

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: P415488

Luminaire Tested: **LXF.LXT-PA1-50-740-U-5WQ-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415488
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-PA1-50-740-U-5WQ-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 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: 6478 lumens
Efficiency: N/A
Efficacy: 120.0 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): 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

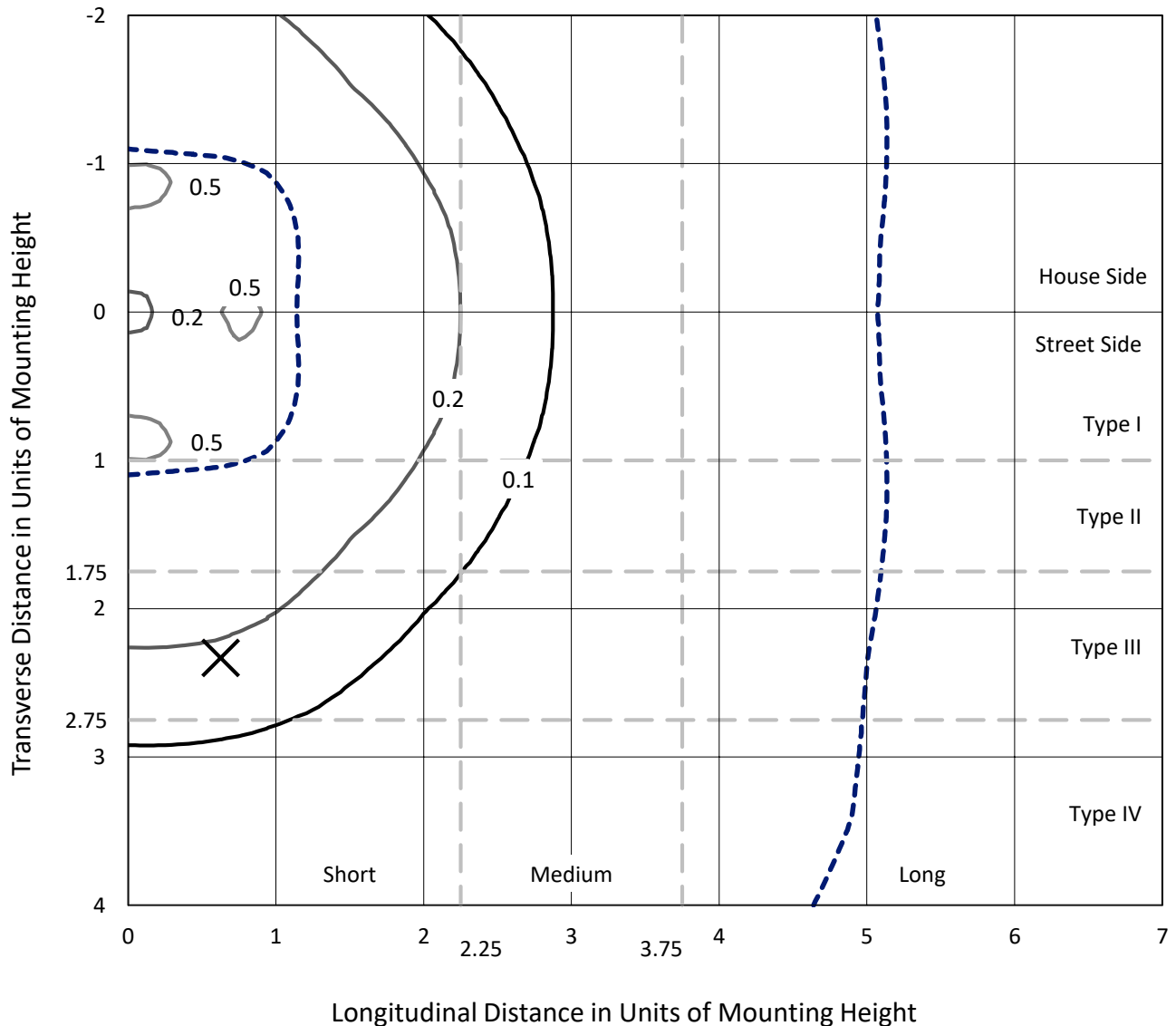


REPORT NUMBER: P415488

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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

