

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: P416320

Luminaire Tested: **LXF.LXT-PA1-70-740-U-5WQ-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416320
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-PA1-70-740-U-5WQ-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 930mA 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: 8394 lumens
Efficiency: N/A
Efficacy: 113.4 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): 74
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

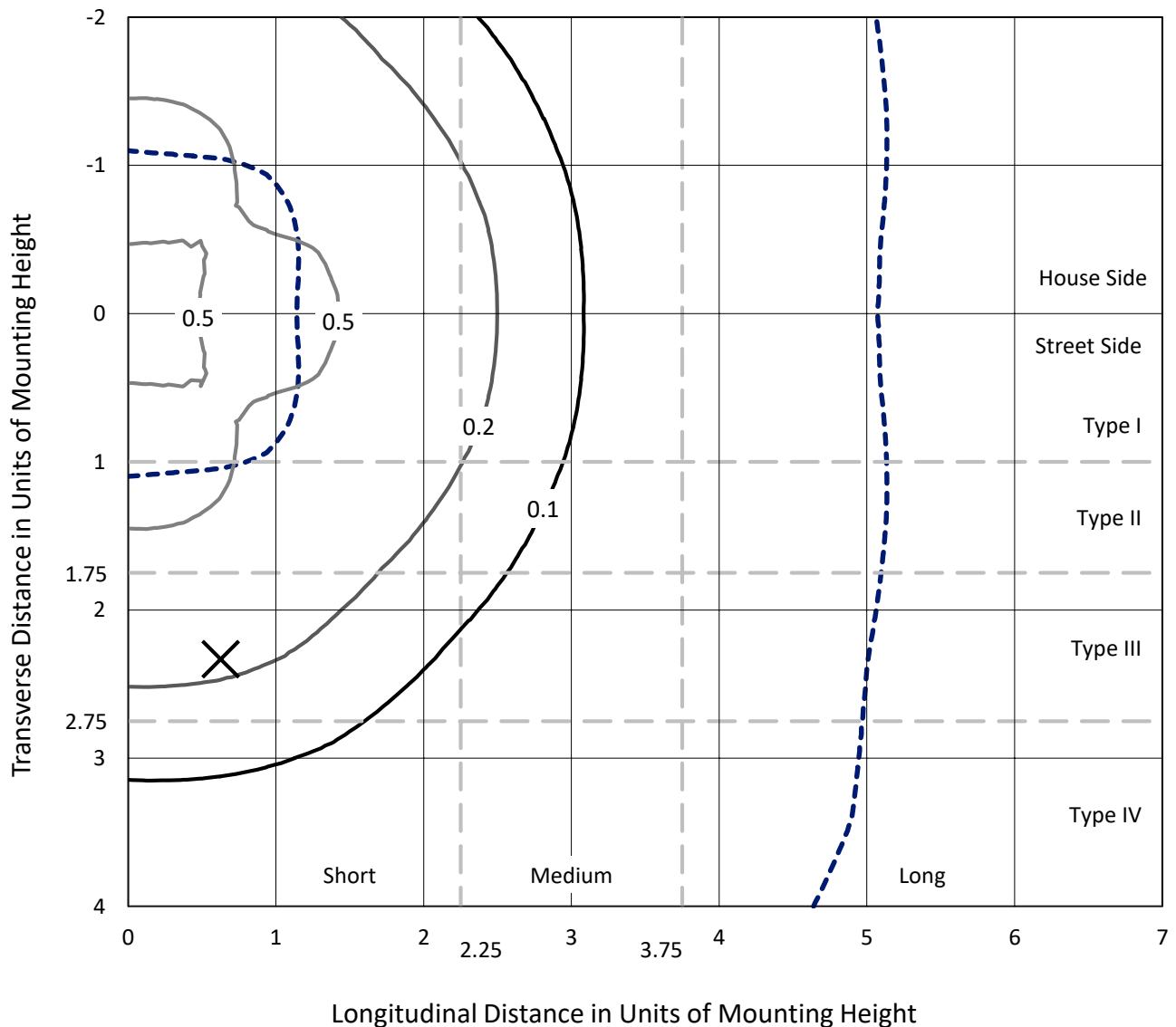


REPORT NUMBER: P416320

CATALOG NUMBER: LXF.LXT-PA1-70-740-U-5WQ-A

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

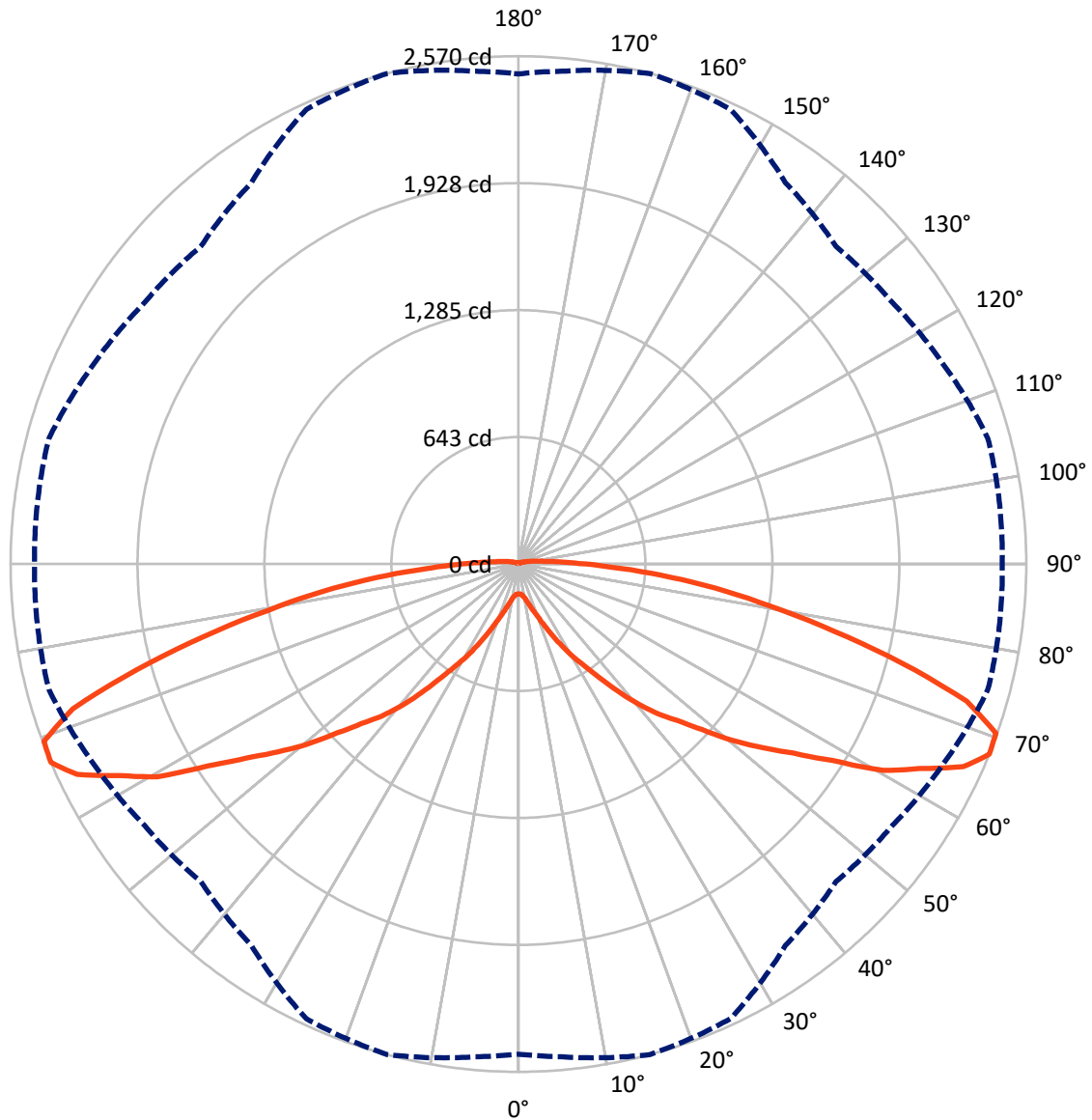


Based on 25 foot mounting height. Maximum calculated value = 0.7 fc
 Type V - Short - Non-Cutoff

