

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: P414554

Luminaire Tested: **LXF.LXT-PA1-30-727-U-5WQ-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414554
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-16)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-30-727-U-5WQ-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS
AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3171 lumens
Efficiency: N/A
Efficacy: 102.3 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type V - Medium - Non-Cutoff
BUG Rating: B2 - U3 - G2

Input Watts (W): 31
Input Voltage (V): NR
Input Current (A_{in}): 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

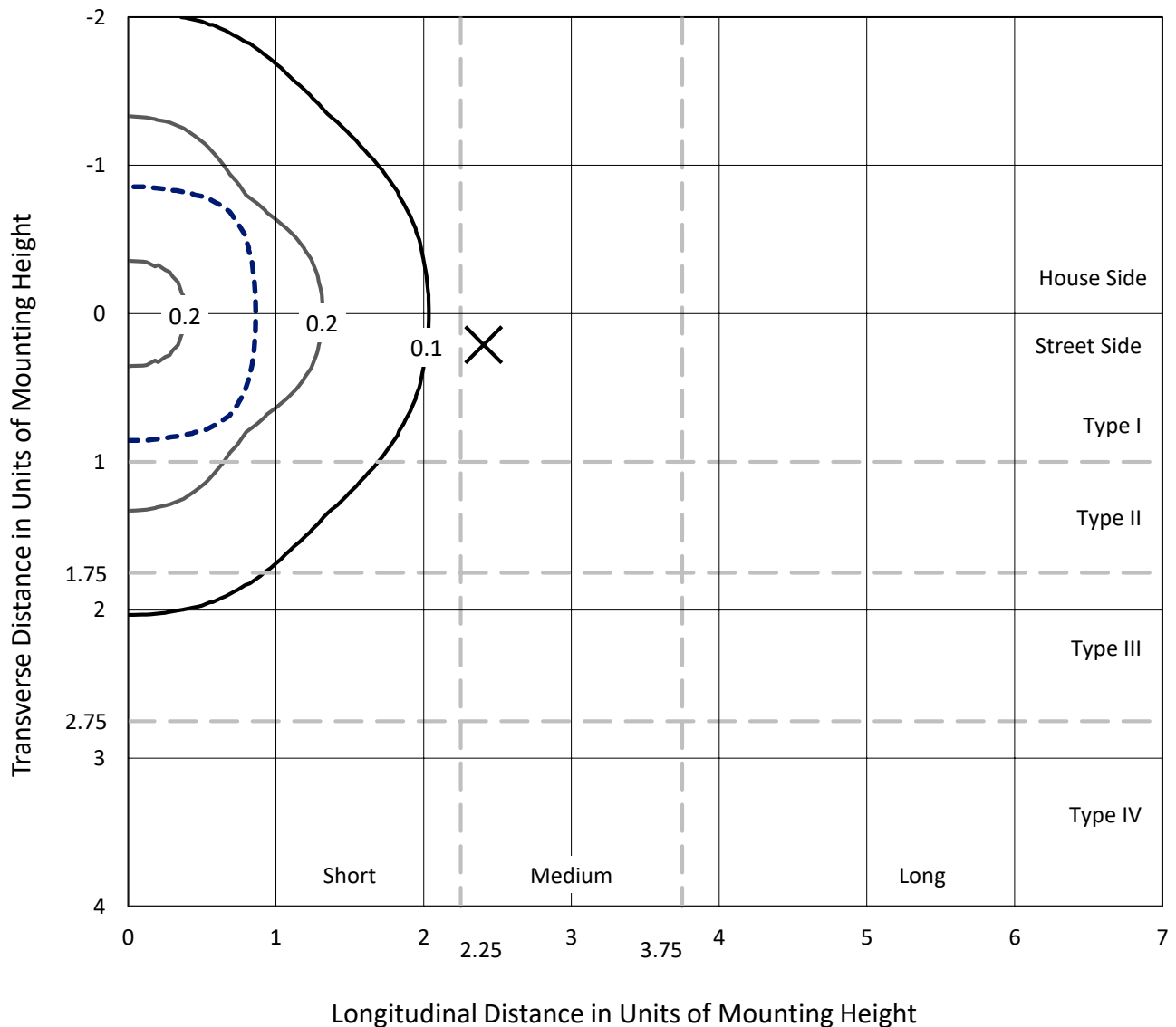


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Iso-Footcandle Lines of Horizontal Illumination

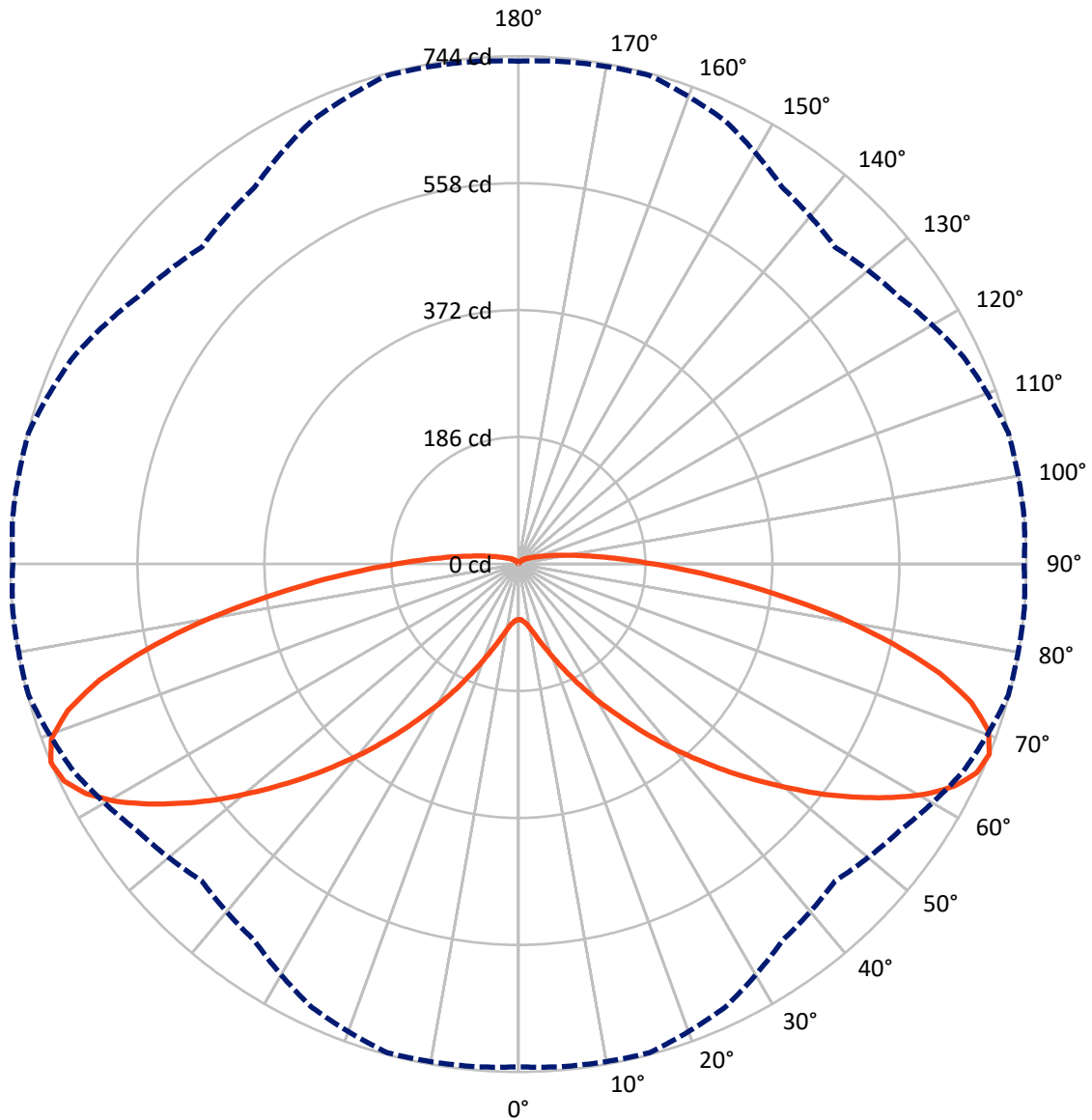
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.3 fc
 Type V - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 85-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1437.9	147.6	1585.5
	% Fixture	45.3	4.7	50.0
Street Side	Lumens	1437.9	147.6	1585.5
	% Fixture	45.3	4.7	50.0
Total	Lumens	2875.8	295.2	3171.0
	% Fixture	90.7	9.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.5	0.3
10°-20°	34.5	1.1
