

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: P695033

Luminaire Tested: **LXF.LXT-PA16-40-727-U-5WQ-FL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695033
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-PA16-40-727-U-5WQ-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 740mA 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: 3996 lumens
Efficiency: N/A
Efficacy: 99.4 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 - G3

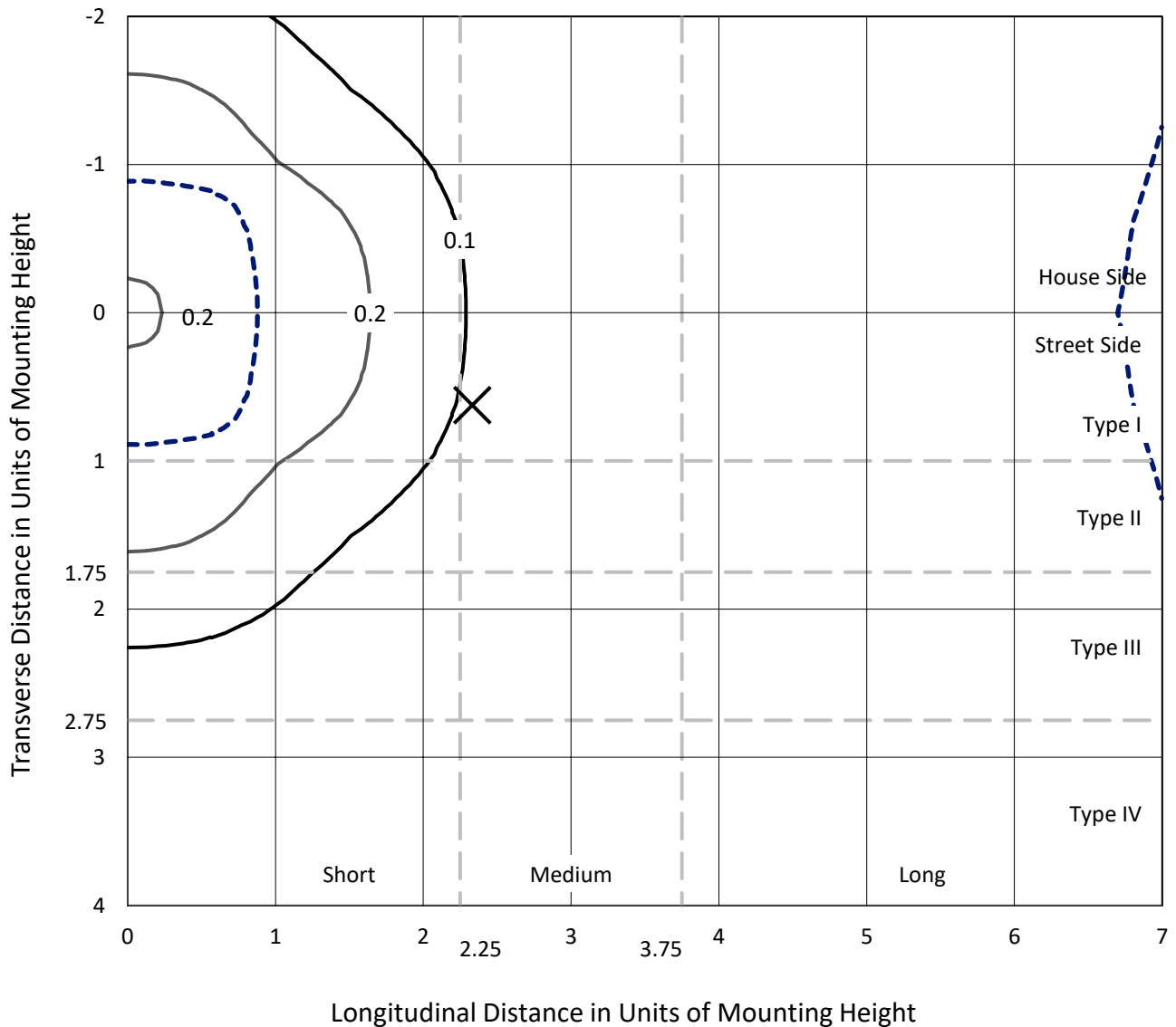
Input Watts (W): 40.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

