

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: P694764

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

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694764
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-PA16-30-727-U-5WQ-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 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: 3231 lumens
Efficiency: N/A
Efficacy: 110.7 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

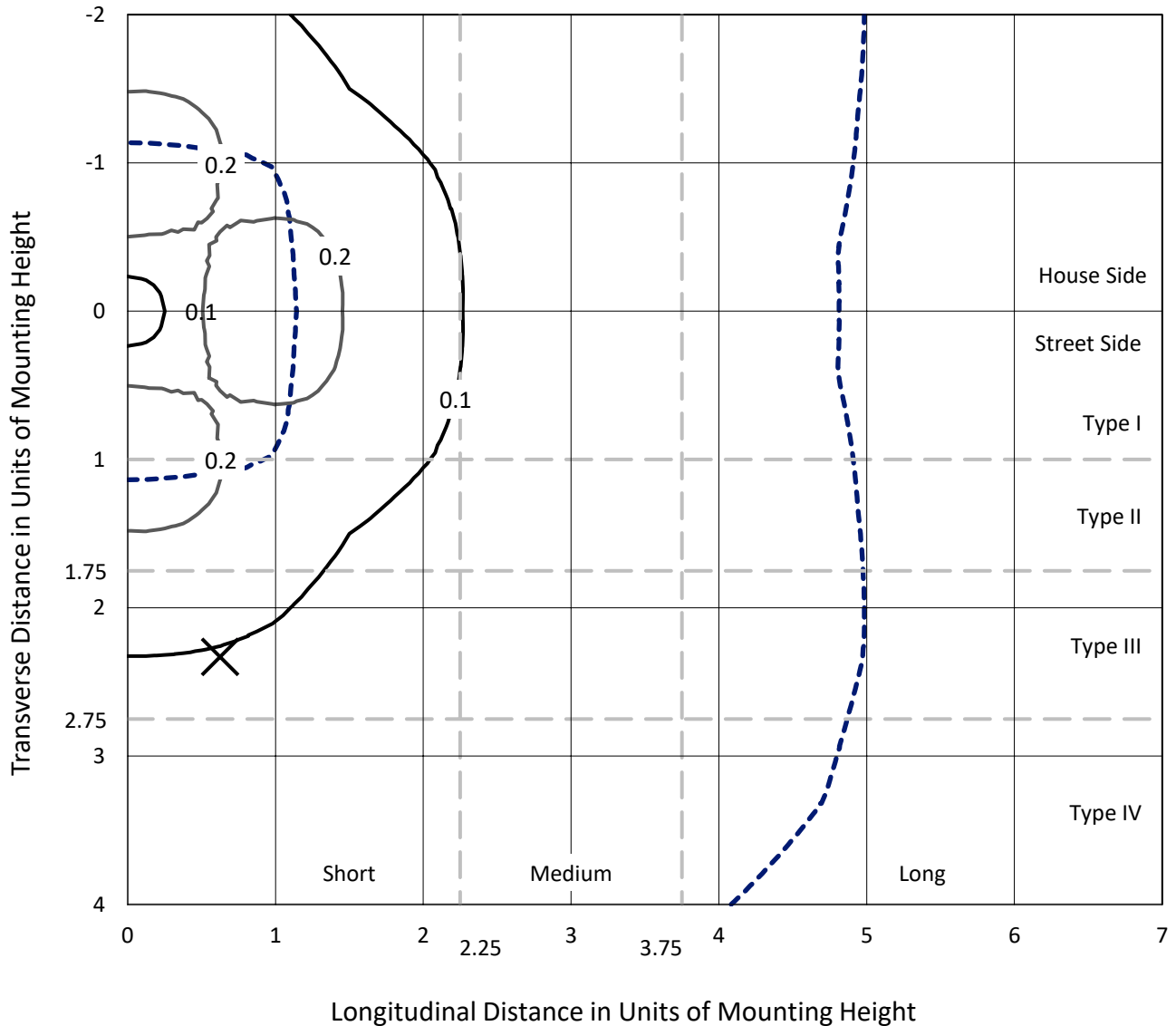
Input Watts (W): 29.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

