

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: P694523

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

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694523
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-4)
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-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 420mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS
AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2655 lumens
Efficiency: N/A
Efficacy: 121.8 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type V - Medium
BUG Rating: B2 - U3 - G2

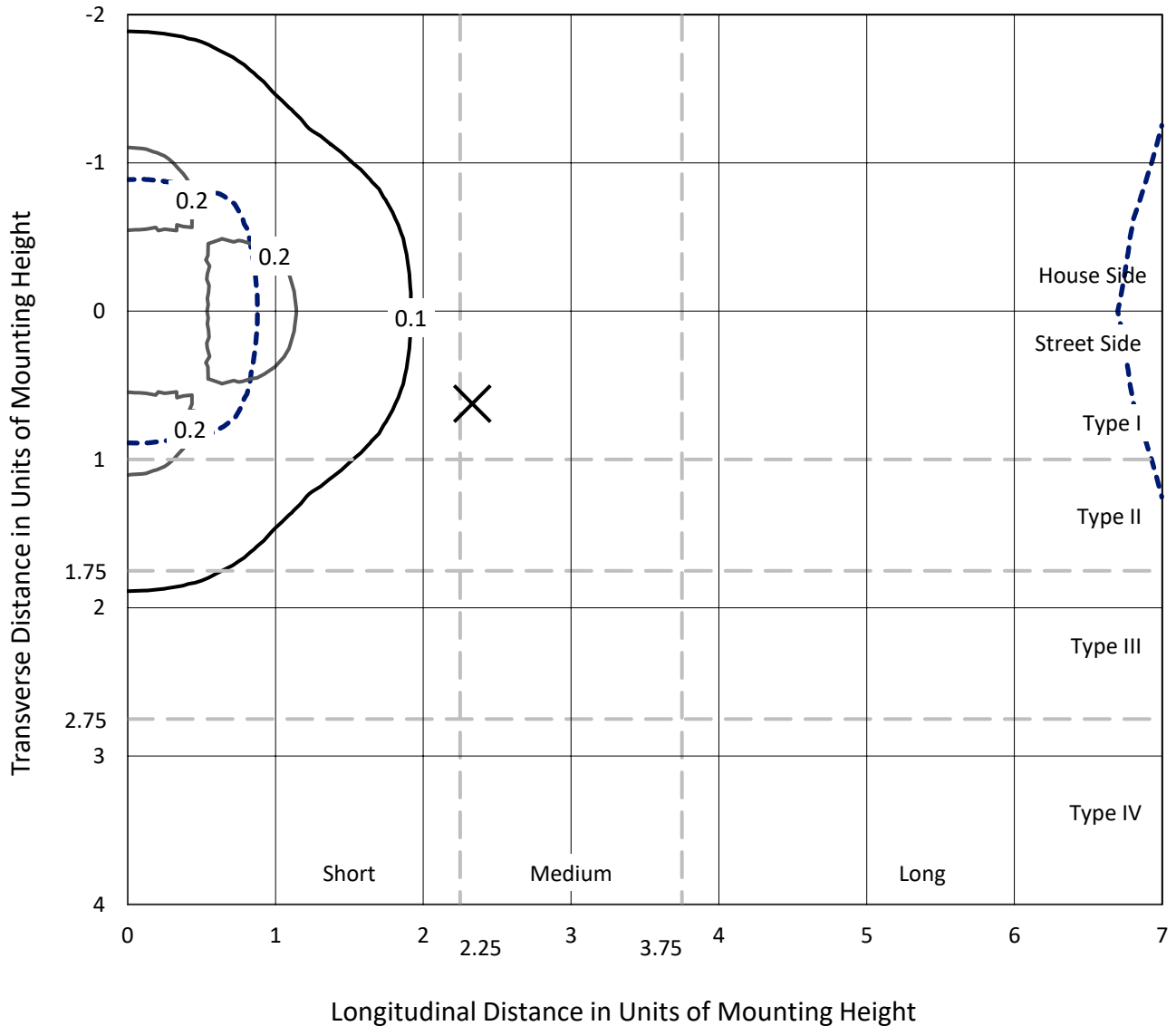
Input Watts (W): 21.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

