

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: P415644

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

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415644
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-PA1-50-827-U-5WQ-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 670mA 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: 4762 lumens
Efficiency: N/A
Efficacy: 88.2 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 - G3

Input Watts (W): 54
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

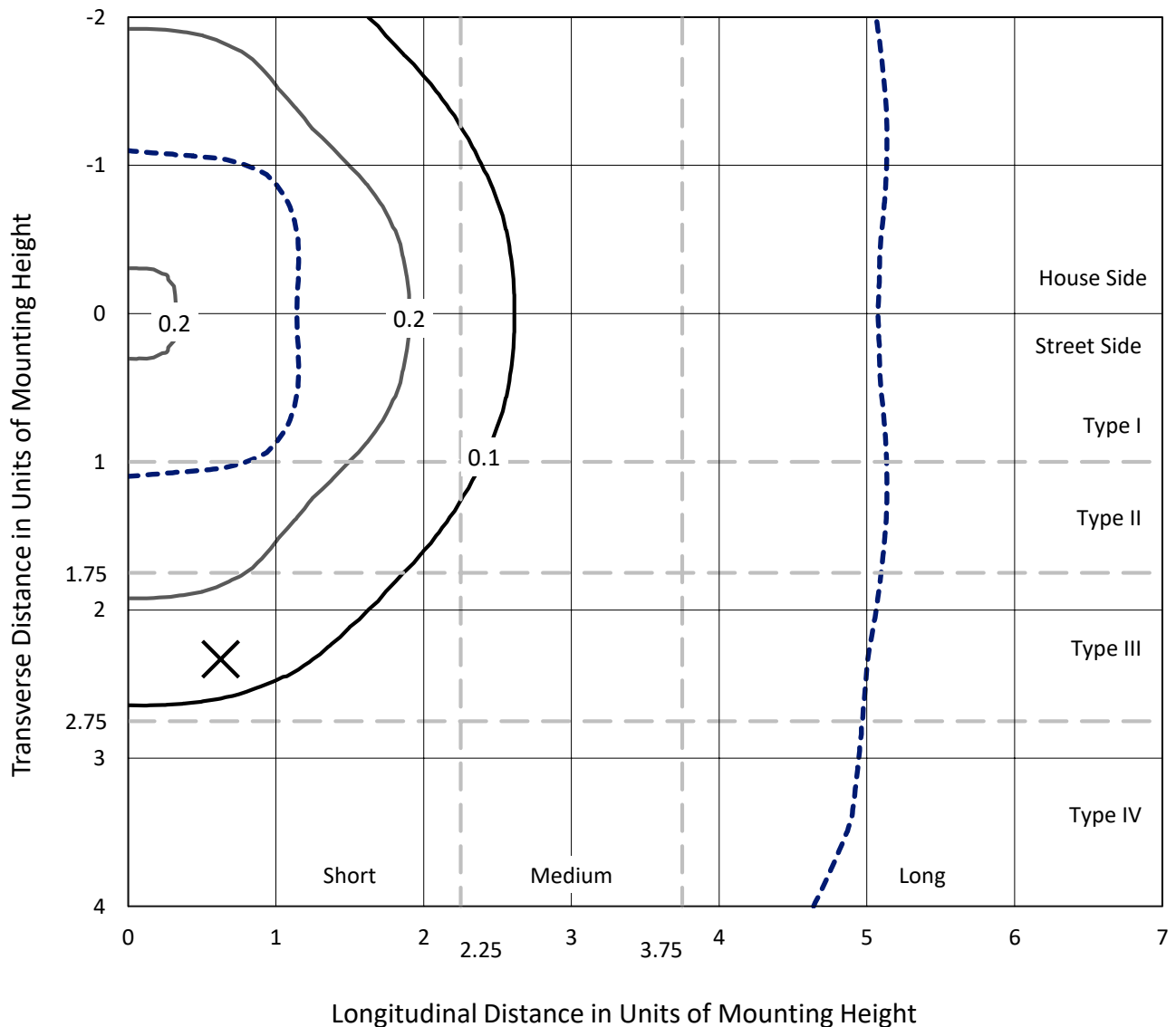


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

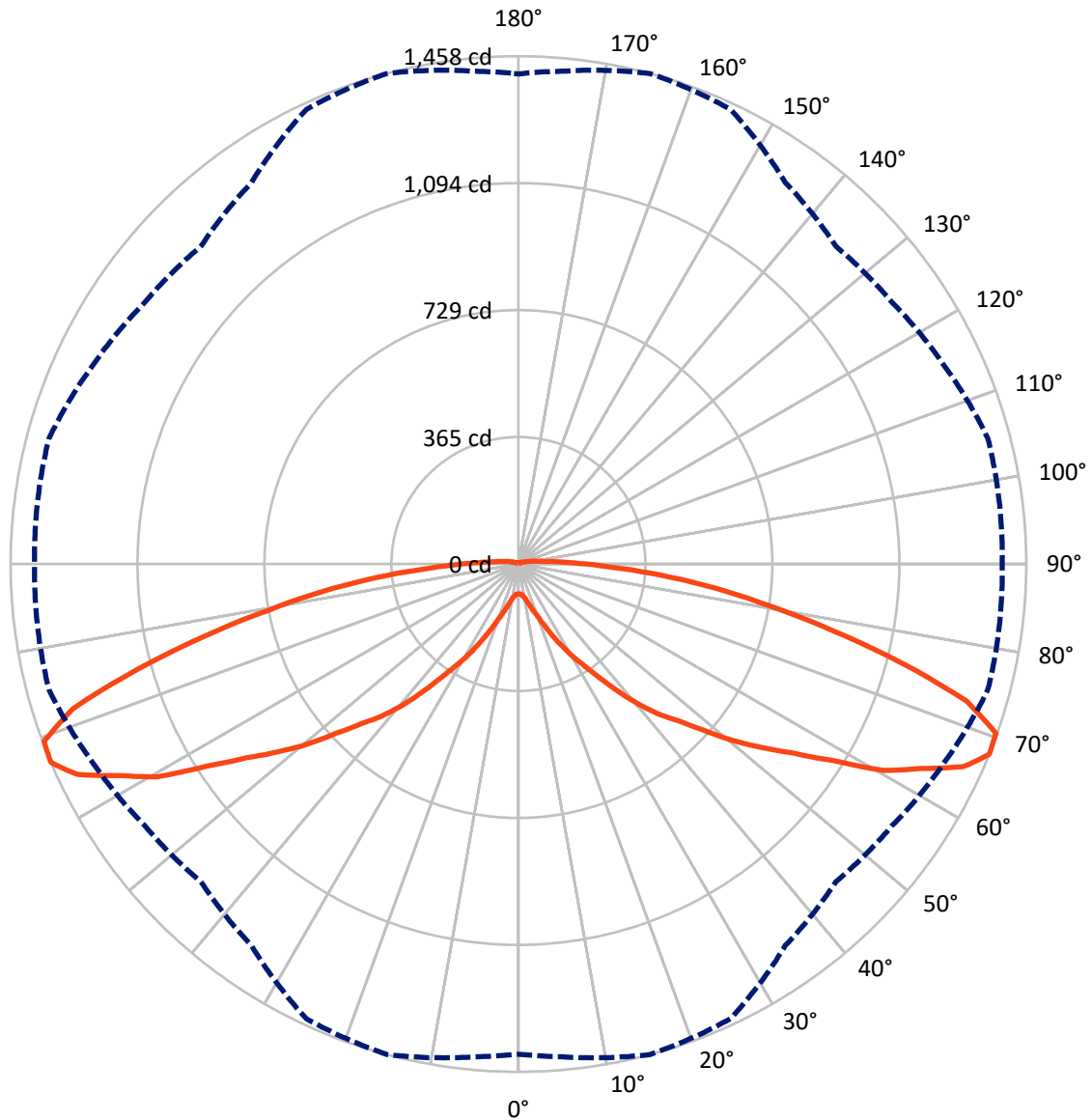


Based on 25 foot mounting height. Maximum calculated value = 0.4 fc
 Type V - Short - Non-Cutoff

