

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: P588575

Luminaire Tested: **ARC-CA6-110-722-U-33-6-5-X-GHSS**

Issue Date: 11/30/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P588575  
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-CA6-110-722-U-33-6-5-X-GHSS  
Description: GENERATIONS SERIES AVENUE WITH AVENUE CAGE, TYPE III REFRACTOR AND HOUSE SIDE SHIELD  
Light Source: (3) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

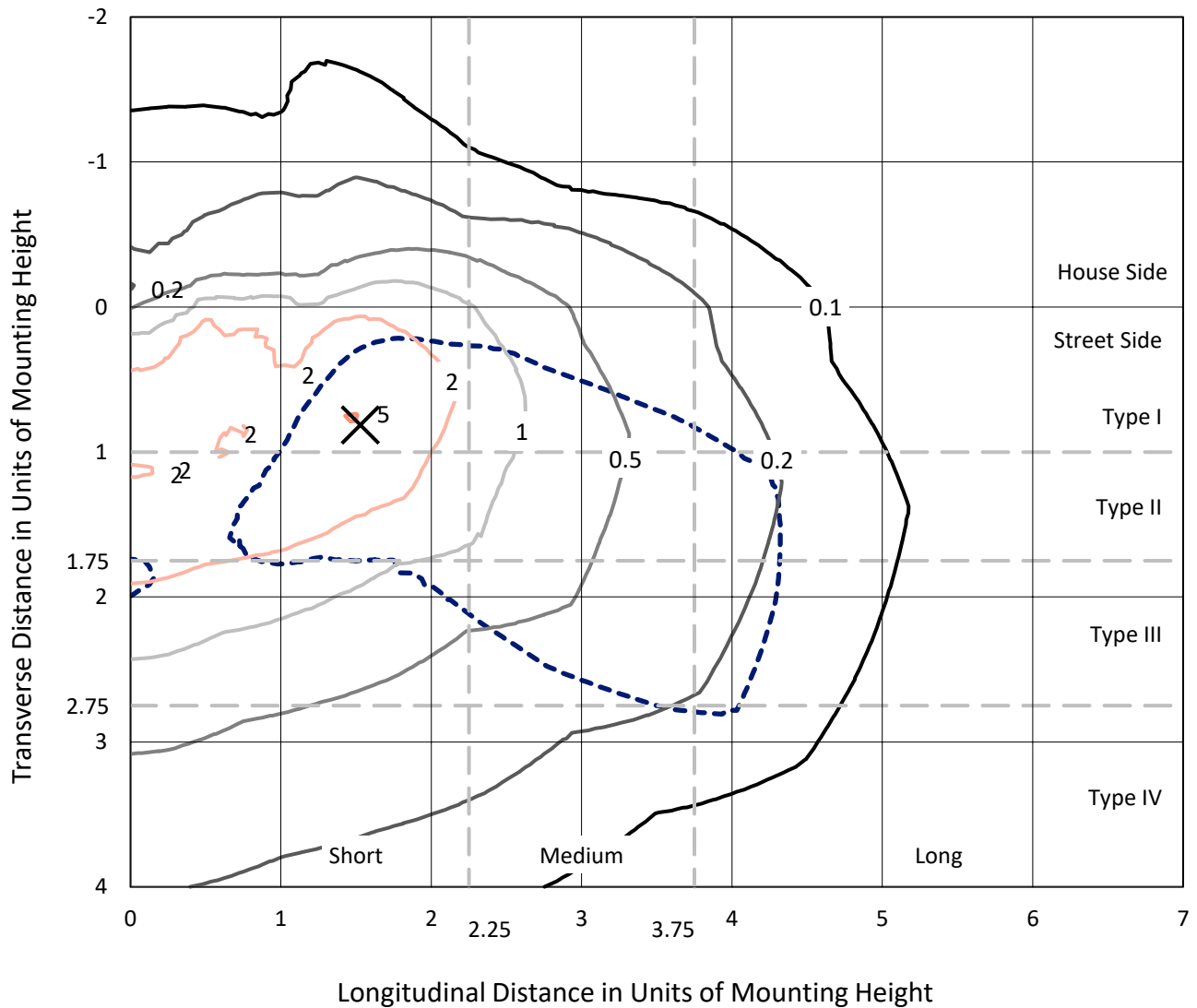
Lumens per Lamp: N/A  
Luminaire Lumens: 4007 lumens  
Efficiency: N/A  
Efficacy: 70.9 lumens/watt  
Luminous Opening: Vertical Cylinder (Dia: 1.33' x H: 0.92')  
IES Classification: Type III - Short - Non-Cutoff  
BUG Rating: B1 - U0 - G3  
  
Input Watts (W): 56.5  
Input Voltage (V): 120  
Input 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

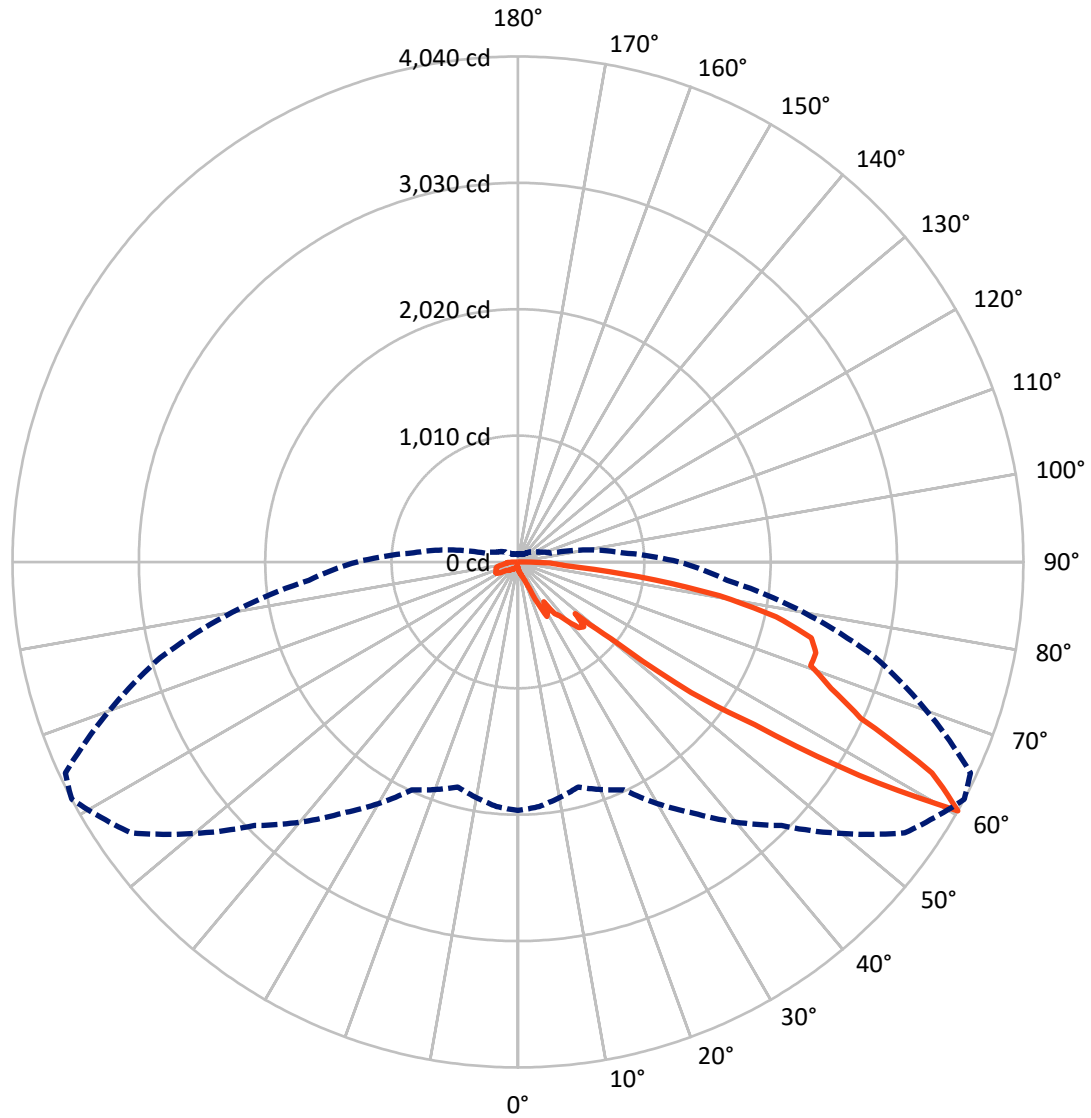
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5 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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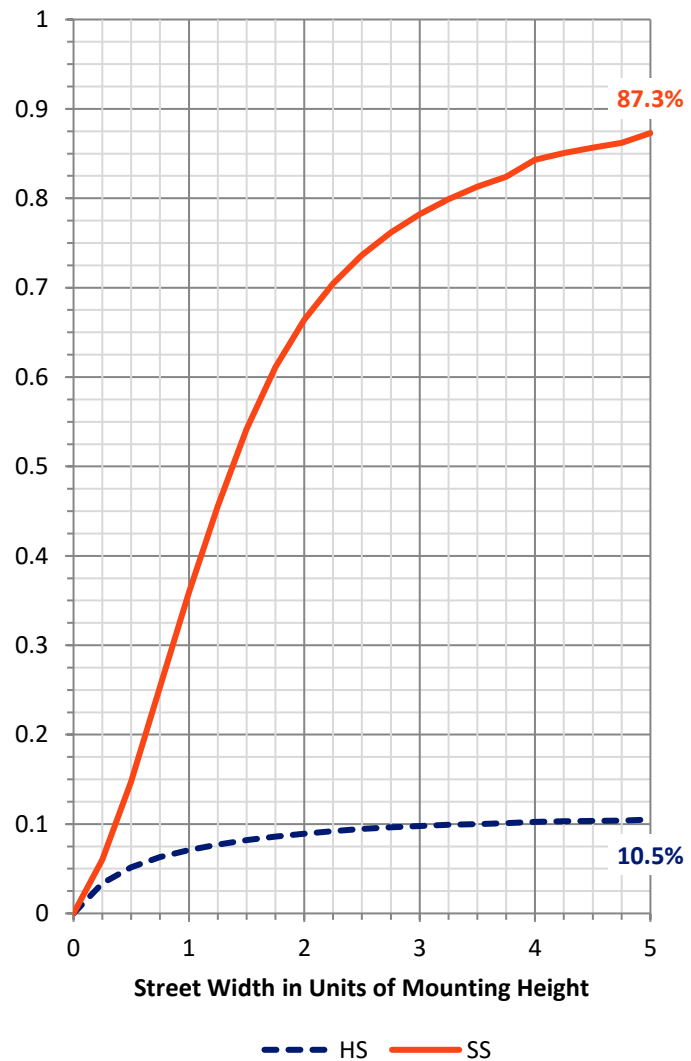
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	437.4	0.0	437.4