20°-30°	87.2	2.7
30°-40°	179.4	5.7
40°-50°	322.5	10.2
50°-60°	515.5	16.3
60°-70°	689.8	21.8
70°-80°	653.6	20.6
80°-90°	385.0	12.1
90°-100°	166.3	5.2
100°-110°	70.8	2.2
110°-120°	32.6	1.0
120°-130°	15.6	0.5
130°-140°	7.0	0.2
140°-150°	2.4	0.1
150°-160°	0.5	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2875.8	90.7
0°-180°	3171.0	100.0



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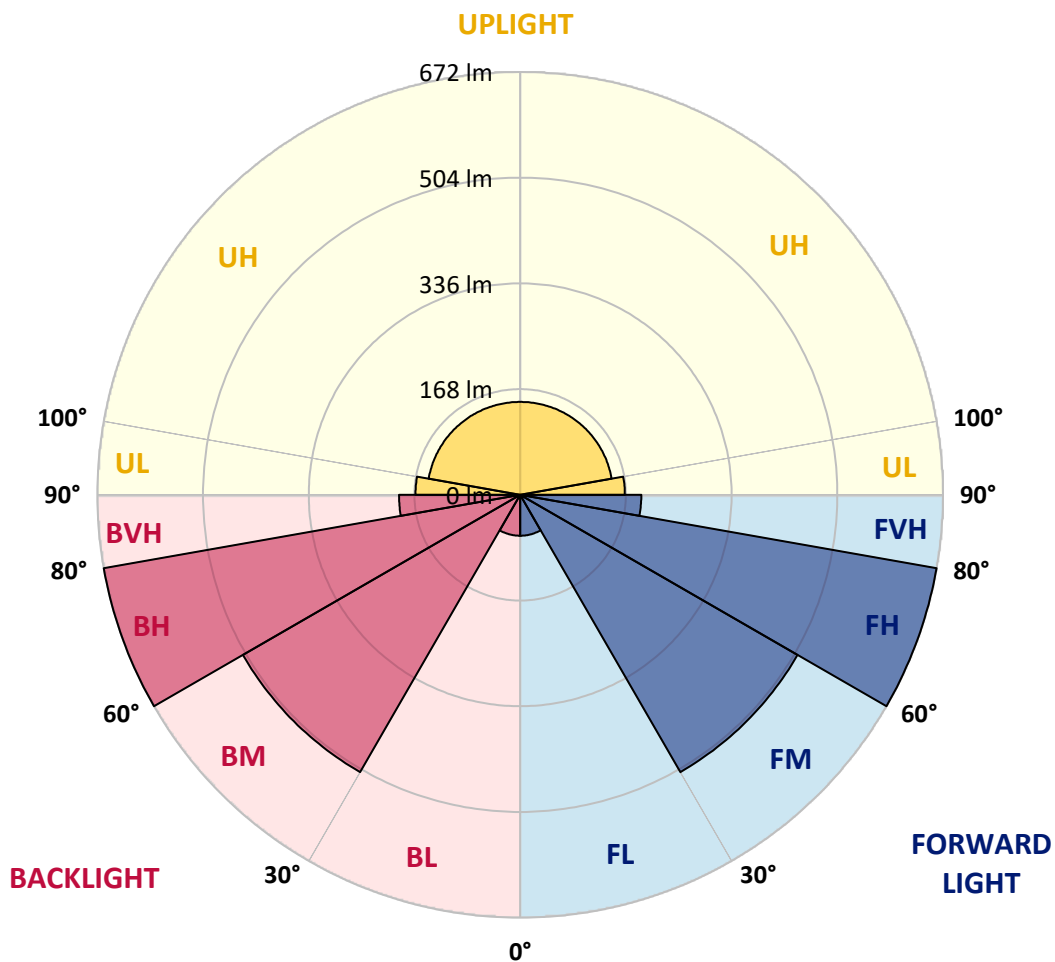
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	65.1	2.1			
FM	(30°-60°)	508.7	16.0			
FH	(60°-80°)	671.7	21.2			G1/1800
FVH	(80°-90°)	192.5	6.1			G2/225
BL	(0°-30°)	65.1	2.1	B0/110		
BM	(30°-60°)	508.7	16.0	B1/1000		
BH	(60°-80°)	671.7	21.2	B2/1000		G1/1800
BVH	(80°-90°)	192.5	6.1			G2/225
UL	(90°-100°)	166.3	5.2		U3/500	
UH	(100°-180°)	147.6	4.7		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°	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
2.5°	82.0	81.7	82.0	82.0	82.4	82.4	82.4	82.4	82.0	82.0	82.0
5°	84.9	84.9	84.9	84.9	85.2	85.2	85.2	84.9	84.9	84.9	84.9
7.5°	90.2	89.8	90.2	89.8	89.8	89.4	89.8	89.4	89.1	89.1	89.1
10°	96.9	96.9	96.9	96.5	96.5	96.5	95.8	95.8	95.8	96.2	95.8
12.5°	107.8	107.1	107.1	105.7	105.0	104.7	104.3	104.3	105.4	105.4	104.7
15°	120.6	120.2	120.2	118.4	117.0	114.9	115.3	116.7	116.7	117.4	117.0
