

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: P415020

Luminaire Tested: **LXF.LXT-PA1-40-730-U-5WQ-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415020
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-PA1-40-730-U-5WQ-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 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: 4575.1 lumens
Efficiency: N/A
Efficacy: 114.4 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): 40
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

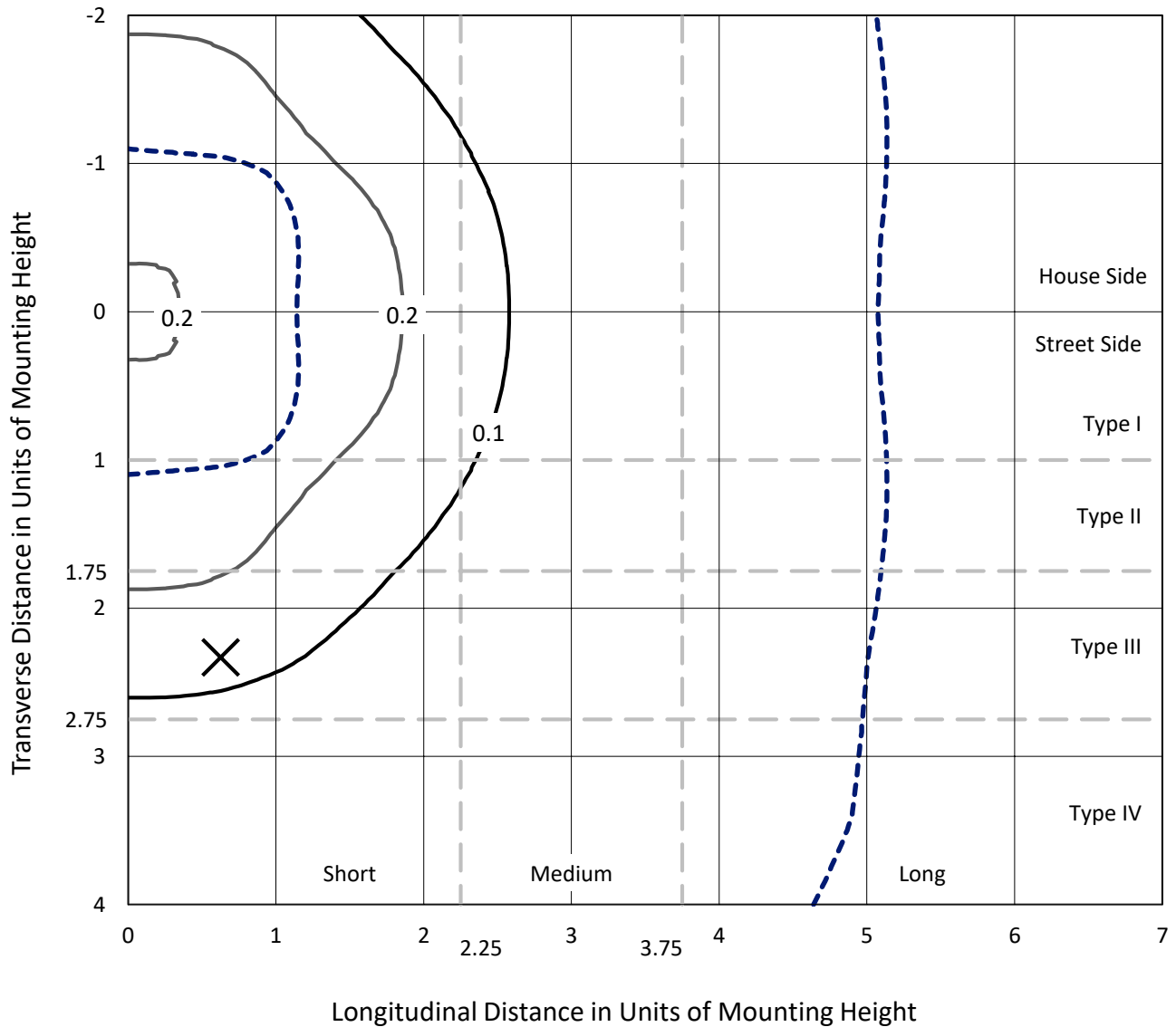


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

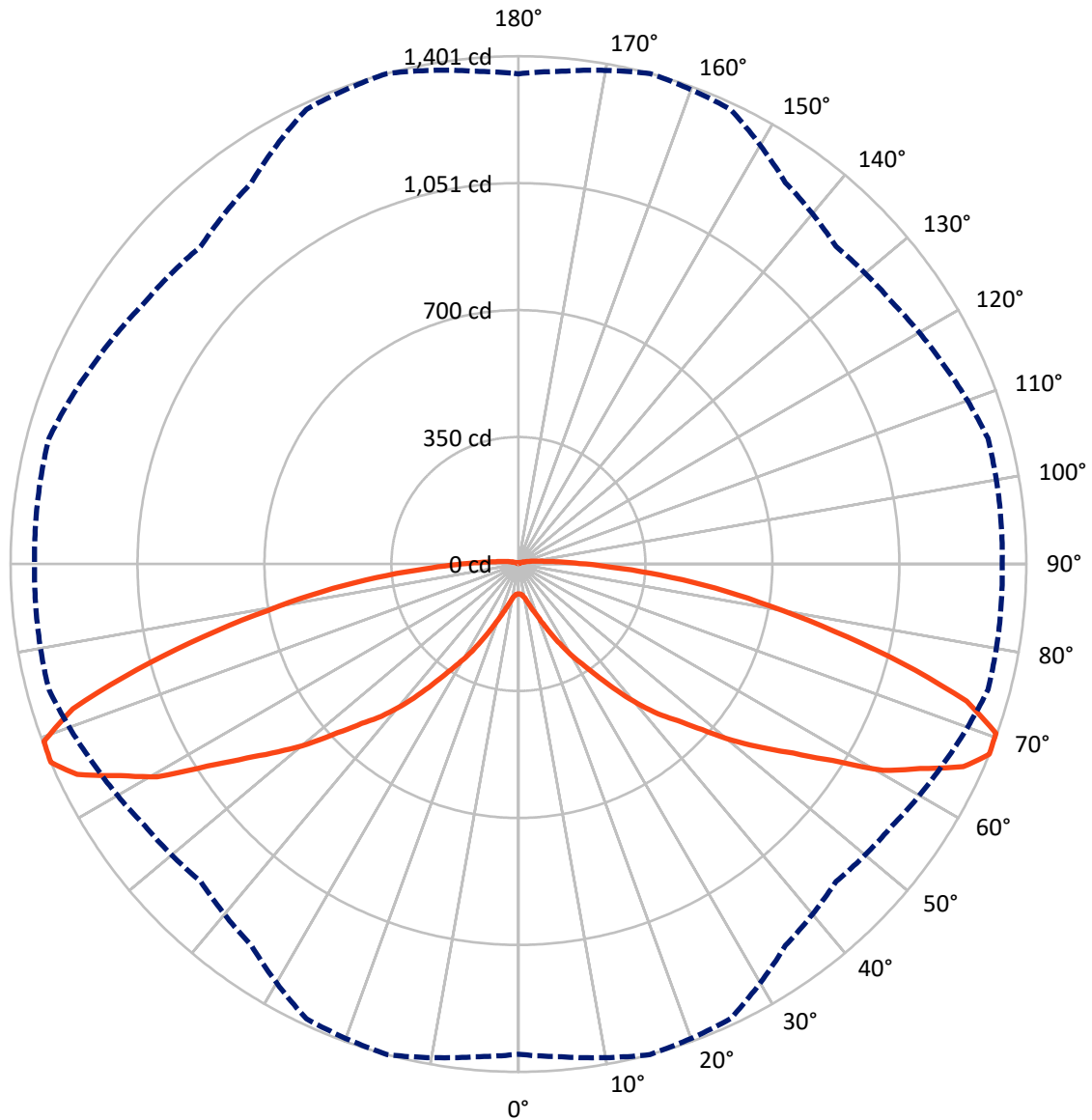


Based on 25 foot mounting height. Maximum calculated value = 0.4 fc
 Type V - Short - Non-Cutoff

