

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: P588437

Luminaire Tested: **ARC-CA6-130-750-U-55-6-5-X**

Issue Date: 11/30/2021

Test Information

Test Method: LM-79-08
Report Number: P588437
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-CA6-130-750-U-55-6-5-X
Description: GENERATIONS SERIES AVENUE WITH AVENUE CAGE AND TYPE V REFRACTOR
Light Source: (6) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11752 lumens
Efficiency: N/A
Efficacy: 94.5 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

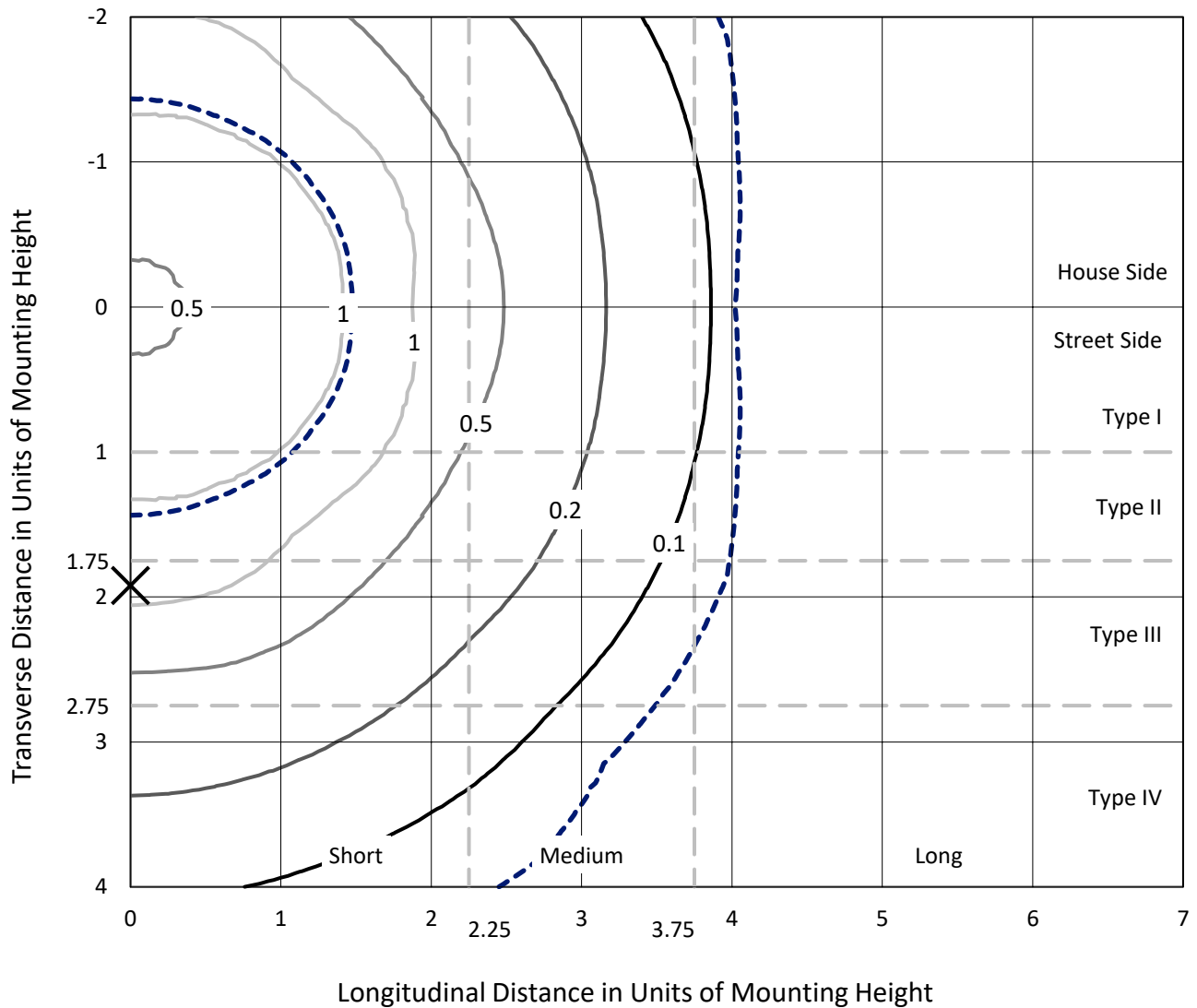
Input Watts (W): 124.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

