

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: P588393

Luminaire Tested: **ARC-CA6-110-760-U-55-6-5-X**

Issue Date: 11/30/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P588393  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2107-308-16)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 11/30/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: ARC-CA6-110-760-U-55-6-5-X  
Description: GENERATIONS SERIES AVENUE WITH AVENUE CAGE AND TYPE V REFRACTOR  
Light Source: (6) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

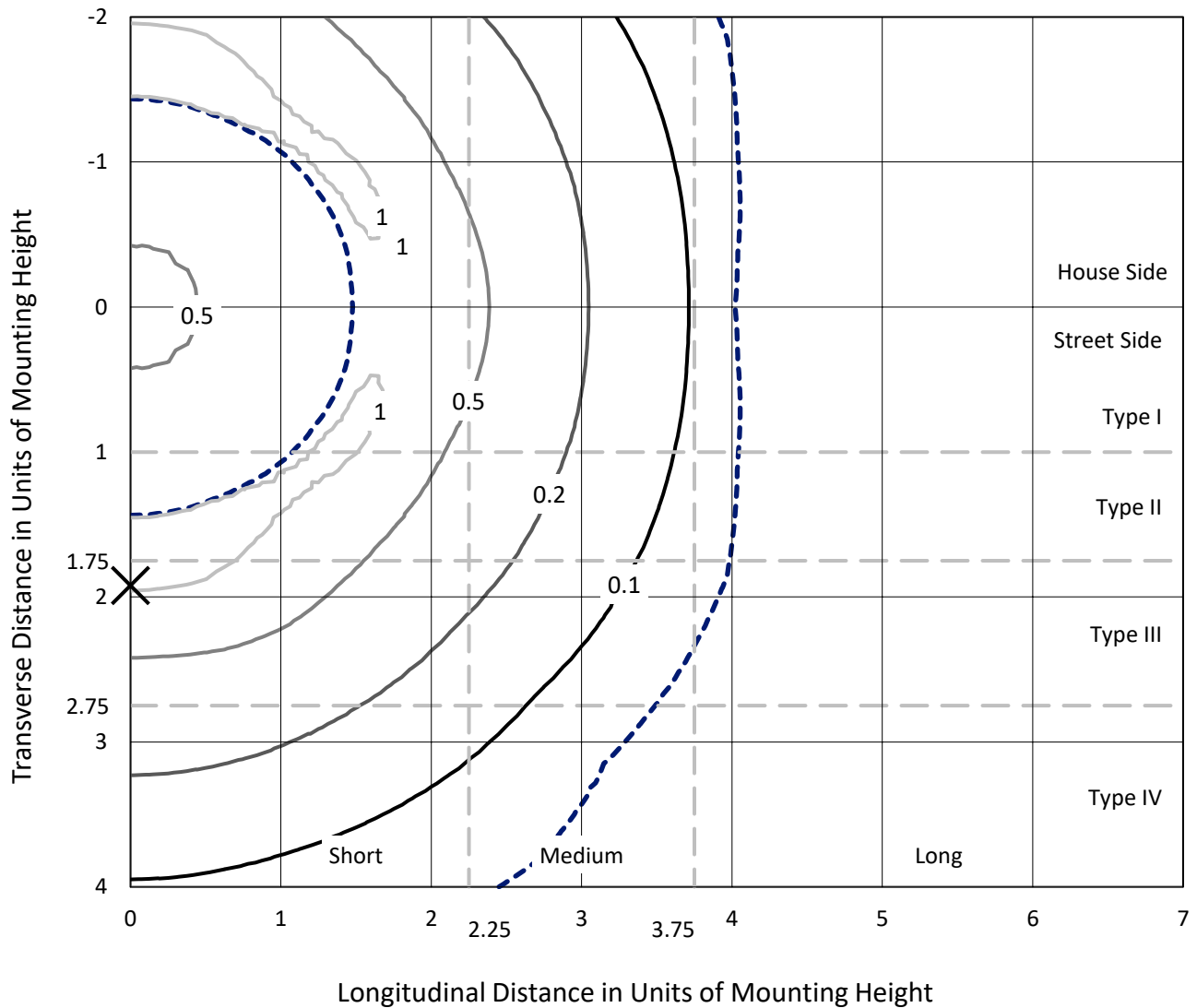
Lumens per Lamp: N/A  
Luminaire Lumens: 10210 lumens  
Efficiency: N/A  
Efficacy: 91.0 lumens/watt  
Luminous Opening: Vertical Cylinder (Dia: 1.33' x H: 1.25')  
IES Classification: Type V - Short - Semi-Cutoff  
BUG Rating: B4 - U3 - G3  
  
