

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: P534565

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

Issue Date: 6/10/2021

Test Information

Test Method: LM-79-08
Report Number: P534565
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-067-7)
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-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) NARROW BAND AMBER, 500mA LIGHTSQUARE WITH 16 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 978 lumens
Efficiency: N/A
Efficacy: 47.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G1

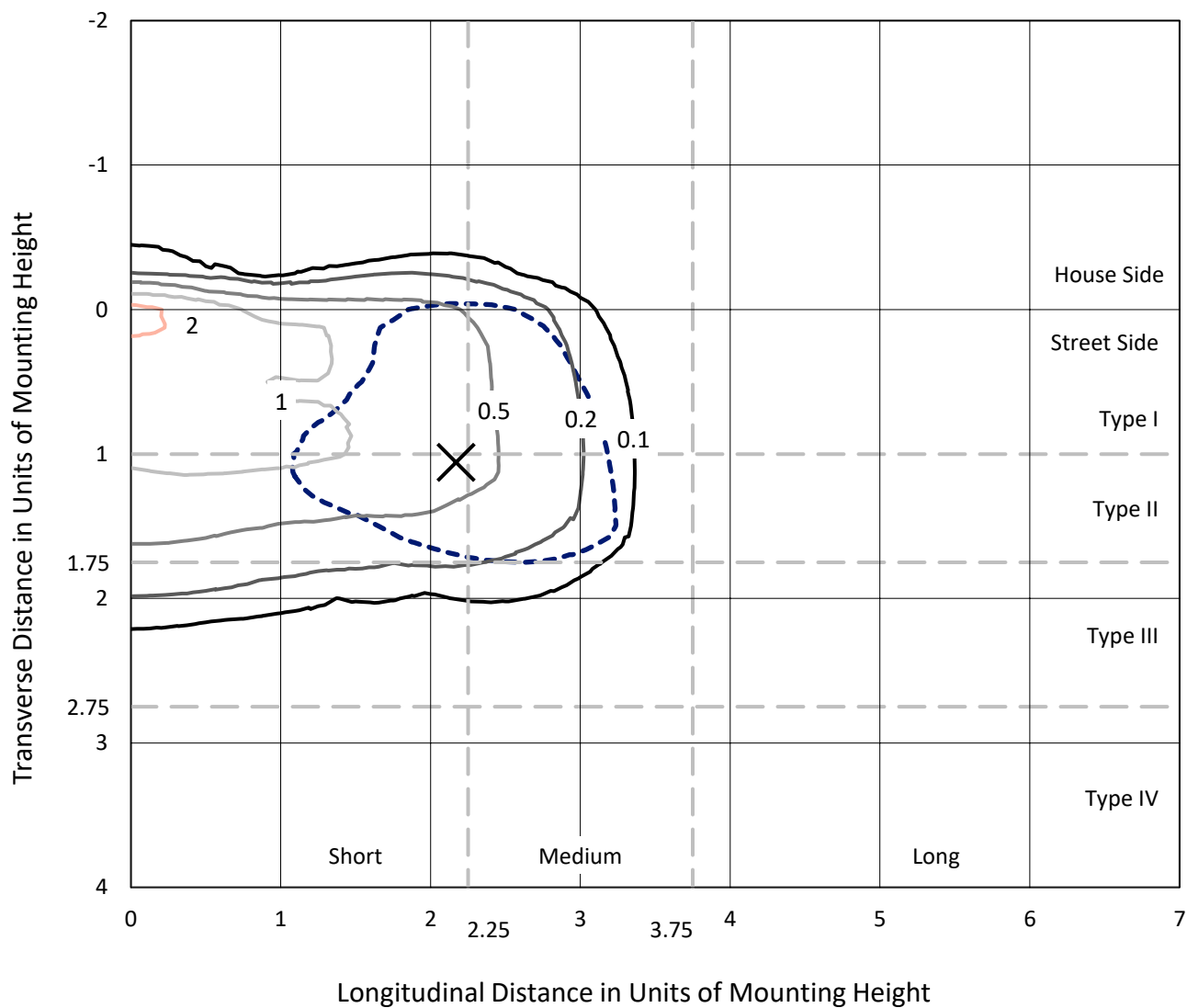
Input Watts (W): 20.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

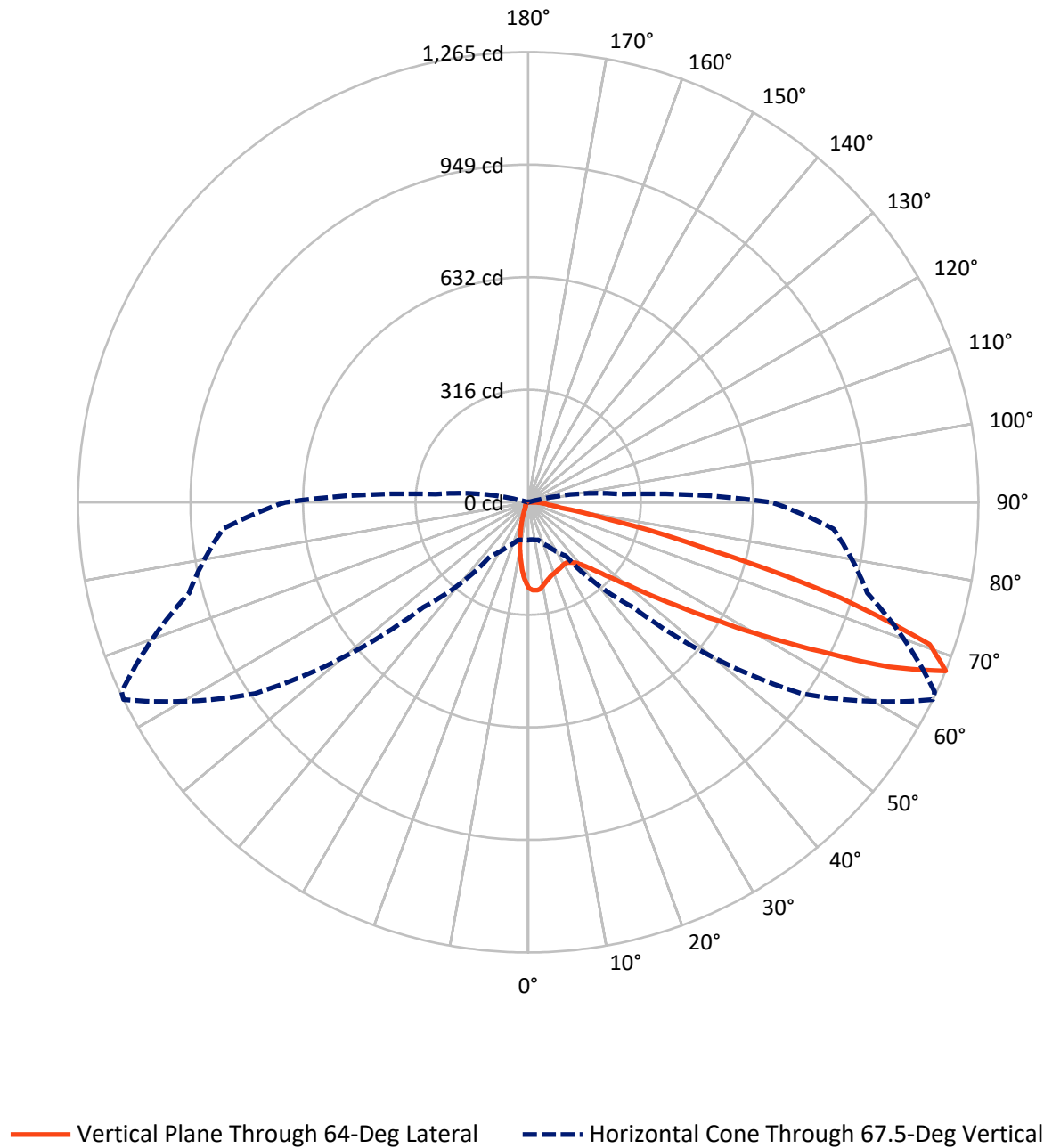
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



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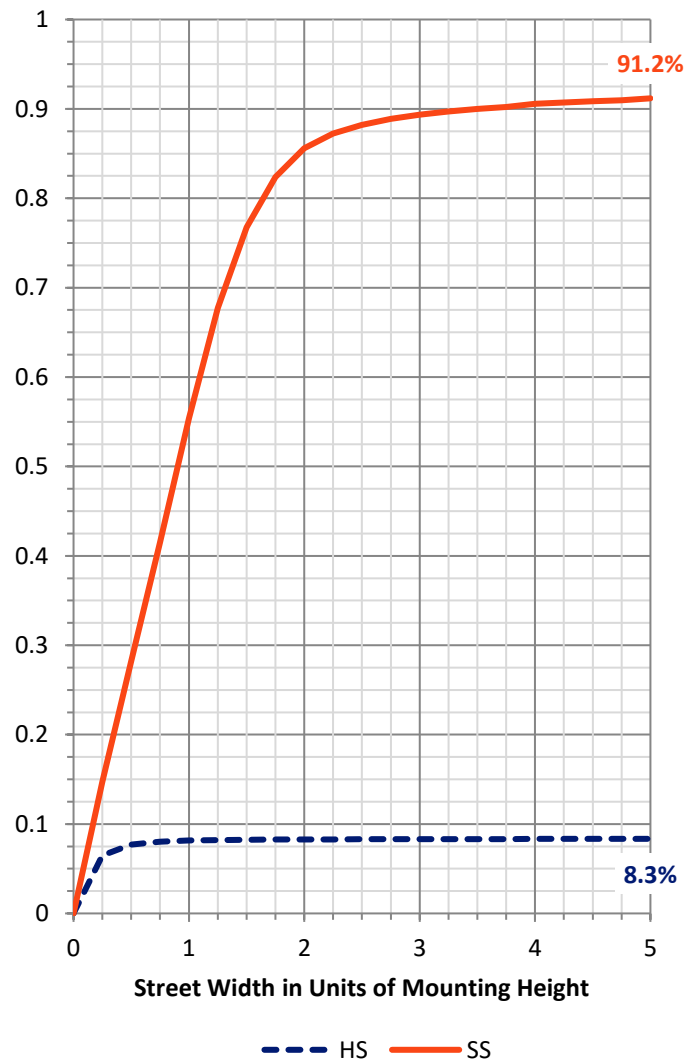
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	82.4	0.0	82.4
	% Fixture	8.4	0.0	8.4
Street Side	Lumens	895.6	0.0	895.6
	% Fixture	91.6	0.0	91.6
Total	Lumens	978.0	0.0	978.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.5	1.9
