

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: P694791

Luminaire Tested: **LXF.LXT-PA16-30-730-U-5WQ-A**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694791
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-2)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-30-730-U-5WQ-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 560mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS
AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3523 lumens
Efficiency: N/A
Efficacy: 120.7 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type V - Short
BUG Rating: B2 - U3 - G2

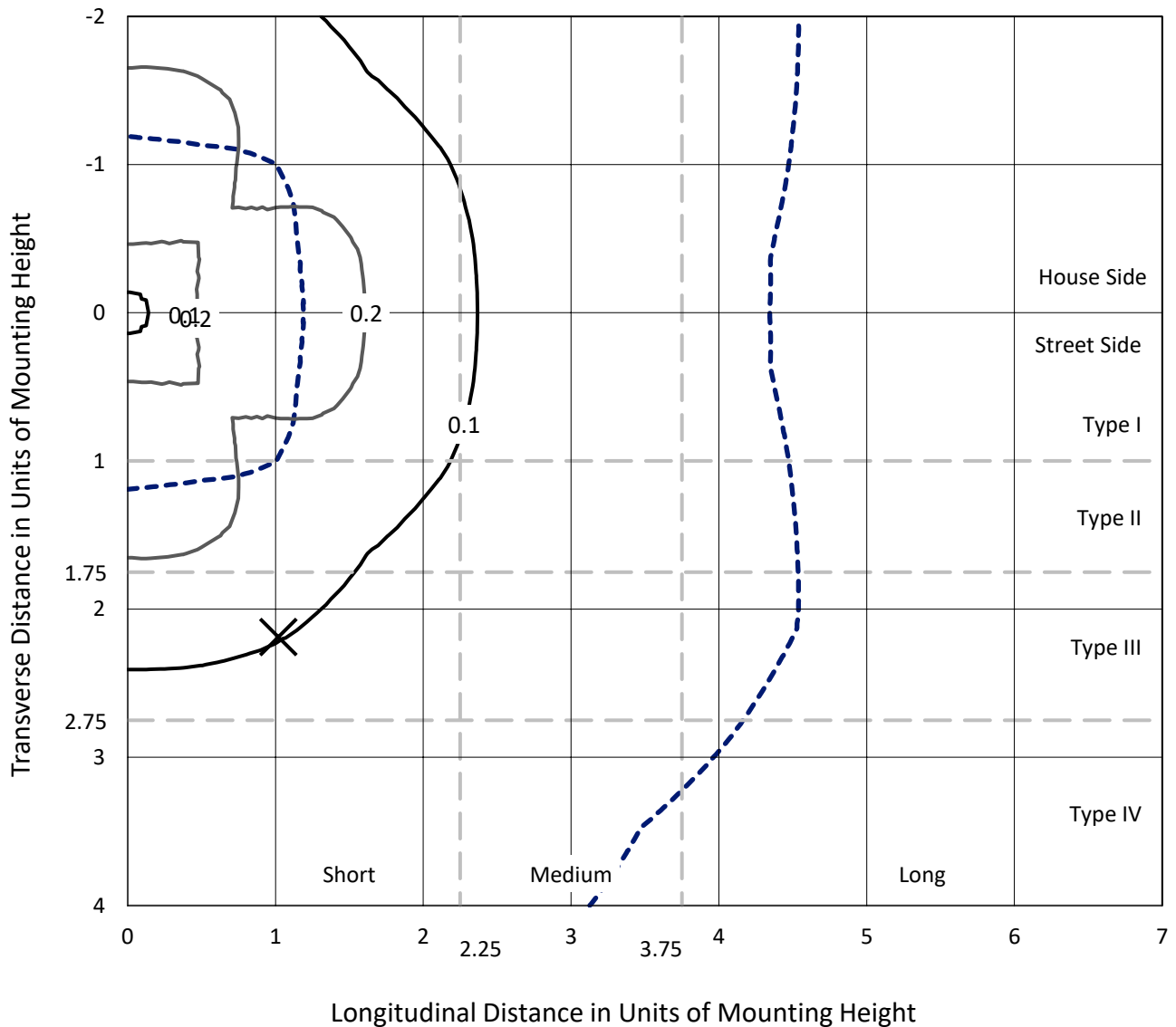
Input Watts (W): 29.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

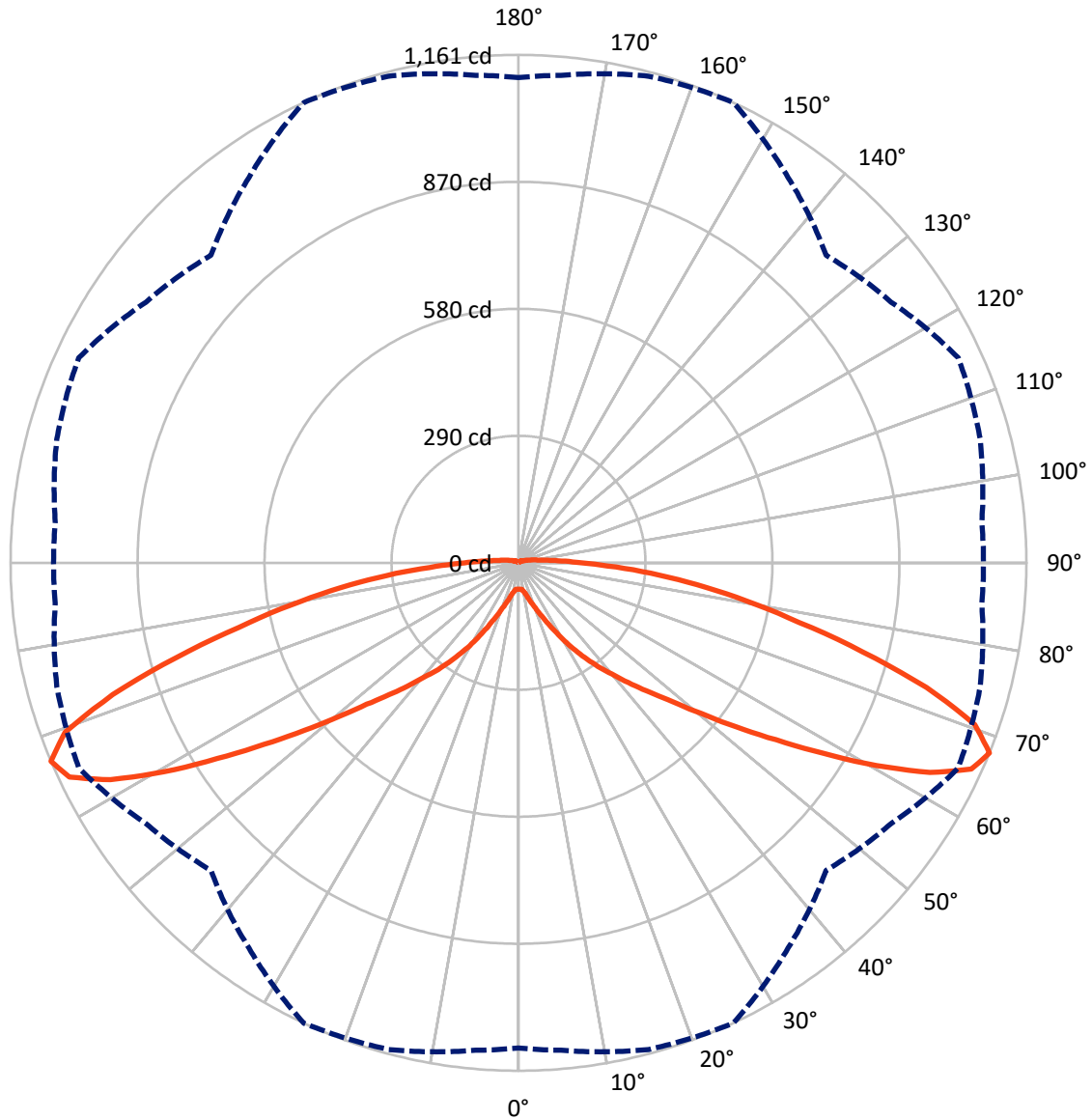
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 25-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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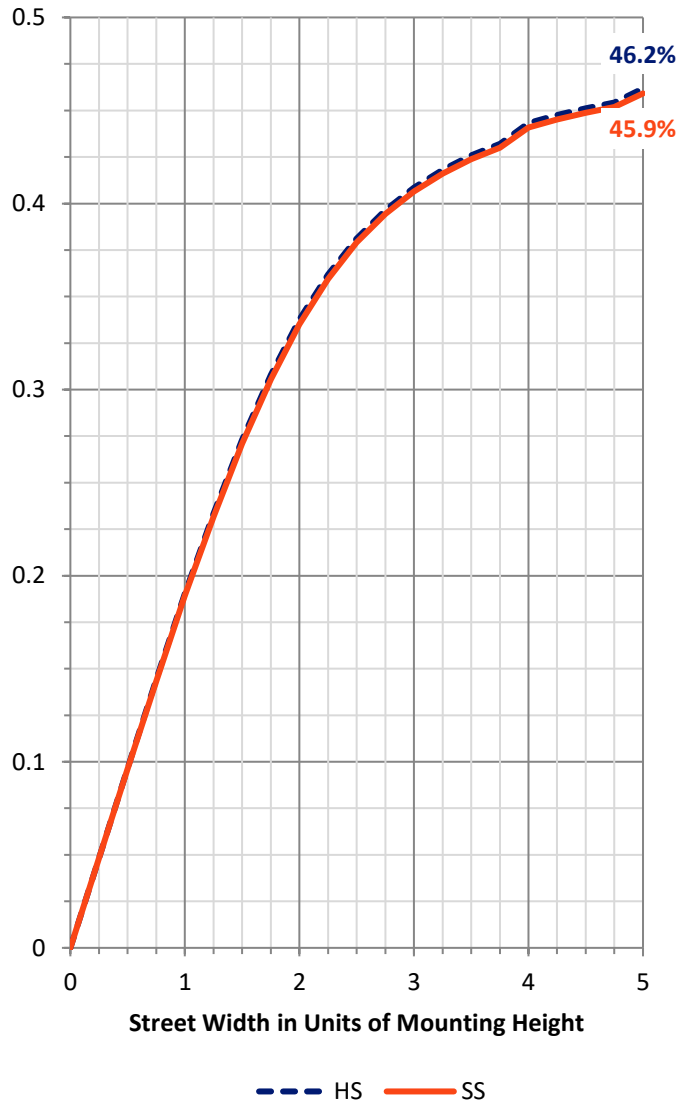
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1698.2	63.3	1761.5
	% Fixture	48.2	1.8	50.0
Street Side	Lumens	1698.2	63.3	1761.5
	% Fixture	48.2	1.8	50.0
Total	Lumens	3396.4	126.6	3523.0
	% Fixture	96.4	3.6	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.0	0.2