17.5°	135.8	135.4	134.3	132.6	130.8	129.4	128.7	129.4	130.1	130.5	130.8
20°	152.4	152.0	150.6	148.8	147.1	146.4	143.9	145.0	145.7	146.4	146.0
22.5°	170.1	170.1	168.6	166.2	164.4	163.0	161.9	160.9	163.3	164.8	165.1
25°	191.6	190.9	188.4	185.6	183.5	182.4	181.0	181.0	182.8	185.6	186.3
27.5°	214.3	213.5	210.0	206.8	204.0	201.5	200.8	201.9	205.1	209.3	209.3
30°	239.4	237.9	234.8	229.8	225.2	222.7	223.4	225.2	229.8	234.8	234.4
32.5°	266.9	264.5	260.9	255.3	248.5	245.0	246.1	251.0	255.6	260.9	261.6
35°	296.3	295.9	290.3	282.8	274.4	268.7	270.8	277.5	284.6	292.0	293.1
37.5°	326.3	327.4	320.7	312.5	300.2	293.4	298.0	307.6	316.4	324.6	325.3
40°	363.1	362.0	355.3	343.3	328.4	321.0	324.9	338.3	349.7	359.9	360.6
42.5°	400.9	398.1	392.4	377.9	358.1	351.4	357.1	372.3	387.5	396.0	396.3
45°	436.6	437.7	431.3	414.0	392.1	381.8	390.0	408.0	425.7	434.9	435.9
47.5°	481.5	478.7	473.0	450.8	426.0	415.8	425.0	446.9	466.3	474.8	474.5
50°	525.4	523.6	515.5	492.1	464.2	451.8	461.0	487.9	509.1	516.5	518.3
52.5°	567.1	566.4	559.3	533.5	503.5	488.2	501.0	528.9	553.3	560.7	561.4
55°	609.9	607.7	602.4	575.6	541.3	524.3	540.2	571.3	596.4	603.5	603.9
57.5°	648.1	649.5	645.2	616.9	577.3	561.1	578.8	613.4	638.9	645.6	646.6
60°	686.2	686.6	683.4	655.8	613.8	595.4	615.9	651.9	679.2	685.2	685.5