10°-20°	38.3	3.9
20°-30°	53.8	5.5
30°-40°	78.7	8.0
40°-50°	130.5	13.3
50°-60°	228.6	23.4
60°-70°	294.9	30.2
70°-80°	121.3	12.4
80°-90°	13.3	1.4
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°	978.0	100.0
0°-180°	978.0	100.0

Coefficient of Utilization



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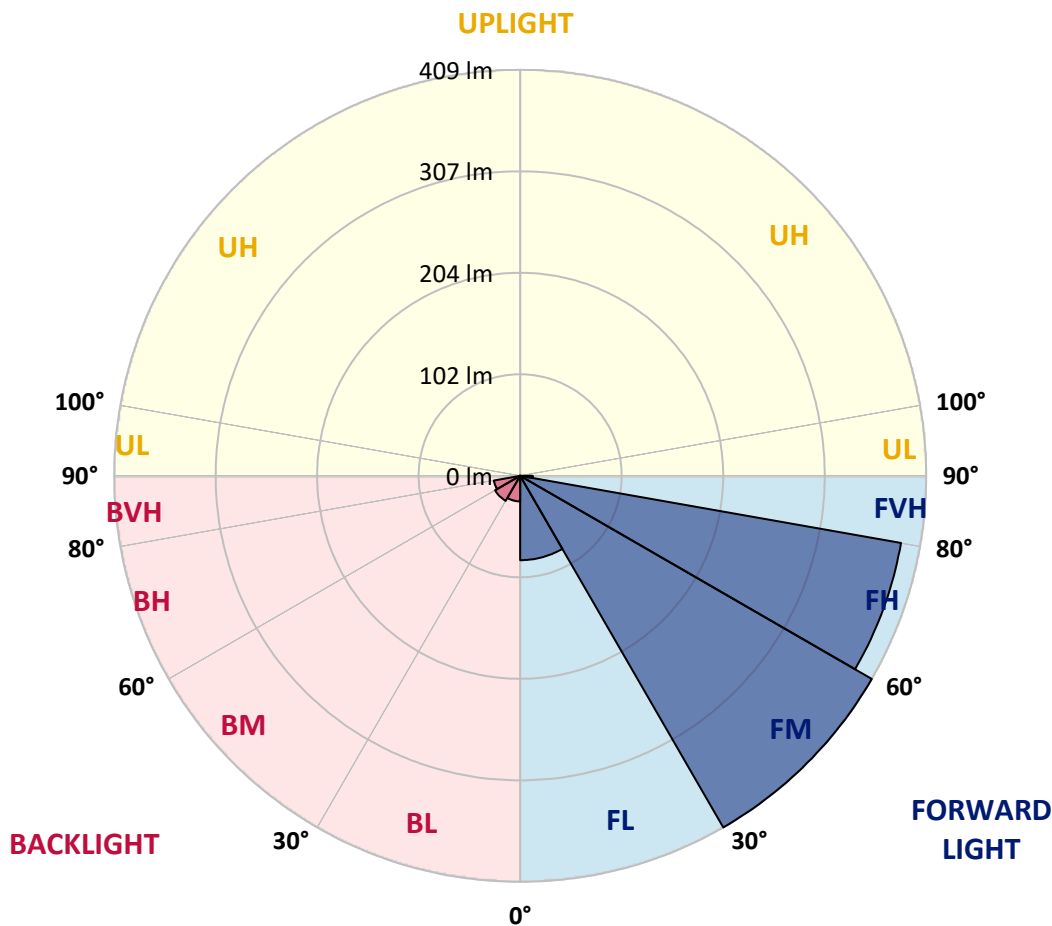
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	84.9	8.7			
FM	(30°-60°)	408.7	41.8			
FH	(60°-80°)	389.3	39.8			G0/660
FVH	(80°-90°)	12.6	1.3			G1/100
BL	(0°-30°)	25.7	2.6	B0/110		
BM	(30°-60°)	29.1	3.0	B0/220		
BH	(60°-80°)	26.9	2.7	B0/110		G0/110
BVH	(80°-90°)	0.6	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 Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	241.0	241.0	241.0	241.0	241.0	241.0	241.0	241.0	241.0	241.0	241.0
2.5°	255.8	258.5	256.9	255.8	255.3	252.7	251.6	247.4	248.4	244.2	241.0
5°	248.4	248.9	250.0	251.1	254.8	253.7	251.6	248.4	247.9	243.1	235.7
7.5°	229.9	230.4	232.0	236.2	237.8	239.4	244.7	245.8	245.8	237.3	227.8
10°	211.9	210.8	212.9	215.1	220.9	227.8	231.5	236.2	236.8	233.1	223.0
