

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: P414968

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

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414968
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-PA1-40-727-U-5WQ-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 500mA 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: 4201 lumens
Efficiency: N/A
Efficacy: 105.0 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: B3 - U3 - G2

Input Watts (W): 40
Input Voltage (V): NR
Input Current (Ain): 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

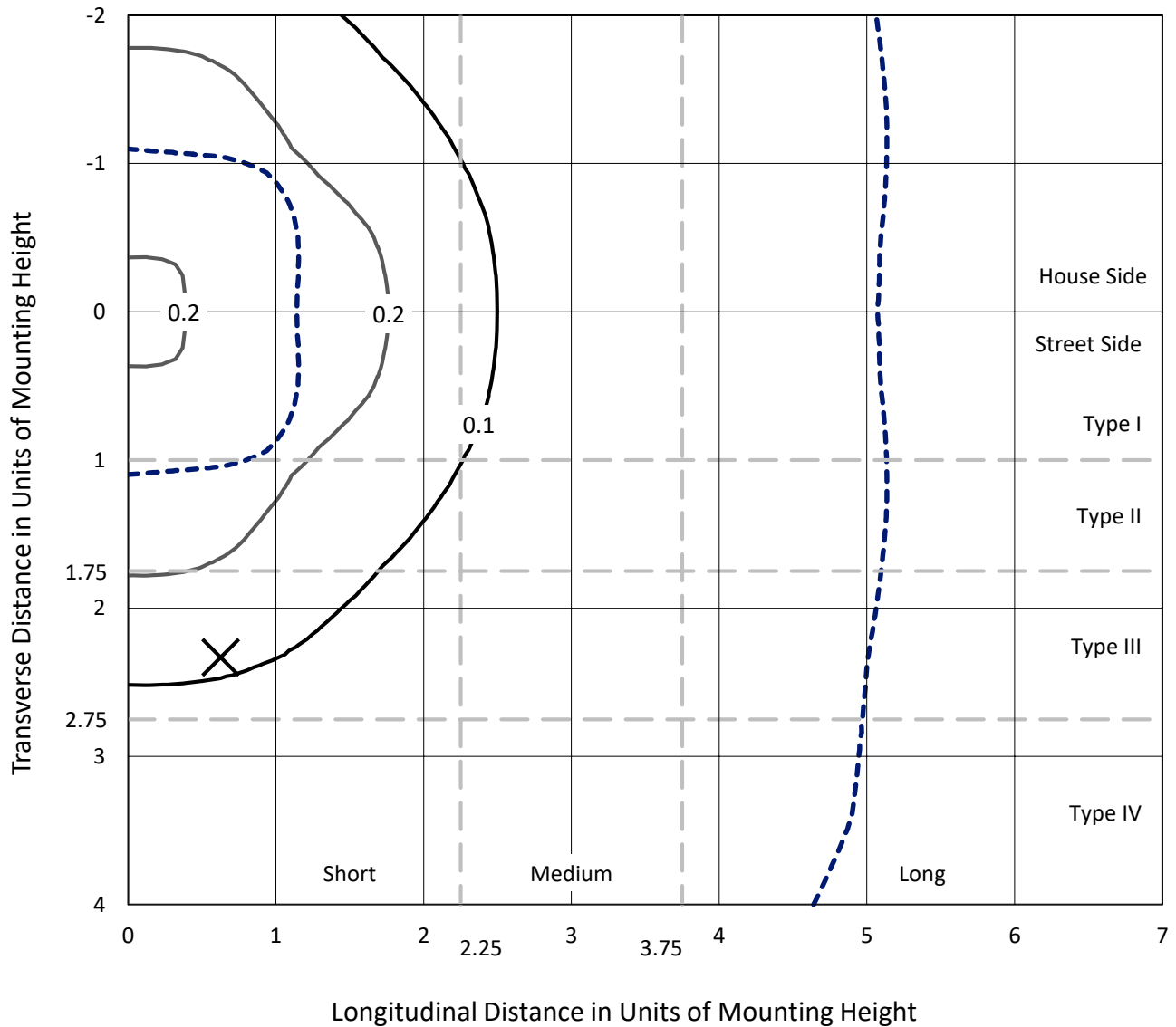


REPORT NUMBER: P414968

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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

