

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: P414972

Luminaire Tested: **LXF.LXT-PA1-40-727-U-5WQ-TL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P414972  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-21)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-40-727-U-5WQ-TL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2700K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS  
AND TEXTURED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4183 lumens  
Efficiency: N/A  
Efficacy: 104.6 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: B3 - U3 - G2

Input Watts (W): 40  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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

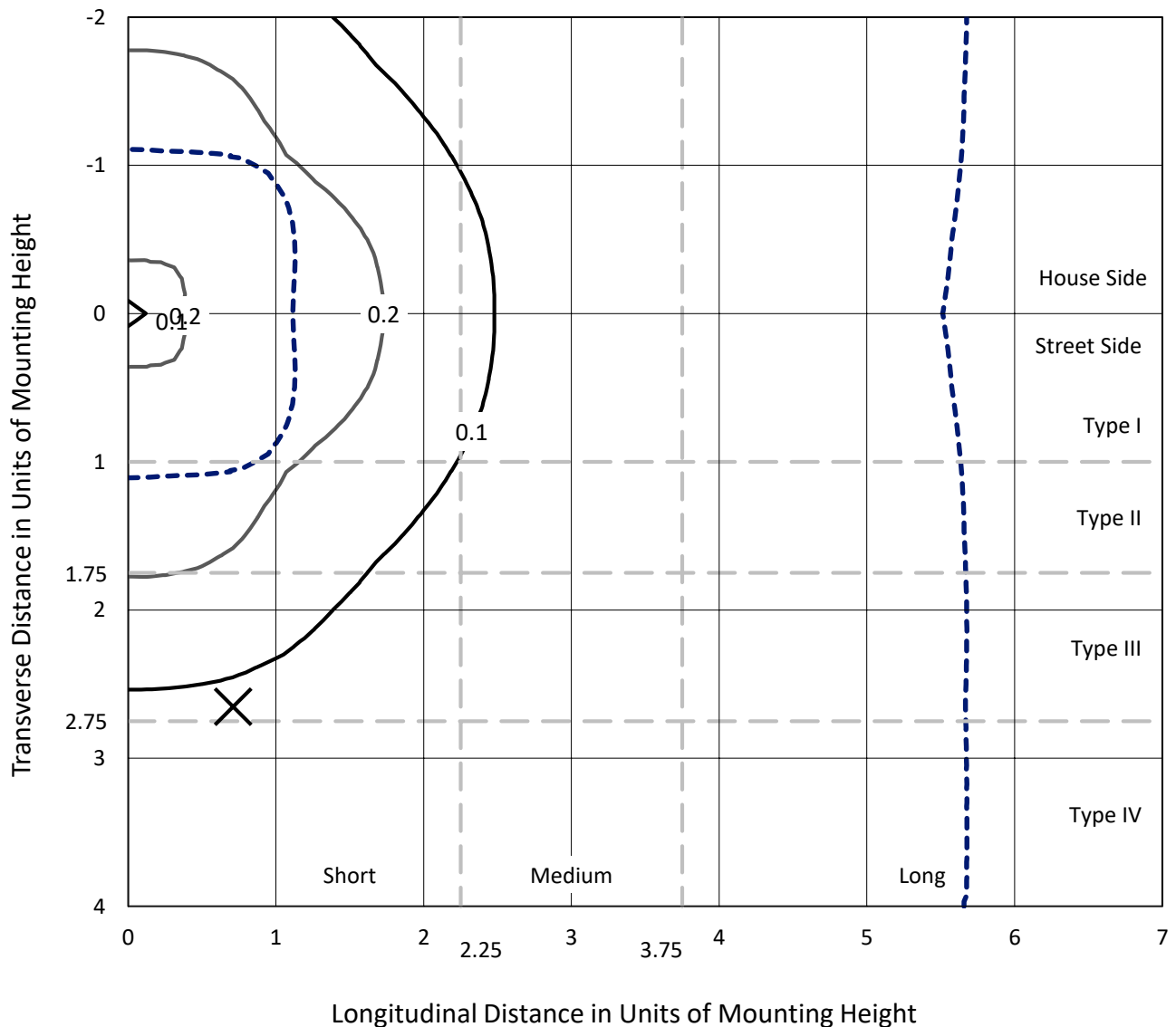


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### Iso-Footcandle Lines of Horizontal Illumination

