

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: P414606

Luminaire Tested: **LXF.LXT-PA1-30-730-U-5WQ-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414606
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-PA1-30-730-U-5WQ-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 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: 3453 lumens
Efficiency: N/A
Efficacy: 111.4 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

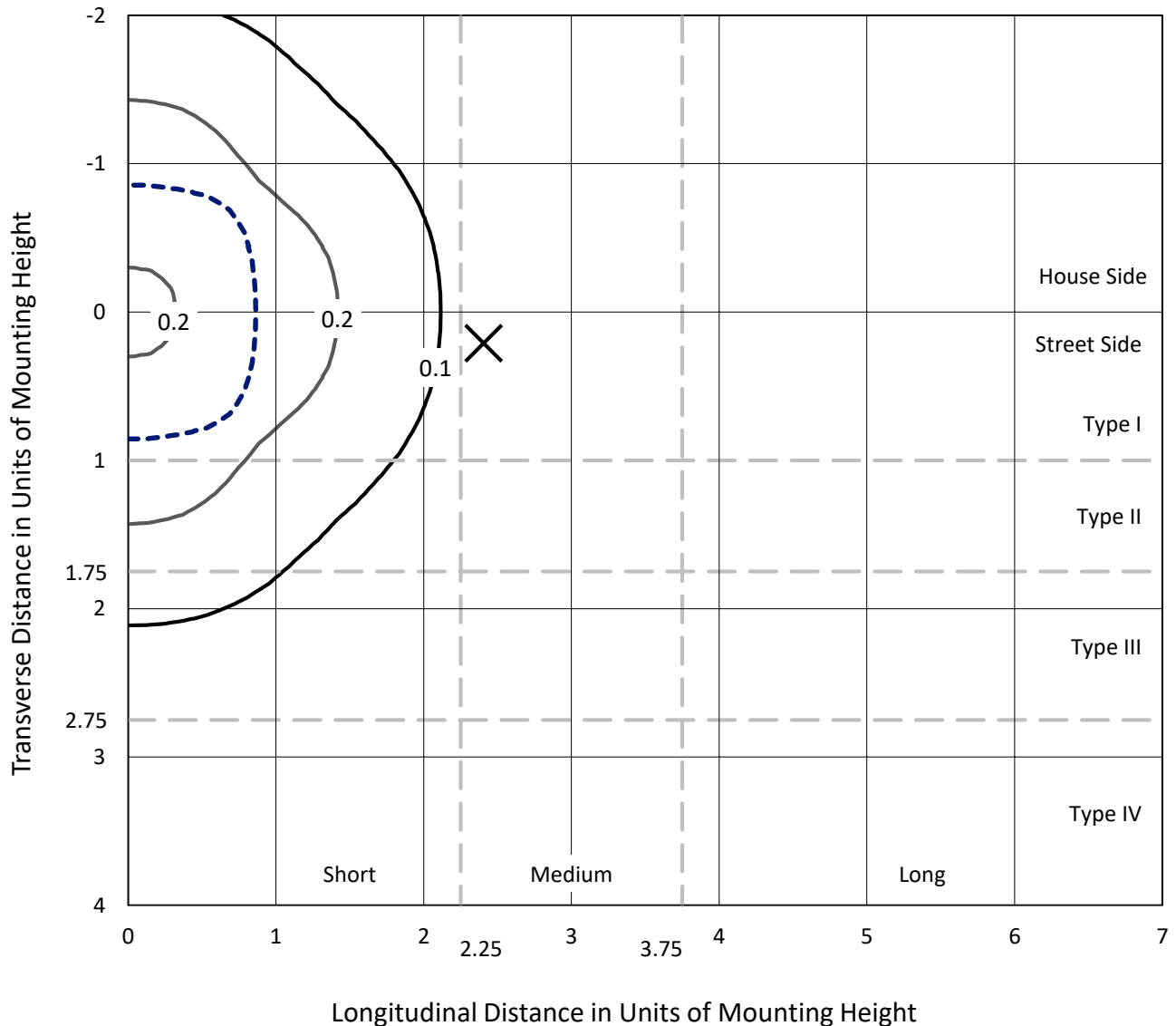
Input Watts (W): 31
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

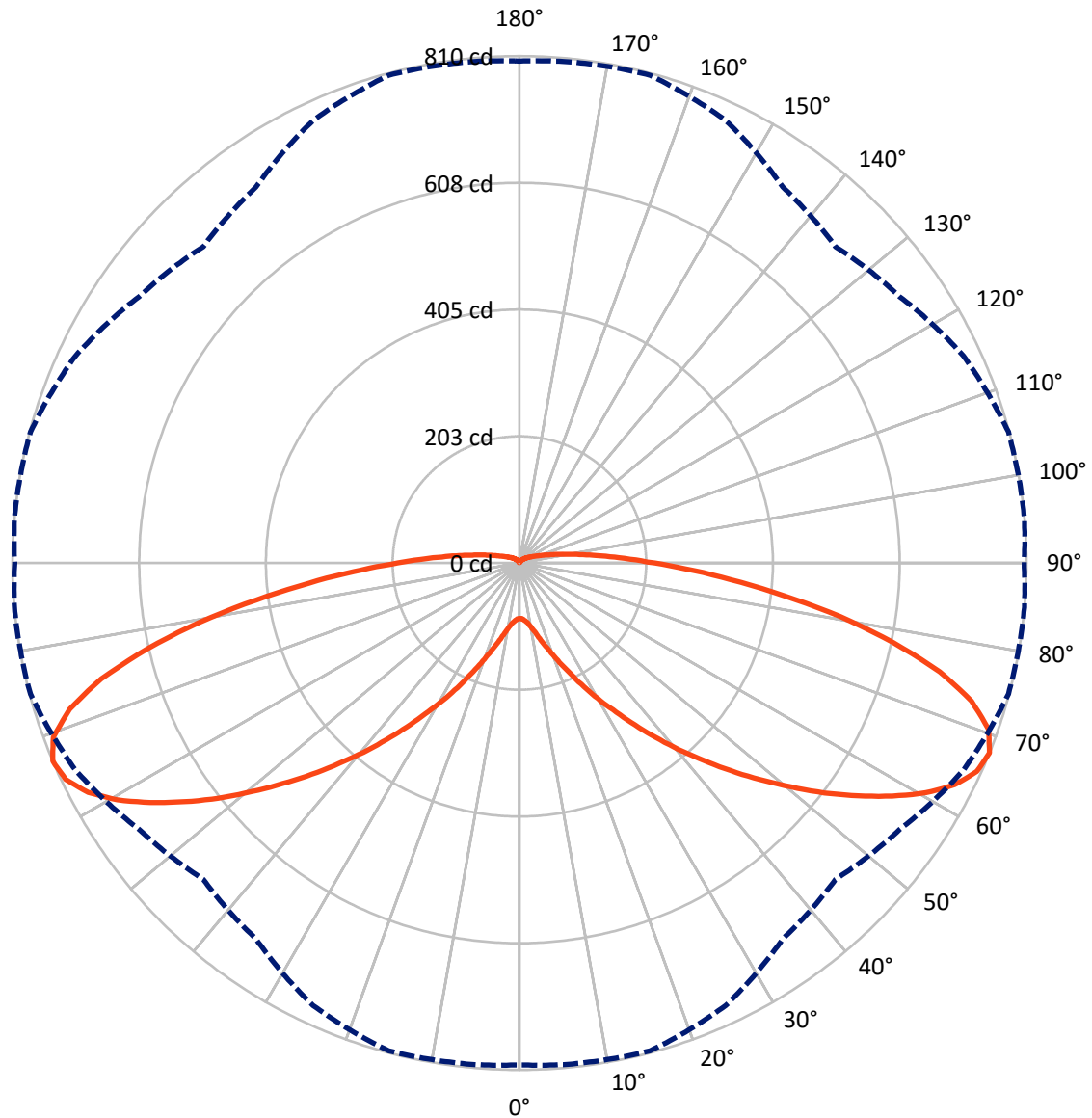
✕ Max cd
 - - - 1/2 Max cd



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	1565.8	160.7	1726.5
	% Fixture	45.3	4.7	50.0
Street Side	Lumens	1565.8	160.7	1726.5
	% Fixture	45.3	4.7	50.0
Total	Lumens	3131.5	321.4	3453.0
	% Fixture	90.7	9.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.2	0.3
10°-20°	37.5	1.1
20°-30°	94.9	2.7
30°-40°	195.3	5.7
40°-50°	351.2	10.2
50°-60°	561.4	16.3
60°-70°	751.1	21.8
70°-80°	711.7	20.6
80°-90°	419.2	12.1
90°-100°	181.1	5.2
100°-110°	77.1	2.2
110°-120°	35.5	1.0
120°-130°	17.0	0.5
130°-140°	7.6	0.2
140°-150°	2.6	0.1
150°-160°	0.5	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3131.5	90.7
