

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: P694763

Luminaire Tested: **LXF.LXT-PA16-30-727-U-5WQ-FL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694763
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-PA16-30-727-U-5WQ-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 560mA 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: 3164 lumens
Efficiency: N/A
Efficacy: 108.4 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 - G2

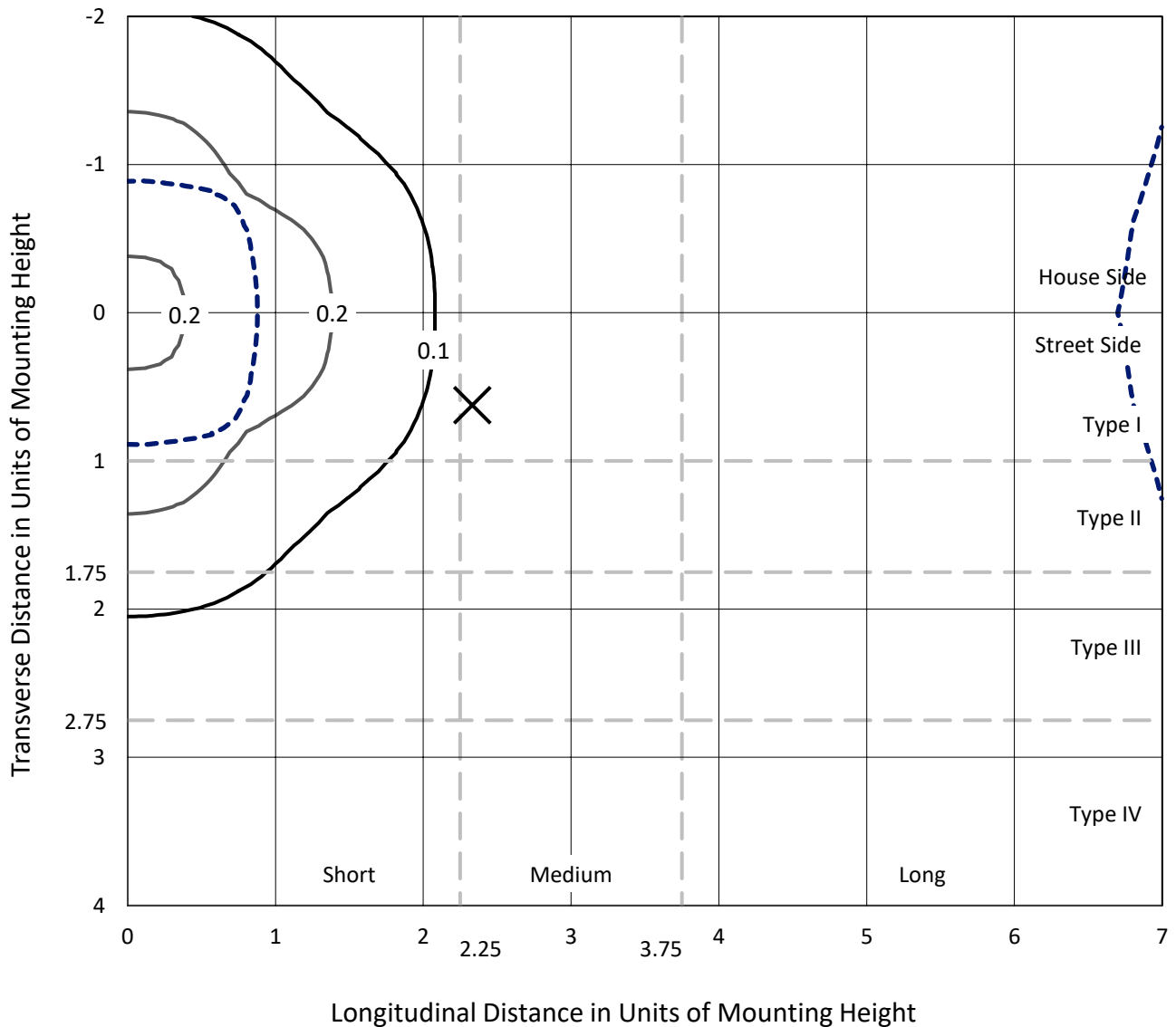
Input Watts (W): 29.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

