

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: P694524

Luminaire Tested: **LXF.LXT-PA16-20-730-U-5WQ-TL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694524
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-PA16-20-730-U-5WQ-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 420mA 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: 2712 lumens
Efficiency: N/A
Efficacy: 124.4 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

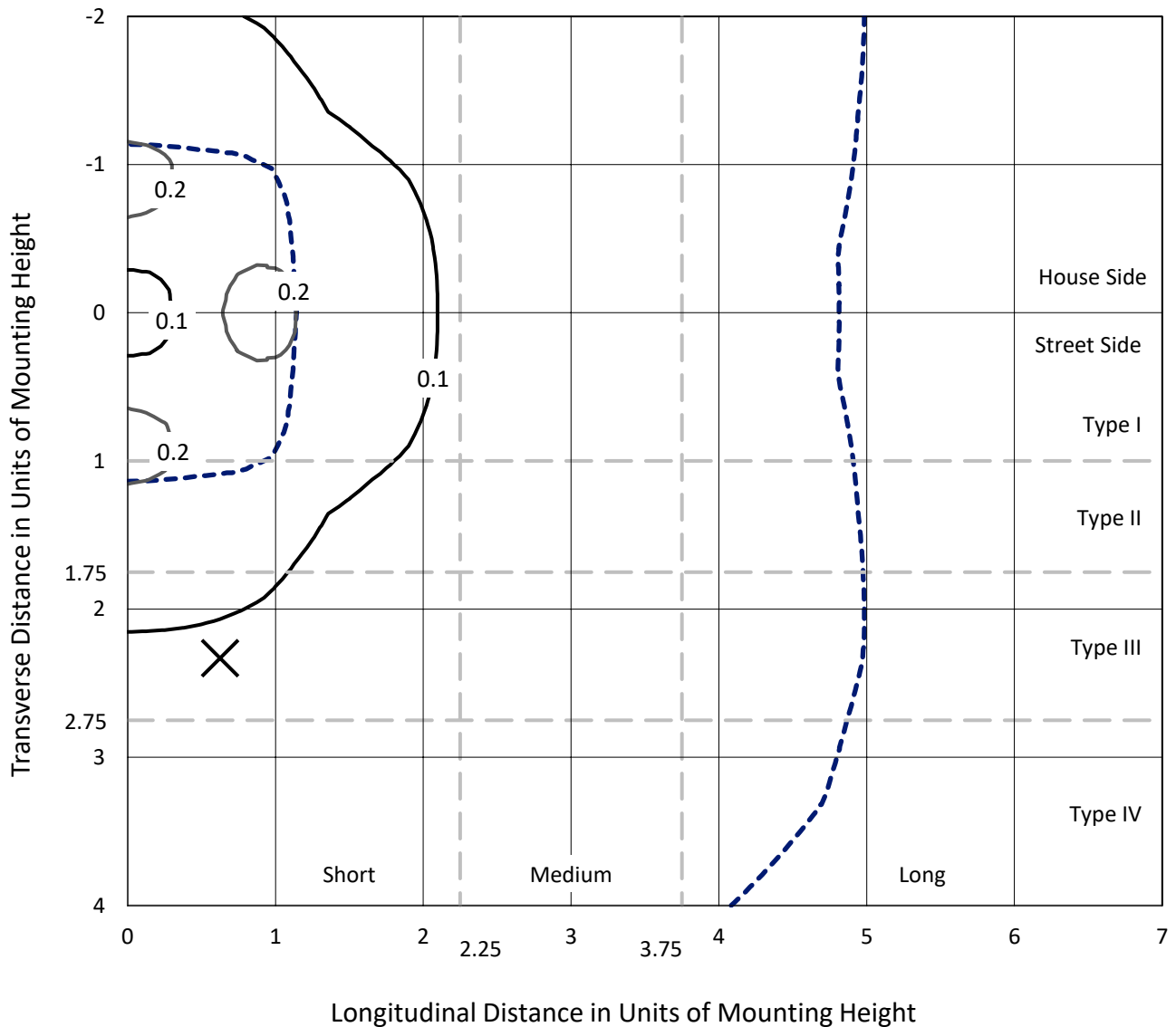
Input Watts (W): 21.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

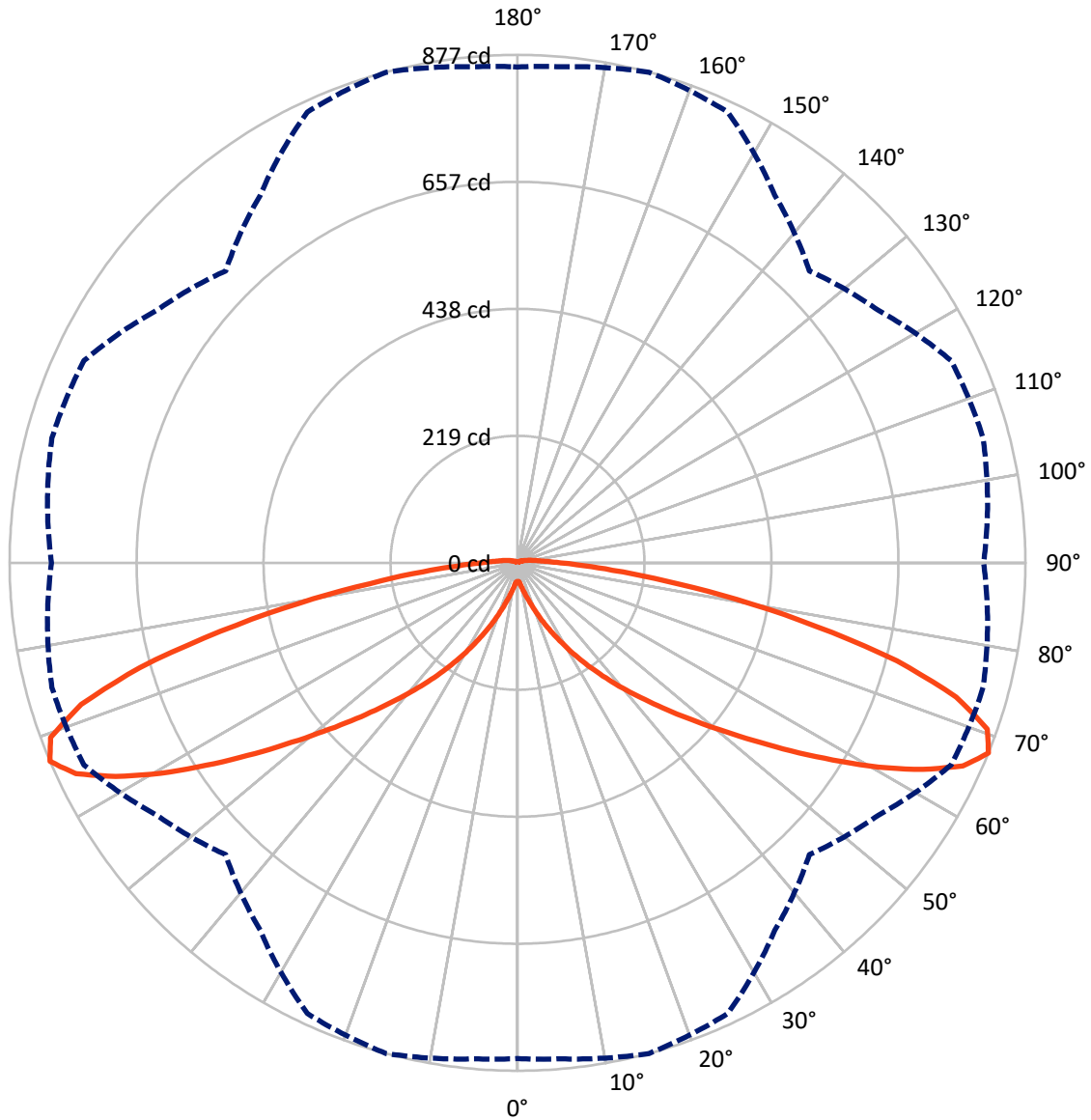
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.2 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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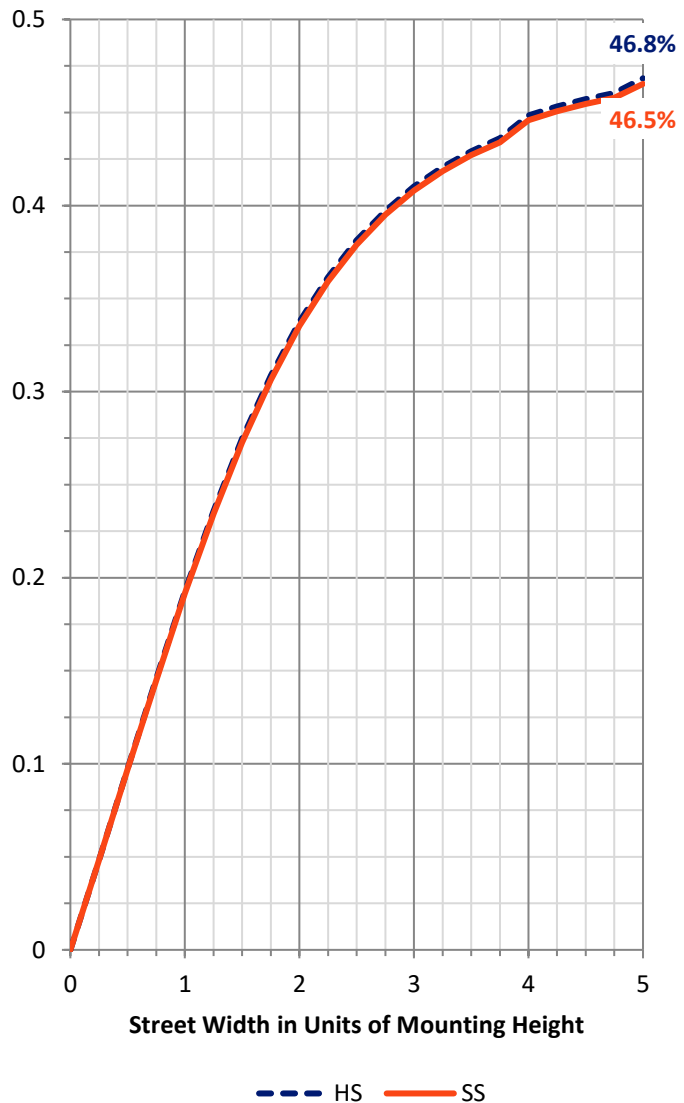
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1312.4	43.6	1356.0
	% Fixture	48.4	1.6	50.0
Street Side	Lumens	1312.4	43.6	1356.0
	% Fixture	48.4	1.6	50.0
Total	Lumens	2624.8	87.2	2712.0
	% Fixture	96.8	3.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.6	0.1
10°-20°	18.4	0.7
20°-30°	57.8	2.1
30°-40°	135.7	5.0
40°-50°	264.7	9.8
