

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: P459595

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

Issue Date: 1/6/2021

Test Information

Test Method: LM-79-08
Report Number: P459595
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2003-697-4)
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
Description: GALLEON ROADWAY AND AREA LUMINAIRE
(1) NARROW BAND AMBER, 500mA LIGHTSQUARE WITH 16 LEDS AND TYPE II SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1236 lumens
Efficiency: N/A
Efficacy: 54.7 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

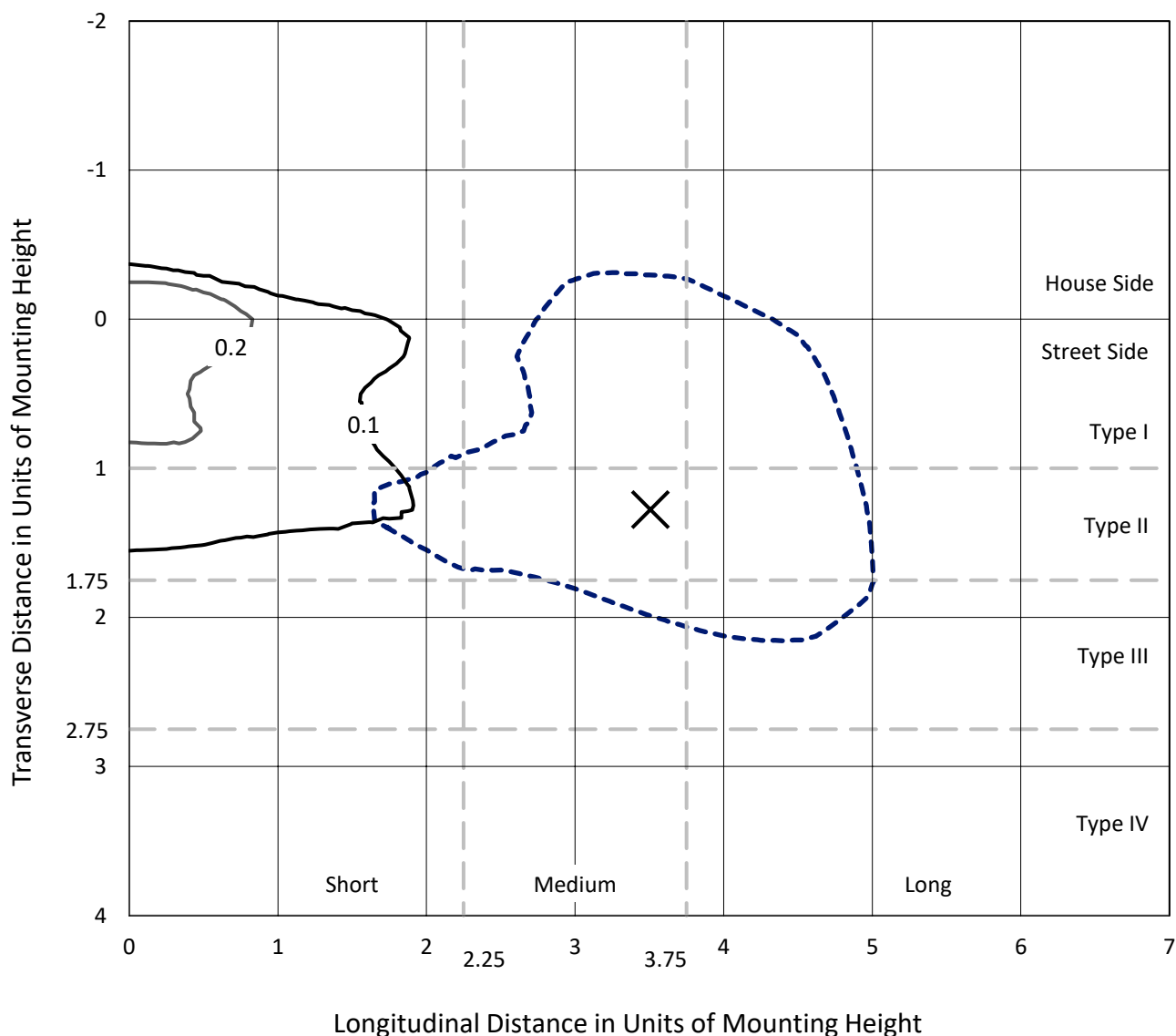
Input Watts (W): 22.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P459595
 CATALOG NUMBER: GAN-SA1A-AMB-U-SL2