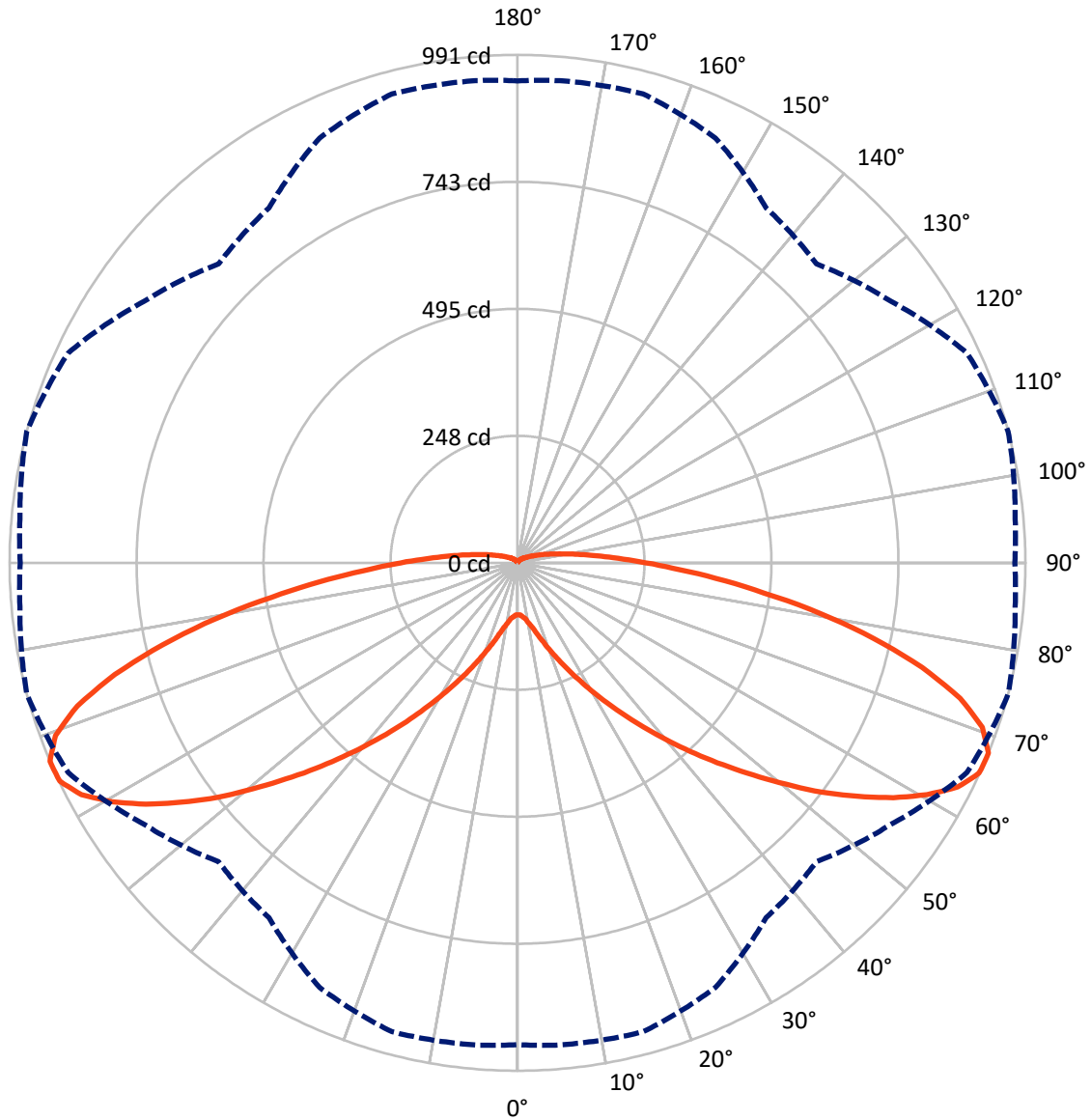
× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.3 fc
Type V - 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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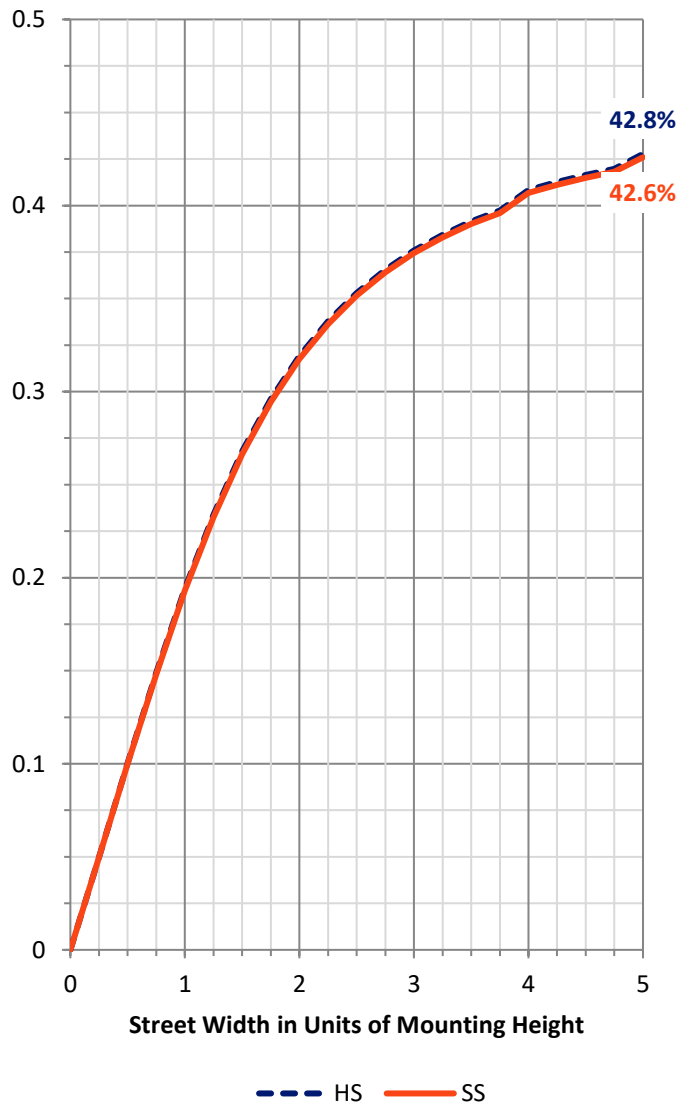
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1823.2	174.8	1998.0
	% Fixture	45.6	4.4	50.0
Street Side	Lumens	1823.2	174.8	1998.0
	% Fixture	45.6	4.4	50.0
Total	Lumens	3646.4	349.6	3996.0
	% Fixture	91.3	8.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.5	0.3
10°-20°	42.5	1.1
20°-30°	108.6	2.7
30°-40°	227.8	5.7
40°-50°	415.7	10.4
50°-60°	673.2	16.8
60°-70°	895.7	22.4
70°-80°	816.3	20.4
80°-90°	456.2	11.4
90°-100°	194.0	4.9
100°-110°	84.0	2.1
110°-120°	39.6	1.0
120°-130°	19.5	0.5
130°-140°	9.1	0.2
140°-150°	3.2	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3646.4	91.3
0°-180°	3996.0	100.0

