

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: P415646

Luminaire Tested: **LXF.LXT-PA1-50-827-U-5WQ-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415646
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-PA1-50-827-U-5WQ-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 670mA 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: 4655 lumens
Efficiency: N/A
Efficacy: 86.2 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 - G3

Input Watts (W): 54
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

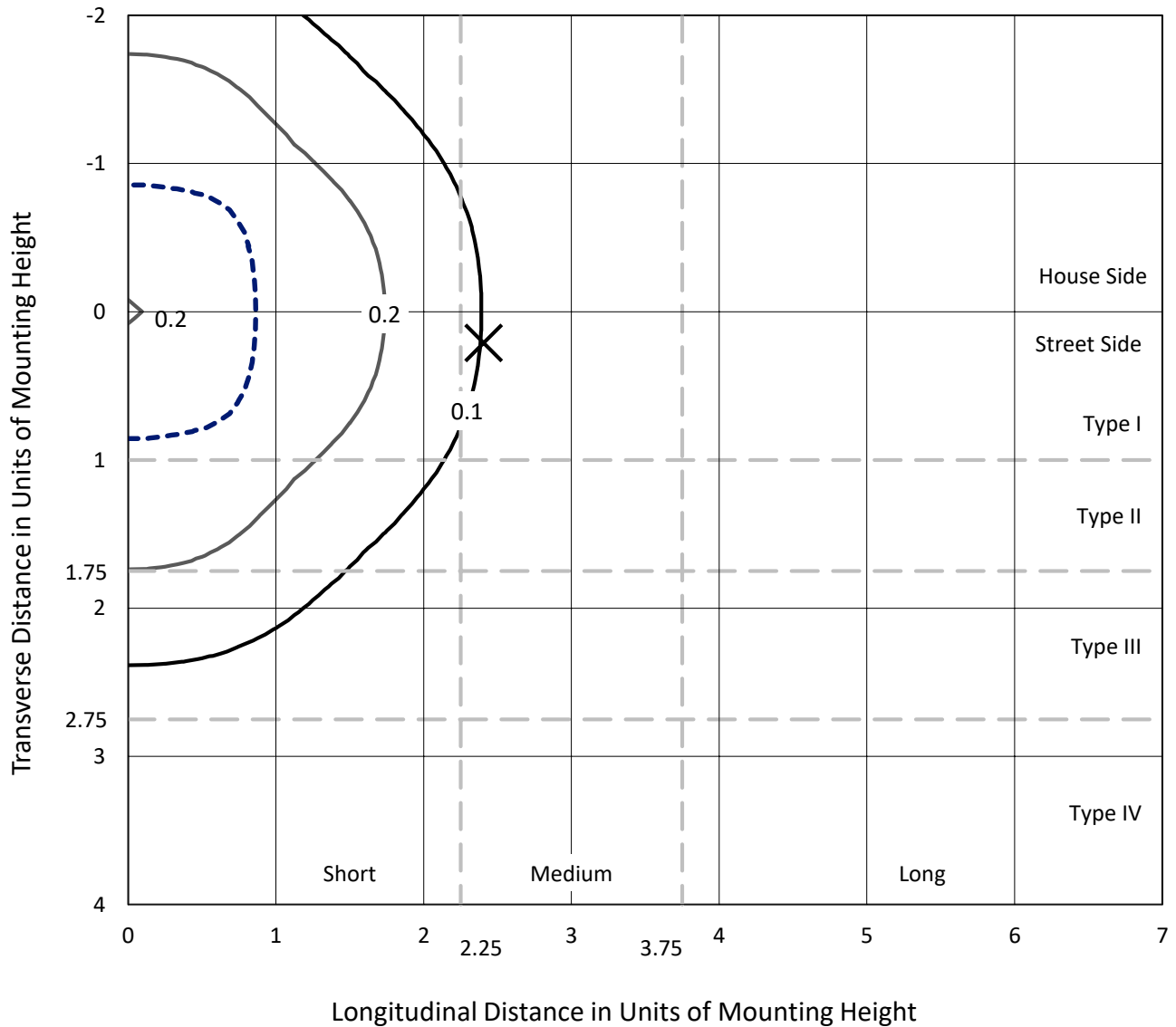


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

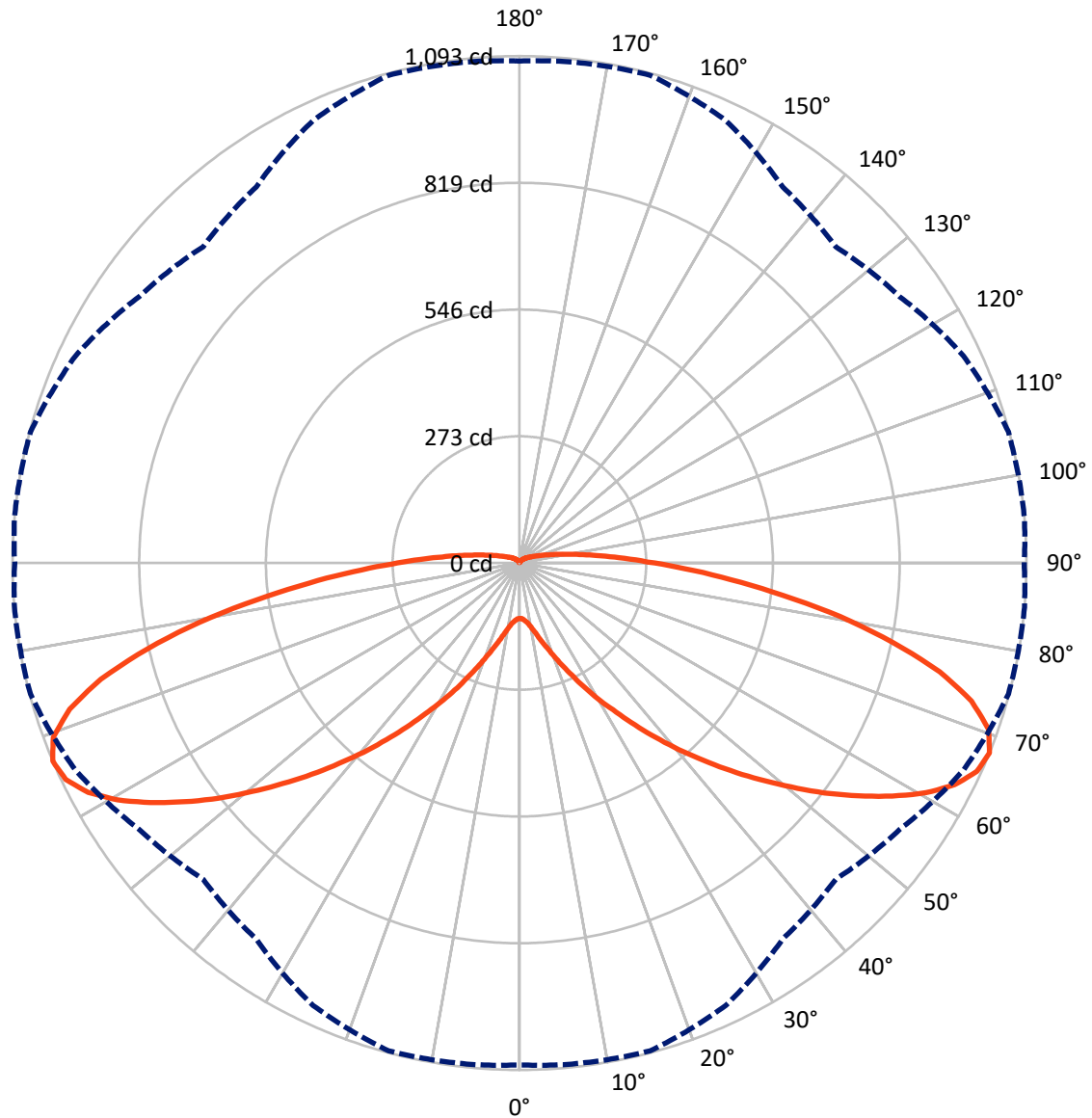


Based on 25 foot mounting height. Maximum calculated value = 0.4 fc
 Type V - Medium - Non-Cutoff