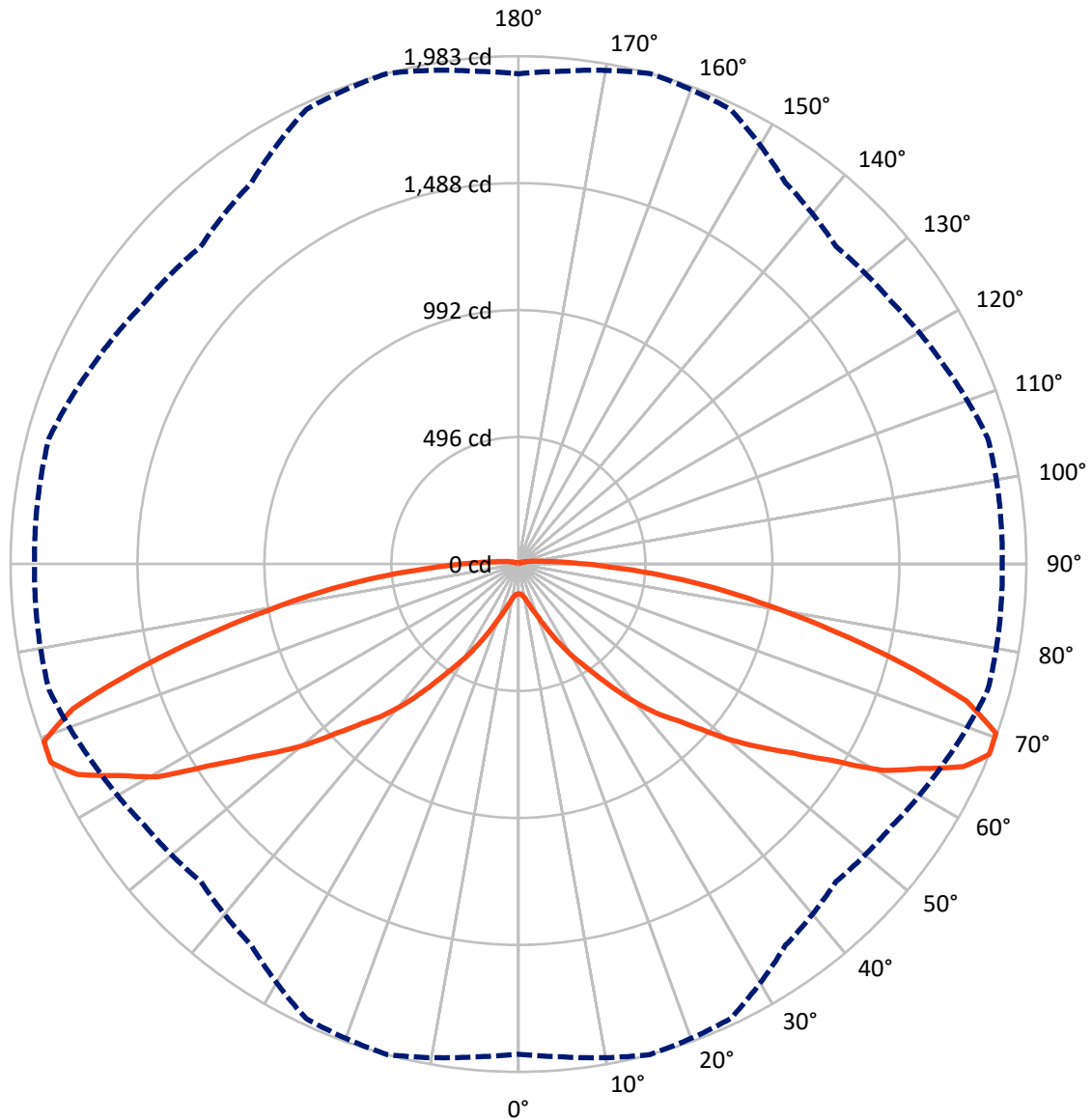


Based on 25 foot mounting height. Maximum calculated value = 0.5 fc
 Type V - Short - Non-Cutoff