0°-180°	3453.0	100.0



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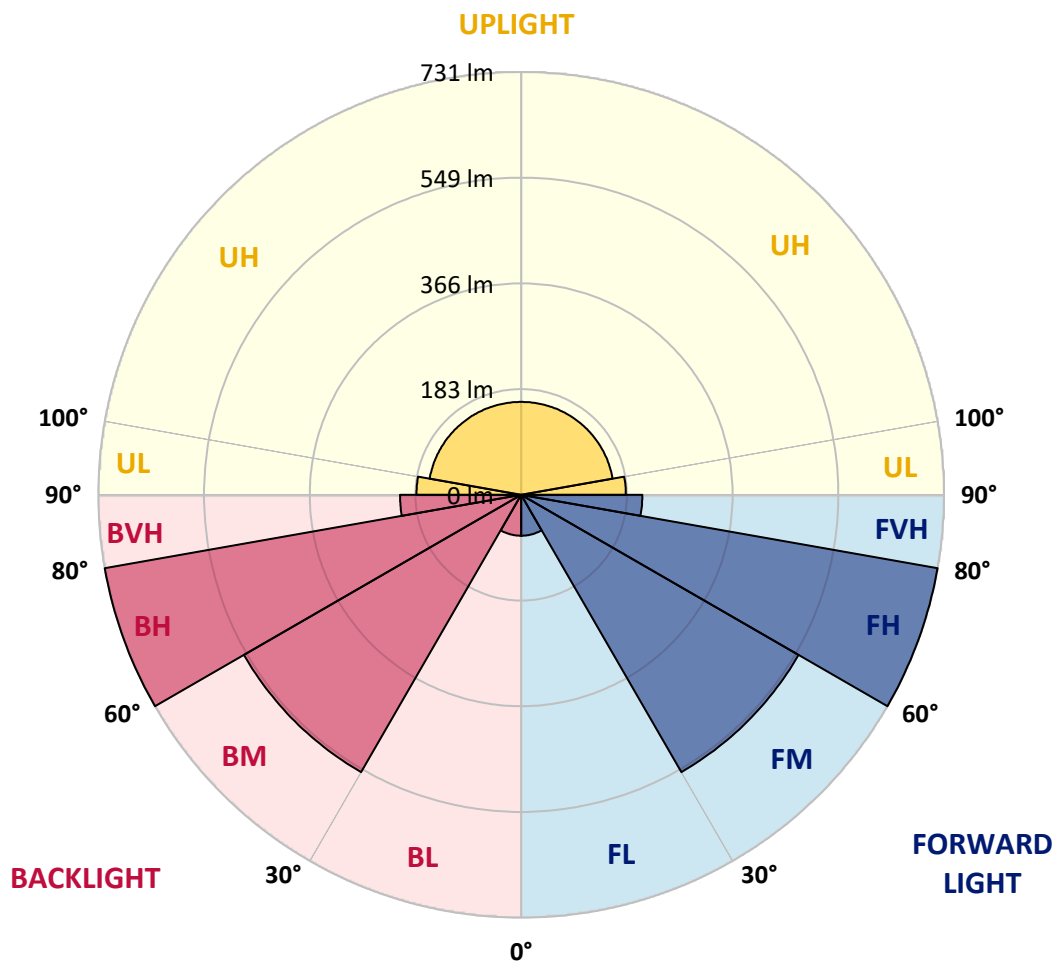
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	70.8	2.1			
FM	(30°-60°)	553.9	16.0			
FH	(60°-80°)	731.4	21.2			G1/1800
FVH	(80°-90°)	209.6	6.1			G2/225
BL	(0°-30°)	70.8	2.1	B0/110		
BM	(30°-60°)	553.9	16.0	B1/1000		
BH	(60°-80°)	731.4	21.2	B2/1000		G1/1800
BVH	(80°-90°)	209.6	6.1			G2/225
UL	(90°-100°)	181.1	5.2		U3/500	
UH	(100°-180°)	160.7	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°	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
2.5°	89.3	88.9	89.3	89.3	89.7	89.7	89.7	89.7	89.3	89.3	89.3
5°	92.4	92.4	92.4	92.4	92.8	92.8	92.8	92.4	92.4	92.4	92.4
7.5°	98.2	97.8	98.2	97.8	97.8	97.4	97.8	97.4	97.0	97.0	97.0
10°	105.5	105.5	105.5	105.1	105.1	105.1	104.3	104.3	104.3	104.7	104.3
12.5°	117.4	116.7	116.7	115.1	114.3	114.0	113.6	113.6	114.7	114.7	114.0
15°	131.3	130.9	130.9	129.0	127.4	125.1	125.5	127.0	127.0	127.8	127.4
17.5°	147.8	147.5	146.3	144.4	142.4	140.9	140.1	140.9	141.7	142.1	142.4
20°	165.9	165.5	164.0	162.1	160.2	159.4	156.7	157.8	158.6	159.4	159.0
22.5°	185.2	185.2	183.6	180.9	179.0	177.5	176.3	175.2	177.9	179.4	179.8
