

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: P415436

Luminaire Tested: **LXF.LXT-PA1-50-730-U-5WQ-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415436
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-PA1-50-730-U-5WQ-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 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: 5900 lumens
Efficiency: N/A
Efficacy: 109.3 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 (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

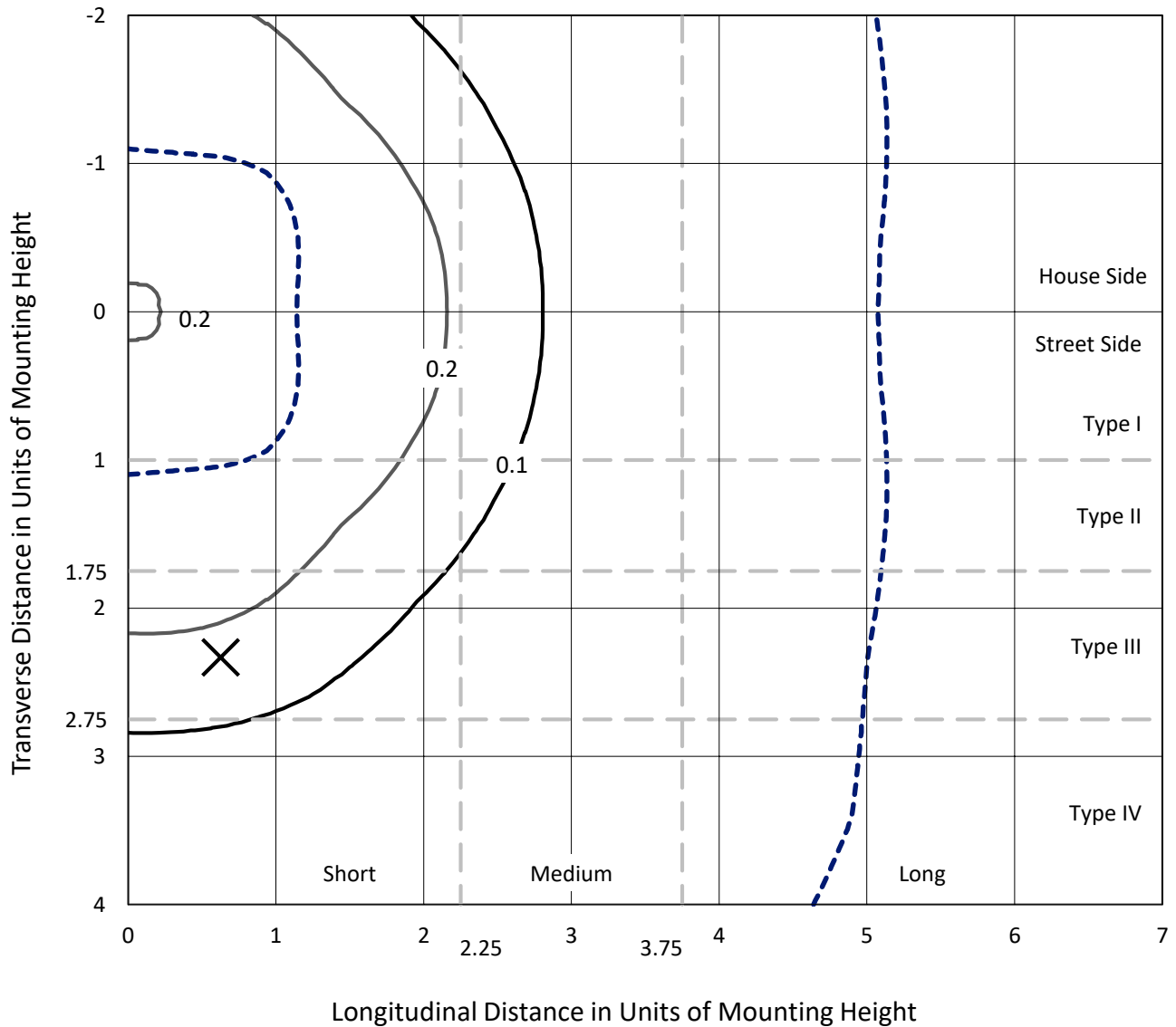


REPORT NUMBER: P415436

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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