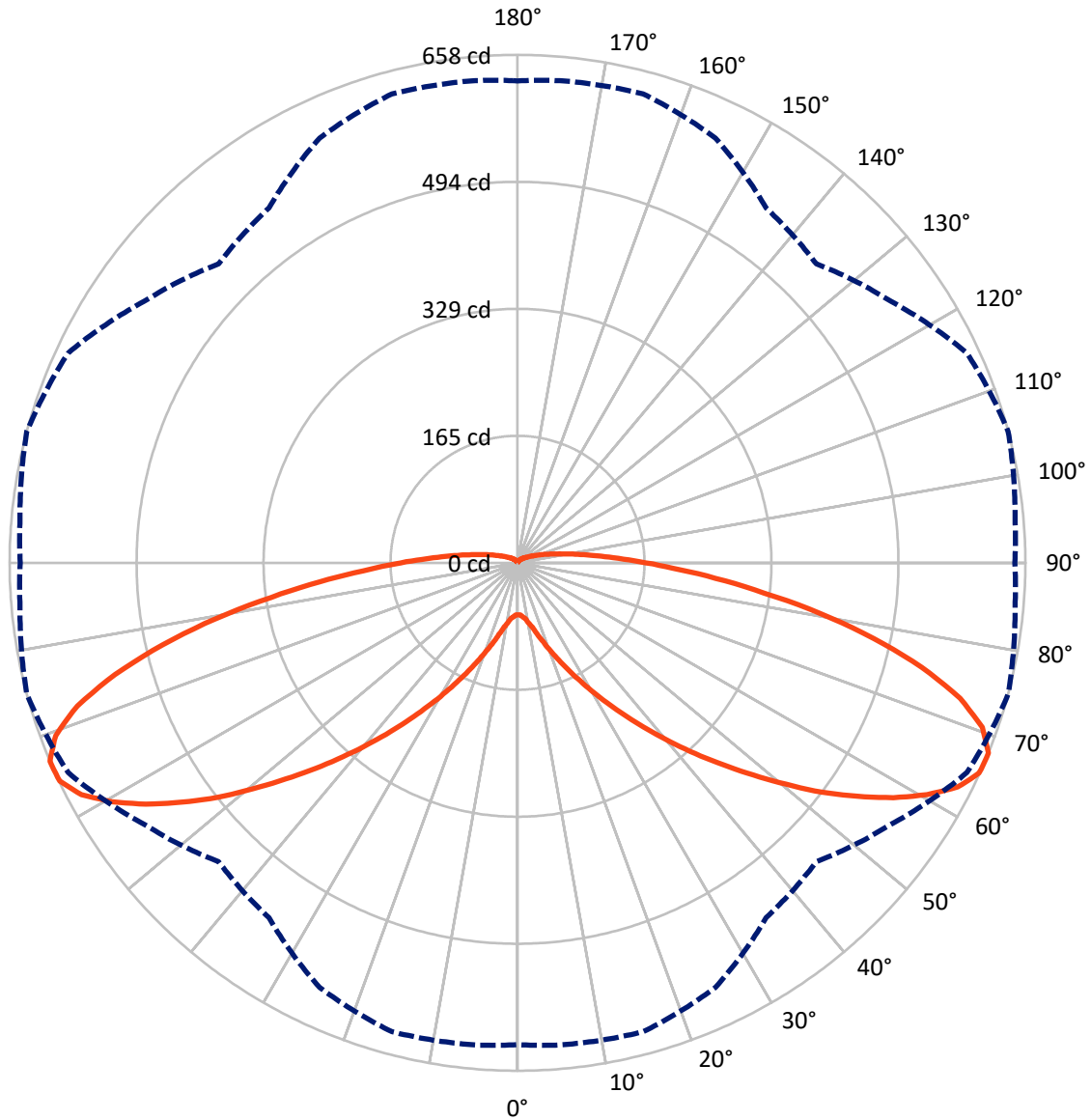
× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.2 fc
Type V - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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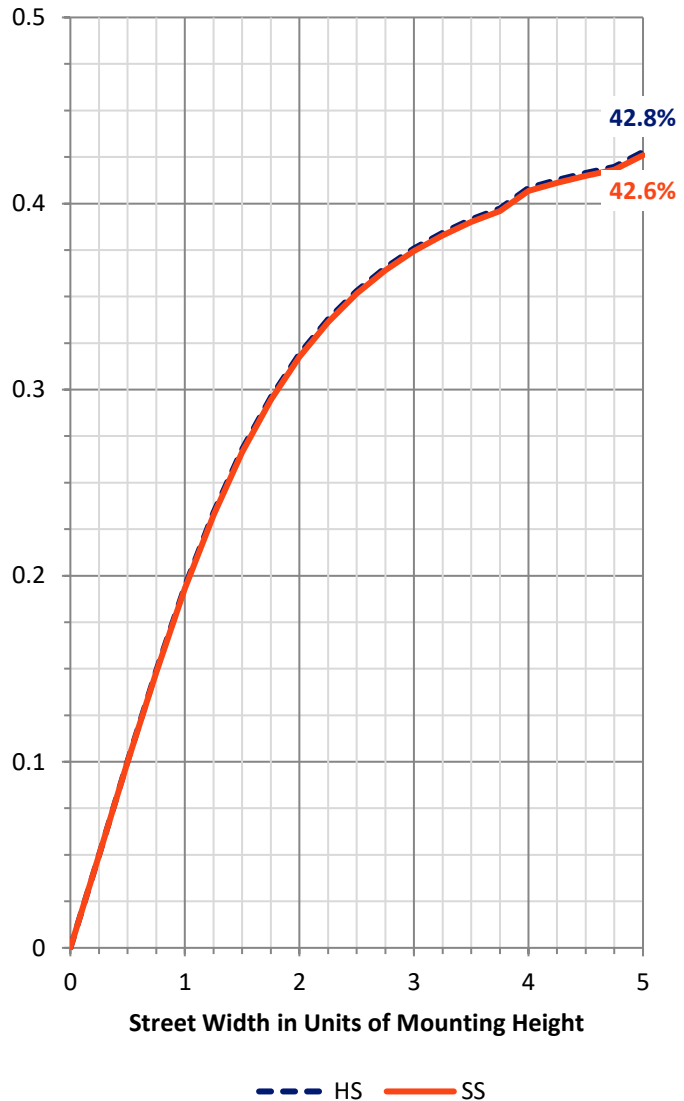
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1211.4	116.1	1327.5
	% Fixture	45.6	4.4	50.0
Street Side	Lumens	1211.4	116.1	1327.5
	% Fixture	45.6	4.4	50.0
Total	Lumens	2422.7	232.3	2655.0
	% Fixture	91.3	8.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.0	0.3
10°-20°	28.2	1.1
20°-30°	72.2	2.7
30°-40°	151.4	5.7
40°-50°	276.2	10.4
50°-60°	447.2	16.8
60°-70°	595.1	22.4
70°-80°	542.3	20.4
80°-90°	303.1	11.4
90°-100°	128.9	4.9
100°-110°	55.8	2.1
110°-120°	26.3	1.0
120°-130°	12.9	0.5
130°-140°	6.0	0.2
140°-150°	2.2	0.1
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2422.7	91.3
0°-180°	2655.0	100.0

