

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: P588609

Luminaire Tested: **ARC-CA6-130-760-U-33-6-5-X-GHSS**

Issue Date: 11/30/2021

Test Information

Test Method: LM-79-08
Report Number: P588609
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2109-372-16)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 11/30/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: ARC-CA6-130-760-U-33-6-5-X-GHSS
Description: GENERATIONS SERIES AVENUE WITH AVENUE CAGE, TYPE III REFRACTOR AND HOUSE SIDE SHIELD
Light Source: (3) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5339 lumens
Efficiency: N/A
Efficacy: 85.3 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1.33' x H: 0.92')
IES Classification: Type III - Short - Non-Cutoff
BUG Rating: B1 - U0 - G3

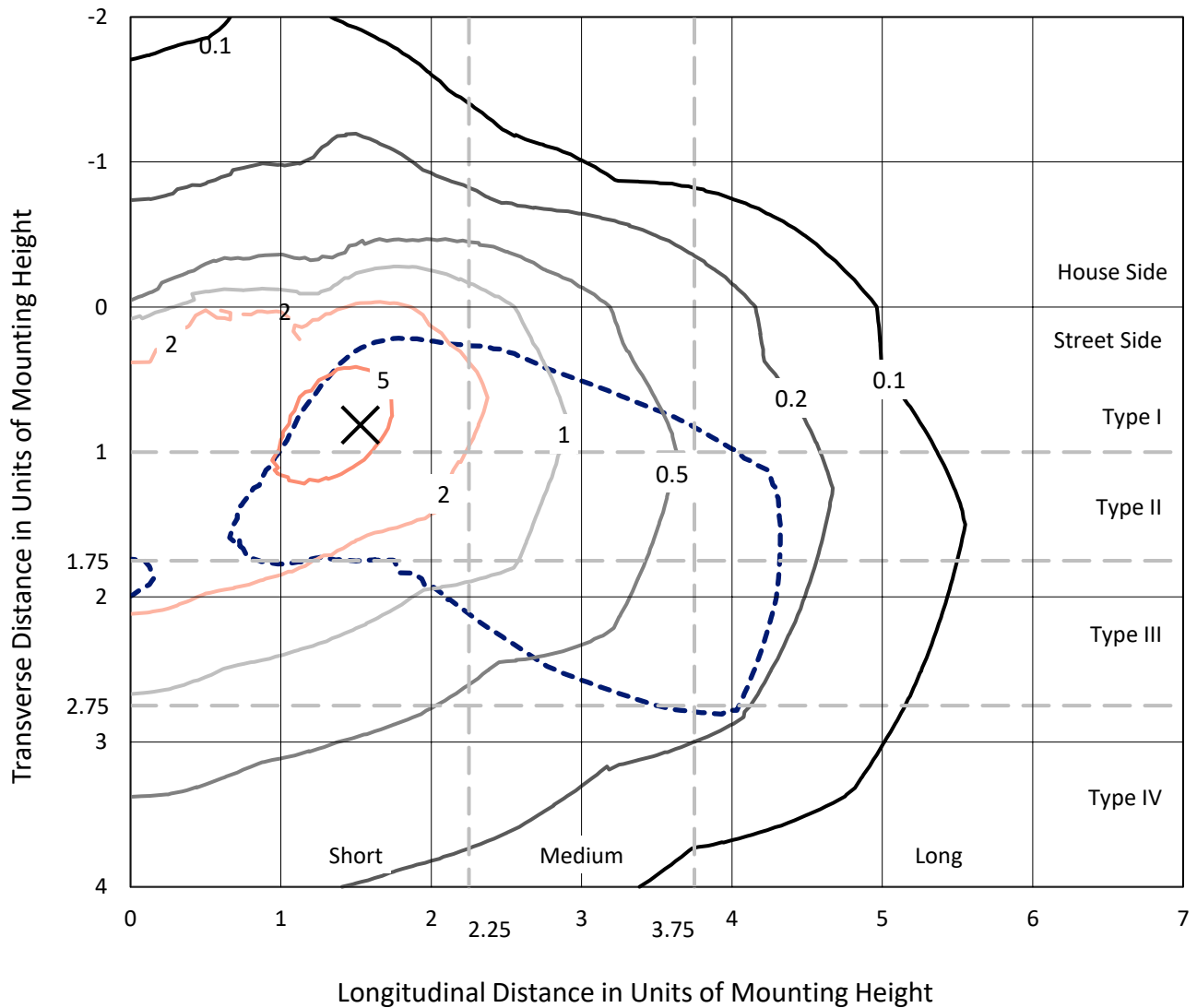
Input Watts (W): 62.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