10°-20°	24.8	0.7
20°-30°	73.7	2.1
30°-40°	176.6	5.0
40°-50°	331.8	9.4
50°-60°	630.1	17.9
60°-70°	1022.8	29.0
70°-80°	803.1	22.8
80°-90°	327.6	9.3
90°-100°	79.8	2.3
100°-110°	25.1	0.7
110°-120°	10.6	0.3
120°-130°	5.8	0.2
130°-140°	3.5	0.1
140°-150°	1.6	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3396.4	96.4
0°-180°	3523.0	100.0

Coefficient of Utilization



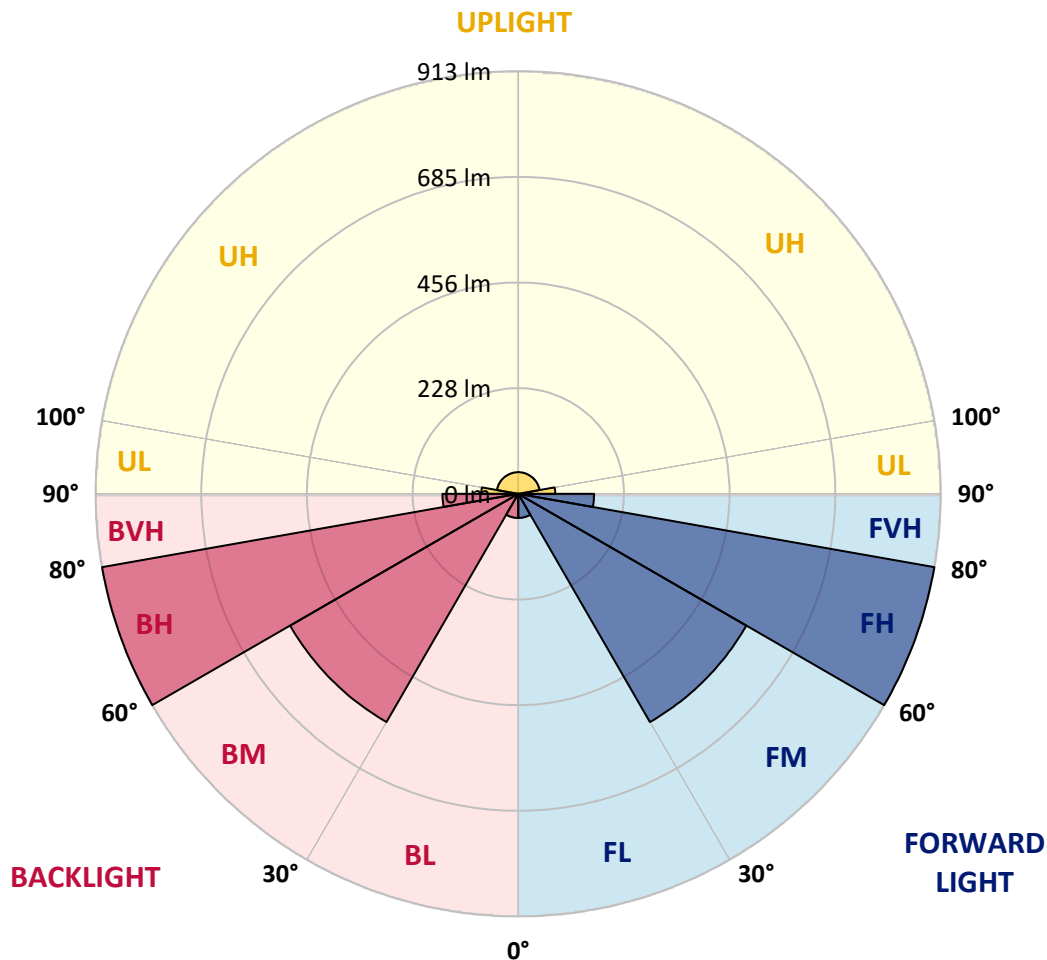
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	52.2	1.5			
FM (30°-60°)	569.3	16.2			
FH (60°-80°)	913.0	25.9			G1/1800
FVH (80°-90°)	163.8	4.6			G2/225
BL (0°-30°)	52.2	1.5	B0/110		
BM (30°-60°)	569.3	16.2	B1/1000		
BH (60°-80°)	913.0	25.9	B2/1000		G1/1800
BVH (80°-90°)	163.8	4.6			G2/225
UL (90°-100°)	79.8	2.3		U3/500	
UH (100°-180°)	46.7	1.3		U2/50	

BUG Rating: B2-U3-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
2.5°	59.1	59.1	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
5°	60.3	60.3	60.3	60.3	61.5	61.5	61.5	60.3	60.3	60.3	60.3
7.5°	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
10°	67.4	67.4	66.2	67.4	66.2	66.2	66.2	65.0	66.2	66.2	66.2
12.5°	75.6	75.6	74.4	73.3	72.1	70.9	70.9	70.9	72.1	73.3	73.3
15°	87.4	87.4	86.3	83.9	80.4	79.2	80.4	81.5	82.7	85.1	85.1
