

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: P459594

Luminaire Tested: **GAN-SA1A-AMB-U-SL2-HSS**

Issue Date: 1/6/2021

Test Information

Test Method: LM-79-08
Report Number: P459594
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2003-697-5)
Test Lab: INNOVATION CENTER
Issue Date: 1/6/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA1A-AMB-U-SL2-HSS
Description: GALLEON ROADWAY AND AREA LUMINAIRE
(1) NARROW BAND AMBER, 500mA LIGHTSQUARE WITH 16 LEDS AND TYPE II SPILL
LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 962 lumens
Efficiency: N/A
Efficacy: 42.6 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

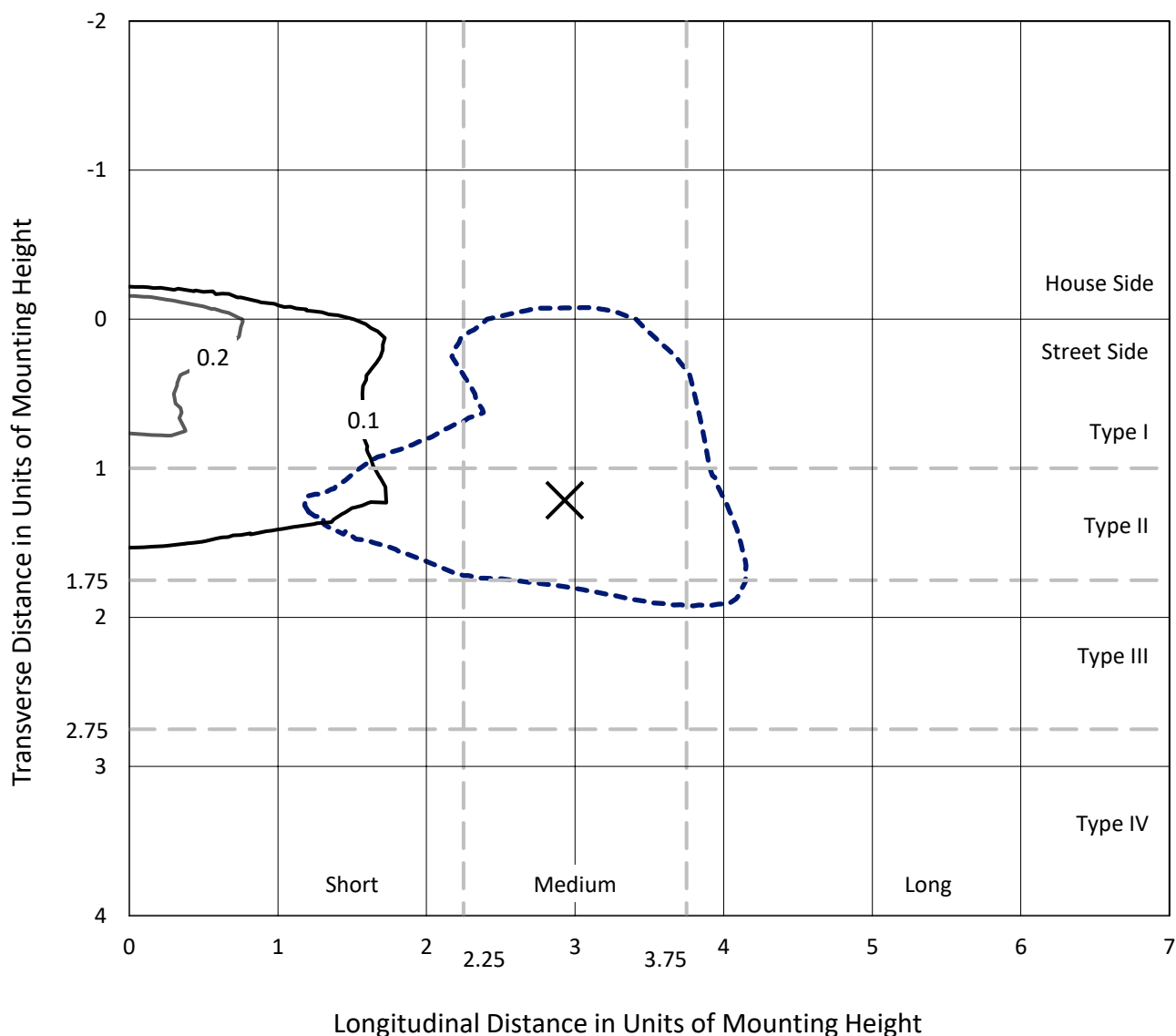
Input Watts (W): 22.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P459594
 CATALOG NUMBER: GAN-SA1A-AMB-U-SL2-HSS

