

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: P534566

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

Issue Date: 6/10/2021

Test Information

Test Method: LM-79-08
Report Number: P534566
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-067-6)
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-SL3
Description: GALLEON AREA AND ROADWAY 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: 1194 lumens
Efficiency: N/A
Efficacy: 58.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - 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



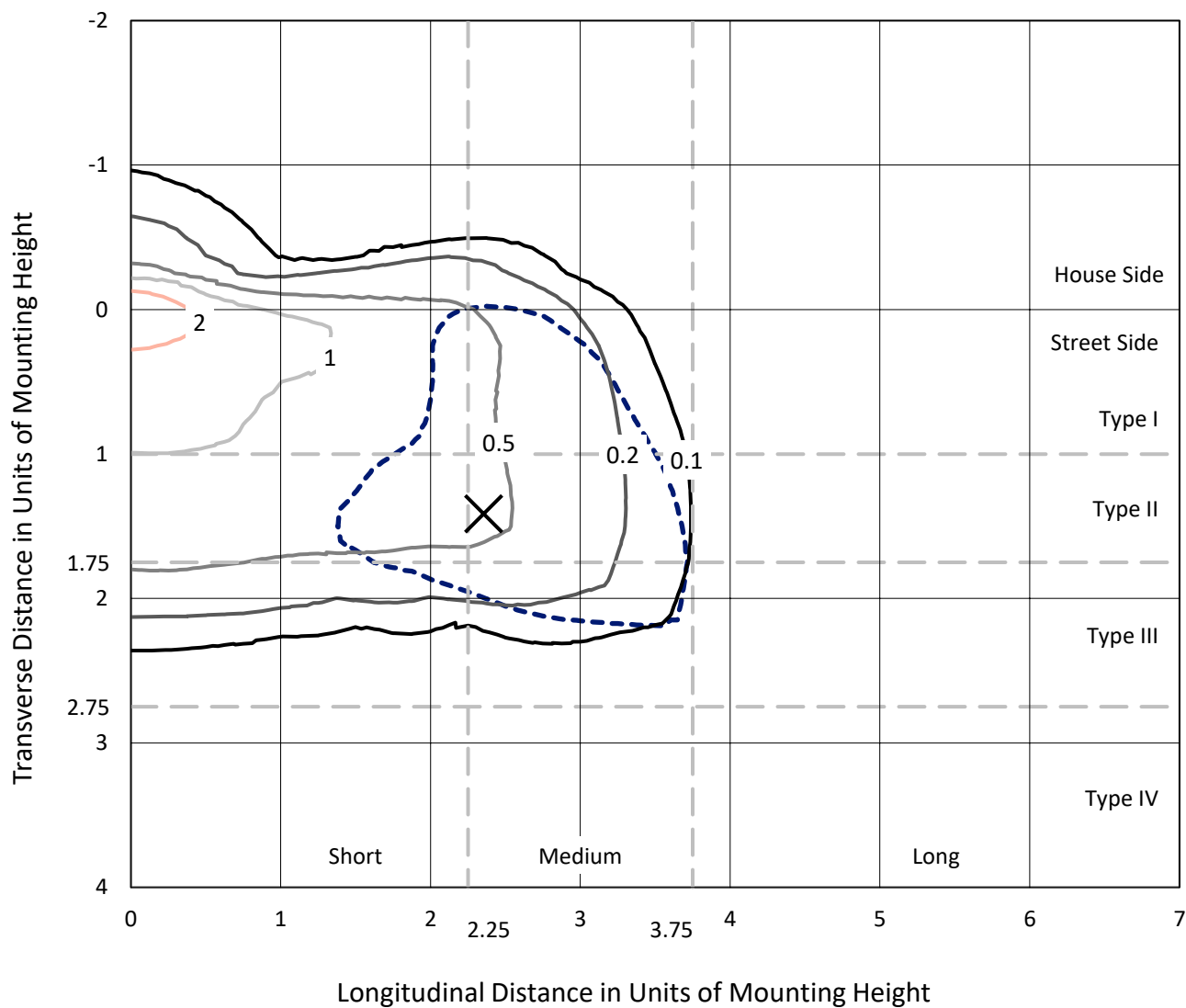
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

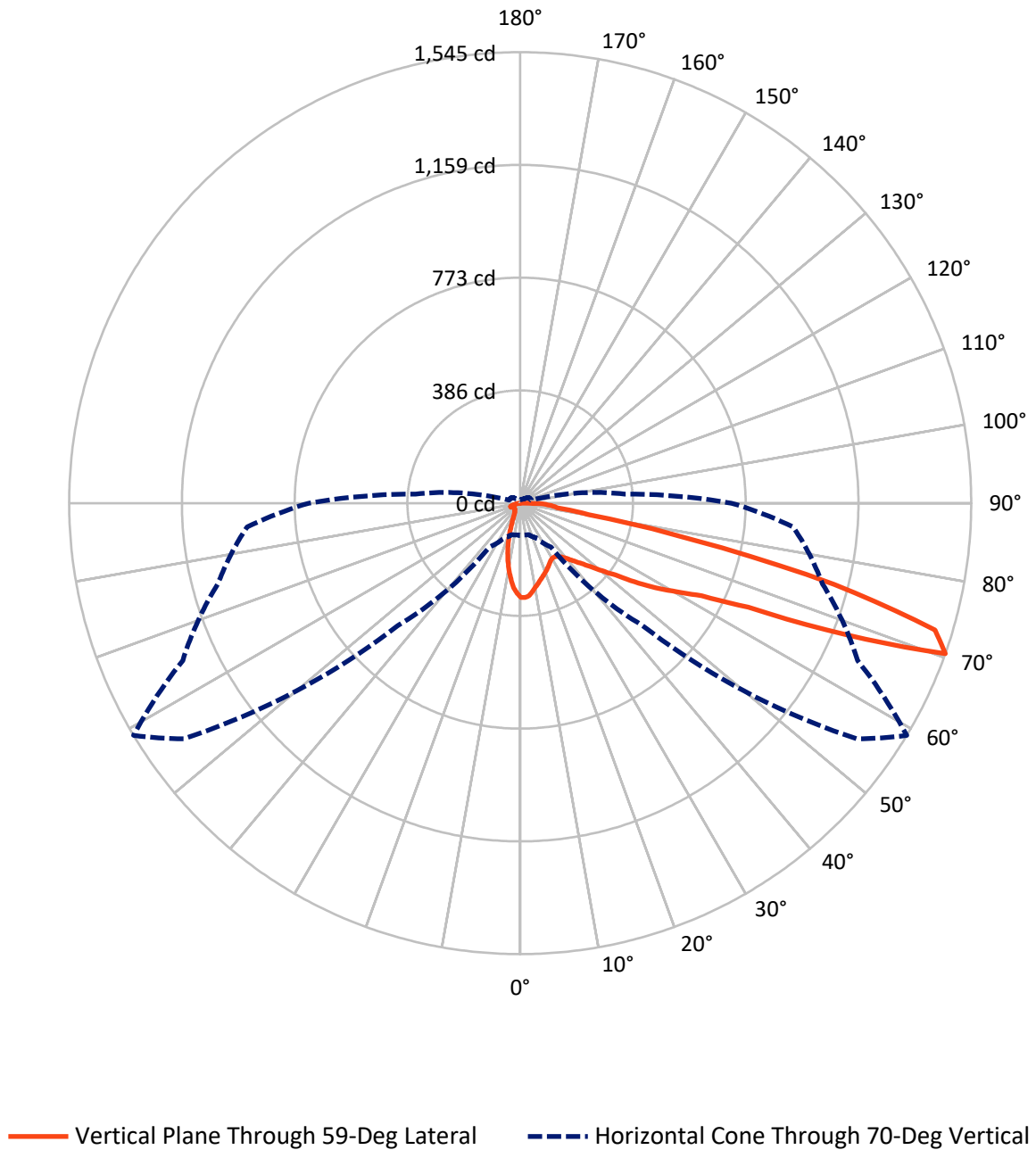
--- 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.2 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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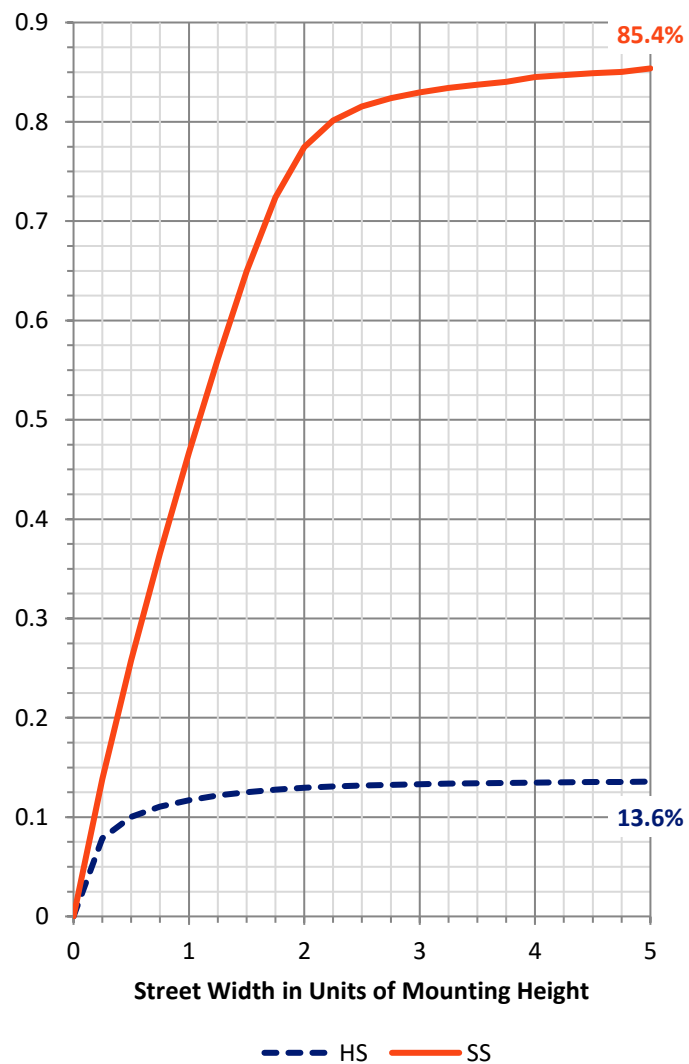
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	163.6	0.0	163.6
	% Fixture	13.7	0.0	13.7
Street Side	Lumens	1030.4	0.0	1030.4
	% Fixture	86.3	0.0	86.3
Total	Lumens	1194.0	0.0	1194.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.5	2.2