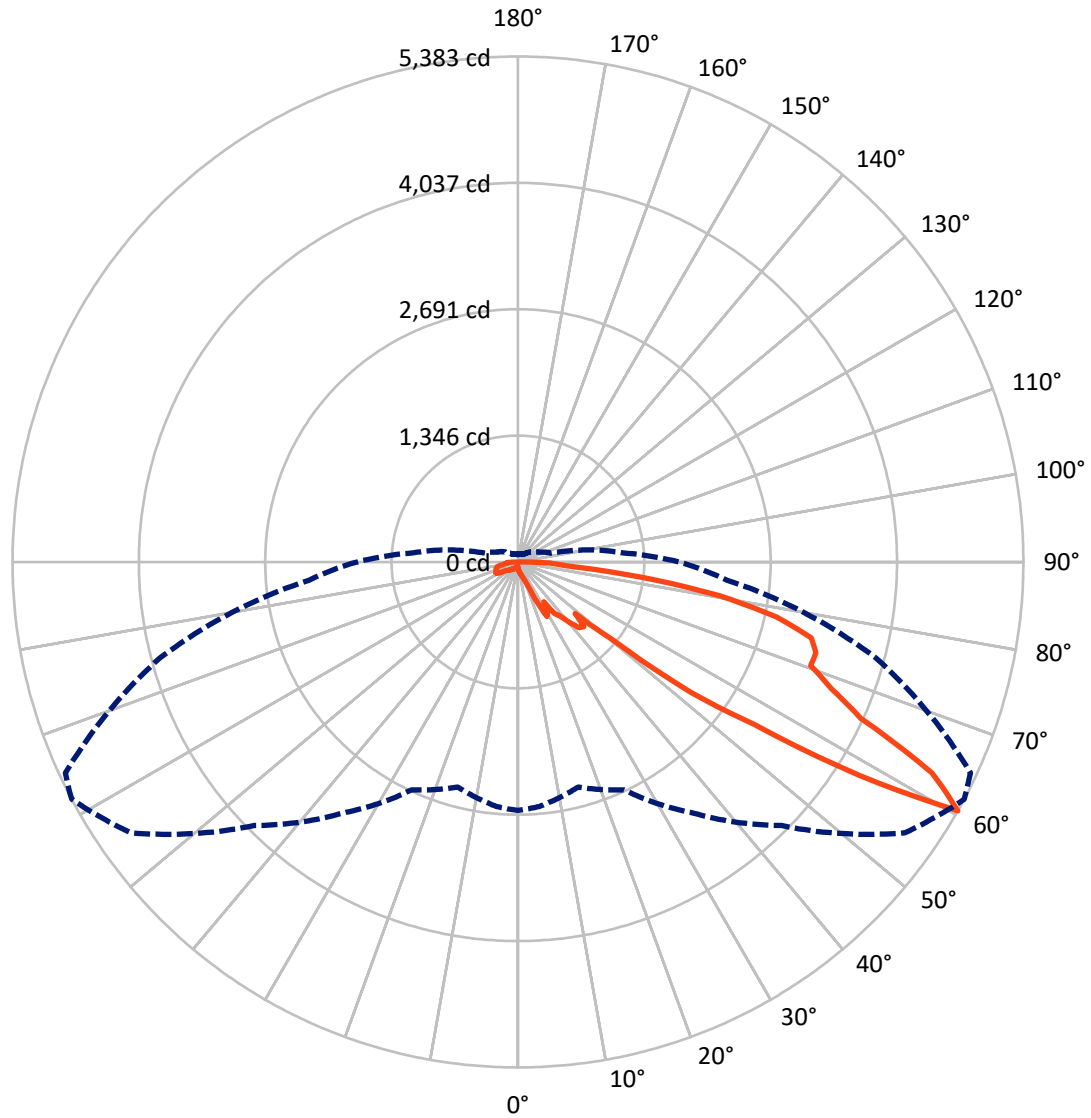
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.7 fc
 Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 62-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

