

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-5WQ-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 (G2-2406-129-14)
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-5WQ-PFS
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(1) NARROW BAND AMBER, 600mA LIGHTSQUARES WITH 10 LEDS EACH AND TYPE V
WIDE OPTICS WITH REAR PERIMETER FENCE SHIELD
Light Source: -
Ballast/Driver: -

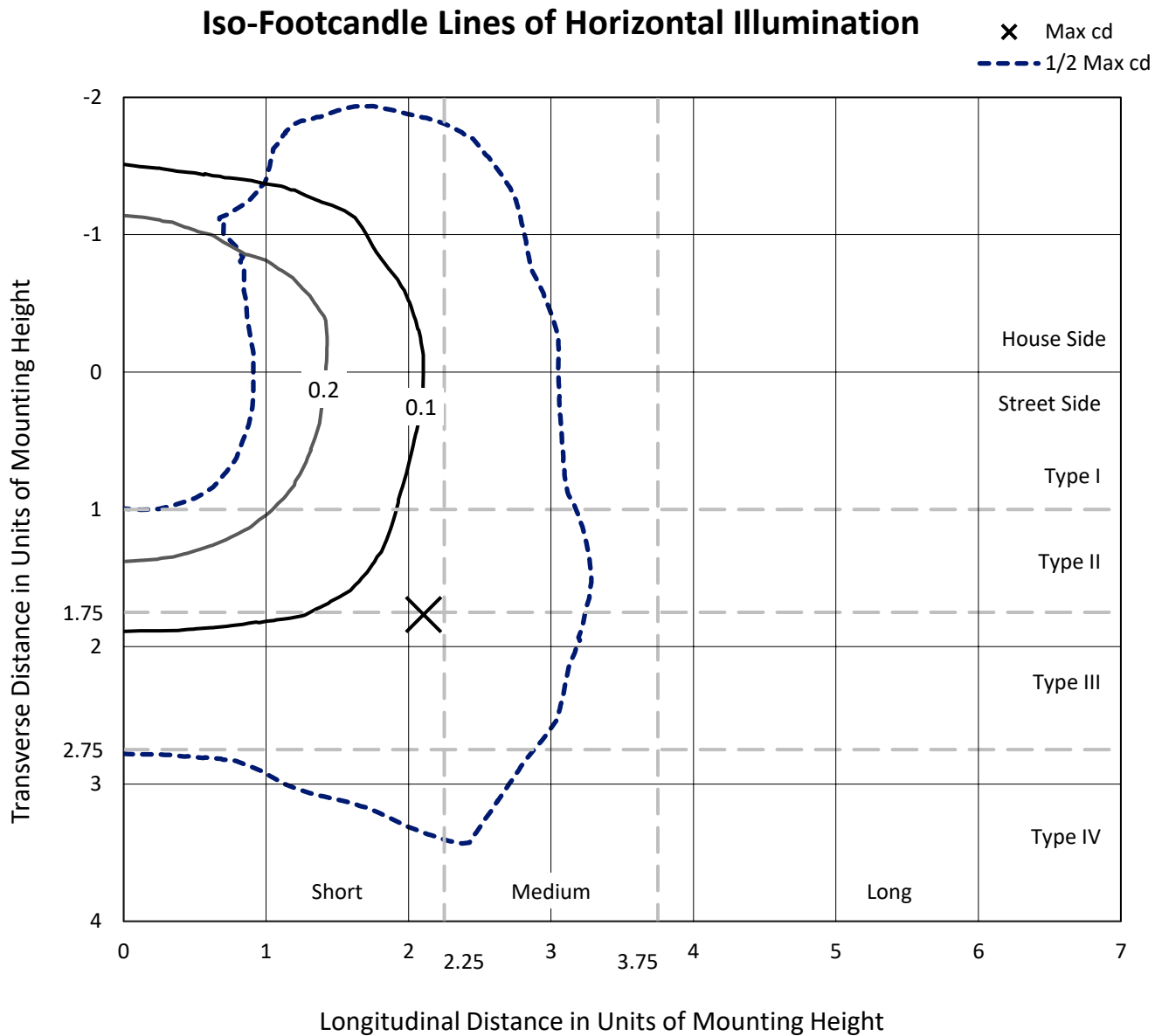
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2282 lumens
Efficiency: N/A
Efficacy: 38.9 lumens/watt
Luminous Opening: Rectangular (W 0.58' x L: 0.58' x H: 0')
IES Classification: Type IV - 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

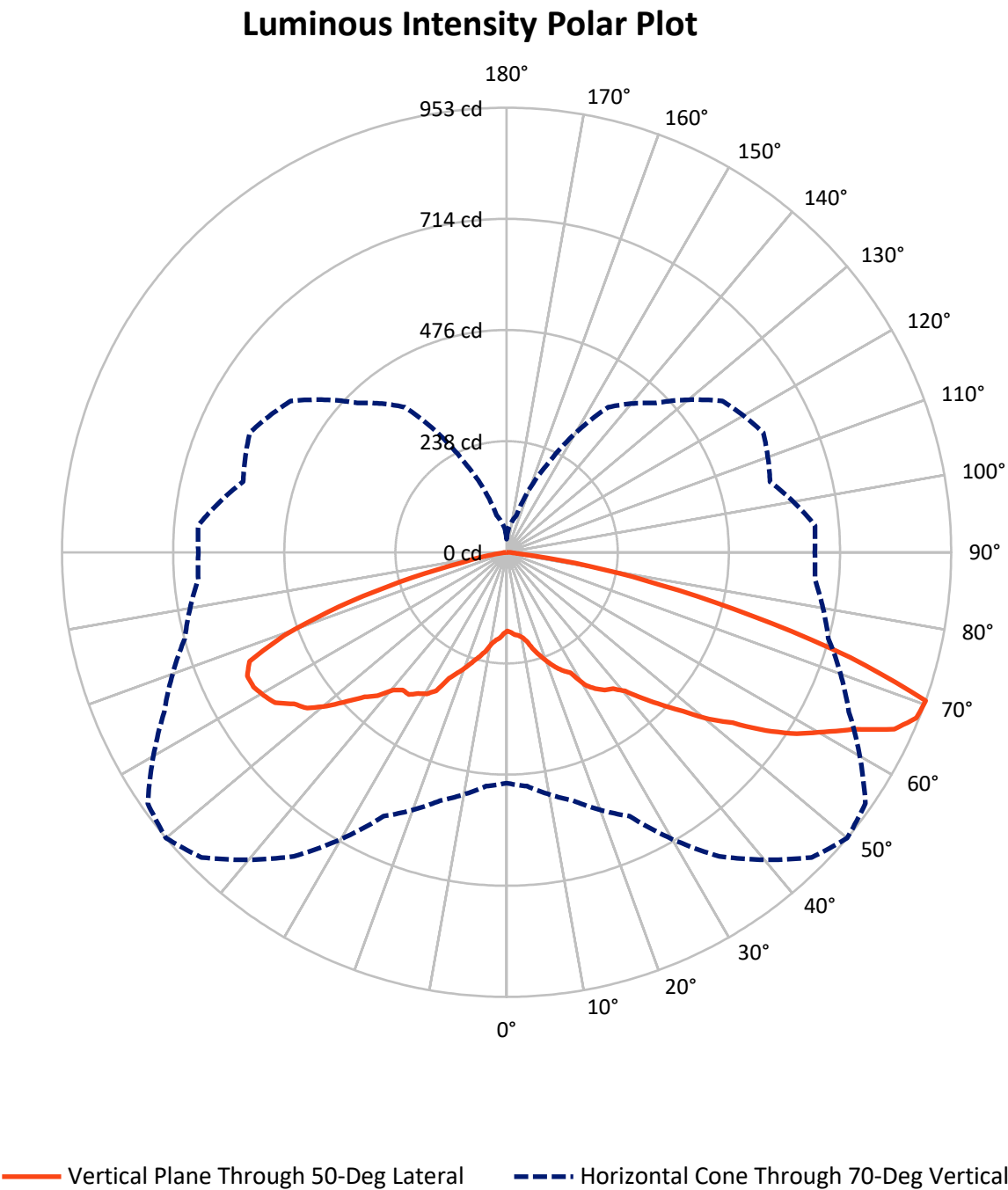


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Based on 25 foot mounting height. Maximum calculated value = 0.4 fc
Type IV - Short - N/A

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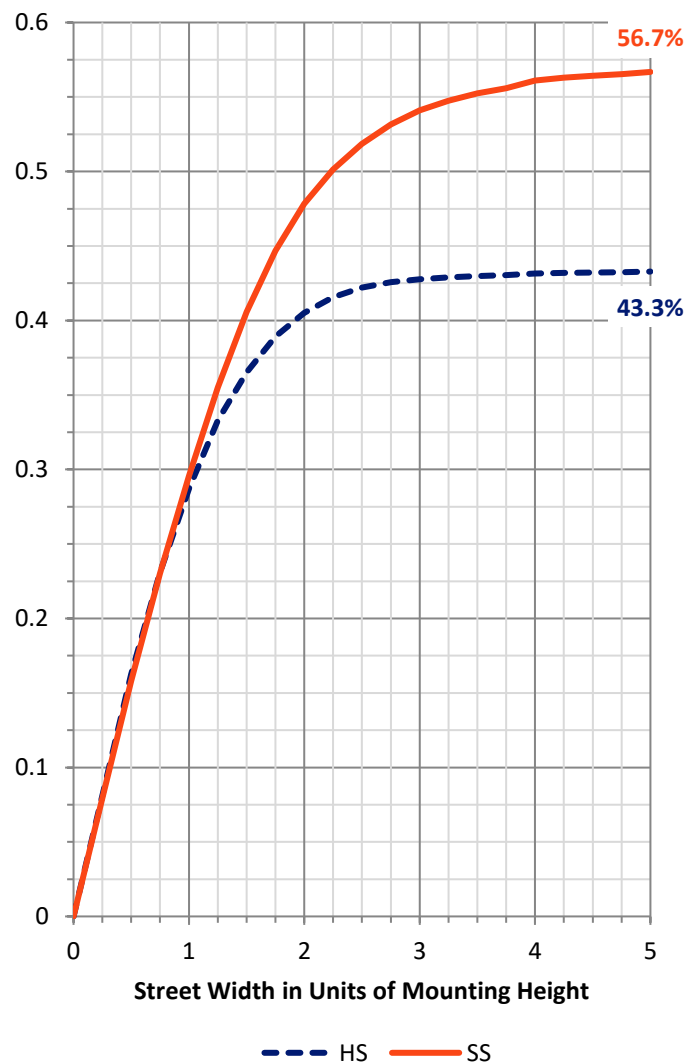
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	989.8	0.0	989.8
	% Fixture	43.4	0.0	43.4
Street Side	Lumens	1292.2	0.0	1292.2
	% Fixture	56.6	0.0	56.6
Total	Lumens	2282.0	0.0	2282.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.3	0.8