10°-20°	55.5	4.6
20°-30°	70.1	5.9
30°-40°	91.7	7.7
40°-50°	136.3	11.4
50°-60°	223.3	18.7
60°-70°	347.4	29.1
70°-80°	215.2	18.0
80°-90°	28.0	2.3
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°	1194.0	100.0
0°-180°	1194.0	100.0

Coefficient of Utilization



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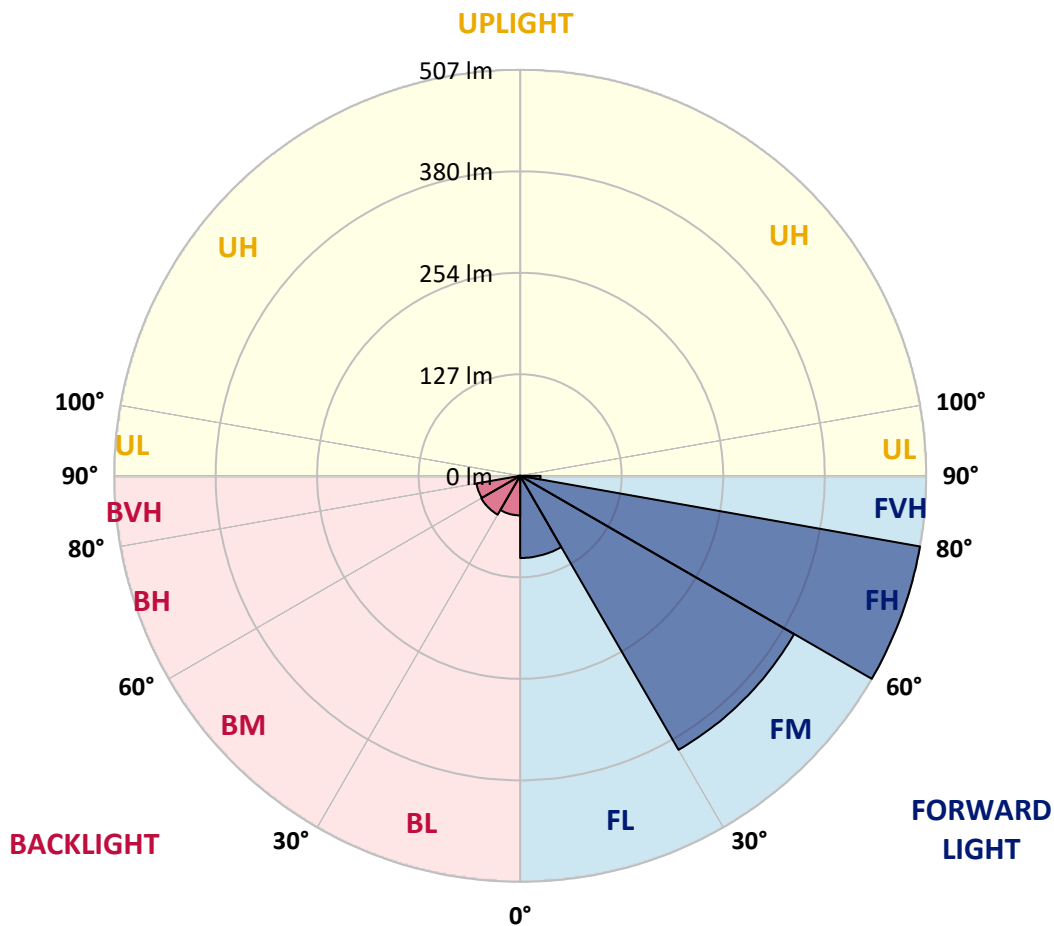
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	102.7	8.6			
FM	(30°-60°)	395.2	33.1			
FH	(60°-80°)	507.1	42.5			G0/660
FVH	(80°-90°)	25.4	2.1			G1/100
BL	(0°-30°)	49.4	4.1	B0/110		
BM	(30°-60°)	56.1	4.7	B0/220		
BH	(60°-80°)	55.4	4.6	B0/110		G0/110
BVH	(80°-90°)	2.7	0.2			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°	59°	65°	75°	85°
0°	323.5	323.5	323.5	323.5	323.5	323.5	323.5	323.5	323.5	323.5	323.5
2.5°	324.5	324.5	324.5	321.9	326.7	325.1	325.6	324.0	325.1	323.5	321.9
5°	308.7	308.7	307.6	308.1	312.4	315.5	317.7	318.7	316.6	317.7	314.5
7.5°	282.2	284.3	284.8	287.5	292.8	298.6	302.3	305.0	306.0	306.5	302.8
10°	257.3	257.8	261.5	264.7	273.7	280.6	289.1	291.2	294.4	298.6	294.9