REPORT NUMBER: P415020

CATALOG NUMBER: LXF.LXT-PA1-40-730-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	2197.2	90.3	2287.5
	% Fixture	48.0	2.0	50.0
Street Side	Lumens	2197.2	90.3	2287.5
	% Fixture	48.0	2.0	50.0
Total	Lumens	4394.5	180.6	4575.1
	% Fixture	96.1	3.9	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.3	0.2
10°-20°	34.2	0.7
20°-30°	98.5	2.2
30°-40°	231.9	5.1
40°-50°	437.2	9.6
50°-60°	779.8	17.0
60°-70°	1232.8	26.9
70°-80°	1086.2	23.7
80°-90°	485.5	10.6
90°-100°	120.6	2.6
100°-110°	33.2	0.7
110°-120°	13.3	0.3
120°-130°	7.1	0.2
130°-140°	4.1	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°	4394.5	96.1
0°-180°	4575.1	100.0



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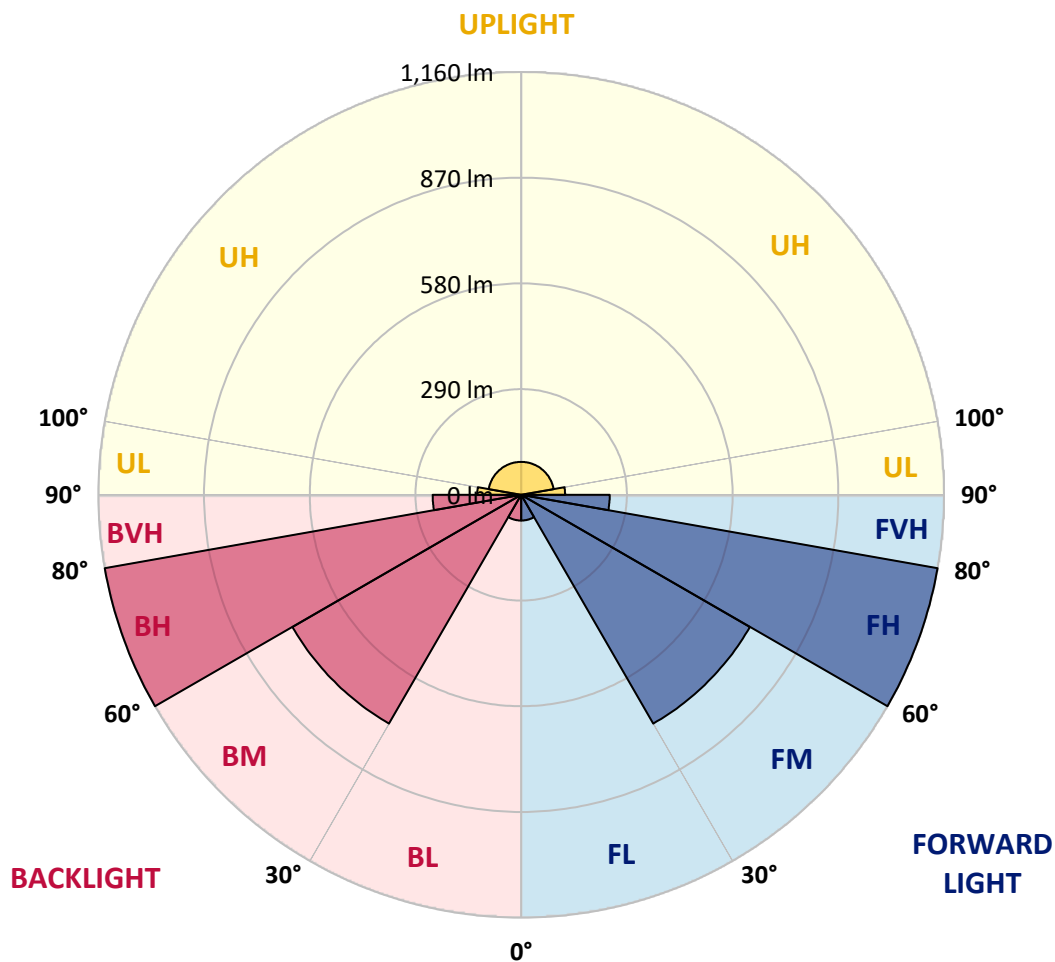
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	70.5	1.5			
FM	(30°-60°)	724.5	15.8			
FH	(60°-80°)	1159.5	25.3			G1/1800
FVH	(80°-90°)	242.7	5.3			G3/500
BL	(0°-30°)	70.5	1.5	B0/110		
BM	(30°-60°)	724.5	15.8	B1/1000		
BH	(60°-80°)	1159.5	25.3	B3/2500		G1/1800
BVH	(80°-90°)	242.7	5.3			G3/500
UL	(90°-100°)	120.6	2.6		U3/500	
UH	(100°-180°)	90.3	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°	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
2.5°	82.3	82.3	82.8	82.8	83.3	83.8	83.3	82.8	82.3	81.8	81.8
5°	84.8	84.8	84.8	84.8	85.3	85.3	84.8	83.8	83.3	82.8	82.8
7.5°	88.8	88.8	88.8	88.8	88.8	88.3	87.3	86.3	85.8	85.3	85.3
10°	95.2	95.2	94.2	94.2	93.7	93.2	92.3	91.3	90.3	90.8	90.8
12.5°	106.2	106.7	105.2	102.7	100.7	99.7	99.2	99.2	100.7	100.7	101.2
15°	122.2	122.2	119.7	116.2	112.2	109.2	110.2	112.7	115.2	116.7	116.7
17.5°	139.6	139.6	137.1	132.6	127.2	125.7	125.2	127.7	133.1	135.1	135.6
20°	161.6	161.6	157.1	150.6	145.6	143.6	143.6	147.6	153.6	158.1	157.6
22.5°	191.5	191.0	184.5	173.5	167.1	164.1	163.6	169.0	179.5	186.5	188.5