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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	2287.0	94.0	2381.0
	% Fixture	48.0	2.0	50.0
Street Side	Lumens	2287.0	94.0	2381.0
	% Fixture	48.0	2.0	50.0
Total	Lumens	4574.1	187.9	4762.0
	% Fixture	96.1	3.9	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.7	0.2
10°-20°	35.6	0.7
20°-30°	102.5	2.2
30°-40°	241.4	5.1
40°-50°	455.1	9.6
50°-60°	811.7	17.0
60°-70°	1283.2	26.9
70°-80°	1130.6	23.7
80°-90°	505.3	10.6
90°-100°	125.5	2.6
100°-110°	34.6	0.7
110°-120°	13.9	0.3
120°-130°	7.3	0.2
130°-140°	4.3	0.1
140°-150°	1.8	0.0
150°-160°	0.5	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4574.1	96.1
0°-180°	4762.0	100.0



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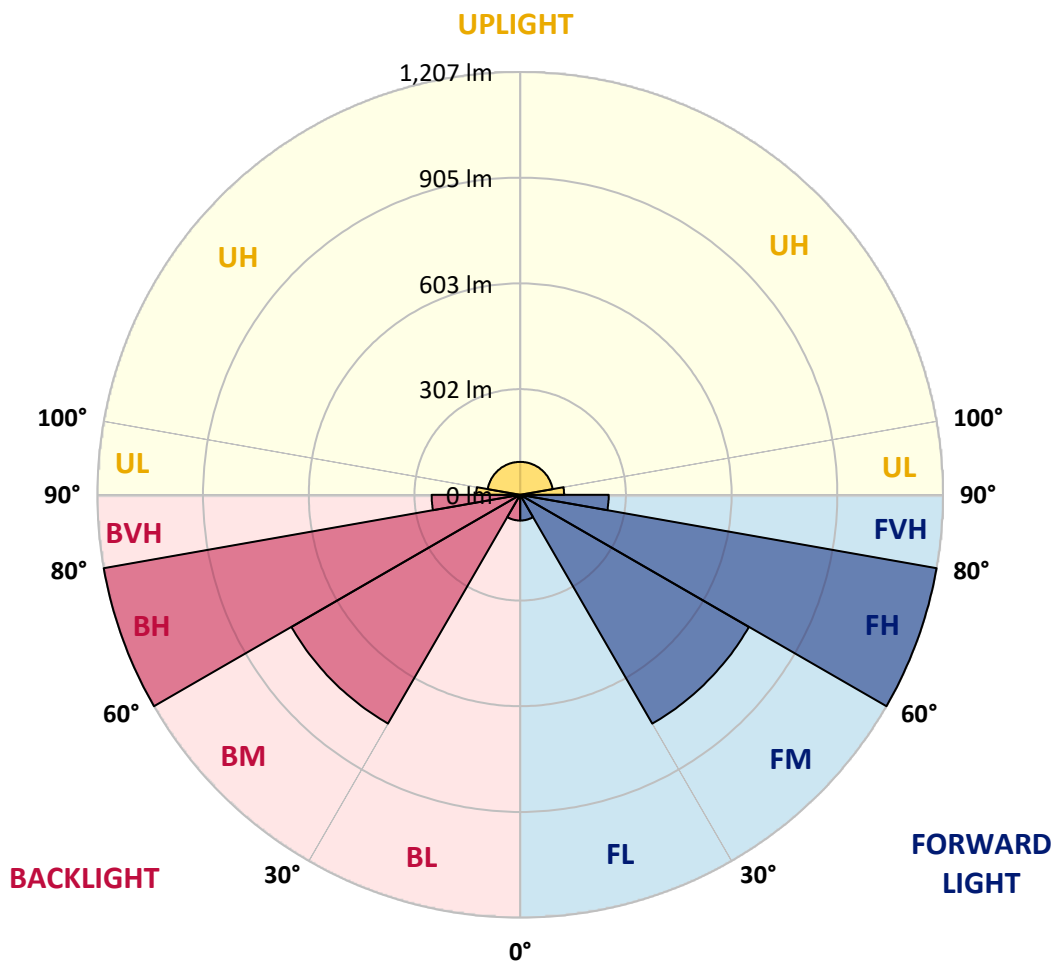
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	73.4	1.5			
FM	(30°-60°)	754.1	15.8			
FH	(60°-80°)	1206.9	25.3			G1/1800
FVH	(80°-90°)	252.7	5.3			G3/500
BL	(0°-30°)	73.4	1.5	B0/110		
BM	(30°-60°)	754.1	15.8	B1/1000		
BH	(60°-80°)	1206.9	25.3	B3/2500		G1/1800
BVH	(80°-90°)	252.7	5.3			G3/500
UL	(90°-100°)	125.5	2.6		U3/500	
UH	(100°-180°)	94.0	2.0		U3/500	