12.5°	239.3	241.9	243.0	247.2	256.8	264.7	274.8	280.1	284.8	292.8	291.2
15°	222.9	222.4	224.5	231.4	241.4	253.1	264.7	269.0	276.4	287.0	284.8
17.5°	210.2	210.2	212.8	218.7	226.6	238.8	254.7	259.4	269.5	283.2	279.0
20°	203.8	204.4	205.4	207.0	213.4	227.7	242.5	250.4	261.5	280.1	274.8
22.5°	202.8	202.2	201.7	202.2	205.9	213.9	230.8	240.9	255.7	278.5	269.5
25°	204.4	203.8	203.3	202.8	202.8	208.1	222.9	231.4	248.8	278.0	264.2
27.5°	208.6	209.7	207.0	204.4	201.7	203.8	213.9	222.9	241.9	280.1	261.5
30°	216.0	216.5	215.5	211.8	206.5	203.8	210.2	218.1	236.1	282.2	259.4
32.5°	224.5	224.5	224.5	221.3	214.9	207.5	210.7	218.1	235.6	287.5	257.8
35°	233.5	235.6	235.6	232.4	227.1	214.9	217.1	223.9	239.8	294.4	262.1
37.5°	246.2	246.7	246.2	246.7	240.9	228.2	228.7	234.5	247.2	304.4	268.4
40°	258.4	256.8	260.5	263.7	260.0	245.7	244.1	250.4	260.5	320.8	280.1
42.5°	269.5	270.0	272.7	278.5	281.7	268.4	265.8	270.5	277.4	340.4	299.7
45°	280.1	281.7	291.7	298.1	304.4	291.2	289.6	294.9	302.3	363.7	328.8
47.5°	289.6	290.7	303.4	318.7	329.8	324.0	321.9	325.6	329.3	397.6	365.3
50°	298.6	302.3	318.7	338.3	357.4	363.7	359.5	363.7	363.2	432.0	405.5
