

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: P595969

Luminaire Tested: **PMM-SA2A-AMB-U-SL3**

Issue Date: 4/29/2022

Test Information

Test Method: LM-79-08
Report Number: P595969
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2109-400-19)
Test Lab: INNOVATIONS CENTER
Issue Date: 4/29/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: PMM-SA2A-AMB-U-SL3
Description: POST TOP DECORATIVE LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH
AND TYPE III SPILL LIGHT ELIMINATOR OPTICS.
Light Source: (32) 1549K CCT, -21.5 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1724 lumens
Efficiency: N/A
Efficacy: 41.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G1

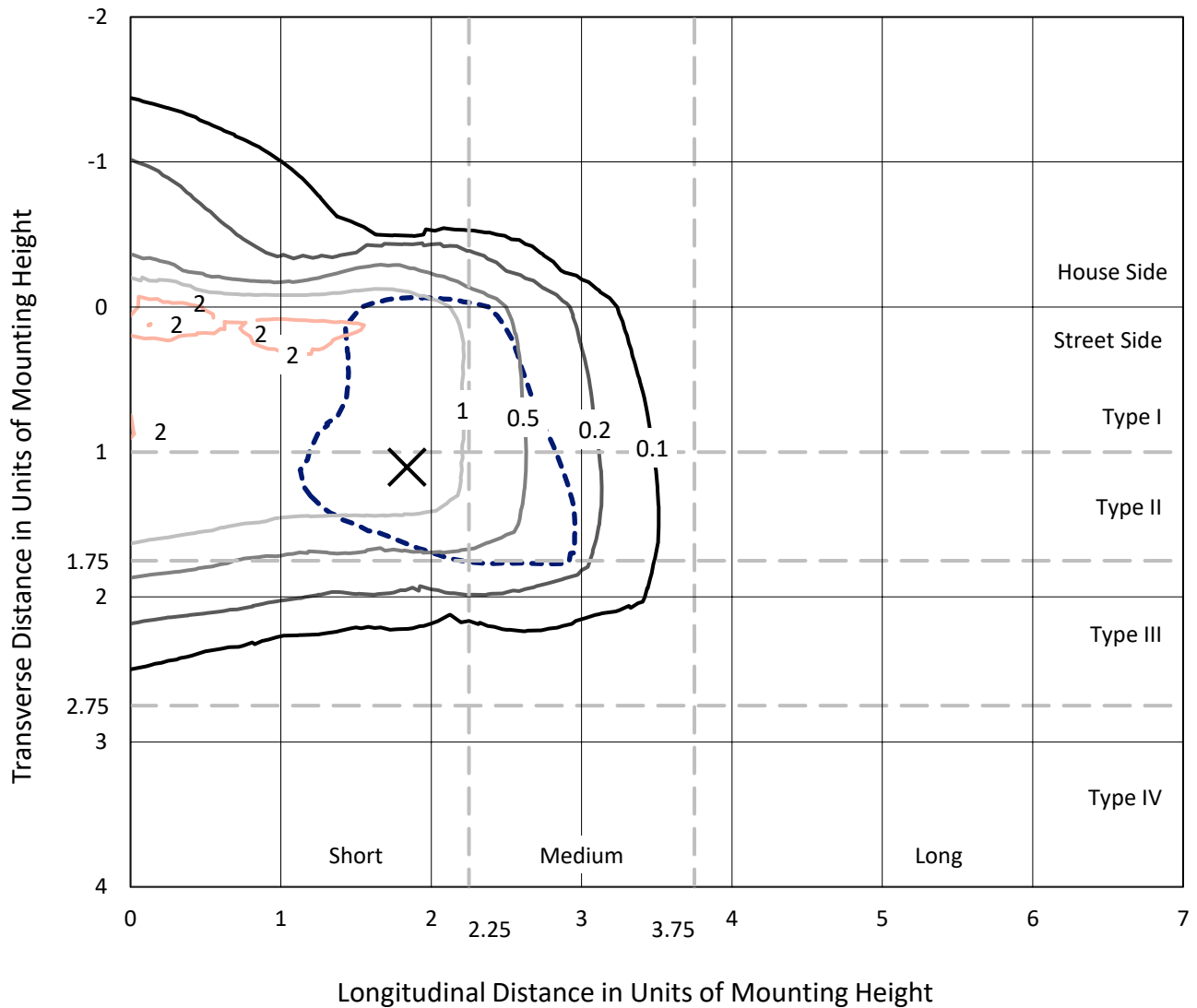
Input Watts (W): 41.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P595969
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Iso-Footcandle Lines of Horizontal Illumination