17.5°	101.6	101.6	99.3	95.7	92.2	91.0	92.2	94.5	96.9	99.3	100.4
20°	119.4	118.2	115.8	109.9	106.4	105.2	106.4	108.7	113.4	117.0	117.0
22.5°	140.6	140.6	135.9	128.8	122.9	121.7	121.7	127.6	133.5	139.4	140.6
25°	166.6	167.8	160.7	150.1	143.0	139.4	141.8	150.1	160.7	167.8	170.2
27.5°	200.9	199.7	190.3	176.1	164.3	158.4	164.3	176.1	191.4	199.7	203.3
30°	236.3	236.3	224.5	206.8	189.1	182.0	190.3	205.6	224.5	237.5	239.9
32.5°	271.8	271.8	257.6	238.7	216.3	205.6	216.3	241.1	265.9	282.4	286.0
35°	309.6	312.0	294.3	270.6	243.4	232.8	245.8	276.5	308.4	326.2	327.3
37.5°	340.3	340.3	328.5	304.9	271.8	258.8	276.5	317.9	351.0	366.3	371.1
40°	380.5	381.7	367.5	338.0	303.7	288.3	310.8	353.3	379.3	386.4	388.8
42.5°	421.9	423.1	411.2	379.3	336.8	320.3	342.7	380.5	404.2	414.8	418.3
45°	460.9	464.4	452.6	421.9	377.0	353.3	373.4	416.0	446.7	458.5	462.1
47.5°	512.9	518.8	505.8	473.9	421.9	393.5	414.8	468.0	504.6	514.1	514.1
50°	574.3	580.2	575.5	541.2	478.6	443.2	472.7	531.8	569.6	582.6	581.4
52.5°	655.9	658.2	653.5	621.6	549.5	505.8	537.7	609.8	646.4	641.7	647.6
55°	741.0	746.9	750.4	713.8	637.0	582.6	626.3	697.2	724.4	726.8	725.6
57.5°	843.8	853.2	849.7	821.3	733.9	677.1	720.9	790.6	829.6	827.2	833.1
60°	953.7	958.4	967.8	940.7	854.4	777.6	826.0	907.6	932.4	914.7	917.0