52.5°	323.5	327.2	345.2	364.8	387.0	404.5	411.4	408.7	405.0	470.1	451.6
55°	377.5	375.9	385.4	397.6	423.0	445.8	479.7	475.4	459.0	509.8	497.1
57.5°	430.4	438.9	438.9	435.7	461.1	500.3	545.3	546.4	515.1	552.7	551.1
60°	451.6	461.1	482.8	511.4	541.6	562.8	615.7	615.7	572.3	601.4	606.7
62.5°	402.9	416.7	450.5	508.8	616.8	728.5	722.7	698.3	649.1	671.3	694.6
65°	248.8	252.5	294.9	410.3	588.2	875.7	929.2	858.7	766.1	789.4	840.2
67.5°	149.8	151.9	161.5	210.7	373.8	860.3	1248.4	1202.3	981.0	953.0	958.8
70°	110.7	109.1	111.7	131.8	183.2	593.5	1407.8	1545.4	1275.4	1072.6	939.2
72.5°	87.9	88.9	90.0	109.6	136.6	246.7	1226.7	1486.1	1369.1	1010.2	711.6
75°	68.8	69.4	74.6	92.7	130.8	132.9	776.7	1110.2	1018.1	682.4	312.4
77.5°	51.4	52.9	58.2	77.3	125.5	127.6	338.3	608.3	517.3	280.6	83.7
80°	33.9	34.4	39.7	63.5	118.6	128.1	153.0	238.2	159.4	59.8	30.7
82.5°	19.1	20.1	24.9	39.7	97.9	124.4	128.7	127.6	72.5	29.6	16.4
85°	10.6	10.6	14.8	23.3	58.2	120.7	121.8	107.5	50.3	16.4	9.0
87.5°	4.8	4.8	6.9	10.6	27.5	79.9	90.0	76.8	31.8	6.9	3.2
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°	323.5	323.5	323.5	323.5	323.5	323.5	323.5	323.5	323.5	323.5	323.5
