

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: P415388

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

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P415388  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-21)  
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-TL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2700K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS  
AND TEXTURED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5395 lumens  
Efficiency: N/A  
Efficacy: 99.9 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<sub>in</sub>): 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

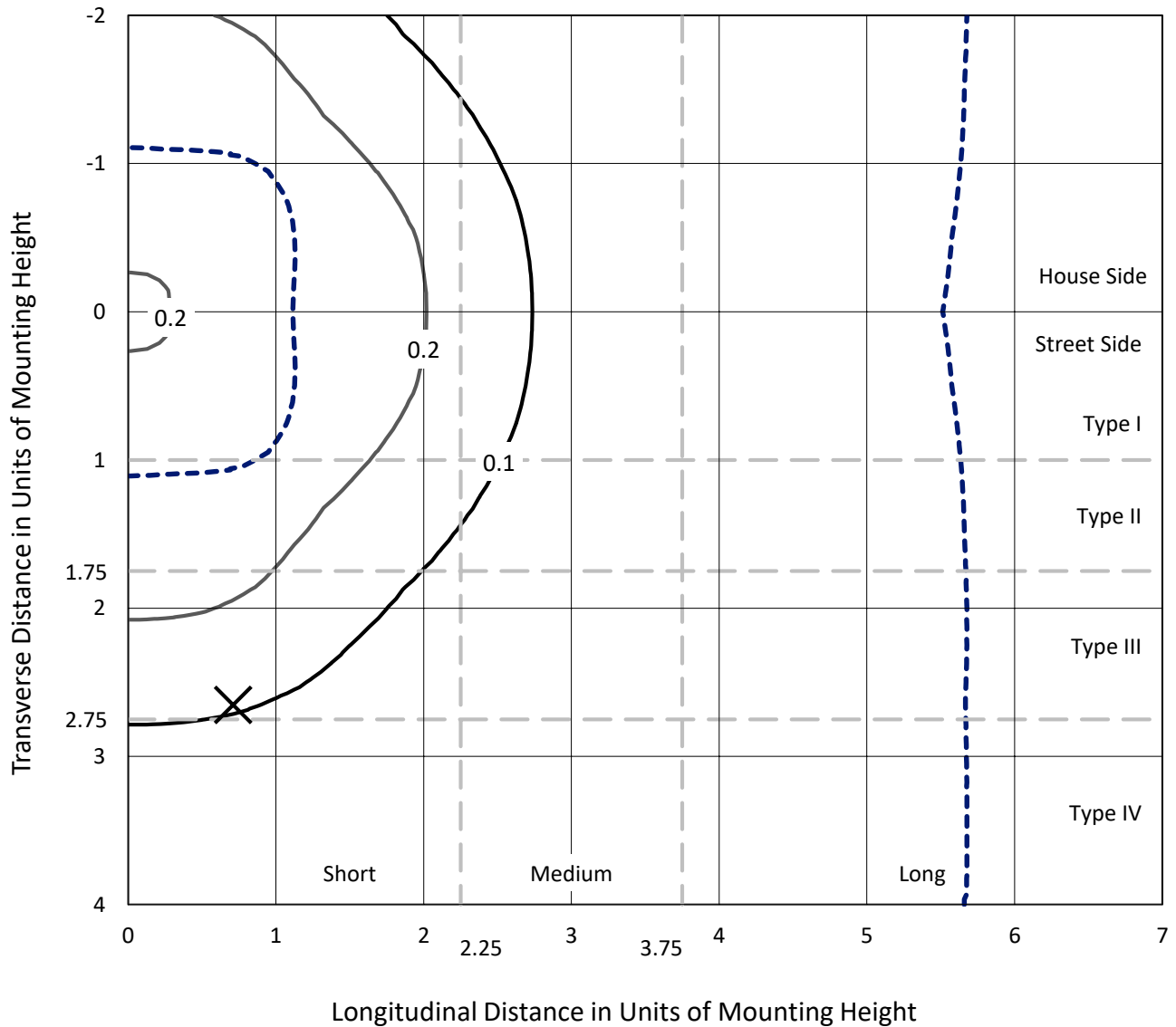


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### Iso-Footcandle Lines of Horizontal Illumination

