

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: STREETWORKS

Report Number: P595991

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

Issue Date: 4/29/2022

Test Information

Test Method: LM-79-08
Report Number: P595991
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2109-400-20)
Test Lab: INNOVATIONS CENTER
Issue Date: 4/29/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: PMM-SA3A-AMB-U-SL3-HSS
Description: POST TOP DECORATIVE LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH
AND TYPE III SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: (48) 1549K CCT, -21.5 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1906 lumens
Efficiency: N/A
Efficacy: 31.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G1

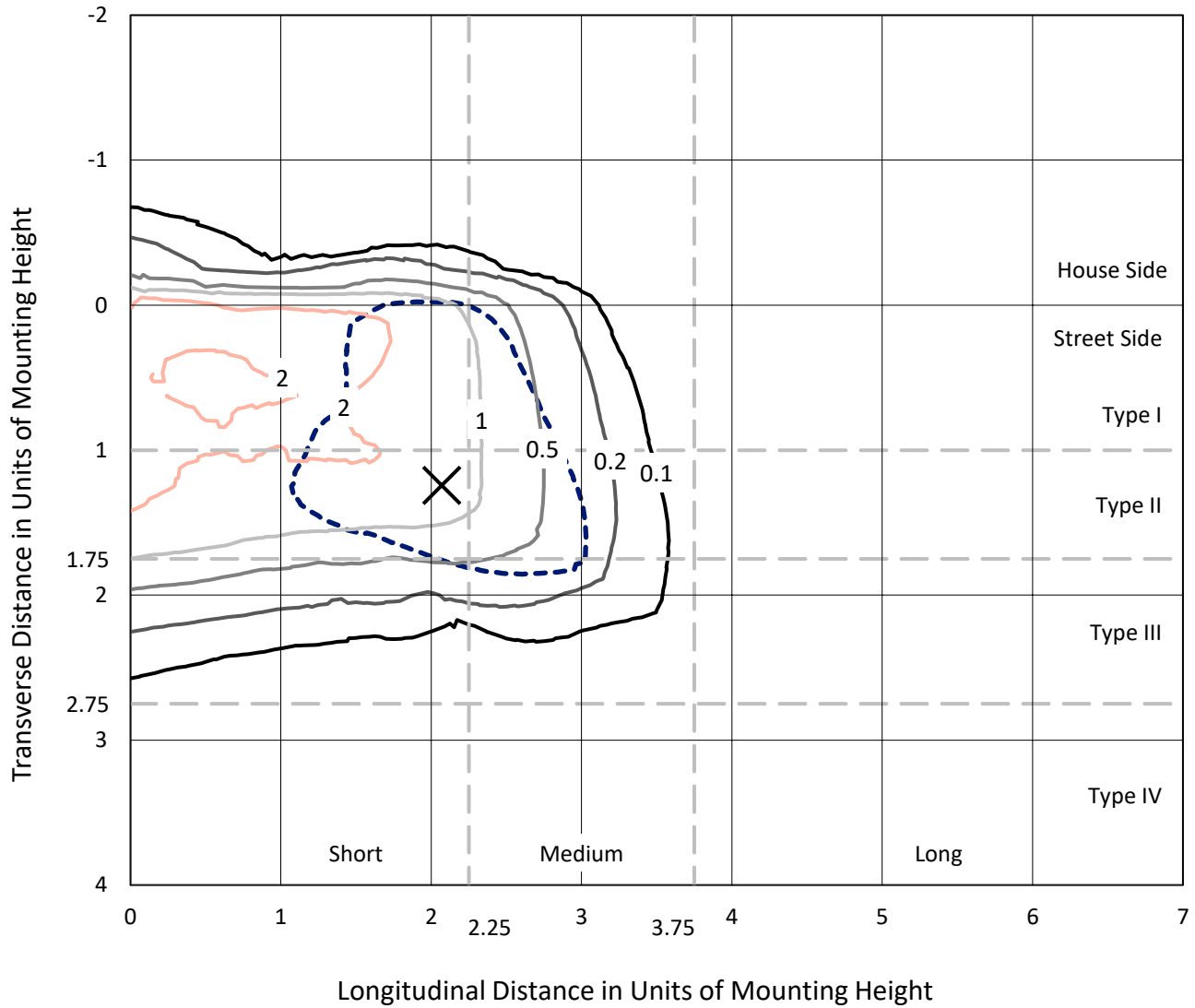
Input Watts (W): 59.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