	% Fixture	10.9	0.0	10.9
<b>Street Side</b>	Lumens	3569.6	0.0	3569.6
	% Fixture	89.1	0.0	89.1
<b>Total</b>	Lumens	4007.0	0.0	4007.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	5.4	0.1
10°-20°	22.8	0.6
20°-30°	85.0	2.1
30°-40°	167.9	4.2
40°-50°	290.5	7.3
50°-60°	860.4	21.5
60°-70°	1271.1	31.7
70°-80°	1019.5	25.4
80°-90°	284.5	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°	4007.0	100.0
0°-180°	4007.0	100.0



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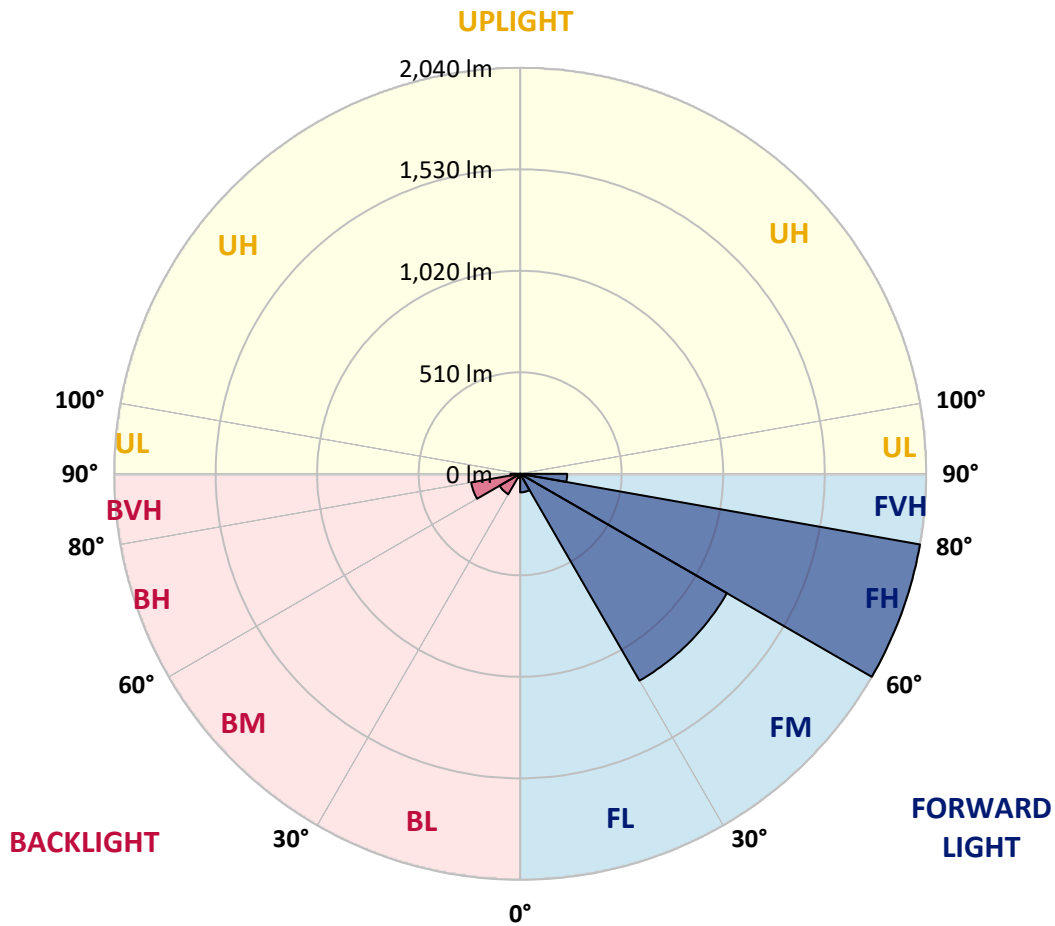
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	93.6	2.3			
FM (30°-60°)	1199.9	29.9			
FH (60°-80°)	2040.4	50.9			G2/5000
FVH (80°-90°)	235.7	5.9			G3/500
BL (0°-30°)	19.5	0.5	B0/110		
BM (30°-60°)	118.9	3.0	B0/220		
BH (60°-80°)	250.2	6.2	B1/500		G1/500
BVH (80°-90°)	48.8	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°	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
2.5°	67.1	66.0	63.9	61.7	60.6	59.5	58.5	57.4	56.3	53.0	50.9
5°	82.3	81.2	79.0	75.8	72.5	70.4	69.3	68.2	66.0	62.8	57.4
7.5°	93.1	93.1	93.1	90.9	87.7	83.4	80.1	77.9	75.8	71.4	66.0
10°	106.1	105.0	105.0	101.8	98.5	95.3	93.1	90.9	88.8	82.3	73.6
