

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: P414605

Luminaire Tested: **LXF.LXT-PA1-30-730-U-5WQ-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414605
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-11)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-30-730-U-5WQ-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS
AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

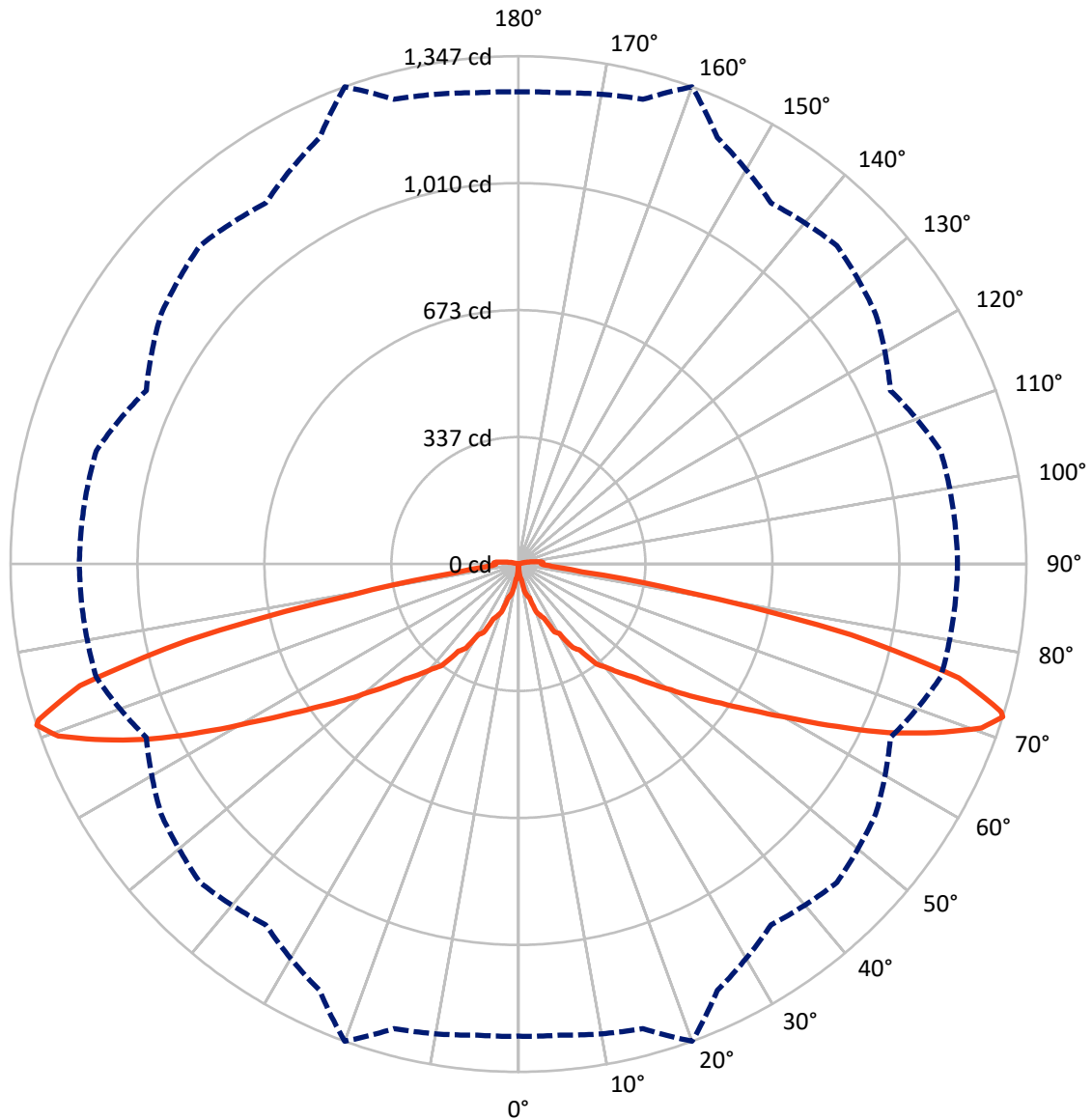
Lumens per Lamp: N/A
Luminaire Lumens: 3635 lumens
Efficiency: N/A
Efficacy: 117.3 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B3 - U3 - G2

