

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: P595945

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

Issue Date: 4/29/2022

Test Information

Test Method: LM-79-08
Report Number: P595945
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-SA1A-AMB-U-SL3-HSS
Description: POST TOP DECORATIVE LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH
AND TYPE III SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: (16) 1549K CCT, -21.5 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 716 lumens
Efficiency: N/A
Efficacy: 34.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G0

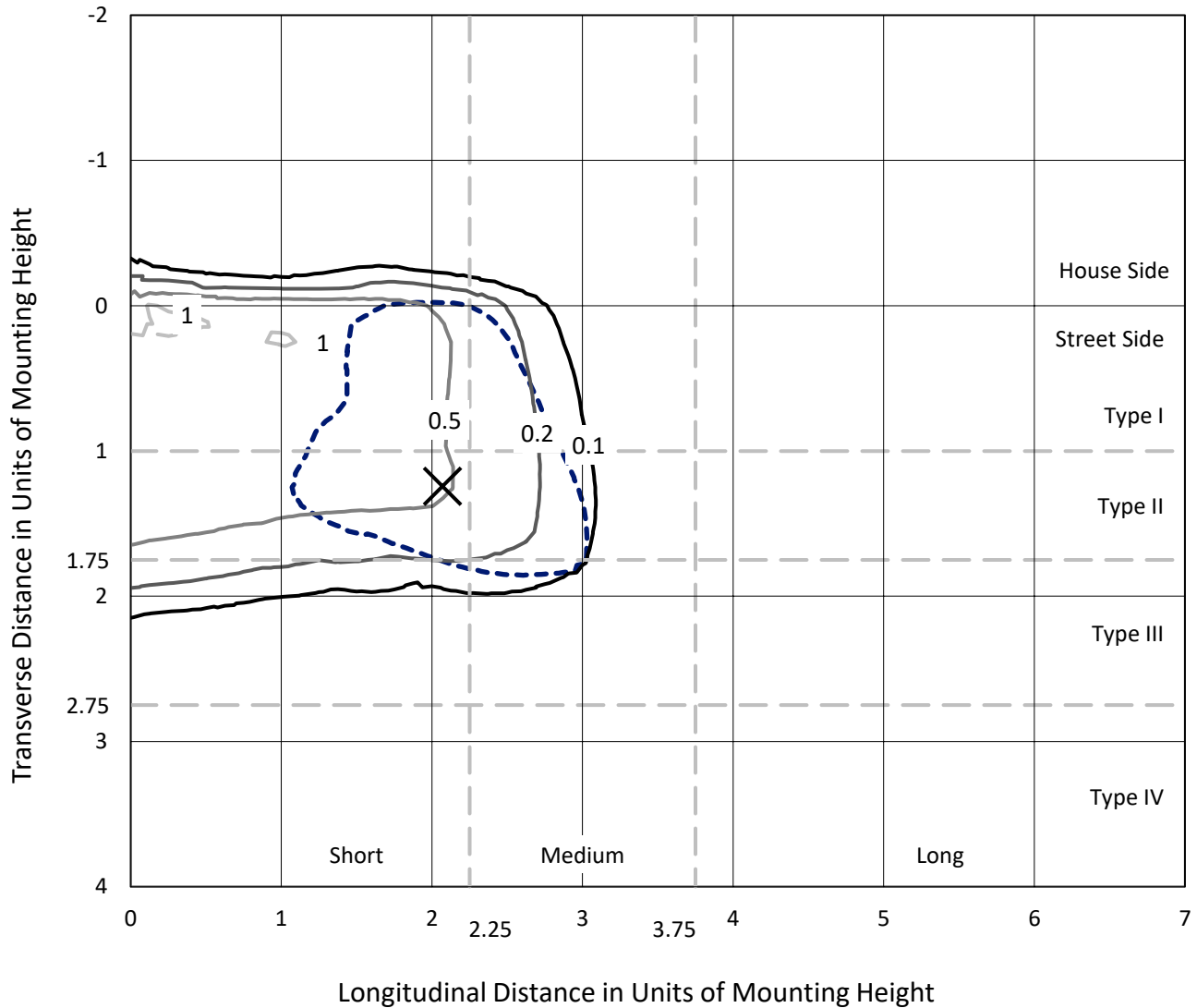
Input Watts (W): 20.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

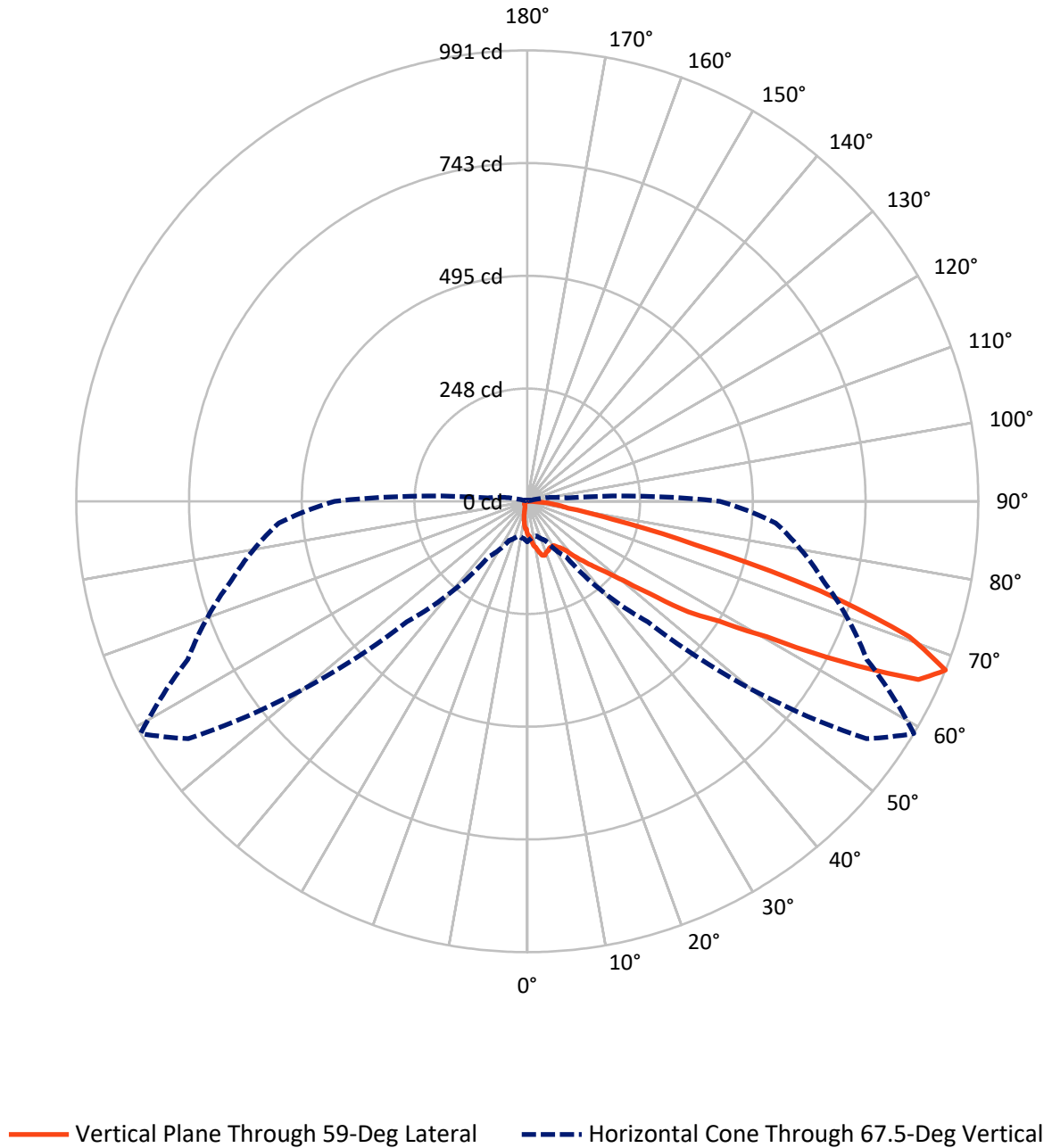
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 1.2 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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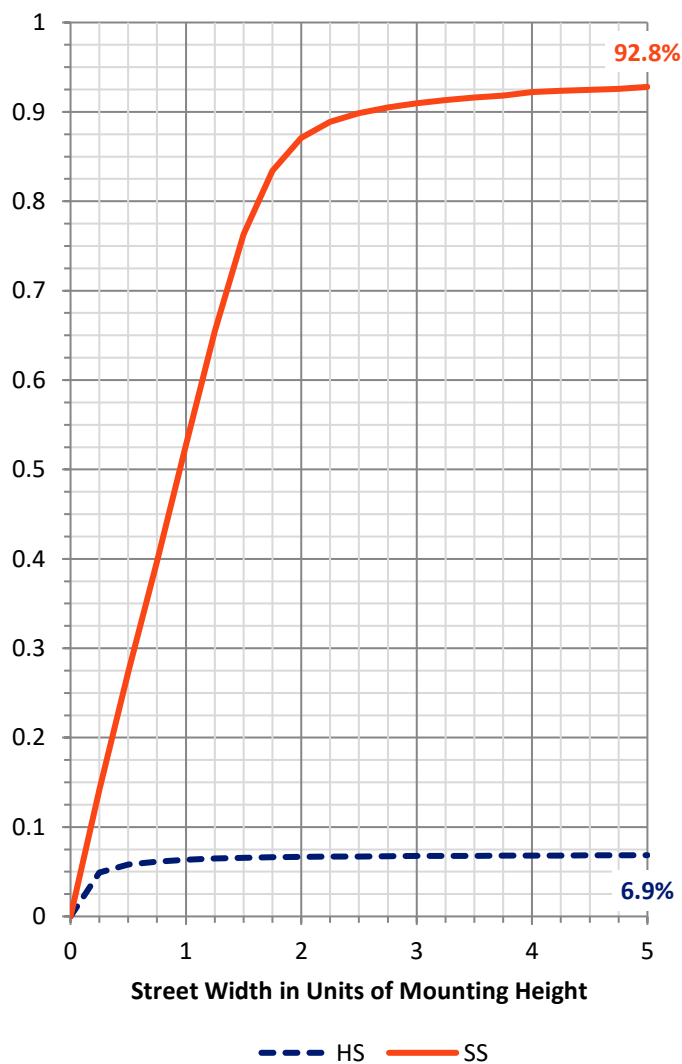
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	49.7	0.0	49.7
	% Fixture	6.9	0.0	6.9