25°	208.7	207.9	205.2	202.1	199.8	198.7	197.1	197.1	199.0	202.1	202.9
27.5°	233.3	232.5	228.7	225.2	222.1	219.4	218.7	219.8	223.3	227.9	227.9
30°	260.6	259.1	255.6	250.2	245.2	242.5	243.3	245.2	250.2	255.6	255.2
32.5°	290.7	288.0	284.1	278.0	270.6	266.8	268.0	273.3	278.3	284.1	284.9
35°	322.6	322.2	316.1	308.0	298.8	292.6	294.9	302.2	309.9	318.0	319.2
37.5°	355.3	356.5	349.2	340.3	326.9	319.5	324.5	334.9	344.6	353.4	354.2
40°	395.4	394.2	386.9	373.8	357.7	349.6	353.8	368.4	380.8	391.9	392.7
42.5°	436.6	433.5	427.3	411.6	390.0	382.7	388.8	405.4	421.9	431.2	431.6
45°	475.5	476.6	469.7	450.8	427.0	415.8	424.6	444.3	463.5	473.5	474.7
47.5°	524.4	521.3	515.1	490.9	463.9	452.7	462.8	486.6	507.8	517.0	516.7
50°	572.1	570.2	561.3	535.9	505.5	492.0	502.0	531.3	554.4	562.5	564.4
52.5°	617.5	616.8	609.1	580.9	548.2	531.7	545.5	575.9	602.5	610.6	611.4
55°	664.1	661.8	656.0	626.8	589.4	570.9	588.3	622.1	649.5	657.2	657.6
57.5°	705.7	707.2	702.6	671.8	628.7	611.0	630.2	668.0	695.7	703.0	704.1
60°	747.3	747.6	744.2	714.2	668.3	648.3	670.7	709.9	739.6	746.1	746.5
62.5°	780.0	780.8	778.1	745.3	699.5	680.3	704.9	745.7	776.1	780.8	780.4
65°	800.0	802.3	800.8	771.1	722.2	704.5	730.3	773.1	800.8	803.5	802.3