10°-20°	65.0	2.8
20°-30°	130.5	5.7
30°-40°	219.5	9.6
40°-50°	362.0	15.9
50°-60°	531.7	23.3
60°-70°	627.6	27.5
70°-80°	311.8	13.7
80°-90°	16.6	0.7
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°	2282.0	100.0
0°-180°	2282.0	100.0

Coefficient of Utilization



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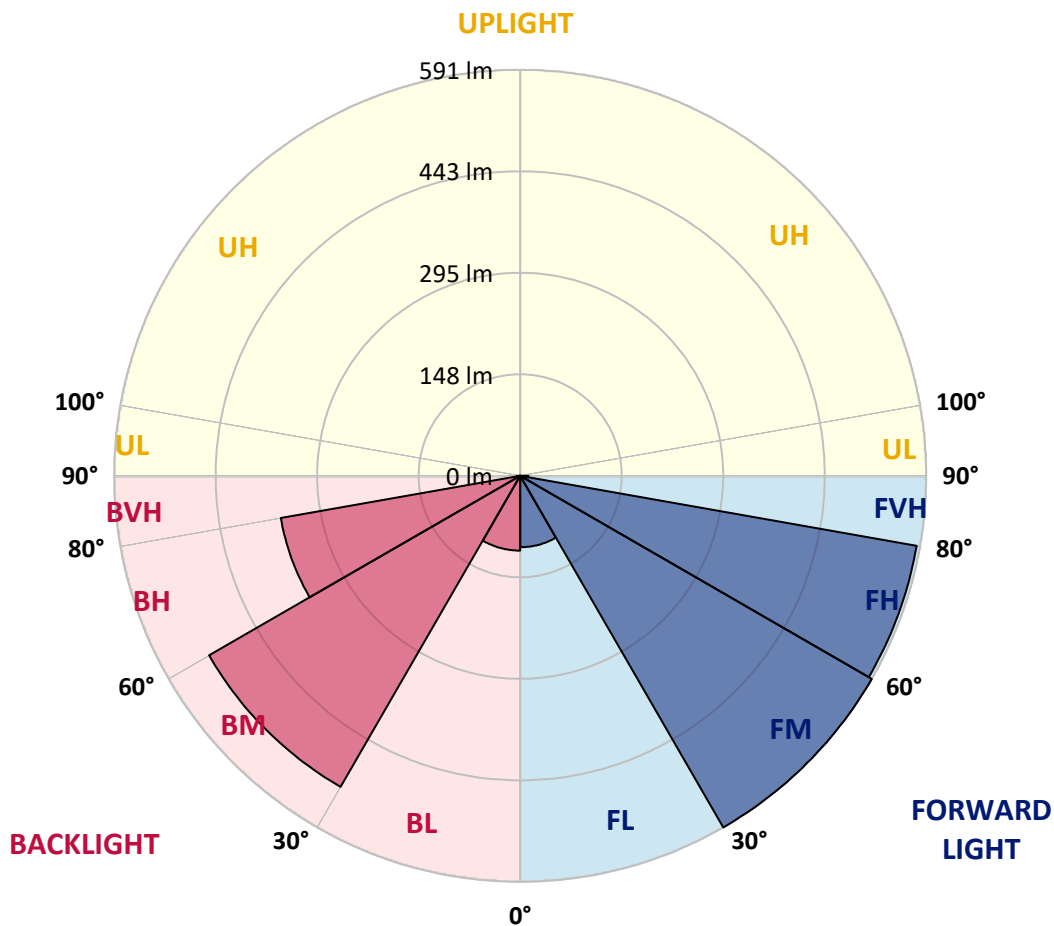
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	103.9	4.6			
FM	(30°-60°)	590.7	25.9			
FH	(60°-80°)	585.8	25.7			G0/660
FVH	(80°-90°)	11.9	0.5			G1/100
BL	(0°-30°)	108.9	4.8	B0/110		
BM	(30°-60°)	522.5	22.9	B1/1000		
BH	(60°-80°)	353.7	15.5	B1/500		G1/500
BVH	(80°-90°)	4.8	0.2			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 IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	168.6	168.6	168.6	168.6	168.6	168.6	168.6	168.6	168.6	168.6	168.6
2.5°	171.4	171.4	171.4	171.4	171.4	168.6	171.4	171.4	171.4	171.4	171.4
5°	177.0	174.2	174.2	174.2	177.0	177.0	177.0	177.0	177.0	174.2	177.0
7.5°	174.2	174.2	177.0	179.8	179.8	179.8	179.8	179.8	177.0	177.0	177.0
10°	177.0	177.0	177.0	179.8	182.6	185.4	185.4	182.6	179.8	179.8	182.6
