

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: P414136

Luminaire Tested: **LXF.LXT-PA1-20-727-U-5WQ-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414136
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-6)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-20-727-U-5WQ-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS
AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2313 lumens
Efficiency: N/A
Efficacy: 110.1 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B2 - U3 - G2

Input Watts (W): 21
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: 28.75 FT

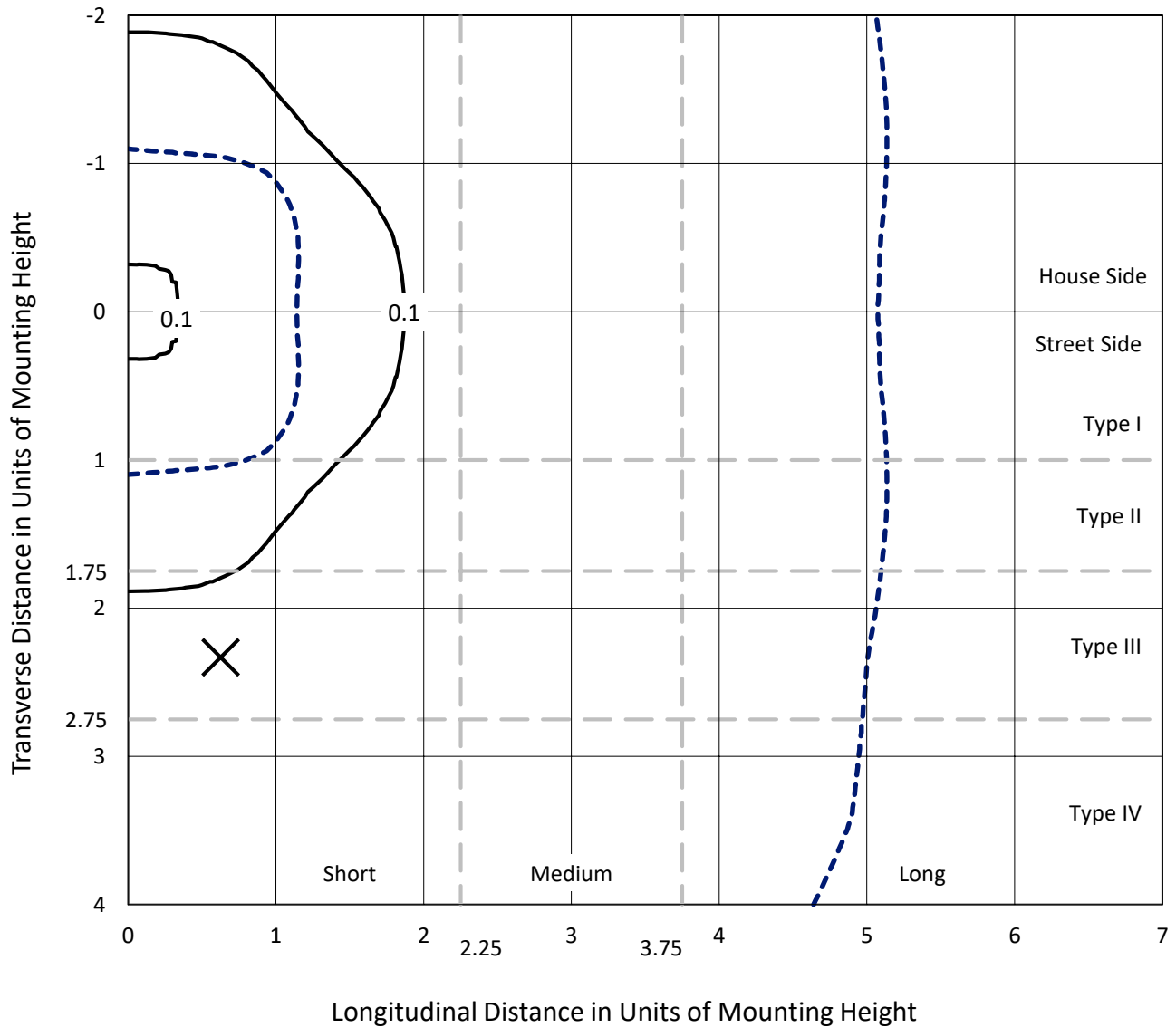


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

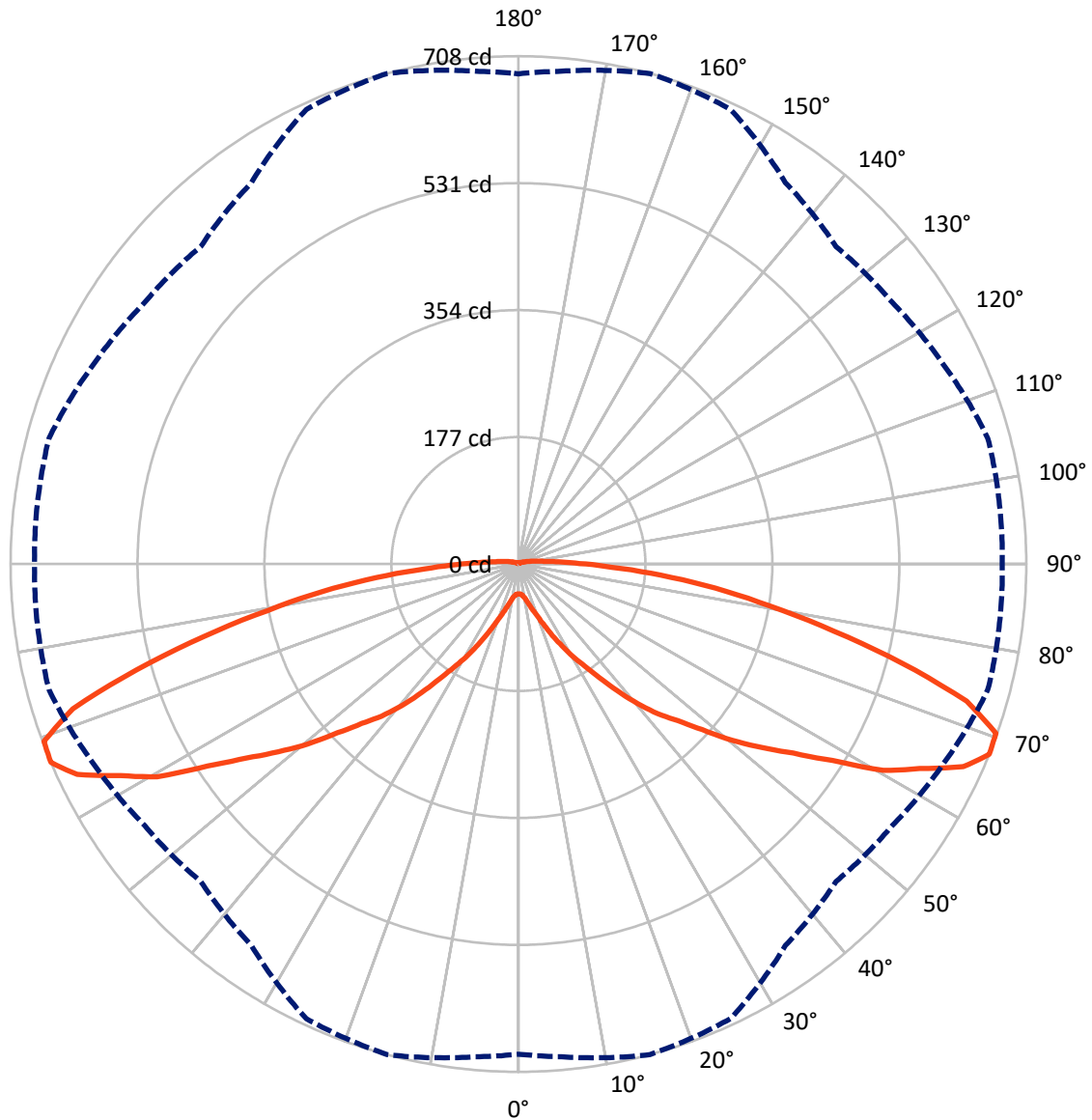


Based on 25 foot mounting height. Maximum calculated value = 0.2 fc
 Type V - Short - Non-Cutoff