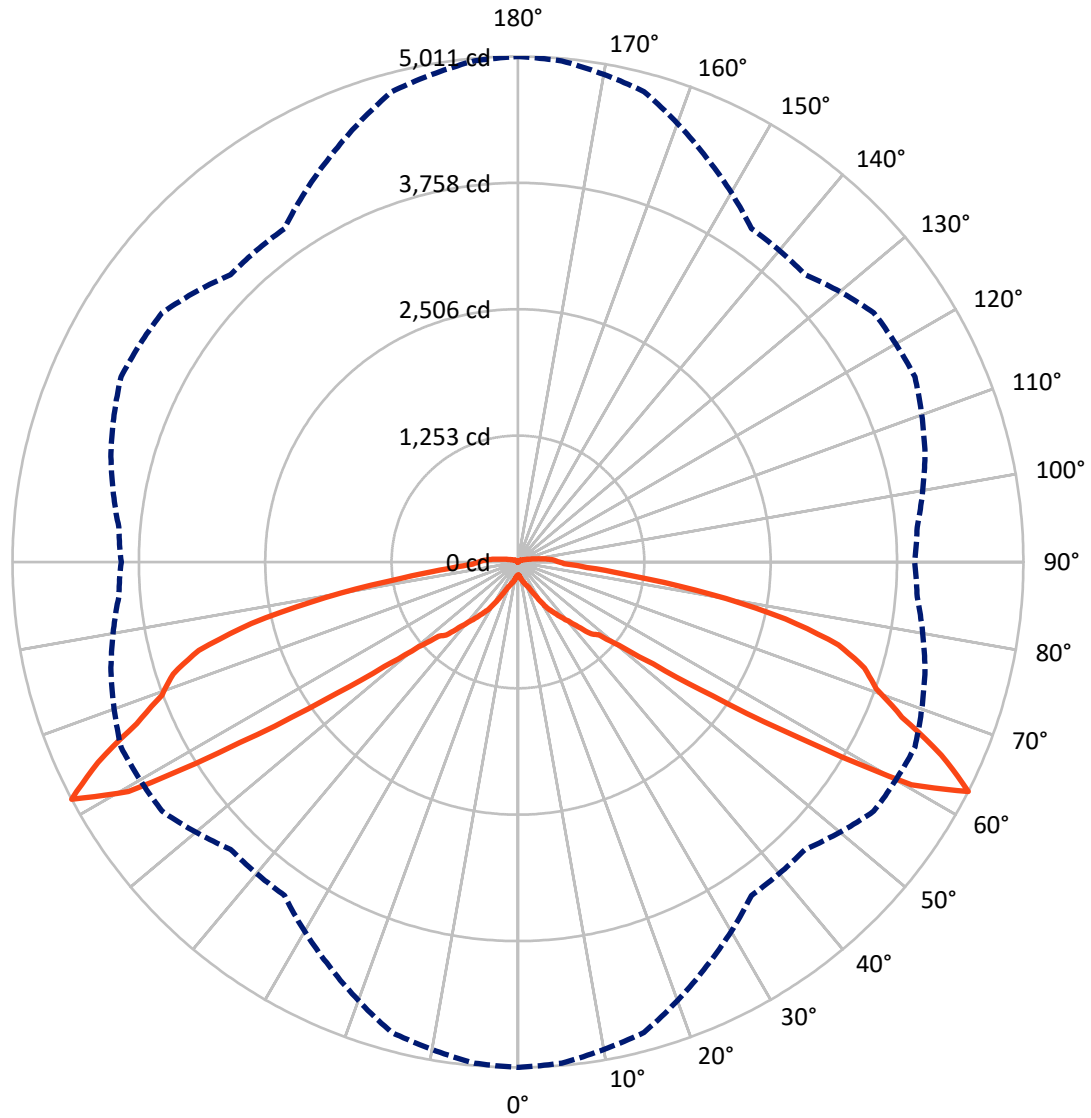
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 1.4 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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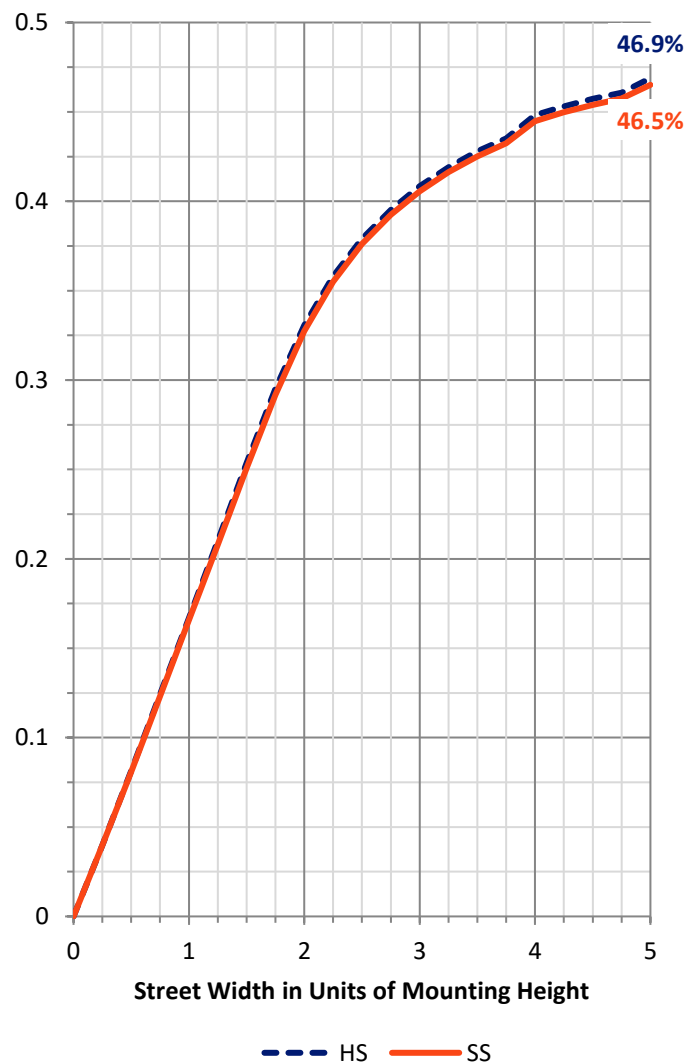
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5650.2	225.8	5876.0
	% Fixture	48.1	1.9	50.0
Street Side	Lumens	5650.2	225.8	5876.0
	% Fixture	48.1	1.9	50.0
Total	Lumens	11300.3	451.7	11752.0
	% Fixture	96.2	3.8	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.0	0.1
10°-20°	59.2	0.5
20°-30°	156.2	1.3
30°-40°	355.5	3.0
40°-50°	719.0	6.1
50°-60°	2128.4	18.1
60°-70°	3998.6	34.0
70°-80°	2972.2	25.3
80°-90°	897.2	7.6
90°-100°	291.1	2.5
100°-110°	102.0	0.9
110°-120°	39.4	0.3
120°-130°	15.6	0.1
130°-140°	3.1	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.2	0.0
170°-180°	0.2	0.0
0°-90°	11300.3	96.2
0°-180°	11752.0	100.0