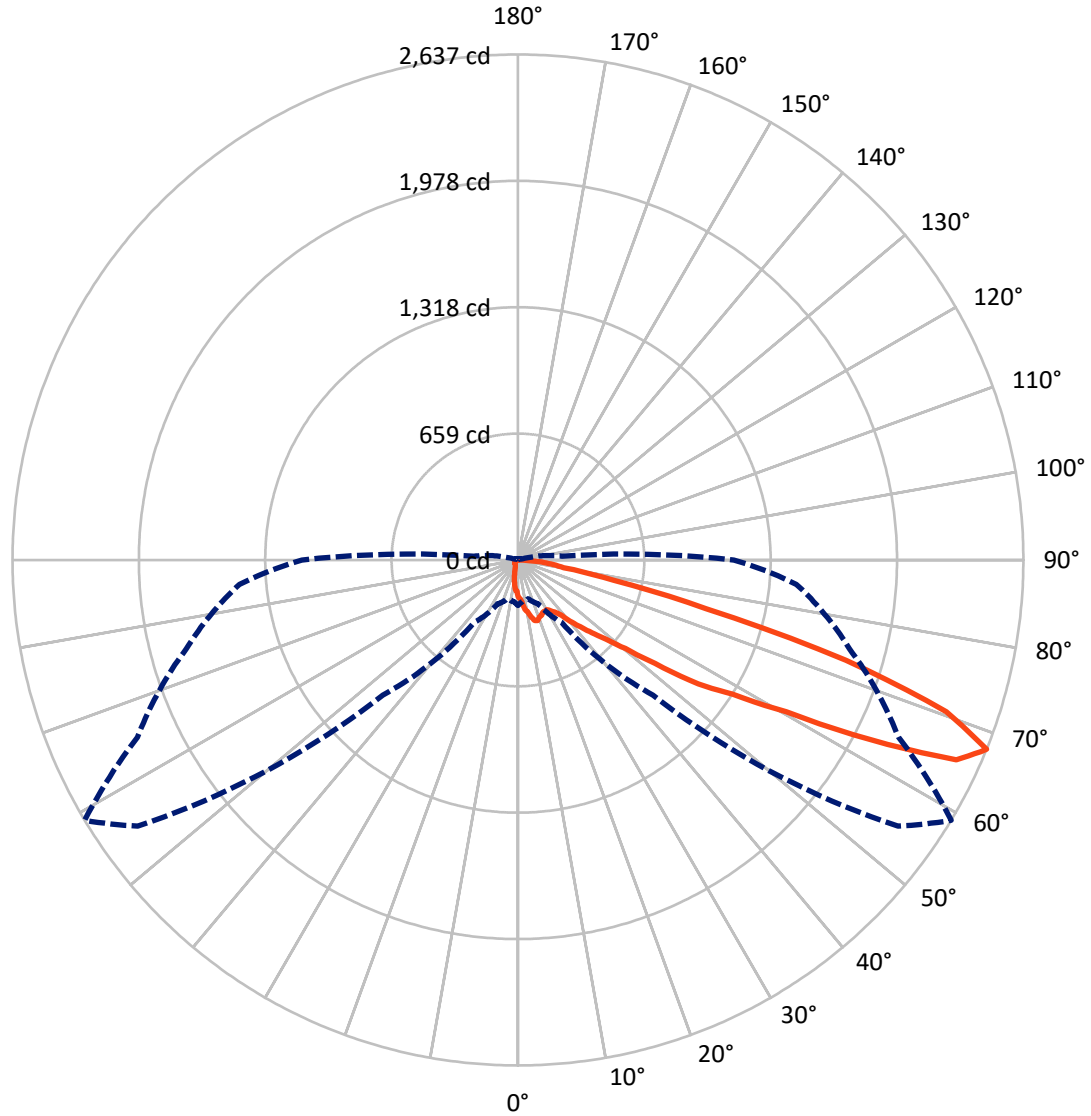
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.1 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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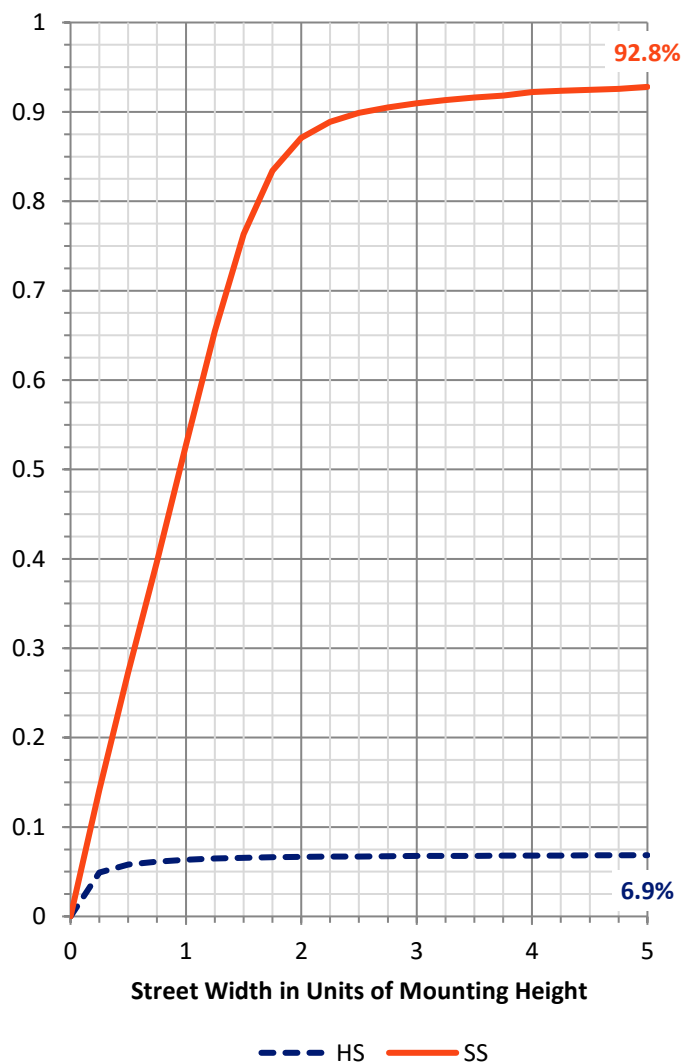
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	132.3	0.0	132.3
	% Fixture	6.9	0.0	6.9
Street Side	Lumens	1773.8	0.0	1773.8
	% Fixture	93.1	0.0	93.1
Total	Lumens	1906.0	0.0	1906.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.9	1.0
10°-20°	53.2	2.8
20°-30°	84.2	4.4
30°-40°	135.8	7.1
40°-50°	260.0	13.6
50°-60°	506.5	26.6
60°-70°	616.1	32.3
70°-80°	207.8	10.9
80°-90°	23.3	1.2
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°	1906.0	100.0
0°-180°	1906.0	100.0