62.5°	1042.3	1049.4	1065.9	1055.3	963.1	880.4	931.2	997.4	1011.6	993.8	997.4
65°	1113.2	1119.1	1145.1	1136.8	1047.0	961.9	1009.2	1076.6	1080.1	1054.1	1051.8
67.5°	1108.5	1117.9	1151.0	1160.5	1074.2	993.8	1038.8	1108.5	1091.9	1062.4	1062.4
70°	1030.5	1031.7	1071.8	1106.1	1028.1	953.7	1005.7	1055.3	1039.9	1005.7	1000.9
72.5°	885.1	899.3	945.4	974.9	924.1	865.0	896.9	945.4	894.6	847.3	843.8
75°	715.0	712.6	755.1	811.9	785.9	736.2	774.0	784.7	738.6	698.4	689.0
77.5°	570.8	575.5	612.1	655.9	651.1	619.2	629.9	639.3	598.0	555.4	553.1
80°	455.0	455.0	499.9	528.2	529.4	516.4	518.8	512.9	469.2	442.0	437.2
82.5°	340.3	342.7	373.4	410.1	433.7	430.2	421.9	404.2	368.7	339.2	338.0
85°	231.6	236.3	262.3	302.5	336.8	345.1	340.3	300.2	256.4	228.1	224.5
87.5°	152.4	156.0	171.4	203.3	248.2	270.6	251.7	208.0	171.4	156.0	151.3
90°	102.8	105.2	114.6	132.4	173.7	197.4	176.1	137.1	112.3	101.6	101.6
92.5°	69.7	70.9	78.0	89.8	117.0	137.1	118.2	91.0	75.6	68.5	67.4
95°	47.3	48.5	53.2	61.5	80.4	92.2	80.4	60.3	53.2	48.5	47.3
97.5°	36.6	37.8	40.2	44.9	56.7	63.8	55.5	44.9	40.2	37.8	36.6
100°	29.5	29.5	33.1	35.5	41.4	46.1	41.4	34.3	31.9	29.5	29.5
102.5°	23.6	24.8	26.0	28.4	33.1	36.6	33.1	27.2	24.8	23.6	23.6
