

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: P415384

Luminaire Tested: **LXF.LXT-PA1-50-727-U-5WQ-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415384
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-PA1-50-727-U-5WQ-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 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: 5418 lumens
Efficiency: N/A
Efficacy: 100.3 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 (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

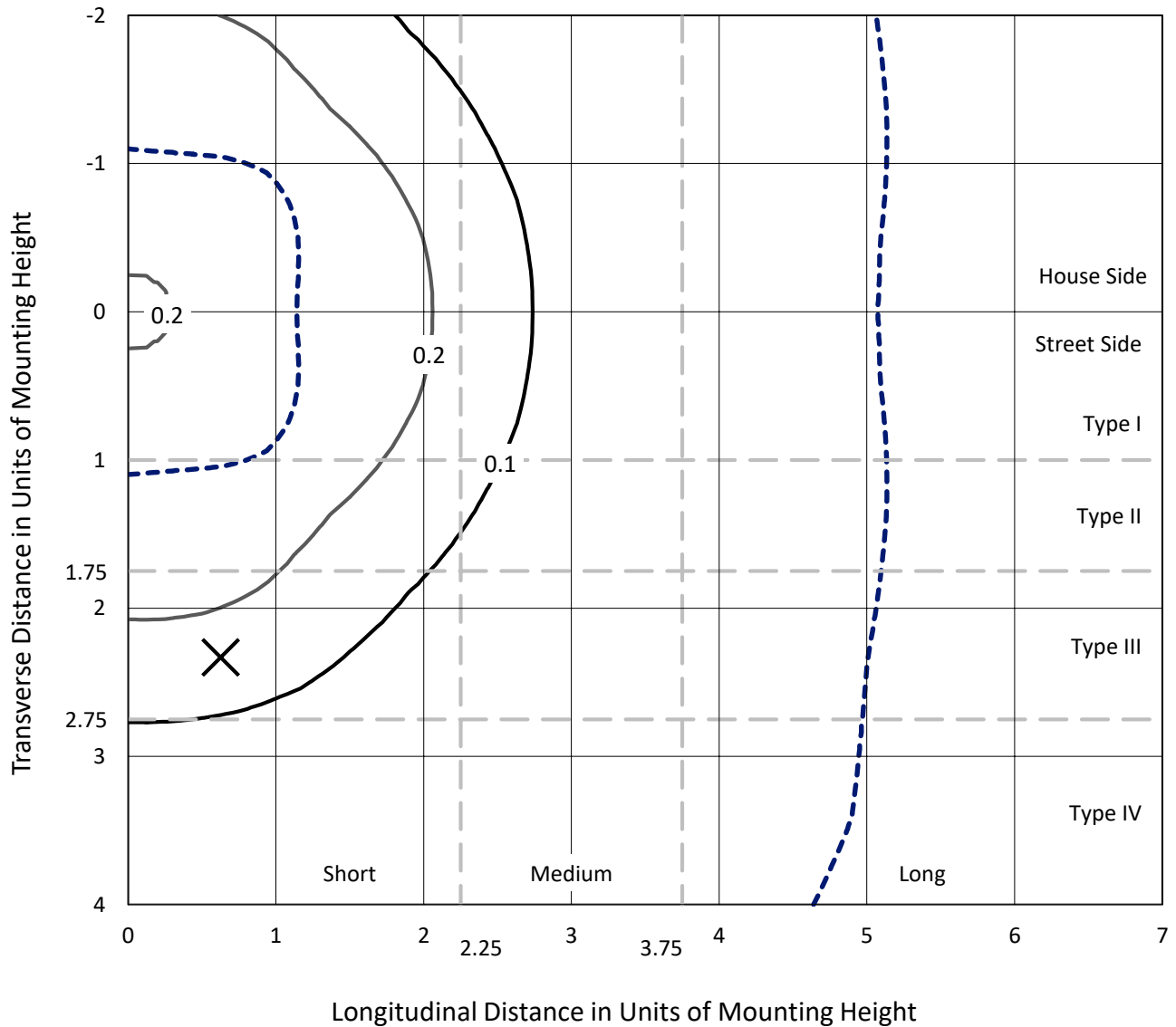


REPORT NUMBER: P415384

CATALOG NUMBER: LXF.LXT-PA1-50-727-U-5WQ-A

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

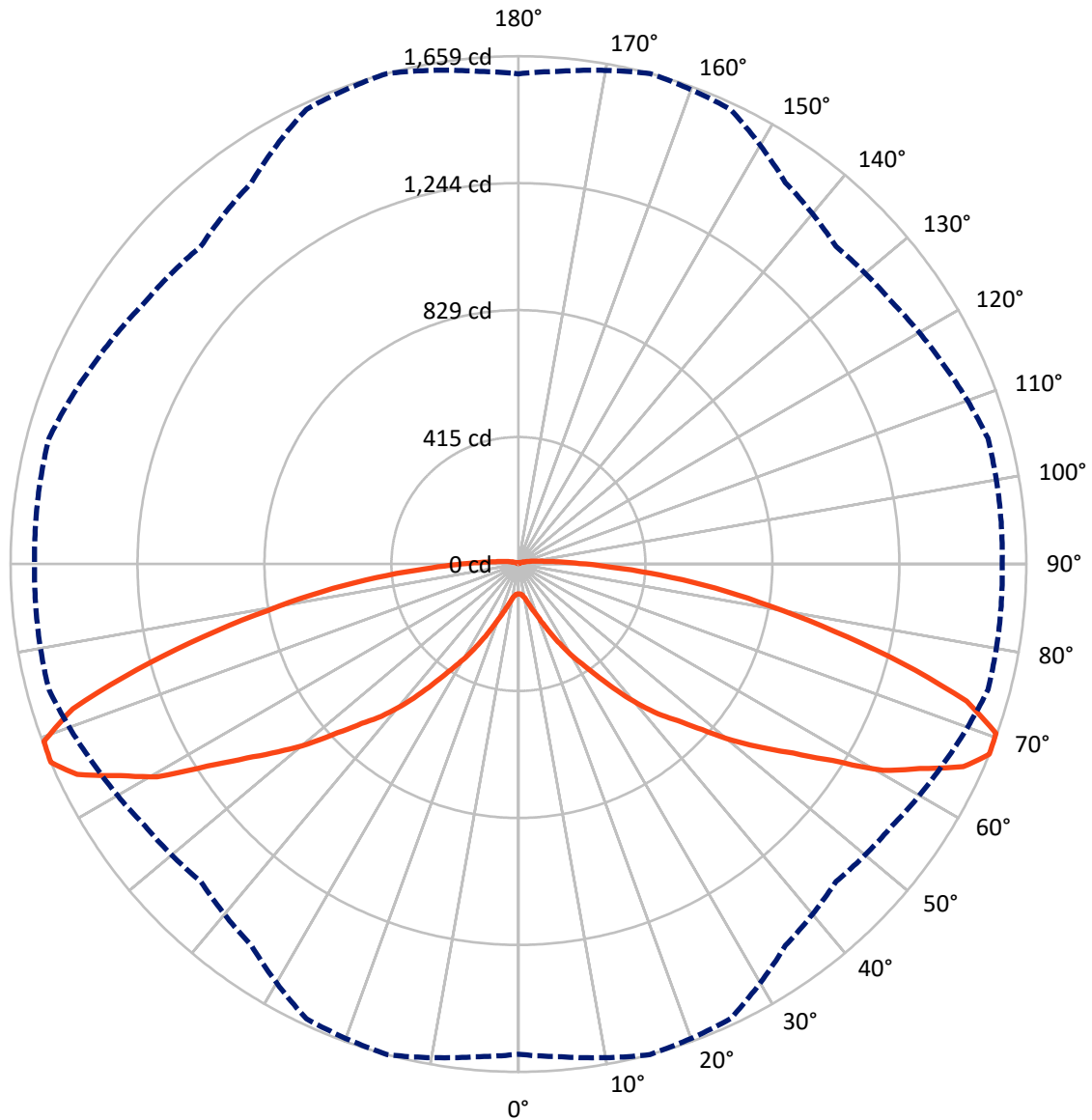


Based on 25 foot mounting height. Maximum calculated value = 0.4 fc
 Type V - Short - Non-Cutoff