Input Watts (W): 31
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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Luminous Intensity Polar Plot



— Vertical Plane Through 20-Deg Lateral - - - Horizontal Cone Through 72-Deg Vertical

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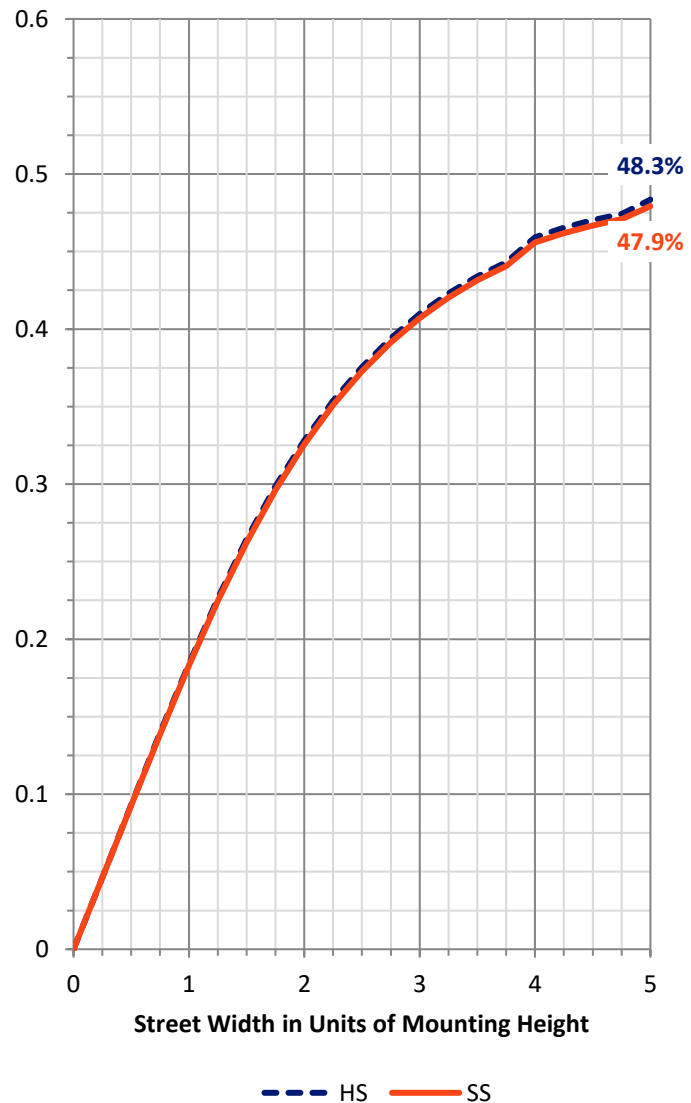
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1775.3	42.3	1817.5
	% Fixture	48.8	1.2	50.0
Street Side	Lumens	1775.3	42.3	1817.5
	% Fixture	48.8	1.2	50.0
Total	Lumens	3550.5	84.5	3635.0
	% Fixture	97.7	2.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.4	0.0
10°-20°	19.9	0.5
20°-30°	78.8	2.2
30°-40°	182.3	5.0
40°-50°	331.9	9.1
50°-60°	588.4	16.2
60°-70°	995.3	27.4
70°-80°	1105.9	30.4
80°-90°	246.6	6.8
90°-100°	68.6	1.9
100°-110°	10.1	0.3
110°-120°	2.4	0.1
120°-130°	1.5	0.0
130°-140°	0.9	0.0
140°-150°	0.8	0.0
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3550.5	97.7
0°-180°	3635.0	100.0



