

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: P534581

Luminaire Tested: **GALN-SA3A-AMB-U-SL3-HSS**

Issue Date: 6/10/2021

Test Information

Test Method: LM-79-08
Report Number: P534581
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-SA3A-AMB-U-SL3-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 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: 2639 lumens
Efficiency: N/A
Efficacy: 44.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G1

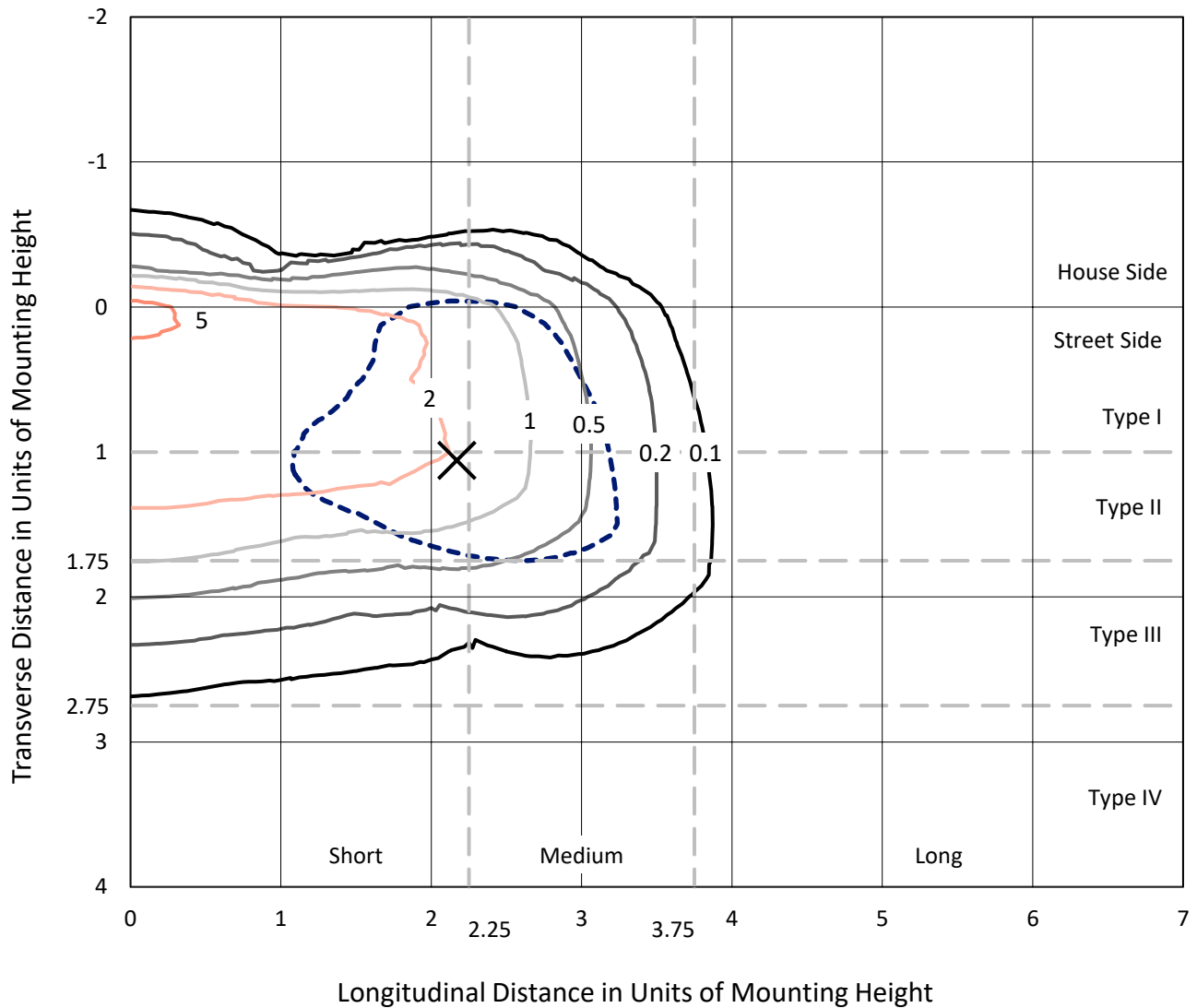
Input Watts (W): 59.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

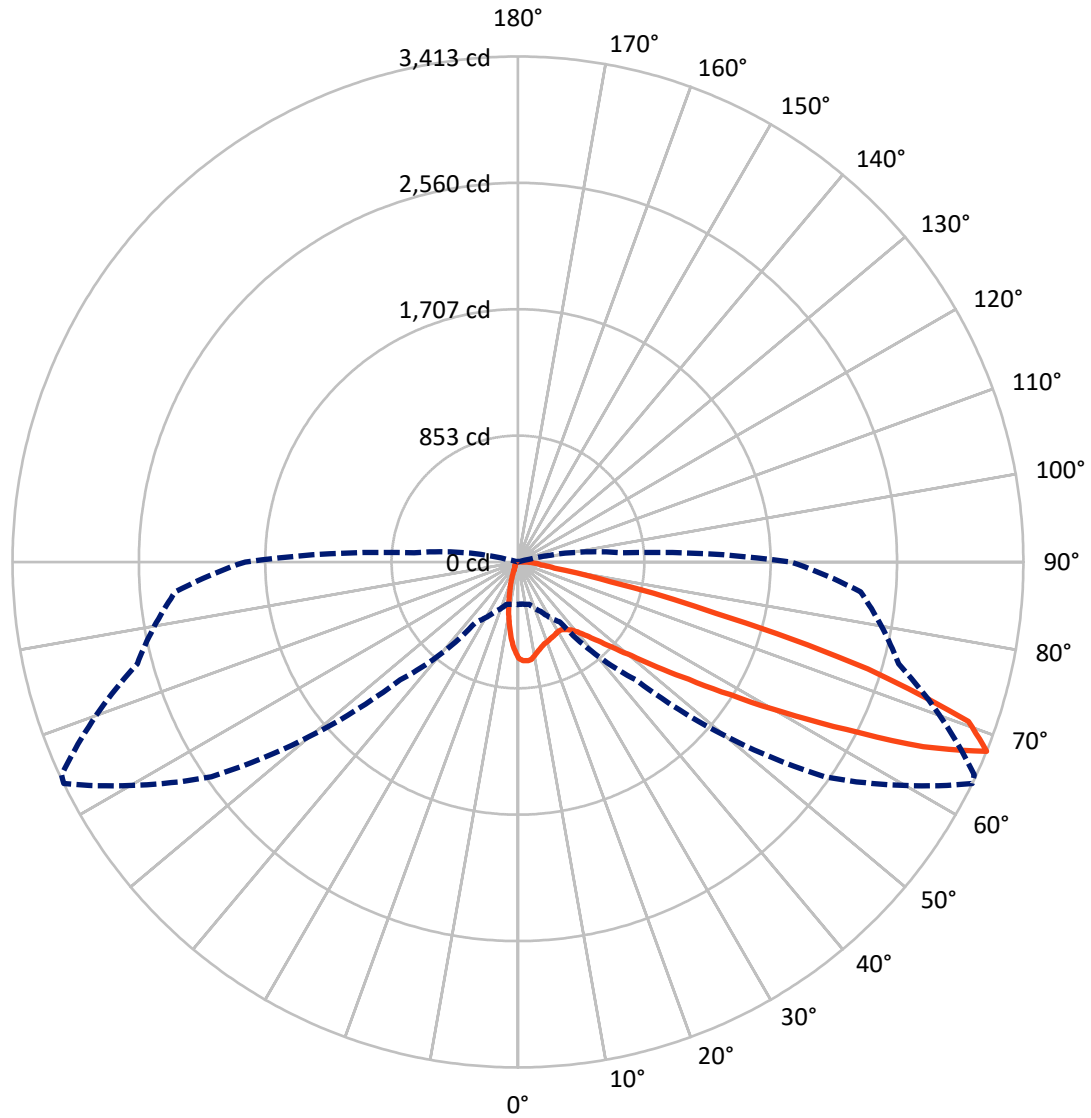
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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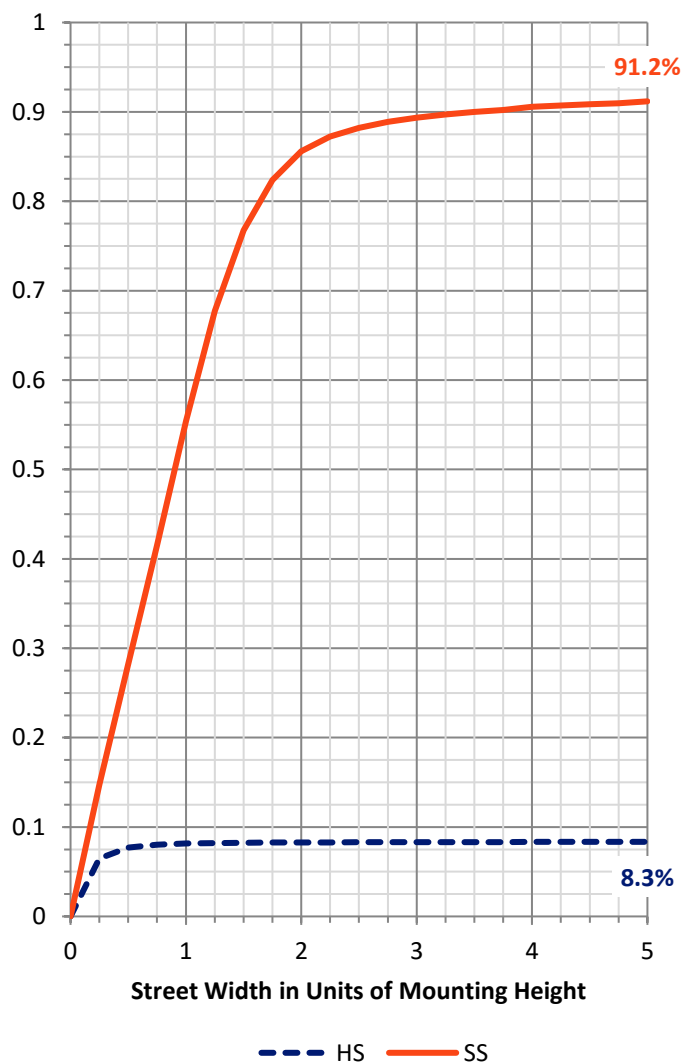
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	222.2	0.0	222.2
	% Fixture	8.4	0.0	8.4
Street Side	Lumens	2416.8	0.0	2416.8
	% Fixture	91.6	0.0	91.6
Total	Lumens	2639.0	0.0	2639.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.9	1.9
10°-20°	103.3	3.9
20°-30°	145.3	5.5
30°-40°	212.4	8.0
40°-50°	352.2	13.3