50°-60°	484.3	17.9
60°-70°	761.1	28.1
70°-80°	671.0	24.7
80°-90°	228.2	8.4
90°-100°	51.1	1.9
100°-110°	19.6	0.7
110°-120°	8.7	0.3
120°-130°	4.3	0.2
130°-140°	2.3	0.1
140°-150°	1.1	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2624.8	96.8
0°-180°	2712.0	100.0

Coefficient of Utilization



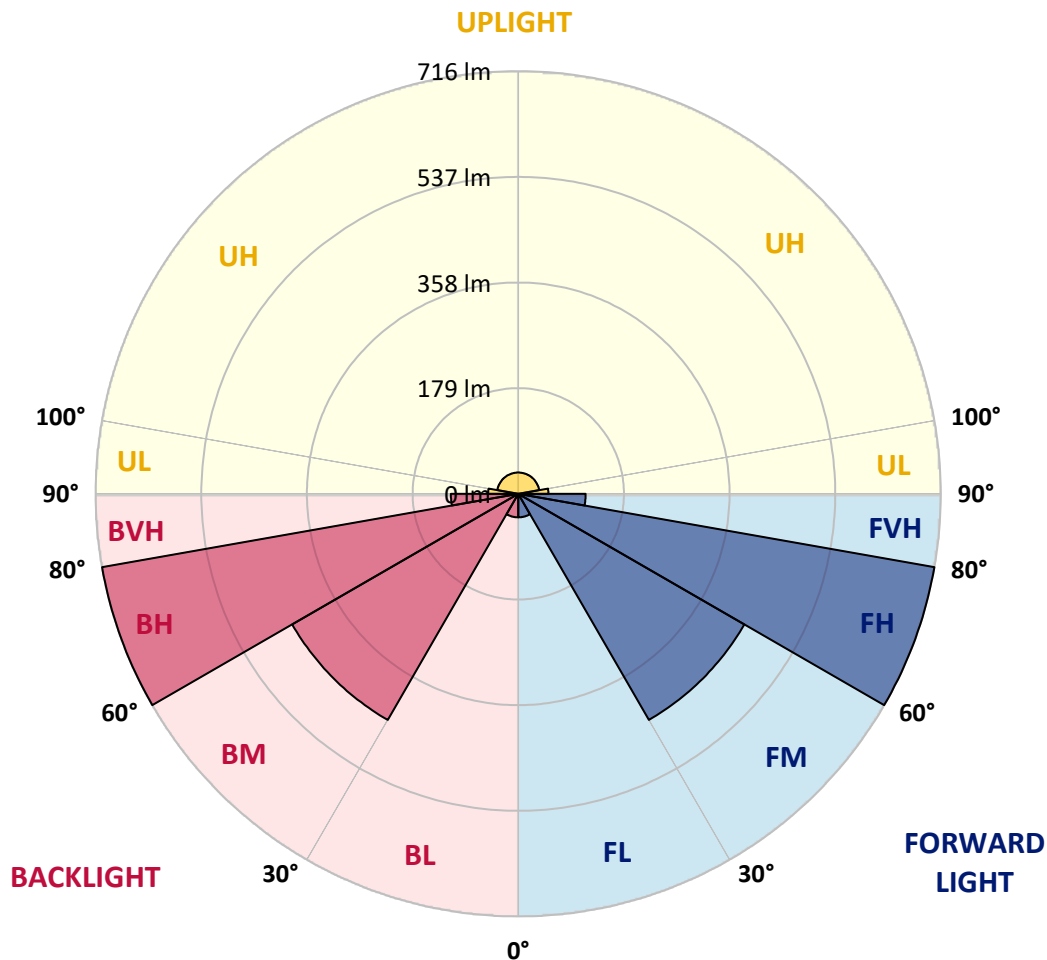
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	39.9	1.5			
FM (30°-60°)	442.4	16.3			
FH (60°-80°)	716.0	26.4			G1/1800
FVH (80°-90°)	114.1	4.2			G2/225
BL (0°-30°)	39.9	1.5	B0/110		
BM (30°-60°)	442.4	16.3	B1/1000		
BH (60°-80°)	716.0	26.4	B2/1000		G1/1800
BVH (80°-90°)	114.1	4.2			G2/225
UL (90°-100°)	51.1	1.9		U3/500	
UH (100°-180°)	36.1	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°	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0
2.5°	32.0	32.0	32.0	32.0	32.9	32.9	32.9	32.0	32.0	32.0	32.0
5°	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	33.8
7.5°	38.3	38.3	38.3	38.3	38.3	39.3	38.3	38.3	38.3	38.3	38.3
10°	44.7	44.7	44.7	44.7	43.8	43.8	43.8	43.8	42.9	43.8	42.9
12.5°	53.0	53.0	53.0	52.0	51.1	51.1	51.1	50.2	51.1	51.1	51.1
15°	63.9	63.9	63.0	62.1	60.3	59.3	60.3	60.3	60.3	61.2	61.2