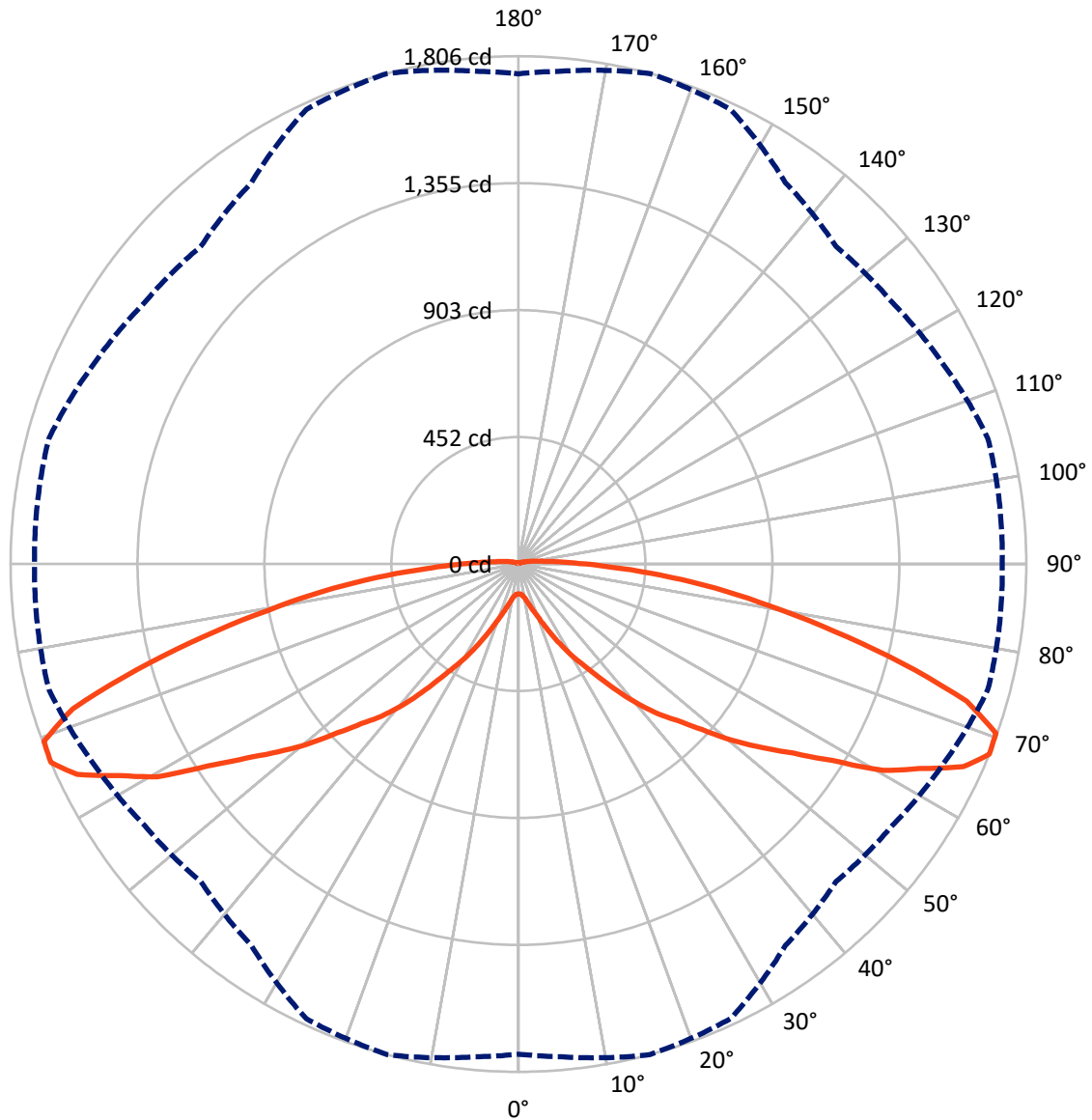


Based on 25 foot mounting height. Maximum calculated value = 0.5 fc
 Type V - Short - Non-Cutoff

REPORT NUMBER: P415436

CATALOG NUMBER: LXF.LXT-PA1-50-730-U-5WQ-A

Luminous Intensity Polar Plot



— Vertical Plane Through 15-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P415436