50°-60°	616.9	23.4
60°-70°	795.8	30.2
70°-80°	327.3	12.4
80°-90°	35.8	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°	2639.0	100.0
0°-180°	2639.0	100.0

Coefficient of Utilization

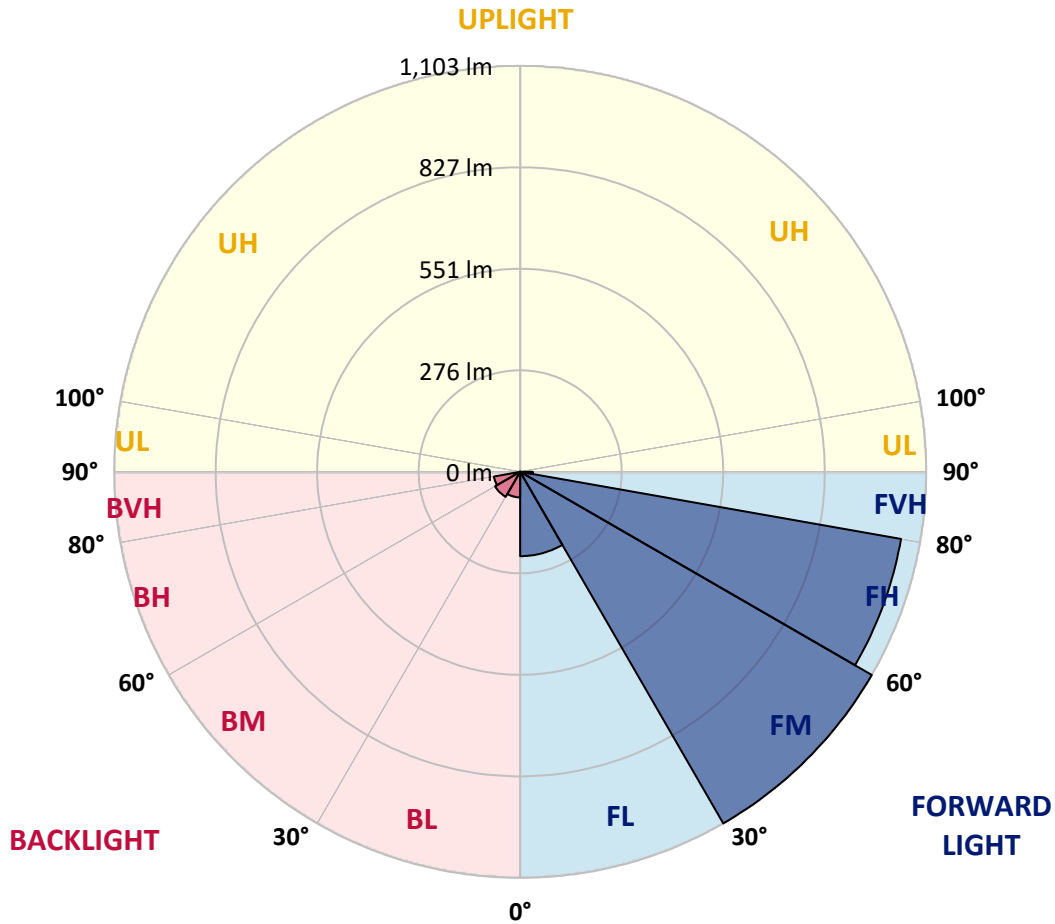


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	229.1	8.7			
FM (30°-60°)	1102.9	41.8			
FH (60°-80°)	1050.6	39.8			G1/1800
FVH (80°-90°)	34.1	1.3			G1/100
BL (0°-30°)	69.5	2.6	B0/110		
BM (30°-60°)	78.6	3.0	B0/220		
BH (60°-80°)	72.5	2.7	B0/110		G0/110
BVH (80°-90°)	1.7	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 Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	650.3	650.3	650.3	650.3	650.3	650.3	650.3	650.3	650.3	650.3	650.3
2.5°	690.3	697.5	693.2	690.3	688.9	681.8	678.9	667.5	670.3	658.9	650.3
5°	670.3	671.8	674.6	677.5	687.5	684.6	678.9	670.3	668.9	656.0	636.0
7.5°	620.3	621.7	626.0	637.5	641.7	646.0	660.3	663.2	663.2	640.3	614.6
10°	571.7	568.8	574.6	580.3	596.0	614.6	624.6	637.5	638.9	628.9	601.7
12.5°	526.0	523.1	531.7	540.3	558.8	577.4	596.0	616.0	620.3	623.2	588.9
15°	490.2	493.1	497.4	507.4	526.0	550.3	574.6	596.0	597.4	616.0	581.7