REPORT NUMBER: P415488

CATALOG NUMBER: LXF.LXT-PA1-50-740-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	3111.2	127.8	3239.0
	% Fixture	48.0	2.0	50.0
Street Side	Lumens	3111.2	127.8	3239.0
	% Fixture	48.0	2.0	50.0
Total	Lumens	6222.3	255.7	6478.0
	% Fixture	96.1	3.9	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.8	0.2
10°-20°	48.4	0.7
20°-30°	139.5	2.2
30°-40°	328.4	5.1
40°-50°	619.1	9.6
50°-60°	1104.2	17.0
60°-70°	1745.6	26.9
70°-80°	1538.0	23.7
80°-90°	687.4	10.6
90°-100°	170.7	2.6
100°-110°	47.0	0.7
110°-120°	18.9	0.3
120°-130°	10.0	0.2
130°-140°	5.9	0.1
140°-150°	2.5	0.0
150°-160°	0.7	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6222.3	96.1
0°-180°	6478.0	100.0



REPORT NUMBER: P415488

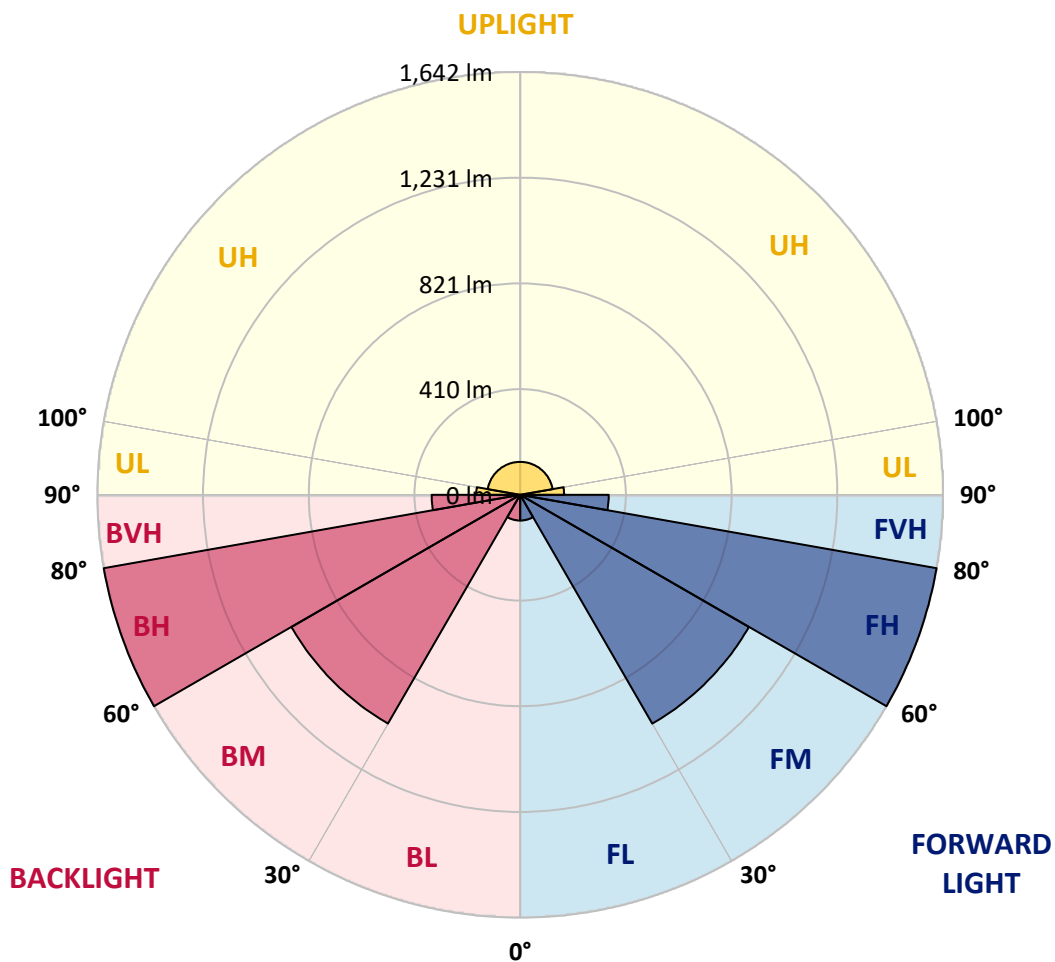
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	99.8	1.5			
FM (30°-60°)	1025.8	15.8			
FH (60°-80°)	1641.8	25.3			G1/1800
FVH (80°-90°)	343.7	5.3			G3/500
BL (0°-30°)	99.8	1.5	B0/110		
BM (30°-60°)	1025.8	15.8	B2/2500		
BH (60°-80°)	1641.8	25.3	B3/2500		G1/1800
BVH (80°-90°)	343.7	5.3			G3/500
UL (90°-100°)	170.7	2.6		U3/500	
UH (100°-180°)	127.8	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°	116.5	116.5	116.5	116.5	116.5	116.5	116.5	116.5	116.5	116.5	116.5
2.5°	116.5	116.5	117.2	117.2	117.9	118.6	117.9	117.2	116.5	115.8	115.8
5°	120.0	120.0	120.0	120.0	120.7	120.7	120.0	118.6	117.9	117.2	117.2
7.5°	125.7	125.7	125.7	125.7	125.7	125.0	123.6	122.2	121.4	120.7	120.7
10°	134.9	134.9	133.4	133.4	132.7	132.0	130.6	129.2	127.8	128.5	128.5
12.5°	150.4	151.1	149.0	145.5	142.6	141.2	140.5	140.5	142.6	142.6	143.3
15°	173.0	173.0	169.5	164.5	158.9	154.6	156.0	159.6	163.1	165.2	165.2
17.5°	197.7	197.7	194.2	187.8	180.0	177.9	177.2	180.8	188.5	191.3	192.1
20°	228.8	228.8	222.4	213.2	206.2	203.4	203.4	209.0	217.5	223.8	223.1
22.5°	271.1	270.4	261.2	245.7	236.5	232.3	231.6	239.4	254.2	264.1	266.9