CATALOG NUMBER: LXF.LXT-PA1-50-730-U-5WQ-A

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2833.6	116.4	2950.0
	% Fixture	48.0	2.0	50.0
Street Side	Lumens	2833.6	116.4	2950.0
	% Fixture	48.0	2.0	50.0
Total	Lumens	5667.1	232.8	5900.0
	% Fixture	96.1	3.9	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.7	0.2
10°-20°	44.1	0.7
20°-30°	127.0	2.2
30°-40°	299.1	5.1
40°-50°	563.9	9.6
50°-60°	1005.6	17.0
60°-70°	1589.9	26.9
70°-80°	1400.8	23.7
80°-90°	626.1	10.6
90°-100°	155.5	2.6
100°-110°	42.8	0.7
110°-120°	17.2	0.3
120°-130°	9.1	0.2
130°-140°	5.3	0.1
140°-150°	2.3	0.0
150°-160°	0.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5667.1	96.1
0°-180°	5900.0	100.0



REPORT NUMBER: P415436

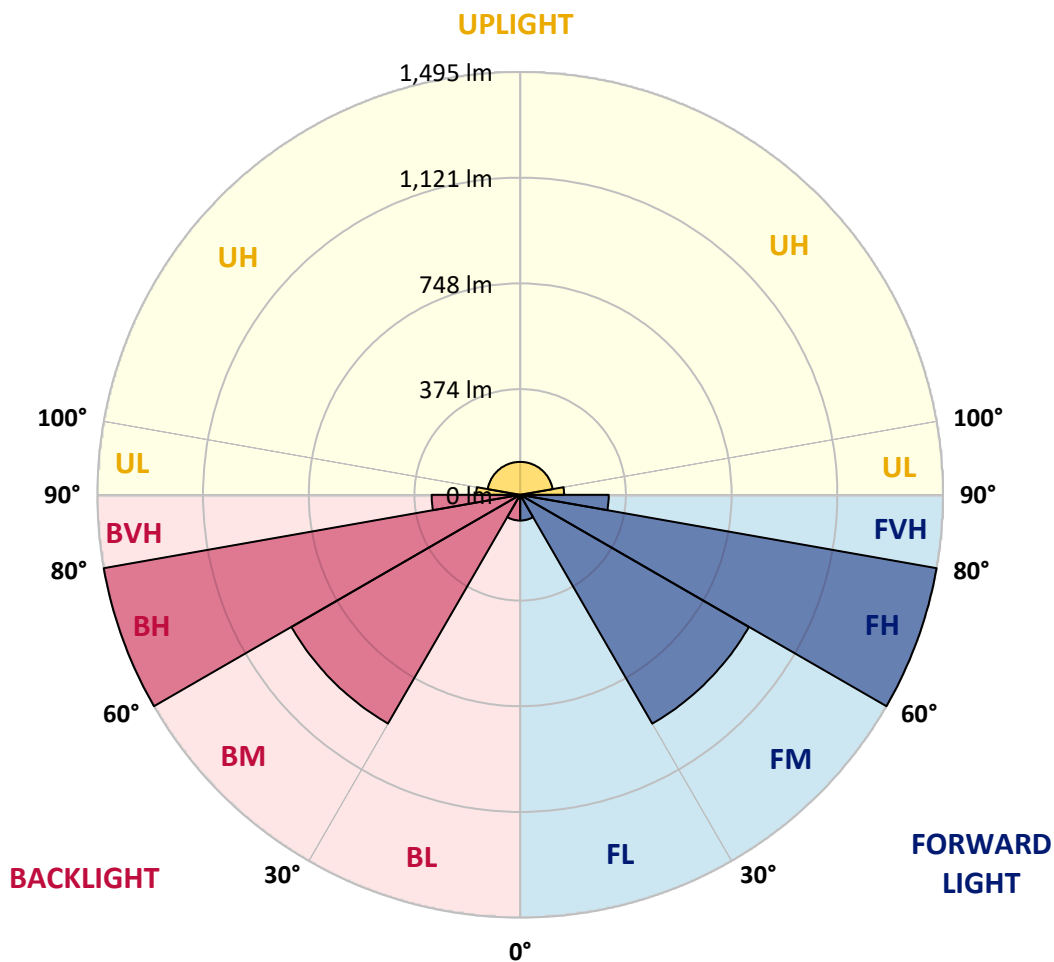
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	90.9	1.5			
FM (30°-60°)	934.3	15.8			
FH (60°-80°)	1495.3	25.3			G1/1800
FVH (80°-90°)	313.0	5.3			G3/500
BL (0°-30°)	90.9	1.5	B0/110		
BM (30°-60°)	934.3	15.8	B1/1000		
BH (60°-80°)	1495.3	25.3	B3/2500		G1/1800
BVH (80°-90°)	313.0	5.3			G3/500
UL (90°-100°)	155.5	2.6		U3/500	
UH (100°-180°)	116.4	2.0		U3/500	

