81.6	81.6	75.8
87.5°	2.9	2.9	2.9	2.9	2.9	2.9	5.8	5.8	11.7	8.7	11.7
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°	512.8	512.8	512.8	512.8	512.8	512.8	512.8	512.8	512.8	512.8	512.8
2.5°	507.0	509.9	512.8	512.8	515.7	515.7	515.7	518.7	518.7	518.7	515.7
5°	509.9	512.8	515.7	518.7	518.7	521.6	521.6	521.6	521.6	518.7	518.7
7.5°	512.8	515.7	518.7	521.6	518.7	518.7	515.7	512.8	512.8	509.9	507.0
10°	515.7	518.7	521.6	521.6	515.7	509.9	501.2	495.3	495.3	489.5	489.5
12.5°	524.5	524.5	527.4	521.6	509.9	498.3	489.5	480.8	477.9	474.9	472.0
15°	536.1	536.1	536.1	524.5	507.0	492.4	480.8	472.0	469.1	463.3	463.3
17.5°	550.7	550.7	544.9	527.4	504.1	486.6	472.0	463.3	460.4	457.5	454.6
20°	562.4	562.4	556.5	527.4	498.3	477.9	466.2	457.5	454.6	448.7	448.7
22.5°	576.9	576.9	562.4	527.4	492.4	472.0	460.4	451.6	442.9	440.0	437.1
25°	594.4	588.6	565.3	524.5	486.6	466.2	451.6	440.0	434.2	425.4	425.4
27.5°	609.0	600.2	568.2	518.7	477.9	454.6	442.9	428.3	416.7	407.9	407.9
30°	626.5	617.7	571.1	512.8	469.1	442.9	425.4	410.8	399.2	393.4	390.4
32.5°	649.8	632.3	576.9	509.9	460.4	428.3	407.9	396.3	384.6	375.9	373.0
35°	678.9	652.7	582.8	507.0	445.8	413.8	393.4	378.8	367.1	355.5	352.6
37.5°	705.1	673.1	585.7	492.4	434.2	396.3	375.9	361.3	346.7	338.0	338.0
40°	719.7	678.9	576.9	483.7	422.5	378.8	355.5	338.0	332.2	326.3	326.3
42.5°	748.8	699.3	574.0	474.9	407.9	361.3	329.3	317.6	314.7	308.9	308.9
45°	783.8	728.4	579.8	469.1	393.4	343.8	308.9	294.3	288.5	282.6	279.7
47.5°	824.6	757.6	585.7	463.3	381.7	323.4	282.6	265.2	253.5	247.7	244.8
50°	862.5	783.8	591.5	454.6	364.2	300.1	256.4	236.0	218.5	212.7	206.9
52.5°	906.2	815.9	597.3	445.8	340.9	273.9	227.3	204.0	186.5	180.7	177.7
55°	955.7	845.0	603.2	437.1	317.6	247.7	201.1	177.7	163.2	157.3	154.4
57.5°	1008.2	874.1	603.2	425.4	294.3	221.4	177.7	157.3	145.7	142.8	142.8
60°	1057.7	891.6	600.2	410.8	273.9	198.1	157.3	142.8	134.0	134.0	131.1
62.5°	1092.7	891.6	597.3	399.2	250.6	174.8	139.9	128.2	122.4	122.4	122.4
65°	1092.7	871.2	588.6	373.0	221.4	151.5	125.3	113.6	107.8	110.7	110.7
67.5°	1002.3	801.3	550.7	335.1	186.5	134.0	107.8	99.1	96.2	99.1	96.2
70°	850.8	690.6	463.3	262.2	154.4	113.6	96.2	90.3	84.5	87.4	84.5
72.5°	696.4	571.1	364.2	198.1	122.4	96.2	81.6	75.8	69.9	69.9	67.0
75°	524.5	434.2	259.3	142.8	93.2	75.8	67.0	61.2	55.4	58.3	55.4
77.5°	378.8	305.9	183.6	99.1	67.0	55.4	52.4	46.6	43.7	46.6	46.6
80°	238.9	195.2	122.4	67.0	46.6	37.9	35.0	35.0	37.9	46.6	46.6
82.5°	148.6	122.4	72.8	43.7	29.1	26.2	23.3	23.3	32.1	32.1	32.1
85°	69.9	67.0	40.8	23.3	17.5	11.7	11.7	14.6	11.7	11.7	8.7
87.5°	11.7	11.7	8.7	8.7	5.8	5.8	2.9	2.9	2.9	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)