Street Side	Lumens	666.3	0.0	666.3
	% Fixture	93.1	0.0	93.1
Total	Lumens	716.0	0.0	716.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.1	1.0
10°-20°	20.0	2.8
20°-30°	31.6	4.4
30°-40°	51.0	7.1
40°-50°	97.7	13.6
50°-60°	190.3	26.6
60°-70°	231.4	32.3
70°-80°	78.1	10.9
80°-90°	8.8	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°	716.0	100.0
0°-180°	716.0	100.0

Coefficient of Utilization



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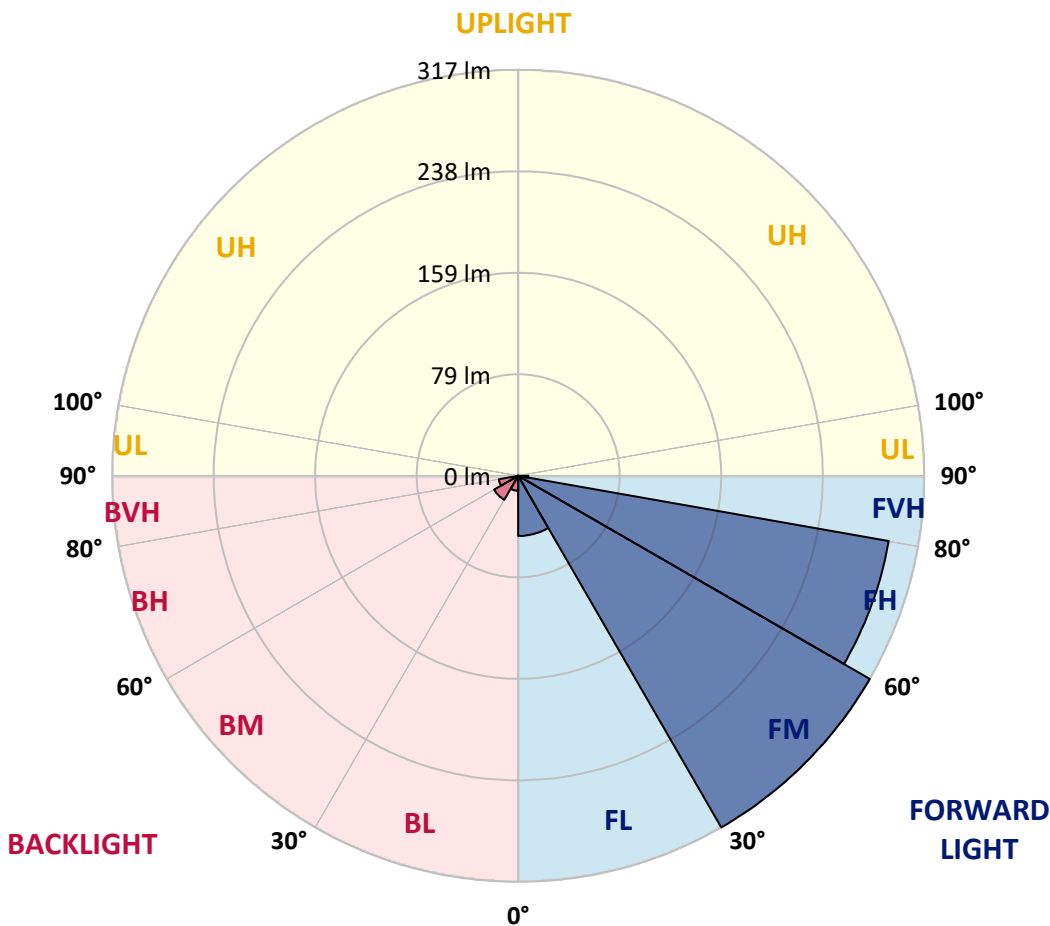
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	47.0	6.6			
FM (30°-60°)	317.3	44.3			
FH (60°-80°)	294.1	41.1			G0/660
FVH (80°-90°)	7.8	1.1			G0/10
BL (0°-30°)	11.7	1.6	B0/110		
BM (30°-60°)	21.6	3.0	B0/220		
BH (60°-80°)	15.4	2.2	B0/110		G0/110
BVH (80°-90°)	0.9	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-G0

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
2.5°	104.6	90.5	85.7	76.2	77.4	79.7	79.1	75.3	75.6	78.8	80.3
5°	119.3	102.2	104.6	93.5	83.0	80.0	78.5	82.4	89.6	103.4	96.5
7.5°	120.8	110.9	111.8	101.0	85.7	84.5	94.1	97.7	106.4	111.2	105.5
