

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: P416060

Luminaire Tested: **LXF.LXT-PA1-60-827-U-5WQ-A**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P416060  
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-PA1-60-827-U-5WQ-A  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 2700K, 800mA 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: 5502 lumens  
Efficiency: N/A  
Efficacy: 86.0 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): 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

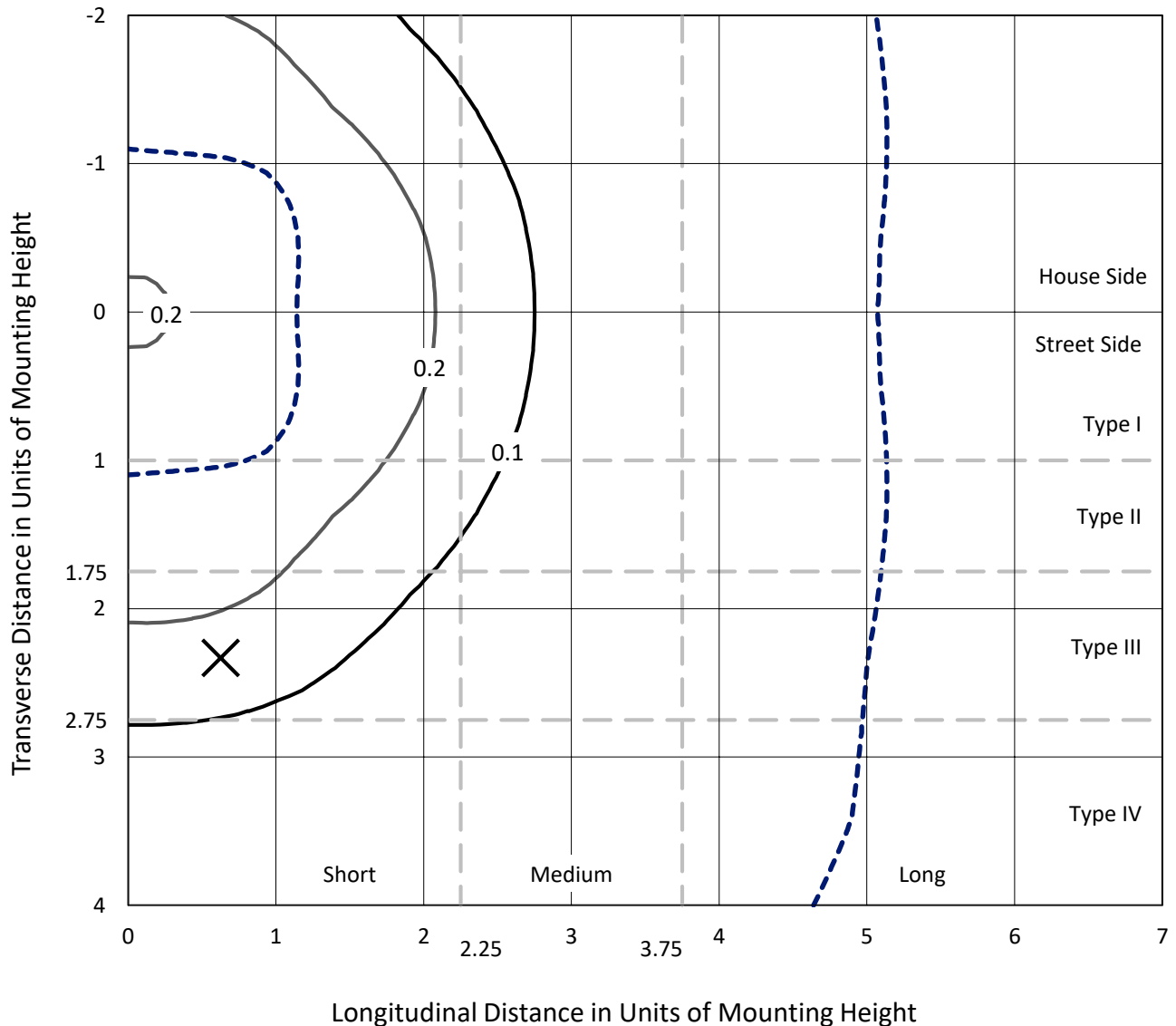


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

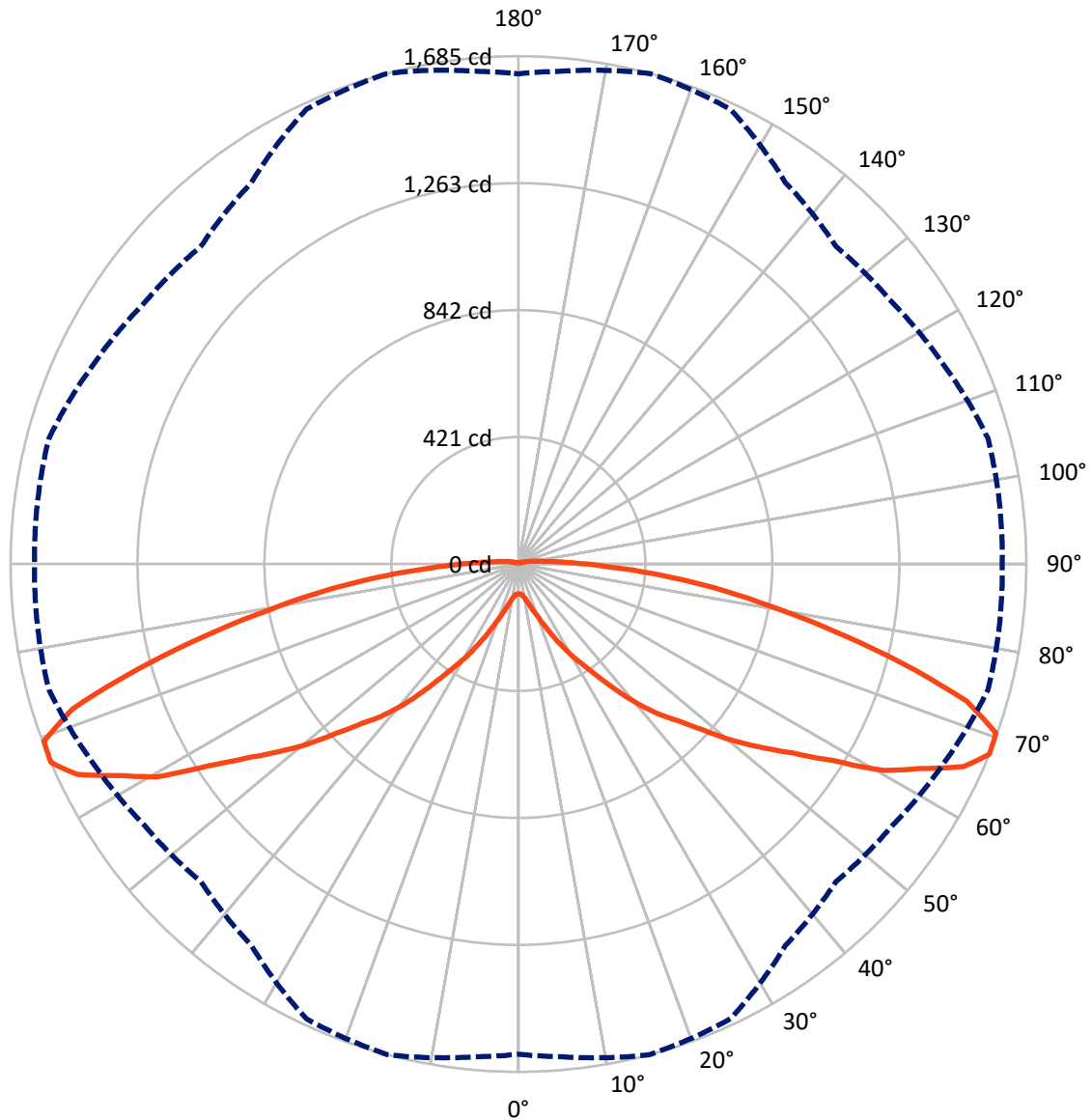


Based on 25 foot mounting height. Maximum calculated value = 0.5 fc  
 Type V - Short - Non-Cutoff