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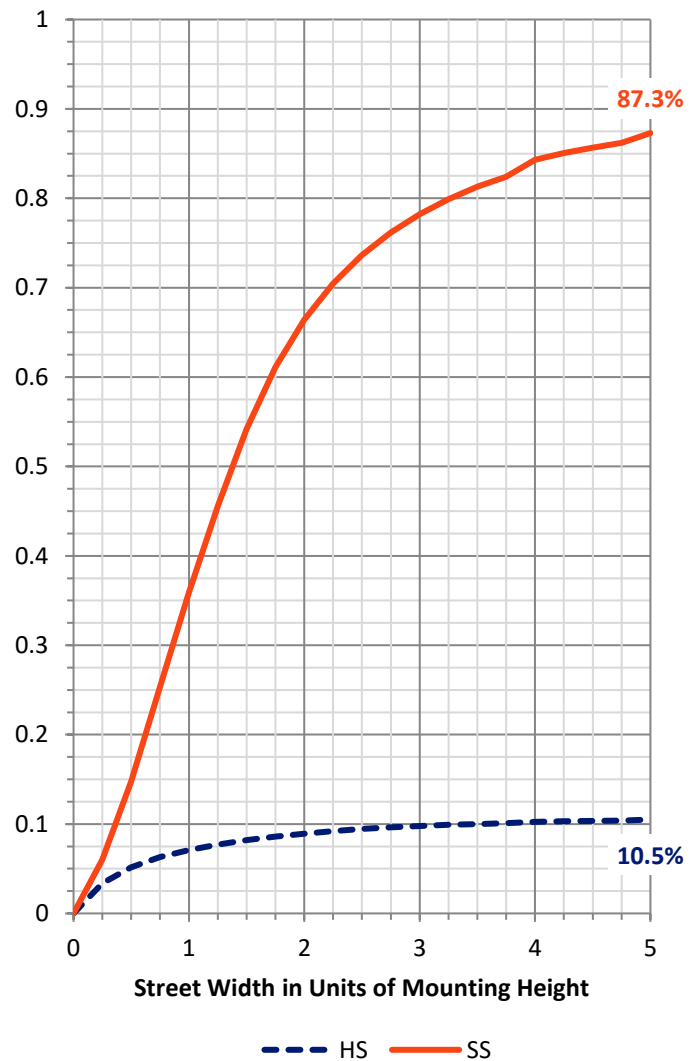
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	582.8	0.0	582.8
	% Fixture	10.9	0.0	10.9
Street Side	Lumens	4756.2	0.0	4756.2
	% Fixture	89.1	0.0	89.1
Total	Lumens	5339.0	0.0	5339.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.2	0.1
10°-20°	30.3	0.6
20°-30°	113.2	2.1
30°-40°	223.7	4.2
40°-50°	387.1	7.3
50°-60°	1146.4	21.5
60°-70°	1693.6	31.7
70°-80°	1358.4	25.4
80°-90°	379.0	7.1
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°	5339.0	100.0
0°-180°	5339.0	100.0

