

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: P534579

Luminaire Tested: **GALN-SA3A-AMB-U-SL2-HSS**

Issue Date: 6/10/2021

Test Information

Test Method: LM-79-08
Report Number: P534579
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-SA3A-AMB-U-SL2-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 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: 2635 lumens
Efficiency: N/A
Efficacy: 44.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B0 - U0 - G1

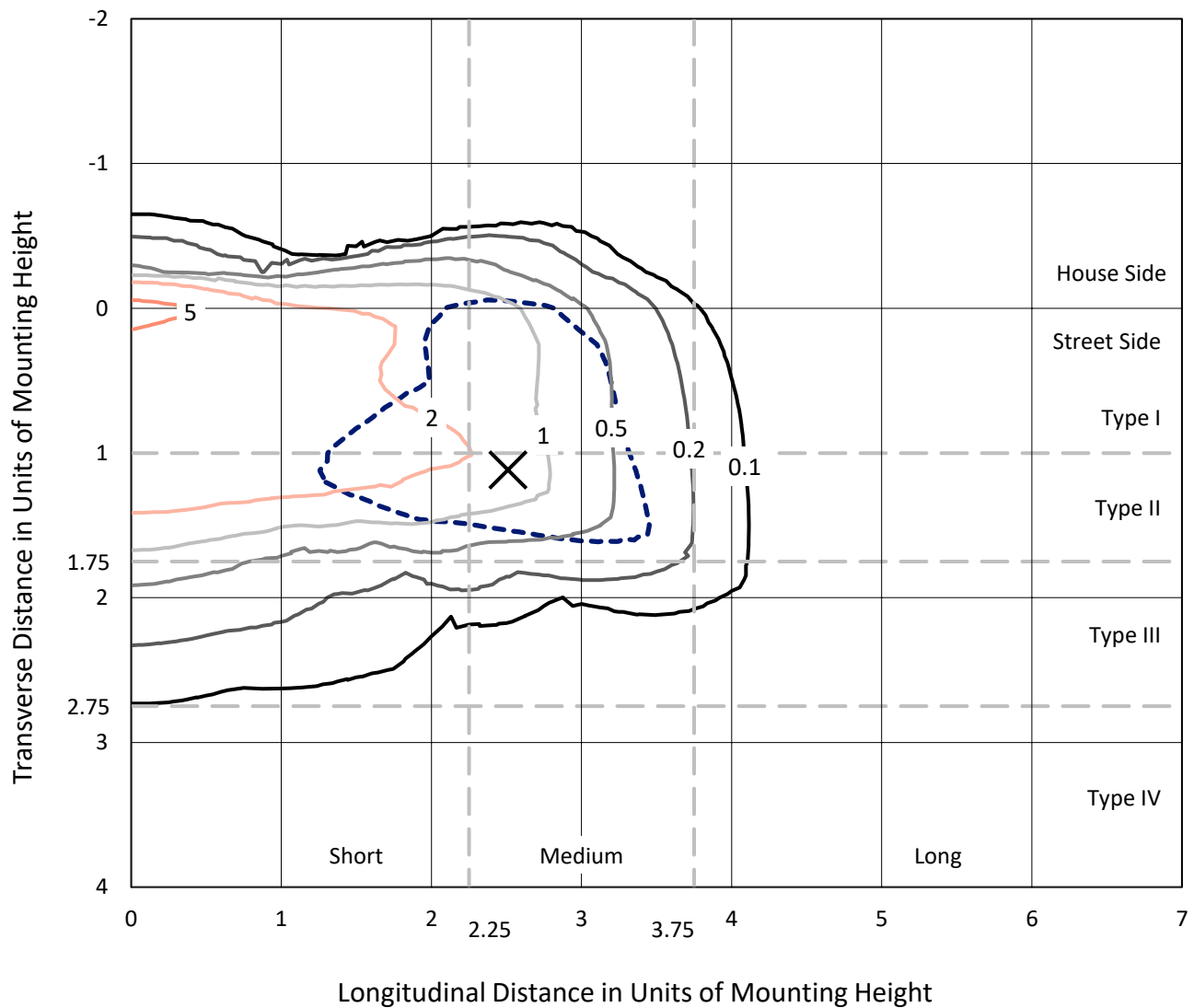
Input Watts (W): 59.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

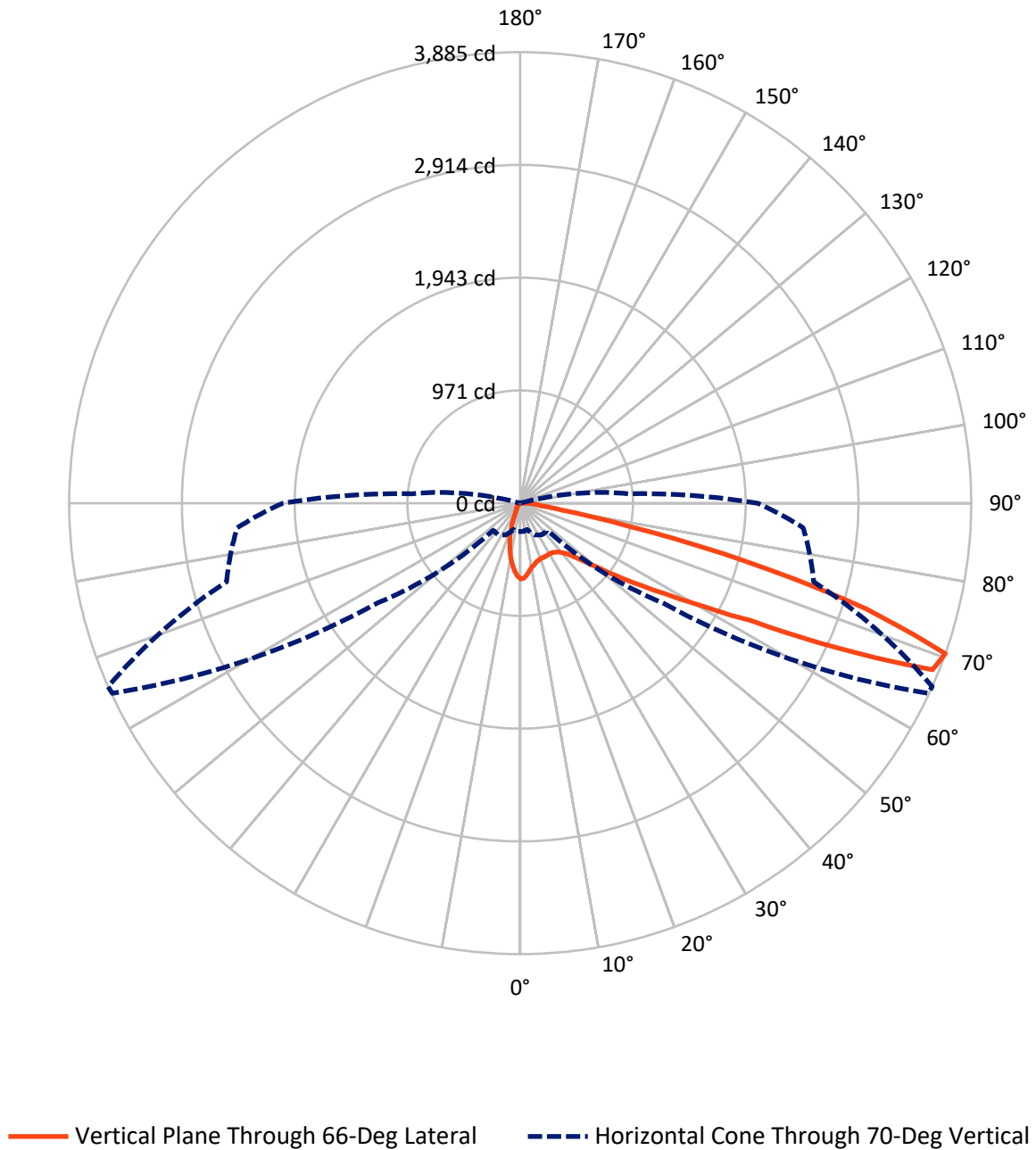
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.5 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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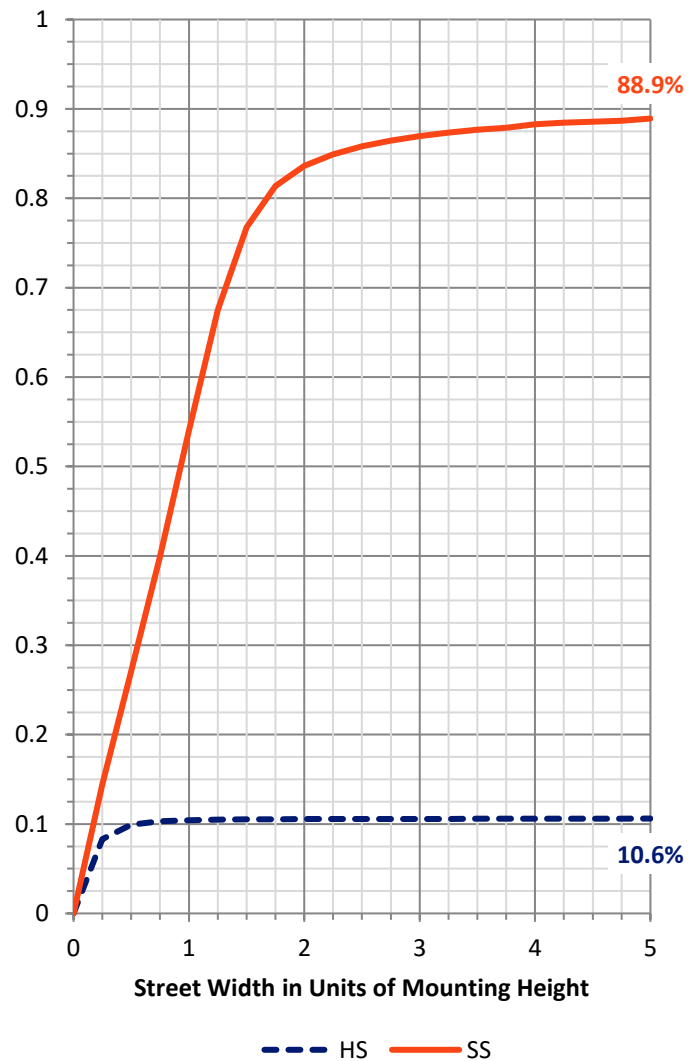
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	282.3	0.0	282.3
	% Fixture	10.7	0.0	10.7
Street Side	Lumens	2352.7	0.0	2352.7
	% Fixture	89.3	0.0	89.3
Total	Lumens	2635.0	0.0	2635.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.8	1.9
10°-20°	102.2	3.9
