

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: STREETWORKS

Report Number: P459597

Luminaire Tested: **GAN-SA1A-AMB-U-SL3**

Issue Date: 1/6/2021

Test Information

Test Method: LM-79-08
Report Number: P459597
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2003-697-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/6/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA1A-AMB-U-SL3
Description: GALLEON ROADWAY AND AREA LUMINAIRE
(1) NARROW BAND AMBER, 500mA LIGHTSQUARE WITH 16 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1239 lumens
Efficiency: N/A
Efficacy: 54.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium - Non-Cutoff
BUG Rating: B0 - U0 - G1

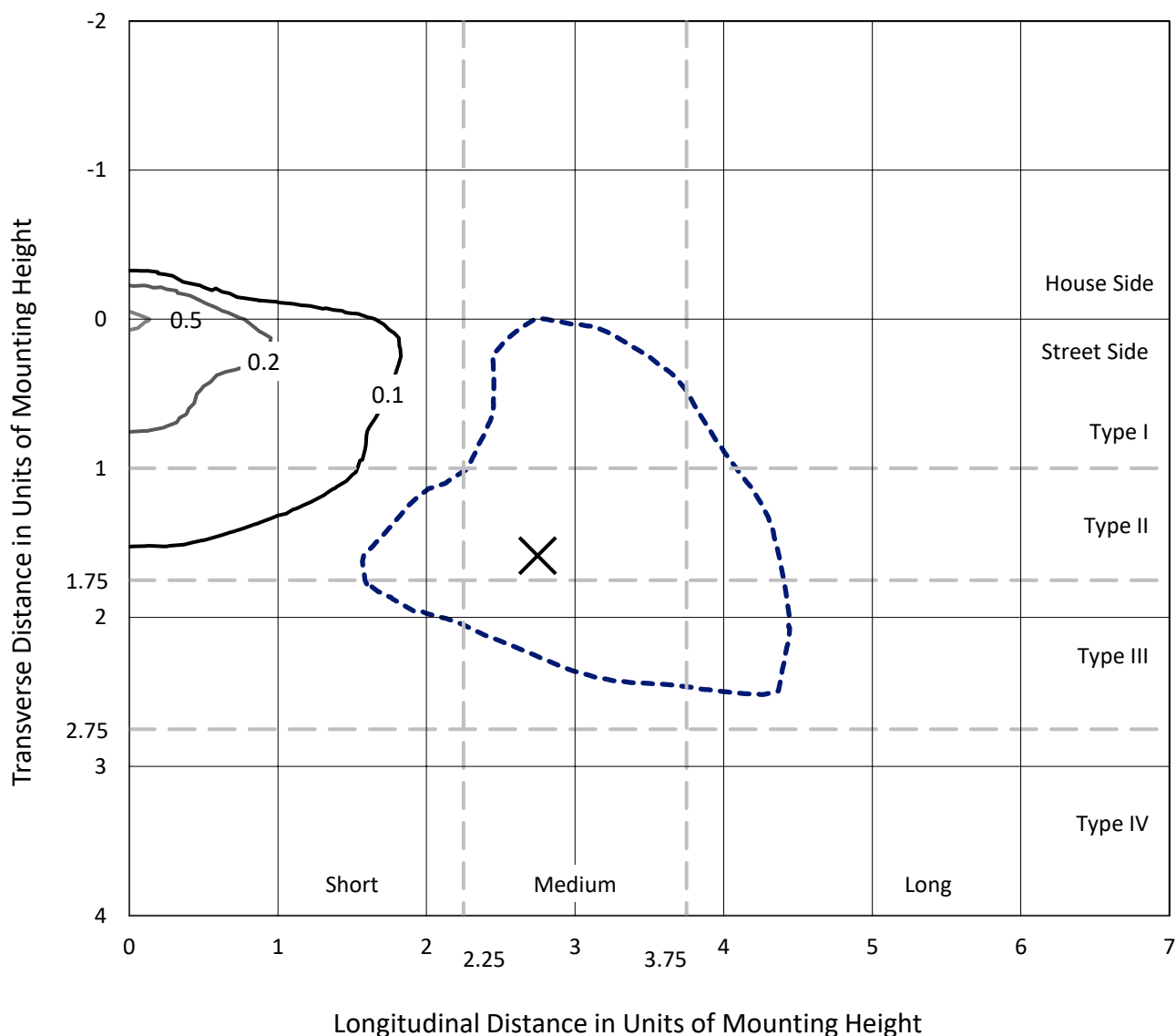
Input Watts (W): 22.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