Iso-Footcandle Lines of Horizontal Illumination

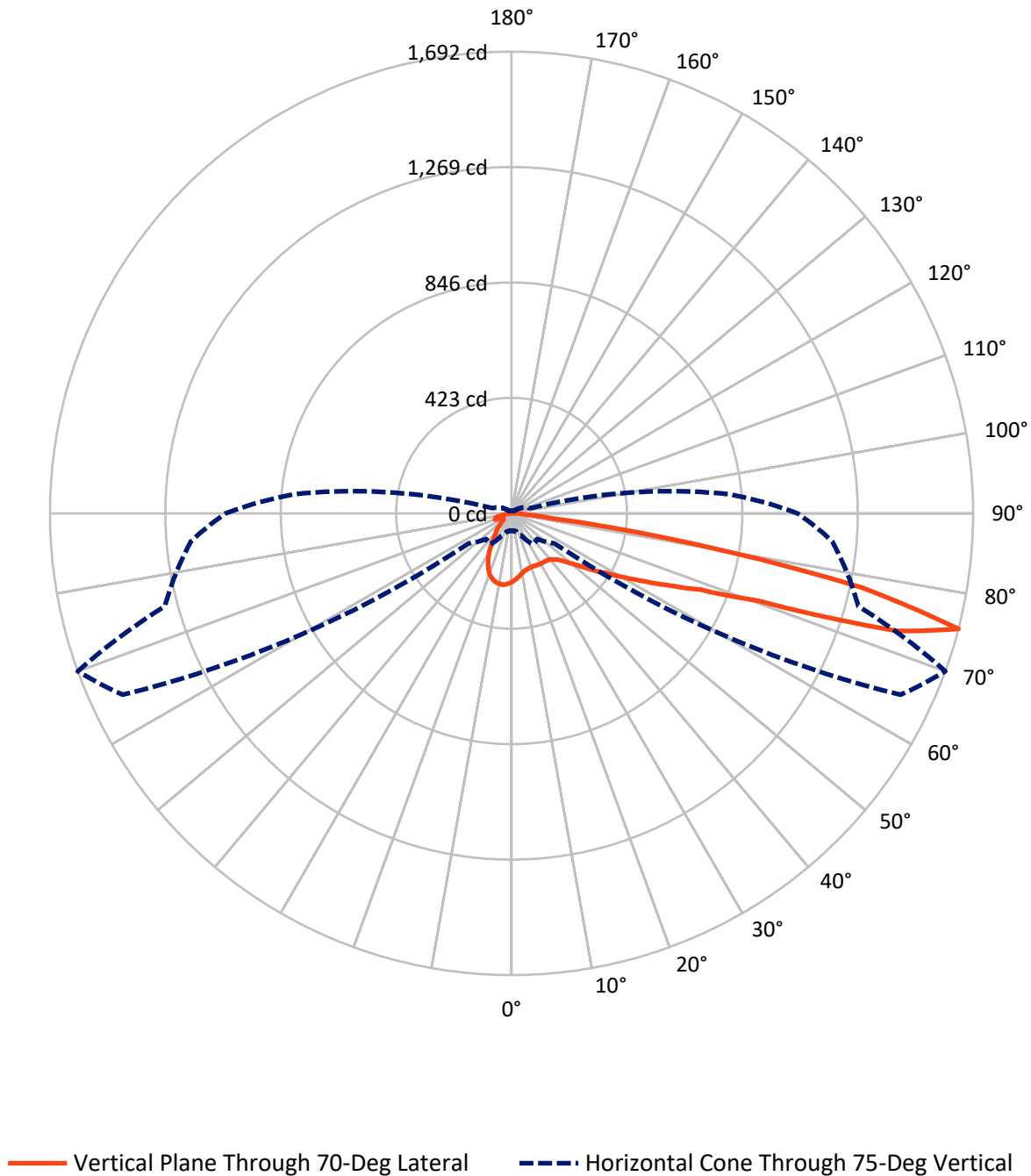
× Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P459595
CATALOG NUMBER: GAN-SA1A-AMB-U-SL2