REPORT NUMBER: P415384

CATALOG NUMBER: LXF.LXT-PA1-50-727-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	2602.1	106.9	2709.0
	% Fixture	48.0	2.0	50.0
Street Side	Lumens	2602.1	106.9	2709.0
	% Fixture	48.0	2.0	50.0
Total	Lumens	5204.2	213.8	5418.0
	% Fixture	96.1	3.9	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.9	0.2
10°-20°	40.5	0.7
20°-30°	116.7	2.2
30°-40°	274.7	5.1
40°-50°	517.8	9.6
50°-60°	923.5	17.0
60°-70°	1460.0	26.9
70°-80°	1286.3	23.7
80°-90°	574.9	10.6
90°-100°	142.8	2.6
100°-110°	39.3	0.7
110°-120°	15.8	0.3
120°-130°	8.4	0.2
130°-140°	4.9	0.1
140°-150°	2.1	0.0
150°-160°	0.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5204.2	96.1
0°-180°	5418.0	100.0



REPORT NUMBER: P415384

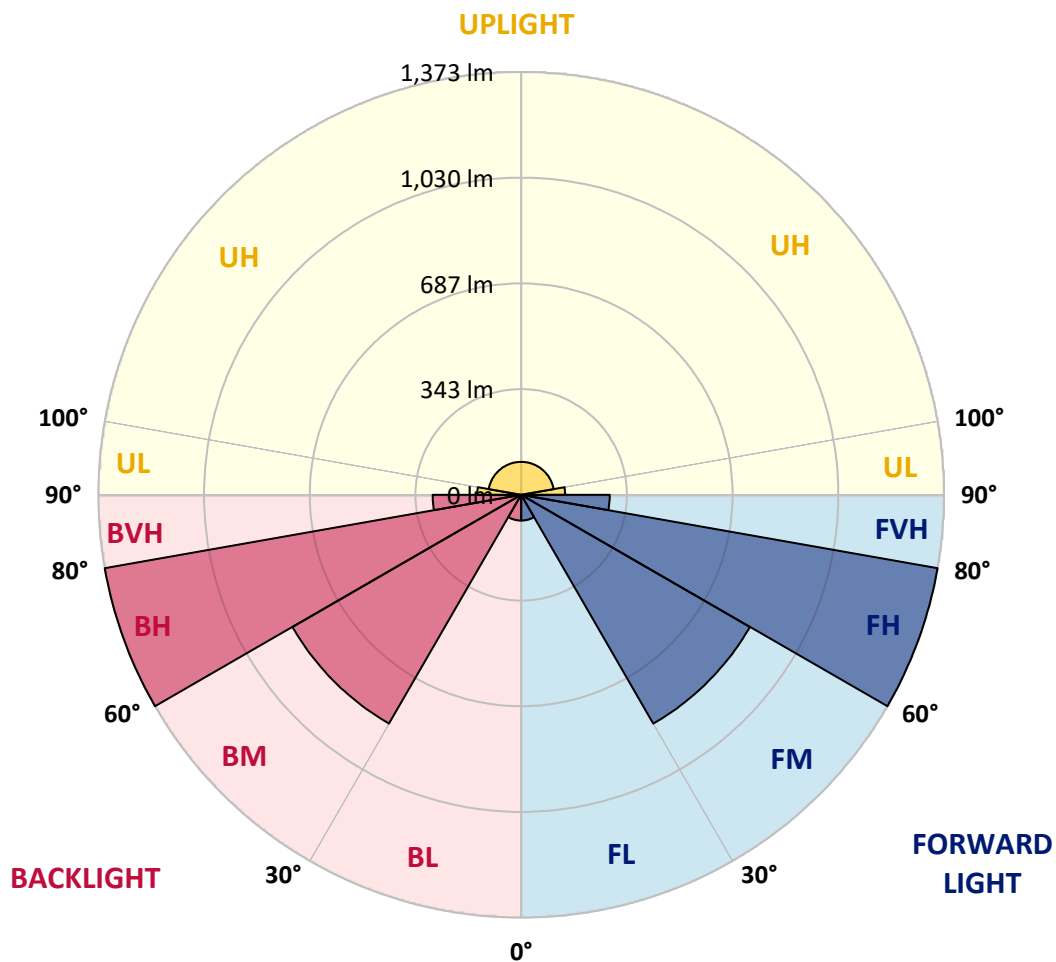
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	83.5	1.5			
FM	(30°-60°)	858.0	15.8			
FH	(60°-80°)	1373.1	25.3			G1/1800
FVH	(80°-90°)	287.5	5.3			G3/500
BL	(0°-30°)	83.5	1.5	B0/110		
BM	(30°-60°)	858.0	15.8	B1/1000		
BH	(60°-80°)	1373.1	25.3	B3/2500		G1/1800
BVH	(80°-90°)	287.5	5.3			G3/500
UL	(90°-100°)	142.8	2.6		U3/500	
UH	(100°-180°)	106.9	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°	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
2.5°	97.4	97.4	98.0	98.0	98.6	99.2	98.6	98.0	97.4	96.8	96.8
5°	100.4	100.4	100.4	100.4	101.0	101.0	100.4	99.2	98.6	98.0	98.0
7.5°	105.1	105.1	105.1	105.1	105.1	104.5	103.3	102.2	101.6	101.0	101.0
10°	112.8	112.8	111.6	111.6	111.0	110.4	109.3	108.1	106.9	107.5	107.5
12.5°	125.8	126.4	124.6	121.7	119.3	118.1	117.5	117.5	119.3	119.3	119.9
15°	144.7	144.7	141.7	137.6	132.9	129.3	130.5	133.5	136.4	138.2	138.2
17.5°	165.4	165.4	162.4	157.1	150.6	148.8	148.2	151.2	157.7	160.0	160.6
20°	191.3	191.3	186.0	178.3	172.4	170.1	170.1	174.8	181.9	187.2	186.6
22.5°	226.8	226.2	218.5	205.5	197.8	194.3	193.7	200.2	212.6	220.9	223.2