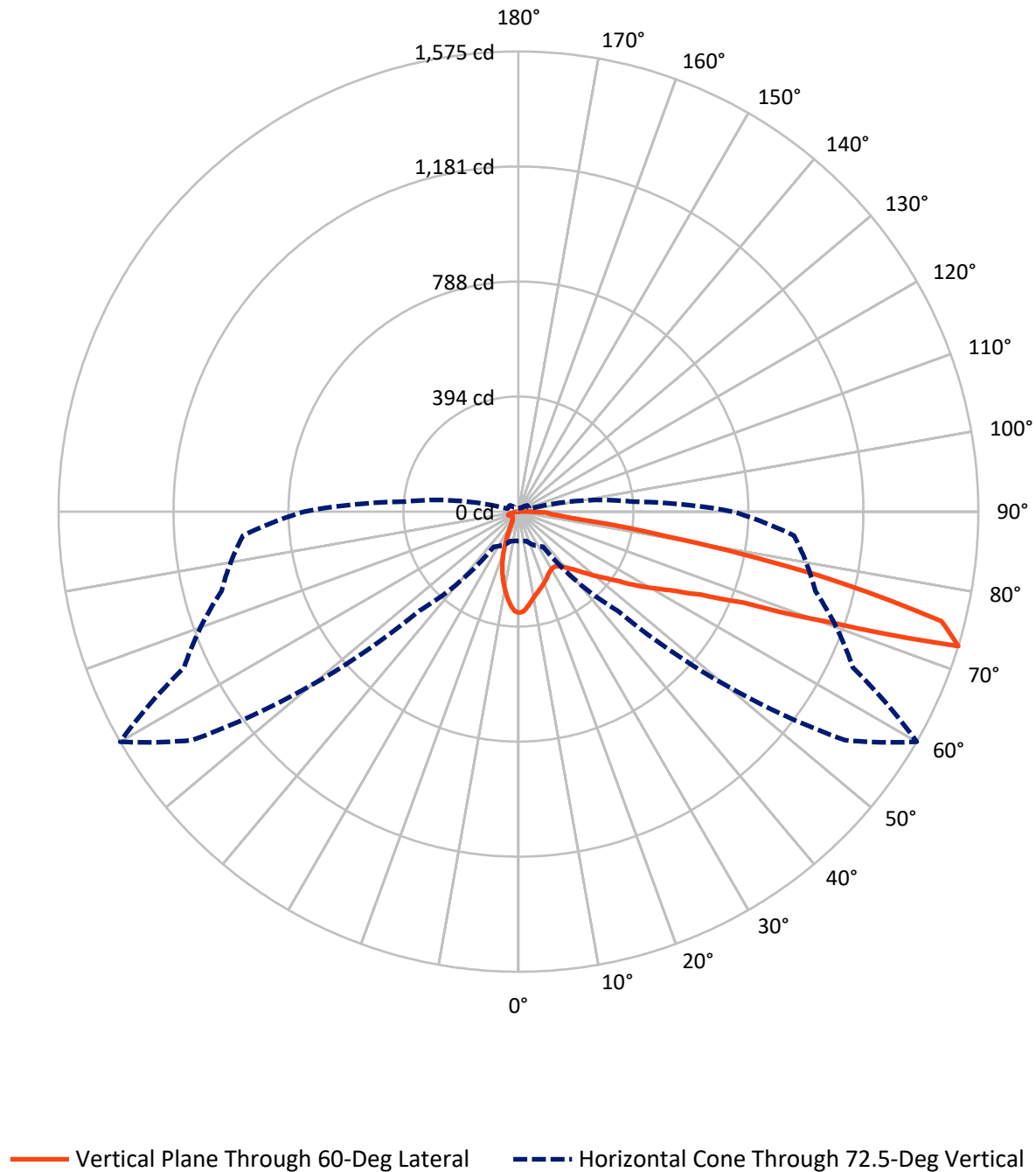
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.6 fc
 Type III - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



