

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: P694794

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

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694794
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-5)
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-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 560mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS
AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3510 lumens
Efficiency: N/A
Efficacy: 120.2 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

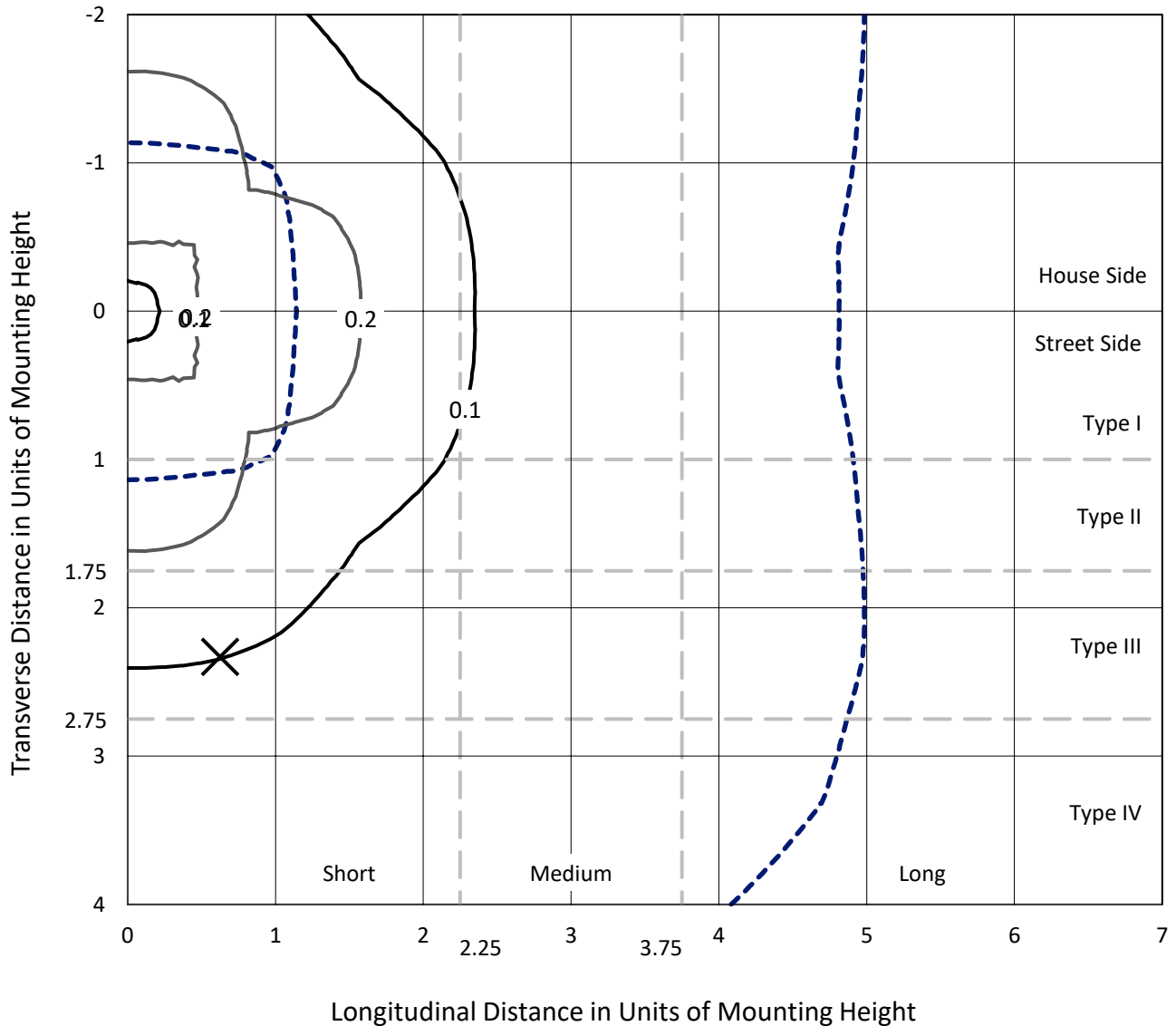
Input Watts (W): 29.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

