

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: P415802

Luminaire Tested: **LXF.LXT-PA1-60-727-U-5WQ-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415802
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-PA1-60-727-U-5WQ-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 800mA 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: 6119 lumens
Efficiency: N/A
Efficacy: 95.6 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: B3 - U3 - G3

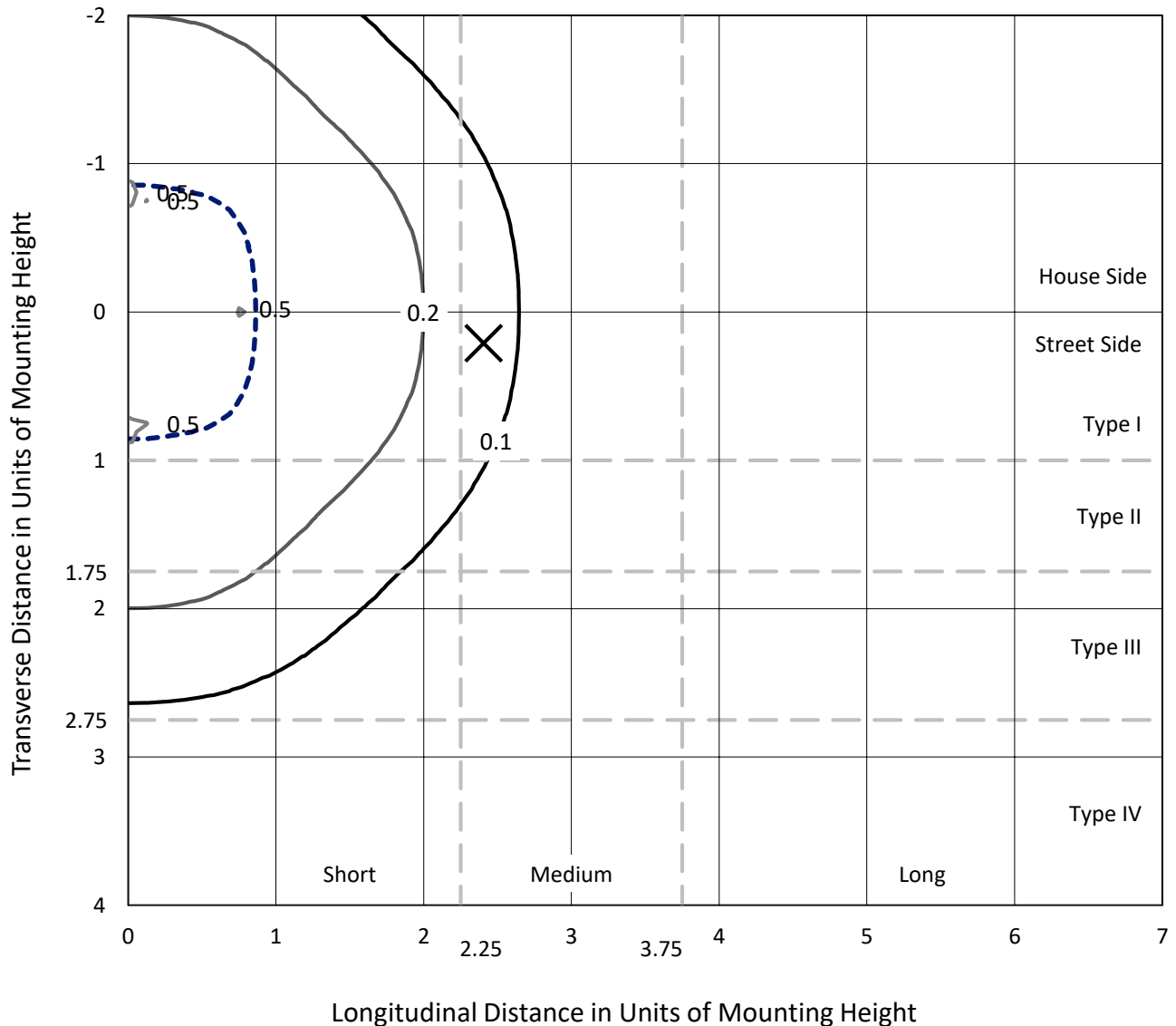
Input Watts (W): 64
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

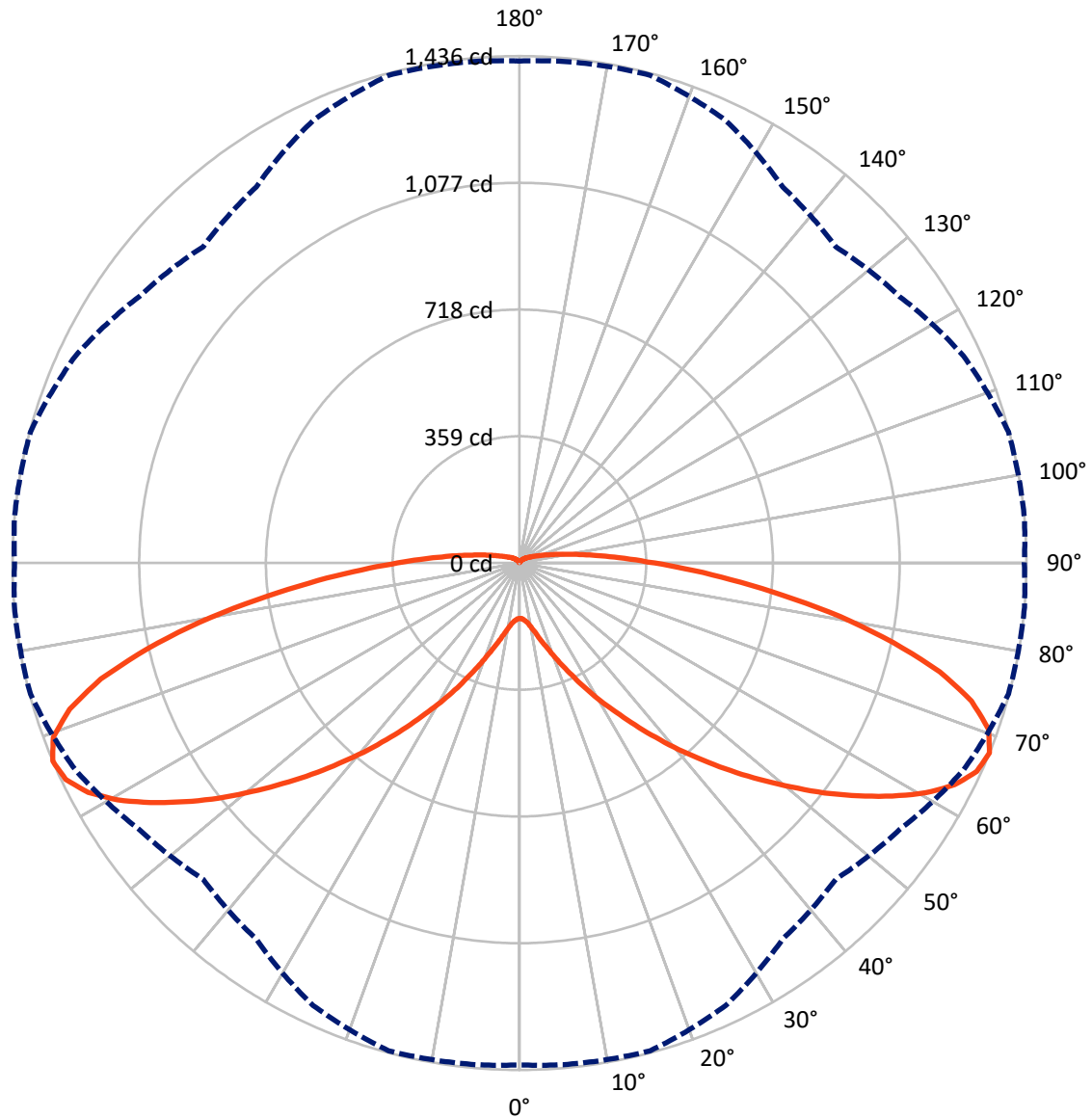
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.5 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	2774.7	284.8	3059.5
	% Fixture	45.3	4.7	50.0
Street Side	Lumens	2774.7	284.8	3059.5
	% Fixture	45.3	4.7	50.0
Total	Lumens	5549.4	569.6	6119.0
	% Fixture	90.7	9.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.3	0.3
10°-20°	66.5	1.1
20°-30°	168.2	2.7
30°-40°	346.2	5.7
40°-50°	622.3	10.2
50°-60°	994.8	16.3
60°-70°	1331.0	21.8
70°-80°	1261.2	20.6
80°-90°	742.9	12.1
90°-100°	320.9	5.2
100°-110°	136.7	2.2
110°-120°	62.9	1.0
120°-130°	30.1	0.5
130°-140°	13.5	0.2
140°-150°	4.6	0.1
150°-160°	0.9	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5549.4	90.7