Iso-Footcandle Lines of Horizontal Illumination

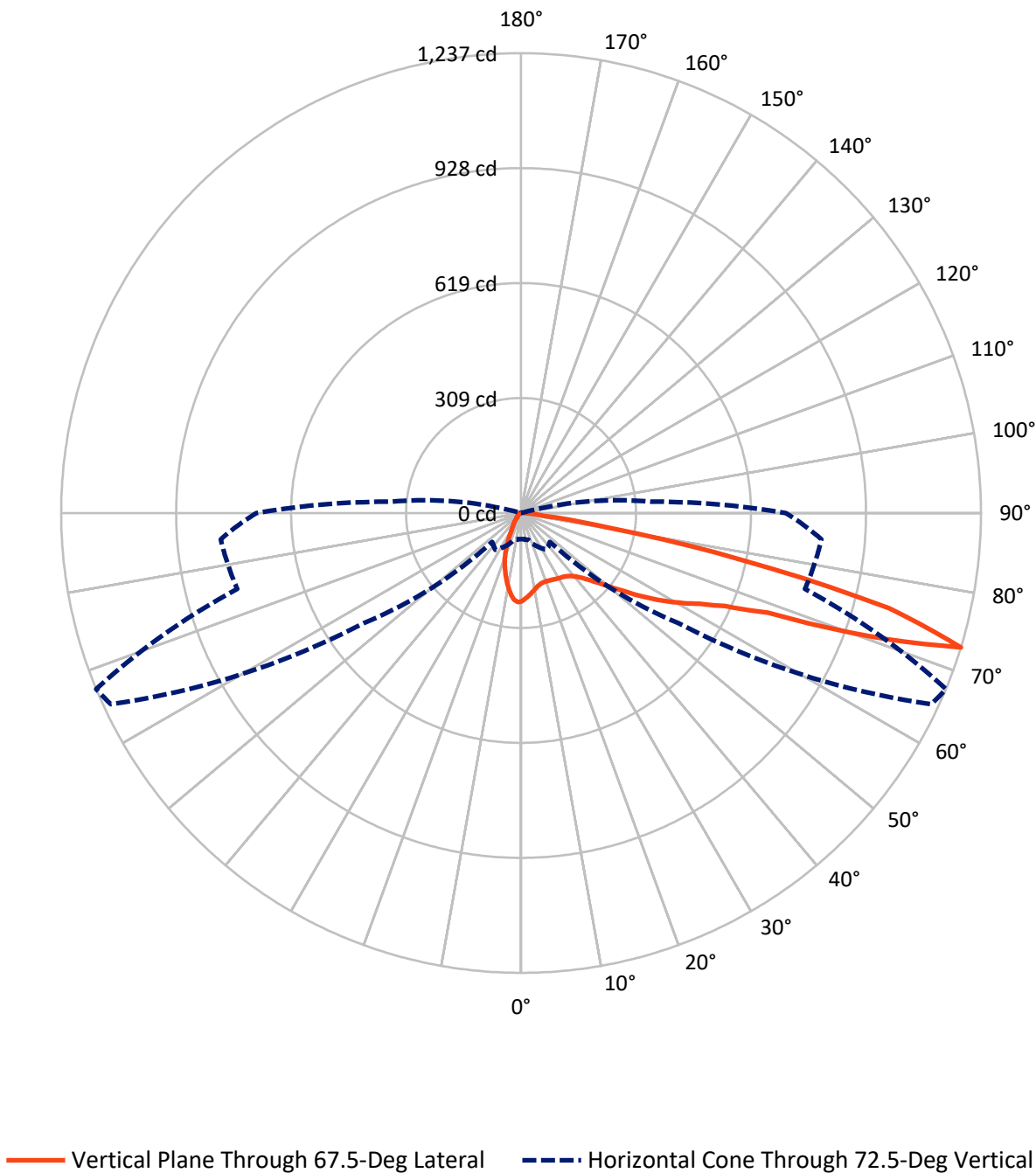
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.4 fc
 Type III - Medium - Non-Cutoff