12.5°	115.8	114.7	113.7	110.4	109.3	106.1	105.0	100.7	98.5	90.9	80.1
15°	126.7	125.6	123.4	122.3	119.1	116.9	118.0	116.9	114.7	105.0	88.8
17.5°	138.6	137.5	136.4	136.4	136.4	134.2	133.2	131.0	128.8	113.7	94.2
20°	162.4	159.1	155.9	153.7	158.0	159.1	159.1	157.0	157.0	131.0	108.3
22.5°	206.8	203.5	201.3	185.1	191.6	221.9	231.7	220.8	223.0	172.1	119.1
25°	324.8	313.9	308.5	310.7	329.1	362.6	368.1	355.1	361.6	267.4	190.5
27.5°	380.0	382.1	424.3	467.6	473.1	490.4	519.6	492.5	478.5	342.1	238.2
30°	387.5	391.9	469.8	504.5	491.5	482.8	547.8	468.7	444.9	323.7	262.0
32.5°	357.2	376.7	460.1	474.1	443.8	396.2	443.8	377.8	370.2	281.5	249.0
35°	414.6	424.3	462.2	408.1	398.4	456.8	579.1	507.7	490.4	347.5	239.2
37.5°	502.3	499.0	571.6	613.8	598.6	539.1	603.0	548.8	534.8	437.3	342.1
40°	613.8	606.2	693.9	713.4	699.3	696.1	780.5	635.4	608.4	488.2	405.9
42.5°	645.2	647.3	703.6	751.3	740.4	739.4	866.0	716.6	675.5	493.6	446.0
45°	659.3	671.2	779.4	750.2	761.0	741.5	854.1	738.3	703.6	548.8	525.0
47.5°	572.7	579.1	728.5	729.6	592.1	596.5	697.1	614.9	590.0	429.8	452.5
50°	739.4	738.3	792.4	749.1	686.3	794.6	998.1	966.7	948.3	645.2	502.3
52.5°	1069.5	1057.6	1139.9	1208.1	1195.1	1445.2	1748.3	1735.3	1669.2	1265.5	793.5