10°	104.3	101.6	98.9	93.8	96.2	101.9	100.7	102.8	107.6	116.0	107.3
12.5°	92.6	93.5	100.7	96.8	105.2	113.0	116.6	113.9	120.8	121.7	110.3
15°	93.5	93.8	95.3	99.5	105.2	116.9	121.7	123.2	127.7	131.9	114.8
17.5°	97.1	98.0	96.5	100.4	107.3	115.7	122.3	124.7	128.6	140.6	124.7
20°	101.6	102.5	99.2	94.4	103.7	110.9	119.6	119.6	125.9	142.4	128.6
22.5°	110.9	107.9	99.8	95.0	97.1	102.2	112.4	117.8	123.5	141.8	135.8
25°	113.3	112.7	106.1	100.4	98.9	101.3	109.4	113.6	127.4	150.2	134.9
27.5°	122.0	119.9	105.8	107.3	100.7	96.5	107.3	113.3	128.9	147.8	137.9
30°	130.4	131.6	114.8	113.9	107.0	96.8	110.0	112.7	129.5	154.4	143.9
32.5°	145.7	144.5	128.0	119.6	112.1	110.0	109.1	119.0	128.6	165.5	152.6
35°	162.2	160.7	143.0	134.3	123.2	116.6	122.9	125.9	137.6	178.7	160.1
37.5°	191.6	185.6	164.9	151.1	144.2	135.5	140.0	136.4	155.0	198.5	183.8
40°	214.7	206.9	184.7	175.7	157.1	156.8	152.6	157.4	167.0	223.4	211.7
42.5°	237.4	229.7	208.4	201.2	181.7	169.1	167.9	179.0	189.5	253.9	238.9
45°	258.1	243.1	228.5	224.6	215.9	203.0	199.1	203.0	217.4	292.3	270.4