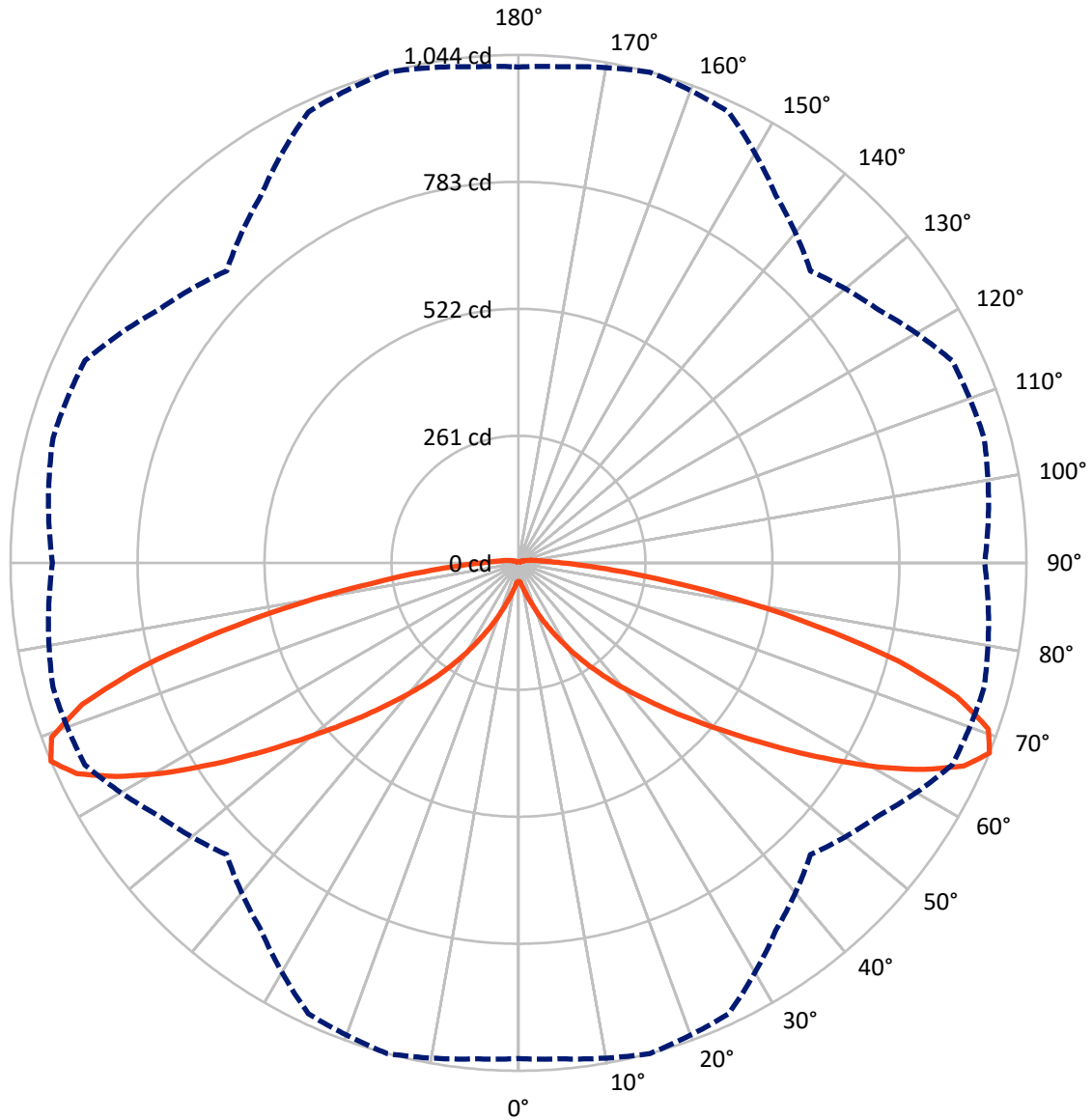
× Max cd
 - - - 1/2 Max cd



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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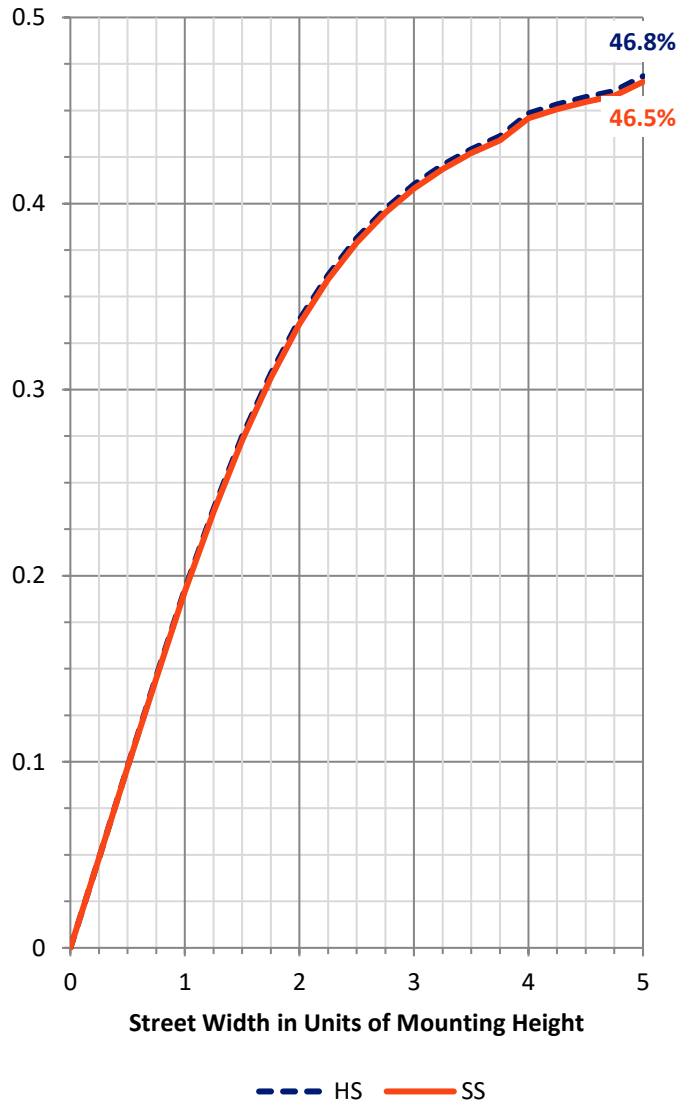
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1563.6	51.9	1615.5
	% Fixture	48.4	1.6	50.0
Street Side	Lumens	1563.6	51.9	1615.5
	% Fixture	48.4	1.6	50.0
Total	Lumens	3127.1	103.9	3231.0
	% Fixture	96.8	3.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.3	0.1
10°-20°	21.9	0.7
20°-30°	68.8	2.1
30°-40°	161.7	5.0
40°-50°	315.4	9.8
50°-60°	577.0	17.9
60°-70°	906.7	28.1
70°-80°	799.4	24.7
80°-90°	271.9	8.4
90°-100°	60.9	1.9
100°-110°	23.4	0.7
110°-120°	10.3	0.3
120°-130°	5.2	0.2
130°-140°	2.8	0.1
140°-150°	1.3	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3127.1	96.8
0°-180°	3231.0	100.0