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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	2110.8	216.7	2327.5
	% Fixture	45.3	4.7	50.0
Street Side	Lumens	2110.8	216.7	2327.5
	% Fixture	45.3	4.7	50.0
Total	Lumens	4221.7	433.4	4655.0
	% Fixture	90.7	9.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.4	0.3
10°-20°	50.6	1.1
20°-30°	128.0	2.7
30°-40°	263.3	5.7
40°-50°	473.4	10.2
50°-60°	756.8	16.3
60°-70°	1012.6	21.8
70°-80°	959.5	20.6
80°-90°	565.1	12.1
90°-100°	244.1	5.2
100°-110°	104.0	2.2
110°-120°	47.9	1.0
120°-130°	22.9	0.5
130°-140°	10.2	0.2
140°-150°	3.5	0.1
150°-160°	0.7	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4221.7	90.7
0°-180°	4655.0	100.0



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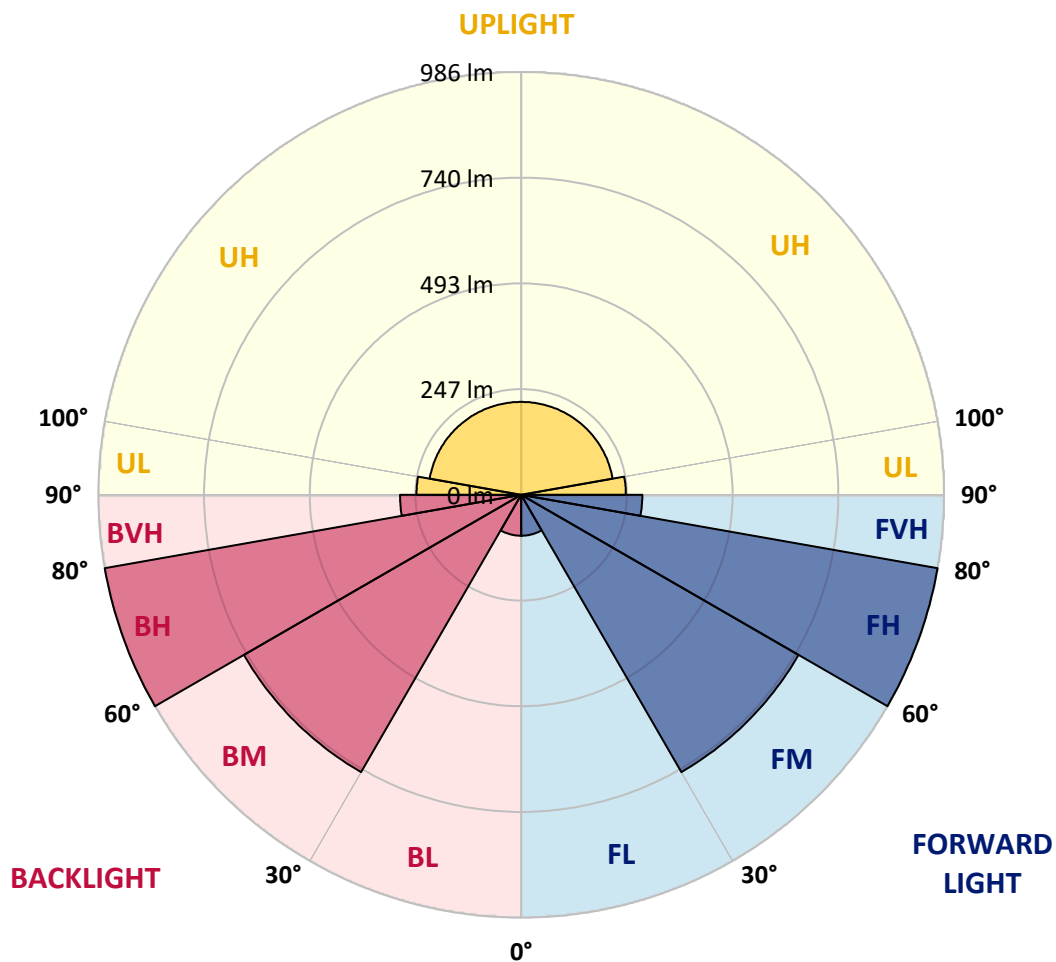
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	95.5	2.1			
FM	(30°-60°)	746.8	16.0			
FH	(60°-80°)	986.0	21.2			G1/1800
FVH	(80°-90°)	282.6	6.1			G3/500
BL	(0°-30°)	95.5	2.1	B0/110		
BM	(30°-60°)	746.8	16.0	B1/1000		
BH	(60°-80°)	986.0	21.2	B2/1000		G1/1800
BVH	(80°-90°)	282.6	6.1			G3/500
UL	(90°-100°)	244.1	5.2		U3/500	
UH	(100°-180°)	216.7	4.7		U3/500	

