

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: P414604

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

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414604
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-PA1-30-730-U-5WQ-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 375mA 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: 3533 lumens
Efficiency: N/A
Efficacy: 114.0 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): 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

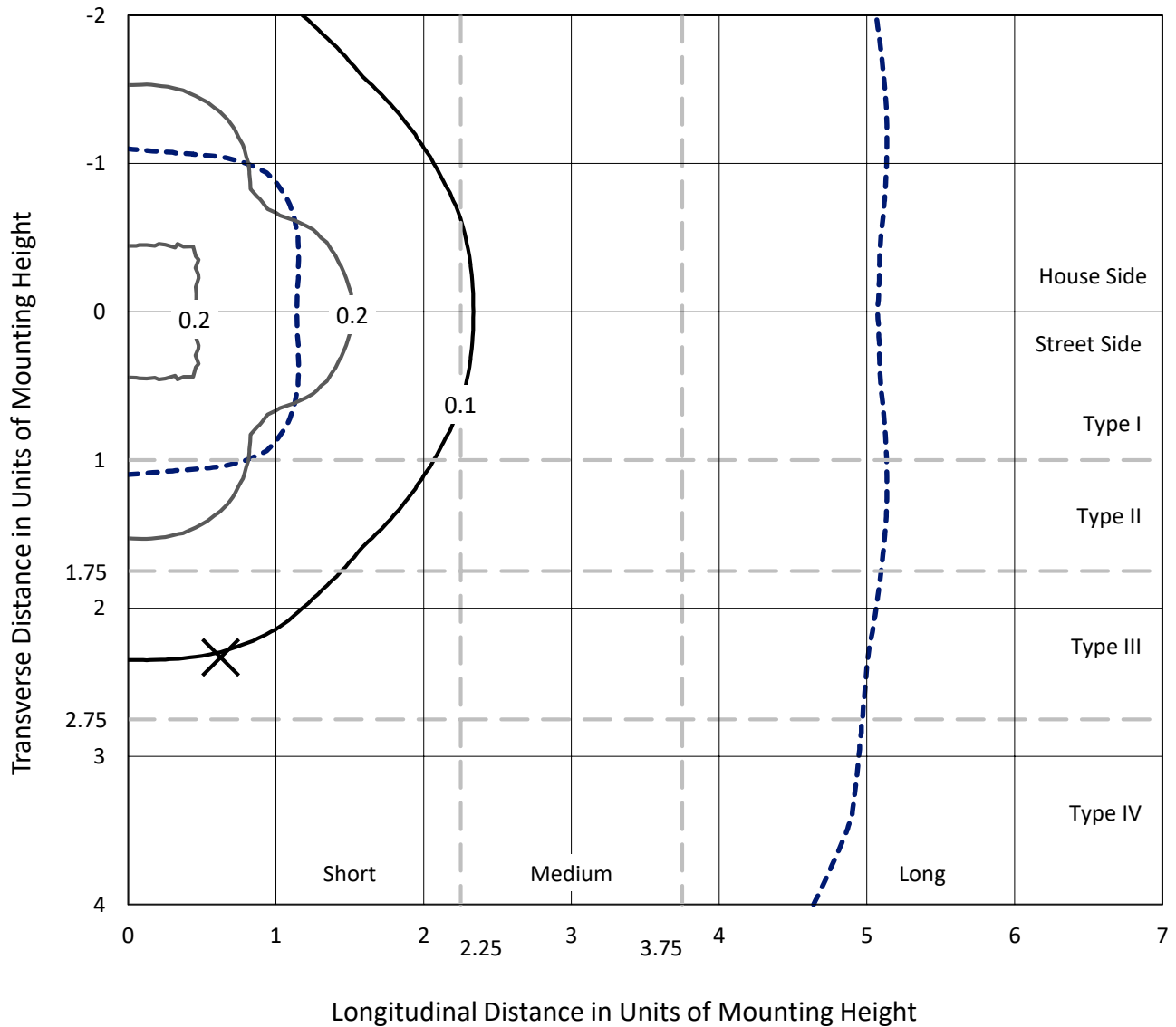


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

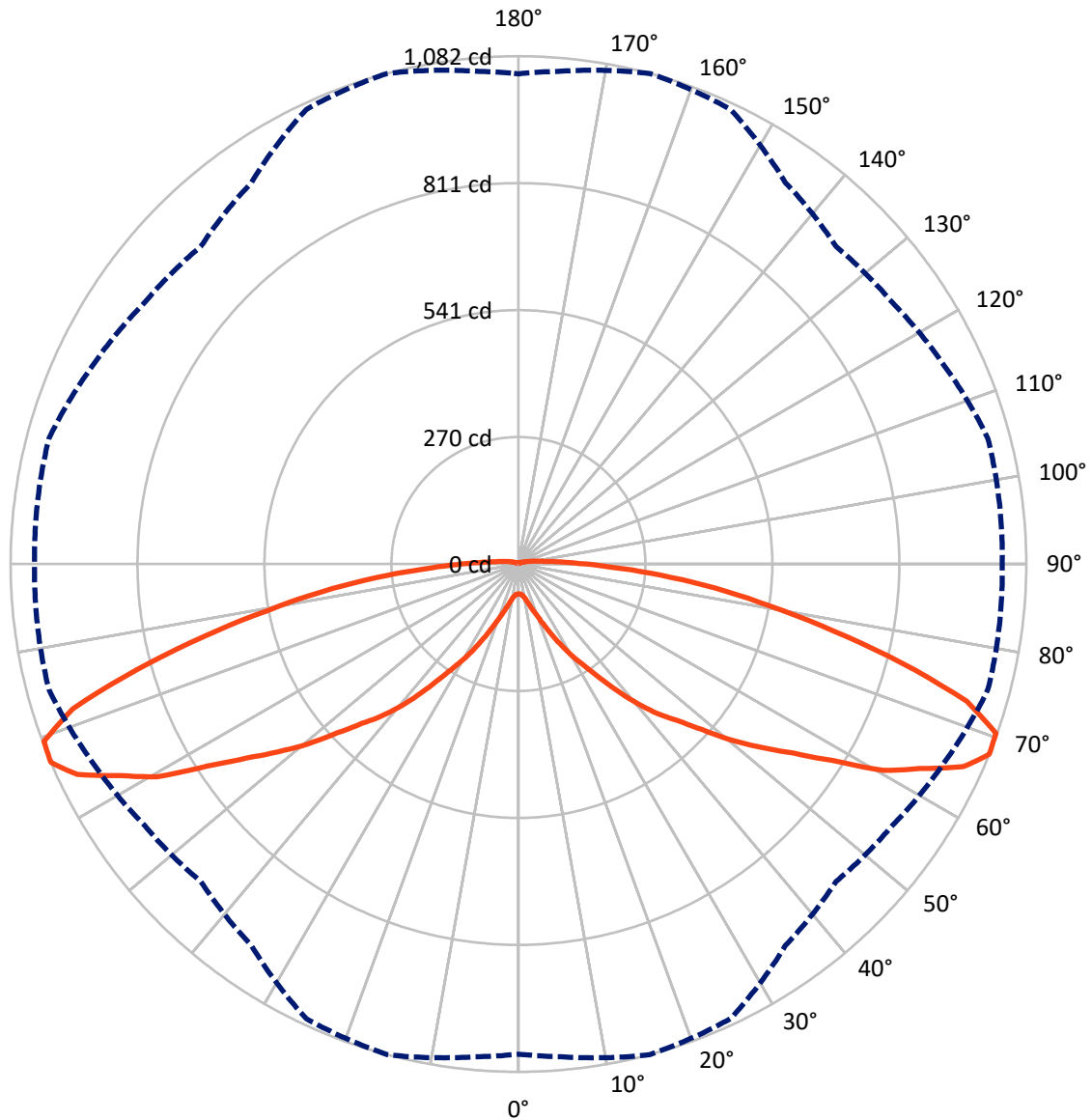


Based on 25 foot mounting height. Maximum calculated value = 0.3 fc
 Type V - Short - Non-Cutoff