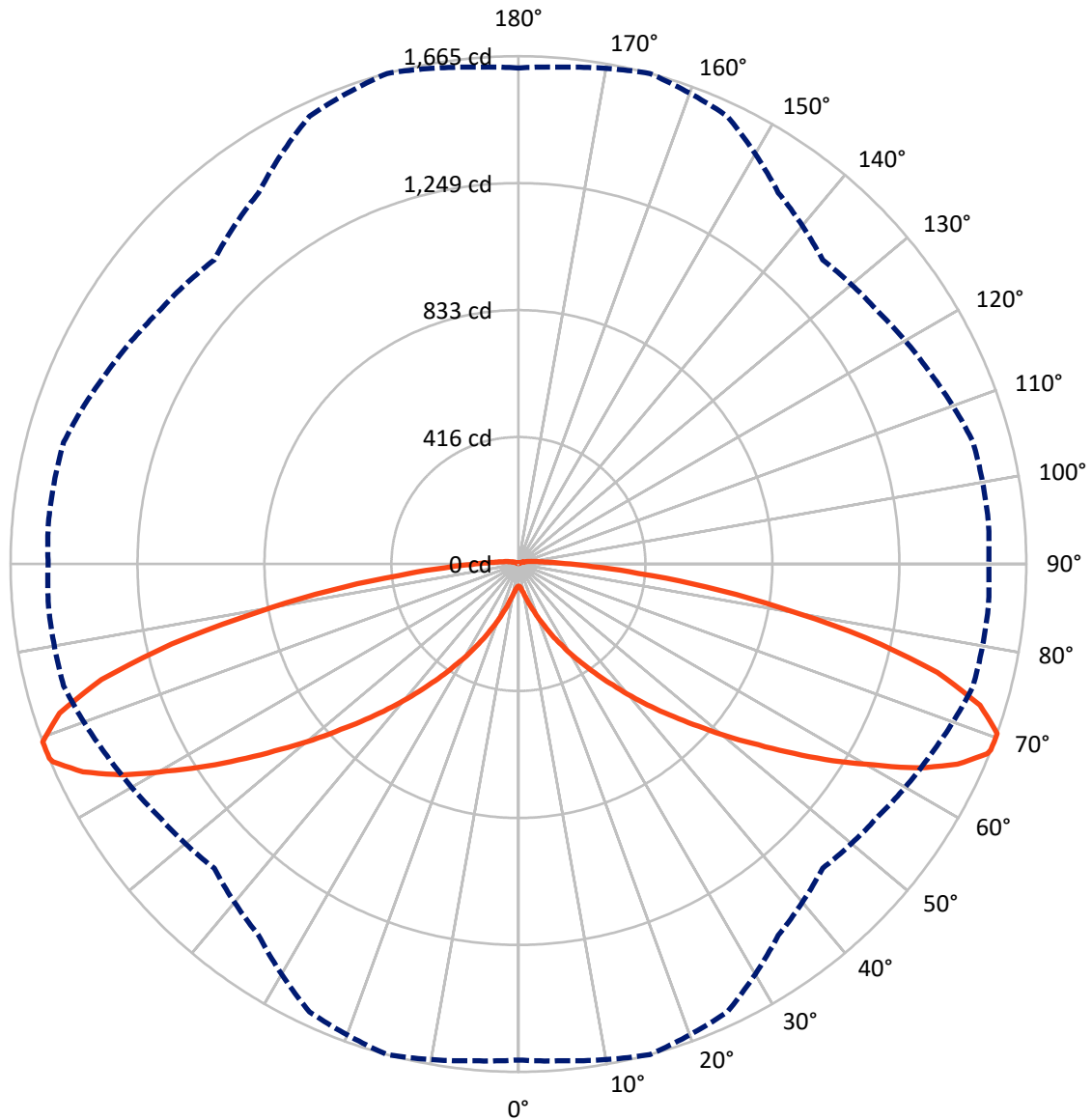
× Max cd  
 - - - 1/2 Max cd



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 70-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2602.5	95.0	2697.5
	% Fixture	48.2	1.8	50.0
<b>Street Side</b>	Lumens	2602.5	95.0	2697.5
	% Fixture	48.2	1.8	50.0
<b>Total</b>	Lumens	5205.0	190.0	5395.0
	% Fixture	96.5	3.5	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	8.1	0.1
10°-20°	39.0	0.7
20°-30°	117.2	2.2
30°-40°	269.4	5.0
40°-50°	518.1	9.6
50°-60°	915.9	17.0
60°-70°	1419.4	26.3
70°-80°	1377.6	25.5
80°-90°	540.4	10.0
90°-100°	116.3	2.2
100°-110°	39.7	0.7
110°-120°	17.5	0.3
120°-130°	8.8	0.2
130°-140°	4.8	0.1
140°-150°	2.2	0.0
150°-160°	0.7	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5205.0	96.5
0°-180°	5395.0	100.0