12.5°	185.4	185.4	188.3	188.3	193.9	196.7	196.7	196.7	193.9	196.7	199.5
15°	205.1	207.9	207.9	210.7	213.5	213.5	216.3	216.3	219.2	224.8	230.4
17.5°	238.8	241.6	236.0	230.4	233.2	233.2	233.2	233.2	241.6	250.1	252.9
20°	264.1	264.1	258.5	250.1	247.3	250.1	250.1	250.1	258.5	264.1	264.1
22.5°	269.7	269.7	272.5	266.9	264.1	266.9	266.9	266.9	269.7	266.9	269.7
25°	278.2	278.2	278.2	278.2	278.2	281.0	281.0	278.2	272.5	269.7	272.5
27.5°	283.8	281.0	278.2	281.0	292.2	297.8	292.2	286.6	275.4	269.7	266.9
30°	278.2	278.2	286.6	300.6	325.9	331.5	328.7	323.1	300.6	283.8	269.7
32.5°	289.4	292.2	311.9	334.4	348.4	348.4	348.4	348.4	328.7	314.7	317.5
35°	340.0	337.2	328.7	345.6	356.8	359.6	362.5	359.6	348.4	340.0	351.2
37.5°	359.6	359.6	365.3	362.5	365.3	370.9	370.9	370.9	382.1	379.3	373.7
40°	379.3	379.3	399.0	401.8	384.9	384.9	390.5	401.8	418.6	418.6	421.5
42.5°	424.3	424.3	421.5	424.3	424.3	410.2	427.1	446.7	449.6	460.8	480.5
45°	477.6	472.0	455.2	452.4	449.6	460.8	466.4	477.6	494.5	508.6	528.2
47.5°	519.8	517.0	511.4	494.5	491.7	508.6	508.6	517.0	545.1	564.8	570.4
50°	570.4	567.6	556.3	545.1	550.7	545.1	561.9	581.6	581.6	604.1	618.1
52.5°	612.5	609.7	601.3	604.1	601.3	604.1	606.9	623.8	632.2	626.6	643.4