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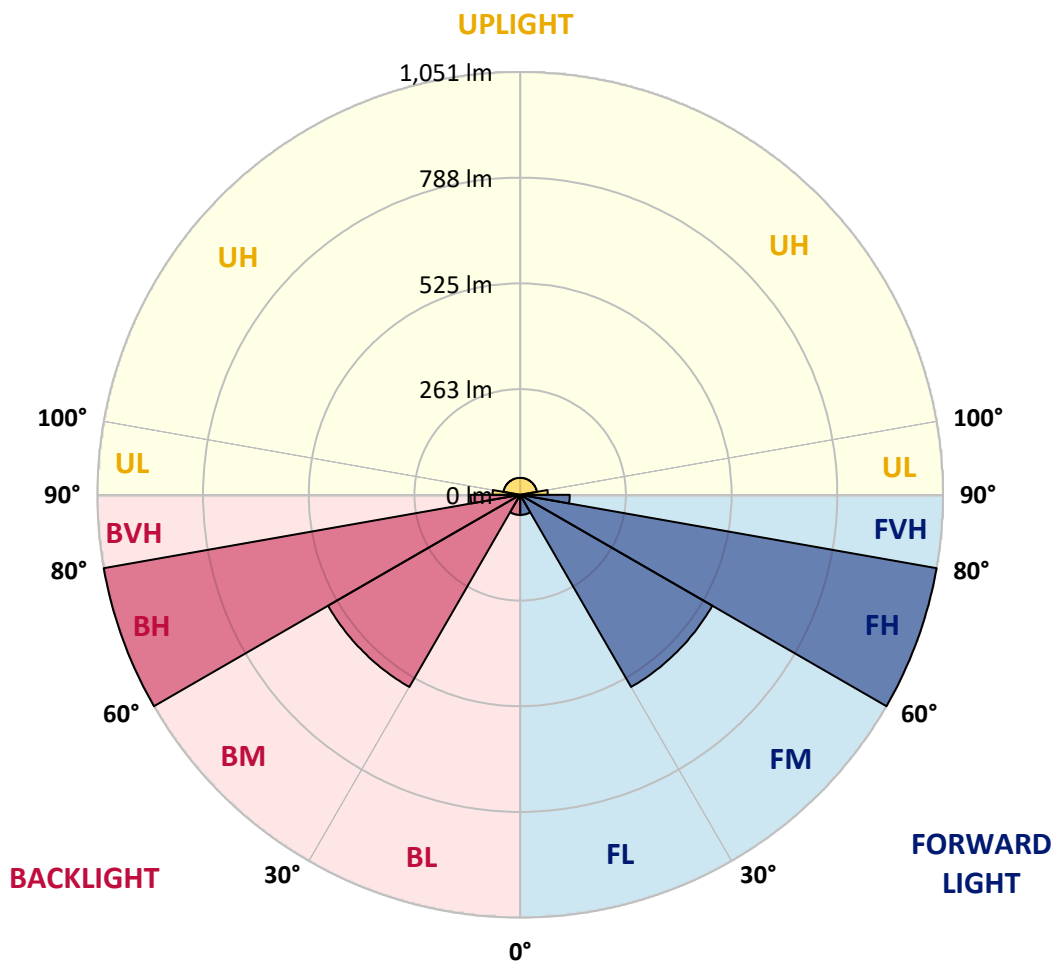
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	50.0	1.4			
FM (30°-60°)	551.3	15.2			
FH (60°-80°)	1050.6	28.9			G1/1800
FVH (80°-90°)	123.3	3.4			G2/225
BL (0°-30°)	50.0	1.4	B0/110		
BM (30°-60°)	551.3	15.2	B1/1000		
BH (60°-80°)	1050.6	28.9	B3/2500		G1/1800
BVH (80°-90°)	123.3	3.4			G2/225
UL (90°-100°)	68.6	1.9		U3/500	
UH (100°-180°)	42.3	1.2		U2/50	