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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	1110.9	45.7	1156.5
	% Fixture	48.0	2.0	50.0
Street Side	Lumens	1110.9	45.7	1156.5
	% Fixture	48.0	2.0	50.0
Total	Lumens	2221.7	91.3	2313.0
	% Fixture	96.1	3.9	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.2	0.2
10°-20°	17.3	0.7
20°-30°	49.8	2.2
30°-40°	117.3	5.1
40°-50°	221.1	9.6
50°-60°	394.2	17.0
60°-70°	623.3	26.9
70°-80°	549.1	23.7
80°-90°	245.4	10.6
90°-100°	61.0	2.6
100°-110°	16.8	0.7
110°-120°	6.7	0.3
120°-130°	3.6	0.2
130°-140°	2.1	0.1
140°-150°	0.9	0.0
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2221.7	96.1
0°-180°	2313.0	100.0



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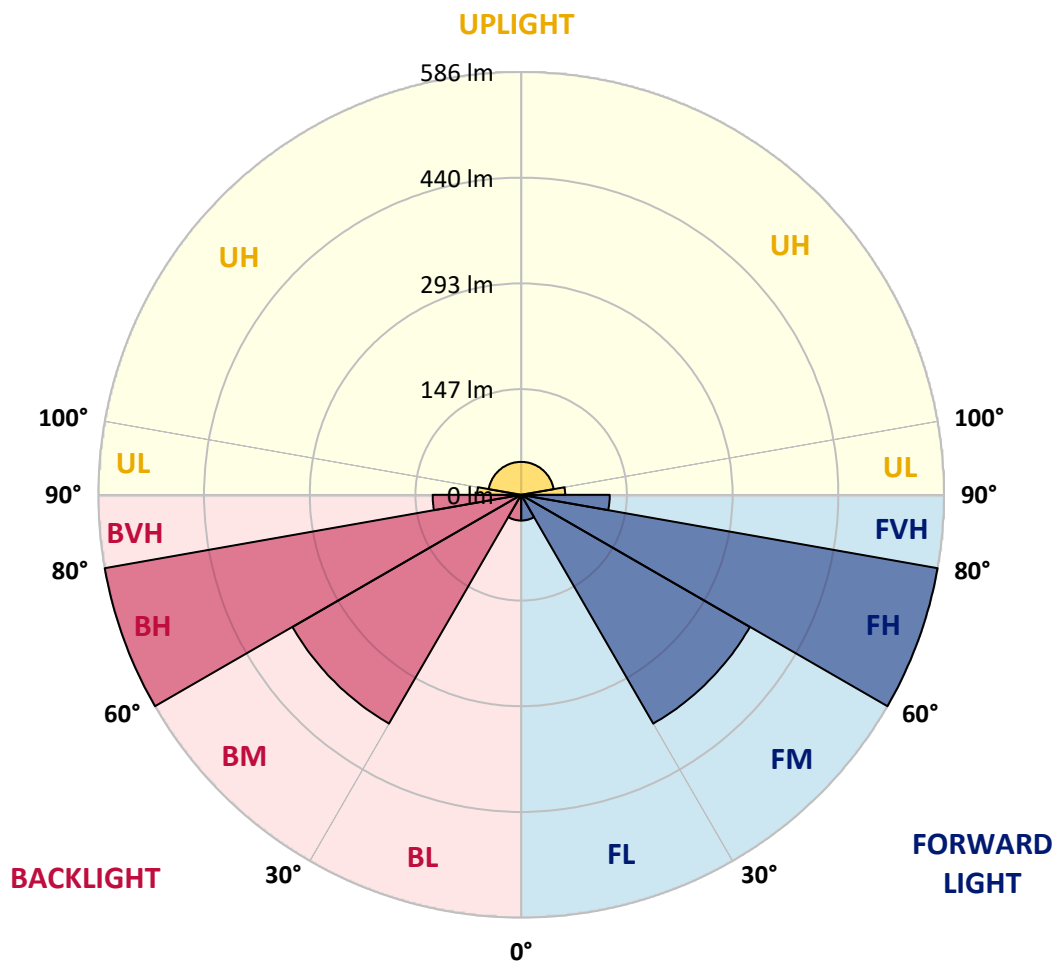
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	35.6	1.5			
FM (30°-60°)	366.3	15.8			
FH (60°-80°)	586.2	25.3			G0/660
FVH (80°-90°)	122.7	5.3			G2/225
BL (0°-30°)	35.6	1.5	B0/110		
BM (30°-60°)	366.3	15.8	B1/1000		
BH (60°-80°)	586.2	25.3	B2/1000		G0/660
BVH (80°-90°)	122.7	5.3			G2/225
UL (90°-100°)	61.0	2.6		U3/500	
UH (100°-180°)	45.7	2.0		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°	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6
2.5°	41.6	41.6	41.8	41.8	42.1	42.4	42.1	41.8	41.6	41.3	41.3
5°	42.9	42.9	42.9	42.9	43.1	43.1	42.9	42.4	42.1	41.8	41.8
7.5°	44.9	44.9	44.9	44.9	44.9	44.6	44.1	43.6	43.4	43.1	43.1
10°	48.2	48.2	47.6	47.6	47.4	47.1	46.6	46.1	45.6	45.9	45.9
12.5°	53.7	54.0	53.2	51.9	50.9	50.4	50.2	50.2	50.9	50.9	51.2
15°	61.8	61.8	60.5	58.7	56.7	55.2	55.7	57.0	58.2	59.0	59.0
17.5°	70.6	70.6	69.3	67.1	64.3	63.5	63.3	64.5	67.3	68.3	68.6
20°	81.7	81.7	79.4	76.1	73.6	72.6	72.6	74.6	77.6	79.9	79.7
22.5°	96.8	96.6	93.3	87.7	84.5	82.9	82.7	85.5	90.8	94.3	95.3