REPORT NUMBER: P416320

CATALOG NUMBER: LXF.LXT-PA1-70-740-U-5WQ-A

Luminous Intensity Polar Plot



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

REPORT NUMBER: P416320

CATALOG NUMBER: LXF.LXT-PA1-70-740-U-5WQ-A

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4031.4	165.6	4197.0
	% Fixture	48.0	2.0	50.0
Street Side	Lumens	4031.4	165.6	4197.0
	% Fixture	48.0	2.0	50.0
Total	Lumens	8062.7	331.3	8394.0
	% Fixture	96.1	3.9	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.3	0.2
10°-20°	62.7	0.7
20°-30°	180.7	2.2
30°-40°	425.6	5.1
40°-50°	802.2	9.6
50°-60°	1430.7	17.0
60°-70°	2261.9	26.9
70°-80°	1992.9	23.7
80°-90°	890.8	10.6
90°-100°	221.2	2.6
100°-110°	60.9	0.7
110°-120°	24.5	0.3
120°-130°	13.0	0.2
130°-140°	7.6	0.1
140°-150°	3.2	0.0
150°-160°	0.9	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	8062.7	96.1
0°-180°	8394.0	100.0



REPORT NUMBER: P416320

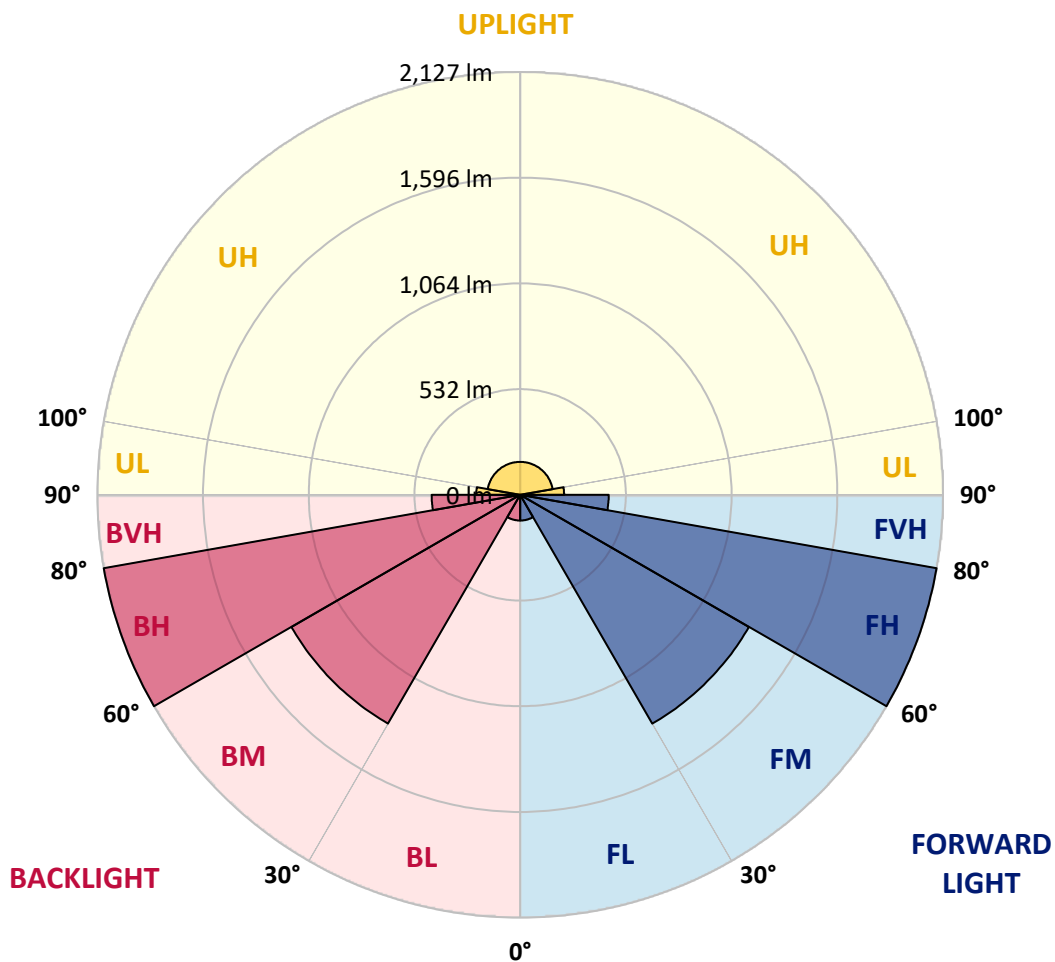
CATALOG NUMBER: LXF.LXT-PA1-70-740-U-5WQ-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	129.3	1.5			
FM (30°-60°)	1329.3	15.8			
FH (60°-80°)	2127.4	25.3			G2/5000
FVH (80°-90°)	445.4	5.3			G3/500
BL (0°-30°)	129.3	1.5	B1/500		
BM (30°-60°)	1329.3	15.8	B2/2500		
BH (60°-80°)	2127.4	25.3	B3/2500		G2/5000
BVH (80°-90°)	445.4	5.3			G3/500
UL (90°-100°)	221.2	2.6		U3/500	
UH (100°-180°)	165.6	2.0		U3/500	