BUG Rating: B3-U3-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	20°	25°	35°	45°	55°	65°	75°	85°
0°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
2.5°	1.9	1.9	1.9	2.3	1.5	1.9	1.5	1.5	1.5	1.5	1.5
5°	16.9	16.6	15.4	28.5	13.5	6.9	3.9	2.3	1.5	1.5	1.5
7.5°	36.2	35.8	34.7	38.1	28.9	21.9	17.3	11.6	3.1	1.9	1.9
10°	43.5	43.1	41.6	42.0	40.4	39.3	32.3	19.6	8.9	3.1	3.1
12.5°	65.1	64.7	62.0	75.5	52.4	43.5	40.4	34.3	19.3	15.4	30.0
15°	89.0	89.0	85.1	87.0	72.0	63.5	47.0	58.9	64.7	61.6	65.8
17.5°	99.0	98.6	94.7	94.0	90.1	82.8	81.3	85.5	83.2	73.9	74.3
20°	125.9	125.5	120.5	135.2	111.7	94.0	117.1	102.4	94.3	107.4	124.8
22.5°	151.3	151.0	147.1	147.9	135.2	138.2	127.8	118.6	140.2	145.2	149.8
25°	179.4	178.3	163.3	160.2	149.4	163.7	146.7	170.6	156.0	162.9	175.2
27.5°	210.6	209.1	201.8	204.1	183.3	177.1	187.2	182.1	191.8	221.8	228.4
30°	230.7	221.8	215.3	214.1	218.3	198.3	206.0	211.0	221.4	234.5	246.1
32.5°	277.3	275.3	250.3	263.8	238.8	236.4	220.3	237.2	237.2	288.0	322.7
35°	298.1	296.1	289.2	280.3	274.2	253.0	260.7	255.3	294.6	313.5	342.3
37.5°	370.1	368.1	331.6	336.2	298.8	286.9	278.8	299.6	315.0	334.6	368.1
40°	398.2	396.6	382.0	361.2	347.3	313.1	303.1	320.4	339.3	360.8	395.1
42.5°	431.7	430.5	413.2	393.9	380.1	350.8	340.0	341.6	364.7	396.6	430.1
45°	471.7	471.7	460.6	427.4	414.0	393.2	375.8	377.8	399.3	437.8	472.5
47.5°	517.6	516.8	510.2	473.3	462.9	431.3	417.4	423.6	440.1	482.9	519.5
50°	571.1	567.2	566.8	524.5	511.8	479.4	466.3	476.7	486.7	529.1	568.8
52.5°	626.1	627.3	627.7	586.1	573.4	545.7	526.8	538.0	538.0	582.6	626.1
55°	691.6	694.3	692.4	651.2	653.1	623.1	597.3	611.1	606.1	648.9	687.8
57.5°	775.9	775.2	779.0	731.7	737.8	713.6	684.3	693.1	685.4	720.5	755.1
60°	860.3	860.3	870.3	829.1	845.6	809.1	790.2	794.8	767.5	796.7	827.5
62.5°	948.1	948.8	963.5	949.6	953.5	914.6	902.6	895.3	843.3	881.5	902.6
65°	1037.0	1038.2	1062.4	1077.5	1049.0	1013.5	1003.1	985.4	929.6	983.5	987.4
67.5°	1127.1	1132.1	1161.0	1193.0	1149.5	1083.6	1098.6	1066.7	1008.9	1060.5	1057.8
70°	1226.1	1229.6	1249.2	1302.7	1224.6	1139.8	1156.0	1132.5	1064.0	1128.3	1133.3
72°	1251.9	1254.2	1275.4	1346.6	1247.3	1168.0	1194.1	1156.4	1088.6	1159.1	1162.9
72.5°	1250.4	1253.8	1271.2	1338.2	1246.5	1173.0	1201.1	1159.1	1088.2	1157.2	1156.8
75°	1132.9	1141.0	1167.6	1206.5	1178.0	1162.9	1223.0	1142.9	1044.7	1082.9	1074.0
77.5°	831.4	837.6	876.1	900.7	956.9	1057.8	1166.0	1049.7	913.4	896.1	866.8
80°	407.8	405.5	482.9	447.9	610.4	809.4	967.7	830.6	645.8	525.6	450.2
82.5°	137.9	145.9	177.5	171.0	271.5	467.1	655.0	512.9	299.2	203.7	168.3
85°	77.8	80.5	97.8	94.0	110.5	181.4	336.9	233.4	130.9	109.4	97.4
87.5°	68.5	69.7	68.9	67.8	73.2	101.7	102.0	105.5	80.1	74.3	74.7
90°	69.3	70.1	62.8	60.1	64.3	85.1	94.7	89.7	65.5	63.9	70.1
92.5°	75.1	75.9	68.2	65.5	68.9	87.4	97.4	92.4	66.2	68.2	74.7
95°	68.5	69.3	62.8	60.1	63.9	81.3	91.3	89.3	63.2	69.7	79.3
97.5°	43.9	44.3	43.9	43.9	50.4	61.6	64.3	60.8	42.0	42.7	43.5
100°	17.3	13.9	19.6	28.9	35.8	36.2	34.7	32.0	27.0	17.7	8.9
102.5°	5.8	5.8	13.5	18.9	21.2	16.9	13.5	13.5	15.8	11.2	5.8
105°	5.8	5.8	7.3	8.9	8.9	4.6	4.2	6.9	10.0	5.8	5.8
107.5°	5.4	5.8	3.9	3.5	3.1	3.1	3.1	3.1	3.9	4.2	5.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	20°	25°	35°	45°	55°	65°	75°	85°
110°	4.6	4.6	3.1	3.1	2.7	2.3	3.1	2.7	3.1	3.5	4.6
112.5°	3.5	3.9	2.3	2.3	2.3	1.9	2.7	2.3	2.3	2.7	3.1
115°	3.5	3.5	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.3	3.1
117.5°	3.5	3.1	1.9	1.5	1.5	1.5	1.5	1.5	1.5	2.3	3.1
120°	3.5	3.1	1.9	1.5	1.2	1.2	1.2	1.2	1.5	1.9	3.1
122.5°	3.1	3.1	1.9	1.5	1.2	1.2	1.2	1.2	1.2	1.9	3.1
125°	3.1	3.1	1.9	1.5	1.2	1.2	0.8	1.2	1.2	1.9	2.7
127.5°	3.1	2.7	1.9	1.2	1.2	0.8	0.8	0.8	1.2	1.5	2.7
130°	2.7	2.7	1.9	1.2	0.8	0.8	0.8	0.8	0.8	1.5	2.3
132.5°	2.3	2.3	1.5	1.2	0.8	0.8	0.8	0.8	0.8	1.2	1.9
135°	1.9	1.9	1.5	1.2	0.8	1.2	0.8	0.8	0.8	0.8	1.5
137.5°	1.9	1.9	1.5	1.2	0.8	1.2	0.8	0.8	0.8	0.8	1.2
140°	1.9	1.9	1.5	1.2	1.2	1.2	0.8	0.8	0.8	0.8	1.2
142.5°	1.9	1.9	1.5	1.2	1.2	1.2	0.8	0.8	0.8	1.2	1.2
145°	1.9	1.9	1.9	1.5	1.2	1.2	0.8	0.8	1.2	1.2	1.5
147.5°	2.3	2.3	1.9	1.5	1.2	0.8	0.8	0.8	1.2	1.5	1.5
150°	1.9	1.9	1.5	1.2	1.2	0.8	0.4	0.4	0.8	1.5	1.5
152.5°	1.5	1.5	1.2	0.8	0.8	0.4	0.0	0.4	0.8	1.2	1.5
155°	1.2	0.8	0.8	0.4	0.4	0.0	0.0	0.0	0.4	0.8	1.2
157.5°	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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