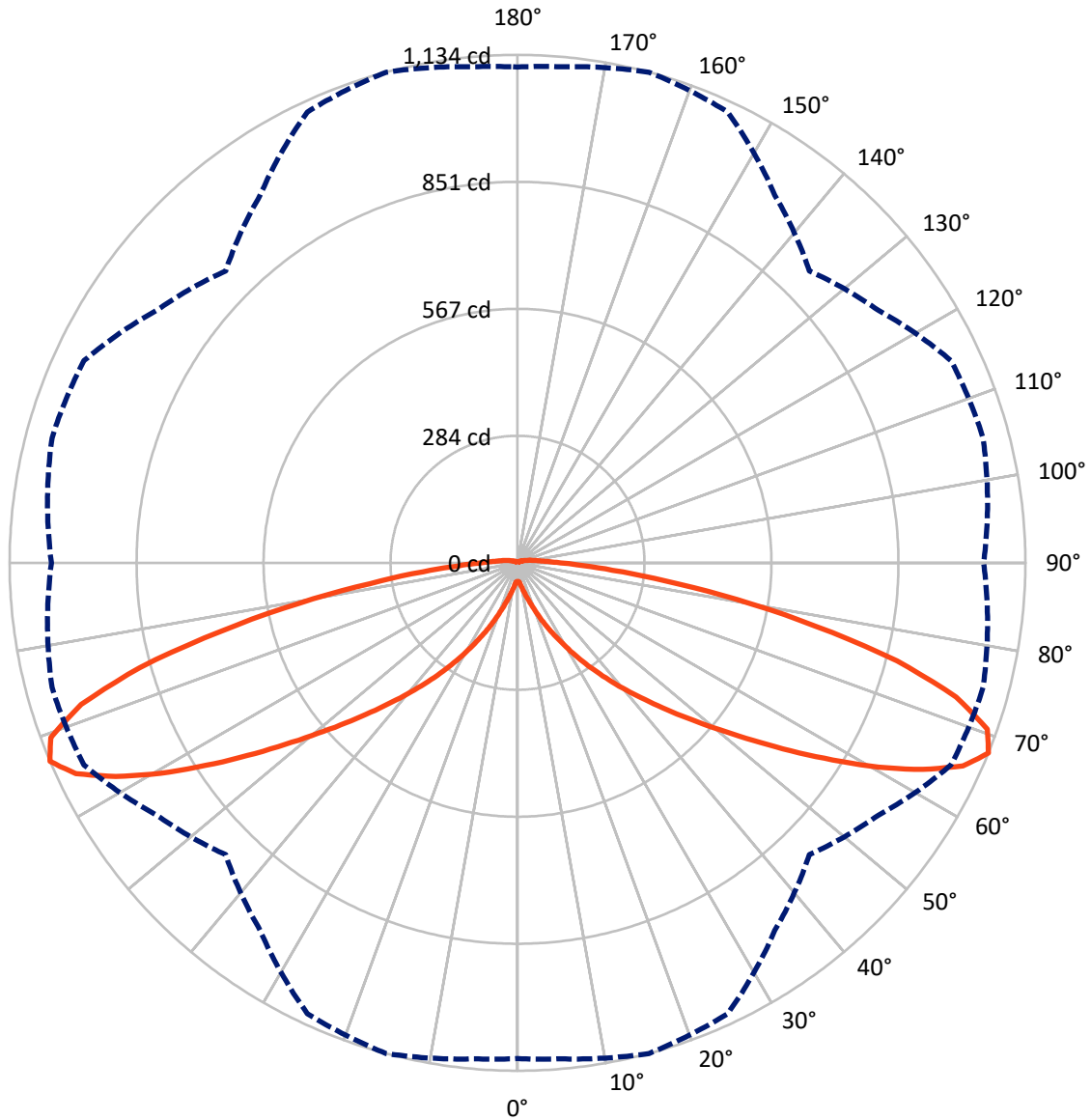
× Max cd
 - - - 1/2 Max cd



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 15-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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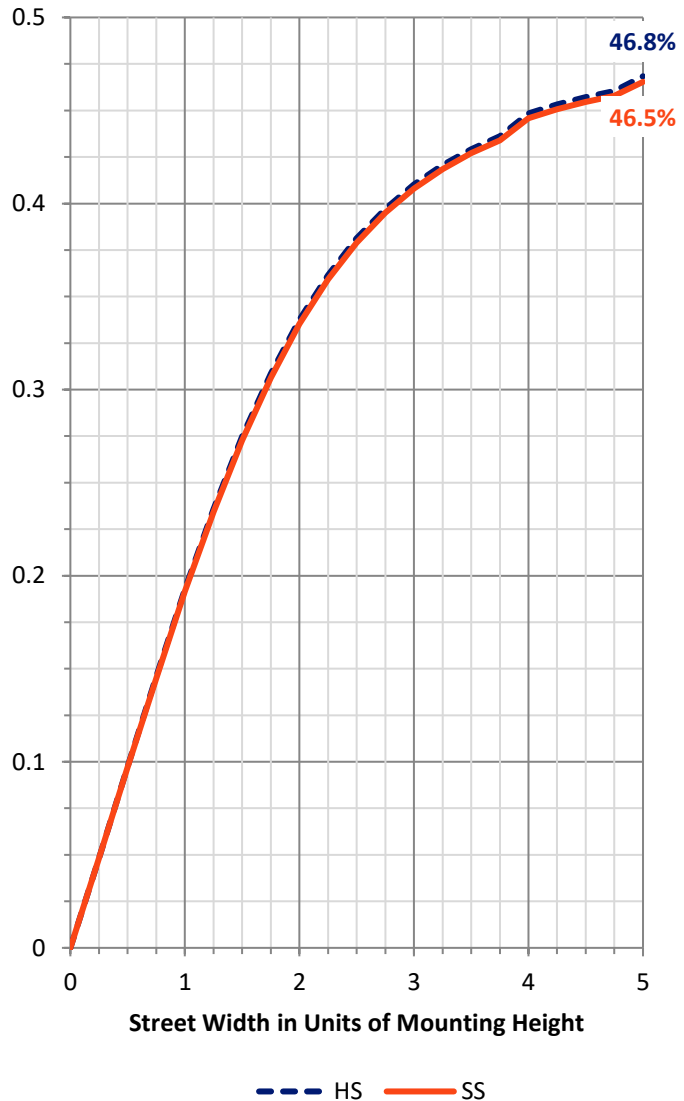
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1698.6	56.4	1755.0
	% Fixture	48.4	1.6	50.0
Street Side	Lumens	1698.6	56.4	1755.0
	% Fixture	48.4	1.6	50.0
Total	Lumens	3397.1	112.8	3510.0
	% Fixture	96.8	3.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.7	0.1
10°-20°	23.8	0.7
20°-30°	74.7	2.1
30°-40°	175.7	5.0
40°-50°	342.6	9.8
50°-60°	626.8	17.9
60°-70°	985.0	28.1
70°-80°	868.4	24.7
80°-90°	295.4	8.4
90°-100°	66.2	1.9
100°-110°	25.4	0.7
110°-120°	11.2	0.3
120°-130°	5.6	0.2
130°-140°	3.0	0.1
140°-150°	1.4	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3397.1	96.8
0°-180°	3510.0	100.0

