

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: P534563

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

Issue Date: 6/10/2021

Test Information

Test Method: LM-79-08
Report Number: P534563
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-067-5)
Test Lab: INNOVATION CENTER
Issue Date: 6/10/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA1A-AMB-U-SL2-HSS
Description: GALLEON AREA AND ROADWAY 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: 976 lumens
Efficiency: N/A
Efficacy: 47.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B0 - U0 - G1

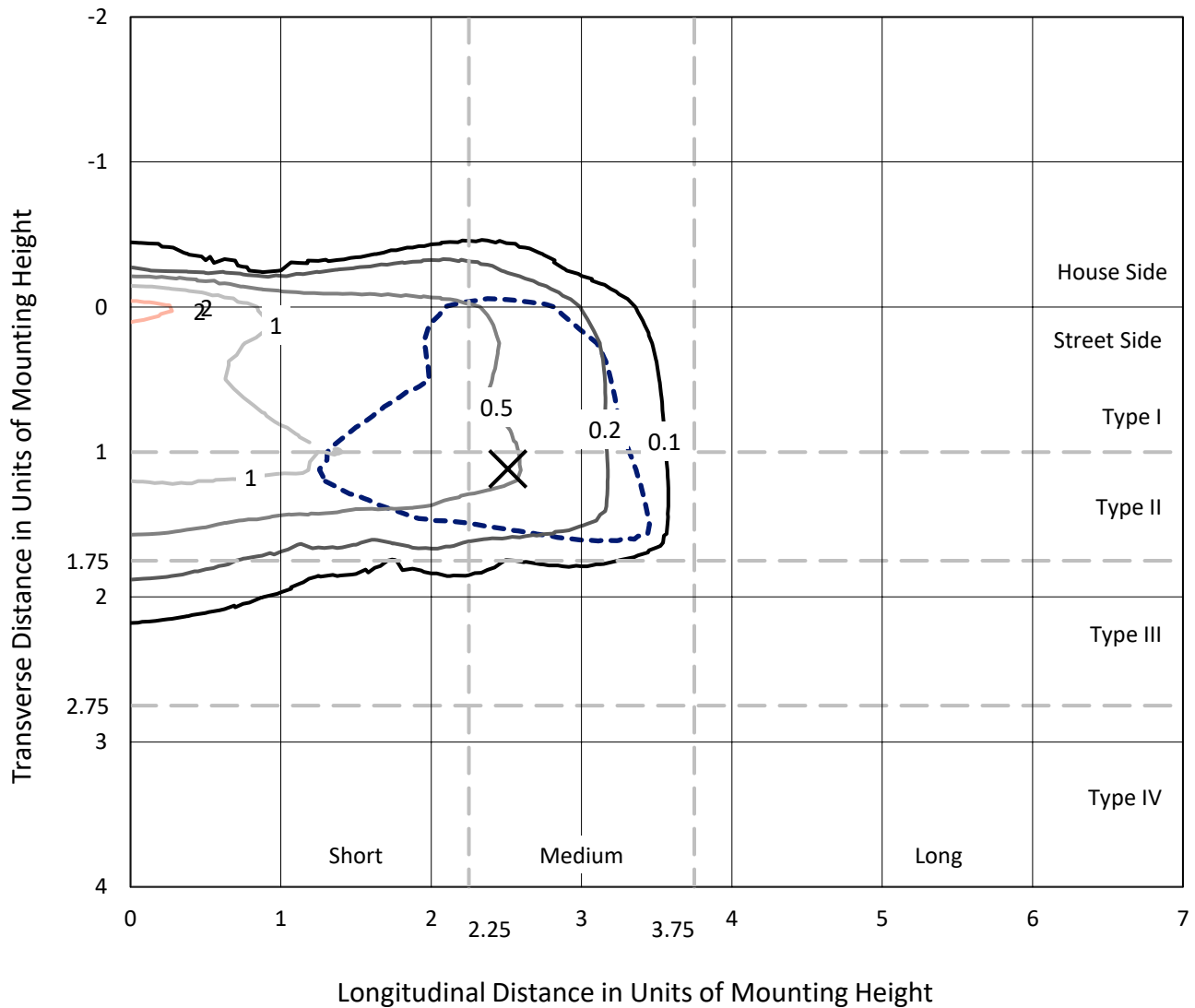
Input Watts (W): 20.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P534563
 CATALOG NUMBER: GALN-SA1A-AMB-U-SL2-HSS