BUG Rating: B3-U3-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
2.5°	85.6	85.6	86.2	86.2	86.7	87.2	86.7	86.2	85.6	85.1	85.1
5°	88.2	88.2	88.2	88.2	88.8	88.8	88.2	87.2	86.7	86.2	86.2
7.5°	92.4	92.4	92.4	92.4	92.4	91.9	90.8	89.8	89.3	88.8	88.8
10°	99.1	99.1	98.1	98.1	97.6	97.1	96.0	95.0	93.9	94.5	94.5
12.5°	110.6	111.1	109.5	106.9	104.8	103.8	103.3	103.3	104.8	104.8	105.4
15°	127.2	127.2	124.6	120.9	116.8	113.7	114.7	117.3	119.9	121.5	121.5
17.5°	145.3	145.3	142.7	138.1	132.4	130.8	130.3	132.9	138.6	140.7	141.2
20°	168.2	168.2	163.5	156.8	151.6	149.5	149.5	153.6	159.9	164.5	164.0
22.5°	199.3	198.8	192.0	180.6	173.9	170.8	170.2	176.0	186.9	194.1	196.2
25°	236.7	236.2	227.3	212.3	201.9	193.6	195.7	205.5	222.1	233.6	233.6
27.5°	279.2	277.2	265.7	249.1	233.6	222.7	225.8	239.8	260.6	276.1	276.6
30°	320.8	320.8	308.3	288.6	267.8	254.3	258.0	277.7	302.6	327.0	327.5
32.5°	364.9	364.4	348.8	329.1	303.6	288.6	294.3	318.7	354.0	382.0	387.2
35°	421.5	422.0	400.2	373.2	341.0	324.4	332.2	363.8	405.9	439.6	442.7
37.5°	482.2	485.3	461.4	426.7	383.6	363.3	374.7	411.6	460.4	495.7	495.7
40°	547.6	549.1	527.3	483.2	431.3	404.9	419.9	459.4	496.7	526.8	528.4
42.5°	603.1	604.7	587.6	544.5	486.3	454.7	463.5	493.6	528.9	562.6	565.8
45°	646.7	651.9	641.5	604.7	545.5	507.1	506.1	536.7	579.2	614.5	618.7
47.5°	725.6	728.2	710.0	666.4	606.2	564.2	560.0	590.7	646.2	684.1	686.7
50°	795.2	803.0	796.2	749.5	677.9	627.0	627.5	668.0	728.2	766.6	770.3
52.5°	873.5	877.2	875.1	835.1	765.6	705.4	712.1	757.8	822.7	846.6	850.7
55°	945.2	950.9	958.1	928.6	859.5	806.6	812.8	861.6	905.2	928.0	930.1
57.5°	1058.8	1064.6	1064.0	1020.4	961.3	909.9	920.3	958.7	1015.8	1054.7	1061.4
60°	1182.4	1190.7	1203.7	1147.1	1058.3	1022.5	1035.5	1091.0	1155.9	1161.6	1168.9
62.5°	1264.9	1269.1	1293.4	1274.8	1171.5	1128.4	1162.6	1209.9	1243.6	1248.8	1246.7
65°	1372.9	1386.4	1403.5	1360.4	1277.4	1218.2	1257.6	1292.9	1353.7	1358.8	1357.8
67.5°	1407.1	1420.1	1458.0	1440.3	1336.5	1289.3	1309.5	1348.5	1395.2	1391.0	1389.0
70°	1409.7	1422.2	1454.3	1445.0	1350.0	1284.6	1305.4	1320.4	1363.5	1364.0	1358.3
72.5°	1268.5	1290.3	1345.4	1362.0	1278.9	1212.0	1213.5	1213.0	1216.1	1181.9	1168.4