Input Watts (W): 112.2  
Input Voltage (V): 120  
Input 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

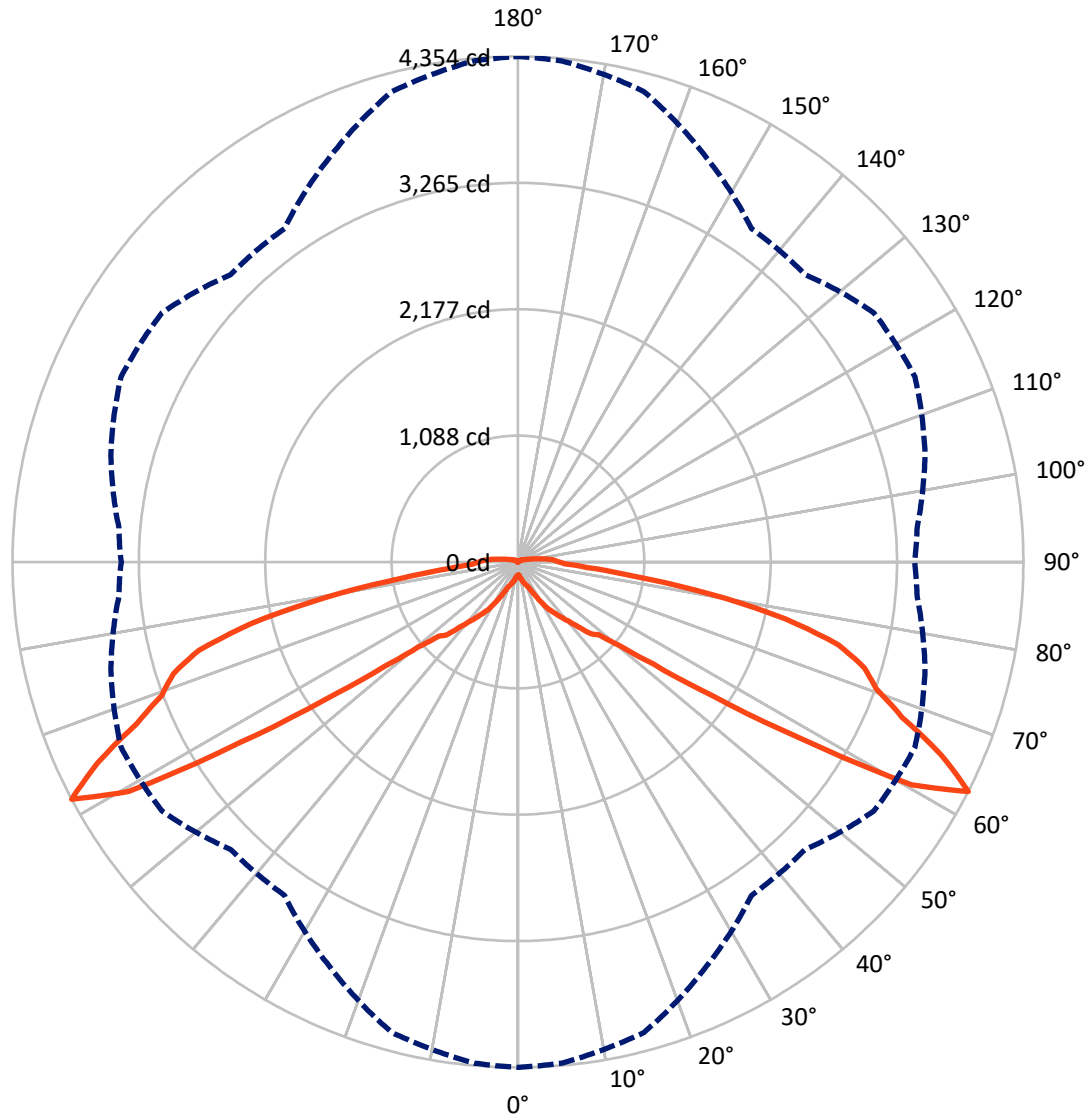
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 1.2 fc  
 Type V - Short - Semi-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral      - - - Horizontal Cone Through 62.5-Deg Vertical