17.5°	75.8	76.7	74.9	73.0	71.2	71.2	70.3	71.2	73.0	74.0	74.0
20°	93.1	92.2	89.5	86.7	84.0	83.1	83.1	85.8	87.7	88.6	89.5
22.5°	110.5	110.5	107.7	102.3	98.6	96.8	97.7	100.4	105.0	108.7	108.7
25°	132.4	130.6	126.9	119.6	114.1	112.3	113.2	117.8	125.1	127.8	129.7
27.5°	154.3	153.4	147.9	139.7	131.5	127.8	130.6	138.8	147.0	152.5	154.3
30°	179.9	179.0	172.6	161.6	150.6	145.2	149.7	159.8	172.6	179.0	180.8
32.5°	208.2	207.3	199.0	184.4	169.8	164.3	169.8	184.4	199.0	207.3	208.2
35°	238.3	235.6	226.4	210.0	190.8	183.5	190.8	210.0	227.3	238.3	239.2
37.5°	268.4	266.6	256.6	237.4	214.6	205.4	213.6	238.3	257.5	270.3	267.5
40°	299.5	298.6	288.5	265.7	240.1	228.3	241.0	265.7	289.4	303.1	304.0
42.5°	335.1	335.1	322.3	298.6	267.5	253.8	267.5	299.5	326.0	336.9	337.8
45°	374.3	371.6	361.6	336.0	300.4	284.0	300.4	336.0	362.5	375.3	374.3
47.5°	415.4	413.6	404.5	378.9	336.9	319.6	336.0	377.1	404.5	413.6	413.6
50°	462.9	461.1	452.9	426.4	380.7	359.7	381.6	422.7	452.9	461.1	458.3
52.5°	517.7	512.2	508.6	483.0	433.7	406.3	430.0	479.3	506.7	508.6	508.6
55°	571.6	575.2	572.5	545.1	490.3	457.4	486.6	540.5	565.2	568.8	564.3
57.5°	640.0	643.7	641.9	613.6	554.2	514.9	547.8	607.2	628.2	627.3	626.3