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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	1696.8	69.7	1766.5
	% Fixture	48.0	2.0	50.0
Street Side	Lumens	1696.8	69.7	1766.5
	% Fixture	48.0	2.0	50.0
Total	Lumens	3393.5	139.4	3533.0
	% Fixture	96.1	3.9	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.4	0.2
10°-20°	26.4	0.7
20°-30°	76.1	2.2
30°-40°	179.1	5.1
40°-50°	337.7	9.6
50°-60°	602.2	17.0
60°-70°	952.0	26.9
70°-80°	838.8	23.7
80°-90°	374.9	10.6
90°-100°	93.1	2.6
100°-110°	25.6	0.7
110°-120°	10.3	0.3
120°-130°	5.5	0.2
130°-140°	3.2	0.1
140°-150°	1.3	0.0
150°-160°	0.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3393.5	96.1
0°-180°	3533.0	100.0



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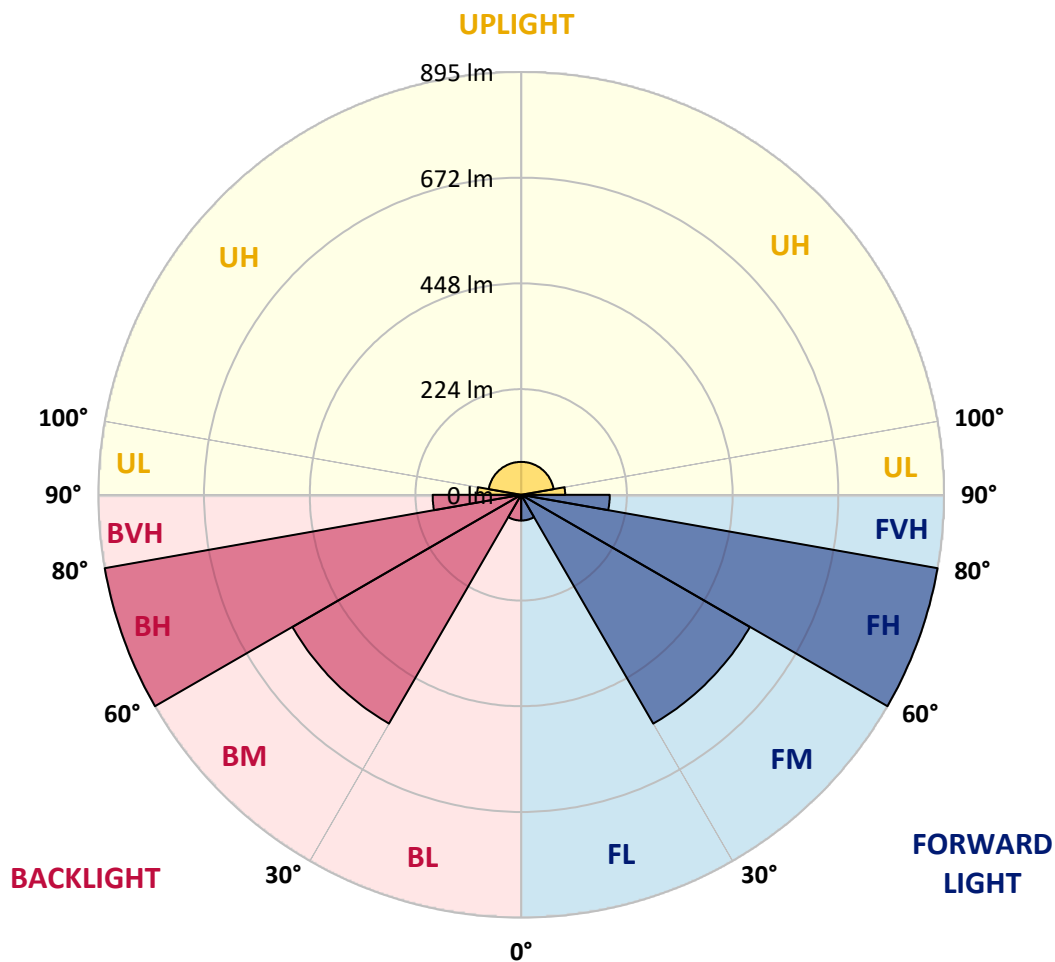
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	54.4	1.5			
FM	(30°-60°)	559.5	15.8			
FH	(60°-80°)	895.4	25.3			G1/1800
FVH	(80°-90°)	187.4	5.3			G2/225
BL	(0°-30°)	54.4	1.5	B0/110		
BM	(30°-60°)	559.5	15.8	B1/1000		
BH	(60°-80°)	895.4	25.3	B2/1000		G1/1800
BVH	(80°-90°)	187.4	5.3			G2/225
UL	(90°-100°)	93.1	2.6		U3/500	
UH	(100°-180°)	69.7	2.0		U3/500	