Luminous Intensity Polar Plot



REPORT NUMBER: P459595

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

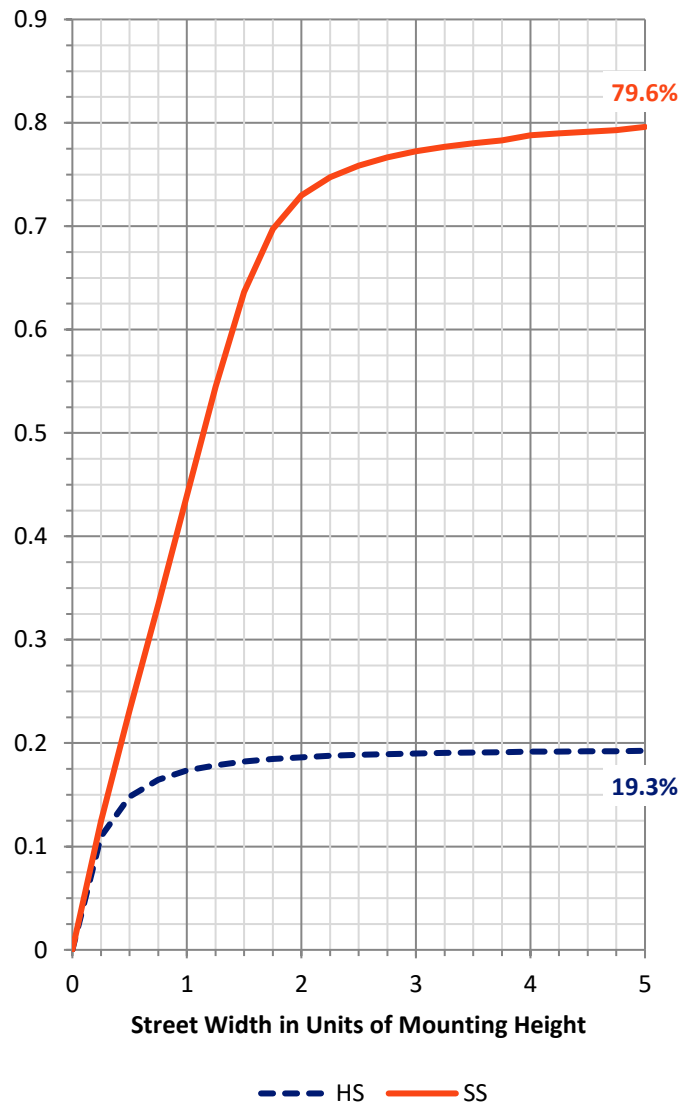
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	241.2	0.0	241.2
	% Fixture	19.5	0.0	19.5
Street Side	Lumens	994.8	0.0	994.8
	% Fixture	80.5	0.0	80.5
Total	Lumens	1236.0	0.0	1236.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.8	1.8
10°-20°	55.3	4.5
20°-30°	74.4	6.0
30°-40°	97.8	7.9
40°-50°	139.6	11.3
50°-60°	217.4	17.6
60°-70°	283.8	23.0
70°-80°	301.6	24.4
80°-90°	43.2	3.5
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°	1236.0	100.0
0°-180°	1236.0	100.0