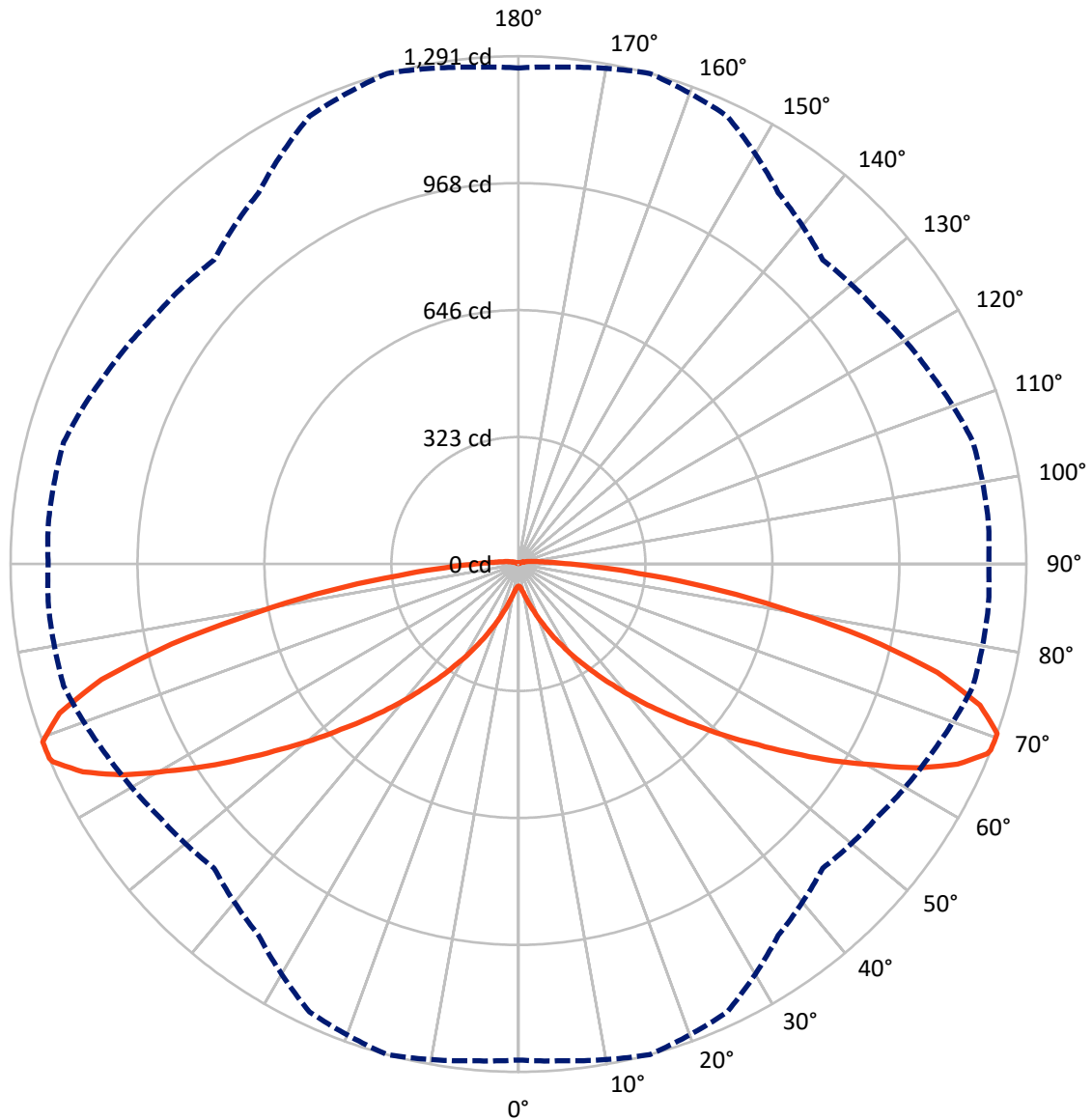
× Max cd  
 - - - 1/2 Max cd



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 70-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2017.8	73.7	2091.5
	% Fixture	48.2	1.8	50.0
<b>Street Side</b>	Lumens	2017.8	73.7	2091.5
	% Fixture	48.2	1.8	50.0
<b>Total</b>	Lumens	4035.7	147.3	4183.0
	% Fixture	96.5	3.5	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	6.3	0.1
10°-20°	30.2	0.7
20°-30°	90.9	2.2
30°-40°	208.9	5.0
40°-50°	401.7	9.6
50°-60°	710.2	17.0
60°-70°	1100.6	26.3
70°-80°	1068.1	25.5
80°-90°	419.0	10.0
90°-100°	90.2	2.2
100°-110°	30.8	0.7
110°-120°	13.5	0.3