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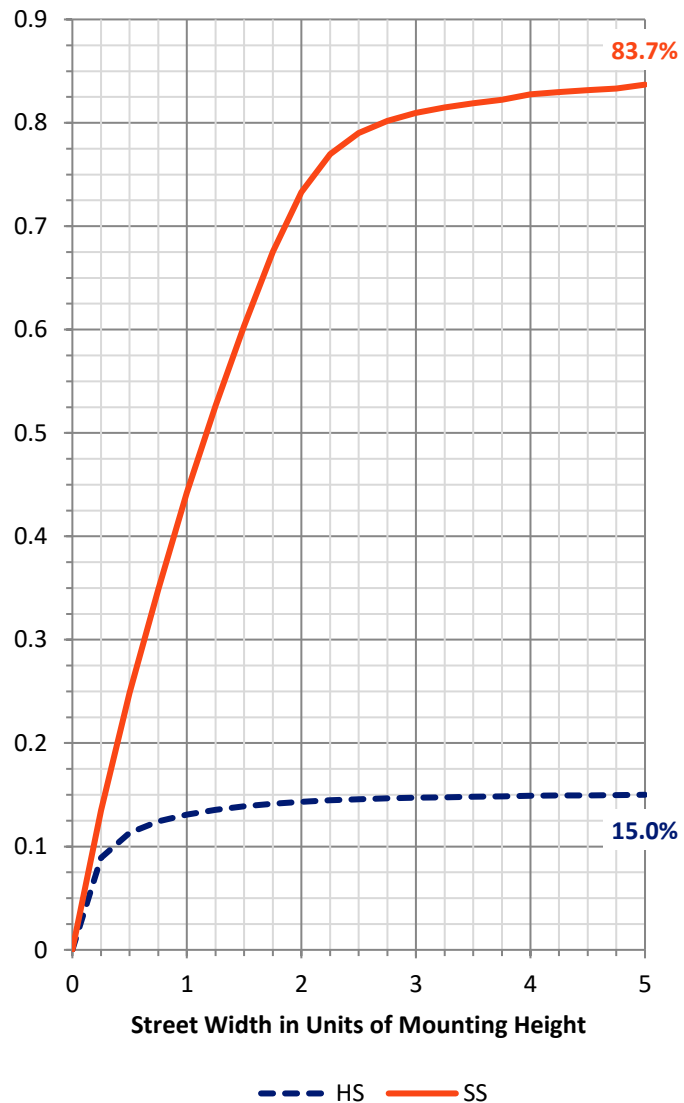
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	188.3	0.0	188.3
	% Fixture	15.2	0.0	15.2
Street Side	Lumens	1050.7	0.0	1050.7
	% Fixture	84.8	0.0	84.8
Total	Lumens	1239.0	0.0	1239.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.1	2.3
10°-20°	61.7	5.0
20°-30°	76.3	6.2
30°-40°	96.5	7.8
40°-50°	137.0	11.1
50°-60°	208.8	16.9
60°-70°	315.0	25.4
70°-80°	277.1	22.4
80°-90°	37.4	3.0
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°	1239.0	100.0
0°-180°	1239.0	100.0