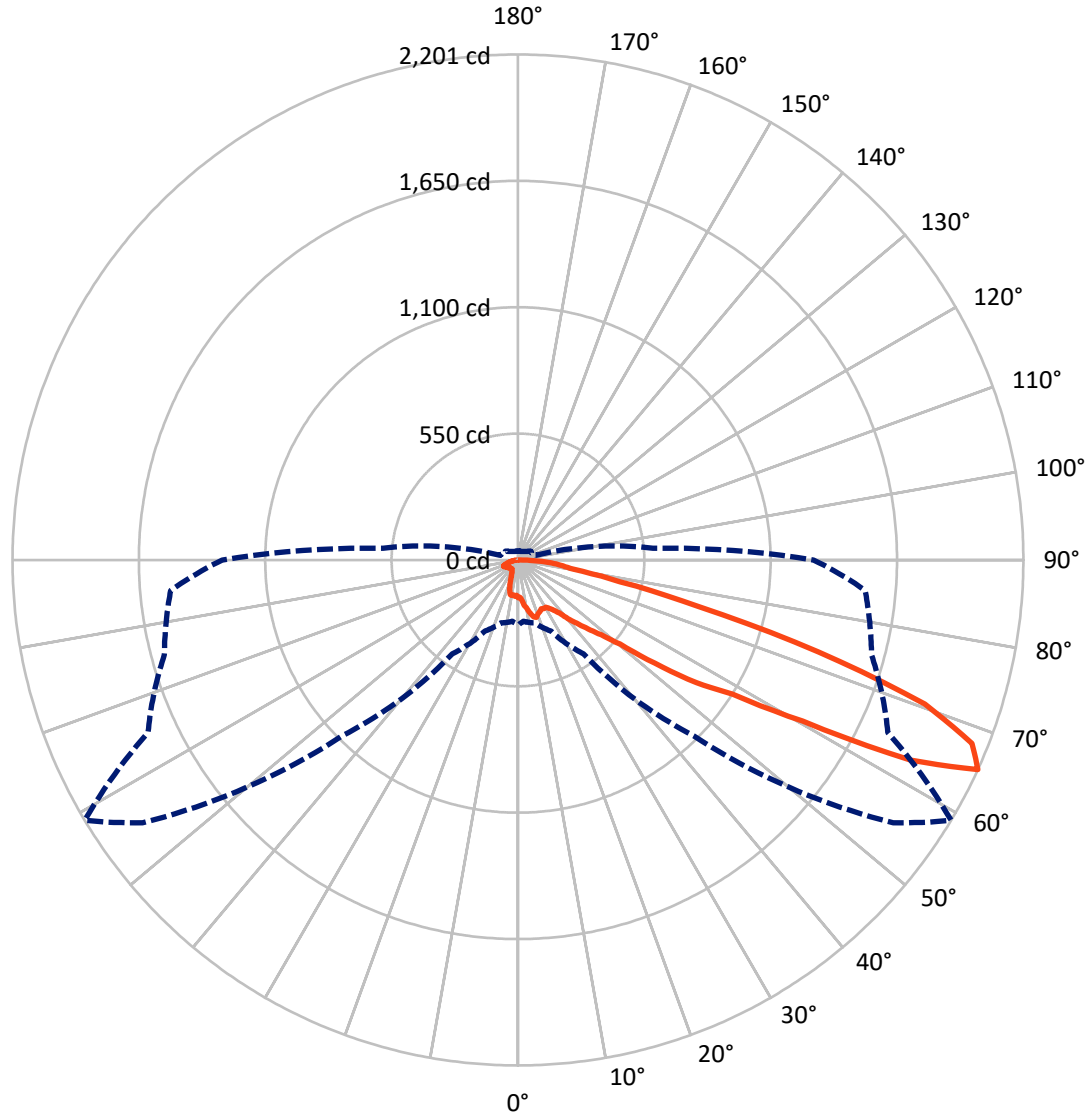
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.5 fc
 Type II - Short - N/A