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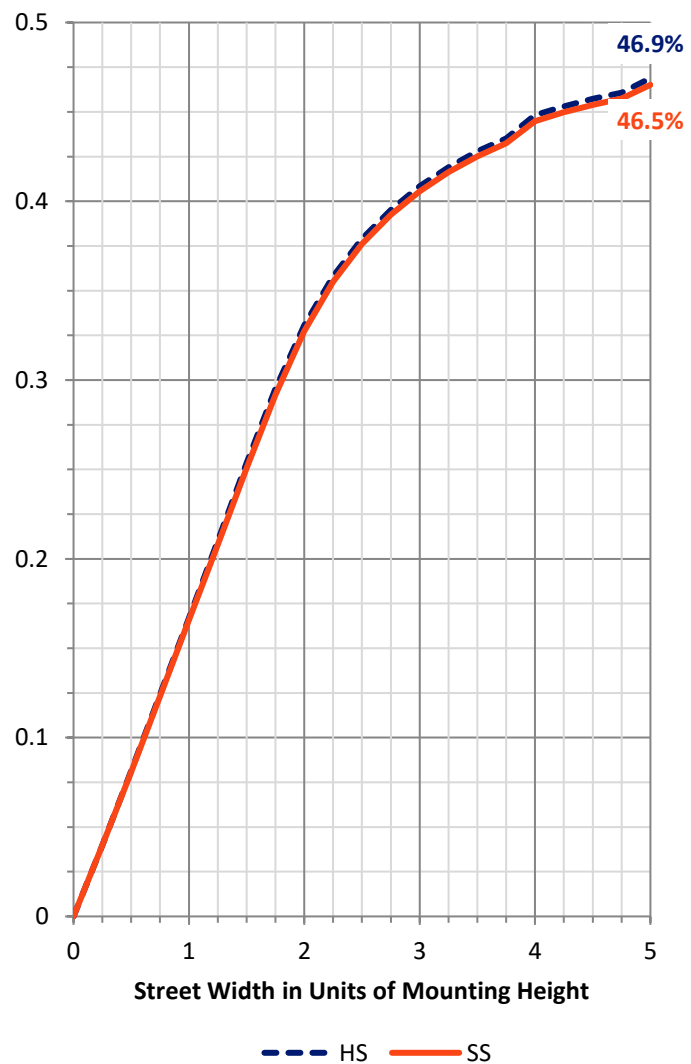
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4908.8	196.2	5105.0
	% Fixture	48.1	1.9	50.0
<b>Street Side</b>	Lumens	4908.8	196.2	5105.0
	% Fixture	48.1	1.9	50.0
<b>Total</b>	Lumens	9817.6	392.4	10210.0
	% Fixture	96.2	3.8	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	12.2	0.1
10°-20°	51.4	0.5
20°-30°	135.7	1.3
30°-40°	308.8	3.0
40°-50°	624.7	6.1
50°-60°	1849.1	18.1
60°-70°	3473.9	34.0
70°-80°	2582.2	25.3
80°-90°	779.5	7.6
90°-100°	253.0	2.5
100°-110°	88.6	0.9
110°-120°	34.3	0.3
120°-130°	13.6	0.1
130°-140°	2.7	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.1	0.0
170°-180°	0.1	0.0
0°-90°	9817.6	96.2
0°-180°	10210.0	100.0