55°	620.9	620.9	637.8	649.0	665.9	671.5	674.3	677.1	665.9	660.3	637.8
57.5°	637.8	643.4	654.7	679.9	719.3	736.1	733.3	727.7	696.8	668.7	685.6
60°	663.1	654.7	657.5	705.2	767.0	795.1	781.1	764.2	713.7	713.7	719.3
62.5°	595.7	601.3	651.9	727.7	809.2	842.9	834.5	823.2	772.7	755.8	750.2
65°	564.8	567.6	595.7	702.4	857.0	921.6	913.2	899.1	820.4	792.3	798.0
67.5°	508.6	514.2	553.5	657.5	840.1	944.1	946.9	927.2	857.0	812.0	789.5
70°	494.5	502.9	550.7	623.8	795.1	924.4	952.5	938.4	809.2	713.7	663.1
72.5°	255.7	264.1	379.3	570.4	660.3	741.8	769.9	744.6	632.2	480.5	421.5
75°	185.4	191.1	224.8	373.7	584.4	559.1	542.3	491.7	441.1	354.0	342.8
77.5°	28.1	33.7	126.4	272.5	415.8	331.5	337.2	317.5	368.1	264.1	241.6
80°	19.7	19.7	25.3	92.7	163.0	216.3	179.8	106.8	61.8	64.6	50.6
82.5°	11.2	14.0	14.0	19.7	28.1	30.9	28.1	22.5	28.1	33.7	28.1
85°	5.6	5.6	8.4	8.4	11.2	11.2	14.0	14.0	16.9	19.7	16.9
87.5°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	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

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	168.6	168.6	168.6	168.6	168.6	168.6	168.6	168.6	168.6	168.6	168.6
2.5°	171.4	171.4	171.4	171.4	174.2	174.2	174.2	174.2	174.2	174.2	174.2