67.5°	802.3	805.0	807.3	780.4	733.8	714.9	742.3	783.1	809.2	810.4	806.9
70°	785.4	788.1	793.5	771.1	728.0	712.2	738.4	775.0	796.9	795.4	791.5
72.5°	741.9	747.6	755.7	740.7	704.5	691.4	717.2	746.5	761.5	755.7	750.3
75°	679.5	685.3	700.7	692.2	664.5	657.2	676.4	698.4	702.6	694.1	686.8
77.5°	603.7	611.0	625.2	631.8	613.3	606.0	622.1	633.7	629.1	610.6	605.2
80°	515.1	526.7	541.7	552.1	547.5	545.1	553.2	552.1	535.1	520.5	511.3
82.5°	434.3	436.6	459.7	472.8	474.3	475.1	477.4	463.5	443.9	424.3	415.8
85°	355.0	355.7	375.0	393.8	401.2	403.5	399.2	380.8	360.4	338.4	332.6
87.5°	284.5	285.7	302.6	321.9	334.6	336.1	328.0	309.9	284.5	264.9	259.9
90°	224.8	228.7	245.6	261.4	274.9	277.2	265.6	246.4	222.9	204.0	201.0
92.5°	179.8	181.7	197.1	211.7	224.4	224.8	216.7	197.1	176.3	159.4	155.5
95°	144.4	145.9	158.2	171.7	182.1	184.4	175.2	157.8	138.6	124.0	123.2
97.5°	115.1	117.0	126.7	140.9	148.6	150.1	144.0	127.8	110.1	97.0	97.0
100°	92.4	93.6	102.0	114.0	122.0	123.6	117.4	103.2	87.8	76.2	75.5
102.5°	75.1	75.8	82.8	93.6	100.9	102.4	97.0	85.5	70.5	61.2	60.8
105°	61.6	62.0	67.4	77.4	84.3	85.5	80.5	70.5	57.0	49.3	48.9
107.5°	50.4	50.8	55.1	64.3	70.8	72.0	67.8	57.7	46.2	40.8	40.0