47.5°	277.6	263.5	252.7	248.5	244.0	258.1	234.4	231.8	246.7	333.1	310.6
50°	314.8	294.1	279.7	274.9	286.3	299.8	281.2	272.5	281.8	372.7	349.9
52.5°	370.9	345.1	328.9	317.5	330.7	335.8	364.6	336.7	331.3	413.4	397.8
55°	401.7	378.4	369.4	378.4	394.8	392.1	444.9	428.7	407.4	458.4	458.7
57.5°	393.0	368.5	367.6	387.9	438.0	480.6	514.5	496.2	477.6	522.3	537.3
60°	317.5	294.4	311.2	355.0	444.3	538.2	633.2	604.4	543.5	592.1	618.8
62.5°	212.3	198.5	218.9	246.1	377.2	573.2	773.5	775.6	634.1	659.3	671.0
65°	130.1	118.1	125.0	160.1	256.3	532.5	879.9	944.4	736.0	699.4	652.1
67.5°	89.0	82.4	78.8	95.3	149.9	374.5	909.3	990.6	823.0	672.8	547.7
70°	68.7	63.0	58.5	66.9	95.0	205.7	768.7	890.4	749.5	525.0	349.3
72.5°	50.7	46.5	46.8	53.4	79.1	101.3	512.4	672.2	554.3	320.2	162.5
75°	33.3	31.5	36.9	45.9	70.8	75.9	254.2	380.8	316.3	136.4	48.0
77.5°	20.1	18.3	24.0	37.2	60.6	66.3	110.6	191.9	119.0	37.2	14.1
80°	9.9	9.0	12.3	26.7	48.6	59.1	74.7	90.8	48.6	11.7	8.1
82.5°	3.9	3.9	6.0	16.5	33.3	45.3	62.7	65.1	27.6	6.0	6.0
85°	0.9	1.2	3.0	7.8	16.5	19.8	46.2	42.9	14.4	3.6	4.2