20°-30°	145.9	5.5
30°-40°	212.9	8.1
40°-50°	346.2	13.1
50°-60°	597.1	22.7
60°-70°	760.8	28.9
70°-80°	380.7	14.4
80°-90°	39.2	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°	2635.0	100.0
0°-180°	2635.0	100.0

Coefficient of Utilization



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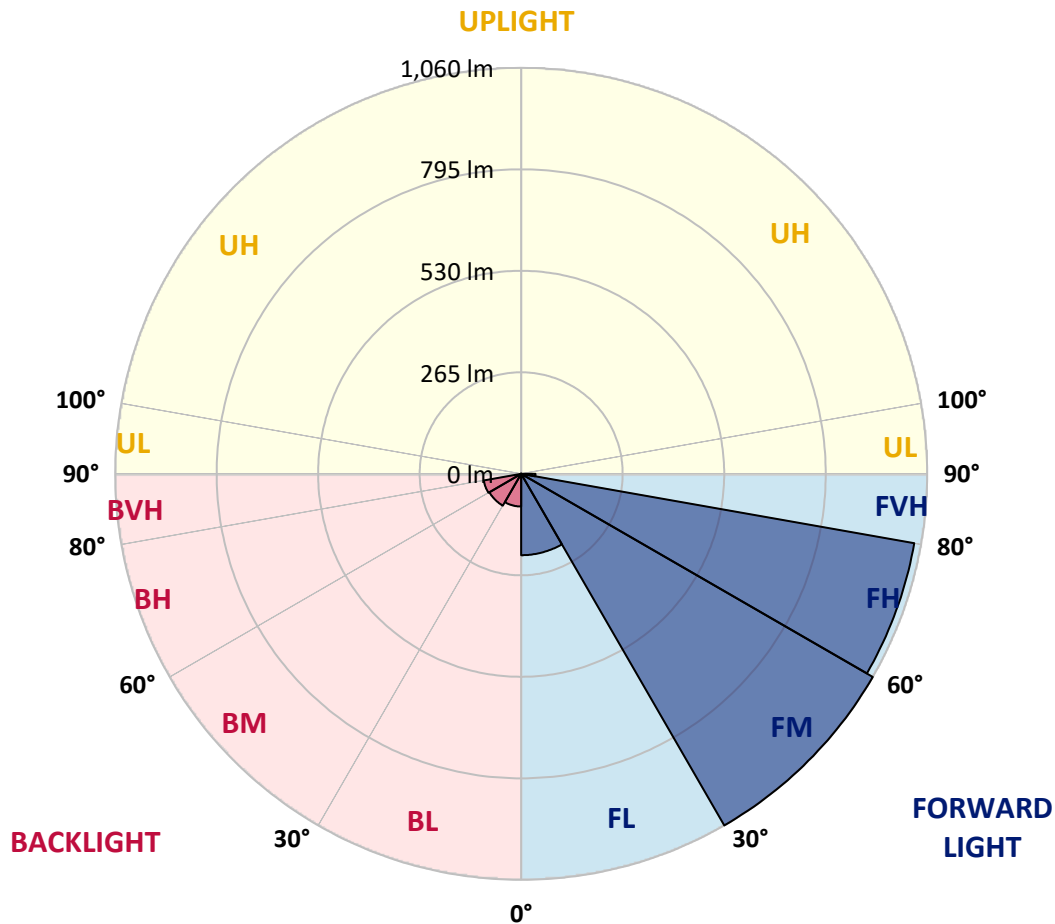
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	212.6	8.1			
FM	(30°-60°)	1060.3	40.2			
FH	(60°-80°)	1042.4	39.6			G1/1800
FVH	(80°-90°)	37.3	1.4			G1/100
BL	(0°-30°)	85.4	3.2	B0/110		
BM	(30°-60°)	95.9	3.6	B0/220		
BH	(60°-80°)	99.2	3.8	B0/110		G0/110
BVH	(80°-90°)	1.9	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



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	653.5	653.5	653.5	653.5	653.5	653.5	653.5	653.5	653.5	653.5	653.5
2.5°	610.6	616.3	610.6	617.8	619.2	626.4	637.8	644.9	646.4	652.1	653.5
5°	563.4	563.4	566.3	572.0	579.2	587.7	597.8	607.8	619.2	633.5	646.4
7.5°	526.3	520.5	522.0	526.3	539.1	550.6	564.9	582.0	584.9	610.6	634.9
10°	486.2	484.8	487.6	497.7	506.2	516.2	533.4	554.9	557.7	586.3	629.2
12.5°	456.2	454.8	459.0	461.9	476.2	490.5	510.5	536.3	543.4	572.0	626.4