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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
<b>House Side</b>	Lumens	2642.4	108.6	2751.0
	% Fixture	48.0	2.0	50.0
<b>Street Side</b>	Lumens	2642.4	108.6	2751.0
	% Fixture	48.0	2.0	50.0
<b>Total</b>	Lumens	5284.9	217.2	5502.0
	% Fixture	96.1	3.9	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	10.0	0.2
10°-20°	41.1	0.7
20°-30°	118.5	2.2
30°-40°	278.9	5.1
40°-50°	525.8	9.6
50°-60°	937.8	17.0
60°-70°	1482.6	26.9
70°-80°	1306.3	23.7
80°-90°	583.9	10.6
90°-100°	145.0	2.6
100°-110°	40.0	0.7
110°-120°	16.0	0.3
120°-130°	8.5	0.2
130°-140°	5.0	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°	5284.9	96.1
0°-180°	5502.0	100.0



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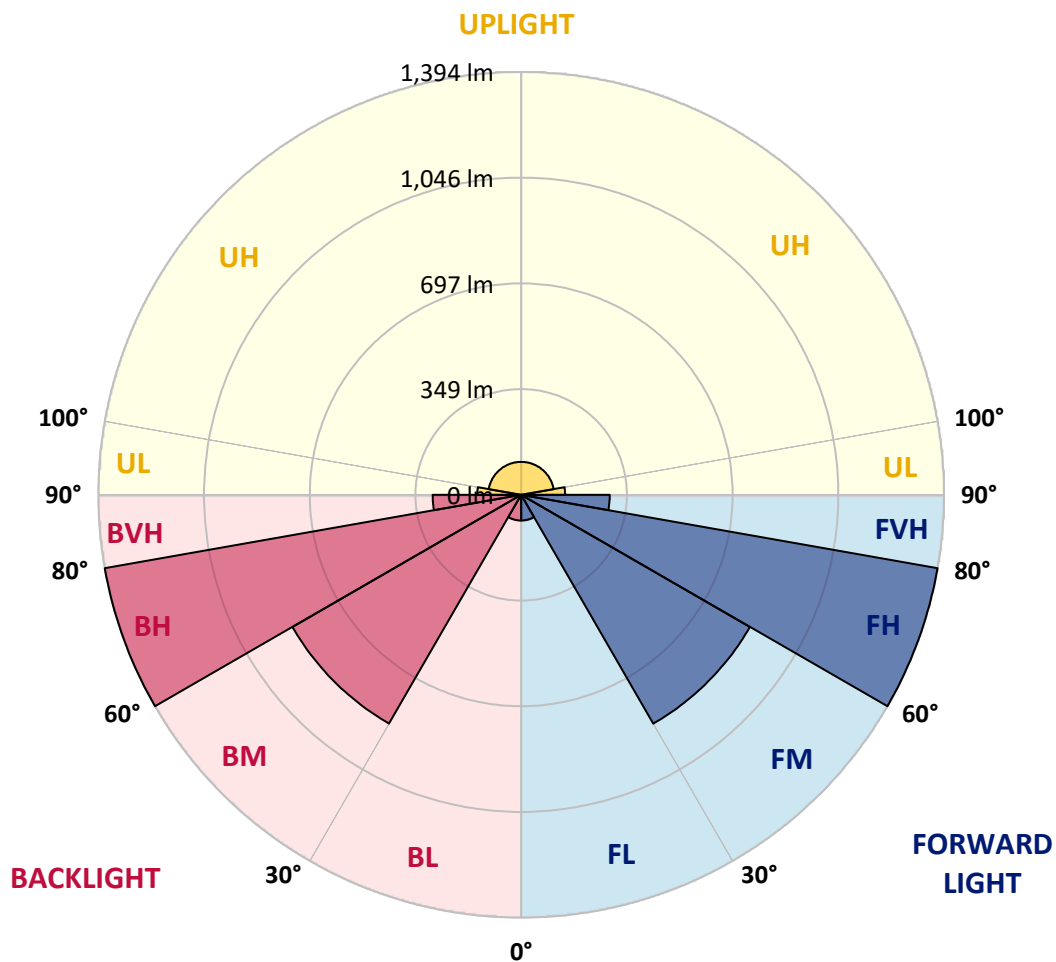
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	84.8	1.5			
FM	(30°-60°)	871.3	15.8			
FH	(60°-80°)	1394.4	25.3			G1/1800
FVH	(80°-90°)	291.9	5.3			G3/500
BL	(0°-30°)	84.8	1.5	B0/110		
BM	(30°-60°)	871.3	15.8	B1/1000		
BH	(60°-80°)	1394.4	25.3	B3/2500		G1/1800
BVH	(80°-90°)	291.9	5.3			G3/500
UL	(90°-100°)	145.0	2.6		U3/500	
UH	(100°-180°)	108.6	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°	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
2.5°	99.0	99.0	99.5	99.5	100.1	100.7	100.1	99.5	99.0	98.4	98.4
5°	101.9	101.9	101.9	101.9	102.5	102.5	101.9	100.7	100.1	99.5	99.5
7.5°	106.7	106.7	106.7	106.7	106.7	106.1	104.9	103.7	103.1	102.5	102.5
10°	114.5	114.5	113.3	113.3	112.7	112.1	110.9	109.7	108.5	109.1	109.1
12.5°	127.7	128.3	126.5	123.5	121.1	119.9	119.3	119.3	121.1	121.1	121.7
15°	146.9	146.9	143.9	139.7	134.9	131.3	132.5	135.5	138.5	140.3	140.3
17.5°	167.9	167.9	164.9	159.5	152.9	151.1	150.5	153.5	160.1	162.5	163.1
20°	194.3	194.3	188.9	181.1	175.1	172.7	172.7	177.5	184.7	190.1	189.5
22.5°	230.3	229.7	221.9	208.7	200.9	197.3	196.7	203.3	215.9	224.3	226.7
25°	273.5	272.9	262.7	245.3	233.3	223.7	226.1	237.5	256.7	269.9	269.9
27.5°	322.6	320.2	307.0	287.9	269.9	257.3	260.9	277.1	301.0	319.0	319.6
30°	370.6	370.6	356.2	333.4	309.4	293.9	298.0	320.8	349.6	377.8	378.4
32.5°	421.6	421.0	403.0	380.2	350.8	333.4	340.0	368.2	409.0	441.4	447.4
35°	487.0	487.6	462.4	431.2	394.0	374.8	383.8	420.4	469.0	507.9	511.5