Coefficient of Utilization



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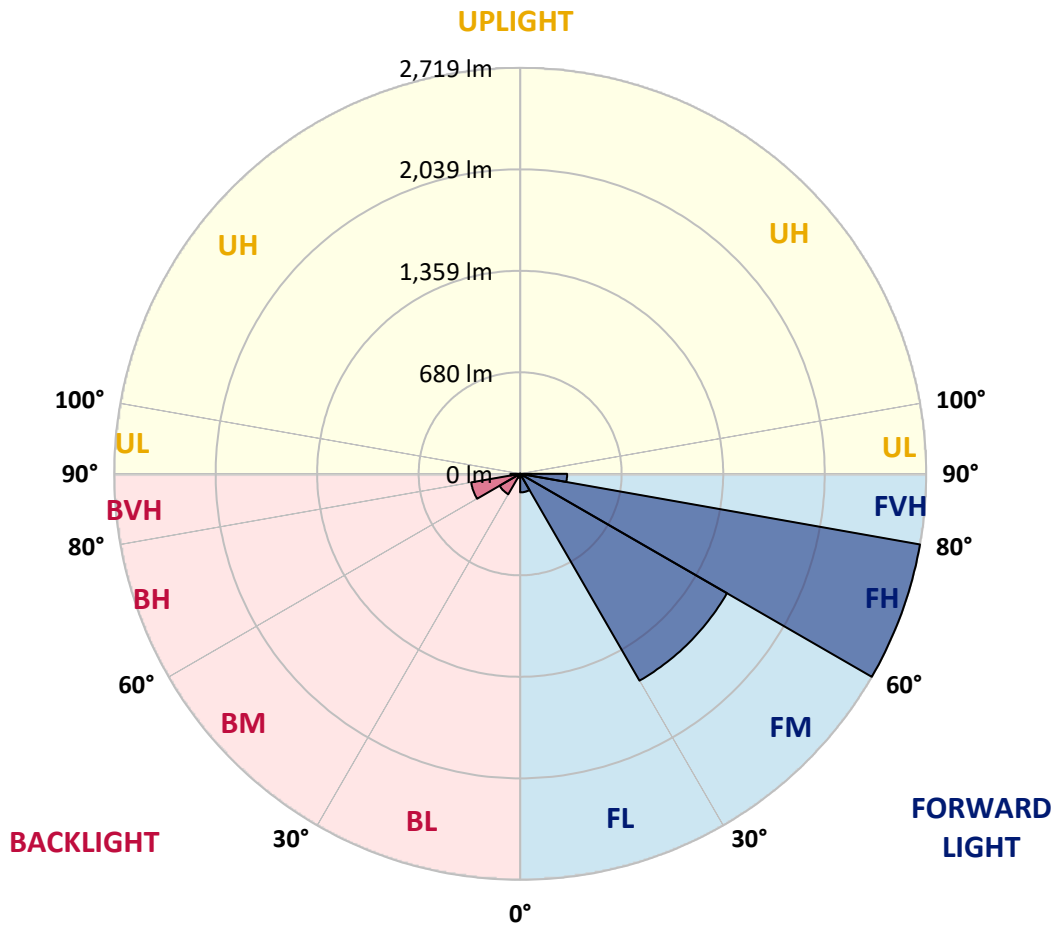
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	124.7	2.3			
FM (30°-60°)	1598.8	29.9			
FH (60°-80°)	2718.6	50.9			G2/5000
FVH (80°-90°)	314.1	5.9			G3/500
BL (0°-30°)	26.0	0.5	B0/110		
BM (30°-60°)	158.4	3.0	B0/220		
BH (60°-80°)	333.4	6.2	B1/500		G1/500
BVH (80°-90°)	65.0	1.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G3