Coefficient of Utilization

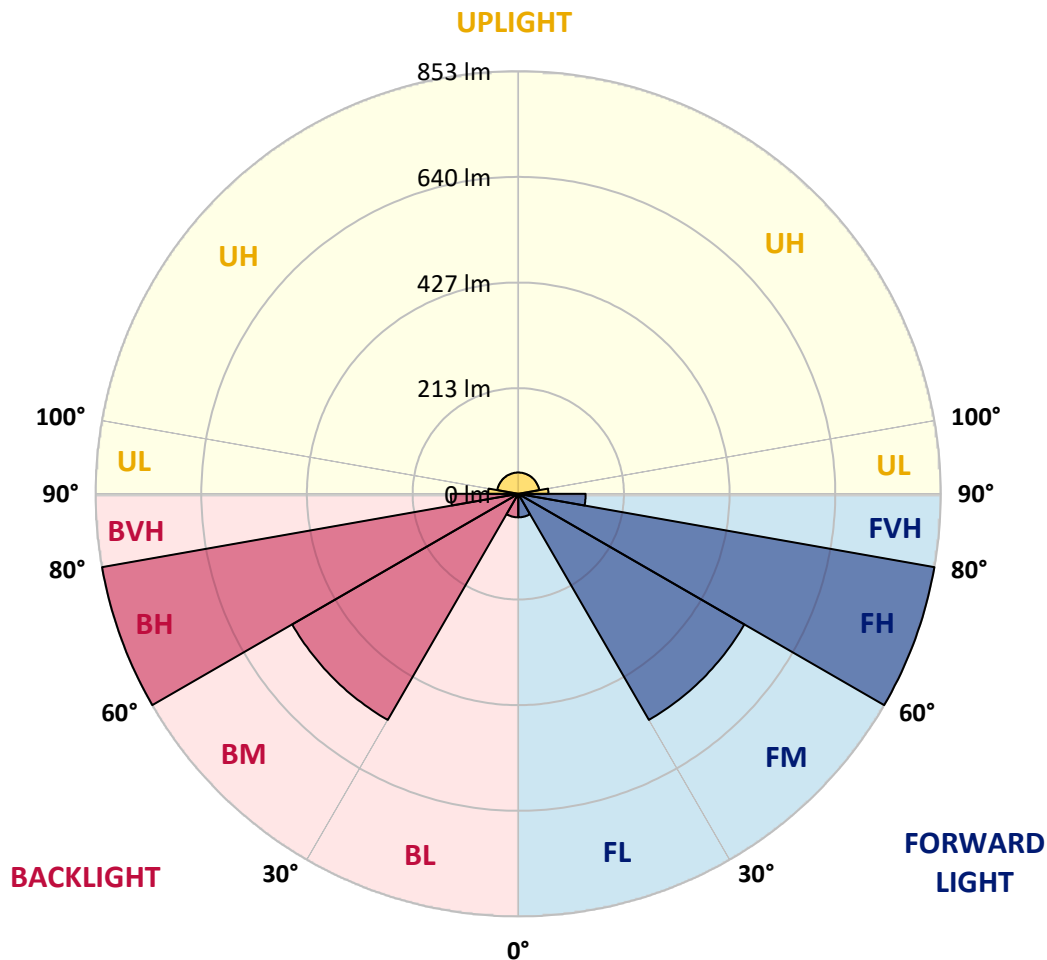


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	47.5	1.5			
FM (30°-60°)	527.1	16.3			
FH (60°-80°)	853.1	26.4			G1/1800
FVH (80°-90°)	136.0	4.2			G2/225
BL (0°-30°)	47.5	1.5	B0/110		
BM (30°-60°)	527.1	16.3	B1/1000		
BH (60°-80°)	853.1	26.4	B2/1000		G1/1800
BVH (80°-90°)	136.0	4.2			G2/225
UL (90°-100°)	60.9	1.9		U3/500	
UH (100°-180°)	43.0	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°	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1
2.5°	38.1	38.1	38.1	38.1	39.2	39.2	39.2	38.1	38.1	38.1	38.1
5°	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	40.2
7.5°	45.7	45.7	45.7	45.7	45.7	46.8	45.7	45.7	45.7	45.7	45.7
10°	53.3	53.3	53.3	53.3	52.2	52.2	52.2	52.2	51.1	52.2	51.1
12.5°	63.1	63.1	63.1	62.0	60.9	60.9	60.9	59.8	60.9	60.9	60.9
15°	76.1	76.1	75.1	74.0	71.8	70.7	71.8	71.8	71.8	72.9	72.9
17.5°	90.3	91.4	89.2	87.0	84.8	84.8	83.8	84.8	87.0	88.1	88.1
20°	111.0	109.9	106.6	103.3	100.1	99.0	99.0	102.2	104.4	105.5	106.6
22.5°	131.6	131.6	128.4	121.8	117.5	115.3	116.4	119.7	125.1	129.4	129.4
25°	157.7	155.5	151.2	142.5	136.0	133.8	134.9	140.3	149.0	152.3	154.5
27.5°	183.8	182.7	176.2	166.4	156.6	152.3	155.5	165.3	175.1	181.7	183.8
30°	214.3	213.2	205.6	192.5	179.5	173.0	178.4	190.4	205.6	213.2	215.4
32.5°	248.0	246.9	237.1	219.7	202.3	195.8	202.3	219.7	237.1	246.9	248.0
35°	283.9	280.6	269.8	250.2	227.3	218.6	227.3	250.2	270.9	283.9	285.0
37.5°	319.8	317.6	305.7	282.8	255.6	244.7	254.5	283.9	306.7	322.0	318.7
40°	356.8	355.7	343.7	316.5	286.1	271.9	287.2	316.5	344.8	361.1	362.2
42.5°	399.2	399.2	384.0	355.7	318.7	302.4	318.7	356.8	388.3	401.4	402.5
45°	446.0	442.7	430.8	400.3	357.9	338.3	357.9	400.3	431.8	447.1	446.0
47.5°	494.9	492.8	481.9	451.4	401.4	380.7	400.3	449.2	481.9	492.8	492.8
50°	551.5	549.3	539.5	508.0	453.6	428.6	454.7	503.6	539.5	549.3	546.1
52.5°	616.8	610.2	605.9	575.4	516.7	484.1	512.3	571.1	603.7	605.9	605.9
55°	680.9	685.3	682.0	649.4	584.1	545.0	579.8	644.0	673.3	677.7	672.2
57.5°	762.5	766.9	764.7	731.0	660.3	613.5	652.7	723.4	748.4	747.3	746.2
60°	852.8	855.0	852.8	823.4	745.1	686.4	733.1	807.1	831.0	824.5	819.1
62.5°	932.2	934.4	935.5	913.7	820.2	754.9	802.8	886.5	905.0	894.1	890.9