75°	1068.7	1084.3	1138.3	1178.2	1135.7	1078.0	1077.0	1033.4	1024.1	998.1	988.8
77.5°	855.9	875.1	927.0	970.6	955.6	924.4	908.3	859.0	845.5	815.9	819.6
80°	665.4	680.5	731.8	788.4	792.6	770.8	753.1	712.6	686.2	661.3	650.4
82.5°	512.3	525.3	569.4	630.6	656.1	653.5	628.6	582.9	559.0	535.1	521.1
85°	354.0	365.4	409.0	483.2	528.9	545.0	517.0	459.4	416.8	383.1	375.3
87.5°	228.4	233.6	268.3	332.7	401.2	439.1	409.5	337.4	283.9	256.9	248.1
90°	142.7	150.5	175.4	215.4	282.4	330.6	300.5	227.3	188.9	161.4	155.7
92.5°	99.1	98.1	115.2	143.3	192.6	232.0	206.1	150.5	119.4	101.2	97.6
95°	65.4	68.0	77.3	95.0	130.3	154.7	136.0	100.2	78.4	65.4	63.8
97.5°	48.8	49.3	56.6	67.5	88.8	101.7	90.3	69.6	55.5	47.2	46.7
100°	38.4	38.9	44.1	50.3	62.3	70.6	63.3	52.4	43.1	36.9	36.9
102.5°	30.1	30.6	34.3	39.4	47.2	52.4	48.3	40.5	33.7	29.1	28.5
105°	23.9	23.9	27.0	31.1	36.9	40.5	37.9	31.7	26.0	22.8	22.8
107.5°	18.7	19.2	21.3	24.4	29.6	33.2	30.1	24.4	20.2	17.6	17.6
110°	15.1	15.1	16.6	19.7	23.9	27.0	24.4	19.7	16.1	14.5	14.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	12.5	12.5	13.5	16.1	19.7	22.3	19.7	16.1	13.0	11.9	11.9
115°	10.4	10.4	11.4	13.0	16.6	18.2	16.6	13.0	10.9	9.9	9.9
117.5°	9.3	9.3	9.9	11.4	14.0	15.1	14.0	10.9	9.3	8.8	8.8
120°	8.3	8.3	8.8	9.9	11.9	13.0	11.9	9.9	8.3	7.8	7.8
122.5°	7.8	7.8	7.8	8.8	10.9	11.4	10.4	8.8	7.3	7.3	7.3
125°	7.3	7.3	7.3	7.8	9.3	9.9	9.3	7.8	6.7	6.7	6.7
127.5°	6.7	6.7	6.7	7.3	8.3	8.8	8.3	7.3	6.2	6.2	6.2
130°	6.7	6.7	6.2	6.7	7.3	7.8	7.3	6.7	6.2	5.7	6.2
132.5°	6.2	6.2	6.2	6.2	6.7	6.7	6.7	6.2	5.7	5.7	5.7
135°	5.7	5.7	5.2	5.2	5.7	6.2	5.7	5.2	5.2	5.2	5.2
137.5°	5.2	4.7	4.7	4.7	5.2	5.2	5.2	4.7	4.7	4.7	4.7
140°	4.2	4.2	4.2	4.2	4.2	4.7	4.2	3.6	3.6	4.2	4.2
142.5°	3.6	3.6	3.6	3.1	3.6	3.6	3.6	3.1	3.1	3.1	3.1
145°	3.1	3.1	3.1	2.6	3.1	3.1	3.1	2.6	2.6	2.6	2.6
147.5°	2.1	2.6	2.1	2.1	2.6	2.6	2.1	2.1	2.1	2.1	2.1
150°	1.6	1.6	1.6	1.6	2.1	2.1	1.6	1.6	1.6	1.6	1.6
152.5°	1.0	1.0	1.6	1.6	1.6	1.6	1.6	1.6	1.0	1.0	1.0
155°	1.0	1.0	1.0	1.0	1.6	1.6	1.0	1.0	1.0	0.5	0.5
157.5°	0.5	0.5	0.5	0.5	1.0	1.6	1.0	0.5	0.5	0.5	0.5
160°	0.0	0.0	0.0	0.5	1.0	1.6	1.0	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)