Coefficient of Utilization



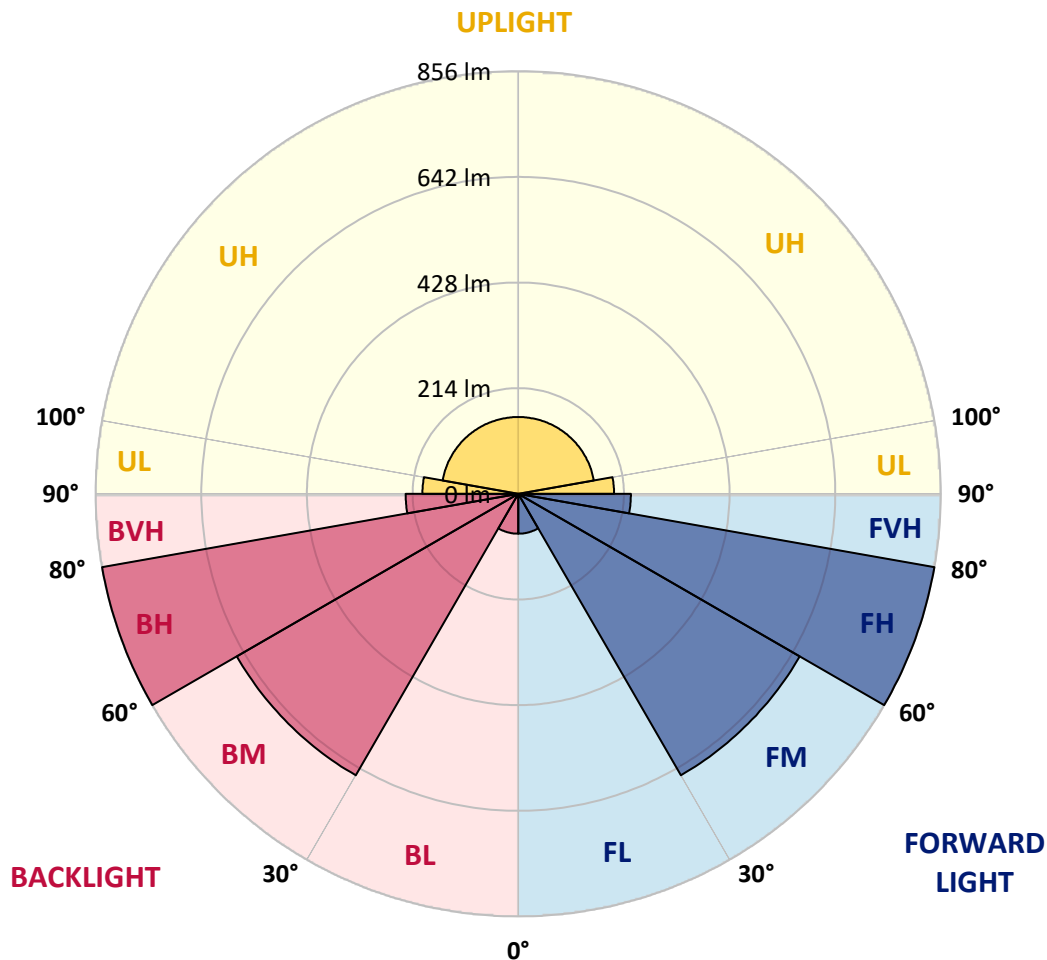
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	80.8	2.0			
FM (30°-60°)	658.4	16.5			
FH (60°-80°)	856.0	21.4			G1/1800
FVH (80°-90°)	228.1	5.7			G3/500
BL (0°-30°)	80.8	2.0	B0/110		
BM (30°-60°)	658.4	16.5	B1/1000		
BH (60°-80°)	856.0	21.4	B2/1000		G1/1800
BVH (80°-90°)	228.1	5.7			G3/500
UL (90°-100°)	194.0	4.9		U3/500	
UH (100°-180°)	155.5	3.9		U3/500	