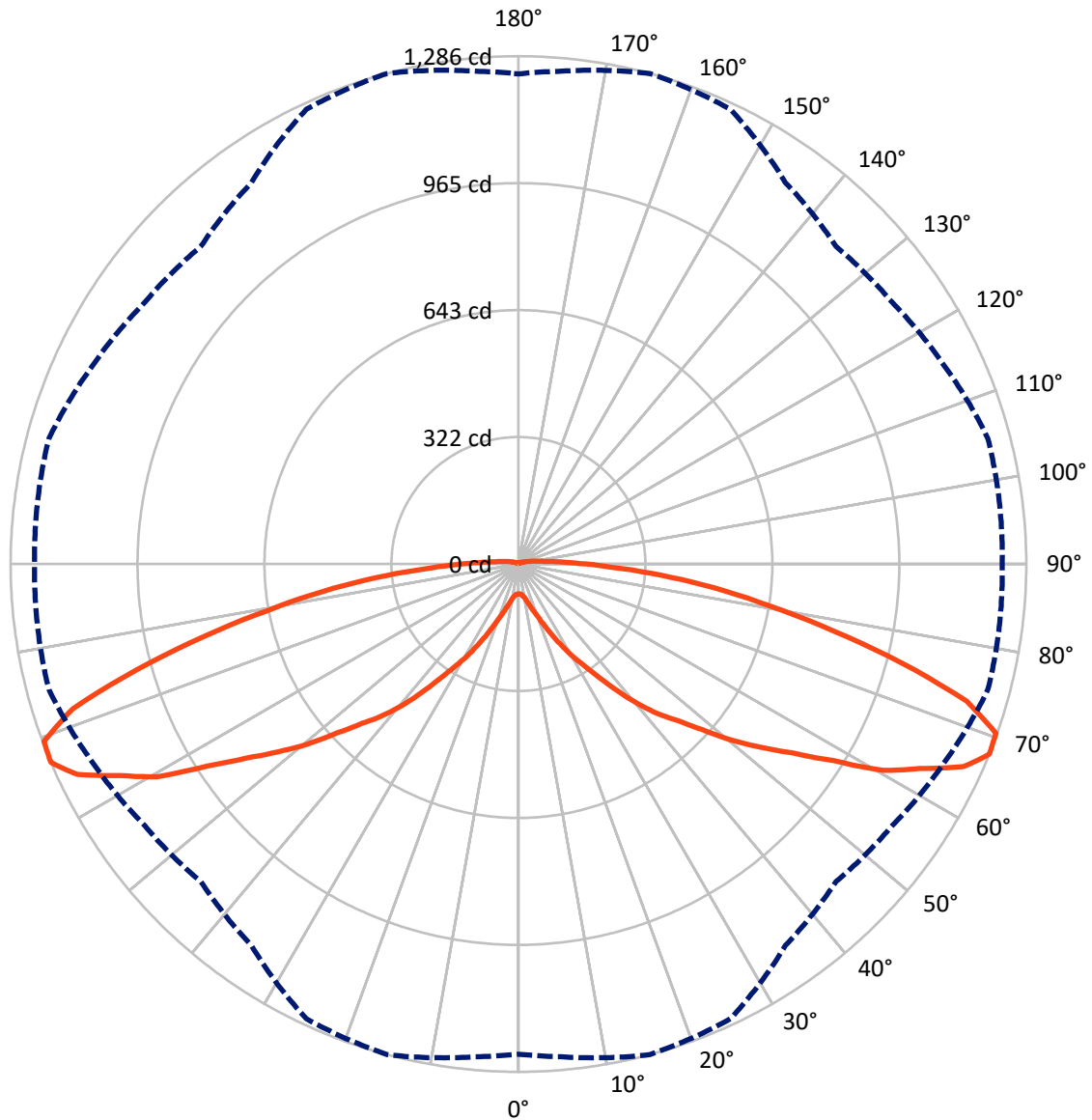


Based on 25 foot mounting height. Maximum calculated value = 0.3 fc
 Type V - Short - Non-Cutoff