110°	42.3	42.7	45.8	53.1	59.7	61.2	57.0	48.1	38.1	33.5	33.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	35.8	36.2	38.5	44.7	50.4	52.4	48.1	40.0	32.0	28.5	28.1
115°	30.4	30.8	32.3	37.7	42.3	43.9	40.8	33.5	26.9	24.3	24.3
117.5°	26.6	26.9	27.7	32.0	36.2	37.3	34.3	28.1	22.7	21.2	21.2
120°	23.5	23.5	23.9	26.9	30.4	31.6	28.9	23.9	19.6	18.5	18.5
122.5°	20.4	20.4	20.8	23.1	25.8	26.6	24.3	20.0	16.9	16.6	16.2
125°	18.1	18.1	18.1	19.6	21.9	22.3	20.4	16.9	15.0	14.6	14.6
127.5°	15.8	15.8	15.8	16.6	18.1	18.5	16.9	14.2	13.1	12.7	12.7
130°	13.9	13.9	13.9	14.2	15.0	15.4	13.9	12.3	11.5	11.5	11.5
132.5°	12.3	12.3	11.9	11.9	12.3	12.3	11.5	10.4	10.0	10.0	10.0
135°	10.8	10.8	10.4	10.0	10.0	9.6	8.9	8.5	8.9	8.9	8.9
137.5°	9.2	9.2	8.9	8.5	8.1	7.7	7.3	6.9	7.3	7.7	7.7
140°	7.7	7.7	7.3	6.5	6.2	5.8	5.4	5.8	6.2	6.5	6.5
142.5°	6.2	6.2	6.2	5.4	4.6	4.2	4.2	4.6	5.0	5.4	5.4
145°	5.0	5.0	4.6	4.2	3.5	3.1	3.1	3.5	4.2	4.2	4.2
147.5°	3.8	3.8	3.5	3.1	2.3	1.9	2.3	2.7	3.1	3.5	3.5
150°	2.7	2.7	2.7	2.3	1.5	1.5	1.5	1.9	2.3	2.3	2.3
152.5°	1.5	1.5	1.5	1.5	1.2	0.8	1.2	1.5	1.5	1.5	1.5
155°	1.2	1.2	1.2	1.2	0.8	0.8	0.8	1.2	1.2	1.2	1.2
157.5°	0.4	0.4	0.4	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
160°	0.0	0.0	0.4	0.4	0.8	0.8	0.8	0.8	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)