BUG Rating: B2-U3-G3

Type V Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	119.4	119.4	119.4	119.4	119.4	119.4	119.4	119.4	119.4	119.4	119.4
2.5°	120.4	119.9	120.4	120.4	120.9	120.9	120.9	120.9	120.4	120.4	120.4
5°	124.6	124.6	124.6	124.6	125.1	125.1	125.1	124.6	124.6	124.6	124.6
7.5°	132.3	131.8	132.3	131.8	131.8	131.3	131.8	131.3	130.8	130.8	130.8
10°	142.2	142.2	142.2	141.7	141.7	141.7	140.7	140.7	140.7	141.2	140.7
12.5°	158.3	157.3	157.3	155.2	154.1	153.6	153.1	153.1	154.7	154.7	153.6
15°	177.0	176.5	176.5	173.9	171.8	168.7	169.2	171.3	171.3	172.3	171.8
17.5°	199.3	198.8	197.2	194.6	192.0	190.0	188.9	190.0	191.0	191.5	192.0
20°	223.7	223.2	221.1	218.5	215.9	214.9	211.2	212.8	213.8	214.9	214.3
22.5°	249.6	249.6	247.6	243.9	241.3	239.3	237.7	236.1	239.8	241.9	242.4
25°	281.3	280.3	276.6	272.5	269.4	267.8	265.7	265.7	268.3	272.5	273.5
27.5°	314.5	313.5	308.3	303.6	299.5	295.8	294.8	296.4	301.0	307.3	307.3
30°	351.4	349.3	344.6	337.4	330.6	327.0	328.0	330.6	337.4	344.6	344.1
32.5°	391.8	388.2	383.0	374.7	364.9	359.7	361.2	368.5	375.2	383.0	384.1
35°	434.9	434.4	426.1	415.2	402.7	394.4	397.6	407.4	417.8	428.7	430.3
37.5°	479.0	480.6	470.7	458.8	440.6	430.8	437.5	451.5	464.5	476.4	477.5
40°	533.0	531.5	521.6	504.0	482.2	471.3	477.0	496.7	513.3	528.3	529.4
42.5°	588.6	584.4	576.1	554.8	525.8	515.9	524.2	546.5	568.8	581.3	581.8
45°	641.0	642.5	633.2	607.8	575.6	560.5	572.5	598.9	624.9	638.4	639.9
47.5°	706.9	702.7	694.4	661.7	625.4	610.4	623.8	656.0	684.6	697.0	696.5
50°	771.2	768.6	756.7	722.5	681.5	663.3	676.8	716.2	747.4	758.3	760.9
52.5°	832.5	831.4	821.1	783.2	739.1	716.7	735.4	776.4	812.2	823.1	824.2
55°	895.3	892.2	884.4	844.9	794.6	769.7	793.0	838.7	875.6	885.9	886.5
57.5°	951.3	953.4	947.2	905.7	847.5	823.7	849.6	900.5	937.8	947.7	949.3
60°	1007.4	1007.9	1003.2	962.8	901.0	874.0	904.1	957.0	997.0	1005.8	1006.4
62.5°	1051.5	1052.5	1048.9	1004.8	943.0	917.1	950.3	1005.3	1046.3	1052.5	1052.0
65°	1078.5	1081.6	1079.5	1039.6	973.7	949.8	984.6	1042.2	1079.5	1083.2	1081.6
67.5°	1081.6	1085.2	1088.4	1052.0	989.2	963.8	1000.6	1055.7	1090.9	1092.5	1087.8
70°	1058.8	1062.4	1069.7	1039.6	981.4	960.2	995.5	1044.8	1074.3	1072.3	1067.1
72.5°	1000.1	1007.9	1018.8	998.6	949.8	932.1	966.9	1006.4	1026.6	1018.8	1011.5