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CATALOG NUMBER: PMM-SA2A-AMB-U-SL3

Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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 CATALOG NUMBER: PMM-SA2A-AMB-U-SL3

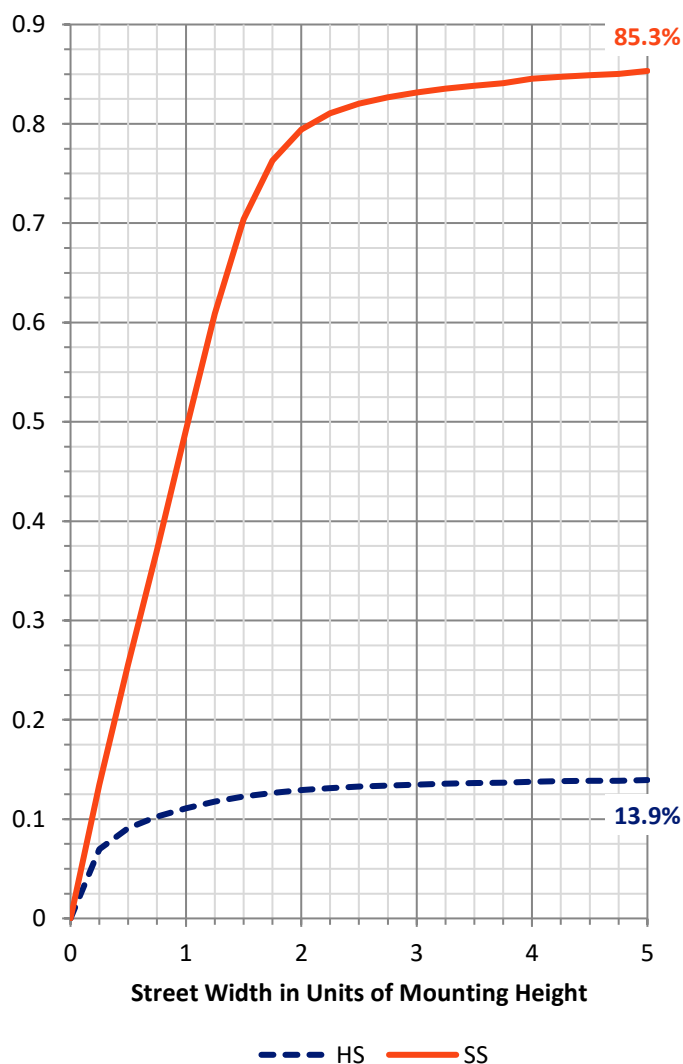
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	243.1	0.0	243.1
	% Fixture	14.1	0.0	14.1
Street Side	Lumens	1480.9	0.0	1480.9
	% Fixture	85.9	0.0	85.9
Total	Lumens	1724.0	0.0	1724.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.4	1.0
10°-20°	50.5	2.9
20°-30°	76.5	4.4
30°-40°	120.3	7.0
40°-50°	224.5	13.0
50°-60°	442.6	25.7
60°-70°	551.0	32.0
70°-80°	205.9	11.9
80°-90°	35.3	2.0
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°	1724.0	100.0
0°-180°	1724.0	100.0