60°	715.8	717.6	715.8	691.2	625.4	576.1	615.4	677.5	697.6	692.1	687.5
62.5°	782.5	784.3	785.2	766.9	688.4	633.6	673.8	744.1	759.6	750.5	747.8
65°	836.3	835.4	844.6	825.4	742.3	681.1	726.8	800.7	809.9	795.2	790.7
67.5°	855.5	859.2	876.5	858.2	774.2	712.2	759.6	825.4	831.8	813.5	804.4
70°	830.9	839.1	860.1	850.9	774.2	716.7	760.6	818.1	815.3	792.5	783.4
72.5°	763.3	765.1	791.6	796.2	739.6	692.1	725.9	766.9	753.2	722.2	719.5
75°	643.7	643.7	676.6	696.6	665.6	627.3	653.7	672.0	651.0	614.5	609.9
77.5°	493.0	498.5	525.9	569.7	562.4	544.2	556.0	559.7	515.9	477.5	478.4
80°	347.0	354.3	383.5	428.2	441.0	440.1	442.8	419.1	378.0	347.0	342.4
82.5°	232.8	229.2	256.6	296.7	326.9	332.3	330.5	297.6	257.5	228.3	224.6
85°	141.5	142.4	164.3	197.2	224.6	238.3	228.3	199.0	162.5	143.3	142.4
87.5°	87.7	89.5	102.3	124.2	152.5	165.3	154.3	128.7	102.3	88.6	87.7
90°	59.3	59.3	67.6	81.3	100.4	113.2	103.2	83.1	67.6	59.3	58.4
92.5°	42.9	44.7	47.5	56.6	70.3	78.5	71.2	56.6	47.5	42.9	42.0
95°	33.8	33.8	36.5	41.1	51.1	56.6	51.1	42.0	36.5	32.9	32.9
97.5°	26.5	27.4	29.2	32.9	39.3	42.9	39.3	32.9	29.2	26.5	25.6
100°	21.0	21.9	23.7	27.4	32.0	33.8	32.0	27.4	23.7	21.0	21.0