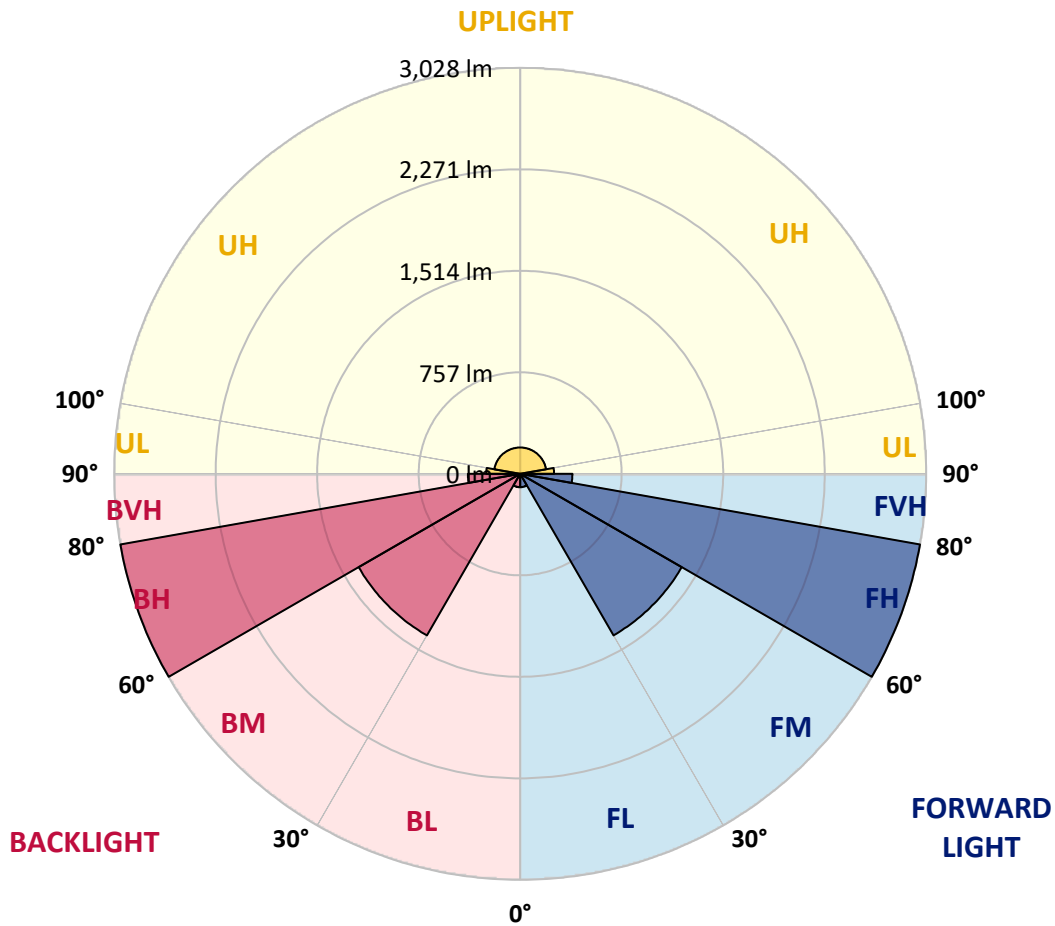
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	99.7	1.0			
FM (30°-60°)	1391.3	13.6			
FH (60°-80°)	3028.1	29.7			G2/5000
FVH (80°-90°)	389.8	3.8			G3/500
BL (0°-30°)	99.7	1.0	B0/110		
BM (30°-60°)	1391.3	13.6	B2/2500		
BH (60°-80°)	3028.1	29.7	B4/5000		G2/5000
BVH (80°-90°)	389.8	3.8			G3/500
UL (90°-100°)	253.0	2.5		U3/500	
UH (100°-180°)	196.2	1.9		U3/500	