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	62°	65°	75°	85°
0°	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
2.5°	89.4	88.0	85.1	82.2	80.8	79.3	77.9	76.4	75.0	70.7	67.8
5°	109.6	108.2	105.3	101.0	96.6	93.8	92.3	90.9	88.0	83.7	76.4
7.5°	124.0	124.0	124.0	121.2	116.8	111.1	106.7	103.9	101.0	95.2	88.0
10°	141.4	139.9	139.9	135.6	131.3	126.9	124.0	121.2	118.3	109.6	98.1
12.5°	154.3	152.9	151.4	147.1	145.7	141.4	139.9	134.1	131.3	121.2	106.7
15°	168.8	167.3	164.4	163.0	158.7	155.8	157.2	155.8	152.9	139.9	118.3
17.5°	184.6	183.2	181.7	181.7	181.7	178.9	177.4	174.5	171.6	151.4	125.5
20°	216.4	212.0	207.7	204.8	210.6	212.0	212.0	209.1	209.1	174.5	144.2
22.5°	275.5	271.2	268.3	246.6	255.3	295.7	308.7	294.2	297.1	229.3	158.7
25°	432.7	418.3	411.1	414.0	438.5	483.2	490.4	473.1	481.8	356.3	253.9
27.5°	506.3	509.2	565.4	623.1	630.3	653.4	692.3	656.3	637.5	455.8	317.3
30°	516.4	522.1	626.0	672.1	654.8	643.3	729.8	624.5	592.8	431.3	349.1
32.5°	476.0	501.9	613.0	631.8	591.4	527.9	591.4	503.4	493.3	375.0	331.7
35°	552.4	565.4	615.9	543.8	530.8	608.7	771.7	676.5	653.4	463.0	318.8
37.5°	669.3	664.9	761.6	817.8	797.6	718.3	803.4	731.3	712.5	582.7	455.8
40°	817.8	807.7	924.6	950.5	931.8	927.4	1039.9	846.7	810.6	650.5	540.9
42.5°	859.7	862.5	937.5	1001.0	986.6	985.1	1153.9	954.8	900.0	657.7	594.3
45°	878.4	894.3	1038.5	999.6	1014.0	988.0	1138.0	983.7	937.5	731.3	699.6
47.5°	763.0	771.7	970.7	972.2	789.0	794.7	928.9	819.3	786.1	572.6	602.9
50°	985.1	983.7	1055.8	998.1	914.5	1058.7	1329.9	1288.0	1263.5	859.7	669.3
52.5°	1425.1	1409.2	1518.8	1609.7	1592.4	1925.6	2329.4	2312.1	2224.1	1686.1	1057.3
55°	1875.1	1867.9	1989.0	2309.2	2463.6	2776.6	3168.9	3059.3	3026.1	2483.8	1661.6
57.5°	2245.8	2247.2	2286.2	2561.7	2876.1	3481.9	4161.2	4289.6	4221.8	3206.4	2019.3
60°	2645.3	2613.6	2480.9	2677.0	3265.5	3969.4	5029.5	5382.9	5318.0	3944.9	2235.7
62.5°	2672.7	2641.0	2414.5	2613.6	3063.6	3711.2	4663.2	4950.2	5025.2	4145.4	2300.6
65°	2551.6	2512.6	2232.8	2381.4	2564.5	2956.9	4123.7	4009.8	4118.0	4083.4	2299.1
67.5°	2417.4	2385.7	2123.2	2247.2	2388.6	2651.1	3881.4	3597.3	3708.3	3841.0	2407.3
70°	2281.8	2237.1	2025.1	2159.2	2333.8	2511.2	3574.2	3307.4	3278.5	3254.0	2299.1
72.5°	2258.8	2224.1	1999.1	2092.9	2290.5	2421.7	3523.7	3318.9	3290.0	3138.6	2103.0
75°	2082.8	2079.9	1863.5	1951.5	2189.5	2271.7	3383.8	3226.6	3166.0	2971.3	1850.6
77.5°	1681.8	1660.2	1503.0	1595.3	1810.2	1924.1	2912.1	2809.7	2775.1	2593.4	1530.4
80°	1130.8	1112.1	1044.3	1097.6	1298.1	1397.7	2185.2	2176.5	2150.6	2030.9	1130.8
82.5°	643.3	675.0	611.6	636.1	705.3	827.9	1358.7	1299.6	1280.8	1195.7	641.9