Coefficient of Utilization



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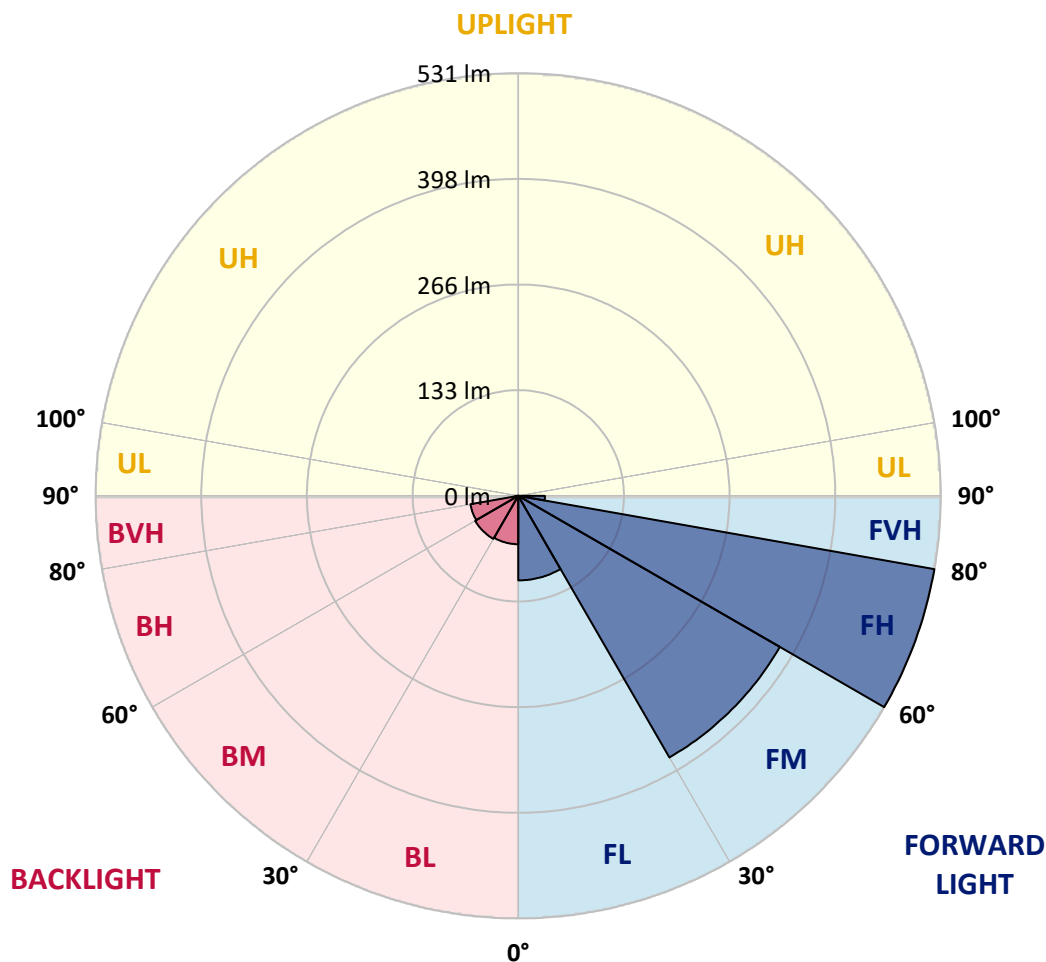
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	106.3	8.6			
FM	(30°-60°)	379.7	30.6			
FH	(60°-80°)	531.2	42.9			G0/660
FVH	(80°-90°)	33.5	2.7			G1/100
BL	(0°-30°)	60.8	4.9	B0/110		
BM	(30°-60°)	62.6	5.0	B0/220		
BH	(60°-80°)	61.0	4.9	B0/110		G0/110
BVH	(80°-90°)	3.9	0.3			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 Medium



Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	346.3	346.3	346.3	346.3	346.3	346.3	346.3	346.3	346.3	346.3	346.3
2.5°	336.8	336.8	336.8	338.9	339.5	339.5	341.6	341.6	341.1	343.2	342.6
5°	316.2	317.2	317.2	318.3	321.5	323.0	326.2	326.8	328.3	331.5	333.6
7.5°	290.7	292.3	295.0	299.2	302.4	305.0	310.9	310.9	313.5	318.3	322.0
10°	266.9	267.4	269.6	274.3	280.7	287.6	294.4	296.6	299.7	305.6	311.4
12.5°	250.5	251.6	252.6	256.8	263.7	270.6	281.2	285.4	289.2	296.0	304.0
15°	233.0	233.5	236.2	241.5	250.0	257.4	269.6	275.4	281.2	290.2	298.7
17.5°	221.4	220.8	223.0	226.7	235.7	245.7	259.0	265.9	272.7	284.9	293.9
20°	215.0	215.5	215.5	216.6	222.4	232.5	247.8	256.8	265.9	281.7	291.3
22.5°	213.4	213.4	211.8	211.3	214.0	222.4	237.8	247.8	258.4	281.2	289.7
25°	213.4	213.4	211.8	209.7	209.7	214.5	228.3	237.8	250.5	281.7	287.6
27.5°	217.1	217.1	215.0	211.8	209.2	210.2	220.8	230.9	245.2	282.8	286.0
30°	223.0	222.4	220.8	218.2	212.9	209.2	217.1	226.1	239.9	285.4	284.9
32.5°	228.8	229.3	228.3	226.1	220.3	212.4	216.6	225.1	238.8	289.2	284.9
35°	237.8	238.3	238.3	236.2	231.4	220.3	221.9	229.3	242.0	295.0	287.0
37.5°	247.8	247.8	249.4	249.4	243.6	231.4	232.0	237.8	248.4	302.9	292.3
40°	257.9	257.9	260.6	264.3	259.5	246.8	247.3	251.6	261.1	314.0	302.9
42.5°	270.6	269.6	275.4	280.1	278.0	266.4	263.7	269.0	275.9	329.4	318.8
45°	279.6	279.6	288.6	294.4	299.2	287.6	286.0	290.2	297.1	346.3	341.1
47.5°	290.2	290.7	300.3	312.5	319.9	313.0	310.9	316.7	321.5	368.6	369.1
50°	299.2	300.8	313.5	331.0	343.2	343.7	340.0	347.4	347.4	393.5	402.0
52.5°	311.4	314.0	330.5	349.5	369.6	376.5	377.6	379.7	380.2	424.2	438.5
55°	342.1	345.3	359.1	374.9	398.8	414.7	425.8	422.1	417.8	457.6	476.6
57.5°	396.7	394.0	399.3	403.0	426.3	452.3	479.8	478.2	465.5	496.2	517.4
60°	443.8	444.9	451.7	442.7	458.1	498.9	531.2	531.7	510.0	537.5	555.0
62.5°	448.0	454.9	484.0	504.2	527.5	552.9	602.1	595.3	567.2	577.8	599.0
65°	364.9	373.9	421.5	487.2	607.4	715.5	689.0	685.8	637.1	633.9	660.9
67.5°	188.0	194.9	220.3	341.6	546.5	883.3	900.8	832.5	733.5	719.7	752.5
70°	128.7	129.2	129.2	155.7	266.9	809.7	1281.6	1137.0	925.2	862.7	904.0
72.5°	100.6	100.6	104.3	127.1	146.7	480.3	1364.2	1575.0	1263.6	1052.8	947.4
75°	75.2	75.7	82.6	105.9	143.0	143.5	1141.3	1496.1	1427.2	1038.5	736.1
77.5°	57.2	56.1	65.1	87.4	139.3	130.8	615.9	1045.4	1010.4	705.9	266.9
80°	36.0	37.6	44.0	73.1	133.5	130.8	215.5	510.0	408.3	168.9	45.0
82.5°	20.7	21.7	27.5	45.5	119.7	130.3	134.5	184.8	101.2	41.8	21.2
85°	12.2	12.2	17.5	28.6	86.9	128.7	130.8	111.2	56.1	21.7	11.1
87.5°	5.3	6.4	10.1	13.8	39.2	108.6	118.6	94.3	40.8	12.2	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