Iso-Footcandle Lines of Horizontal Illumination

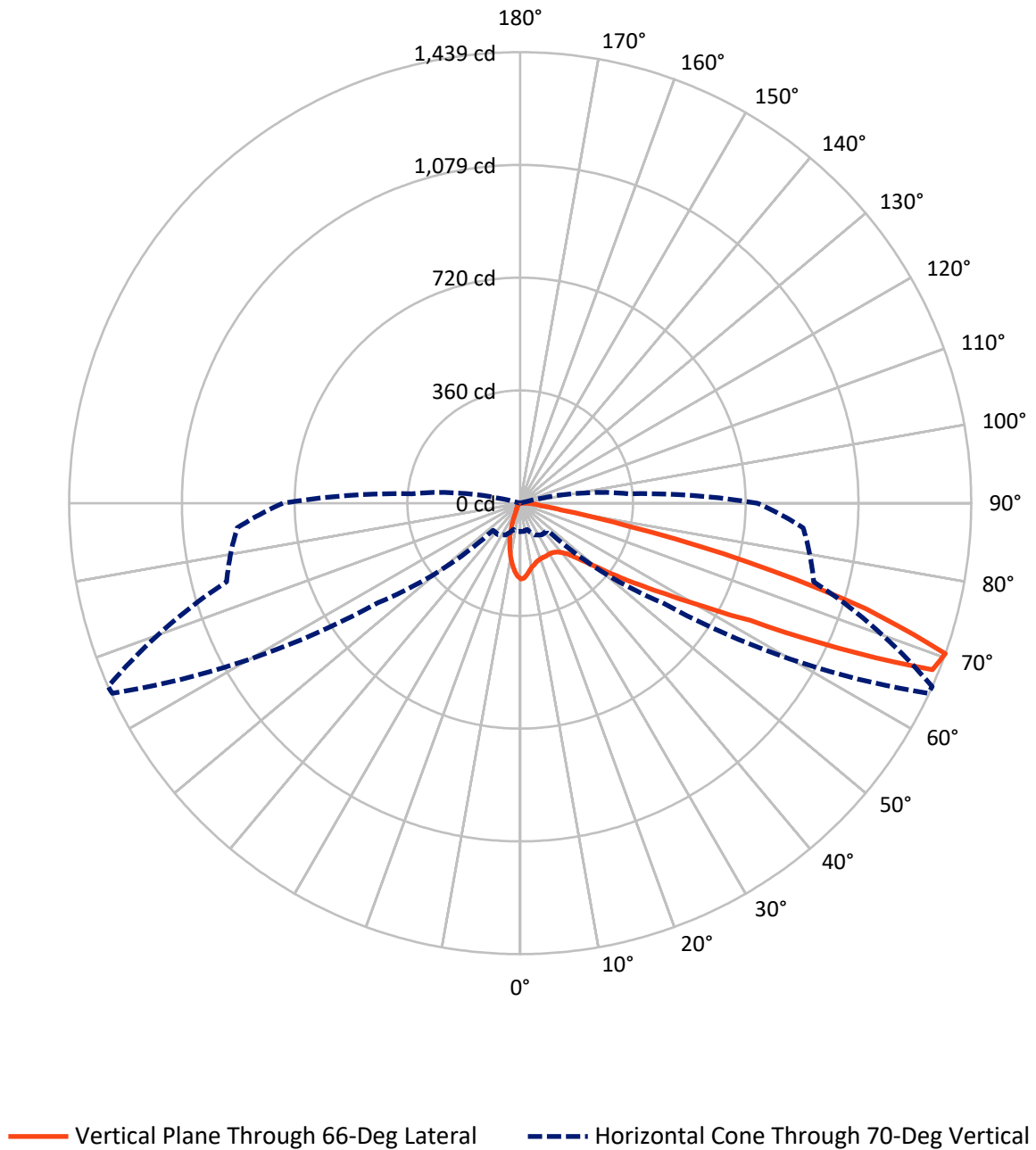
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.4 fc
 Type II - Medium - N/A