120°-130°	6.8	0.2
130°-140°	3.7	0.1
140°-150°	1.7	0.0
150°-160°	0.5	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4035.7	96.5
0°-180°	4183.0	100.0



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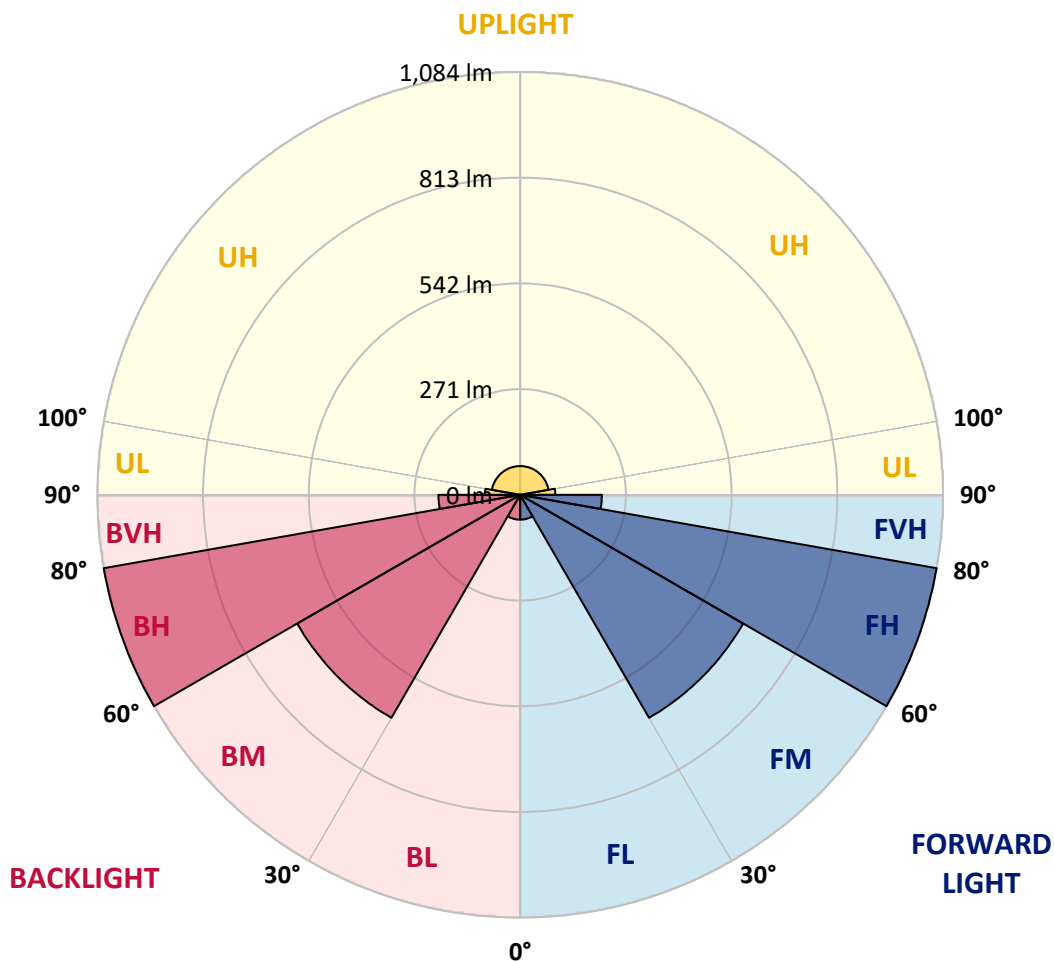
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	63.7	1.5			
FM (30°-60°)	660.4	15.8			
FH (60°-80°)	1084.3	25.9			G1/1800
FVH (80°-90°)	209.5	5.0			G2/225
BL (0°-30°)	63.7	1.5	B0/110		
BM (30°-60°)	660.4	15.8	B1/1000		
BH (60°-80°)	1084.3	25.9	B3/2500		G1/1800
BVH (80°-90°)	209.5	5.0			G2/225
UL (90°-100°)	90.2	2.2		U3/500	
UH (100°-180°)	73.7	1.8		U3/500	