12.5°	194.9	193.9	197.0	200.2	207.1	214.0	220.9	228.3	229.9	230.9	218.2
15°	181.7	182.7	184.3	188.0	194.9	203.9	212.9	220.9	221.4	228.3	215.6
17.5°	173.2	173.2	174.8	178.5	185.4	194.4	204.5	215.1	216.6	227.2	214.5
20°	172.7	171.6	171.1	172.7	178.0	184.9	198.6	212.4	213.5	226.2	216.1
22.5°	175.3	173.7	172.7	171.6	173.7	179.6	193.3	208.2	210.8	226.2	216.6
25°	180.1	179.6	178.5	175.9	173.7	176.9	188.0	206.0	208.7	226.7	218.8
27.5°	189.1	188.0	187.0	182.7	178.0	175.9	184.3	202.9	206.0	228.8	221.9
30°	200.7	200.7	200.2	196.0	187.0	179.0	184.9	200.7	203.4	230.9	224.6
32.5°	216.6	216.6	216.1	212.9	201.3	188.0	187.5	201.8	205.0	235.2	227.8
35°	234.1	232.5	233.1	232.0	219.8	200.7	195.5	207.6	208.7	241.5	231.5
37.5°	246.3	249.5	252.7	254.2	243.7	219.3	209.2	215.6	217.2	252.1	237.8
40°	268.5	269.6	273.8	278.6	272.3	243.1	229.4	229.9	231.5	263.3	249.5
42.5°	287.6	287.1	296.6	304.0	300.9	274.4	254.8	252.1	253.2	285.0	267.0
45°	305.6	308.3	322.0	339.0	339.0	311.5	287.6	281.3	280.7	317.3	295.0
47.5°	325.8	331.1	349.6	376.6	388.8	357.0	327.9	319.9	316.2	357.5	337.4