Coefficient of Utilization

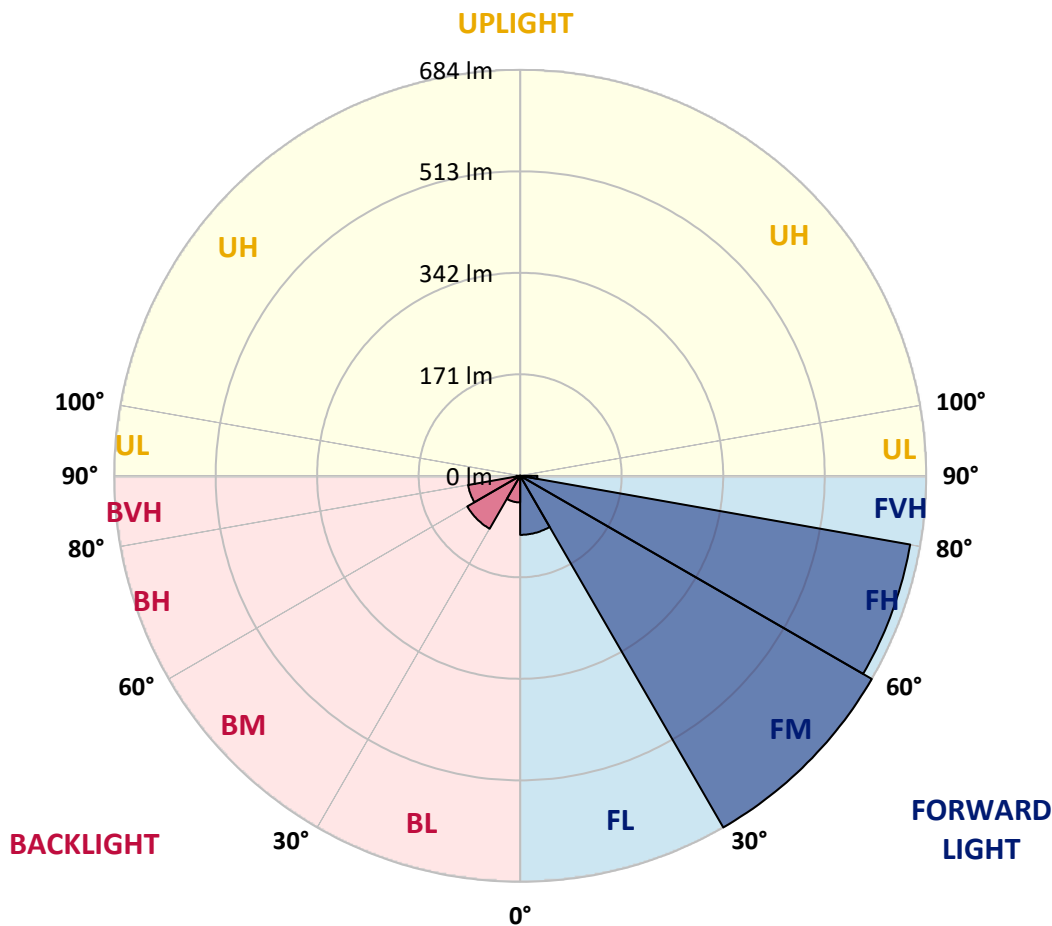


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	99.5	5.8			
FM (30°-60°)	684.5	39.7			
FH (60°-80°)	667.7	38.7			G1/1800
FVH (80°-90°)	29.2	1.7			G1/100
BL (0°-30°)	44.9	2.6	B0/110		
BM (30°-60°)	103.0	6.0	B0/220		
BH (60°-80°)	89.1	5.2	B0/110		G0/110
BVH (80°-90°)	6.2	0.4			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°	59°	65°	75°	85°
0°	165.2	165.2	165.2	165.2	165.2	165.2	165.2	165.2	165.2	165.2	165.2
2.5°	217.2	187.7	174.7	161.7	162.3	172.3	168.8	161.7	167.6	179.4	185.9
5°	241.9	210.1	213.0	190.0	168.8	163.5	165.2	174.7	191.2	227.8	223.1
7.5°	242.5	221.9	223.6	201.8	172.9	172.9	192.4	199.5	221.9	241.4	246.1
10°	211.3	204.8	201.2	186.5	195.3	207.1	210.1	214.8	226.0	250.2	245.5
12.5°	188.8	188.8	203.0	201.2	216.6	233.7	241.4	238.4	253.2	260.8	250.2
15°	190.6	192.4	196.5	205.9	219.5	240.8	253.7	256.7	266.1	279.7	259.6
17.5°	201.8	204.8	201.2	208.9	221.9	238.4	253.7	262.6	266.1	298.0	280.3
20°	213.6	214.2	208.3	199.5	216.0	229.0	249.0	250.2	262.0	300.4	289.7
22.5°	231.3	226.0	208.9	200.6	204.2	215.4	234.9	244.3	257.9	297.4	304.5
25°	241.4	237.8	223.1	212.4	208.3	213.6	227.8	235.5	262.6	316.9	303.3
27.5°	254.9	253.7	226.0	227.8	213.6	204.2	224.2	239.6	267.3	312.8	308.0
30°	277.3	277.3	244.3	240.2	226.6	205.9	231.9	238.4	269.1	324.0	321.6
32.5°	311.0	307.4	276.8	254.3	241.9	233.7	232.5	250.8	270.9	348.2	339.3
35°	341.1	342.3	303.9	284.4	261.4	246.1	258.5	268.5	291.5	378.8	355.8
37.5°	408.3	391.2	345.8	316.9	305.7	288.0	296.8	292.7	324.0	414.8	407.2