25°	227.4	226.9	218.4	204.0	194.0	186.0	188.0	197.5	213.4	224.4	224.4
27.5°	268.3	266.3	255.3	239.4	224.4	213.9	216.9	230.4	250.3	265.3	265.8
30°	308.2	308.2	296.2	277.3	257.3	244.3	247.8	266.8	290.7	314.2	314.7
32.5°	350.6	350.1	335.1	316.1	291.7	277.3	282.7	306.2	340.1	367.0	372.0
35°	404.9	405.4	384.5	358.5	327.6	311.7	319.1	349.6	390.0	422.4	425.4
37.5°	463.3	466.2	443.3	409.9	368.5	349.1	360.0	395.4	442.3	476.2	476.2
40°	526.1	527.6	506.6	464.3	414.4	389.0	403.4	441.3	477.2	506.1	507.6
42.5°	579.4	580.9	564.5	523.1	467.2	436.8	445.3	474.2	508.1	540.5	543.5
45°	621.3	626.3	616.3	580.9	524.1	487.2	486.2	515.6	556.5	590.4	594.4
47.5°	697.1	699.6	682.2	640.3	582.4	542.0	538.1	567.5	620.8	657.2	659.7
50°	763.9	771.4	764.9	720.1	651.2	602.4	602.9	641.8	699.6	736.5	740.0
52.5°	839.2	842.7	840.7	802.3	735.5	677.7	684.2	728.0	790.4	813.3	817.3
55°	908.1	913.5	920.5	892.1	825.8	774.9	780.9	827.8	869.7	891.6	893.6
57.5°	1017.3	1022.7	1022.2	980.4	923.5	874.1	884.1	921.0	975.9	1013.3	1019.8
60°	1135.9	1143.9	1156.4	1102.0	1016.8	982.4	994.8	1048.2	1110.5	1116.0	1123.0
62.5°	1215.2	1219.2	1242.7	1224.7	1125.5	1084.1	1117.0	1162.4	1194.8	1199.8	1197.8
65°	1318.9	1331.9	1348.4	1307.0	1227.2	1170.3	1208.2	1242.2	1300.5	1305.5	1304.5
67.5°	1351.9	1364.3	1400.7	1383.8	1284.0	1238.7	1258.1	1295.5	1340.4	1336.4	1334.4
70°	1354.4	1366.3	1397.2	1388.3	1297.0	1234.2	1254.1	1268.6	1310.0	1310.5	1305.0
72.5°	1218.7	1239.7	1292.5	1308.5	1228.7	1164.4	1165.9	1165.4	1168.4	1135.4	1122.5
75°	1026.7	1041.7	1093.6	1132.0	1091.1	1035.7	1034.7	992.8	983.9	958.9	949.9
77.5°	822.3	840.7	890.6	932.5	918.0	888.1	872.7	825.3	812.3	783.9	787.4
80°	639.3	653.7	703.1	757.5	761.5	740.5	723.6	684.7	659.2	635.3	624.8
82.5°	492.2	504.6	547.0	605.9	630.3	627.8	603.9	560.0	537.1	514.1	500.7