25°	322.0	321.3	309.3	288.8	274.7	263.4	266.2	279.6	302.2	317.7	317.7
27.5°	379.9	377.0	361.5	338.9	317.7	302.9	307.1	326.2	354.5	375.6	376.3
30°	436.4	436.4	419.4	392.6	364.3	346.0	350.9	377.8	411.6	444.8	445.5
32.5°	496.4	495.7	474.5	447.7	413.1	392.6	400.3	433.5	481.5	519.7	526.7
35°	573.3	574.0	544.4	507.7	463.9	441.3	451.9	495.0	552.2	598.0	602.3
37.5°	655.9	660.2	627.7	580.4	521.8	494.3	509.8	559.9	626.3	674.3	674.3
40°	744.9	747.0	717.4	657.4	586.8	550.7	571.2	624.9	675.7	716.7	718.8
42.5°	820.5	822.6	799.3	740.7	661.6	618.5	630.5	671.5	719.5	765.4	769.6
45°	879.8	886.8	872.7	822.6	742.1	689.8	688.4	730.1	788.0	836.0	841.6
47.5°	987.1	990.6	965.9	906.6	824.7	767.5	761.9	803.5	879.1	930.6	934.1
50°	1081.7	1092.3	1083.1	1019.6	922.1	852.9	853.6	908.7	990.6	1042.9	1047.8
52.5°	1188.3	1193.3	1190.4	1136.1	1041.5	959.6	968.7	1030.9	1119.1	1151.6	1157.3
55°	1285.8	1293.5	1303.4	1263.2	1169.3	1097.2	1105.7	1172.1	1231.4	1262.5	1265.3
57.5°	1440.4	1448.2	1447.5	1388.1	1307.7	1237.8	1251.9	1304.1	1381.8	1434.7	1443.9
60°	1608.4	1619.7	1637.4	1560.4	1439.7	1391.0	1408.6	1484.2	1572.4	1580.2	1590.1
62.5°	1720.7	1726.4	1759.5	1734.1	1593.6	1535.0	1581.6	1645.9	1691.8	1698.8	1696.0
65°	1867.6	1885.9	1909.2	1850.6	1737.7	1657.2	1710.8	1758.8	1841.4	1848.5	1847.1
67.5°	1914.2	1931.8	1983.4	1959.4	1818.1	1753.9	1781.4	1834.4	1897.9	1892.3	1889.5
70°	1917.7	1934.7	1978.4	1965.7	1836.5	1747.5	1775.8	1796.3	1854.9	1855.6	1847.8
72.5°	1725.7	1755.3	1830.2	1852.7	1739.8	1648.7	1650.8	1650.1	1654.3	1607.7	1589.4
75°	1453.8	1475.0	1548.4	1602.8	1544.9	1466.5	1465.1	1405.8	1393.1	1357.8	1345.1
77.5°	1164.3	1190.4	1261.1	1320.4	1299.9	1257.5	1235.6	1168.6	1150.2	1110.0	1114.9
80°	905.2	925.7	995.6	1072.5	1078.2	1048.5	1024.5	969.4	933.4	899.5	884.7
82.5°	696.9	714.6	774.6	857.9	892.5	889.0	855.1	792.9	760.4	728.0	708.9