Coefficient of Utilization



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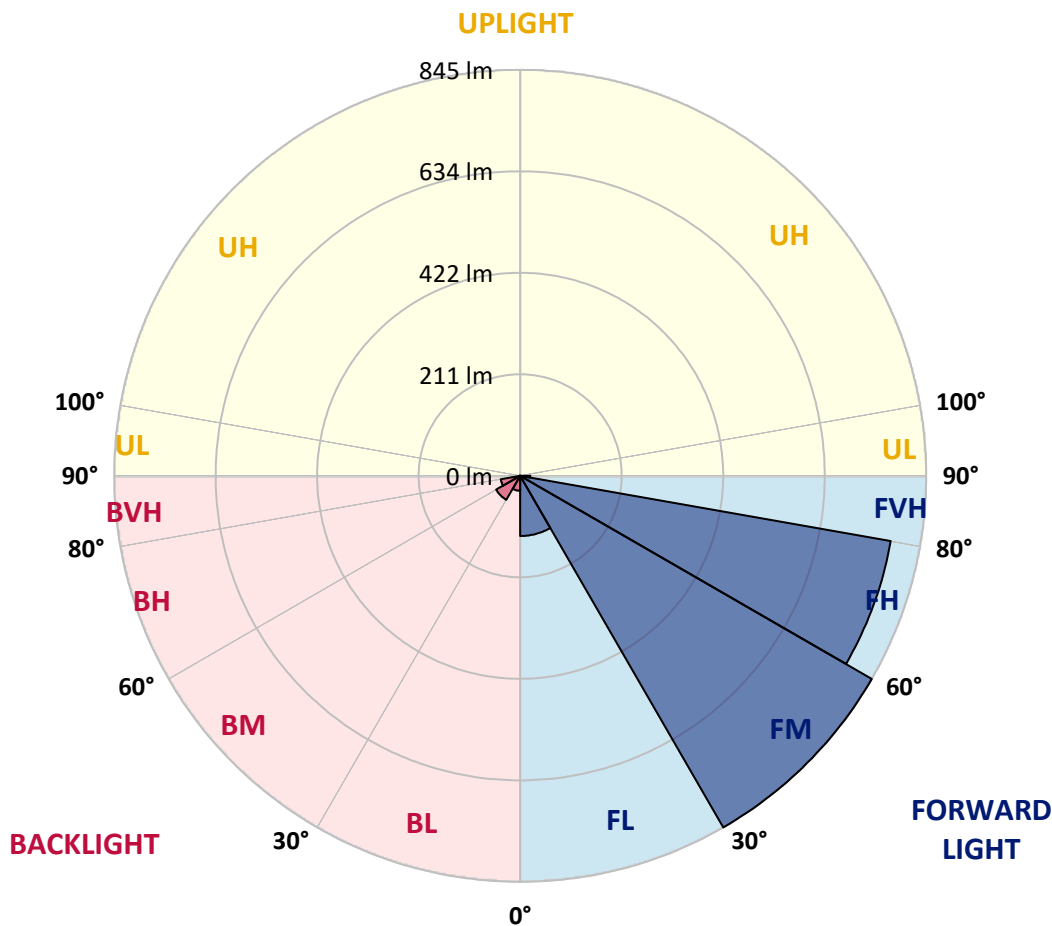
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	125.3	6.6			
FM (30°-60°)	844.8	44.3			
FH (60°-80°)	782.9	41.1			G1/1800
FVH (80°-90°)	20.9	1.1			G1/100
BL (0°-30°)	31.1	1.6	B0/110		
BM (30°-60°)	57.6	3.0	B0/220		
BH (60°-80°)	41.1	2.2	B0/110		G0/110
BVH (80°-90°)	2.5	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 III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	192.3	192.3	192.3	192.3	192.3	192.3	192.3	192.3	192.3	192.3	192.3
2.5°	278.5	241.0	228.3	202.7	205.9	212.3	210.7	200.3	201.1	209.9	213.9
5°	317.6	272.1	278.5	249.0	221.1	213.1	209.1	219.5	238.6	275.3	257.0
7.5°	321.6	295.3	297.7	269.0	228.3	225.1	250.6	260.2	283.3	296.1	280.9
10°	277.7	270.6	263.4	249.8	256.2	271.4	268.2	273.7	286.5	308.9	285.7
12.5°	246.6	249.0	268.2	257.8	280.1	300.9	310.5	303.3	321.6	324.0	293.7
15°	249.0	249.8	253.8	265.0	280.1	311.3	324.0	328.0	340.0	351.2	305.7
17.5°	258.6	261.0	257.0	267.4	285.7	308.1	325.6	332.0	342.4	374.3	332.0
20°	270.6	272.9	264.2	251.4	276.1	295.3	318.4	318.4	335.2	379.1	342.4
22.5°	295.3	287.3	265.8	253.0	258.6	272.1	299.3	313.6	328.8	377.5	361.5
25°	301.7	300.1	282.5	267.4	263.4	269.8	291.3	302.5	339.2	399.8	359.1
27.5°	324.8	319.2	281.7	285.7	268.2	257.0	285.7	301.7	343.2	393.5	367.1
30°	347.2	350.4	305.7	303.3	284.9	257.8	292.9	300.1	344.8	411.0	383.1
32.5°	387.9	384.7	340.8	318.4	298.5	292.9	290.5	316.8	342.4	440.5	406.2
35°	431.8	427.8	380.7	357.5	328.0	310.5	327.2	335.2	366.3	475.7	426.2
37.5°	510.0	494.0	438.9	402.2	383.9	360.7	372.7	363.1	412.6	528.3	489.2
40°	571.4	550.7	491.6	467.7	418.2	417.4	406.2	419.0	444.5	594.6	563.5
42.5°	632.1	611.3	554.7	535.5	483.6	450.1	446.9	476.5	504.4	676.0	636.1