17.5°	467.4	467.4	471.7	481.7	500.2	524.5	551.7	580.3	584.6	613.2	578.9
20°	465.9	463.1	461.7	465.9	480.2	498.8	536.0	573.1	576.0	610.3	583.1
22.5°	473.1	468.8	465.9	463.1	468.8	484.5	521.7	561.7	568.8	610.3	584.6
25°	486.0	484.5	481.7	474.5	468.8	477.4	507.4	556.0	563.1	611.7	590.3
27.5°	510.2	507.4	504.5	493.1	480.2	474.5	497.4	547.4	556.0	617.4	598.9
30°	541.7	541.7	540.3	528.8	504.5	483.1	498.8	541.7	548.8	623.2	606.0
32.5°	584.6	584.6	583.1	574.6	543.1	507.4	506.0	544.6	553.1	634.6	614.6
35°	631.7	627.4	628.9	626.0	593.1	541.7	527.4	560.3	563.1	651.7	624.6
37.5°	664.6	673.2	681.8	686.0	657.5	591.7	564.6	581.7	586.0	680.3	641.7
40°	724.6	727.5	738.9	751.8	734.6	656.0	618.9	620.3	624.6	710.3	673.2
42.5°	776.1	774.7	800.4	820.4	811.8	740.4	687.5	680.3	683.2	768.9	720.4
45°	824.7	831.8	869.0	914.7	914.7	840.4	776.1	758.9	757.5	856.1	796.1
47.5°	879.0	893.3	943.3	1016.2	1049.1	963.3	884.7	863.3	853.3	964.8	910.4
50°	936.2	949.0	1003.3	1092.0	1196.3	1146.3	1019.1	993.3	1001.9	1096.3	1037.7
52.5°	989.1	993.3	1039.1	1126.3	1283.5	1392.1	1213.5	1177.7	1170.6	1257.8	1193.4