Coefficient of Utilization



REPORT NUMBER: P459595

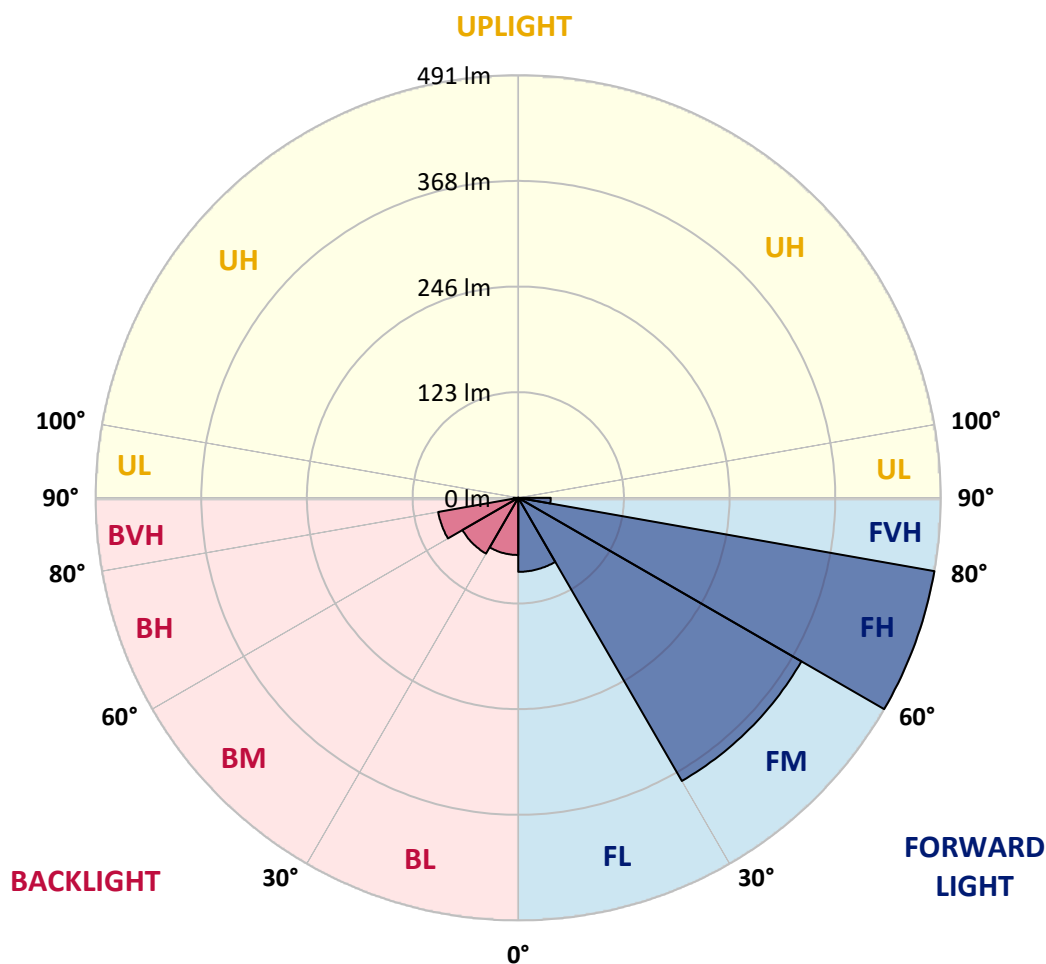
CATALOG NUMBER: GAN-SA1A-AMB-U-SL2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	86.0	7.0			
FM	(30°-60°)	380.0	30.7			
FH	(60°-80°)	491.1	39.7			G0/660
FVH	(80°-90°)	37.8	3.1			G1/100
BL	(0°-30°)	66.5	5.4	B0/110		
BM	(30°-60°)	74.9	6.1	B0/220		
BH	(60°-80°)	94.4	7.6	B0/110		G0/110
BVH	(80°-90°)	5.4	0.4			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