102.5°	16.4	17.3	19.2	22.8	26.5	27.4	26.5	21.9	19.2	16.4	16.4
105°	12.8	12.8	15.5	19.2	21.9	22.8	21.9	18.3	15.5	12.8	12.8
107.5°	10.0	10.0	12.8	15.5	18.3	19.2	18.3	15.5	11.9	10.0	10.0
110°	8.2	8.2	10.0	12.8	15.5	16.4	15.5	12.8	10.0	8.2	8.2

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	6.4	6.4	8.2	11.0	12.8	13.7	12.8	11.0	8.2	6.4	6.4
115°	5.5	5.5	6.4	9.1	11.0	11.9	11.0	9.1	6.4	5.5	5.5
117.5°	4.6	4.6	5.5	7.3	9.1	10.0	9.1	7.3	5.5	4.6	4.6
120°	4.6	4.6	4.6	6.4	8.2	9.1	8.2	6.4	4.6	4.6	4.6
122.5°	3.7	3.7	4.6	5.5	7.3	7.3	6.4	5.5	4.6	3.7	3.7
125°	3.7	3.7	3.7	4.6	5.5	6.4	5.5	4.6	3.7	3.7	3.7
127.5°	3.7	3.7	3.7	3.7	5.5	5.5	5.5	3.7	3.7	3.7	3.7
130°	2.7	2.7	2.7	3.7	4.6	4.6	4.6	3.7	3.7	2.7	3.7
132.5°	2.7	2.7	2.7	3.7	3.7	4.6	3.7	3.7	2.7	2.7	2.7
135°	2.7	2.7	2.7	2.7	3.7	3.7	3.7	2.7	2.7	2.7	2.7
137.5°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
140°	1.8	1.8	1.8	1.8	2.7	2.7	2.7	1.8	1.8	2.7	1.8
142.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
145°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
147.5°	0.9	1.8	0.9	0.9	0.9	1.8	1.8	1.8	1.8	1.8	1.8
150°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
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)