REPORT NUMBER: P414968

CATALOG NUMBER: LXF.LXT-PA1-40-727-U-5WQ-A

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	2017.6	82.9	2100.5
	% Fixture	48.0	2.0	50.0
Street Side	Lumens	2017.6	82.9	2100.5
	% Fixture	48.0	2.0	50.0
Total	Lumens	4035.2	165.8	4201.0
	% Fixture	96.1	3.9	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.6	0.2
10°-20°	31.4	0.7
20°-30°	90.5	2.2
30°-40°	213.0	5.1
40°-50°	401.5	9.6
50°-60°	716.0	17.0
60°-70°	1132.0	26.9
70°-80°	997.4	23.7
80°-90°	445.8	10.6
90°-100°	110.7	2.6
100°-110°	30.5	0.7
110°-120°	12.2	0.3
120°-130°	6.5	0.2
130°-140°	3.8	0.1
140°-150°	1.6	0.0
150°-160°	0.5	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4035.2	96.1
0°-180°	4201.0	100.0



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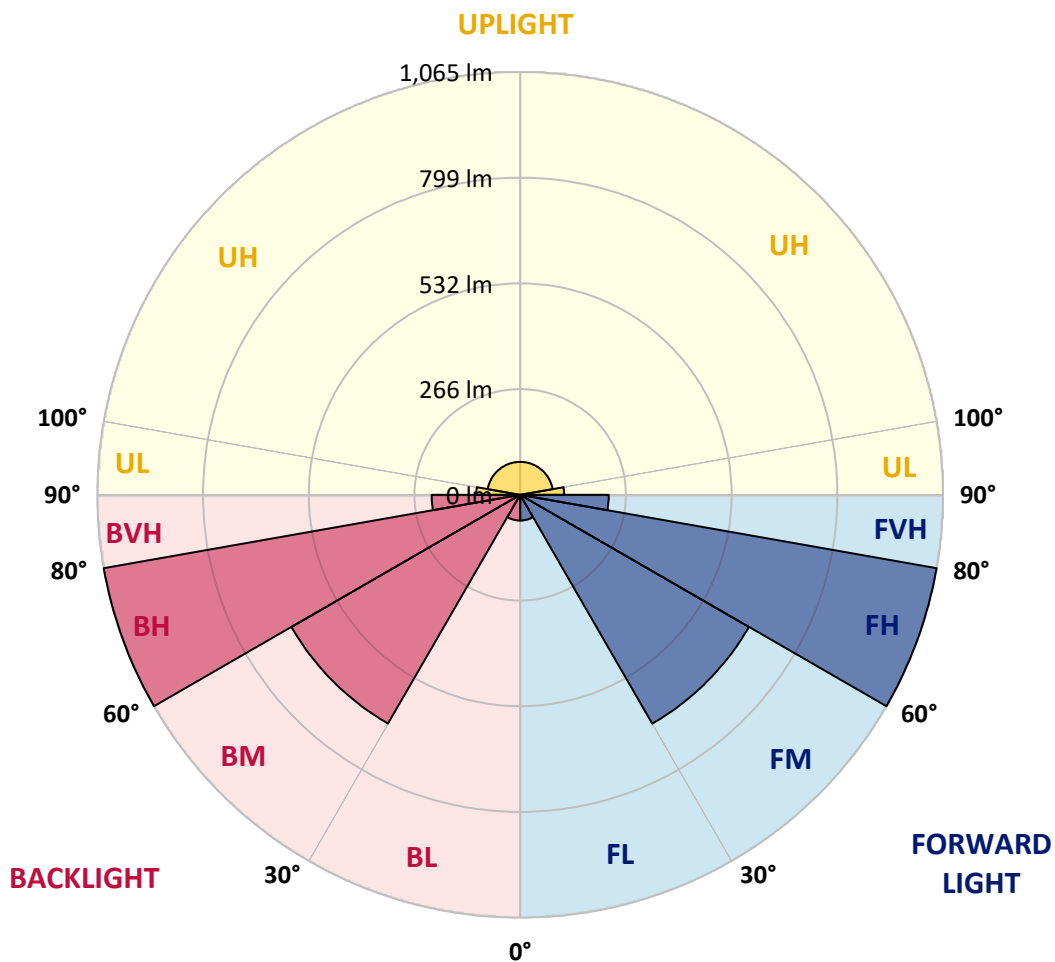
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	64.7	1.5			
FM	(30°-60°)	665.3	15.8			
FH	(60°-80°)	1064.7	25.3			G1/1800
FVH	(80°-90°)	222.9	5.3			G2/225
BL	(0°-30°)	64.7	1.5	B0/110		
BM	(30°-60°)	665.3	15.8	B1/1000		
BH	(60°-80°)	1064.7	25.3	B3/2500		G1/1800
BVH	(80°-90°)	222.9	5.3			G2/225
UL	(90°-100°)	110.7	2.6		U3/500	
UH	(100°-180°)	82.9	2.0		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°	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
2.5°	75.6	75.6	76.0	76.0	76.5	76.9	76.5	76.0	75.6	75.1	75.1
5°	77.8	77.8	77.8	77.8	78.3	78.3	77.8	76.9	76.5	76.0	76.0
7.5°	81.5	81.5	81.5	81.5	81.5	81.0	80.1	79.2	78.8	78.3	78.3
10°	87.5	87.5	86.5	86.5	86.1	85.6	84.7	83.8	82.9	83.3	83.3
12.5°	97.5	98.0	96.6	94.3	92.5	91.6	91.1	91.1	92.5	92.5	93.0
15°	112.2	112.2	109.9	106.7	103.0	100.3	101.2	103.5	105.8	107.1	107.1
17.5°	128.2	128.2	125.9	121.8	116.8	115.4	114.9	117.2	122.3	124.1	124.5
20°	148.4	148.4	144.2	138.3	133.7	131.9	131.9	135.5	141.0	145.2	144.7
22.5°	175.8	175.4	169.4	159.3	153.4	150.6	150.2	155.2	164.8	171.3	173.1