85°	481.5	497.1	556.4	657.4	719.5	741.4	703.3	624.9	567.0	521.1	510.5
87.5°	310.7	317.7	365.0	452.6	545.8	597.3	557.1	459.0	386.2	349.5	337.5
90°	194.2	204.8	238.7	293.0	384.1	449.8	408.8	309.3	257.0	219.6	211.8
92.5°	134.9	133.4	156.7	194.9	262.0	315.6	280.3	204.8	162.4	137.7	132.7
95°	89.0	92.5	105.2	129.2	177.2	210.4	185.0	136.3	106.6	89.0	86.8
97.5°	66.4	67.1	77.0	91.8	120.7	138.4	122.9	94.6	75.6	64.3	63.5
100°	52.2	53.0	60.0	68.5	84.7	96.0	86.1	71.3	58.6	50.1	50.1
102.5°	41.0	41.7	46.6	53.7	64.3	71.3	65.7	55.1	45.9	39.5	38.8
105°	32.5	32.5	36.7	42.4	50.1	55.1	51.5	43.1	35.3	31.1	31.1
107.5°	25.4	26.1	28.9	33.2	40.2	45.2	41.0	33.2	27.5	24.0	24.0
110°	20.5	20.5	22.6	26.8	32.5	36.7	33.2	26.8	21.9	19.8	19.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	16.9	16.9	18.4	21.9	26.8	30.4	26.8	21.9	17.7	16.2	16.2
115°	14.1	14.1	15.5	17.7	22.6	24.7	22.6	17.7	14.8	13.4	13.4
117.5°	12.7	12.7	13.4	15.5	19.1	20.5	19.1	14.8	12.7	12.0	12.0
120°	11.3	11.3	12.0	13.4	16.2	17.7	16.2	13.4	11.3	10.6	10.6
122.5°	10.6	10.6	10.6	12.0	14.8	15.5	14.1	12.0	9.9	9.9	9.9
125°	9.9	9.9	9.9	10.6	12.7	13.4	12.7	10.6	9.2	9.2	9.2
127.5°	9.2	9.2	9.2	9.9	11.3	12.0	11.3	9.9	8.5	8.5	8.5
130°	9.2	9.2	8.5	9.2	9.9	10.6	9.9	9.2	8.5	7.8	8.5
132.5°	8.5	8.5	8.5	8.5	9.2	9.2	9.2	8.5	7.8	7.8	7.8
135°	7.8	7.8	7.1	7.1	7.8	8.5	7.8	7.1	7.1	7.1	7.1
137.5°	7.1	6.4	6.4	6.4	7.1	7.1	7.1	6.4	6.4	6.4	6.4
140°	5.6	5.6	5.6	5.6	5.6	6.4	5.6	4.9	4.9	5.6	5.6
142.5°	4.9	4.9	4.9	4.2	4.9	4.9	4.9	4.2	4.2	4.2	4.2
145°	4.2	4.2	4.2	3.5	4.2	4.2	4.2	3.5	3.5	3.5	3.5
147.5°	2.8	3.5	2.8	2.8	3.5	3.5	2.8	2.8	2.8	2.8	2.8
150°	2.1	2.1	2.1	2.1	2.8	2.8	2.1	2.1	2.1	2.1	2.1
152.5°	1.4	1.4	2.1	2.1	2.1	2.1	2.1	2.1	1.4	1.4	1.4
155°	1.4	1.4	1.4	1.4	2.1	2.1	1.4	1.4	1.4	0.7	0.7
157.5°	0.7	0.7	0.7	0.7	1.4	2.1	1.4	0.7	0.7	0.7	0.7
160°	0.0	0.0	0.0	0.7	1.4	2.1	1.4	0.7	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)