15°	433.3	433.3	436.2	443.3	454.8	471.9	491.9	522.0	524.8	562.0	632.1
17.5°	427.6	423.3	423.3	427.6	437.6	454.8	476.2	513.4	516.2	562.0	639.2
20°	429.0	426.2	423.3	420.4	429.0	449.0	469.1	504.8	509.1	562.0	652.1
22.5°	437.6	436.2	431.9	427.6	429.0	441.9	466.2	500.5	507.7	560.6	662.1
25°	460.5	457.6	453.3	441.9	434.7	441.9	466.2	500.5	507.7	559.1	670.7
27.5°	486.2	481.9	481.9	471.9	451.9	447.6	467.6	501.9	504.8	559.1	680.7
30°	527.7	523.4	519.1	507.7	484.8	464.8	476.2	504.8	504.8	560.6	683.6
32.5°	574.9	574.9	569.2	559.1	524.8	486.2	484.8	506.2	507.7	554.9	683.6
35°	630.6	630.6	634.9	623.5	579.2	520.5	504.8	516.2	519.1	560.6	677.8
37.5°	677.8	677.8	687.8	696.4	646.4	567.7	533.4	534.8	533.4	570.6	682.1
40°	732.2	733.6	749.3	766.5	735.0	629.2	576.3	562.0	560.6	583.5	696.4
42.5°	792.2	795.1	822.3	848.0	822.3	712.2	636.4	600.6	596.3	619.2	725.0
45°	843.7	853.7	895.2	935.2	931.0	815.1	713.6	666.4	663.5	675.0	770.8
47.5°	939.5	942.4	985.3	1039.6	1051.1	945.3	812.3	759.4	753.6	753.6	845.2
50°	1039.6	1049.6	1085.4	1165.5	1221.3	1094.0	938.1	880.9	876.6	860.9	952.4