105°	18.9	18.9	20.1	22.5	26.0	28.4	26.0	22.5	20.1	18.9	17.7
107.5°	15.4	14.2	16.5	18.9	21.3	23.6	21.3	17.7	15.4	14.2	14.2
110°	11.8	11.8	13.0	15.4	17.7	18.9	17.7	14.2	13.0	11.8	11.8

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	9.5	9.5	10.6	11.8	15.4	16.5	14.2	11.8	10.6	9.5	9.5
115°	8.3	8.3	8.3	10.6	13.0	14.2	13.0	9.5	8.3	8.3	8.3
117.5°	7.1	7.1	7.1	8.3	10.6	11.8	10.6	8.3	7.1	7.1	7.1
120°	7.1	7.1	7.1	7.1	9.5	10.6	9.5	7.1	7.1	7.1	7.1
122.5°	5.9	5.9	5.9	7.1	8.3	9.5	8.3	7.1	5.9	5.9	5.9
125°	5.9	5.9	5.9	5.9	7.1	8.3	7.1	5.9	5.9	5.9	5.9
127.5°	4.7	4.7	4.7	5.9	7.1	7.1	7.1	5.9	4.7	4.7	4.7
130°	4.7	4.7	4.7	4.7	5.9	5.9	5.9	4.7	4.7	4.7	4.7
132.5°	4.7	4.7	4.7	4.7	5.9	5.9	5.9	4.7	4.7	4.7	4.7
135°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
137.5°	3.5	3.5	3.5	3.5	3.5	4.7	3.5	3.5	3.5	3.5	3.5
140°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
142.5°	3.5	3.5	2.4	2.4	3.5	3.5	2.4	2.4	2.4	3.5	3.5
145°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
147.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
150°	1.2	1.2	1.2	1.2	1.2	2.4	1.2	1.2	1.2	1.2	1.2
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	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	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)