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°	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
2.5°	63.5	63.5	63.9	63.9	64.3	64.7	64.3	63.9	63.5	63.2	63.2
5°	65.5	65.5	65.5	65.5	65.8	65.8	65.5	64.7	64.3	63.9	63.9
7.5°	68.5	68.5	68.5	68.5	68.5	68.2	67.4	66.6	66.2	65.8	65.8
10°	73.6	73.6	72.8	72.8	72.4	72.0	71.2	70.5	69.7	70.1	70.1
12.5°	82.0	82.4	81.3	79.3	77.8	77.0	76.6	76.6	77.8	77.8	78.2
15°	94.3	94.3	92.4	89.7	86.6	84.3	85.1	87.0	89.0	90.1	90.1
17.5°	107.8	107.8	105.9	102.4	98.2	97.0	96.7	98.6	102.8	104.4	104.7
20°	124.8	124.8	121.3	116.3	112.4	110.9	110.9	114.0	118.6	122.1	121.7
22.5°	147.9	147.5	142.5	134.0	129.0	126.7	126.3	130.5	138.6	144.0	145.6
25°	175.6	175.2	168.7	157.5	149.8	143.6	145.2	152.5	164.8	173.3	173.3
27.5°	207.2	205.6	197.2	184.8	173.3	165.2	167.5	177.9	193.3	204.9	205.2
30°	238.0	238.0	228.7	214.1	198.7	188.7	191.4	206.0	224.5	242.6	243.0
32.5°	270.7	270.3	258.8	244.1	225.3	214.1	218.3	236.4	262.6	283.4	287.3
35°	312.7	313.1	296.9	276.9	253.0	240.7	246.5	269.9	301.1	326.2	328.5
37.5°	357.7	360.1	342.3	316.5	284.6	269.6	278.0	305.4	341.6	367.8	367.8
40°	406.3	407.4	391.2	358.5	320.0	300.4	311.5	340.8	368.5	390.9	392.0
42.5°	447.5	448.6	435.9	404.0	360.8	337.3	343.9	366.2	392.4	417.4	419.7
45°	479.8	483.7	476.0	448.6	404.7	376.2	375.5	398.2	429.8	455.9	459.0
47.5°	538.3	540.3	526.8	494.4	449.8	418.6	415.5	438.2	479.4	507.5	509.5
50°	589.9	595.7	590.7	556.1	502.9	465.2	465.6	495.6	540.3	568.8	571.5
52.5°	648.1	650.8	649.3	619.6	568.0	523.3	528.3	562.2	610.4	628.1	631.2
55°	701.2	705.5	710.9	688.9	637.7	598.4	603.0	639.2	671.6	688.5	690.1
57.5°	785.6	789.8	789.4	757.1	713.2	675.1	682.8	711.2	753.6	782.5	787.5
60°	877.2	883.4	893.0	851.0	785.2	758.6	768.2	809.4	857.6	861.8	867.2
62.5°	938.4	941.5	959.6	945.8	869.1	837.2	862.6	897.6	922.7	926.5	925.0
65°	1018.5	1028.6	1041.3	1009.3	947.7	903.8	933.1	959.2	1004.3	1008.1	1007.4
67.5°	1044.0	1053.6	1081.7	1068.6	991.6	956.5	971.6	1000.4	1035.1	1032.0	1030.5
70°	1045.9	1055.1	1079.0	1072.1	1001.6	953.1	968.5	979.7	1011.6	1012.0	1007.8
72.5°	941.1	957.3	998.1	1010.5	948.8	899.2	900.3	899.9	902.3	876.8	866.8