55°	1003.3	1010.5	1050.5	1127.7	1329.2	1576.5	1622.2	1399.3	1386.4	1406.4	1347.8
57.5°	979.1	989.1	1027.6	1092.0	1334.9	1708.0	1955.2	1690.8	1670.8	1552.2	1536.5
60°	846.1	860.4	894.7	979.1	1236.3	1782.3	2205.4	2058.1	2018.1	1735.1	1806.6
62.5°	671.8	661.8	727.5	834.7	1029.1	1685.1	2436.9	2491.2	2465.5	2026.7	2145.3
65°	411.6	413.1	431.6	556.0	826.1	1386.4	2625.6	3008.6	3010.0	2449.8	2378.3
67.5°	287.3	284.4	295.9	370.2	496.0	1126.3	2528.4	3413.1	3400.2	2661.3	2322.6
70°	223.0	218.7	217.2	271.6	348.7	686.0	2095.3	3227.3	3211.6	2498.4	1913.8
72.5°	161.5	157.2	164.4	218.7	303.0	405.9	1492.2	2472.6	2449.8	1818.0	1164.9
75°	101.5	102.9	117.2	164.4	284.4	288.7	876.1	1379.2	1385.0	873.3	475.9
77.5°	58.6	57.2	71.5	115.8	235.8	267.3	448.8	643.2	603.2	293.0	138.6
80°	25.7	25.7	37.2	81.5	171.5	265.8	274.4	248.7	243.0	70.0	47.2
82.5°	11.4	11.4	17.2	47.2	114.3	213.0	231.5	158.6	142.9	27.2	27.2
85°	1.4	1.4	7.1	24.3	54.3	108.6	195.8	128.6	111.5	12.9	17.2
87.5°	0.0	0.0	2.9	7.1	15.7	57.2	114.3	77.2	67.2	5.7	7.1
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°	650.3	650.3	650.3	650.3	650.3	650.3	650.3	650.3	650.3	650.3	650.3