52.5°	1089.7	1096.8	1144.0	1229.8	1390.0	1319.9	1091.1	1051.1	1039.6	1019.6	1085.4
55°	1046.8	1051.1	1089.7	1215.5	1458.6	1640.3	1322.8	1234.1	1235.6	1194.1	1288.5
57.5°	870.9	875.2	908.1	1046.8	1412.9	1854.8	1664.6	1497.2	1472.9	1378.6	1470.1
60°	650.7	646.4	637.8	739.3	1135.5	1889.1	2215.1	1821.9	1794.7	1547.3	1673.1
62.5°	487.6	481.9	470.5	493.4	673.5	1663.1	2568.3	2275.2	2225.1	1744.6	1909.1
65°	379.0	371.8	373.2	384.7	420.4	1074.0	2684.2	3137.5	3007.4	2053.5	2203.7
67.5°	300.3	297.4	291.7	343.2	338.9	522.0	2369.6	3841.1	3831.1	2472.5	2581.2
70°	243.1	244.5	236.0	303.2	330.3	330.3	1494.4	3876.8	3885.4	2618.4	2446.8
72.5°	175.9	174.5	178.8	248.8	327.5	314.6	655.0	3097.5	3117.5	2303.8	1909.1
75°	95.8	100.1	117.3	180.2	326.0	307.5	321.8	2003.5	2024.9	1410.0	929.5
77.5°	48.6	50.1	62.9	110.1	263.1	298.9	280.3	953.8	939.5	542.0	246.0
80°	22.9	22.9	30.0	65.8	171.6	303.2	257.4	376.1	361.8	110.1	57.2
82.5°	8.6	8.6	14.3	38.6	95.8	254.5	230.2	198.8	184.5	34.3	35.8
85°	1.4	1.4	7.2	21.5	42.9	123.0	190.2	157.3	140.1	15.7	20.0
87.5°	0.0	0.0	2.9	5.7	12.9	58.6	95.8	94.4	81.5	7.2	10.0