45°	687.2	647.2	608.1	597.8	574.6	540.3	529.9	540.3	578.6	778.1	719.9
47.5°	739.0	701.5	672.8	661.6	649.6	687.2	624.1	616.9	656.8	886.7	826.8
50°	838.0	782.9	744.6	731.8	762.2	798.1	748.6	725.5	750.2	992.0	931.4
52.5°	987.2	918.6	875.5	845.2	880.3	893.9	970.5	896.3	881.9	1100.6	1059.1
55°	1069.4	1007.2	983.2	1007.2	1051.1	1043.9	1184.4	1141.3	1084.6	1220.3	1221.1
57.5°	1046.3	980.9	978.5	1032.7	1166.0	1279.3	1369.5	1320.8	1271.4	1390.3	1430.2
60°	845.2	783.7	828.4	944.9	1182.8	1432.6	1685.6	1608.9	1446.9	1576.2	1647.3
62.5°	565.0	528.3	582.6	655.2	1004.0	1525.9	2059.1	2064.7	1688.0	1755.0	1786.1
65°	346.4	314.4	332.8	426.2	682.4	1417.4	2342.4	2514.0	1959.3	1861.9	1735.8
67.5°	237.0	219.5	209.9	253.8	399.0	996.8	2420.6	2636.9	2190.8	1790.9	1458.1
70°	182.8	167.6	155.6	178.0	253.0	547.5	2046.3	2370.3	1995.2	1397.5	929.8
72.5°	134.9	123.7	124.5	142.1	210.7	269.8	1363.9	1789.3	1475.7	852.4	432.6
75°	88.6	83.8	98.2	122.1	188.3	201.9	676.8	1013.6	842.0	363.1	127.7
77.5°	53.5	48.7	63.8	99.0	161.2	176.4	294.5	510.8	316.8	99.0	37.5
80°	26.3	23.9	32.7	71.0	129.3	157.2	198.7	241.8	129.3	31.1	21.5
82.5°	10.4	10.4	16.0	43.9	88.6	120.5	166.8	173.2	73.4	16.0	16.0
85°	2.4	3.2	8.0	20.8	43.9	52.7	122.9	114.1	38.3	9.6	11.2
87.5°	1.6	1.6	3.2	4.8	7.2	8.0	27.1	24.7	8.0	5.6	4.8
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°	192.3	192.3	192.3	192.3	192.3	192.3	192.3	192.3	192.3	192.3	192.3
2.5°	224.3	189.1	192.3	166.8	156.4	157.2	156.4	157.2	170.0	171.6	182.8
5°	273.7	234.6	216.3	180.4	143.7	126.1	126.1	138.9	147.6	142.1	154.8
7.5°	286.5	254.6	216.3	164.4	114.9	96.6	95.0	89.4	88.6	84.6	89.4
10°	270.6	237.8	188.3	130.1	95.0	74.2	55.9	46.3	43.1	43.1	43.1
12.5°	275.3	237.0	173.2	109.3	72.6	48.7	37.5	31.9	31.1	30.3	31.1
15°	271.4	235.4	158.8	88.6	52.7	37.5	31.9	31.1	30.3	31.1	31.1