75°	916.0	923.8	944.6	933.2	895.8	885.9	911.9	941.5	947.2	935.8	925.9
77.5°	813.8	823.7	842.9	851.7	826.8	816.9	838.7	854.3	848.1	823.1	815.9
80°	694.4	710.0	730.2	744.3	738.0	734.9	745.8	744.3	721.4	701.7	689.2
82.5°	585.4	588.6	619.7	637.3	639.4	640.5	643.6	624.9	598.4	571.9	560.5
85°	478.5	479.6	505.5	530.9	540.8	543.9	538.2	513.3	485.8	456.2	448.4
87.5°	383.5	385.1	407.9	433.9	451.0	453.1	442.2	417.8	383.5	357.1	350.3
90°	303.1	308.3	331.1	352.4	370.6	373.7	358.1	332.2	300.5	275.1	270.9
92.5°	242.4	245.0	265.7	285.5	302.6	303.1	292.2	265.7	237.7	214.9	209.7
95°	194.6	196.7	213.3	231.5	245.5	248.6	236.1	212.8	186.8	167.1	166.1
97.5°	155.2	157.8	170.8	190.0	200.3	202.4	194.1	172.3	148.4	130.8	130.8
100°	124.6	126.1	137.5	153.6	164.5	166.6	158.3	139.1	118.3	102.8	101.7
102.5°	101.2	102.2	111.6	126.1	136.0	138.1	130.8	115.2	95.0	82.5	82.0
105°	83.0	83.6	90.8	104.3	113.7	115.2	108.5	95.0	76.8	66.4	65.9
107.5°	68.0	68.5	74.2	86.7	95.5	97.1	91.3	77.9	62.3	55.0	54.0
110°	57.1	57.6	61.8	71.6	80.4	82.5	76.8	64.9	51.4	45.2	45.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	48.3	48.8	51.9	60.2	68.0	70.6	64.9	54.0	43.1	38.4	37.9
115°	41.0	41.5	43.6	50.9	57.1	59.2	55.0	45.2	36.3	32.7	32.7
117.5°	35.8	36.3	37.4	43.1	48.8	50.3	46.2	37.9	30.6	28.5	28.5
120°	31.7	31.7	32.2	36.3	41.0	42.6	38.9	32.2	26.5	24.9	24.9
122.5°	27.5	27.5	28.0	31.1	34.8	35.8	32.7	27.0	22.8	22.3	21.8
125°	24.4	24.4	24.4	26.5	29.6	30.1	27.5	22.8	20.2	19.7	19.7
127.5°	21.3	21.3	21.3	22.3	24.4	24.9	22.8	19.2	17.6	17.1	17.1
130°	18.7	18.7	18.7	19.2	20.2	20.8	18.7	16.6	15.6	15.6	15.6
132.5°	16.6	16.6	16.1	16.1	16.6	16.6	15.6	14.0	13.5	13.5	13.5
135°	14.5	14.5	14.0	13.5	13.5	13.0	11.9	11.4	11.9	11.9	11.9
137.5°	12.5	12.5	11.9	11.4	10.9	10.4	9.9	9.3	9.9	10.4	10.4
140°	10.4	10.4	9.9	8.8	8.3	7.8	7.3	7.8	8.3	8.8	8.8
142.5°	8.3	8.3	8.3	7.3	6.2	5.7	5.7	6.2	6.7	7.3	7.3
145°	6.7	6.7	6.2	5.7	4.7	4.2	4.2	4.7	5.7	5.7	5.7
147.5°	5.2	5.2	4.7	4.2	3.1	2.6	3.1	3.6	4.2	4.7	4.7
150°	3.6	3.6	3.6	3.1	2.1	2.1	2.1	2.6	3.1	3.1	3.1
152.5°	2.1	2.1	2.1	2.1	1.6	1.0	1.6	2.1	2.1	2.1	2.1
155°	1.6	1.6	1.6	1.6	1.0	1.0	1.0	1.6	1.6	1.6	1.6
157.5°	0.5	0.5	0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
160°	0.0	0.0	0.5	0.5	1.0	1.0	1.0	1.0	0.5	0.5	0.5
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)