Coefficient of Utilization



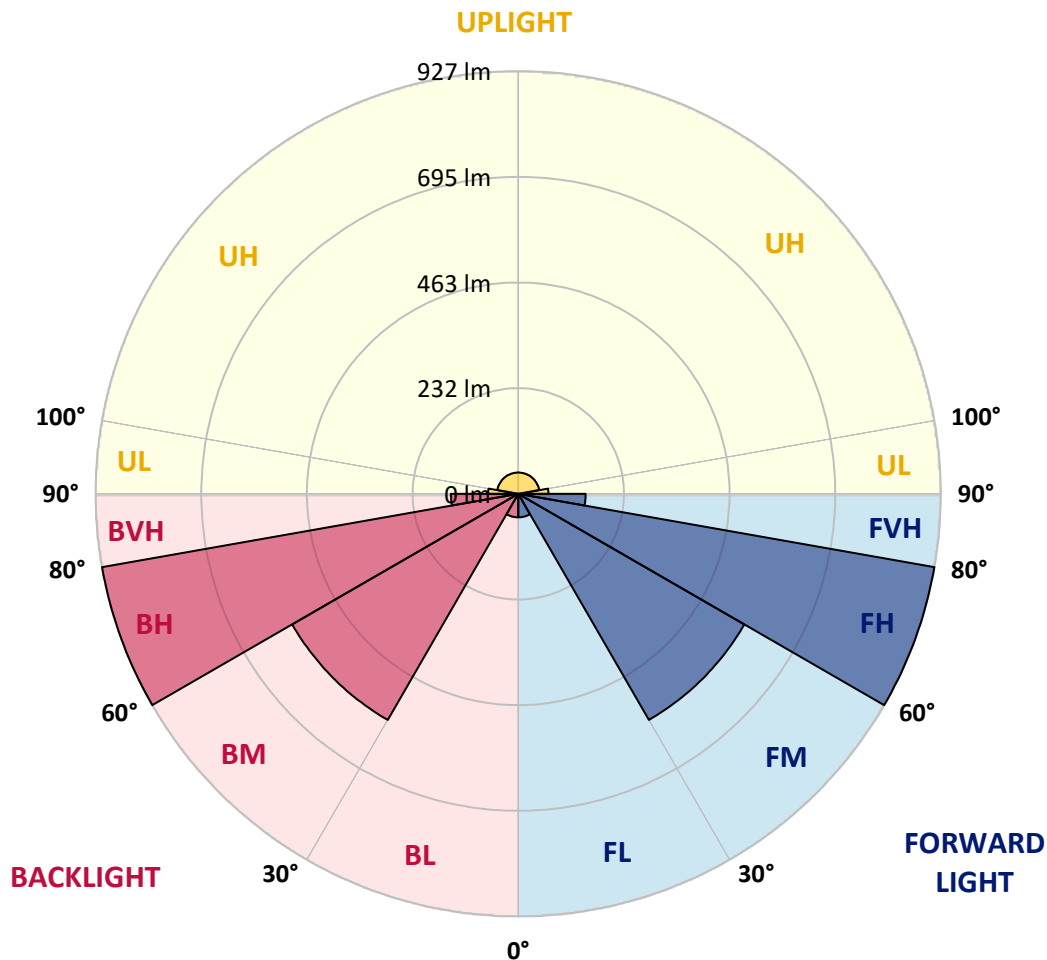
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	51.6	1.5			
FM (30°-60°)	572.6	16.3			
FH (60°-80°)	926.7	26.4			G1/1800
FVH (80°-90°)	147.7	4.2			G2/225
BL (0°-30°)	51.6	1.5	B0/110		
BM (30°-60°)	572.6	16.3	B1/1000		
BH (60°-80°)	926.7	26.4	B2/1000		G1/1800
BVH (80°-90°)	147.7	4.2			G2/225
UL (90°-100°)	66.2	1.9		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°	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4
2.5°	41.4	41.4	41.4	41.4	42.5	42.5	42.5	41.4	41.4	41.4	41.4
5°	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	43.7
7.5°	49.6	49.6	49.6	49.6	49.6	50.8	49.6	49.6	49.6	49.6	49.6
10°	57.9	57.9	57.9	57.9	56.7	56.7	56.7	56.7	55.5	56.7	55.5
12.5°	68.5	68.5	68.5	67.4	66.2	66.2	66.2	65.0	66.2	66.2	66.2
15°	82.7	82.7	81.5	80.4	78.0	76.8	78.0	78.0	78.0	79.2	79.2
17.5°	98.1	99.3	96.9	94.5	92.2	92.2	91.0	92.2	94.5	95.7	95.7
20°	120.5	119.4	115.8	112.3	108.7	107.5	107.5	111.1	113.4	114.6	115.8
22.5°	143.0	143.0	139.4	132.3	127.6	125.3	126.4	130.0	135.9	140.6	140.6
25°	171.3	169.0	164.3	154.8	147.7	145.3	146.5	152.4	161.9	165.4	167.8
27.5°	199.7	198.5	191.4	180.8	170.2	165.4	169.0	179.6	190.3	197.3	199.7
30°	232.8	231.6	223.3	209.2	195.0	187.9	193.8	206.8	223.3	231.6	234.0
32.5°	269.4	268.2	257.6	238.7	219.8	212.7	219.8	238.7	257.6	268.2	269.4
35°	308.4	304.9	293.1	271.8	247.0	237.5	247.0	271.8	294.2	308.4	309.6
37.5°	347.4	345.1	332.1	307.2	277.7	265.9	276.5	308.4	333.2	349.8	346.2
40°	387.6	386.4	373.4	343.9	310.8	295.4	312.0	343.9	374.6	392.3	393.5
42.5°	433.7	433.7	417.1	386.4	346.2	328.5	346.2	387.6	421.9	436.0	437.2
45°	484.5	480.9	467.9	434.9	388.8	367.5	388.8	434.9	469.1	485.7	484.5
47.5°	537.7	535.3	523.5	490.4	436.0	413.6	434.9	488.0	523.5	535.3	535.3