2.5°	643.2	634.6	618.9	600.3	577.4	566.0	548.8	531.7	526.0	524.5	521.7
5°	628.9	611.7	576.0	536.0	491.7	450.2	415.9	388.8	367.3	360.2	348.7
7.5°	601.7	583.1	524.5	458.8	393.0	328.7	271.6	234.4	213.0	207.2	204.4
10°	581.7	553.1	471.7	381.6	288.7	221.5	167.2	132.9	114.3	105.8	105.8
12.5°	566.0	531.7	421.6	307.3	207.2	138.6	98.6	74.3	67.2	65.7	64.3
15°	556.0	506.0	374.5	235.8	145.8	87.2	64.3	60.0	58.6	57.2	57.2
17.5°	548.8	483.1	327.3	185.8	98.6	61.5	55.7	54.3	52.9	52.9	52.9
20°	544.6	464.5	278.7	141.5	65.7	52.9	50.0	48.6	47.2	47.2	45.7
22.5°	536.0	445.9	237.3	102.9	52.9	47.2	44.3	42.9	40.0	40.0	40.0
25°	534.5	427.4	198.7	71.5	47.2	42.9	38.6	35.7	34.3	32.9	32.9
27.5°	533.1	407.3	170.1	52.9	42.9	37.2	34.3	30.0	27.2	27.2	25.7
30°	524.5	387.3	141.5	45.7	38.6	32.9	28.6	25.7	22.9	21.4	21.4
32.5°	523.1	364.5	114.3	41.4	34.3	28.6	24.3	21.4	18.6	18.6	18.6
35°	518.8	335.9	88.6	37.2	31.4	25.7	21.4	18.6	15.7	15.7	15.7
37.5°	518.8	315.9	65.7	34.3	28.6	21.4	17.2	15.7	12.9	12.9	12.9
40°	528.8	294.4	50.0	31.4	25.7	20.0	15.7	12.9	11.4	11.4	11.4