REPORT NUMBER: P459594
CATALOG NUMBER: GAN-SA1A-AMB-U-SL2-HSS

Luminous Intensity Polar Plot



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CATALOG NUMBER: GAN-SA1A-AMB-U-SL2-HSS

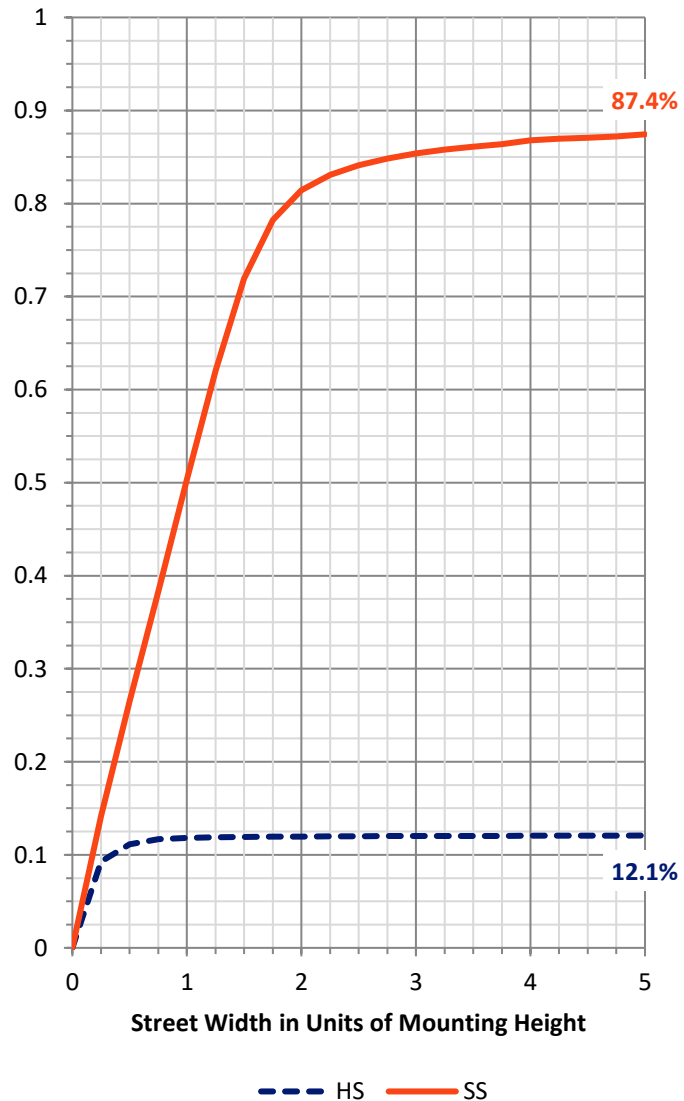
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	117.4	0.0	117.4
	% Fixture	12.2	0.0	12.2
Street Side	Lumens	844.6	0.0	844.6
	% Fixture	87.8	0.0	87.8
Total	Lumens	962.0	0.0	962.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.6	2.0
10°-20°	41.4	4.3
20°-30°	58.4	6.1
30°-40°	83.7	8.7
40°-50°	126.3	13.1
50°-60°	202.4	21.0
60°-70°	239.3	24.9
70°-80°	174.8	18.2
80°-90°	16.2	1.7
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°	962.0	100.0
0°-180°	962.0	100.0