0°-180°	6119.0	100.0

Coefficient of Utilization



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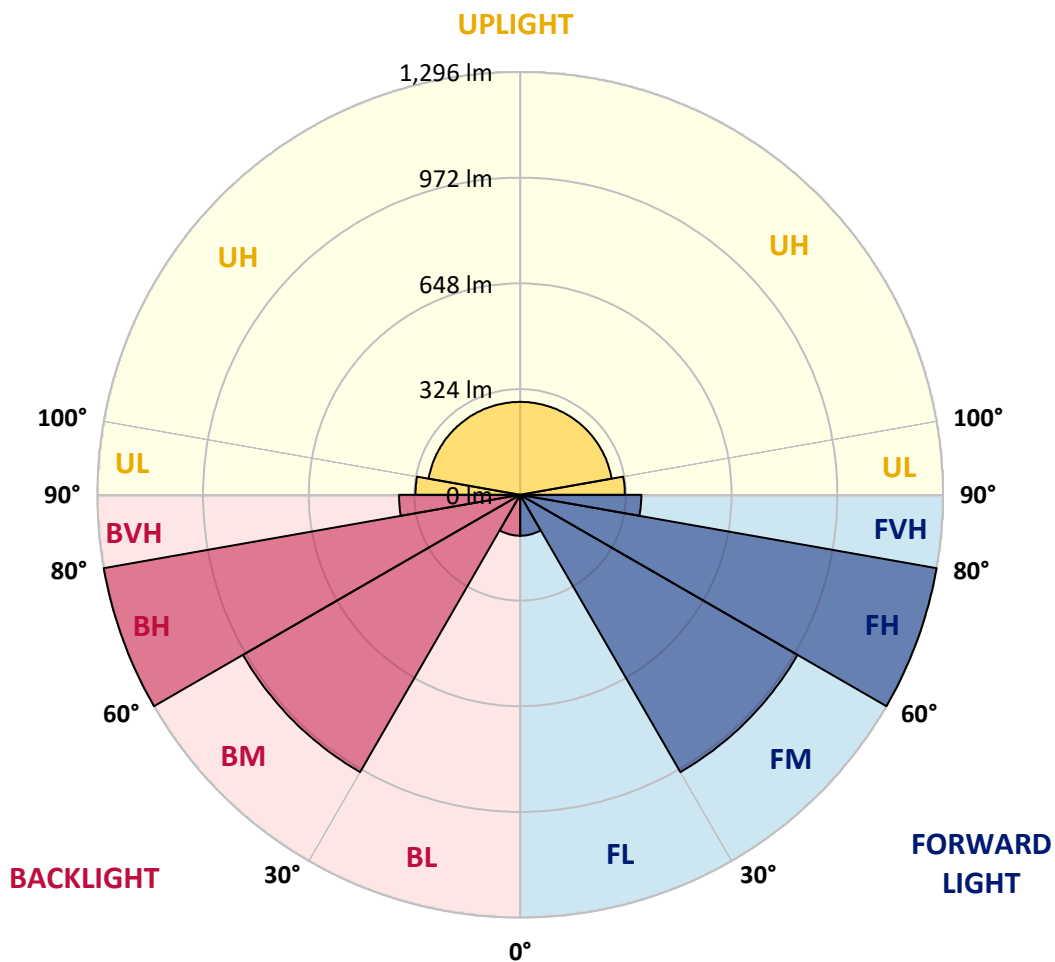
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	125.5	2.1			
FM (30°-60°)	981.6	16.0			
FH (60°-80°)	1296.1	21.2			G1/1800
FVH (80°-90°)	371.4	6.1			G3/500
BL (0°-30°)	125.5	2.1	B1/500		
BM (30°-60°)	981.6	16.0	B1/1000		
BH (60°-80°)	1296.1	21.2	B3/2500		G1/1800
BVH (80°-90°)	371.4	6.1			G3/500
UL (90°-100°)	320.9	5.2		U3/500	
UH (100°-180°)	284.8	4.7		U3/500	

BUG Rating: B3-U3-G3

Type V Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	156.9	156.9	156.9	156.9	156.9	156.9	156.9	156.9	156.9	156.9	156.9
2.5°	158.3	157.6	158.3	158.3	159.0	159.0	159.0	159.0	158.3	158.3	158.3
5°	163.7	163.7	163.7	163.7	164.4	164.4	164.4	163.7	163.7	163.7	163.7
7.5°	174.0	173.3	174.0	173.3	173.3	172.6	173.3	172.6	171.9	171.9	171.9
10°	186.9	186.9	186.9	186.2	186.2	186.2	184.9	184.9	184.9	185.6	184.9
12.5°	208.1	206.7	206.7	204.0	202.6	201.9	201.3	201.3	203.3	203.3	201.9
15°	232.6	232.0	232.0	228.5	225.8	221.7	222.4	225.1	225.1	226.5	225.8
17.5°	262.0	261.3	259.2	255.8	252.4	249.7	248.3	249.7	251.1	251.7	252.4
20°	294.0	293.4	290.6	287.2	283.8	282.4	277.7	279.7	281.1	282.4	281.8
22.5°	328.2	328.2	325.4	320.6	317.2	314.5	312.5	310.4	315.2	317.9	318.6