**BUG Rating: B4-U3-G3**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	112.3	112.3	112.3	112.3	112.3	112.3	112.3	112.3	112.3	112.3	112.3
2.5°	114.2	114.2	114.2	112.3	110.3	110.3	110.3	110.3	108.4	108.4	108.4
5°	120.0	120.0	118.1	116.2	116.2	114.2	116.2	114.2	114.2	114.2	116.2
7.5°	133.6	133.6	131.6	131.6	131.6	129.7	129.7	129.7	129.7	127.8	129.7
10°	149.1	149.1	149.1	149.1	149.1	147.1	147.1	145.2	145.2	145.2	145.2
12.5°	166.5	164.5	164.5	166.5	164.5	162.6	162.6	162.6	160.7	160.7	160.7
15°	182.0	182.0	180.0	180.0	180.0	178.1	178.1	176.2	176.2	174.2	174.2
17.5°	197.5	197.5	195.5	193.6	193.6	193.6	191.7	191.7	189.7	189.7	189.7
20°	216.8	214.9	212.9	211.0	209.1	209.1	209.1	209.1	207.1	205.2	205.2
22.5°	238.1	236.2	234.2	232.3	232.3	230.4	230.4	228.4	228.4	226.5	224.6
25°	282.6	282.6	274.9	273.0	273.0	274.9	273.0	271.0	267.1	261.3	261.3
27.5°	342.6	344.6	346.5	356.2	354.3	340.7	333.0	329.1	327.2	327.2	329.1
30°	410.4	412.3	418.1	427.8	422.0	404.6	385.2	377.5	383.3	391.0	393.0
32.5°	482.0	482.0	470.4	456.9	443.3	431.7	425.9	422.0	420.1	414.3	414.3
35°	538.2	528.5	491.7	447.2	433.6	441.4	464.6	472.4	443.3	416.2	412.3
37.5°	602.1	600.1	571.1	538.2	513.0	509.1	534.3	542.0	511.1	493.6	491.7
40°	669.8	673.7	679.5	665.9	627.2	615.6	602.1	592.4	592.4	594.3	590.4
42.5°	760.8	766.6	766.6	768.5	737.6	710.5	683.4	667.9	665.9	681.4	687.2
45°	882.8	882.8	869.2	842.1	828.5	809.2	791.8	776.3	768.5	770.5	776.3
47.5°	937.0	940.8	929.2	890.5	880.8	861.5	836.3	830.5	834.4	840.2	842.1
50°	1126.7	1117.0	1037.6	956.3	927.3	946.6	983.4	993.1	956.3	919.5	909.9
52.5°	1459.6	1457.7	1395.8	1335.7	1295.1	1283.5	1333.8	1337.7	1273.8	1246.7	1242.8
55°	2036.5	2015.2	2061.7	2090.7	2005.6	1910.7	1875.8	1827.5	1831.3	1885.5	1887.5
57.5°	2855.4	2867.0	2919.3	2843.8	2714.1	2644.4	2596.0	2505.0	2506.9	2555.3	2559.2
60°	3895.0	3893.0	3726.5	3436.2	3236.8	3250.3	3383.9	3403.2	3196.1	3062.5	3047.0
62.5°	4353.8	4332.5	4195.0	3842.7	3505.8	3500.0	3742.0	3773.0	3629.7	3451.6	3416.8
65°	4007.2	3989.8	4047.9	3927.9	3484.6	3370.3	3443.9	3436.2	3527.1	3608.4	3618.1
67.5°	3567.8	3571.7	3711.0	3674.3	3366.5	3172.9	3080.0	3068.3	3238.7	3428.4	3453.6
70°	3273.5	3273.5	3372.3	3223.2	3076.1	2950.3	2853.5	2793.4	2903.8	2934.8	2932.8
72.5°	3122.5	3109.0	3039.3	2896.0	2783.8	2673.4	2702.5	2657.9	2605.7	2524.4	2516.6
75°	2853.5	2838.0	2741.2	2673.4	2592.1	2454.7	2479.8	2435.3	2348.2	2274.6	2263.0
77.5°	2357.9	2357.9	2295.9	2245.6	2222.4	2104.3	2092.7	2071.4	1984.3	1943.6	1928.1
80°	1688.1	1684.2	1659.0	1641.6	1670.6	1601.0	1570.0	1570.0	1535.1	1498.4	1480.9
82.5°	1004.7	991.2	991.2	997.0	979.5	935.0	942.8	987.3	983.4	962.1	946.6
85°	594.3	586.6	580.8	573.0	557.5	526.6	526.6	530.4	534.3	536.2	528.5
87.5°	396.9	394.9	394.9	394.9	377.5	356.2	365.9	371.7	367.8	365.9	363.9
90°	346.5	348.5	346.5	338.8	323.3	303.9	307.8	315.5	311.7	311.7	309.7
92.5°	311.7	311.7	307.8	300.1	284.6	267.1	269.1	273.0	271.0	269.1	267.1
95°	255.5	255.5	251.7	245.9	232.3	216.8	218.8	222.6	218.8	218.8	216.8
97.5°	199.4	199.4	197.5	193.6	182.0	170.4	172.3	174.2	172.3	172.3	170.4
100°	151.0	151.0	149.1	143.3	137.4	127.8	129.7	133.6	131.6	131.6	129.7
102.5°	112.3	112.3	110.3	108.4	100.7	94.9	96.8	96.8	96.8	94.9	94.9
105°	87.1	87.1	87.1	83.2	79.4	73.6	73.6	73.6	73.6	71.6	71.6
107.5°	69.7	67.8	67.8	65.8	61.9	58.1	58.1	58.1	58.1	58.1	58.1
110°	56.1	54.2	52.3	52.3	48.4	46.5	44.5	46.5	46.5	46.5	46.5