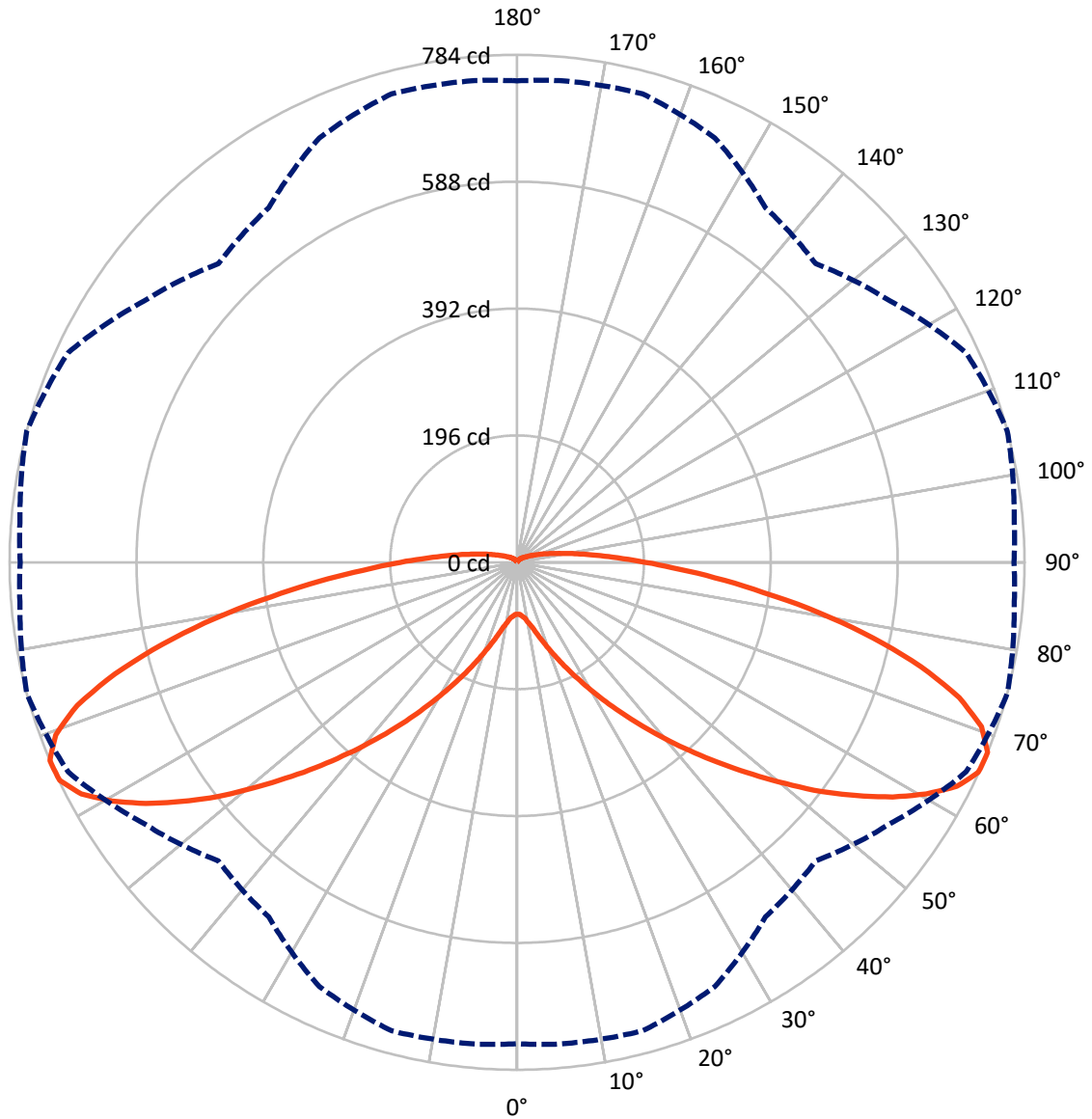
× Max cd
 - - - 1/2 Max cd



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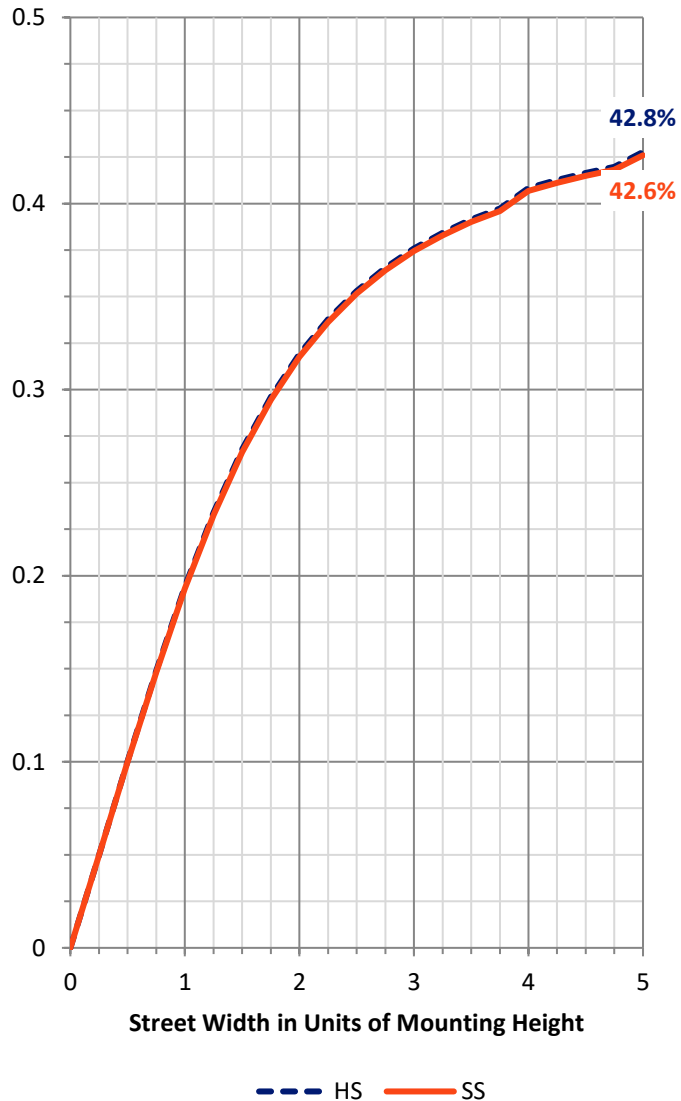
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1443.6	138.4	1582.0
	% Fixture	45.6	4.4	50.0
Street Side	Lumens	1443.6	138.4	1582.0
	% Fixture	45.6	4.4	50.0
Total	Lumens	2887.2	276.8	3164.0
	% Fixture	91.3	8.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.3	0.3
10°-20°	33.6	1.1
20°-30°	86.0	2.7
30°-40°	180.4	5.7
40°-50°	329.2	10.4
50°-60°	533.0	16.8
60°-70°	709.2	22.4
70°-80°	646.3	20.4
80°-90°	361.2	11.4
90°-100°	153.6	4.9
100°-110°	66.5	2.1
110°-120°	31.3	1.0
120°-130°	15.4	0.5
130°-140°	7.2	0.2
140°-150°	2.6	0.1
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2887.2	91.3
0°-180°	3164.0	100.0