25°	269.3	268.7	258.7	241.5	229.7	220.3	222.6	233.9	252.8	265.7	265.7
27.5°	317.7	315.3	302.4	283.5	265.7	253.3	256.9	272.8	296.5	314.2	314.8
30°	365.0	365.0	350.8	328.3	304.7	289.4	293.5	315.9	344.3	372.0	372.6
32.5°	415.2	414.6	396.8	374.4	345.5	328.3	334.8	362.6	402.7	434.6	440.5
35°	479.5	480.1	455.3	424.6	388.0	369.1	377.9	414.0	461.8	500.2	503.7
37.5°	548.6	552.2	525.0	485.4	436.4	413.4	426.4	468.3	523.8	564.0	564.0
40°	623.0	624.8	600.0	549.8	490.7	460.6	477.7	522.6	565.1	599.4	601.2
42.5°	686.2	688.0	668.5	619.5	553.3	517.3	527.4	561.6	601.8	640.1	643.7
45°	735.8	741.7	729.9	688.0	620.7	577.0	575.8	610.6	659.0	699.2	703.9
47.5°	825.6	828.5	807.9	758.3	689.8	641.9	637.2	672.0	735.2	778.3	781.3
50°	904.7	913.6	905.9	852.7	771.2	713.4	714.0	760.0	828.5	872.2	876.4
52.5°	993.9	998.0	995.7	950.2	871.0	802.5	810.2	862.2	936.0	963.2	967.9
55°	1075.4	1081.9	1090.1	1056.5	977.9	917.7	924.8	980.3	1029.9	1055.9	1058.3
57.5°	1204.7	1211.2	1210.6	1161.0	1093.7	1035.2	1047.0	1090.7	1155.7	1200.0	1207.7
60°	1345.3	1354.7	1369.5	1305.1	1204.1	1163.4	1178.1	1241.3	1315.1	1321.6	1329.9
62.5°	1439.1	1443.9	1471.6	1450.4	1332.9	1283.8	1322.8	1376.6	1414.9	1420.8	1418.5
65°	1562.0	1577.3	1596.8	1547.8	1453.3	1386.0	1430.9	1471.0	1540.1	1546.0	1544.9
67.5°	1601.0	1615.7	1658.8	1638.8	1520.6	1466.9	1489.9	1534.2	1587.4	1582.7	1580.3
70°	1603.9	1618.1	1654.7	1644.1	1536.0	1461.6	1485.2	1502.3	1551.4	1551.9	1545.4
72.5°	1443.3	1468.1	1530.7	1549.6	1455.1	1378.9	1380.7	1380.1	1383.6	1344.7	1329.3
75°	1215.9	1233.6	1295.1	1340.5	1292.1	1226.6	1225.4	1175.8	1165.1	1135.6	1125.0
77.5°	973.8	995.7	1054.7	1104.3	1087.2	1051.8	1033.4	977.3	962.0	928.3	932.5
80°	757.1	774.2	832.7	897.0	901.8	877.0	856.9	810.8	780.7	752.3	739.9
82.5°	582.9	597.6	647.8	717.5	746.4	743.5	715.1	663.2	636.0	608.8	592.9