50°	346.9	351.7	371.8	404.7	443.3	424.8	377.7	368.1	371.3	406.3	384.5
52.5°	366.5	368.1	385.1	417.4	475.7	515.9	449.7	436.5	433.8	466.1	442.3
55°	371.8	374.5	389.3	417.9	492.6	584.2	601.2	518.6	513.8	521.2	499.5
57.5°	362.8	366.5	380.8	404.7	494.7	633.0	724.6	626.6	619.2	575.2	569.4
60°	313.6	318.9	331.6	362.8	458.2	660.5	817.3	762.7	747.9	643.0	669.5
62.5°	248.9	245.2	269.6	309.3	381.4	624.5	903.1	923.2	913.7	751.1	795.1
65°	152.5	153.1	160.0	206.0	306.2	513.8	973.0	1115.0	1115.5	907.9	881.4
67.5°	106.5	105.4	109.6	137.2	183.8	417.4	937.0	1264.9	1260.1	986.3	860.7
70°	82.6	81.0	80.5	100.6	129.2	254.2	776.5	1196.0	1190.2	925.9	709.2
72.5°	59.9	58.3	60.9	81.0	112.3	150.4	553.0	916.3	907.9	673.8	431.7
75°	37.6	38.1	43.4	60.9	105.4	107.0	324.7	511.1	513.3	323.6	176.4
77.5°	21.7	21.2	26.5	42.9	87.4	99.1	166.3	238.4	223.5	108.6	51.4
80°	9.5	9.5	13.8	30.2	63.6	98.5	101.7	92.2	90.0	26.0	17.5
82.5°	4.2	4.2	6.4	17.5	42.4	78.9	85.8	58.8	53.0	10.1	10.1
85°	0.5	0.5	2.6	9.0	20.1	40.3	72.6	47.7	41.3	4.8	6.4
87.5°	0.0	0.0	1.1	2.6	5.8	21.2	42.4	28.6	24.9	2.1	2.6