REPORT NUMBER: P534563
CATALOG NUMBER: GALN-SA1A-AMB-U-SL2-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P534563

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

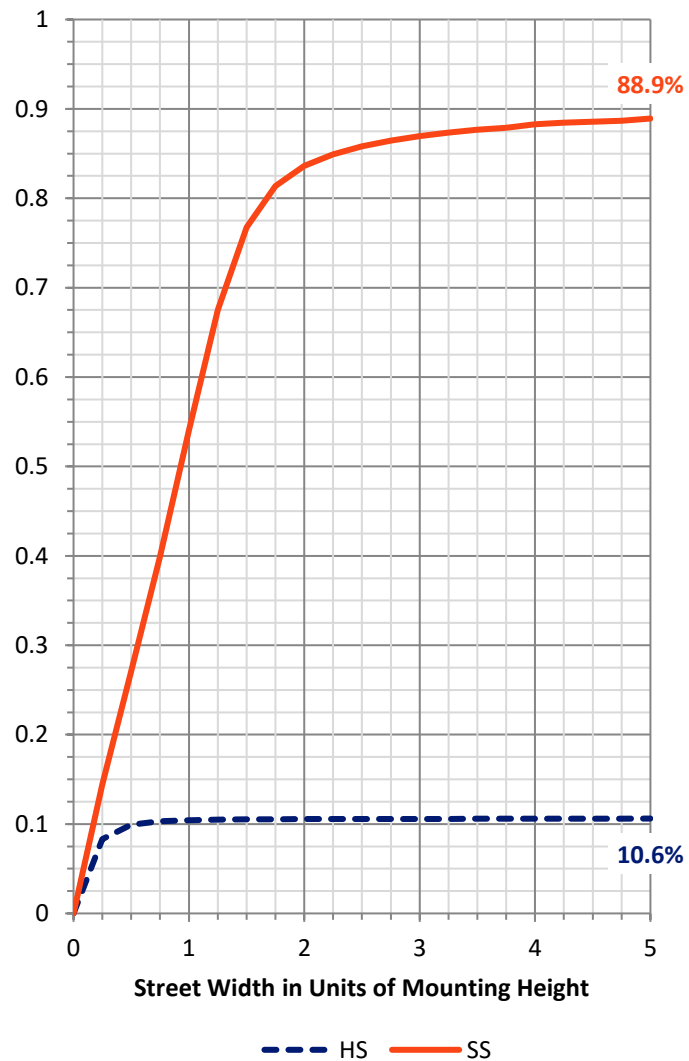
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	104.6	0.0	104.6
	% Fixture	10.7	0.0	10.7
Street Side	Lumens	871.4	0.0	871.4
	% Fixture	89.3	0.0	89.3
Total	Lumens	976.0	0.0	976.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.5	1.9
10°-20°	37.9	3.9
20°-30°	54.1	5.5
30°-40°	78.9	8.1
40°-50°	128.2	13.1
50°-60°	221.2	22.7
60°-70°	281.8	28.9
70°-80°	141.0	14.4
80°-90°	14.5	1.5
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°	976.0	100.0
0°-180°	976.0	100.0