Coefficient of Utilization

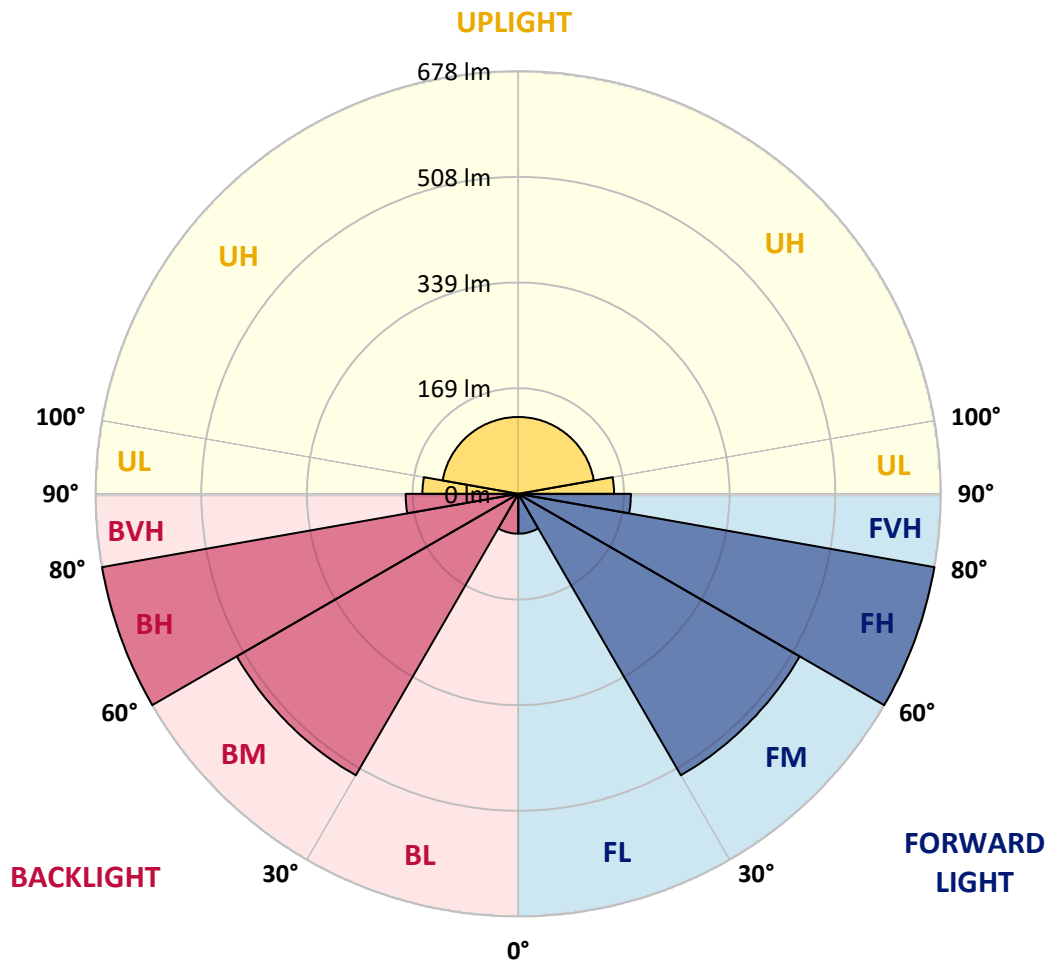


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	64.0	2.0			
FM (30°-60°)	521.3	16.5			
FH (60°-80°)	677.7	21.4			G1/1800
FVH (80°-90°)	180.6	5.7			G2/225
BL (0°-30°)	64.0	2.0	B0/110		
BM (30°-60°)	521.3	16.5	B1/1000		
BH (60°-80°)	677.7	21.4	B2/1000		G1/1800
BVH (80°-90°)	180.6	5.7			G2/225
UL (90°-100°)	153.6	4.9		U3/500	
UH (100°-180°)	123.2	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°	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
2.5°	80.5	80.5	80.5	80.5	80.5	81.6	81.6	80.5	80.5	80.5	80.5
5°	82.7	82.7	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
7.5°	87.0	87.0	87.0	88.1	88.1	88.1	88.1	87.0	87.0	87.0	88.1
10°	94.6	94.6	93.6	94.6	93.6	93.6	94.6	93.6	94.6	93.6	93.6
12.5°	103.4	103.4	103.4	103.4	102.3	102.3	102.3	102.3	102.3	103.4	103.4
15°	115.3	115.3	115.3	114.2	113.1	112.1	113.1	114.2	114.2	115.3	115.3
17.5°	130.5	130.5	129.5	128.4	127.3	126.2	126.2	127.3	128.4	129.5	129.5
20°	146.9	146.9	145.8	143.6	141.4	142.5	142.5	143.6	144.7	145.8	145.8
22.5°	165.4	164.3	163.2	161.0	159.9	158.8	159.9	159.9	163.2	165.4	164.3
25°	186.0	186.0	183.9	180.6	178.4	178.4	179.5	180.6	183.9	186.0	187.1
27.5°	210.0	207.8	205.6	202.4	199.1	198.0	199.1	203.4	206.7	211.1	210.0
30°	236.1	235.0	230.6	226.3	220.8	218.7	223.0	227.4	232.8	236.1	238.3
32.5°	264.4	264.4	258.9	251.3	244.8	242.6	245.9	254.6	261.1	265.5	268.7
35°	294.8	294.8	288.3	279.6	270.9	266.5	273.1	283.9	292.6	299.2	300.3
37.5°	330.7	328.6	322.0	310.1	295.9	293.7	301.4	314.4	326.4	334.0	334.0
40°	366.6	364.5	357.9	342.7	324.2	320.9	329.6	349.2	363.4	369.9	371.0
42.5°	405.8	402.5	396.0	379.7	356.8	350.3	363.4	386.2	402.5	410.1	410.1
45°	443.9	445.0	435.2	416.7	391.6	381.9	398.2	425.4	445.0	451.5	453.7