25°	369.8	368.4	363.6	358.2	354.1	352.0	349.3	349.3	352.7	358.2	359.5
27.5°	413.4	412.1	405.2	399.1	393.6	388.9	387.5	389.6	395.7	403.9	403.9
30°	461.9	459.1	453.0	443.5	434.6	429.8	431.2	434.6	443.5	453.0	452.3
32.5°	515.1	510.3	503.5	492.6	479.6	472.8	474.8	484.4	493.3	503.5	504.9
35°	571.7	571.0	560.1	545.8	529.4	518.5	522.6	535.6	549.2	563.5	565.6
37.5°	629.7	631.7	618.8	603.1	579.2	566.3	575.1	593.5	610.6	626.3	627.7
40°	700.7	698.6	685.6	662.4	633.8	619.5	627.0	652.9	674.7	694.5	695.9
42.5°	773.7	768.2	757.3	729.3	691.1	678.1	689.1	718.4	747.7	764.1	764.8
45°	842.6	844.6	832.3	798.9	756.6	736.8	752.5	787.3	821.4	839.1	841.2
47.5°	929.2	923.7	912.8	869.8	822.1	802.3	820.0	862.3	899.9	916.2	915.6
50°	1013.8	1010.4	994.7	949.7	895.8	871.9	889.6	941.5	982.4	996.7	1000.2
52.5°	1094.3	1092.9	1079.3	1029.5	971.5	942.2	966.7	1020.6	1067.7	1082.0	1083.4
55°	1176.9	1172.8	1162.5	1110.7	1044.5	1011.8	1042.5	1102.5	1150.9	1164.6	1165.3
57.5°	1250.5	1253.3	1245.1	1190.5	1114.1	1082.7	1116.8	1183.7	1232.8	1245.8	1247.8
60°	1324.2	1324.9	1318.8	1265.5	1184.4	1148.9	1188.4	1258.0	1310.6	1322.2	1322.8
62.5°	1382.2	1383.6	1378.8	1320.8	1239.6	1205.5	1249.2	1321.5	1375.4	1383.6	1382.9
65°	1417.7	1421.8	1419.0	1366.5	1279.9	1248.5	1294.2	1369.9	1419.0	1423.8	1421.8