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	346.3	346.3	346.3	346.3	346.3	346.3	346.3	346.3	346.3	346.3	346.3
2.5°	342.1	342.1	341.1	341.1	341.6	338.9	338.4	336.8	337.9	337.3	335.2
5°	333.1	332.6	331.5	325.7	322.5	314.6	314.6	309.8	308.2	308.2	305.0
7.5°	322.0	320.4	313.5	304.0	295.0	286.5	278.6	272.7	268.5	264.8	265.3
10°	311.4	308.2	297.1	280.7	266.4	250.5	238.3	224.5	217.1	206.5	210.8
12.5°	302.9	298.2	280.1	256.8	235.7	212.4	188.0	167.3	150.4	139.8	133.5
15°	296.0	288.1	261.6	232.5	203.9	170.0	137.2	109.1	87.9	81.6	82.1
17.5°	289.7	278.6	245.2	207.6	168.9	127.6	90.0	71.5	64.6	61.4	61.4
20°	283.9	267.4	224.0	180.1	130.3	85.8	64.6	58.3	55.6	54.0	53.5
22.5°	276.4	257.4	203.4	151.5	93.2	62.0	53.5	50.3	49.8	49.8	49.8
25°	270.6	245.2	181.6	116.0	64.6	50.3	46.1	45.5	46.1	46.6	46.6
27.5°	263.7	233.0	159.9	81.6	49.3	42.4	40.8	41.8	42.9	44.0	44.0
30°	257.4	221.4	136.6	57.2	40.8	37.1	37.1	38.1	39.7	40.8	40.8
32.5°	253.1	212.9	109.1	45.0	36.0	33.9	34.4	35.0	36.5	37.1	37.1
35°	250.0	204.4	82.1	38.1	32.8	31.8	32.3	32.8	33.4	33.9	33.9
37.5°	250.5	199.7	58.8	33.9	30.7	30.2	30.7	30.7	30.7	31.2	31.2
40°	256.8	197.5	46.6	31.2	29.7	29.1	29.1	28.6	28.6	29.1	29.1
42.5°	266.4	198.1	41.3	30.2	28.6	28.1	27.5	27.0	27.0	27.0	27.0
45°	281.7	203.4	38.1	29.1	28.1	27.0	25.9	25.4	25.4	26.5	26.5
47.5°	304.5	211.3	35.0	28.6	27.0	25.4	24.9	24.4	24.9	25.4	25.9
50°	331.0	218.2	33.4	28.1	27.0	24.4	23.8	23.3	23.8	25.4	25.4
52.5°	361.7	228.3	32.8	28.1	26.5	23.8	22.8	22.8	23.3	24.9	24.9
55°	396.1	243.6	33.4	28.1	25.9	23.3	22.2	21.7	22.8	23.8	23.8
57.5°	432.1	264.3	34.4	28.1	24.9	23.3	21.7	20.7	21.2	22.2	22.2
60°	468.2	292.3	36.0	27.5	24.4	22.8	21.2	19.6	19.6	20.7	20.7
62.5°	511.0	327.3	41.3	28.6	24.4	21.7	19.6	18.0	18.0	18.5	18.5
65°	567.2	378.1	49.3	32.3	26.5	20.7	18.0	16.4	16.4	16.4	16.4
67.5°	659.9	459.1	52.4	36.0	30.2	20.7	16.9	15.4	14.8	14.8	14.3
70°	780.6	512.1	46.6	37.6	36.0	21.2	15.9	13.8	13.2	13.2	12.7
72.5°	732.9	390.3	39.7	36.5	36.5	21.7	15.4	13.2	12.2	11.7	11.7
75°	503.6	181.1	35.0	33.9	31.8	18.5	14.3	12.2	11.1	10.1	10.1
77.5°	148.3	48.7	29.1	29.7	24.4	15.4	13.2	11.1	10.1	9.0	9.0
80°	35.0	28.1	21.2	21.7	16.4	11.7	10.6	10.1	9.0	7.9	7.9
82.5°	20.1	18.0	14.8	13.8	10.1	7.9	8.5	8.5	7.9	6.9	6.4
85°	10.1	10.6	9.0	7.9	6.4	5.3	5.3	5.8	5.3	4.2	4.2
87.5°	5.8	5.3	5.8	4.2	3.2	2.6	3.2	3.2	3.2	2.1	2.1
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)