25°	115.0	114.7	110.4	103.1	98.1	94.0	95.0	99.8	107.9	113.4	113.4
27.5°	135.6	134.6	129.1	121.0	113.4	108.2	109.7	116.5	126.6	134.1	134.4
30°	155.8	155.8	149.8	140.2	130.1	123.5	125.3	134.9	147.0	158.8	159.1
32.5°	177.2	177.0	169.4	159.8	147.5	140.2	142.9	154.8	171.9	185.6	188.1
35°	204.7	205.0	194.4	181.3	165.6	157.6	161.3	176.7	197.1	213.5	215.0
37.5°	234.2	235.7	224.1	207.2	186.3	176.5	182.0	199.9	223.6	240.8	240.8
40°	266.0	266.7	256.1	234.7	209.5	196.6	204.0	223.1	241.3	255.9	256.6
42.5°	292.9	293.7	285.4	264.5	236.2	220.8	225.1	239.8	256.9	273.3	274.8
45°	314.1	316.6	311.6	293.7	265.0	246.3	245.8	260.7	281.4	298.5	300.5
47.5°	352.4	353.7	344.9	323.7	294.5	274.0	272.0	286.9	313.9	332.3	333.5
50°	386.2	390.0	386.7	364.0	329.3	304.5	304.8	324.5	353.7	372.4	374.1
52.5°	424.3	426.1	425.1	405.6	371.9	342.6	345.9	368.1	399.6	411.2	413.2
55°	459.1	461.9	465.4	451.0	417.5	391.8	394.8	418.5	439.7	450.8	451.8
57.5°	514.3	517.1	516.8	495.6	466.9	441.9	447.0	465.6	493.4	512.3	515.6
60°	574.3	578.3	584.6	557.2	514.0	496.7	503.0	529.9	561.4	564.2	567.7
62.5°	614.4	616.4	628.3	619.2	569.0	548.1	564.7	587.7	604.1	606.6	605.6
65°	666.8	673.4	681.7	660.8	620.4	591.7	610.9	628.0	657.5	660.0	659.5
67.5°	683.5	689.8	708.2	699.6	649.2	626.2	636.1	655.0	677.7	675.6	674.6
70°	684.7	690.8	706.4	701.9	655.7	624.0	634.1	641.4	662.3	662.5	659.8
72.5°	616.2	626.7	653.5	661.5	621.2	588.7	589.4	589.2	590.7	574.1	567.5
75°	519.1	526.7	552.9	572.3	551.6	523.6	523.1	501.9	497.4	484.8	480.3
77.5°	415.7	425.1	450.3	471.4	464.1	449.0	441.2	417.2	410.7	396.3	398.1
80°	323.2	330.5	355.5	383.0	385.0	374.4	365.8	346.1	333.3	321.2	315.9
82.5°	248.8	255.1	276.6	306.3	318.7	317.4	305.3	283.1	271.5	259.9	253.1