40°	451.4	434.3	394.8	369.4	330.5	334.0	324.6	335.2	354.1	466.8	470.9
42.5°	502.2	480.9	442.0	427.2	385.3	358.8	357.0	376.5	397.7	528.7	532.9
45°	542.9	512.8	485.7	475.6	463.8	428.4	421.9	427.2	454.4	603.1	607.2
47.5°	584.8	555.9	531.1	526.4	516.3	535.8	491.0	486.2	515.7	695.7	682.7
50°	662.7	619.0	599.5	583.0	609.6	640.3	595.4	574.8	588.3	786.0	791.9
52.5°	777.2	730.5	708.7	702.8	714.6	714.0	777.8	745.9	715.8	880.4	918.8
55°	803.7	763.6	753.6	796.6	866.3	849.2	970.7	942.4	899.3	1000.2	1076.9
57.5°	769.5	728.8	721.1	772.4	897.0	1077.5	1153.6	1101.7	1073.4	1179.0	1303.5
60°	589.5	553.5	575.9	679.8	871.6	1168.4	1468.8	1423.9	1297.0	1421.0	1536.6
62.5°	432.5	400.7	414.3	462.0	714.6	1206.2	1846.4	1919.0	1583.8	1583.2	1597.4
65°	283.2	267.9	283.8	341.1	498.0	1081.7	1994.5	2200.5	1776.8	1593.3	1517.1
67.5°	206.5	187.7	180.0	204.8	323.4	742.9	1926.1	2132.0	1847.6	1480.6	1274.6
70°	164.6	154.6	140.4	153.4	209.5	452.0	1560.2	1879.5	1596.8	1141.8	852.7
72.5°	134.5	122.7	117.4	128.1	181.8	238.4	975.4	1367.3	1167.8	757.7	512.8
75°	106.2	99.1	99.1	113.9	168.8	191.8	556.5	810.8	709.9	439.6	223.1
77.5°	79.7	73.8	77.3	98.0	155.8	183.5	280.9	454.4	356.4	185.3	81.4
80°	54.9	53.1	56.1	79.1	135.1	176.4	200.6	242.5	161.1	73.2	47.8
82.5°	32.5	30.1	37.8	56.1	99.1	160.5	179.4	185.9	99.1	40.1	30.1
85°	15.9	15.3	21.2	31.9	63.7	129.8	148.7	139.3	61.4	22.4	16.5
87.5°	2.4	3.5	4.1	7.1	14.2	31.9	48.4	51.9	20.7	7.1	4.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P595969
 CATALOG NUMBER: PMM-SA2A-AMB-U-SL3