BUG Rating: B2-U3-G3

Type V Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	101.7	101.7	101.7	101.7	101.7	101.7	101.7	101.7	101.7	101.7	101.7
2.5°	101.7	101.7	101.7	101.7	101.7	103.0	103.0	101.7	101.7	101.7	101.7
5°	104.4	104.4	105.8	105.8	105.8	105.8	105.8	105.8	105.8	105.8	105.8
7.5°	109.9	109.9	109.9	111.3	111.3	111.3	111.3	109.9	109.9	109.9	111.3
10°	119.5	119.5	118.2	119.5	118.2	118.2	119.5	118.2	119.5	118.2	118.2
12.5°	130.5	130.5	130.5	130.5	129.2	129.2	129.2	129.2	129.2	130.5	130.5
15°	145.6	145.6	145.6	144.3	142.9	141.5	142.9	144.3	144.3	145.6	145.6
17.5°	164.9	164.9	163.5	162.1	160.8	159.4	159.4	160.8	162.1	163.5	163.5
20°	185.5	185.5	184.1	181.4	178.6	180.0	180.0	181.4	182.7	184.1	184.1
22.5°	208.8	207.5	206.1	203.4	202.0	200.6	202.0	202.0	206.1	208.8	207.5
25°	235.0	235.0	232.2	228.1	225.3	225.3	226.7	228.1	232.2	235.0	236.3
27.5°	265.2	262.4	259.7	255.6	251.4	250.1	251.4	256.9	261.1	266.6	265.2
30°	298.2	296.8	291.3	285.8	278.9	276.2	281.7	287.2	294.0	298.2	300.9
32.5°	333.9	333.9	327.0	317.4	309.1	306.4	310.5	321.5	329.8	335.3	339.4
35°	372.4	372.4	364.1	353.1	342.1	336.6	344.9	358.6	369.6	377.8	379.2
37.5°	417.7	414.9	406.7	391.6	373.7	371.0	380.6	397.1	412.2	421.8	421.8
40°	463.0	460.3	452.0	432.8	409.4	405.3	416.3	441.1	458.9	467.2	468.5
42.5°	512.5	508.4	500.1	479.5	450.7	442.4	458.9	487.8	508.4	518.0	518.0
45°	560.6	562.0	549.6	526.2	494.6	482.3	502.9	537.2	562.0	570.2	573.0
47.5°	614.2	615.5	603.2	574.3	538.6	527.6	551.0	588.1	618.3	625.2	627.9
50°	673.3	673.3	663.6	627.9	588.1	573.0	601.8	649.9	678.8	685.6	687.0
52.5°	731.0	729.6	722.7	682.9	637.5	621.0	654.0	709.0	743.3	744.7	744.7
55°	788.7	787.3	779.1	740.6	687.0	669.1	709.0	770.8	803.8	806.5	807.9
57.5°	839.5	839.5	831.3	792.8	733.7	714.5	761.2	829.9	864.2	864.2	864.2
60°	886.2	886.2	882.1	840.9	777.7	757.1	810.7	884.9	917.8	913.7	913.7
62.5°	921.9	923.3	920.6	879.4	812.0	792.8	851.9	930.2	963.2	954.9	950.8
65°	942.6	943.9	945.3	906.8	838.1	817.5	879.4	961.8	989.3	976.9	972.8
67.5°	939.8	943.9	946.7	913.7	845.0	824.4	889.0	967.3	990.6	974.2	970.0
70°	913.7	919.2	924.7	897.2	834.0	814.8	876.6	949.4	961.8	942.6	935.7
72.5°	862.9	864.2	878.0	858.7	803.8	784.5	838.1	900.0	902.7	879.4	871.1
75°	787.3	787.3	805.2	791.4	750.2	733.7	777.7	823.0	814.8	790.0	780.4
77.5°	691.1	698.0	713.1	711.7	678.8	670.5	702.1	722.7	710.4	678.8	669.1
80°	583.9	589.4	611.4	616.9	597.7	589.4	611.4	618.3	599.1	567.5	559.2
82.5°	485.0	490.5	511.1	526.2	513.9	507.0	518.0	512.5	485.0	457.5	452.0
85°	394.3	395.7	420.4	431.4	431.4	425.9	427.3	412.2	387.5	358.6	350.4
87.5°	314.6	314.6	336.6	353.1	357.2	353.1	349.0	329.8	302.3	278.9	277.5
90°	248.7	250.1	267.9	284.4	291.3	288.5	278.9	259.7	237.7	217.1	214.3
92.5°	197.9	200.6	214.3	230.8	239.1	237.7	226.7	208.8	186.9	170.4	169.0
95°	159.4	159.4	171.7	185.5	195.1	195.1	185.5	167.6	148.4	133.3	131.9
97.5°	126.4	127.8	138.8	151.1	159.4	159.4	151.1	136.0	118.2	105.8	103.0
100°	103.0	103.0	111.3	123.7	131.9	131.9	123.7	109.9	94.8	83.8	82.4
102.5°	82.4	83.8	90.7	101.7	108.5	109.9	103.0	92.1	76.9	67.3	67.3
105°	68.7	68.7	75.6	83.8	90.7	92.1	86.6	75.6	63.2	55.0	53.6
107.5°	56.3	56.3	61.8	71.4	76.9	78.3	72.8	63.2	52.2	45.3	44.0
110°	48.1	46.7	50.8	59.1	66.0	66.0	61.8	53.6	42.6	37.1	37.1