5°	177.0	177.0	179.8	182.6	182.6	185.4	182.6	182.6	182.6	179.8	179.8
7.5°	179.8	179.8	179.8	182.6	188.3	191.1	188.3	188.3	185.4	185.4	188.3
10°	185.4	185.4	188.3	193.9	196.7	202.3	202.3	199.5	199.5	196.7	196.7
12.5°	202.3	202.3	205.1	210.7	213.5	219.2	219.2	222.0	224.8	227.6	227.6
15°	230.4	227.6	224.8	224.8	227.6	233.2	233.2	238.8	250.1	252.9	252.9
17.5°	255.7	252.9	250.1	241.6	241.6	247.3	247.3	258.5	264.1	269.7	269.7
20°	266.9	264.1	266.9	261.3	258.5	264.1	266.9	272.5	272.5	272.5	272.5
22.5°	269.7	266.9	272.5	272.5	275.4	281.0	275.4	275.4	272.5	272.5	272.5
25°	272.5	269.7	269.7	275.4	292.2	300.6	283.8	272.5	269.7	266.9	266.9
27.5°	266.9	266.9	283.8	300.6	325.9	340.0	325.9	306.3	281.0	255.7	250.1
30°	272.5	278.2	309.1	331.5	345.6	351.2	348.4	317.5	289.4	278.2	281.0
32.5°	325.9	317.5	325.9	345.6	356.8	356.8	342.8	306.3	292.2	300.6	303.4
35°	356.8	356.8	370.9	365.3	370.9	368.1	334.4	325.9	328.7	309.1	303.4
37.5°	373.7	379.3	404.6	404.6	382.1	356.8	337.2	345.6	331.5	320.3	323.1
40°	424.3	421.5	427.1	432.7	415.8	348.4	362.5	342.8	342.8	354.0	362.5
42.5°	483.3	472.0	469.2	455.2	432.7	393.4	365.3	365.3	373.7	382.1	387.7