**BUG Rating: B3-U3-G2**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
2.5°	57.2	57.2	57.2	57.7	57.7	58.2	57.7	57.2	57.2	56.8	56.8
5°	61.4	61.4	61.4	61.4	61.8	61.8	60.9	60.4	60.0	60.0	60.0
7.5°	67.8	67.8	68.2	67.8	67.8	67.3	66.4	65.5	65.5	65.0	65.0
10°	77.8	76.9	76.9	76.5	76.0	75.1	74.2	73.7	72.8	72.8	71.9
12.5°	91.6	91.1	89.7	88.4	86.5	85.2	84.2	83.8	83.8	83.8	84.7
15°	107.6	108.1	107.1	103.9	100.3	97.5	97.1	97.1	98.0	98.9	98.9
17.5°	128.7	127.7	125.5	121.8	117.2	114.5	112.6	114.0	116.3	117.7	118.6
20°	151.6	151.1	147.9	141.9	136.9	133.2	131.9	133.7	137.8	141.5	141.0
22.5°	178.1	177.7	172.6	164.8	158.0	153.8	152.5	156.1	164.8	169.4	170.3
25°	208.3	207.0	202.4	191.9	182.2	175.8	176.7	183.2	194.6	203.8	203.3
27.5°	242.7	240.8	232.1	220.2	207.4	201.0	202.8	213.4	228.9	239.5	240.8
30°	280.2	277.5	268.3	250.9	236.3	227.1	231.7	246.3	266.0	281.1	283.0
32.5°	316.4	319.6	304.0	286.6	266.5	254.6	260.5	280.7	304.9	326.0	327.8
35°	362.2	359.4	346.2	323.3	298.5	286.2	294.0	318.7	346.2	370.9	371.8
37.5°	411.2	408.4	391.0	363.1	334.3	319.6	329.7	356.2	391.5	416.2	421.7
40°	463.8	458.3	442.3	408.0	372.7	357.6	367.2	400.6	438.6	465.7	469.3
42.5°	515.6	512.4	495.9	456.5	416.2	397.0	411.2	444.1	488.1	514.7	519.2
45°	571.9	571.4	553.6	510.5	465.2	443.7	458.3	495.0	537.1	567.8	570.5
47.5°	631.4	631.9	616.3	573.3	518.3	494.1	508.2	549.5	598.9	626.4	629.1
50°	701.9	699.2	688.6	638.3	580.6	553.1	571.4	614.5	660.3	689.6	692.3
52.5°	776.1	776.1	763.7	717.5	650.2	621.8	637.4	681.3	732.6	759.2	764.7
55°	858.5	854.9	849.8	799.5	730.8	697.8	713.4	763.3	810.4	833.3	833.8
57.5°	947.8	944.1	943.2	897.9	819.6	776.6	794.4	841.6	895.2	910.3	914.8
60°	1034.3	1040.8	1037.1	997.3	908.9	860.4	880.5	930.0	981.7	995.4	1000.0
62.5°	1128.7	1131.9	1141.9	1093.4	998.2	946.4	966.6	1010.5	1063.2	1074.6	1076.5
65°	1210.2	1213.4	1226.7	1180.9	1072.8	1018.3	1041.2	1087.5	1140.1	1150.2	1144.2
67.5°	1258.7	1266.0	1286.2	1242.7	1131.4	1071.4	1094.8	1138.3	1184.1	1193.2	1185.4
68°	1266.0	1272.0	1290.8	1251.4	1138.7	1077.8	1102.6	1145.6	1192.3	1199.6	1193.7
70°	1261.0	1267.9	1291.2	1256.4	1152.0	1093.9	1117.2	1153.9	1196.9	1199.6	1195.5
72.5°	1191.4	1203.8	1226.7	1214.3	1129.6	1076.9	1096.6	1119.1	1148.8	1148.4	1143.3
75°	1058.2	1052.7	1099.8	1105.8	1049.9	1019.7	1029.3	1029.8	1035.7	1027.5	1011.0
77.5°	846.2	859.0	904.8	944.6	925.8	913.9	915.8	888.7	876.8	841.6	830.6
80°	617.2	627.3	676.3	736.7	763.7	777.5	761.9	711.1	669.4	633.2	620.9
82.5°	421.2	424.9	482.6	540.8	594.8	611.3	597.5	528.4	470.7	432.2	415.3
85°	259.2	265.1	306.3	364.0	427.7	465.2	433.2	364.0	305.9	275.6	268.8
87.5°	152.5	161.6	189.1	232.6	293.5	325.6	300.4	240.4	193.7	171.7	163.5
90°	95.2	100.7	118.1	149.7	196.9	220.2	203.3	156.1	125.0	106.2	100.3
92.5°	66.4	68.2	80.1	100.3	134.2	150.2	136.0	107.1	85.6	71.4	69.1
95°	49.5	50.8	58.2	71.0	92.5	104.9	95.2	75.5	60.9	51.3	49.9
97.5°	38.9	39.8	45.8	54.0	67.8	76.5	70.5	57.7	47.2	39.4	38.0
100°	30.2	31.1	36.6	43.0	53.1	57.7	54.0	45.3	37.1	30.2	29.3
102.5°	23.8	24.3	29.3	35.3	42.6	45.8	43.0	36.6	29.3	23.4	22.9
105°	18.8	19.2	23.8	29.3	35.3	37.5	35.7	30.2	23.4	17.9	17.4
107.5°	14.7	15.1	18.8	24.3	29.3	31.1	29.3	24.7	18.3	14.2	13.7