Coefficient of Utilization



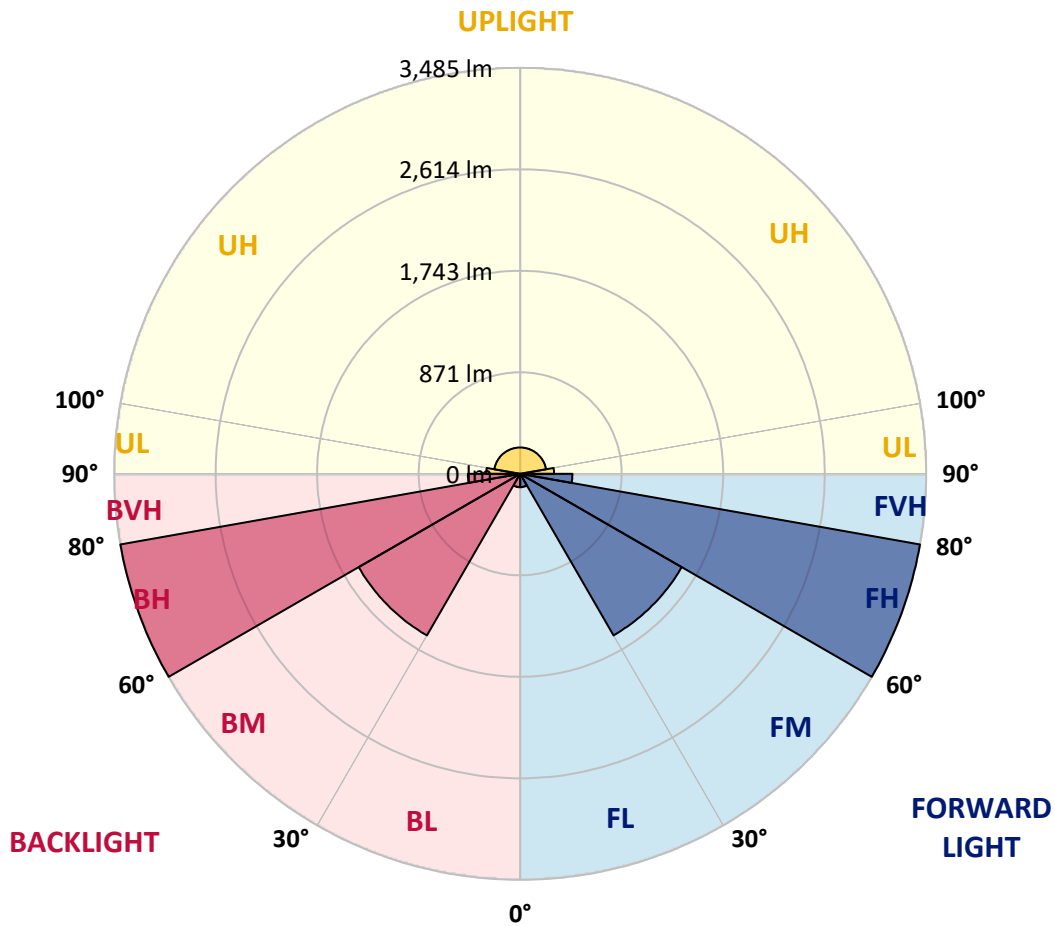
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	114.7	1.0			
FM (30°-60°)	1601.4	13.6			
FH (60°-80°)	3485.4	29.7			G2/5000
FVH (80°-90°)	448.6	3.8			G3/500
BL (0°-30°)	114.7	1.0	B1/500		
BM (30°-60°)	1601.4	13.6	B2/2500		
BH (60°-80°)	3485.4	29.7	B4/5000		G2/5000
BVH (80°-90°)	448.6	3.8			G3/500
UL (90°-100°)	291.1	2.5		U3/500	
UH (100°-180°)	225.8	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°	129.2	129.2	129.2	129.2	129.2	129.2	129.2	129.2	129.2	129.2	129.2
2.5°	131.5	131.5	131.5	129.2	127.0	127.0	127.0	127.0	124.8	124.8	124.8
5°	138.2	138.2	135.9	133.7	133.7	131.5	133.7	131.5	131.5	131.5	133.7
7.5°	153.7	153.7	151.5	151.5	151.5	149.3	149.3	149.3	149.3	147.1	149.3
10°	171.6	171.6	171.6	171.6	171.6	169.3	169.3	167.1	167.1	167.1	167.1
12.5°	191.6	189.4	189.4	191.6	189.4	187.2	187.2	187.2	184.9	184.9	184.9
15°	209.5	209.5	207.2	207.2	207.2	205.0	205.0	202.8	202.8	200.5	200.5
17.5°	227.3	227.3	225.1	222.8	222.8	222.8	220.6	220.6	218.4	218.4	218.4
20°	249.6	247.3	245.1	242.9	240.6	240.6	240.6	240.6	238.4	236.2	236.2
22.5°	274.1	271.8	269.6	267.4	267.4	265.2	265.2	262.9	262.9	260.7	258.5
25°	325.3	325.3	316.4	314.2	314.2	316.4	314.2	312.0	307.5	300.8	300.8
27.5°	394.4	396.6	398.9	410.0	407.8	392.2	383.3	378.8	376.6	376.6	378.8
30°	472.4	474.6	481.3	492.4	485.8	465.7	443.4	434.5	441.2	450.1	452.3
32.5°	554.8	554.8	541.5	525.9	510.3	496.9	490.2	485.8	483.5	476.8	476.8
35°	619.4	608.3	566.0	514.7	499.1	508.0	534.8	543.7	510.3	479.1	474.6
37.5°	693.0	690.8	657.3	619.4	590.5	586.0	615.0	623.9	588.3	568.2	566.0
40°	771.0	775.4	782.1	766.5	721.9	708.6	693.0	681.8	681.8	684.1	679.6
42.5°	875.7	882.4	882.4	884.6	849.0	817.8	786.6	768.7	766.5	784.3	791.0
45°	1016.1	1016.1	1000.5	969.3	953.7	931.4	911.3	893.5	884.6	886.8	893.5
47.5°	1078.5	1082.9	1069.6	1025.0	1013.8	991.6	962.6	955.9	960.4	967.1	969.3
50°	1296.8	1285.7	1194.3	1100.7	1067.3	1089.6	1131.9	1143.1	1100.7	1058.4	1047.3
52.5°	1680.1	1677.9	1606.6	1537.5	1490.7	1477.3	1535.3	1539.7	1466.2	1435.0	1430.5
55°	2344.1	2319.6	2373.1	2406.5	2308.4	2199.3	2159.2	2103.5	2107.9	2170.3	2172.5
57.5°	3286.6	3300.0	3360.2	3273.3	3124.0	3043.8	2988.1	2883.3	2885.6	2941.3	2945.7
60°	4483.2	4481.0	4289.3	3955.1	3725.6	3741.2	3894.9	3917.2	3678.8	3525.1	3507.2
62.5°	5011.3	4986.8	4828.6	4423.0	4035.3	4028.6	4307.2	4342.8	4177.9	3972.9	3932.8
65°	4612.4	4592.4	4659.2	4521.1	4010.8	3879.4	3964.0	3955.1	4059.8	4153.4	4164.6