17.5°	282.5	245.8	139.7	68.6	40.7	33.5	31.9	31.1	31.1	31.9	31.1
20°	292.1	238.6	116.5	50.3	34.3	31.9	31.1	29.5	30.3	31.9	31.1
22.5°	304.9	232.2	91.8	40.7	31.1	29.5	28.7	27.9	28.7	30.3	30.3
25°	302.5	221.9	73.4	34.3	29.5	27.9	26.3	26.3	26.3	27.9	27.9
27.5°	303.3	205.9	55.9	31.1	27.9	25.5	24.7	23.9	23.1	23.9	23.9
30°	297.7	203.5	43.9	28.7	25.5	22.3	22.3	21.5	20.0	20.8	20.8
32.5°	316.0	178.0	38.3	27.1	23.9	21.5	20.0	18.4	17.6	18.4	18.4
35°	322.4	166.8	34.3	26.3	23.1	20.0	18.4	16.8	16.0	16.0	16.0
37.5°	359.9	153.2	31.9	25.5	22.3	19.2	16.8	15.2	15.2	15.2	15.2
40°	407.0	151.6	30.3	24.7	21.5	18.4	16.0	14.4	13.6	13.6	14.4
42.5°	466.9	153.2	30.3	23.9	20.0	16.8	14.4	13.6	12.8	12.8	12.8
45°	532.3	154.8	28.7	23.1	19.2	16.0	13.6	12.8	11.2	11.2	12.0
47.5°	594.6	162.8	27.9	22.3	18.4	15.2	12.8	11.2	10.4	10.4	10.4
50°	673.6	181.2	27.1	21.5	17.6	14.4	12.0	10.4	9.6	9.6	8.8
52.5°	794.9	208.3	25.5	20.8	16.8	14.4	12.0	9.6	8.8	8.0	8.0
55°	950.5	254.6	23.9	20.0	16.0	13.6	11.2	8.8	8.0	8.0	8.0
57.5°	1147.7	312.9	22.3	18.4	15.2	12.8	10.4	8.8	8.0	7.2	6.4
60°	1341.6	347.2	20.8	16.8	13.6	11.2	9.6	8.0	7.2	6.4	6.4
62.5°	1449.3	335.2	19.2	16.0	12.0	10.4	8.8	8.0	7.2	6.4	5.6
65°	1383.9	296.9	17.6	14.4	11.2	9.6	8.0	8.0	7.2	6.4	5.6
67.5°	1126.9	230.6	15.2	12.8	10.4	8.8	7.2	7.2	6.4	5.6	4.8
70°	692.7	138.9	13.6	11.2	8.8	8.0	7.2	7.2	6.4	5.6	4.8
72.5°	300.1	56.7	12.0	10.4	8.0	7.2	7.2	7.2	6.4	6.4	4.8
75°	93.4	23.1	11.2	9.6	8.0	6.4	7.2	7.2	6.4	5.6	4.8
77.5°	29.5	14.4	9.6	8.0	7.2	6.4	7.2	7.2	5.6	4.8	3.2
80°	17.6	9.6	8.0	7.2	6.4	4.0	6.4	6.4	5.6	4.8	3.2
82.5°	12.8	7.2	6.4	5.6	4.8	2.4	5.6	5.6	5.6	4.8	3.2
85°	8.8	5.6	5.6	4.8	4.0	2.4	4.8	4.8	5.6	5.6	3.2
87.5°	3.2	4.8	4.8	4.8	4.0	2.4	4.8	4.8	5.6	4.8	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

(END OF REPORT)