55°	1407.3	1401.9	1492.8	1733.1	1848.9	2083.9	2378.3	2296.0	2271.1	1864.1	1247.1
57.5°	1685.5	1686.6	1715.8	1922.6	2158.5	2613.2	3123.1	3219.4	3168.5	2406.4	1515.5
60°	1985.3	1961.5	1861.9	2009.2	2450.8	2979.1	3774.8	4040.0	3991.3	2960.7	1677.9
62.5°	2005.9	1982.1	1812.1	1961.5	2299.3	2785.3	3499.8	3715.2	3771.5	3111.2	1726.6
65°	1915.0	1885.8	1675.7	1787.2	1924.7	2219.2	3094.9	3009.4	3090.6	3064.6	1725.5
67.5°	1814.3	1790.5	1593.5	1686.6	1792.7	1989.7	2913.1	2699.8	2783.2	2882.8	1806.7
70°	1712.5	1679.0	1519.9	1620.5	1751.5	1884.7	2682.5	2482.2	2460.6	2442.2	1725.5
72.5°	1695.2	1669.2	1500.4	1570.7	1719.0	1817.6	2644.6	2490.9	2469.2	2355.6	1578.3
75°	1563.2	1561.0	1398.6	1464.7	1643.3	1705.0	2539.6	2421.6	2376.1	2230.0	1388.9
77.5°	1262.2	1246.0	1128.0	1197.3	1358.6	1444.1	2185.6	2108.8	2082.8	1946.4	1148.6
80°	848.7	834.6	783.7	823.8	974.3	1049.0	1640.0	1633.5	1614.0	1524.2	848.7
82.5°	482.8	506.6	459.0	477.4	529.4	621.4	1019.7	975.4	961.3	897.4	481.7
85°	271.7	266.3	247.9	245.7	286.9	282.5	440.6	377.8	393.0	339.9	229.5
87.5°	195.9	200.3	180.8	180.8	200.3	198.1	277.1	260.9	258.7	242.5	164.5