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°	653.5	653.5	653.5	653.5	653.5	653.5	653.5	653.5	653.5	653.5	653.5
2.5°	647.8	643.5	633.5	627.8	613.5	602.0	592.0	576.3	566.3	570.6	573.4
5°	643.5	634.9	614.9	584.9	554.9	520.5	493.4	461.9	453.3	444.7	451.9
7.5°	634.9	620.6	582.0	532.0	474.8	427.6	379.0	340.3	314.6	296.0	293.2
10°	627.8	607.8	543.4	474.8	391.8	318.9	246.0	194.5	157.3	143.0	137.3
12.5°	620.6	596.3	509.1	409.0	303.2	200.2	124.4	85.8	71.5	70.1	68.6
15°	624.9	589.2	474.8	346.1	213.1	108.7	68.6	61.5	61.5	61.5	60.1
17.5°	630.6	577.7	443.3	284.6	124.4	64.4	58.6	55.8	54.3	54.3	54.3
20°	634.9	566.3	404.7	213.1	71.5	55.8	52.9	50.1	47.2	47.2	47.2
22.5°	630.6	559.1	360.4	143.0	55.8	48.6	45.8	42.9	41.5	40.0	38.6
25°	633.5	546.3	317.5	88.7	50.1	44.3	40.0	35.8	32.9	31.5	31.5
27.5°	629.2	533.4	270.3	60.1	44.3	38.6	32.9	30.0	25.7	24.3	24.3
30°	623.5	520.5	221.7	48.6	40.0	34.3	28.6	24.3	21.5	20.0	20.0
32.5°	617.8	499.1	171.6	44.3	37.2	30.0	24.3	20.0	18.6	17.2	17.2
35°	603.5	476.2	124.4	41.5	32.9	25.7	20.0	17.2	15.7	14.3	14.3
37.5°	597.8	460.5	85.8	37.2	30.0	22.9	17.2	14.3	12.9	12.9	12.9
40°	600.6	436.2	60.1	34.3	25.7	20.0	15.7	12.9	11.4	10.0	10.0