67.5°	4106.6	4111.1	4271.5	4229.2	3874.9	3652.1	3545.1	3531.7	3727.8	3946.2	3975.2
70°	3767.9	3767.9	3881.6	3710.0	3540.7	3395.8	3284.4	3215.3	3342.3	3378.0	3375.8
72.5°	3594.1	3578.5	3498.3	3333.4	3204.2	3077.2	3110.6	3059.4	2999.2	2905.6	2896.7
75°	3284.4	3266.6	3155.2	3077.2	2983.6	2825.4	2854.4	2803.1	2702.8	2618.2	2604.8
77.5°	2714.0	2714.0	2642.7	2584.7	2558.0	2422.1	2408.7	2384.2	2283.9	2237.1	2219.3
80°	1943.0	1938.6	1909.6	1889.5	1923.0	1842.7	1807.1	1807.1	1767.0	1724.7	1704.6
82.5°	1156.5	1140.9	1140.9	1147.5	1127.5	1076.2	1085.1	1136.4	1131.9	1107.4	1089.6
85°	684.1	675.2	668.5	659.6	641.7	606.1	606.1	610.5	615.0	617.2	608.3
87.5°	456.8	454.6	454.6	454.6	434.5	410.0	421.1	427.8	423.4	421.1	418.9
90°	398.9	401.1	398.9	389.9	372.1	349.8	354.3	363.2	358.7	358.7	356.5
92.5°	358.7	358.7	354.3	345.4	327.5	307.5	309.7	314.2	312.0	309.7	307.5
95°	294.1	294.1	289.7	283.0	267.4	249.6	251.8	256.2	251.8	251.8	249.6
97.5°	229.5	229.5	227.3	222.8	209.5	196.1	198.3	200.5	198.3	198.3	196.1
100°	173.8	173.8	171.6	164.9	158.2	147.1	149.3	153.7	151.5	151.5	149.3
102.5°	129.2	129.2	127.0	124.8	115.9	109.2	111.4	111.4	111.4	109.2	109.2
105°	100.3	100.3	100.3	95.8	91.4	84.7	84.7	84.7	84.7	82.4	82.4
107.5°	80.2	78.0	78.0	75.8	71.3	66.8	66.8	66.8	66.8	66.8	66.8
110°	64.6	62.4	60.2	60.2	55.7	53.5	51.2	53.5	53.5	53.5	53.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	55.7	53.5	49.0	49.0	46.8	42.3	42.3	42.3	46.8	44.6	44.6
115°	49.0	46.8	40.1	40.1	37.9	35.7	35.7	35.7	40.1	35.7	35.7
117.5°	42.3	40.1	33.4	33.4	31.2	29.0	29.0	29.0	33.4	29.0	29.0
120°	31.2	31.2	26.7	26.7	26.7	24.5	24.5	24.5	26.7	24.5	24.5
122.5°	24.5	24.5	22.3	22.3	22.3	20.1	20.1	20.1	20.1	17.8	17.8
125°	24.5	29.0	17.8	17.8	15.6	15.6	15.6	13.4	15.6	13.4	13.4
127.5°	26.7	24.5	13.4	13.4	13.4	11.1	11.1	11.1	11.1	11.1	11.1
130°	8.9	13.4	8.9	8.9	8.9	8.9	8.9	8.9	6.7	6.7	6.7
132.5°	6.7	6.7	6.7	6.7	6.7	6.7	4.5	4.5	4.5	4.5	4.5
135°	4.5	4.5	4.5	4.5	4.5	4.5	2.2	2.2	2.2	2.2	2.2
137.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
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	2.2	2.2	2.2	2.2	2.2
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.2	2.2	2.2	2.2	2.2
170°	0.0	0.0	0.0	0.0	0.0	2.2	2.2	2.2	2.2	2.2	2.2
172.5°	0.0	0.0	0.0	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
175°	0.0	0.0	0.0	0.0	2.2	2.2	2.2	2.2	2.2	2.2	2.2
177.5°	0.0	0.0	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
180°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2

(END OF REPORT)