87.5°	0.6	0.6	1.2	1.8	2.7	3.0	10.2	9.3	3.0	2.1	1.8
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°	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
2.5°	84.2	71.1	72.3	62.7	58.8	59.1	58.8	59.1	63.9	64.5	68.7
5°	102.8	88.1	81.2	67.8	54.0	47.4	47.4	52.2	55.5	53.4	58.2
7.5°	107.6	95.6	81.2	61.8	43.2	36.3	35.7	33.6	33.3	31.8	33.6
10°	101.6	89.3	70.8	48.9	35.7	27.9	21.0	17.4	16.2	16.2	16.2
12.5°	103.4	89.0	65.1	41.1	27.3	18.3	14.1	12.0	11.7	11.4	11.7
15°	101.9	88.4	59.7	33.3	19.8	14.1	12.0	11.7	11.4	11.7	11.7
17.5°	106.1	92.3	52.5	25.8	15.3	12.6	12.0	11.7	11.7	12.0	11.7
20°	109.7	89.6	43.8	18.9	12.9	12.0	11.7	11.1	11.4	12.0	11.7
22.5°	114.5	87.2	34.5	15.3	11.7	11.1	10.8	10.5	10.8	11.4	11.4
25°	113.6	83.3	27.6	12.9	11.1	10.5	9.9	9.9	9.9	10.5	10.5
27.5°	113.9	77.4	21.0	11.7	10.5	9.6	9.3	9.0	8.7	9.0	9.0
30°	111.8	76.5	16.5	10.8	9.6	8.4	8.4	8.1	7.5	7.8	7.8
32.5°	118.7	66.9	14.4	10.2	9.0	8.1	7.5	6.9	6.6	6.9	6.9
35°	121.1	62.7	12.9	9.9	8.7	7.5	6.9	6.3	6.0	6.0	6.0
37.5°	135.2	57.6	12.0	9.6	8.4	7.2	6.3	5.7	5.7	5.7	5.7
40°	152.9	57.0	11.4	9.3	8.1	6.9	6.0	5.4	5.1	5.1	5.4