47.5°	486.3	487.4	477.6	454.7	426.5	417.8	436.3	465.6	489.6	495.0	497.2
50°	533.1	533.1	525.5	497.2	465.6	453.7	476.5	514.6	537.4	542.9	544.0
52.5°	578.8	577.7	572.2	540.7	504.8	491.7	517.8	561.4	588.6	589.7	589.7
55°	624.5	623.4	616.8	586.4	544.0	529.8	561.4	610.3	636.4	638.6	639.7
57.5°	664.7	664.7	658.2	627.7	580.9	565.7	602.7	657.1	684.3	684.3	684.3
60°	701.7	701.7	698.4	665.8	615.8	599.4	641.9	700.6	726.7	723.5	723.5
62.5°	730.0	731.1	728.9	696.3	643.0	627.7	674.5	736.5	762.6	756.1	752.8
65°	746.3	747.4	748.5	718.0	663.6	647.3	696.3	761.5	783.3	773.5	770.2
67.5°	744.1	747.4	749.6	723.5	669.1	652.7	703.9	765.9	784.4	771.3	768.1
70°	723.5	727.8	732.2	710.4	660.4	645.1	694.1	751.7	761.5	746.3	740.9
72.5°	683.2	684.3	695.2	679.9	636.4	621.2	663.6	712.6	714.8	696.3	689.7
75°	623.4	623.4	637.5	626.6	594.0	580.9	615.8	651.7	645.1	625.6	617.9
77.5°	547.2	552.7	564.6	563.5	537.4	530.9	555.9	572.2	562.5	537.4	529.8
80°	462.4	466.7	484.1	488.5	473.2	466.7	484.1	489.6	474.3	449.3	442.8
82.5°	384.0	388.4	404.7	416.7	406.9	401.4	410.1	405.8	384.0	362.3	357.9
85°	312.2	313.3	332.9	341.6	341.6	337.3	338.3	326.4	306.8	283.9	277.4
87.5°	249.1	249.1	266.5	279.6	282.9	279.6	276.3	261.1	239.3	220.8	219.8
90°	196.9	198.0	212.1	225.2	230.6	228.5	220.8	205.6	188.2	171.9	169.7
92.5°	156.7	158.8	169.7	182.8	189.3	188.2	179.5	165.4	148.0	134.9	133.8
95°	126.2	126.2	136.0	146.9	154.5	154.5	146.9	132.7	117.5	105.5	104.4
97.5°	100.1	101.2	109.9	119.7	126.2	126.2	119.7	107.7	93.6	83.8	81.6
100°	81.6	81.6	88.1	97.9	104.4	104.4	97.9	87.0	75.1	66.4	65.3
102.5°	65.3	66.4	71.8	80.5	85.9	87.0	81.6	72.9	60.9	53.3	53.3
105°	54.4	54.4	59.8	66.4	71.8	72.9	68.5	59.8	50.0	43.5	42.4
107.5°	44.6	44.6	49.0	56.6	60.9	62.0	57.7	50.0	41.3	35.9	34.8
110°	38.1	37.0	40.3	46.8	52.2	52.2	49.0	42.4	33.7	29.4	29.4