37.5°	557.1	560.7	533.1	493.0	443.2	419.8	433.0	475.6	531.9	572.7	572.7
40°	632.7	634.5	609.3	558.3	498.3	467.8	485.2	530.7	573.9	608.7	610.5
42.5°	696.8	698.6	678.9	629.1	561.9	525.3	535.5	570.3	611.1	650.1	653.7
45°	747.2	753.2	741.2	698.6	630.3	585.9	584.7	620.1	669.3	710.0	714.8
47.5°	838.4	841.4	820.4	770.0	700.4	651.9	647.1	682.5	746.6	790.4	793.4
50°	918.7	927.7	919.9	866.0	783.2	724.4	725.0	771.8	841.4	885.8	890.0
52.5°	1009.3	1013.5	1011.1	964.9	884.6	815.0	822.8	875.6	950.5	978.1	982.9
55°	1092.0	1098.6	1107.0	1072.9	993.1	931.9	939.1	995.5	1045.9	1072.3	1074.7
57.5°	1223.4	1230.0	1229.4	1179.0	1110.6	1051.3	1063.3	1107.6	1173.6	1218.6	1226.4
60°	1366.1	1375.7	1390.7	1325.3	1222.8	1181.4	1196.4	1260.6	1335.5	1342.1	1350.5
62.5°	1461.5	1466.3	1494.4	1472.9	1353.5	1303.7	1343.3	1397.9	1436.9	1442.9	1440.5
65°	1586.2	1601.8	1621.6	1571.8	1475.9	1407.5	1453.1	1493.8	1564.0	1570.0	1568.8
67.5°	1625.8	1640.8	1684.5	1664.2	1544.2	1489.6	1513.0	1558.0	1612.0	1607.2	1604.8
70°	1628.8	1643.2	1680.4	1669.6	1559.8	1484.3	1508.2	1525.6	1575.4	1576.0	1569.4
72.5°	1465.7	1490.8	1554.4	1573.6	1477.7	1400.3	1402.1	1401.5	1405.1	1365.5	1349.9
75°	1234.8	1252.8	1315.1	1361.3	1312.1	1245.6	1244.4	1194.0	1183.2	1153.2	1142.4
77.5°	988.9	1011.1	1071.1	1121.4	1104.0	1068.1	1049.5	992.5	976.9	942.7	946.9
80°	768.8	786.2	845.6	910.9	915.7	890.6	870.2	823.4	792.8	764.0	751.4
82.5°	591.9	606.9	657.9	728.6	758.0	755.0	726.2	673.5	645.9	618.3	602.1
85°	409.0	422.2	472.6	558.3	611.1	629.7	597.3	530.7	481.6	442.6	433.6
87.5°	263.9	269.9	310.0	384.4	463.6	507.3	473.2	389.8	328.0	296.9	286.7
90°	164.9	173.9	202.7	248.9	326.2	382.0	347.2	262.7	218.3	186.5	179.9
92.5°	114.5	113.3	133.1	165.5	222.5	268.1	238.1	173.9	137.9	116.9	112.7
95°	75.6	78.6	89.4	109.7	150.5	178.7	157.1	115.7	90.6	75.6	73.8
97.5°	56.4	57.0	65.4	78.0	102.5	117.5	104.3	80.4	64.2	54.6	54.0
100°	44.4	45.0	51.0	58.2	72.0	81.6	73.2	60.6	49.8	42.6	42.6
102.5°	34.8	35.4	39.6	45.6	54.6	60.6	55.8	46.8	39.0	33.6	33.0
105°	27.6	27.6	31.2	36.0	42.6	46.8	43.8	36.6	30.0	26.4	26.4
107.5°	21.6	22.2	24.6	28.2	34.2	38.4	34.8	28.2	23.4	20.4	20.4
110°	17.4	17.4	19.2	22.8	27.6	31.2	28.2	22.8	18.6	16.8	16.8