85°	340.1	351.1	392.9	464.3	508.1	523.6	496.7	441.3	400.4	368.0	360.5
87.5°	219.4	224.4	257.8	319.6	385.5	421.9	393.4	324.1	272.8	246.8	238.4
90°	137.1	144.6	168.5	206.9	271.3	317.6	288.7	218.4	181.5	155.1	149.6
92.5°	95.2	94.2	110.7	137.6	185.0	222.9	198.0	144.6	114.7	97.2	93.7
95°	62.8	65.3	74.3	91.3	125.2	148.6	130.6	96.2	75.3	62.8	61.3
97.5°	46.9	47.4	54.4	64.8	85.3	97.7	86.8	66.8	53.4	45.4	44.9
100°	36.9	37.4	42.4	48.4	59.8	67.8	60.8	50.4	41.4	35.4	35.4
102.5°	28.9	29.4	32.9	37.9	45.4	50.4	46.4	38.9	32.4	27.9	27.4
105°	22.9	22.9	25.9	29.9	35.4	38.9	36.4	30.4	24.9	21.9	21.9
107.5°	18.0	18.5	20.4	23.4	28.4	31.9	28.9	23.4	19.4	17.0	17.0
110°	14.5	14.5	16.0	18.9	22.9	25.9	23.4	18.9	15.5	14.0	14.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	12.0	12.0	13.0	15.5	18.9	21.4	18.9	15.5	12.5	11.5	11.5
115°	10.0	10.0	11.0	12.5	16.0	17.5	16.0	12.5	10.5	9.5	9.5
117.5°	9.0	9.0	9.5	11.0	13.5	14.5	13.5	10.5	9.0	8.5	8.5
120°	8.0	8.0	8.5	9.5	11.5	12.5	11.5	9.5	8.0	7.5	7.5
122.5°	7.5	7.5	7.5	8.5	10.5	11.0	10.0	8.5	7.0	7.0	7.0
125°	7.0	7.0	7.0	7.5	9.0	9.5	9.0	7.5	6.5	6.5	6.5
127.5°	6.5	6.5	6.5	7.0	8.0	8.5	8.0	7.0	6.0	6.0	6.0
130°	6.5	6.5	6.0	6.5	7.0	7.5	7.0	6.5	6.0	5.5	6.0
132.5°	6.0	6.0	6.0	6.0	6.5	6.5	6.5	6.0	5.5	5.5	5.5
135°	5.5	5.5	5.0	5.0	5.5	6.0	5.5	5.0	5.0	5.0	5.0
137.5°	5.0	4.5	4.5	4.5	5.0	5.0	5.0	4.5	4.5	4.5	4.5
140°	4.0	4.0	4.0	4.0	4.0	4.5	4.0	3.5	3.5	4.0	4.0
142.5°	3.5	3.5	3.5	3.0	3.5	3.5	3.5	3.0	3.0	3.0	3.0
145°	3.0	3.0	3.0	2.5	3.0	3.0	3.0	2.5	2.5	2.5	2.5
147.5°	2.0	2.5	2.0	2.0	2.5	2.5	2.0	2.0	2.0	2.0	2.0
150°	1.5	1.5	1.5	1.5	2.0	2.0	1.5	1.5	1.5	1.5	1.5
152.5°	1.0	1.0	1.5	1.5	1.5	1.5	1.5	1.5	1.0	1.0	1.0
155°	1.0	1.0	1.0	1.0	1.5	1.5	1.0	1.0	1.0	0.5	0.5
157.5°	0.5	0.5	0.5	0.5	1.0	1.5	1.0	0.5	0.5	0.5	0.5
160°	0.0	0.0	0.0	0.5	1.0	1.5	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)