Coefficient of Utilization



REPORT NUMBER: P459594

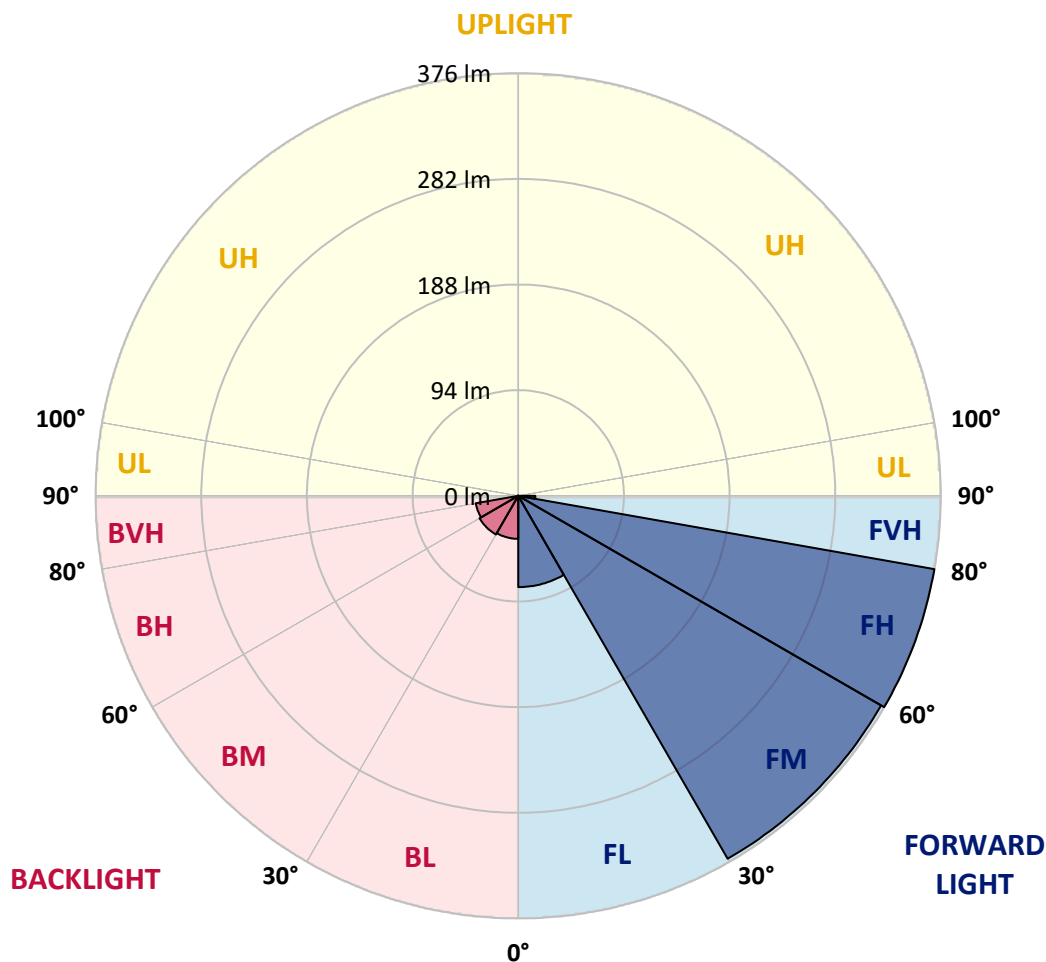
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	81.1	8.4			
FM	(30°-60°)	372.6	38.7			
FH	(60°-80°)	375.7	39.1			G0/660
FVH	(80°-90°)	15.2	1.6			G1/100
BL	(0°-30°)	38.3	4.0	B0/110		
BM	(30°-60°)	39.7	4.1	B0/220		
BH	(60°-80°)	38.3	4.0	B0/110		G0/110
BVH	(80°-90°)	1.0	0.1			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