45°	531.0	525.4	519.8	497.3	449.6	418.6	387.7	390.5	401.8	407.4	415.8
47.5°	576.0	573.2	573.2	567.6	500.1	435.5	435.5	421.5	429.9	435.5	441.1
50°	623.8	620.9	626.6	626.6	539.5	474.8	466.4	460.8	441.1	429.9	432.7
52.5°	643.4	646.2	674.3	637.8	567.6	517.0	491.7	455.2	407.4	368.1	368.1
55°	643.4	660.3	696.8	637.8	576.0	542.3	486.1	413.0	373.7	359.6	365.3
57.5°	691.2	688.4	705.2	646.2	604.1	578.8	466.4	393.4	365.3	370.9	376.5
60°	719.3	724.9	747.4	646.2	649.0	559.1	466.4	407.4	382.1	362.5	356.8
62.5°	747.4	747.4	764.2	671.5	685.6	542.3	494.5	396.2	311.9	272.5	275.4
65°	798.0	800.8	753.0	694.0	660.3	570.4	511.4	325.9	238.8	216.3	213.5
67.5°	783.9	786.7	724.9	699.6	612.5	584.4	424.3	286.6	219.2	199.5	171.4
70°	660.3	663.1	584.4	606.9	564.8	452.4	379.3	210.7	81.5	53.4	28.1
72.5°	407.4	415.8	370.9	415.8	407.4	348.4	227.6	84.3	30.9	19.7	19.7
75°	340.0	337.2	272.5	281.0	275.4	196.7	143.3	64.6	30.9	14.0	14.0
77.5°	250.1	227.6	179.8	191.1	120.8	78.7	75.9	61.8	19.7	5.6	2.8
80°	45.0	42.1	39.3	42.1	45.0	50.6	25.3	16.9	2.8	0.0	0.0
82.5°	25.3	25.3	22.5	16.9	11.2	8.4	8.4	2.8	2.8	0.0	0.0
85°	14.0	14.0	14.0	11.2	5.6	5.6	2.8	2.8	2.8	0.0	0.0
87.5°	5.6	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)