Coefficient of Utilization

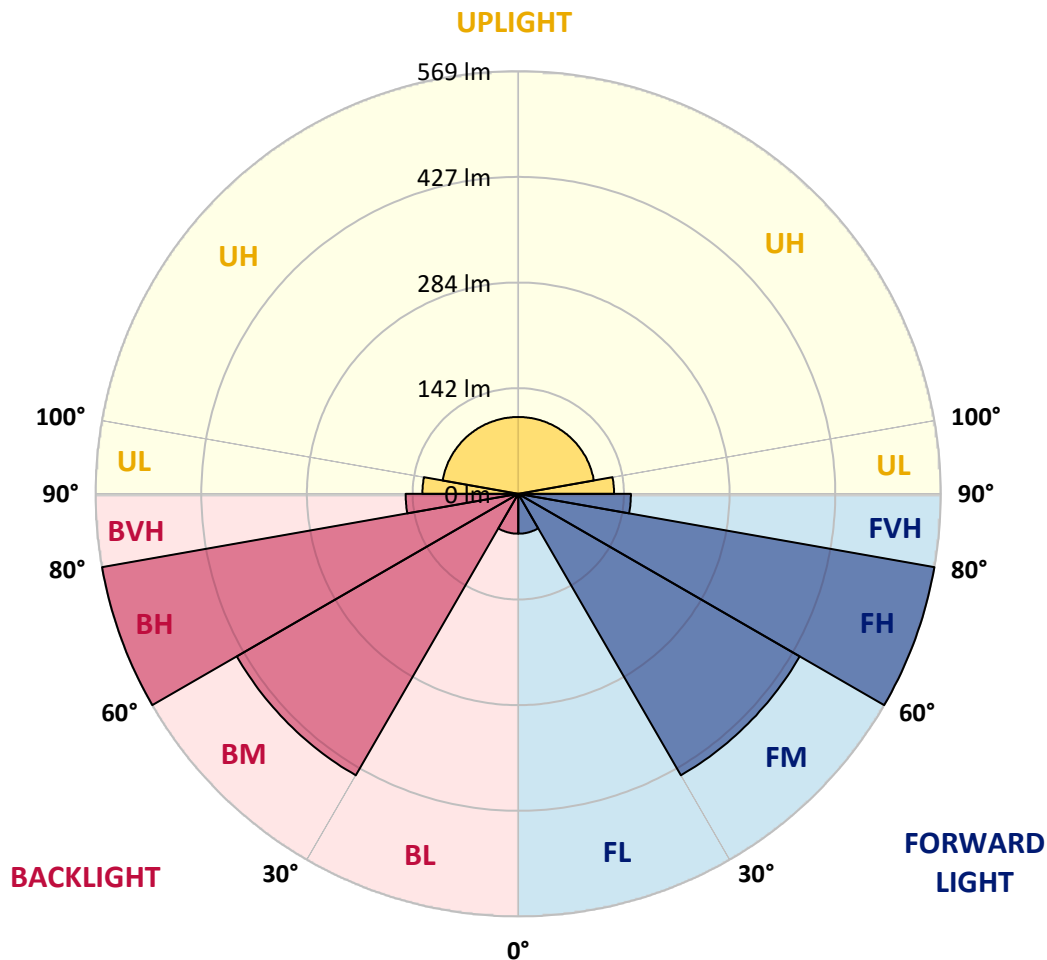


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	53.7	2.0			
FM (30°-60°)	437.4	16.5			
FH (60°-80°)	568.7	21.4			G0/660
FVH (80°-90°)	151.6	5.7			G2/225
BL (0°-30°)	53.7	2.0	B0/110		
BM (30°-60°)	437.4	16.5	B1/1000		
BH (60°-80°)	568.7	21.4	B2/1000		G0/660
BVH (80°-90°)	151.6	5.7			G2/225
UL (90°-100°)	128.9	4.9		U3/500	
UH (100°-180°)	103.4	3.9		U3/500	

BUG Rating: B2-U3-G2
 Type V Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
2.5°	67.6	67.6	67.6	67.6	67.6	68.5	68.5	67.6	67.6	67.6	67.6
5°	69.4	69.4	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
7.5°	73.0	73.0	73.0	73.9	73.9	73.9	73.9	73.0	73.0	73.0	73.9
10°	79.4	79.4	78.5	79.4	78.5	78.5	79.4	78.5	79.4	78.5	78.5
12.5°	86.7	86.7	86.7	86.7	85.8	85.8	85.8	85.8	85.8	86.7	86.7
15°	96.8	96.8	96.8	95.9	94.9	94.0	94.9	95.9	95.9	96.8	96.8
17.5°	109.5	109.5	108.6	107.7	106.8	105.9	105.9	106.8	107.7	108.6	108.6
20°	123.2	123.2	122.3	120.5	118.7	119.6	119.6	120.5	121.4	122.3	122.3
22.5°	138.8	137.8	136.9	135.1	134.2	133.3	134.2	134.2	136.9	138.8	137.8
25°	156.1	156.1	154.3	151.5	149.7	149.7	150.6	151.5	154.3	156.1	157.0
27.5°	176.2	174.4	172.5	169.8	167.1	166.1	167.1	170.7	173.5	177.1	176.2
30°	198.1	197.2	193.5	189.9	185.3	183.5	187.1	190.8	195.4	198.1	199.9
32.5°	221.8	221.8	217.3	210.9	205.4	203.6	206.3	213.6	219.1	222.7	225.5
35°	247.4	247.4	241.9	234.6	227.3	223.7	229.1	238.3	245.6	251.0	252.0
37.5°	277.5	275.7	270.2	260.2	248.3	246.5	252.9	263.8	273.9	280.3	280.3
40°	307.6	305.8	300.3	287.6	272.0	269.3	276.6	293.0	304.9	310.4	311.3
42.5°	340.5	337.8	332.3	318.6	299.4	294.0	304.9	324.1	337.8	344.2	344.2
45°	372.5	373.4	365.2	349.6	328.6	320.4	334.1	356.9	373.4	378.9	380.7