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°	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
2.5°	49.8	48.7	45.5	42.2	36.8	31.4	28.1	30.3	31.4	32.5	32.5
5°	54.1	52.0	45.5	39.0	32.5	27.1	22.7	20.6	20.6	21.7	21.7
7.5°	63.9	60.6	52.0	44.4	35.7	30.3	24.9	21.7	19.5	19.5	19.5
10°	69.3	66.0	56.3	47.6	39.0	32.5	27.1	22.7	20.6	19.5	19.5
12.5°	74.7	70.4	60.6	50.9	41.1	33.6	28.1	23.8	22.7	22.7	22.7
15°	81.2	74.7	62.8	52.0	42.2	34.6	28.1	24.9	23.8	23.8	23.8
17.5°	87.7	81.2	67.1	53.0	43.3	34.6	29.2	24.9	23.8	24.9	24.9
20°	98.5	86.6	67.1	54.1	43.3	34.6	29.2	24.9	24.9	24.9	24.9
22.5°	103.9	94.2	71.4	55.2	44.4	35.7	29.2	24.9	24.9	24.9	24.9
25°	160.2	119.1	74.7	57.4	45.5	36.8	29.2	26.0	24.9	26.0	26.0
27.5°	201.3	167.8	85.5	60.6	46.5	37.9	30.3	26.0	26.0	27.1	27.1
30°	224.1	191.6	93.1	66.0	49.8	39.0	31.4	27.1	27.1	27.1	27.1
32.5°	213.3	173.2	94.2	72.5	55.2	41.1	32.5	28.1	28.1	28.1	28.1
35°	185.1	142.9	92.0	73.6	58.5	45.5	34.6	29.2	29.2	28.1	28.1
37.5°	258.7	179.7	95.3	73.6	60.6	48.7	37.9	31.4	30.3	29.2	29.2
40°	306.4	200.3	105.0	79.0	60.6	49.8	40.1	34.6	32.5	31.4	30.3
42.5°	339.9	219.8	112.6	86.6	67.1	52.0	41.1	37.9	34.6	32.5	32.5
45°	388.6	232.7	122.3	95.3	73.6	57.4	44.4	39.0	37.9	35.7	34.6