Coefficient of Utilization



REPORT NUMBER: P534563

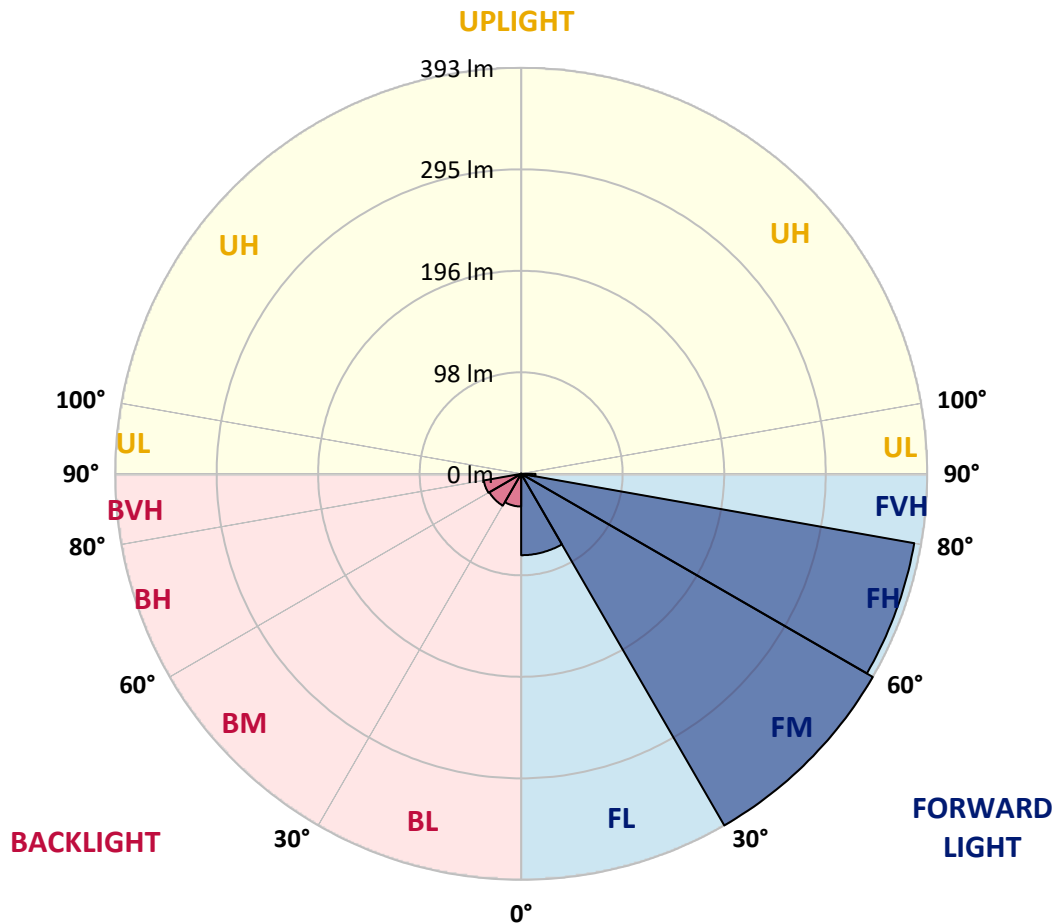
CATALOG NUMBER: GALN-SA1A-AMB-U-SL2-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	78.7	8.1			
FM	(30°-60°)	392.7	40.2			
FH	(60°-80°)	386.1	39.6			G0/660
FVH	(80°-90°)	13.8	1.4			G1/100
BL	(0°-30°)	31.6	3.2	B0/110		
BM	(30°-60°)	35.5	3.6	B0/220		
BH	(60°-80°)	36.7	3.8	B0/110		G0/110
BVH	(80°-90°)	0.7	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 II Medium