REPORT NUMBER: P459595

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

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	251.4	251.4	251.4	251.4	251.4	251.4	251.4	251.4	251.4	251.4	251.4
2.5°	235.6	235.6	237.2	237.2	239.3	239.8	241.9	243.0	244.0	245.6	248.8
5°	218.6	218.1	219.7	222.3	225.0	227.6	231.3	235.0	236.6	239.3	244.6
7.5°	205.9	205.9	207.0	208.6	212.3	215.4	221.3	225.5	229.2	232.9	240.3
10°	196.4	196.4	197.5	199.0	202.7	205.4	210.7	218.1	221.3	226.6	236.1
12.5°	187.4	188.5	189.0	191.1	193.7	197.5	202.7	210.7	216.0	222.3	235.0
15°	183.2	183.2	183.7	185.3	187.9	191.6	198.0	206.4	212.3	219.7	235.6
17.5°	182.1	181.6	181.0	181.6	184.2	187.9	194.3	203.8	210.2	218.6	238.2
20°	182.6	182.1	181.6	180.5	181.6	185.3	193.2	202.7	209.1	218.1	242.4
22.5°	185.3	185.3	184.2	182.1	181.6	184.2	192.7	202.7	209.6	218.6	246.7
25°	192.7	192.2	191.1	186.9	183.7	184.7	192.7	203.8	210.7	219.7	250.4
27.5°	200.6	200.6	199.6	195.9	189.5	186.9	193.7	205.4	212.3	220.7	254.6
30°	213.3	212.8	211.7	207.5	199.6	191.1	195.9	207.0	213.3	221.3	258.3
32.5°	228.7	228.7	229.2	223.9	212.3	198.5	198.0	208.0	213.9	221.8	262.6
35°	246.7	247.2	248.8	244.6	230.3	209.6	203.3	210.7	214.9	222.3	266.8
37.5°	259.9	260.4	266.3	267.3	250.4	224.4	211.7	216.0	217.0	223.4	271.0
40°	275.3	275.3	283.7	290.1	279.0	245.1	223.4	222.3	221.8	227.6	276.3
42.5°	292.2	294.3	301.7	312.3	307.6	268.9	239.8	233.4	230.8	235.0	284.8
45°	308.1	309.1	322.9	335.1	335.6	301.2	263.1	250.9	243.5	248.3	300.1
47.5°	325.6	327.1	344.1	363.7	367.4	335.6	289.6	272.6	263.1	267.9	322.4
50°	351.0	353.6	367.9	391.7	401.8	376.4	323.4	302.8	292.2	294.3	353.6
52.5°	391.7	391.2	398.1	421.4	445.7	421.4	369.0	339.8	325.6	328.7	393.8
55°	416.1	415.5	425.1	450.5	494.9	478.0	419.3	383.8	370.6	369.0	440.4
57.5°	394.4	395.4	411.8	451.5	528.3	566.4	474.3	437.2	414.5	417.1	497.1
60°	329.8	323.4	342.0	396.0	518.2	665.4	552.6	501.8	478.0	473.2	568.5
62.5°	222.3	224.4	236.6	271.6	443.6	692.4	752.7	582.3	549.5	541.0	635.8
65°	167.3	166.7	167.3	173.1	240.3	667.0	959.7	689.2	637.9	609.8	706.7
67.5°	139.8	138.2	137.6	150.9	149.8	419.8	1028.5	932.2	746.4	687.1	775.5
70°	118.6	115.4	114.3	135.5	139.2	148.7	1020.6	1384.3	958.7	795.1	866.6
72.5°	90.0	89.5	91.6	115.4	137.1	130.2	614.6	1582.3	1474.3	1003.7	1054.5
75°	64.1	63.5	69.3	93.7	139.2	132.3	192.2	1572.7	1691.8	1315.5	1179.9
77.5°	42.3	41.8	47.1	67.2	130.8	132.9	125.5	1138.6	1315.5	1232.3	967.1
80°	28.1	27.0	30.7	46.6	104.8	142.4	122.8	563.8	670.7	570.6	321.3
82.5°	16.4	15.9	19.6	32.3	68.8	140.8	123.9	177.3	145.0	74.1	40.2
85°	8.5	9.0	12.7	19.6	44.5	124.4	132.3	91.0	42.3	30.2	20.1
87.5°	2.6	3.7	6.9	10.6	24.9	85.8	117.5	70.4	30.7	19.6	11.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P459595