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	14.4	14.4	15.6	18.6	22.8	25.8	22.8	18.6	15.0	13.8	13.8
115°	12.0	12.0	13.2	15.0	19.2	21.0	19.2	15.0	12.6	11.4	11.4
117.5°	10.8	10.8	11.4	13.2	16.2	17.4	16.2	12.6	10.8	10.2	10.2
120°	9.6	9.6	10.2	11.4	13.8	15.0	13.8	11.4	9.6	9.0	9.0
122.5°	9.0	9.0	9.0	10.2	12.6	13.2	12.0	10.2	8.4	8.4	8.4
125°	8.4	8.4	8.4	9.0	10.8	11.4	10.8	9.0	7.8	7.8	7.8
127.5°	7.8	7.8	7.8	8.4	9.6	10.2	9.6	8.4	7.2	7.2	7.2
130°	7.8	7.8	7.2	7.8	8.4	9.0	8.4	7.8	7.2	6.6	7.2
132.5°	7.2	7.2	7.2	7.2	7.8	7.8	7.8	7.2	6.6	6.6	6.6
135°	6.6	6.6	6.0	6.0	6.6	7.2	6.6	6.0	6.0	6.0	6.0
137.5°	6.0	5.4	5.4	5.4	6.0	6.0	6.0	5.4	5.4	5.4	5.4
140°	4.8	4.8	4.8	4.8	4.8	5.4	4.8	4.2	4.2	4.8	4.8
142.5°	4.2	4.2	4.2	3.6	4.2	4.2	4.2	3.6	3.6	3.6	3.6
145°	3.6	3.6	3.6	3.0	3.6	3.6	3.6	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)