2.5°	319.2	317.1	314.5	308.7	308.1	303.9	302.8	298.1	295.4	299.1	296.0
5°	313.4	310.8	300.7	297.0	284.3	276.4	270.5	263.1	257.8	257.8	258.4
7.5°	302.3	297.5	283.8	270.5	254.7	241.4	228.2	213.4	206.5	205.4	200.7
10°	292.2	284.8	265.8	245.1	223.4	200.1	180.0	160.4	145.1	133.9	134.5
12.5°	283.8	274.8	248.8	220.8	188.5	158.8	128.7	105.4	90.0	86.3	86.3
15°	277.4	262.6	229.8	193.2	155.1	116.5	87.4	70.9	63.5	59.8	59.8
17.5°	267.4	248.8	210.7	166.8	118.6	82.1	64.6	57.2	54.0	52.9	52.4
20°	257.3	236.1	185.8	133.9	85.8	59.8	52.4	49.2	48.2	48.2	48.7
22.5°	248.3	220.2	162.0	100.6	61.4	49.2	45.0	43.9	44.5	45.5	45.0
25°	239.8	207.0	138.7	73.6	47.6	41.3	40.2	40.2	41.3	42.4	42.9
27.5°	231.9	196.9	113.3	54.5	40.2	36.5	36.5	37.6	39.2	39.7	40.2
30°	226.1	185.3	89.5	43.4	34.9	33.9	33.9	34.9	35.5	36.5	36.5
32.5°	221.3	175.8	68.3	37.1	32.3	31.8	31.8	32.3	32.8	33.4	33.9
35°	219.7	165.7	53.5	32.8	30.7	30.2	30.2	30.2	30.7	31.2	31.2
37.5°	221.3	158.3	43.4	30.7	29.1	28.6	28.6	28.6	28.6	28.6	28.6
40°	228.7	153.0	37.6	29.6	28.1	27.5	27.0	27.0	27.0	27.5	27.5
42.5°	244.1	148.2	34.9	28.6	27.5	26.5	25.9	25.4	25.4	26.5	26.5