67.5°	1421.8	1426.5	1430.6	1382.9	1300.3	1266.9	1315.3	1387.7	1434.1	1436.1	1430.0
70°	1391.8	1396.5	1406.1	1366.5	1290.1	1262.1	1308.5	1373.3	1412.2	1409.5	1402.7
72.5°	1314.7	1324.9	1339.2	1312.6	1248.5	1225.3	1271.0	1322.8	1349.5	1339.2	1329.7
75°	1204.1	1214.4	1241.7	1226.7	1177.5	1164.6	1198.7	1237.6	1245.1	1230.1	1217.1
77.5°	1069.7	1082.7	1107.9	1119.5	1086.8	1073.8	1102.5	1123.0	1114.8	1082.0	1072.5
80°	912.8	933.3	959.9	978.3	970.1	966.0	980.4	978.3	948.3	922.4	906.0
82.5°	769.6	773.7	814.6	837.8	840.5	841.9	846.0	821.4	786.6	751.8	736.8
85°	629.0	630.4	664.5	697.9	710.9	715.0	707.5	674.7	638.6	599.7	589.4
87.5°	504.2	506.2	536.2	570.3	592.9	595.6	581.3	549.2	504.2	469.4	460.5
90°	398.4	405.2	435.3	463.2	487.1	491.2	470.7	436.6	395.0	361.6	356.1
92.5°	318.6	322.0	349.3	375.2	397.7	398.4	384.1	349.3	312.5	282.4	275.6
95°	255.8	258.6	280.4	304.3	322.7	326.8	310.4	279.7	245.6	219.7	218.3
97.5°	204.0	207.4	224.5	249.7	263.3	266.1	255.2	226.5	195.1	171.9	171.9
100°	163.7	165.8	180.8	201.9	216.3	219.0	208.1	182.8	155.5	135.1	133.7
102.5°	133.0	134.4	146.7	165.8	178.7	181.5	171.9	151.5	124.8	108.5	107.8
105°	109.2	109.8	119.4	137.1	149.4	151.5	142.6	124.8	101.0	87.3	86.6
107.5°	89.4	90.1	97.6	113.9	125.5	127.6	120.1	102.3	81.9	72.3	71.0