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CANDELA DISTRIBUTION (continued):

	90°
0°	1.5
2.5°	1.5
5°	1.5
7.5°	1.9
10°	3.1
12.5°	30.8
15°	66.2
17.5°	74.3
20°	134.8
22.5°	151.7
25°	179.1
27.5°	233.7
30°	248.4
32.5°	330.8
35°	348.5
37.5°	372.4
40°	398.2
42.5°	431.3
45°	472.5
47.5°	520.2
50°	567.6
52.5°	624.6
55°	690.5
57.5°	753.2
60°	825.2
62.5°	897.6
65°	987.4
67.5°	1057.8
70°	1135.2
72°	1164.1
72.5°	1157.2
75°	1075.5
77.5°	869.5
80°	441.7
82.5°	156.3
85°	95.9
87.5°	73.2
90°	68.9
92.5°	73.6
95°	78.2
97.5°	41.6
100°	6.2
102.5°	6.2
105°	6.2
107.5°	6.2



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CANDELA DISTRIBUTION (continued):

	90°
110°	5.0
112.5°	3.5
115°	3.5
117.5°	3.5
120°	3.5
122.5°	3.5
125°	3.1
127.5°	2.7
130°	2.3
132.5°	1.9
135°	1.5
137.5°	1.2
140°	1.2
142.5°	1.2
145°	1.5
147.5°	1.5
150°	1.5
152.5°	1.5
155°	1.2
157.5°	0.4
160°	0.4
162.5°	0.0
165°	0.0
167.5°	0.0
170°	0.0
172.5°	0.0
175°	0.0
177.5°	0.0
180°	0.0

(END OF REPORT)