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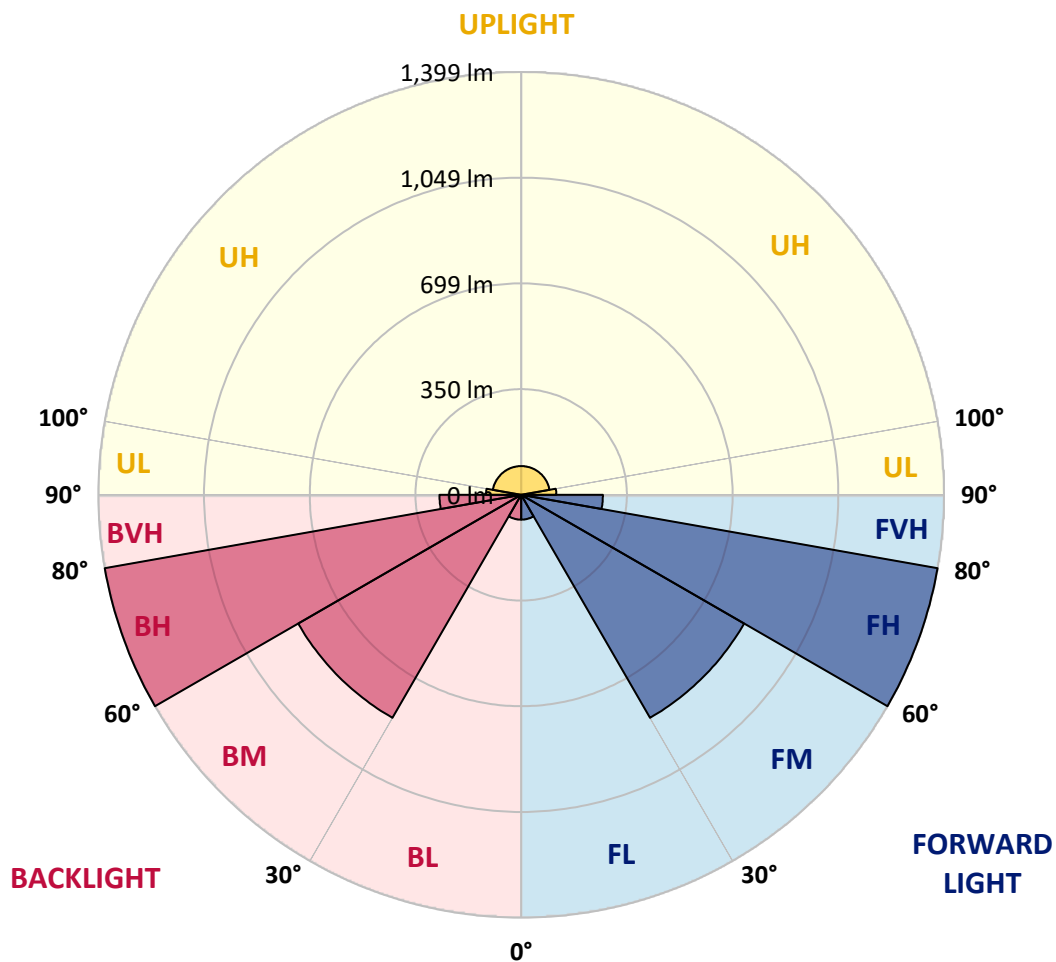
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	82.1	1.5			
FM	(30°-60°)	851.7	15.8			
FH	(60°-80°)	1398.5	25.9			G1/1800
FVH	(80°-90°)	270.2	5.0			G3/500
BL	(0°-30°)	82.1	1.5	B0/110		
BM	(30°-60°)	851.7	15.8	B1/1000		
BH	(60°-80°)	1398.5	25.9	B3/2500		G1/1800
BVH	(80°-90°)	270.2	5.0			G3/500
UL	(90°-100°)	116.3	2.2		U3/500	
UH	(100°-180°)	95.0	1.8		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°	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
2.5°	73.8	73.8	73.8	74.4	74.4	75.0	74.4	73.8	73.8	73.2	73.2
5°	79.1	79.1	79.1	79.1	79.7	79.7	78.5	78.0	77.4	77.4	77.4
7.5°	87.4	87.4	88.0	87.4	87.4	86.8	85.6	84.4	84.4	83.9	83.9
10°	100.4	99.2	99.2	98.6	98.0	96.8	95.7	95.1	93.9	93.9	92.7
12.5°	118.1	117.5	115.7	114.0	111.6	109.8	108.7	108.1	108.1	108.1	109.3
15°	138.8	139.4	138.2	134.1	129.3	125.8	125.2	125.2	126.4	127.6	127.6
17.5°	165.9	164.8	161.8	157.1	151.2	147.6	145.3	147.0	150.0	151.8	153.0
20°	195.5	194.9	190.7	183.1	176.6	171.8	170.1	172.4	177.8	182.5	181.9
22.5°	229.7	229.1	222.6	212.6	203.7	198.4	196.7	201.4	212.6	218.5	219.7
25°	268.7	266.9	261.0	247.4	235.0	226.8	228.0	236.2	251.0	262.8	262.2
27.5°	313.0	310.6	299.4	284.1	267.5	259.2	261.6	275.2	295.3	308.9	310.6
30°	361.4	357.9	346.1	323.6	304.7	292.9	298.8	317.7	343.1	362.6	365.0
32.5°	408.1	412.2	392.1	369.7	343.7	328.3	336.0	362.0	393.3	420.5	422.8
35°	467.1	463.6	446.5	416.9	385.0	369.1	379.1	411.0	446.5	478.3	479.5
37.5°	530.3	526.8	504.3	468.3	431.1	412.2	425.2	459.4	504.9	536.8	543.9
40°	598.2	591.1	570.5	526.2	480.7	461.2	473.6	516.7	565.7	600.6	605.3
42.5°	665.0	660.8	639.6	588.8	536.8	512.0	530.3	572.8	629.5	663.8	669.7
45°	737.6	737.0	714.0	658.5	600.0	572.2	591.1	638.4	692.7	732.3	735.8
47.5°	814.4	815.0	794.9	739.4	668.5	637.2	655.5	708.7	772.4	807.9	811.4