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	48.4	46.5	42.6	42.6	40.7	36.8	36.8	36.8	40.7	38.7	38.7
115°	42.6	40.7	34.8	34.8	32.9	31.0	31.0	31.0	34.8	31.0	31.0
117.5°	36.8	34.8	29.0	29.0	27.1	25.2	25.2	25.2	29.0	25.2	25.2
120°	27.1	27.1	23.2	23.2	23.2	21.3	21.3	21.3	23.2	21.3	21.3
122.5°	21.3	21.3	19.4	19.4	19.4	17.4	17.4	17.4	17.4	15.5	15.5
125°	21.3	25.2	15.5	15.5	13.6	13.6	13.6	11.6	13.6	11.6	11.6
127.5°	23.2	21.3	11.6	11.6	11.6	9.7	9.7	9.7	9.7	9.7	9.7
130°	7.7	11.6	7.7	7.7	7.7	7.7	7.7	7.7	5.8	5.8	5.8
132.5°	5.8	5.8	5.8	5.8	5.8	5.8	3.9	3.9	3.9	3.9	3.9
135°	3.9	3.9	3.9	3.9	3.9	3.9	1.9	1.9	1.9	1.9	1.9
137.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.9	1.9	1.9	1.9
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.9	1.9	1.9	1.9
170°	0.0	0.0	0.0	0.0	0.0	1.9	1.9	1.9	1.9	1.9	1.9
172.5°	0.0	0.0	0.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
175°	0.0	0.0	0.0	0.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9
177.5°	0.0	0.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
180°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9

(END OF REPORT)