47.5°	355.1	237.1	132.1	105.0	81.2	62.8	48.7	42.2	41.1	39.0	37.9
50°	364.8	230.6	135.3	111.5	88.8	67.1	53.0	46.5	44.4	42.2	42.2
52.5°	498.0	305.3	148.3	114.7	92.0	73.6	57.4	50.9	48.7	46.5	46.5
55°	813.0	467.6	182.9	126.7	95.3	75.8	61.7	56.3	53.0	50.9	49.8
57.5°	1062.0	660.3	231.7	154.8	113.7	80.1	63.9	61.7	59.5	55.2	54.1
60°	1288.2	836.8	272.8	186.2	142.9	103.9	73.6	68.2	67.1	60.6	58.5
62.5°	1472.2	982.9	306.4	203.5	163.5	134.2	100.7	84.4	75.8	68.2	66.0
65°	1539.3	1031.6	319.3	206.8	168.9	149.4	126.7	114.7	89.8	77.9	75.8
67.5°	1565.3	1020.8	325.8	200.3	164.5	149.4	133.2	134.2	109.3	86.6	83.4
70°	1514.4	978.6	322.6	193.8	158.0	145.1	129.9	125.6	113.7	93.1	88.8
72.5°	1399.7	939.6	321.5	192.7	155.9	139.6	120.2	107.2	97.4	92.0	89.8
75°	1285.0	913.6	317.2	191.6	152.6	132.1	109.3	93.1	80.1	81.2	83.4
77.5°	1091.2	806.5	293.4	177.5	137.5	114.7	94.2	82.3	72.5	71.4	71.4
80°	824.9	598.6	240.3	148.3	112.6	93.1	77.9	73.6	68.2	66.0	65.0
82.5°	456.8	315.0	154.8	110.4	88.8	72.5	66.0	66.0	62.8	59.5	59.5
85°	208.9	176.5	114.7	92.0	75.8	62.8	57.4	57.4	54.1	50.9	49.8
87.5°	162.4	139.6	97.4	85.5	73.6	61.7	55.2	55.2	52.0	49.8	49.8
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)