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	165.2	165.2	165.2	165.2	165.2	165.2	165.2	165.2	165.2	165.2	165.2
2.5°	197.7	168.8	175.3	156.4	151.1	154.0	152.8	152.2	159.9	157.6	169.9
5°	241.4	214.8	202.4	174.1	148.7	135.1	142.2	155.2	172.3	172.9	190.6
7.5°	258.5	231.3	216.0	174.7	139.3	128.6	134.5	141.0	152.2	152.8	161.7
10°	241.4	228.4	203.6	164.0	149.9	137.5	121.0	109.8	110.9	109.8	110.3
12.5°	244.9	229.0	200.0	166.4	147.5	123.3	102.7	92.6	81.4	76.7	77.9
15°	247.3	234.3	200.6	162.9	128.6	104.4	84.4	72.0	65.5	62.0	61.4
17.5°	256.7	244.9	190.6	145.2	105.6	83.2	67.9	61.4	60.2	59.6	57.8
20°	265.5	239.0	172.9	116.8	86.2	66.7	59.6	56.1	56.6	59.0	58.4
22.5°	272.0	236.0	151.7	93.8	66.7	57.2	53.7	52.5	54.9	59.0	59.6
25°	272.0	230.7	129.8	77.9	57.2	50.7	50.2	51.3	54.3	58.4	58.4
27.5°	273.8	218.9	107.4	64.3	50.7	46.6	47.8	50.2	51.3	57.2	57.8
30°	268.5	217.2	91.5	56.6	47.2	44.3	46.0	47.8	50.2	55.5	56.1
32.5°	283.8	198.3	80.3	51.9	45.4	43.7	44.8	46.6	49.6	54.3	55.5
35°	292.1	195.3	72.6	49.6	44.8	43.1	44.3	46.0	49.6	54.3	54.9
37.5°	332.8	191.8	67.3	49.6	45.4	43.7	44.3	46.0	50.2	54.3	56.1
40°	377.7	195.3	64.9	50.2	45.4	44.8	44.8	46.6	50.2	54.9	56.6
42.5°	427.2	202.4	64.9	50.7	46.6	44.8	44.8	47.2	50.7	55.5	57.2
45°	483.9	211.8	64.3	51.9	47.2	46.6	45.4	47.8	50.7	55.5	57.8
47.5°	551.2	229.0	66.1	51.9	48.4	47.8	47.2	47.8	50.7	55.5	58.4
50°	629.6	262.6	67.3	53.1	51.3	49.6	47.8	48.4	50.7	55.5	57.8
52.5°	752.4	328.1	69.6	54.9	53.1	50.7	49.0	48.4	50.2	53.7	56.1
55°	909.3	433.1	73.8	57.2	54.9	52.5	50.2	47.8	49.0	51.3	54.3
57.5°	1148.9	580.7	79.1	59.0	55.5	53.1	49.6	46.6	46.6	49.0	50.7
60°	1341.3	689.2	82.0	60.8	57.8	52.5	48.4	44.8	44.3	45.4	47.2
62.5°	1375.5	670.9	83.8	64.3	61.4	52.5	46.6	42.5	41.3	42.5	43.7
65°	1287.0	589.5	81.4	67.3	66.1	51.9	45.4	40.7	38.9	39.5	40.1
67.5°	1070.4	460.9	73.8	68.5	67.3	50.2	44.3	38.9	36.6	36.6	37.2
70°	718.7	322.8	66.1	65.5	61.4	46.0	41.3	36.6	34.2	34.2	34.2
72.5°	416.6	191.2	58.4	58.4	51.3	40.7	37.8	34.2	31.9	31.3	31.9
75°	184.1	86.2	49.0	48.4	40.1	33.6	33.6	31.9	29.5	28.3	28.3
77.5°	70.8	49.6	36.6	37.2	32.5	28.9	28.9	27.7	26.0	24.8	24.8
80°	47.2	35.4	28.3	27.7	24.2	21.8	23.6	23.0	21.2	20.1	19.5
82.5°	28.3	24.2	21.2	18.9	17.7	14.8	17.1	15.9	15.3	13.6	13.0
85°	15.3	14.2	13.0	11.8	10.6	7.1	9.4	9.4	9.4	8.9	7.7
87.5°	3.5	5.3	5.3	5.3	4.1	2.4	4.1	4.7	4.7	4.7	3.0
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)