45°	264.7	148.8	33.4	28.1	27.0	25.4	24.4	24.4	24.9	25.9	26.5
47.5°	290.7	154.1	32.3	27.5	25.9	24.4	23.8	23.8	24.4	25.9	25.9
50°	322.4	164.1	32.3	27.5	25.9	23.8	23.3	23.3	23.8	25.4	25.9
52.5°	358.4	181.6	32.8	27.5	25.9	23.8	22.8	22.8	23.3	24.9	24.9
55°	405.5	205.9	33.9	28.1	25.4	23.8	22.8	21.7	22.2	23.3	23.3
57.5°	446.8	241.9	35.5	28.1	25.4	23.8	22.2	20.6	20.6	21.7	21.7
60°	512.5	291.7	41.8	29.6	25.4	22.8	20.6	19.1	19.1	19.6	19.6
62.5°	599.8	376.4	48.2	32.3	27.0	22.2	19.6	18.0	17.5	17.5	17.5
65°	746.5	469.6	49.2	35.5	29.6	22.2	18.0	16.4	15.9	15.9	15.9
67.5°	803.7	471.2	45.0	37.1	32.8	22.2	17.5	15.4	14.3	14.3	14.3
70°	724.3	359.5	39.7	37.1	34.4	21.7	16.9	14.8	13.2	12.7	12.7
72.5°	493.4	191.7	35.5	34.9	30.7	19.1	16.4	13.8	12.2	11.6	11.1
75°	197.5	66.7	30.7	31.8	23.8	15.4	13.8	12.2	11.1	10.1	10.1
77.5°	49.8	32.8	23.3	24.9	16.9	12.2	11.6	11.1	9.5	9.0	9.0
80°	27.5	22.2	17.5	16.9	11.1	8.5	8.5	8.5	7.9	7.4	7.4
82.5°	15.4	13.8	11.6	10.6	7.4	5.8	5.8	5.8	5.8	5.3	4.8
85°	8.5	7.9	6.9	5.3	4.2	3.2	3.2	3.2	3.2	2.6	2.6
87.5°	3.2	3.2	2.6	1.6	1.1	0.5	0.5	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)