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	11.9	11.9	15.6	20.1	24.7	26.1	24.7	20.1	14.7	11.4	11.0
112.5°	10.1	10.1	12.8	16.9	20.6	22.4	20.6	16.5	11.9	9.2	9.2
115°	8.2	8.7	10.5	14.2	17.4	18.8	17.4	13.7	10.1	7.8	7.8
117.5°	7.3	7.8	9.2	11.9	15.1	16.0	14.7	11.4	8.2	6.9	6.9
120°	6.9	6.9	7.8	10.1	12.8	13.7	12.4	10.1	7.3	6.4	6.4
122.5°	6.4	6.4	6.9	8.7	11.0	11.9	10.5	8.2	6.4	6.0	5.5
125°	6.0	6.0	6.4	7.8	9.6	10.1	9.2	7.3	5.5	5.0	5.0
127.5°	5.5	5.5	6.0	6.9	8.2	8.7	8.2	6.4	5.0	5.0	5.0
130°	5.0	5.0	5.5	6.0	7.3	7.8	6.9	5.5	4.6	4.6	4.6
132.5°	4.6	4.6	4.6	5.5	6.4	6.4	6.0	5.0	4.6	4.1	4.1
135°	4.6	4.6	4.6	4.6	5.5	6.0	5.0	4.6	4.1	4.1	4.1
137.5°	4.1	4.1	4.1	4.1	4.6	5.0	4.6	4.1	3.7	3.7	3.7
140°	3.7	3.7	3.7	3.7	4.1	4.1	4.1	3.2	3.2	3.2	3.2
142.5°	3.2	3.2	3.2	3.2	3.2	3.7	3.2	2.7	2.7	2.7	2.7
145°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
147.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
150°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
152.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
155°	0.9	0.9	0.9	0.9	1.4	0.9	1.4	0.9	0.9	0.9	0.9
157.5°	0.5	0.5	0.9	0.9	0.9	1.4	0.9	0.9	0.5	0.5	0.5
160°	0.0	0.5	0.5	0.5	0.9	0.9	0.9	0.5	0.5	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)