REPORT NUMBER: P534563

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

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	242.1	242.1	242.1	242.1	242.1	242.1	242.1	242.1	242.1	242.1	242.1
2.5°	226.2	228.3	226.2	228.8	229.4	232.0	236.2	238.9	239.4	241.5	242.1
5°	208.7	208.7	209.8	211.9	214.5	217.7	221.4	225.1	229.4	234.6	239.4
7.5°	194.9	192.8	193.3	194.9	199.7	203.9	209.2	215.6	216.6	226.2	235.2
10°	180.1	179.6	180.6	184.3	187.5	191.2	197.6	205.5	206.6	217.2	233.1
12.5°	169.0	168.4	170.0	171.1	176.4	181.7	189.1	198.6	201.3	211.9	232.0
15°	160.5	160.5	161.6	164.2	168.4	174.8	182.2	193.3	194.4	208.2	234.1
17.5°	158.4	156.8	156.8	158.4	162.1	168.4	176.4	190.2	191.2	208.2	236.8
20°	158.9	157.8	156.8	155.7	158.9	166.3	173.7	187.0	188.6	208.2	241.5
22.5°	162.1	161.6	160.0	158.4	158.9	163.7	172.7	185.4	188.0	207.6	245.2
25°	170.6	169.5	167.9	163.7	161.0	163.7	172.7	185.4	188.0	207.1	248.4
27.5°	180.1	178.5	178.5	174.8	167.4	165.8	173.2	185.9	187.0	207.1	252.1
30°	195.5	193.9	192.3	188.0	179.6	172.1	176.4	187.0	187.0	207.6	253.2
32.5°	212.9	212.9	210.8	207.1	194.4	180.1	179.6	187.5	188.0	205.5	253.2
35°	233.6	233.6	235.2	230.9	214.5	192.8	187.0	191.2	192.3	207.6	251.1
37.5°	251.1	251.1	254.8	258.0	239.4	210.3	197.6	198.1	197.6	211.3	252.7
40°	271.2	271.7	277.6	283.9	272.3	233.1	213.5	208.2	207.6	216.1	258.0
42.5°	293.4	294.5	304.6	314.1	304.6	263.8	235.7	222.5	220.9	229.4	268.5
45°	312.5	316.2	331.6	346.4	344.8	301.9	264.3	246.8	245.8	250.0	285.5
47.5°	348.0	349.1	365.0	385.1	389.3	350.1	300.9	281.3	279.1	279.1	313.0
50°	385.1	388.8	402.0	431.7	452.4	405.2	347.5	326.3	324.7	318.9	352.8
52.5°	403.6	406.3	423.7	455.5	514.9	488.9	404.1	389.3	385.1	377.7	402.0
55°	387.7	389.3	403.6	450.2	540.3	607.5	490.0	457.1	457.6	442.3	477.2
57.5°	322.6	324.2	336.3	387.7	523.3	687.0	616.6	554.6	545.6	510.6	544.5
60°	241.0	239.4	236.2	273.8	420.6	699.7	820.5	674.8	664.8	573.1	619.7
62.5°	180.6	178.5	174.3	182.7	249.5	616.0	951.3	842.7	824.2	646.2	707.1
65°	140.4	137.7	138.2	142.5	155.7	397.8	994.2	1162.1	1113.9	760.6	816.2
67.5°	111.2	110.2	108.1	127.1	125.5	193.3	877.7	1422.7	1419.0	915.8	956.1
70°	90.0	90.6	87.4	112.3	122.4	122.4	553.5	1436.0	1439.2	969.9	906.3
72.5°	65.2	64.6	66.2	92.2	121.3	116.5	242.6	1147.3	1154.7	853.3	707.1
75°	35.5	37.1	43.4	66.7	120.8	113.9	119.2	742.1	750.0	522.3	344.3
77.5°	18.0	18.5	23.3	40.8	97.5	110.7	103.8	353.3	348.0	200.8	91.1
80°	8.5	8.5	11.1	24.4	63.6	112.3	95.3	139.3	134.0	40.8	21.2
82.5°	3.2	3.2	5.3	14.3	35.5	94.3	85.3	73.6	68.3	12.7	13.2
85°	0.5	0.5	2.6	7.9	15.9	45.6	70.4	58.3	51.9	5.8	7.4
87.5°	0.0	0.0	1.1	2.1	4.8	21.7	35.5	35.0	30.2	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