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	31.5	31.5	33.7	39.2	43.5	45.7	42.4	35.9	28.3	25.0	25.0
115°	27.2	27.2	29.4	33.7	38.1	38.1	35.9	29.4	23.9	21.8	21.8
117.5°	23.9	23.9	25.0	28.3	31.5	32.6	30.5	25.0	20.7	18.5	18.5
120°	20.7	20.7	21.8	23.9	27.2	28.3	26.1	21.8	17.4	16.3	16.3
122.5°	18.5	18.5	18.5	20.7	23.9	23.9	21.8	18.5	15.2	14.1	14.1
125°	16.3	16.3	16.3	17.4	19.6	20.7	18.5	15.2	13.1	13.1	13.1
127.5°	14.1	14.1	14.1	15.2	17.4	17.4	16.3	13.1	12.0	12.0	12.0
130°	13.1	13.1	13.1	13.1	14.1	14.1	13.1	10.9	10.9	10.9	10.9
132.5°	10.9	10.9	10.9	10.9	12.0	12.0	10.9	9.8	8.7	9.8	9.8
135°	9.8	9.8	9.8	9.8	9.8	9.8	8.7	7.6	7.6	8.7	8.7
137.5°	8.7	8.7	8.7	7.6	7.6	7.6	6.5	6.5	7.6	7.6	7.6
140°	7.6	7.6	6.5	6.5	6.5	5.4	5.4	5.4	6.5	6.5	6.5
142.5°	6.5	6.5	5.4	5.4	4.4	4.4	4.4	4.4	5.4	5.4	5.4
145°	4.4	4.4	4.4	4.4	3.3	3.3	3.3	3.3	4.4	4.4	4.4
147.5°	3.3	3.3	3.3	3.3	2.2	2.2	2.2	3.3	3.3	3.3	3.3
150°	2.2	2.2	2.2	2.2	2.2	1.1	2.2	2.2	2.2	2.2	2.2
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)