65°	996.4	995.3	1006.2	983.3	884.3	811.5	865.9	954.0	964.8	947.4	942.0
67.5°	1019.2	1023.6	1044.2	1022.5	922.4	848.5	905.0	983.3	990.9	969.2	958.3
70°	989.9	999.6	1024.7	1013.8	922.4	853.9	906.1	974.6	971.4	944.2	933.3
72.5°	909.4	911.5	943.1	948.5	881.1	824.5	864.8	913.7	897.4	860.4	857.2
75°	766.9	766.9	806.0	830.0	793.0	747.3	778.8	800.6	775.6	732.1	726.6
77.5°	587.4	593.9	626.5	678.8	670.1	648.3	662.4	666.8	614.6	568.9	570.0
80°	413.3	422.0	456.9	510.2	525.4	524.3	527.6	499.3	450.3	413.3	407.9
82.5°	277.4	273.0	305.7	353.5	389.4	395.9	393.8	354.6	306.7	271.9	267.6
85°	168.6	169.7	195.8	235.0	267.6	283.9	271.9	237.1	193.6	170.8	169.7
87.5°	104.4	106.6	121.8	147.9	181.7	196.9	183.8	153.4	121.8	105.5	104.4
90°	70.7	70.7	80.5	96.8	119.7	134.9	122.9	99.0	80.5	70.7	69.6
92.5°	51.1	53.3	56.6	67.4	83.8	93.5	84.8	67.4	56.6	51.1	50.0
95°	40.2	40.2	43.5	48.9	60.9	67.4	60.9	50.0	43.5	39.2	39.2
97.5°	31.5	32.6	34.8	39.2	46.8	51.1	46.8	39.2	34.8	31.5	30.5
100°	25.0	26.1	28.3	32.6	38.1	40.2	38.1	32.6	28.3	25.0	25.0
102.5°	19.6	20.7	22.8	27.2	31.5	32.6	31.5	26.1	22.8	19.6	19.6
105°	15.2	15.2	18.5	22.8	26.1	27.2	26.1	21.8	18.5	15.2	15.2
107.5°	12.0	12.0	15.2	18.5	21.8	22.8	21.8	18.5	14.1	12.0	12.0
110°	9.8	9.8	12.0	15.2	18.5	19.6	18.5	15.2	12.0	9.8	9.8

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	7.6	7.6	9.8	13.1	15.2	16.3	15.2	13.1	9.8	7.6	7.6
115°	6.5	6.5	7.6	10.9	13.1	14.1	13.1	10.9	7.6	6.5	6.5
117.5°	5.4	5.4	6.5	8.7	10.9	12.0	10.9	8.7	6.5	5.4	5.4
120°	5.4	5.4	5.4	7.6	9.8	10.9	9.8	7.6	5.4	5.4	5.4
122.5°	4.4	4.4	5.4	6.5	8.7	8.7	7.6	6.5	5.4	4.4	4.4
125°	4.4	4.4	4.4	5.4	6.5	7.6	6.5	5.4	4.4	4.4	4.4
127.5°	4.4	4.4	4.4	4.4	6.5	6.5	6.5	4.4	4.4	4.4	4.4
130°	3.3	3.3	3.3	4.4	5.4	5.4	5.4	4.4	4.4	3.3	4.4
132.5°	3.3	3.3	3.3	4.4	4.4	5.4	4.4	4.4	3.3	3.3	3.3
135°	3.3	3.3	3.3	3.3	4.4	4.4	4.4	3.3	3.3	3.3	3.3
137.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
140°	2.2	2.2	2.2	2.2	3.3	3.3	3.3	2.2	2.2	3.3	2.2
142.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
145°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
147.5°	1.1	2.2	1.1	1.1	1.1	2.2	2.2	2.2	2.2	2.2	2.2
150°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
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)