REPORT NUMBER: P534563

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

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	242.1	242.1	242.1	242.1	242.1	242.1	242.1	242.1	242.1	242.1	242.1
2.5°	239.9	238.4	234.6	232.5	227.2	223.0	219.3	213.5	209.8	211.3	212.4
5°	238.4	235.2	227.8	216.6	205.5	192.8	182.7	171.1	167.9	164.7	167.4
7.5°	235.2	229.9	215.6	197.0	175.9	158.4	140.4	126.1	116.5	109.6	108.6
10°	232.5	225.1	201.3	175.9	145.1	118.1	91.1	72.0	58.3	53.0	50.8
12.5°	229.9	220.9	188.6	151.5	112.3	74.2	46.1	31.8	26.5	26.0	25.4
15°	231.5	218.2	175.9	128.2	78.9	40.3	25.4	22.8	22.8	22.8	22.2
17.5°	233.6	214.0	164.2	105.4	46.1	23.8	21.7	20.7	20.1	20.1	20.1
20°	235.2	209.8	149.9	78.9	26.5	20.7	19.6	18.5	17.5	17.5	17.5
22.5°	233.6	207.1	133.5	53.0	20.7	18.0	16.9	15.9	15.4	14.8	14.3
25°	234.6	202.3	117.6	32.8	18.5	16.4	14.8	13.2	12.2	11.7	11.7
27.5°	233.1	197.6	100.1	22.2	16.4	14.3	12.2	11.1	9.5	9.0	9.0
30°	230.9	192.8	82.1	18.0	14.8	12.7	10.6	9.0	7.9	7.4	7.4
32.5°	228.8	184.9	63.6	16.4	13.8	11.1	9.0	7.4	6.9	6.4	6.4
35°	223.5	176.4	46.1	15.4	12.2	9.5	7.4	6.4	5.8	5.3	5.3
37.5°	221.4	170.6	31.8	13.8	11.1	8.5	6.4	5.3	4.8	4.8	4.8
40°	222.5	161.6	22.2	12.7	9.5	7.4	5.8	4.8	4.2	3.7	3.7
42.5°	225.6	158.9	18.0	12.2	8.5	6.4	4.8	3.7	3.2	3.2	3.2
45°	236.2	159.4	16.4	11.1	7.4	5.3	4.2	3.2	2.6	2.6	2.6
47.5°	255.3	163.7	15.4	10.1	6.4	4.8	3.7	2.6	2.1	2.1	2.1
50°	282.9	174.3	14.8	9.0	5.8	4.2	3.2	2.1	1.6	1.6	1.6
52.5°	326.3	192.8	13.8	7.9	4.8	3.7	2.1	1.6	1.6	1.1	1.1
55°	384.6	219.3	12.7	6.9	4.2	2.6	2.1	1.6	1.1	1.1	1.1
57.5°	448.6	250.5	11.1	5.8	3.7	2.6	1.6	1.1	1.1	0.5	0.5
60°	523.9	297.7	9.5	4.8	3.2	2.1	1.6	1.1	0.5	0.5	0.5
62.5°	617.6	356.5	7.9	4.2	2.6	1.6	1.1	0.5	0.5	0.5	0.5
65°	749.5	425.3	6.4	3.2	2.1	1.1	1.1	0.5	0.5	0.0	0.0
67.5°	838.0	433.8	5.8	3.2	1.6	1.1	1.1	0.5	0.0	0.0	0.0
70°	757.4	346.9	4.8	2.6	1.6	1.1	1.1	0.5	0.0	0.0	0.0
72.5°	539.2	199.7	4.2	2.1	1.6	1.1	1.1	0.5	0.5	0.0	0.0
75°	237.8	56.1	4.2	2.1	1.6	1.6	1.6	1.1	0.5	0.0	0.0
77.5°	57.2	17.5	3.7	2.1	2.1	2.1	2.1	1.1	0.5	0.0	0.0
80°	14.3	6.4	3.2	2.1	2.1	2.1	2.1	1.1	0.5	0.5	0.5
82.5°	10.6	4.8	3.2	2.6	2.1	1.6	1.6	1.1	0.5	0.5	0.5
85°	6.4	2.1	1.1	1.1	1.1	1.1	1.1	0.5	0.5	0.5	0.5
87.5°	3.7	1.1	1.1	0.5	0.5	0.5	0.0	0.0	0.0	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)