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

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	251.4	251.4	251.4	251.4	251.4	251.4	251.4	251.4	251.4	251.4	251.4
2.5°	249.9	251.4	254.6	258.3	262.0	263.6	265.7	266.3	267.3	267.9	267.3
5°	248.3	252.0	258.9	263.6	266.8	266.3	265.7	264.1	263.6	263.1	262.0
7.5°	245.1	251.4	261.5	265.7	263.6	257.3	252.0	245.6	243.5	240.9	240.3
10°	243.5	252.5	262.6	262.0	253.6	241.4	230.8	220.7	213.9	209.6	207.5
12.5°	245.1	256.2	264.7	255.2	240.3	221.8	203.3	187.9	172.6	167.3	164.6
15°	249.9	262.0	264.7	246.2	223.4	196.9	168.9	144.5	126.5	117.5	115.9
17.5°	255.7	266.8	261.0	235.0	203.8	165.7	132.3	101.1	87.3	83.6	83.1
20°	262.6	272.6	255.2	221.3	178.4	133.4	90.0	74.1	72.5	73.1	73.6
22.5°	268.4	275.3	245.6	202.7	148.2	89.5	63.0	59.8	63.0	67.2	68.3
25°	272.6	273.7	235.0	179.5	113.8	57.2	49.8	49.2	54.0	61.4	63.5
27.5°	275.3	268.4	220.7	154.6	69.9	44.5	40.8	42.3	46.1	51.3	52.4
30°	276.9	263.1	207.0	128.6	44.5	37.6	37.1	38.1	39.7	42.3	42.9
32.5°	277.4	257.8	192.2	95.8	37.6	34.4	34.4	35.5	36.0	37.6	37.6
35°	276.3	251.4	177.3	60.3	34.4	33.3	32.8	32.8	32.8	33.3	33.3
37.5°	273.7	245.1	159.9	40.2	32.8	31.8	31.2	31.2	30.7	30.7	30.7
40°	272.1	239.8	143.5	34.9	31.2	30.7	30.2	29.1	28.6	28.6	28.6
42.5°	273.7	237.2	123.3	33.3	30.2	29.6	28.6	27.5	27.5	27.5	27.5
45°	280.6	237.7	97.9	32.3	29.6	28.6	27.0	25.9	25.9	26.5	26.5
47.5°	293.8	242.4	75.7	31.2	28.6	27.5	25.4	24.9	24.9	24.9	24.9
50°	313.9	252.0	59.8	30.2	28.1	26.5	24.9	23.8	23.8	23.8	23.3
52.5°	342.5	269.4	47.1	29.6	27.5	25.9	23.8	22.8	22.2	22.2	21.7
55°	382.2	297.0	43.4	29.6	26.5	24.9	22.8	21.2	20.6	20.1	20.1
57.5°	435.1	336.1	42.9	29.1	24.9	23.3	21.2	19.6	19.1	19.1	18.5
60°	499.7	388.5	43.4	28.1	23.8	21.7	19.6	18.5	17.5	17.5	17.5
62.5°	572.2	445.7	43.4	27.5	23.3	20.6	18.5	16.9	16.4	15.9	15.9
65°	645.8	515.6	46.6	27.0	22.2	18.5	16.9	15.9	14.8	14.8	14.8
67.5°	726.8	600.8	63.5	27.0	21.2	16.9	15.4	14.3	13.8	13.8	13.8
70°	831.6	741.6	96.3	33.9	21.7	15.9	13.8	13.2	12.7	12.7	12.7
72.5°	1047.1	904.1	76.8	47.1	25.4	14.3	12.2	11.6	11.6	11.1	11.1
75°	1048.1	802.0	73.1	50.3	27.5	13.2	11.1	10.6	10.1	10.1	10.1
77.5°	775.0	523.5	62.5	39.2	23.8	11.6	10.1	9.5	9.0	9.0	9.0
80°	228.7	135.0	39.2	28.6	15.4	9.5	8.5	7.9	7.4	7.4	7.4
82.5°	39.2	35.5	18.0	15.4	9.5	7.4	6.9	6.4	5.8	5.8	5.8
85°	19.1	18.5	10.1	8.5	6.4	5.3	5.3	4.8	4.2	4.2	4.2
87.5°	11.6	10.6	7.4	4.8	3.7	2.6	3.2	2.6	2.6	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)