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67.5°	75°	85°
0°	237.7	237.7	237.7	237.7	237.7	237.7	237.7	237.7	237.7	237.7	237.7
2.5°	222.9	224.0	224.0	225.6	226.1	226.6	229.8	230.9	230.3	233.5	235.6
5°	208.1	208.1	209.1	211.8	213.9	215.5	219.2	222.4	222.9	226.6	232.4
7.5°	195.9	197.0	197.0	198.6	201.7	204.4	209.1	214.4	215.5	220.3	227.2
10°	186.4	185.9	187.4	189.0	191.7	194.3	199.6	205.4	207.6	212.9	220.8
12.5°	177.4	177.9	178.4	181.1	184.3	186.9	192.2	199.1	201.2	208.1	217.6
15°	172.1	172.1	172.6	174.2	177.4	181.1	187.4	194.9	197.5	205.4	216.6
17.5°	170.5	170.5	170.0	170.5	173.1	176.8	184.3	193.3	195.9	204.4	218.1
20°	171.0	171.0	170.0	169.4	171.0	174.7	183.2	192.7	195.9	206.0	222.4
22.5°	174.2	173.7	172.6	171.0	171.0	174.7	183.7	193.8	197.0	208.1	226.1
25°	182.1	180.0	179.0	175.8	173.7	175.3	184.3	195.4	198.6	209.7	231.4
27.5°	189.6	189.0	189.0	185.9	179.0	177.4	186.4	198.0	200.7	211.8	238.3
30°	202.3	201.2	201.2	197.5	189.0	181.6	188.5	200.1	203.3	213.4	245.2
32.5°	218.1	218.7	217.6	212.9	202.3	189.6	192.2	202.8	205.4	214.4	252.0
35°	235.6	236.2	238.8	233.5	219.7	201.7	198.0	207.6	209.1	216.6	257.3
37.5°	249.9	249.9	256.8	257.9	240.9	216.6	207.6	215.5	215.0	219.2	262.6
40°	265.8	265.8	273.7	280.1	267.9	236.7	219.7	225.0	224.0	225.0	270.0
42.5°	282.7	283.8	292.3	303.4	297.0	262.6	237.2	239.9	237.7	234.6	278.0
45°	299.2	301.8	313.5	328.3	327.8	293.3	260.0	260.5	256.8	250.4	294.4
47.5°	318.2	320.3	336.8	355.3	360.1	328.3	289.1	287.0	282.2	272.2	316.6
50°	350.5	351.6	363.2	384.9	393.9	366.9	321.9	318.2	312.9	300.2	346.8
52.5°	389.2	388.6	393.9	416.7	441.1	411.9	364.8	359.5	351.1	334.6	383.9
55°	406.1	407.7	415.6	443.2	490.3	477.6	413.0	405.6	396.6	375.4	422.0
57.5°	376.5	376.5	392.4	435.8	517.8	564.4	467.0	455.4	444.2	417.2	465.4
60°	301.3	300.7	319.8	372.2	497.2	640.2	542.2	507.3	490.3	454.3	508.8
62.5°	211.3	207.0	215.5	259.4	407.2	641.2	682.5	561.3	538.5	492.4	554.9
65°	151.4	148.8	150.4	162.6	233.5	579.8	837.7	643.3	602.6	532.7	610.5
67.5°	123.9	120.7	120.2	135.0	134.5	383.9	884.2	805.4	716.4	591.4	673.5
70°	99.0	97.4	96.9	118.1	124.4	125.0	824.4	1151.6	993.9	678.8	757.7
72.5°	70.4	70.4	74.7	98.0	120.7	109.6	515.7	1217.8	1237.4	790.5	811.2
75°	42.4	41.8	52.4	77.8	116.5	105.9	159.4	1005.0	1023.0	740.2	627.4
77.5°	20.1	20.1	29.1	52.4	103.3	99.5	91.1	601.0	605.2	449.5	318.2
80°	7.9	7.9	12.7	32.3	78.4	98.5	84.7	247.8	238.8	123.9	43.9