50°	905.3	901.8	888.2	823.2	748.8	713.4	737.0	792.5	851.6	889.4	892.9
52.5°	1001.0	1001.0	985.0	925.4	838.6	802.0	822.0	878.7	944.9	979.1	986.2
55°	1107.3	1102.5	1096.1	1031.1	942.5	900.0	920.1	984.4	1045.3	1074.8	1075.4
57.5°	1222.4	1217.7	1216.5	1158.1	1057.1	1001.6	1024.6	1085.4	1154.5	1174.0	1179.9
60°	1334.0	1342.3	1337.6	1286.2	1172.2	1109.6	1135.6	1199.4	1266.1	1283.8	1289.8
62.5°	1455.7	1459.8	1472.8	1410.2	1287.4	1220.7	1246.6	1303.3	1371.2	1386.0	1388.4
65°	1560.8	1564.9	1582.1	1523.0	1383.6	1313.4	1342.9	1402.5	1470.5	1483.5	1475.8
67.5°	1623.4	1632.9	1658.8	1602.7	1459.2	1381.9	1412.0	1468.1	1527.2	1539.0	1528.9
68°	1632.9	1640.5	1664.7	1614.0	1468.7	1390.1	1422.0	1477.5	1537.8	1547.2	1539.6
70°	1626.4	1635.2	1665.3	1620.5	1485.8	1410.8	1440.9	1488.2	1543.7	1547.2	1541.9
72.5°	1536.6	1552.5	1582.1	1566.1	1456.9	1389.0	1414.4	1443.3	1481.7	1481.1	1474.6
75°	1364.8	1357.7	1418.5	1426.2	1354.1	1315.1	1327.5	1328.1	1335.8	1325.2	1303.9
77.5°	1091.3	1107.9	1166.9	1218.3	1194.1	1178.7	1181.1	1146.3	1130.9	1085.4	1071.3
80°	796.1	809.0	872.2	950.2	985.0	1002.7	982.7	917.1	863.4	816.7	800.8
82.5°	543.3	548.0	622.4	697.4	767.1	788.4	770.7	681.5	607.1	557.5	535.6
85°	334.2	341.9	395.1	469.5	551.6	600.0	558.7	469.5	394.5	355.5	346.7
87.5°	196.7	208.5	243.9	300.0	378.5	419.9	387.4	310.0	249.8	221.5	210.8
90°	122.8	129.9	152.4	193.1	253.9	284.1	262.2	201.4	161.2	137.0	129.3
92.5°	85.6	88.0	103.3	129.3	173.0	193.7	175.4	138.2	110.4	92.1	89.2
95°	63.8	65.6	75.0	91.5	119.3	135.2	122.8	97.4	78.5	66.1	64.4
97.5°	50.2	51.4	59.1	69.7	87.4	98.6	90.9	74.4	60.8	50.8	49.0
100°	39.0	40.2	47.2	55.5	68.5	74.4	69.7	58.5	47.8	39.0	37.8
102.5°	30.7	31.3	37.8	45.5	54.9	59.1	55.5	47.2	37.8	30.1	29.5
105°	24.2	24.8	30.7	37.8	45.5	48.4	46.1	39.0	30.1	23.0	22.4
107.5°	18.9	19.5	24.2	31.3	37.8	40.2	37.8	31.9	23.6	18.3	17.7