85°	171.9	177.5	198.7	234.7	256.9	264.7	251.1	223.1	202.4	186.1	182.3
87.5°	110.9	113.4	130.3	161.6	194.9	213.3	198.9	163.9	137.9	124.8	120.5
90°	69.3	73.1	85.2	104.6	137.1	160.6	146.0	110.4	91.8	78.4	75.6
92.5°	48.2	47.6	56.0	69.6	93.5	112.7	100.1	73.1	58.0	49.2	47.4
95°	31.8	33.0	37.6	46.1	63.3	75.1	66.1	48.7	38.1	31.8	31.0
97.5°	23.7	24.0	27.5	32.8	43.1	49.4	43.9	33.8	27.0	22.9	22.7
100°	18.7	18.9	21.4	24.5	30.3	34.3	30.8	25.5	20.9	17.9	17.9
102.5°	14.6	14.9	16.6	19.2	22.9	25.5	23.4	19.7	16.4	14.1	13.9
105°	11.6	11.6	13.1	15.1	17.9	19.7	18.4	15.4	12.6	11.1	11.1
107.5°	9.1	9.3	10.3	11.8	14.4	16.1	14.6	11.8	9.8	8.6	8.6
110°	7.3	7.3	8.1	9.6	11.6	13.1	11.8	9.6	7.8	7.1	7.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	6.1	6.1	6.6	7.8	9.6	10.8	9.6	7.8	6.3	5.8	5.8
115°	5.0	5.0	5.5	6.3	8.1	8.8	8.1	6.3	5.3	4.8	4.8
117.5°	4.5	4.5	4.8	5.5	6.8	7.3	6.8	5.3	4.5	4.3	4.3
120°	4.0	4.0	4.3	4.8	5.8	6.3	5.8	4.8	4.0	3.8	3.8
122.5°	3.8	3.8	3.8	4.3	5.3	5.5	5.0	4.3	3.5	3.5	3.5
125°	3.5	3.5	3.5	3.8	4.5	4.8	4.5	3.8	3.3	3.3	3.3
127.5°	3.3	3.3	3.3	3.5	4.0	4.3	4.0	3.5	3.0	3.0	3.0
130°	3.3	3.3	3.0	3.3	3.5	3.8	3.5	3.3	3.0	2.8	3.0
132.5°	3.0	3.0	3.0	3.0	3.3	3.3	3.3	3.0	2.8	2.8	2.8
135°	2.8	2.8	2.5	2.5	2.8	3.0	2.8	2.5	2.5	2.5	2.5
137.5°	2.5	2.3	2.3	2.3	2.5	2.5	2.5	2.3	2.3	2.3	2.3
140°	2.0	2.0	2.0	2.0	2.0	2.3	2.0	1.8	1.8	2.0	2.0
142.5°	1.8	1.8	1.8	1.5	1.8	1.8	1.8	1.5	1.5	1.5	1.5
145°	1.5	1.5	1.5	1.3	1.5	1.5	1.5	1.3	1.3	1.3	1.3
147.5°	1.0	1.3	1.0	1.0	1.3	1.3	1.0	1.0	1.0	1.0	1.0
150°	0.8	0.8	0.8	0.8	1.0	1.0	0.8	0.8	0.8	0.8	0.8
152.5°	0.5	0.5	0.8	0.8	0.8	0.8	0.8	0.8	0.5	0.5	0.5
155°	0.5	0.5	0.5	0.5	0.8	0.8	0.5	0.5	0.5	0.3	0.3
157.5°	0.3	0.3	0.3	0.3	0.5	0.8	0.5	0.3	0.3	0.3	0.3
160°	0.0	0.0	0.0	0.3	0.5	0.8	0.5	0.3	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)