47.5°	408.1	409.0	400.8	381.6	357.9	350.6	366.1	390.7	410.8	415.4	417.2
50°	447.3	447.3	440.9	417.2	390.7	380.7	399.9	431.8	451.0	455.5	456.4
52.5°	485.7	484.7	480.2	453.7	423.6	412.6	434.5	471.1	493.9	494.8	494.8
55°	524.0	523.1	517.6	492.1	456.4	444.6	471.1	512.1	534.0	535.9	536.8
57.5°	557.8	557.8	552.3	526.7	487.5	474.7	505.7	551.4	574.2	574.2	574.2
60°	588.8	588.8	586.1	558.7	516.7	503.0	538.6	587.9	609.8	607.1	607.1
62.5°	612.6	613.5	611.6	584.3	539.5	526.7	566.0	618.0	639.9	634.5	631.7
65°	626.2	627.2	628.1	602.5	556.9	543.2	584.3	639.0	657.3	649.1	646.3
67.5°	624.4	627.2	629.0	607.1	561.4	547.7	590.6	642.7	658.2	647.2	644.5
70°	607.1	610.7	614.4	596.1	554.1	541.3	582.4	630.8	639.0	626.2	621.7
72.5°	573.3	574.2	583.3	570.6	534.0	521.3	556.9	597.9	599.8	584.3	578.8
75°	523.1	523.1	535.0	525.8	498.4	487.5	516.7	546.8	541.3	524.9	518.5
77.5°	459.2	463.8	473.8	472.9	451.0	445.5	466.5	480.2	472.0	451.0	444.6
80°	388.0	391.6	406.2	409.9	397.1	391.6	406.2	410.8	398.0	377.0	371.6
82.5°	322.3	325.9	339.6	349.6	341.4	336.9	344.2	340.5	322.3	304.0	300.3
85°	262.0	262.9	279.3	286.7	286.7	283.0	283.9	273.9	257.4	238.3	232.8
87.5°	209.1	209.1	223.7	234.6	237.4	234.6	231.9	219.1	200.8	185.3	184.4
90°	165.2	166.1	178.0	189.0	193.5	191.7	185.3	172.5	157.9	144.2	142.4
92.5°	131.5	133.3	142.4	153.4	158.8	157.9	150.6	138.8	124.2	113.2	112.3
95°	105.9	105.9	114.1	123.2	129.6	129.6	123.2	111.4	98.6	88.6	87.6
97.5°	84.0	84.9	92.2	100.4	105.9	105.9	100.4	90.4	78.5	70.3	68.5
100°	68.5	68.5	73.9	82.2	87.6	87.6	82.2	73.0	63.0	55.7	54.8
102.5°	54.8	55.7	60.3	67.6	72.1	73.0	68.5	61.2	51.1	44.7	44.7
105°	45.6	45.6	50.2	55.7	60.3	61.2	57.5	50.2	42.0	36.5	35.6
107.5°	37.4	37.4	41.1	47.5	51.1	52.0	48.4	42.0	34.7	30.1	29.2
110°	32.0	31.0	33.8	39.3	43.8	43.8	41.1	35.6	28.3	24.6	24.6