62.5°	716.3	717.0	714.5	684.5	642.4	624.7	647.3	684.8	712.8	717.0	716.6
65°	734.7	736.8	735.4	708.2	663.3	647.0	670.7	709.9	735.4	737.9	736.8
67.5°	736.8	739.3	741.4	716.6	673.9	656.5	681.6	719.1	743.2	744.2	741.0
70°	721.2	723.7	728.7	708.2	668.6	654.1	678.1	711.7	731.8	730.4	726.9
72.5°	681.3	686.6	694.0	680.2	647.0	635.0	658.7	685.5	699.3	694.0	689.1
75°	624.0	629.3	643.5	635.7	610.2	603.5	621.2	641.3	645.2	637.4	630.7
77.5°	554.4	561.1	574.2	580.2	563.2	556.5	571.3	581.9	577.7	560.7	555.8
80°	473.0	483.7	497.4	507.0	502.7	500.6	508.0	507.0	491.4	478.0	469.5
82.5°	398.8	400.9	422.1	434.2	435.6	436.3	438.4	425.7	407.6	389.6	381.8
85°	326.0	326.7	344.4	361.7	368.4	370.5	366.6	349.7	330.9	310.8	305.5
87.5°	261.3	262.3	277.9	295.6	307.2	308.6	301.2	284.6	261.3	243.2	238.6
90°	206.5	210.0	225.6	240.1	252.4	254.6	243.9	226.3	204.7	187.4	184.6
92.5°	165.1	166.9	181.0	194.5	206.1	206.5	199.0	181.0	161.9	146.4	142.8
95°	132.6	134.0	145.3	157.7	167.2	169.3	160.9	145.0	127.3	113.8	113.1
97.5°	105.7	107.5	116.3	129.4	136.5	137.9	132.2	117.4	101.1	89.1	89.1
100°	84.9	85.9	93.7	104.7	112.1	113.5	107.8	94.8	80.6	70.0	69.3
102.5°	68.9	69.6	76.0	85.9	92.6	94.0	89.1	78.5	64.7	56.2	55.9
105°	56.6	56.9	61.9	71.1	77.4	78.5	73.9	64.7	52.3	45.3	44.9
107.5°	46.3	46.7	50.6	59.0	65.1	66.1	62.2	53.0	42.4	37.5	36.8