25°	208.8	208.3	200.6	187.3	178.1	170.8	172.6	181.3	196.0	206.1	206.1
27.5°	246.3	244.5	234.4	219.8	206.1	196.4	199.2	211.5	229.9	243.6	244.1
30°	283.0	283.0	272.0	254.6	236.3	224.4	227.6	245.0	267.0	288.5	288.9
32.5°	321.9	321.4	307.7	290.3	267.9	254.6	259.6	281.1	312.3	337.0	341.6
35°	371.8	372.3	353.0	329.2	300.8	286.2	293.1	321.0	358.1	387.8	390.6
37.5°	425.4	428.1	407.1	376.4	338.4	320.5	330.6	363.1	406.2	437.3	437.3
40°	483.1	484.5	465.2	426.3	380.5	357.2	370.4	405.2	438.2	464.8	466.1
42.5°	532.1	533.4	518.3	480.3	429.0	401.1	408.9	435.5	466.6	496.4	499.1
45°	570.5	575.1	566.0	533.4	481.2	447.4	446.4	473.5	511.0	542.1	545.8
47.5°	640.1	642.4	626.4	587.9	534.8	497.7	494.1	521.1	570.1	603.5	605.8
50°	701.5	708.4	702.4	661.2	598.0	553.1	553.6	589.3	642.4	676.3	679.5
52.5°	770.6	773.8	772.0	736.7	675.4	622.3	628.2	668.5	725.8	746.8	750.5
55°	833.8	838.9	845.3	819.2	758.3	711.6	717.1	760.1	798.6	818.7	820.5
57.5°	934.1	939.1	938.7	900.2	848.0	802.7	811.8	845.7	896.1	930.4	936.4
60°	1043.1	1050.4	1061.9	1011.9	933.6	902.0	913.5	962.5	1019.7	1024.8	1031.2
62.5°	1115.9	1119.5	1141.1	1124.6	1033.5	995.5	1025.7	1067.3	1097.1	1101.7	1099.9
65°	1211.1	1223.0	1238.1	1200.1	1126.9	1074.7	1109.5	1140.6	1194.2	1198.8	1197.8
67.5°	1241.3	1252.8	1286.2	1270.7	1179.1	1137.4	1155.3	1189.6	1230.8	1227.2	1225.3
70°	1243.6	1254.6	1283.0	1274.8	1191.0	1133.3	1151.6	1164.9	1202.9	1203.3	1198.3
72.5°	1119.1	1138.3	1186.9	1201.5	1128.2	1069.2	1070.6	1070.1	1072.8	1042.6	1030.7
75°	942.8	956.5	1004.2	1039.4	1001.9	951.0	950.1	911.7	903.4	880.5	872.3
77.5°	755.1	772.0	817.8	856.3	843.0	815.5	801.3	757.8	745.9	719.8	723.0
80°	587.0	600.3	645.6	695.5	699.2	680.0	664.4	628.7	605.3	583.4	573.7
82.5°	451.9	463.4	502.3	556.3	578.8	576.5	554.5	514.2	493.2	472.1	459.7