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°	241.0	241.0	241.0	241.0	241.0	241.0	241.0	241.0	241.0	241.0	241.0
2.5°	238.4	235.2	229.4	222.5	214.0	209.8	203.4	197.0	194.9	194.4	193.3
5°	233.1	226.7	213.5	198.6	182.2	166.8	154.1	144.1	136.1	133.5	129.2
7.5°	223.0	216.1	194.4	170.0	145.7	121.8	100.6	86.9	78.9	76.8	75.7
10°	215.6	205.0	174.8	141.4	107.0	82.1	62.0	49.3	42.4	39.2	39.2
12.5°	209.8	197.0	156.3	113.9	76.8	51.4	36.5	27.5	24.9	24.4	23.8
15°	206.0	187.5	138.8	87.4	54.0	32.3	23.8	22.2	21.7	21.2	21.2
17.5°	203.4	179.0	121.3	68.9	36.5	22.8	20.7	20.1	19.6	19.6	19.6
20°	201.8	172.1	103.3	52.4	24.4	19.6	18.5	18.0	17.5	17.5	16.9
22.5°	198.6	165.3	87.9	38.1	19.6	17.5	16.4	15.9	14.8	14.8	14.8
25°	198.1	158.4	73.6	26.5	17.5	15.9	14.3	13.2	12.7	12.2	12.2
27.5°	197.6	151.0	63.0	19.6	15.9	13.8	12.7	11.1	10.1	10.1	9.5
30°	194.4	143.5	52.4	16.9	14.3	12.2	10.6	9.5	8.5	7.9	7.9
32.5°	193.9	135.1	42.4	15.4	12.7	10.6	9.0	7.9	6.9	6.9	6.9
35°	192.3	124.5	32.8	13.8	11.7	9.5	7.9	6.9	5.8	5.8	5.8
37.5°	192.3	117.1	24.4	12.7	10.6	7.9	6.4	5.8	4.8	4.8	4.8
40°	196.0	109.1	18.5	11.7	9.5	7.4	5.8	4.8	4.2	4.2	4.2