42.5°	551.7	281.6	40.0	30.0	22.9	17.2	14.3	11.4	10.0	8.6	8.6
45°	598.9	284.4	37.2	27.2	20.0	15.7	11.4	10.0	8.6	7.1	7.1
47.5°	676.0	297.3	34.3	24.3	17.2	12.9	10.0	7.1	5.7	5.7	5.7
50°	761.8	323.0	32.9	21.4	15.7	11.4	8.6	5.7	5.7	4.3	4.3
52.5°	887.6	364.5	30.0	20.0	14.3	10.0	7.1	5.7	4.3	4.3	4.3
55°	1040.5	435.9	27.2	18.6	11.4	8.6	5.7	4.3	2.9	2.9	2.9
57.5°	1217.7	517.4	24.3	15.7	10.0	7.1	5.7	2.9	2.9	1.4	1.4
60°	1452.1	628.9	21.4	14.3	8.6	5.7	4.3	2.9	1.4	1.4	1.4
62.5°	1768.0	737.5	18.6	11.4	7.1	4.3	2.9	2.9	1.4	1.4	1.4
65°	1916.7	768.9	15.7	10.0	5.7	4.3	2.9	1.4	1.4	0.0	0.0
67.5°	1842.3	703.2	12.9	8.6	5.7	4.3	2.9	1.4	0.0	0.0	0.0
70°	1450.7	528.8	12.9	7.1	5.7	4.3	2.9	1.4	0.0	0.0	0.0
72.5°	833.3	320.2	11.4	7.1	4.3	4.3	2.9	1.4	1.4	0.0	0.0
75°	330.2	102.9	10.0	5.7	4.3	4.3	4.3	2.9	1.4	0.0	0.0
77.5°	88.6	38.6	8.6	5.7	5.7	5.7	5.7	2.9	1.4	0.0	0.0
80°	28.6	14.3	8.6	5.7	5.7	7.1	5.7	2.9	1.4	0.0	0.0
82.5°	21.4	10.0	8.6	5.7	5.7	5.7	5.7	2.9	1.4	0.0	0.0
85°	14.3	4.3	2.9	2.9	2.9	2.9	2.9	1.4	1.4	1.4	0.0
87.5°	7.1	2.9	1.4	1.4	1.4	1.4	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)