85°	312.3	322.4	360.8	426.3	466.6	480.8	456.1	405.2	367.7	337.9	331.1
87.5°	201.5	206.1	236.7	293.5	354.0	387.4	361.3	297.6	250.5	226.7	218.9
90°	125.9	132.8	154.8	190.0	249.1	291.7	265.1	200.6	166.7	142.4	137.4
92.5°	87.5	86.5	101.7	126.4	169.9	204.7	181.8	132.8	105.3	89.3	86.1
95°	57.7	60.0	68.2	83.8	114.9	136.5	120.0	88.4	69.1	57.7	56.3
97.5°	43.0	43.5	49.9	59.5	78.3	89.7	79.7	61.4	49.0	41.7	41.2
100°	33.9	34.3	38.9	44.4	54.9	62.3	55.9	46.2	38.0	32.5	32.5
102.5°	26.6	27.0	30.2	34.8	41.7	46.2	42.6	35.7	29.8	25.6	25.2
105°	21.1	21.1	23.8	27.5	32.5	35.7	33.4	27.9	22.9	20.1	20.1
107.5°	16.5	16.9	18.8	21.5	26.1	29.3	26.6	21.5	17.9	15.6	15.6
110°	13.3	13.3	14.7	17.4	21.1	23.8	21.5	17.4	14.2	12.8	12.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	11.0	11.0	11.9	14.2	17.4	19.7	17.4	14.2	11.4	10.5	10.5
115°	9.2	9.2	10.1	11.4	14.7	16.0	14.7	11.4	9.6	8.7	8.7
117.5°	8.2	8.2	8.7	10.1	12.4	13.3	12.4	9.6	8.2	7.8	7.8
120°	7.3	7.3	7.8	8.7	10.5	11.4	10.5	8.7	7.3	6.9	6.9
122.5°	6.9	6.9	6.9	7.8	9.6	10.1	9.2	7.8	6.4	6.4	6.4
125°	6.4	6.4	6.4	6.9	8.2	8.7	8.2	6.9	6.0	6.0	6.0
127.5°	6.0	6.0	6.0	6.4	7.3	7.8	7.3	6.4	5.5	5.5	5.5
130°	6.0	6.0	5.5	6.0	6.4	6.9	6.4	6.0	5.5	5.0	5.5
132.5°	5.5	5.5	5.5	5.5	6.0	6.0	6.0	5.5	5.0	5.0	5.0
135°	5.0	5.0	4.6	4.6	5.0	5.5	5.0	4.6	4.6	4.6	4.6
137.5°	4.6	4.1	4.1	4.1	4.6	4.6	4.6	4.1	4.1	4.1	4.1
140°	3.7	3.7	3.7	3.7	3.7	4.1	3.7	3.2	3.2	3.7	3.7
142.5°	3.2	3.2	3.2	2.7	3.2	3.2	3.2	2.7	2.7	2.7	2.7
145°	2.7	2.7	2.7	2.3	2.7	2.7	2.7	2.3	2.3	2.3	2.3
147.5°	1.8	2.3	1.8	1.8	2.3	2.3	1.8	1.8	1.8	1.8	1.8
150°	1.4	1.4	1.4	1.4	1.8	1.8	1.4	1.4	1.4	1.4	1.4
152.5°	0.9	0.9	1.4	1.4	1.4	1.4	1.4	1.4	0.9	0.9	0.9
155°	0.9	0.9	0.9	0.9	1.4	1.4	0.9	0.9	0.9	0.5	0.5
157.5°	0.5	0.5	0.5	0.5	0.9	1.4	0.9	0.5	0.5	0.5	0.5
160°	0.0	0.0	0.0	0.5	0.9	1.4	0.9	0.5	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)