42.5°	204.5	104.3	14.8	11.1	8.5	6.4	5.3	4.2	3.7	3.2	3.2
45°	221.9	105.4	13.8	10.1	7.4	5.8	4.2	3.7	3.2	2.6	2.6
47.5°	250.5	110.2	12.7	9.0	6.4	4.8	3.7	2.6	2.1	2.1	2.1
50°	282.3	119.7	12.2	7.9	5.8	4.2	3.2	2.1	2.1	1.6	1.6
52.5°	328.9	135.1	11.1	7.4	5.3	3.7	2.6	2.1	1.6	1.6	1.6
55°	385.6	161.6	10.1	6.9	4.2	3.2	2.1	1.6	1.1	1.1	1.1
57.5°	451.3	191.7	9.0	5.8	3.7	2.6	2.1	1.1	1.1	0.5	0.5
60°	538.2	233.1	7.9	5.3	3.2	2.1	1.6	1.1	0.5	0.5	0.5
62.5°	655.2	273.3	6.9	4.2	2.6	1.6	1.1	1.1	0.5	0.5	0.5
65°	710.3	285.0	5.8	3.7	2.1	1.6	1.1	0.5	0.5	0.0	0.0
67.5°	682.8	260.6	4.8	3.2	2.1	1.6	1.1	0.5	0.0	0.0	0.0
70°	537.6	196.0	4.8	2.6	2.1	1.6	1.1	0.5	0.0	0.0	0.0
72.5°	308.8	118.6	4.2	2.6	1.6	1.6	1.1	0.5	0.5	0.0	0.0
75°	122.4	38.1	3.7	2.1	1.6	1.6	1.6	1.1	0.5	0.0	0.0
77.5°	32.8	14.3	3.2	2.1	2.1	2.1	2.1	1.1	0.5	0.0	0.0
80°	10.6	5.3	3.2	2.1	2.1	2.6	2.1	1.1	0.5	0.0	0.0
82.5°	7.9	3.7	3.2	2.1	2.1	2.1	2.1	1.1	0.5	0.0	0.0
85°	5.3	1.6	1.1	1.1	1.1	1.1	1.1	0.5	0.5	0.5	0.0
87.5°	2.6	1.1	0.5	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0
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)