50°	599.1	596.8	586.1	551.8	492.8	465.6	493.9	547.1	586.1	596.8	593.2
52.5°	670.0	662.9	658.2	625.1	561.3	525.9	556.6	620.4	655.8	658.2	658.2
55°	739.7	744.5	740.9	705.5	634.6	592.0	629.8	699.6	731.5	736.2	730.3
57.5°	828.4	833.1	830.7	794.1	717.3	666.5	709.0	785.8	813.0	811.8	810.6
60°	926.4	928.8	926.4	894.5	809.5	745.6	796.5	876.8	902.8	895.7	889.8
62.5°	1012.7	1015.1	1016.3	992.6	891.0	820.1	872.1	963.1	983.2	971.3	967.8
65°	1082.4	1081.2	1093.1	1068.2	960.7	881.5	940.6	1036.3	1048.2	1029.2	1023.3
67.5°	1107.2	1112.0	1134.4	1110.8	1002.1	921.7	983.2	1068.2	1076.5	1052.9	1041.1
70°	1075.3	1086.0	1113.1	1101.3	1002.1	927.6	984.3	1058.8	1055.2	1025.7	1013.9
72.5°	987.9	990.3	1024.5	1030.4	957.2	895.7	939.4	992.6	974.9	934.7	931.2
75°	833.1	833.1	875.6	901.6	861.4	811.8	846.1	869.7	842.5	795.3	789.4
77.5°	638.1	645.2	680.7	737.4	727.9	704.3	719.6	724.4	667.7	618.0	619.2
80°	449.0	458.5	496.3	554.2	570.8	569.6	573.1	542.4	489.2	449.0	443.1
82.5°	301.3	296.6	332.1	384.0	423.0	430.1	427.8	385.2	333.2	295.4	290.7
85°	183.2	184.3	212.7	255.2	290.7	308.4	295.4	257.6	210.3	185.5	184.3
87.5°	113.4	115.8	132.3	160.7	197.3	213.9	199.7	166.6	132.3	114.6	113.4
90°	76.8	76.8	87.4	105.2	130.0	146.5	133.5	107.5	87.4	76.8	75.6
92.5°	55.5	57.9	61.4	73.3	91.0	101.6	92.2	73.3	61.4	55.5	54.4
95°	43.7	43.7	47.3	53.2	66.2	73.3	66.2	54.4	47.3	42.5	42.5
97.5°	34.3	35.5	37.8	42.5	50.8	55.5	50.8	42.5	37.8	34.3	33.1
100°	27.2	28.4	30.7	35.5	41.4	43.7	41.4	35.5	30.7	27.2	27.2
102.5°	21.3	22.5	24.8	29.5	34.3	35.5	34.3	28.4	24.8	21.3	21.3
105°	16.5	16.5	20.1	24.8	28.4	29.5	28.4	23.6	20.1	16.5	16.5
107.5°	13.0	13.0	16.5	20.1	23.6	24.8	23.6	20.1	15.4	13.0	13.0
110°	10.6	10.6	13.0	16.5	20.1	21.3	20.1	16.5	13.0	10.6	10.6