110°	75.0	75.7	81.2	94.1	105.7	108.5	101.0	85.3	67.5	59.4	59.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	63.4	64.1	68.2	79.1	89.4	92.8	85.3	71.0	56.6	50.5	49.8
115°	53.9	54.6	57.3	66.9	75.0	77.8	72.3	59.4	47.8	43.0	43.0
117.5°	47.1	47.8	49.1	56.6	64.1	66.2	60.7	49.8	40.3	37.5	37.5
120°	41.6	41.6	42.3	47.8	53.9	55.9	51.2	42.3	34.8	32.7	32.7
122.5°	36.2	36.2	36.8	40.9	45.7	47.1	43.0	35.5	30.0	29.3	28.7
125°	32.1	32.1	32.1	34.8	38.9	39.6	36.2	30.0	26.6	25.9	25.9
127.5°	28.0	28.0	28.0	29.3	32.1	32.7	30.0	25.2	23.2	22.5	22.5
130°	24.6	24.6	24.6	25.2	26.6	27.3	24.6	21.8	20.5	20.5	20.5
132.5°	21.8	21.8	21.1	21.1	21.8	21.8	20.5	18.4	17.7	17.7	17.7
135°	19.1	19.1	18.4	17.7	17.7	17.1	15.7	15.0	15.7	15.7	15.7
137.5°	16.4	16.4	15.7	15.0	14.3	13.6	13.0	12.3	13.0	13.6	13.6
140°	13.6	13.6	13.0	11.6	10.9	10.2	9.6	10.2	10.9	11.6	11.6
142.5°	10.9	10.9	10.9	9.6	8.2	7.5	7.5	8.2	8.9	9.6	9.6
145°	8.9	8.9	8.2	7.5	6.1	5.5	5.5	6.1	7.5	7.5	7.5
147.5°	6.8	6.8	6.1	5.5	4.1	3.4	4.1	4.8	5.5	6.1	6.1
150°	4.8	4.8	4.8	4.1	2.7	2.7	2.7	3.4	4.1	4.1	4.1
152.5°	2.7	2.7	2.7	2.7	2.0	1.4	2.0	2.7	2.7	2.7	2.7
155°	2.0	2.0	2.0	2.0	1.4	1.4	1.4	2.0	2.0	2.0	2.0
157.5°	0.7	0.7	0.7	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
160°	0.0	0.0	0.7	0.7	1.4	1.4	1.4	1.4	0.7	0.7	0.7
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)