42.5°	609.2	429.0	48.6	32.9	22.9	17.2	12.9	10.0	8.6	8.6	8.6
45°	637.8	430.4	44.3	30.0	20.0	14.3	11.4	8.6	7.2	7.2	7.2
47.5°	689.3	441.9	41.5	27.2	17.2	12.9	10.0	7.2	5.7	5.7	5.7
50°	763.6	470.5	40.0	24.3	15.7	11.4	8.6	5.7	4.3	4.3	4.3
52.5°	880.9	520.5	37.2	21.5	12.9	10.0	5.7	4.3	4.3	2.9	2.9
55°	1038.2	592.0	34.3	18.6	11.4	7.2	5.7	4.3	2.9	2.9	2.9
57.5°	1211.2	676.4	30.0	15.7	10.0	7.2	4.3	2.9	2.9	1.4	1.4
60°	1414.3	803.7	25.7	12.9	8.6	5.7	4.3	2.9	1.4	1.4	1.4
62.5°	1667.4	962.4	21.5	11.4	7.2	4.3	2.9	1.4	1.4	1.4	1.4
65°	2023.5	1148.3	17.2	8.6	5.7	2.9	2.9	1.4	1.4	0.0	0.0
67.5°	2262.3	1171.2	15.7	8.6	4.3	2.9	2.9	1.4	0.0	0.0	0.0
70°	2045.0	936.7	12.9	7.2	4.3	2.9	2.9	1.4	0.0	0.0	0.0
72.5°	1455.8	539.1	11.4	5.7	4.3	2.9	2.9	1.4	1.4	0.0	0.0
75°	642.1	151.6	11.4	5.7	4.3	4.3	4.3	2.9	1.4	0.0	0.0
77.5°	154.4	47.2	10.0	5.7	5.7	5.7	5.7	2.9	1.4	0.0	0.0
80°	38.6	17.2	8.6	5.7	5.7	5.7	5.7	2.9	1.4	1.4	1.4
82.5°	28.6	12.9	8.6	7.2	5.7	4.3	4.3	2.9	1.4	1.4	1.4
85°	17.2	5.7	2.9	2.9	2.9	2.9	2.9	1.4	1.4	1.4	1.4
87.5°	10.0	2.9	2.9	1.4	1.4	1.4	0.0	0.0	0.0	1.4	1.4
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)