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	39.8	39.8	42.6	49.5	55.0	57.7	53.6	45.3	35.7	31.6	31.6
115°	34.3	34.3	37.1	42.6	48.1	48.1	45.3	37.1	30.2	27.5	27.5
117.5°	30.2	30.2	31.6	35.7	39.8	41.2	38.5	31.6	26.1	23.4	23.4
120°	26.1	26.1	27.5	30.2	34.3	35.7	33.0	27.5	22.0	20.6	20.6
122.5°	23.4	23.4	23.4	26.1	30.2	30.2	27.5	23.4	19.2	17.9	17.9
125°	20.6	20.6	20.6	22.0	24.7	26.1	23.4	19.2	16.5	16.5	16.5
127.5°	17.9	17.9	17.9	19.2	22.0	22.0	20.6	16.5	15.1	15.1	15.1
130°	16.5	16.5	16.5	16.5	17.9	17.9	16.5	13.7	13.7	13.7	13.7
132.5°	13.7	13.7	13.7	13.7	15.1	15.1	13.7	12.4	11.0	12.4	12.4
135°	12.4	12.4	12.4	12.4	12.4	12.4	11.0	9.6	9.6	11.0	11.0
137.5°	11.0	11.0	11.0	9.6	9.6	9.6	8.2	8.2	9.6	9.6	9.6
140°	9.6	9.6	8.2	8.2	8.2	6.9	6.9	6.9	8.2	8.2	8.2
142.5°	8.2	8.2	6.9	6.9	5.5	5.5	5.5	5.5	6.9	6.9	6.9
145°	5.5	5.5	5.5	5.5	4.1	4.1	4.1	4.1	5.5	5.5	5.5
147.5°	4.1	4.1	4.1	4.1	2.7	2.7	2.7	4.1	4.1	4.1	4.1
150°	2.7	2.7	2.7	2.7	2.7	1.4	2.7	2.7	2.7	2.7	2.7
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)