85°	402.7	415.7	465.3	549.8	601.8	620.1	588.2	522.6	474.2	435.8	427.0
87.5°	259.8	265.7	305.3	378.5	456.5	499.6	465.9	383.9	323.0	292.3	282.3
90°	162.4	171.3	199.6	245.1	321.3	376.2	341.9	258.7	215.0	183.7	177.2
92.5°	112.8	111.6	131.1	163.0	219.1	264.0	234.4	171.3	135.8	115.2	111.0
95°	74.4	77.4	88.0	108.1	148.2	176.0	154.7	114.0	89.2	74.4	72.6
97.5°	55.5	56.1	64.4	76.8	101.0	115.7	102.8	79.1	63.2	53.7	53.1
100°	43.7	44.3	50.2	57.3	70.9	80.3	72.0	59.6	49.0	41.9	41.9
102.5°	34.3	34.8	39.0	44.9	53.7	59.6	54.9	46.1	38.4	33.1	32.5
105°	27.2	27.2	30.7	35.4	41.9	46.1	43.1	36.0	29.5	26.0	26.0
107.5°	21.3	21.9	24.2	27.8	33.7	37.8	34.3	27.8	23.0	20.1	20.1
110°	17.1	17.1	18.9	22.4	27.2	30.7	27.8	22.4	18.3	16.5	16.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	14.2	14.2	15.4	18.3	22.4	25.4	22.4	18.3	14.8	13.6	13.6
115°	11.8	11.8	13.0	14.8	18.9	20.7	18.9	14.8	12.4	11.2	11.2
117.5°	10.6	10.6	11.2	13.0	15.9	17.1	15.9	12.4	10.6	10.0	10.0
120°	9.4	9.4	10.0	11.2	13.6	14.8	13.6	11.2	9.4	8.9	8.9
122.5°	8.9	8.9	8.9	10.0	12.4	13.0	11.8	10.0	8.3	8.3	8.3
125°	8.3	8.3	8.3	8.9	10.6	11.2	10.6	8.9	7.7	7.7	7.7
127.5°	7.7	7.7	7.7	8.3	9.4	10.0	9.4	8.3	7.1	7.1	7.1
130°	7.7	7.7	7.1	7.7	8.3	8.9	8.3	7.7	7.1	6.5	7.1
132.5°	7.1	7.1	7.1	7.1	7.7	7.7	7.7	7.1	6.5	6.5	6.5
135°	6.5	6.5	5.9	5.9	6.5	7.1	6.5	5.9	5.9	5.9	5.9
137.5°	5.9	5.3	5.3	5.3	5.9	5.9	5.9	5.3	5.3	5.3	5.3
140°	4.7	4.7	4.7	4.7	4.7	5.3	4.7	4.1	4.1	4.7	4.7
142.5°	4.1	4.1	4.1	3.5	4.1	4.1	4.1	3.5	3.5	3.5	3.5
145°	3.5	3.5	3.5	3.0	3.5	3.5	3.5	3.0	3.0	3.0	3.0
147.5°	2.4	3.0	2.4	2.4	3.0	3.0	2.4	2.4	2.4	2.4	2.4
150°	1.8	1.8	1.8	1.8	2.4	2.4	1.8	1.8	1.8	1.8	1.8
152.5°	1.2	1.2	1.8	1.8	1.8	1.8	1.8	1.8	1.2	1.2	1.2
155°	1.2	1.2	1.2	1.2	1.8	1.8	1.2	1.2	1.2	0.6	0.6
157.5°	0.6	0.6	0.6	0.6	1.2	1.8	1.2	0.6	0.6	0.6	0.6
160°	0.0	0.0	0.0	0.6	1.2	1.8	1.2	0.6	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)