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	15.4	15.4	20.1	26.0	31.9	33.7	31.9	26.0	18.9	14.8	14.2
112.5°	13.0	13.0	16.5	21.9	26.6	28.9	26.6	21.3	15.4	11.8	11.8
115°	10.6	11.2	13.6	18.3	22.4	24.2	22.4	17.7	13.0	10.0	10.0
117.5°	9.4	10.0	11.8	15.4	19.5	20.7	18.9	14.8	10.6	8.9	8.9
120°	8.9	8.9	10.0	13.0	16.5	17.7	15.9	13.0	9.4	8.3	8.3
122.5°	8.3	8.3	8.9	11.2	14.2	15.4	13.6	10.6	8.3	7.7	7.1
125°	7.7	7.7	8.3	10.0	12.4	13.0	11.8	9.4	7.1	6.5	6.5
127.5°	7.1	7.1	7.7	8.9	10.6	11.2	10.6	8.3	6.5	6.5	6.5
130°	6.5	6.5	7.1	7.7	9.4	10.0	8.9	7.1	5.9	5.9	5.9
132.5°	5.9	5.9	5.9	7.1	8.3	8.3	7.7	6.5	5.9	5.3	5.3
135°	5.9	5.9	5.9	5.9	7.1	7.7	6.5	5.9	5.3	5.3	5.3
137.5°	5.3	5.3	5.3	5.3	5.9	6.5	5.9	5.3	4.7	4.7	4.7
140°	4.7	4.7	4.7	4.7	5.3	5.3	5.3	4.1	4.1	4.1	4.1
142.5°	4.1	4.1	4.1	4.1	4.1	4.7	4.1	3.5	3.5	3.5	3.5
145°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
147.5°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
150°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
152.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
155°	1.2	1.2	1.2	1.2	1.8	1.2	1.8	1.2	1.2	1.2	1.2
157.5°	0.6	0.6	1.2	1.2	1.2	1.8	1.2	1.2	0.6	0.6	0.6
160°	0.0	0.6	0.6	0.6	1.2	1.2	1.2	0.6	0.6	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)