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	26.5	26.5	28.3	32.9	36.5	38.3	35.6	30.1	23.7	21.0	21.0
115°	22.8	22.8	24.6	28.3	32.0	32.0	30.1	24.6	20.1	18.3	18.3
117.5°	20.1	20.1	21.0	23.7	26.5	27.4	25.6	21.0	17.3	15.5	15.5
120°	17.3	17.3	18.3	20.1	22.8	23.7	21.9	18.3	14.6	13.7	13.7
122.5°	15.5	15.5	15.5	17.3	20.1	20.1	18.3	15.5	12.8	11.9	11.9
125°	13.7	13.7	13.7	14.6	16.4	17.3	15.5	12.8	11.0	11.0	11.0
127.5°	11.9	11.9	11.9	12.8	14.6	14.6	13.7	11.0	10.0	10.0	10.0
130°	11.0	11.0	11.0	11.0	11.9	11.9	11.0	9.1	9.1	9.1	9.1
132.5°	9.1	9.1	9.1	9.1	10.0	10.0	9.1	8.2	7.3	8.2	8.2
135°	8.2	8.2	8.2	8.2	8.2	8.2	7.3	6.4	6.4	7.3	7.3
137.5°	7.3	7.3	7.3	6.4	6.4	6.4	5.5	5.5	6.4	6.4	6.4
140°	6.4	6.4	5.5	5.5	5.5	4.6	4.6	4.6	5.5	5.5	5.5
142.5°	5.5	5.5	4.6	4.6	3.7	3.7	3.7	3.7	4.6	4.6	4.6
145°	3.7	3.7	3.7	3.7	2.7	2.7	2.7	2.7	3.7	3.7	3.7
147.5°	2.7	2.7	2.7	2.7	1.8	1.8	1.8	2.7	2.7	2.7	2.7
150°	1.8	1.8	1.8	1.8	1.8	0.9	1.8	1.8	1.8	1.8	1.8
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)