82.5°	3.2	3.2	5.3	18.0	48.7	81.0	75.2	82.1	61.4	14.3	11.6
85°	0.5	1.1	2.1	10.6	27.5	42.9	60.9	50.8	32.3	8.5	8.5
87.5°	0.0	0.5	1.1	3.2	7.9	18.0	30.7	23.3	14.8	2.6	3.7
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°	237.7	237.7	237.7	237.7	237.7	237.7	237.7	237.7	237.7	237.7	237.7
2.5°	236.2	237.2	239.3	240.4	240.9	238.8	238.8	236.7	236.2	236.2	236.2
5°	233.5	235.6	237.2	233.5	227.7	220.3	211.8	206.5	201.2	202.3	200.1
7.5°	230.3	233.0	230.9	218.7	203.9	190.1	175.3	166.8	156.7	155.7	153.0
10°	225.6	228.2	220.3	199.1	176.3	156.2	134.5	121.3	110.7	102.2	100.1
12.5°	224.5	226.1	207.6	178.4	148.8	120.2	92.1	67.2	52.4	45.0	45.0
15°	225.0	225.0	195.9	157.8	119.1	79.4	44.5	32.3	27.0	26.5	25.9
17.5°	227.7	224.5	184.3	137.7	87.4	41.3	26.5	24.4	23.3	23.3	23.3
20°	232.4	224.5	174.2	116.5	55.1	25.9	22.8	21.7	21.2	20.7	20.7
22.5°	237.2	222.4	161.5	92.1	31.8	21.7	20.1	19.6	18.5	18.0	18.0
25°	242.5	220.3	149.3	66.2	22.2	19.1	17.5	16.4	15.4	14.8	14.8
27.5°	247.3	218.1	135.0	41.8	19.6	16.9	15.4	13.8	12.2	11.6	11.6
30°	250.4	214.4	121.3	26.5	17.5	15.4	13.2	11.1	9.5	9.0	9.0
32.5°	251.0	209.7	104.3	19.6	15.9	13.2	10.6	9.0	7.9	7.4	7.4
35°	249.4	203.9	85.8	17.5	14.3	11.6	9.0	7.4	6.4	6.4	6.4
37.5°	247.3	198.0	66.7	15.9	12.7	10.1	7.4	6.4	5.8	5.3	5.3
40°	246.7	192.2	44.5	14.8	11.6	8.5	6.4	5.3	4.8	4.2	4.2
42.5°	248.3	188.0	31.2	13.8	10.1	7.4	5.8	4.8	3.7	3.7	3.2
45°	256.3	186.9	22.8	12.7	9.0	6.4	4.8	3.7	3.2	2.6	2.6
47.5°	269.5	189.0	18.5	11.6	7.9	5.3	4.2	3.2	2.6	2.1	2.1
50°	288.6	197.0	16.9	10.6	6.4	4.8	3.2	2.6	2.1	2.1	2.1
52.5°	318.2	209.7	15.9	9.5	5.3	3.7	2.6	2.1	1.6	1.6	1.6
55°	350.0	224.5	15.4	8.5	4.8	3.2	2.1	1.6	1.6	1.1	1.1
57.5°	386.5	244.1	14.3	7.4	4.2	3.2	2.1	1.6	1.1	1.1	1.1
60°	432.6	270.6	12.7	6.4	3.7	2.6	1.6	1.1	1.1	1.1	1.1
62.5°	480.2	298.1	11.1	5.3	3.2	2.1	1.6	1.1	1.1	1.1	1.1
65°	538.5	329.9	9.5	4.2	2.6	2.1	1.6	1.1	1.1	0.5	0.5
67.5°	608.9	362.2	7.4	3.7	2.6	1.6	1.6	1.1	1.1	0.5	0.5
70°	698.9	403.5	6.4	3.2	2.1	1.6	1.6	1.1	1.1	0.5	0.5
72.5°	712.7	348.4	5.3	3.2	2.1	1.6	1.6	1.1	1.1	0.5	0.5
75°	487.1	166.3	4.8	2.6	2.1	2.1	1.6	1.1	1.1	0.5	0.5
77.5°	212.3	39.2	4.2	2.6	2.1	2.1	2.1	1.6	1.1	0.5	0.5
80°	24.9	7.4	3.7	2.6	2.1	2.6	2.1	1.6	1.1	0.5	0.5
82.5°	10.1	4.8	3.7	3.2	2.6	2.1	2.1	1.6	1.1	0.5	0.5
85°	7.4	3.7	3.7	3.7	2.6	1.6	1.6	1.1	1.1	0.5	0.5
87.5°	3.7	1.6	1.1	1.1	1.1	1.1	1.1	0.5	0.5	0.5	0.5
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)