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	8.3	8.3	10.6	14.2	16.5	17.7	16.5	14.2	10.6	8.3	8.3
115°	7.1	7.1	8.3	11.8	14.2	15.4	14.2	11.8	8.3	7.1	7.1
117.5°	5.9	5.9	7.1	9.5	11.8	13.0	11.8	9.5	7.1	5.9	5.9
120°	5.9	5.9	5.9	8.3	10.6	11.8	10.6	8.3	5.9	5.9	5.9
122.5°	4.7	4.7	5.9	7.1	9.5	9.5	8.3	7.1	5.9	4.7	4.7
125°	4.7	4.7	4.7	5.9	7.1	8.3	7.1	5.9	4.7	4.7	4.7
127.5°	4.7	4.7	4.7	4.7	7.1	7.1	7.1	4.7	4.7	4.7	4.7
130°	3.5	3.5	3.5	4.7	5.9	5.9	5.9	4.7	4.7	3.5	4.7
132.5°	3.5	3.5	3.5	4.7	4.7	5.9	4.7	4.7	3.5	3.5	3.5
135°	3.5	3.5	3.5	3.5	4.7	4.7	4.7	3.5	3.5	3.5	3.5
137.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
140°	2.4	2.4	2.4	2.4	3.5	3.5	3.5	2.4	2.4	3.5	2.4
142.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
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°	1.2	2.4	1.2	1.2	1.2	2.4	2.4	2.4	2.4	2.4	2.4
150°	1.2	1.2	1.2	1.2	1.2	1.2	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)