BUG Rating: B3-U3-G3

Type V Short





REPORT NUMBER: P415436

CATALOG NUMBER: LXF.LXT-PA1-50-730-U-5WQ-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	106.1	106.1	106.1	106.1	106.1	106.1	106.1	106.1	106.1	106.1	106.1
2.5°	106.1	106.1	106.8	106.8	107.4	108.0	107.4	106.8	106.1	105.5	105.5
5°	109.3	109.3	109.3	109.3	110.0	110.0	109.3	108.0	107.4	106.8	106.8
7.5°	114.5	114.5	114.5	114.5	114.5	113.8	112.5	111.3	110.6	110.0	110.0
10°	122.8	122.8	121.5	121.5	120.9	120.3	119.0	117.7	116.4	117.0	117.0
12.5°	137.0	137.6	135.7	132.5	129.9	128.6	128.0	128.0	129.9	129.9	130.5
15°	157.6	157.6	154.3	149.8	144.7	140.8	142.1	145.3	148.6	150.5	150.5
17.5°	180.1	180.1	176.8	171.1	164.0	162.1	161.4	164.6	171.7	174.3	174.9
20°	208.4	208.4	202.6	194.2	187.8	185.2	185.2	190.4	198.1	203.9	203.2
22.5°	246.9	246.3	237.9	223.8	215.4	211.6	210.9	218.0	231.5	240.5	243.1
25°	293.2	292.6	281.7	263.0	250.2	239.9	242.4	254.7	275.2	289.4	289.4
27.5°	346.0	343.4	329.3	308.7	289.4	275.9	279.7	297.1	322.8	342.1	342.8
30°	397.4	397.4	382.0	357.6	331.8	315.1	319.6	344.0	374.9	405.1	405.8
32.5°	452.1	451.4	432.1	407.7	376.2	357.6	364.6	394.8	438.6	473.3	479.7
35°	522.2	522.8	495.8	462.4	422.5	401.9	411.6	450.8	502.9	544.7	548.5
37.5°	597.4	601.3	571.7	528.6	475.2	450.2	464.3	510.0	570.4	614.1	614.1
40°	678.4	680.4	653.4	598.7	534.4	501.6	520.2	569.1	615.4	652.7	654.7
42.5°	747.3	749.2	728.0	674.6	602.6	563.3	574.3	611.6	655.3	697.1	701.0
45°	801.3	807.7	794.8	749.2	675.9	628.3	627.0	664.9	717.7	761.4	766.5
47.5°	899.0	902.2	879.7	825.7	751.1	699.0	693.9	731.8	800.6	847.6	850.8
50°	985.2	994.8	986.5	928.6	839.9	776.8	777.5	827.6	902.2	949.8	954.3
52.5°	1082.3	1086.8	1084.2	1034.7	948.5	873.9	882.3	938.9	1019.3	1048.9	1054.0
55°	1171.0	1178.1	1187.1	1150.5	1064.9	999.3	1007.1	1067.5	1121.5	1149.8	1152.4
57.5°	1311.9	1319.0	1318.3	1264.3	1191.0	1127.3	1140.2	1187.8	1258.5	1306.7	1315.1
60°	1464.9	1475.2	1491.3	1421.2	1311.2	1266.9	1282.9	1351.7	1432.1	1439.2	1448.2
62.5°	1567.2	1572.3	1602.5	1579.4	1451.4	1398.1	1440.5	1499.0	1540.8	1547.2	1544.7
65°	1700.9	1717.7	1738.9	1685.5	1582.6	1509.3	1558.2	1601.9	1677.1	1683.6	1682.3
67.5°	1743.4	1759.5	1806.4	1784.5	1655.9	1597.4	1622.5	1670.7	1728.6	1723.4	1720.9
70°	1746.6	1762.0	1801.9	1790.3	1672.6	1591.6	1617.3	1636.0	1689.4	1690.0	1682.9