85°	362.0	354.8	330.3	327.4	382.2	376.5	587.0	503.4	523.6	452.9	305.8
87.5°	261.1	266.8	240.9	240.9	266.8	264.0	369.2	347.6	344.7	323.1	219.2
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°	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
2.5°	66.3	64.9	60.6	56.3	49.0	41.8	37.5	40.4	41.8	43.3	43.3
5°	72.1	69.2	60.6	51.9	43.3	36.1	30.3	27.4	27.4	28.8	28.8
7.5°	85.1	80.8	69.2	59.1	47.6	40.4	33.2	28.8	26.0	26.0	26.0
10°	92.3	88.0	75.0	63.5	51.9	43.3	36.1	30.3	27.4	26.0	26.0
12.5°	99.5	93.8	80.8	67.8	54.8	44.7	37.5	31.7	30.3	30.3	30.3
15°	108.2	99.5	83.7	69.2	56.3	46.2	37.5	33.2	31.7	31.7	31.7
17.5°	116.8	108.2	89.4	70.7	57.7	46.2	38.9	33.2	31.7	33.2	33.2
20°	131.3	115.4	89.4	72.1	57.7	46.2	38.9	33.2	33.2	33.2	33.2
22.5°	138.5	125.5	95.2	73.6	59.1	47.6	38.9	33.2	33.2	33.2	33.2
25°	213.5	158.7	99.5	76.4	60.6	49.0	38.9	34.6	33.2	34.6	34.6
27.5°	268.3	223.6	113.9	80.8	62.0	50.5	40.4	34.6	34.6	36.1	36.1
30°	298.6	255.3	124.0	88.0	66.3	51.9	41.8	36.1	36.1	36.1	36.1
32.5°	284.1	230.8	125.5	96.6	73.6	54.8	43.3	37.5	37.5	37.5	37.5
35°	246.6	190.4	122.6	98.1	77.9	60.6	46.2	38.9	38.9	37.5	37.5
37.5°	344.7	239.4	126.9	98.1	80.8	64.9	50.5	41.8	40.4	38.9	38.9
40°	408.2	266.8	139.9	105.3	80.8	66.3	53.4	46.2	43.3	41.8	40.4
42.5°	452.9	292.8	150.0	115.4	89.4	69.2	54.8	50.5	46.2	43.3	43.3
45°	517.8	310.1	163.0	126.9	98.1	76.4	59.1	51.9	50.5	47.6	46.2
47.5°	473.1	315.9	176.0	139.9	108.2	83.7	64.9	56.3	54.8	51.9	50.5
50°	486.1	307.2	180.3	148.6	118.3	89.4	70.7	62.0	59.1	56.3	56.3
52.5°	663.5	406.7	197.6	152.9	122.6	98.1	76.4	67.8	64.9	62.0	62.0
55°	1083.2	623.1	243.8	168.8	126.9	101.0	82.2	75.0	70.7	67.8	66.3
57.5°	1415.0	879.8	308.7	206.3	151.4	106.7	85.1	82.2	79.3	73.6	72.1
60°	1716.4	1115.0	363.5	248.1	190.4	138.5	98.1	90.9	89.4	80.8	77.9
62.5°	1961.6	1309.7	408.2	271.2	217.8	178.9	134.1	112.5	101.0	90.9	88.0
65°	2051.1	1374.6	425.5	275.5	225.0	199.0	168.8	152.9	119.7	103.9	101.0
67.5°	2085.7	1360.2	434.2	266.8	219.2	199.0	177.4	178.9	145.7	115.4	111.1
70°	2017.9	1303.9	429.8	258.2	210.6	193.3	173.1	167.3	151.4	124.0	118.3
72.5°	1865.0	1252.0	428.4	256.7	207.7	186.1	160.1	142.8	129.8	122.6	119.7
75°	1712.1	1217.4	422.6	255.3	203.4	176.0	145.7	124.0	106.7	108.2	111.1
77.5°	1453.9	1074.6	390.9	236.5	183.2	152.9	125.5	109.6	96.6	95.2	95.2
80°	1099.1	797.6	320.2	197.6	150.0	124.0	103.9	98.1	90.9	88.0	86.5
82.5°	608.7	419.7	206.3	147.1	118.3	96.6	88.0	88.0	83.7	79.3	79.3
85°	278.4	235.1	152.9	122.6	101.0	83.7	76.4	76.4	72.1	67.8	66.3
87.5°	216.4	186.1	129.8	113.9	98.1	82.2	73.6	73.6	69.2	66.3	66.3
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)