42.5°	175.4	57.6	11.4	9.0	7.5	6.3	5.4	5.1	4.8	4.8	4.8
45°	200.0	58.2	10.8	8.7	7.2	6.0	5.1	4.8	4.2	4.2	4.5
47.5°	223.4	61.2	10.5	8.4	6.9	5.7	4.8	4.2	3.9	3.9	3.9
50°	253.0	68.1	10.2	8.1	6.6	5.4	4.5	3.9	3.6	3.6	3.3
52.5°	298.6	78.2	9.6	7.8	6.3	5.4	4.5	3.6	3.3	3.0	3.0
55°	357.1	95.6	9.0	7.5	6.0	5.1	4.2	3.3	3.0	3.0	3.0
57.5°	431.1	117.5	8.4	6.9	5.7	4.8	3.9	3.3	3.0	2.7	2.4
60°	504.0	130.4	7.8	6.3	5.1	4.2	3.6	3.0	2.7	2.4	2.4
62.5°	544.4	125.9	7.2	6.0	4.5	3.9	3.3	3.0	2.7	2.4	2.1
65°	519.9	111.5	6.6	5.4	4.2	3.6	3.0	3.0	2.7	2.4	2.1
67.5°	423.3	86.6	5.7	4.8	3.9	3.3	2.7	2.7	2.4	2.1	1.8
70°	260.2	52.2	5.1	4.2	3.3	3.0	2.7	2.7	2.4	2.1	1.8
72.5°	112.7	21.3	4.5	3.9	3.0	2.7	2.7	2.7	2.4	2.4	1.8
75°	35.1	8.7	4.2	3.6	3.0	2.4	2.7	2.7	2.4	2.1	1.8
77.5°	11.1	5.4	3.6	3.0	2.7	2.4	2.7	2.7	2.1	1.8	1.2
80°	6.6	3.6	3.0	2.7	2.4	1.5	2.4	2.4	2.1	1.8	1.2
82.5°	4.8	2.7	2.4	2.1	1.8	0.9	2.1	2.1	2.1	1.8	1.2
85°	3.3	2.1	2.1	1.8	1.5	0.9	1.8	1.8	2.1	2.1	1.2
87.5°	1.2	1.8	1.8	1.8	1.5	0.9	1.8	1.8	2.1	1.8	1.2
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)