75°	792.9	804.4	844.5	874.1	842.6	799.8	799.0	766.7	759.8	740.5	733.6
77.5°	635.0	649.3	687.8	720.1	708.9	685.8	673.9	637.3	627.3	605.4	608.0
80°	493.7	504.8	543.0	584.9	588.0	571.8	558.8	528.7	509.1	490.6	482.5
82.5°	380.1	389.7	422.4	467.9	486.7	484.8	466.3	432.4	414.7	397.0	386.6
85°	262.6	271.1	303.4	358.5	392.4	404.3	383.5	340.8	309.2	284.2	278.4
87.5°	169.4	173.3	199.1	246.8	297.7	325.8	303.8	250.3	210.6	190.6	184.1
90°	105.9	111.7	130.2	159.8	209.5	245.3	223.0	168.7	140.2	119.8	115.5
92.5°	73.6	72.8	85.5	106.3	142.9	172.1	152.9	111.7	88.6	75.1	72.4
95°	48.5	50.4	57.4	70.5	96.7	114.8	100.9	74.3	58.1	48.5	47.4
97.5°	36.2	36.6	42.0	50.1	65.8	75.5	67.0	51.6	41.2	35.0	34.7
100°	28.5	28.9	32.7	37.4	46.2	52.4	47.0	38.9	32.0	27.3	27.3
102.5°	22.3	22.7	25.4	29.3	35.0	38.9	35.8	30.0	25.0	21.6	21.2
105°	17.7	17.7	20.0	23.1	27.3	30.0	28.1	23.5	19.3	16.9	16.9
107.5°	13.9	14.2	15.8	18.1	21.9	24.6	22.3	18.1	15.0	13.1	13.1
110°	11.2	11.2	12.3	14.6	17.7	20.0	18.1	14.6	11.9	10.8	10.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	9.2	9.2	10.0	11.9	14.6	16.6	14.6	11.9	9.6	8.9	8.9
115°	7.7	7.7	8.5	9.6	12.3	13.5	12.3	9.6	8.1	7.3	7.3
117.5°	6.9	6.9	7.3	8.5	10.4	11.2	10.4	8.1	6.9	6.5	6.5
120°	6.2	6.2	6.5	7.3	8.9	9.6	8.9	7.3	6.2	5.8	5.8
122.5°	5.8	5.8	5.8	6.5	8.1	8.5	7.7	6.5	5.4	5.4	5.4
125°	5.4	5.4	5.4	5.8	6.9	7.3	6.9	5.8	5.0	5.0	5.0
127.5°	5.0	5.0	5.0	5.4	6.2	6.5	6.2	5.4	4.6	4.6	4.6
130°	5.0	5.0	4.6	5.0	5.4	5.8	5.4	5.0	4.6	4.2	4.6
132.5°	4.6	4.6	4.6	4.6	5.0	5.0	5.0	4.6	4.2	4.2	4.2
135°	4.2	4.2	3.9	3.9	4.2	4.6	4.2	3.9	3.9	3.9	3.9
137.5°	3.9	3.5	3.5	3.5	3.9	3.9	3.9	3.5	3.5	3.5	3.5
140°	3.1	3.1	3.1	3.1	3.1	3.5	3.1	2.7	2.7	3.1	3.1
142.5°	2.7	2.7	2.7	2.3	2.7	2.7	2.7	2.3	2.3	2.3	2.3
145°	2.3	2.3	2.3	1.9	2.3	2.3	2.3	1.9	1.9	1.9	1.9
147.5°	1.5	1.9	1.5	1.5	1.9	1.9	1.5	1.5	1.5	1.5	1.5
150°	1.2	1.2	1.2	1.2	1.5	1.5	1.2	1.2	1.2	1.2	1.2
152.5°	0.8	0.8	1.2	1.2	1.2	1.2	1.2	1.2	0.8	0.8	0.8
155°	0.8	0.8	0.8	0.8	1.2	1.2	0.8	0.8	0.8	0.4	0.4
157.5°	0.4	0.4	0.4	0.4	0.8	1.2	0.8	0.4	0.4	0.4	0.4
160°	0.0	0.0	0.0	0.4	0.8	1.2	0.8	0.4	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)