110°	38.9	39.2	42.1	48.8	54.8	56.2	52.3	44.2	35.0	30.8	30.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	32.9	33.2	35.4	41.0	46.3	48.1	44.2	36.8	29.3	26.2	25.8
115°	27.9	28.3	29.7	34.6	38.9	40.3	37.5	30.8	24.7	22.3	22.3
117.5°	24.4	24.7	25.5	29.3	33.2	34.3	31.5	25.8	20.9	19.4	19.4
120°	21.6	21.6	21.9	24.7	27.9	29.0	26.5	21.9	18.0	17.0	17.0
122.5°	18.7	18.7	19.1	21.2	23.7	24.4	22.3	18.4	15.6	15.2	14.8
125°	16.6	16.6	16.6	18.0	20.2	20.5	18.7	15.6	13.8	13.4	13.4
127.5°	14.5	14.5	14.5	15.2	16.6	17.0	15.6	13.1	12.0	11.7	11.7
130°	12.7	12.7	12.7	13.1	13.8	14.1	12.7	11.3	10.6	10.6	10.6
132.5°	11.3	11.3	11.0	11.0	11.3	11.3	10.6	9.5	9.2	9.2	9.2
135°	9.9	9.9	9.5	9.2	9.2	8.8	8.1	7.8	8.1	8.1	8.1
137.5°	8.5	8.5	8.1	7.8	7.4	7.1	6.7	6.4	6.7	7.1	7.1
140°	7.1	7.1	6.7	6.0	5.7	5.3	4.9	5.3	5.7	6.0	6.0
142.5°	5.7	5.7	5.7	4.9	4.2	3.9	3.9	4.2	4.6	4.9	4.9
145°	4.6	4.6	4.2	3.9	3.2	2.8	2.8	3.2	3.9	3.9	3.9
147.5°	3.5	3.5	3.2	2.8	2.1	1.8	2.1	2.5	2.8	3.2	3.2
150°	2.5	2.5	2.5	2.1	1.4	1.4	1.4	1.8	2.1	2.1	2.1
152.5°	1.4	1.4	1.4	1.4	1.1	0.7	1.1	1.4	1.4	1.4	1.4
155°	1.1	1.1	1.1	1.1	0.7	0.7	0.7	1.1	1.1	1.1	1.1
157.5°	0.4	0.4	0.4	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
160°	0.0	0.0	0.4	0.4	0.7	0.7	0.7	0.7	0.4	0.4	0.4
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)