72.5°	1571.7	1598.7	1666.9	1687.4	1584.5	1501.6	1503.5	1502.9	1506.7	1464.3	1447.6
75°	1324.1	1343.4	1410.3	1459.8	1407.1	1335.7	1334.4	1280.4	1268.8	1236.6	1225.1
77.5°	1060.4	1084.2	1148.5	1202.6	1183.9	1145.3	1125.4	1064.3	1047.6	1010.9	1015.4
80°	824.4	843.1	906.7	976.8	982.0	955.0	933.1	882.9	850.1	819.3	805.8
82.5°	634.7	650.8	705.5	781.3	812.9	809.6	778.8	722.2	692.6	663.0	645.6
85°	438.6	452.7	506.7	598.7	655.3	675.2	640.5	569.1	516.4	474.6	464.9
87.5°	283.0	289.4	332.5	412.2	497.1	544.0	507.4	418.0	351.8	318.3	307.4
90°	176.8	186.5	217.4	266.9	349.8	409.6	372.3	281.7	234.1	200.0	192.9
92.5°	122.8	121.5	142.8	177.5	238.6	287.5	255.3	186.5	147.9	125.4	120.9
95°	81.0	84.2	95.8	117.7	161.4	191.6	168.5	124.1	97.1	81.0	79.1
97.5°	60.4	61.1	70.1	83.6	110.0	126.0	111.9	86.2	68.8	58.5	57.9
100°	47.6	48.2	54.7	62.4	77.2	87.5	78.5	65.0	53.4	45.7	45.7
102.5°	37.3	37.9	42.4	48.9	58.5	65.0	59.8	50.2	41.8	36.0	35.4
105°	29.6	29.6	33.4	38.6	45.7	50.2	46.9	39.2	32.2	28.3	28.3
107.5°	23.2	23.8	26.4	30.2	36.7	41.2	37.3	30.2	25.1	21.9	21.9
110°	18.6	18.6	20.6	24.4	29.6	33.4	30.2	24.4	19.9	18.0	18.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	15.4	15.4	16.7	19.9	24.4	27.7	24.4	19.9	16.1	14.8	14.8
115°	12.9	12.9	14.1	16.1	20.6	22.5	20.6	16.1	13.5	12.2	12.2
117.5°	11.6	11.6	12.2	14.1	17.4	18.6	17.4	13.5	11.6	10.9	10.9
120°	10.3	10.3	10.9	12.2	14.8	16.1	14.8	12.2	10.3	9.6	9.6
122.5°	9.6	9.6	9.6	10.9	13.5	14.1	12.9	10.9	9.0	9.0	9.0
125°	9.0	9.0	9.0	9.6	11.6	12.2	11.6	9.6	8.4	8.4	8.4
127.5°	8.4	8.4	8.4	9.0	10.3	10.9	10.3	9.0	7.7	7.7	7.7
130°	8.4	8.4	7.7	8.4	9.0	9.6	9.0	8.4	7.7	7.1	7.7
132.5°	7.7	7.7	7.7	7.7	8.4	8.4	8.4	7.7	7.1	7.1	7.1
135°	7.1	7.1	6.4	6.4	7.1	7.7	7.1	6.4	6.4	6.4	6.4
137.5°	6.4	5.8	5.8	5.8	6.4	6.4	6.4	5.8	5.8	5.8	5.8
140°	5.1	5.1	5.1	5.1	5.1	5.8	5.1	4.5	4.5	5.1	5.1
142.5°	4.5	4.5	4.5	3.9	4.5	4.5	4.5	3.9	3.9	3.9	3.9
145°	3.9	3.9	3.9	3.2	3.9	3.9	3.9	3.2	3.2	3.2	3.2
147.5°	2.6	3.2	2.6	2.6	3.2	3.2	2.6	2.6	2.6	2.6	2.6
150°	1.9	1.9	1.9	1.9	2.6	2.6	1.9	1.9	1.9	1.9	1.9
152.5°	1.3	1.3	1.9	1.9	1.9	1.9	1.9	1.9	1.3	1.3	1.3
155°	1.3	1.3	1.3	1.3	1.9	1.9	1.3	1.3	1.3	0.6	0.6
157.5°	0.6	0.6	0.6	0.6	1.3	1.9	1.3	0.6	0.6	0.6	0.6
160°	0.0	0.0	0.0	0.6	1.3	1.9	1.3	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)