BUG Rating: B3-U3-G3

Type V Short





REPORT NUMBER: P416320

CATALOG NUMBER: LXF.LXT-PA1-70-740-U-5WQ-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	151.0	151.0	151.0	151.0	151.0	151.0	151.0	151.0	151.0	151.0	151.0
2.5°	151.0	151.0	151.9	151.9	152.8	153.7	152.8	151.9	151.0	150.0	150.0
5°	155.5	155.5	155.5	155.5	156.5	156.5	155.5	153.7	152.8	151.9	151.9
7.5°	162.9	162.9	162.9	162.9	162.9	161.9	160.1	158.3	157.4	156.5	156.5
10°	174.7	174.7	172.9	172.9	172.0	171.1	169.3	167.4	165.6	166.5	166.5
12.5°	194.9	195.8	193.0	188.5	184.8	183.0	182.1	182.1	184.8	184.8	185.7
15°	224.2	224.2	219.6	213.2	205.9	200.4	202.2	206.8	211.3	214.1	214.1
17.5°	256.2	256.2	251.6	243.4	233.3	230.6	229.6	234.2	244.3	247.9	248.9
20°	296.4	296.4	288.2	276.3	267.2	263.5	263.5	270.8	281.8	290.0	289.1
22.5°	351.3	350.4	338.5	318.4	306.5	301.0	300.1	310.2	329.4	342.2	345.8
25°	417.2	416.3	400.7	374.2	355.9	341.3	344.9	362.3	391.6	411.7	411.7
27.5°	492.2	488.6	468.4	439.2	411.7	392.5	398.0	422.7	459.3	486.7	487.6
30°	565.4	565.4	543.5	508.7	472.1	448.3	454.7	489.5	533.4	576.4	577.3
32.5°	643.2	642.3	614.8	580.1	535.2	508.7	518.8	561.8	624.0	673.4	682.5
35°	742.9	743.8	705.4	657.8	601.1	571.8	585.5	641.4	715.5	774.9	780.4
37.5°	850.0	855.4	813.4	752.1	676.1	640.4	660.6	725.5	811.5	873.7	873.7
40°	965.2	968.0	929.6	851.8	760.3	713.6	740.2	809.7	875.6	928.6	931.4
42.5°	1063.1	1065.9	1035.7	959.7	857.3	801.5	817.0	870.1	932.3	991.8	997.3
45°	1140.0	1149.1	1130.8	1065.9	961.6	893.9	892.0	946.0	1021.0	1083.3	1090.6
47.5°	1279.0	1283.6	1251.6	1174.7	1068.6	994.5	987.2	1041.2	1139.1	1205.9	1210.4
50°	1401.6	1415.4	1403.5	1321.1	1194.9	1105.2	1106.1	1177.5	1283.6	1351.3	1357.7
52.5°	1539.8	1546.2	1542.5	1472.1	1349.5	1243.4	1255.3	1335.8	1450.1	1492.2	1499.5
55°	1666.1	1676.1	1688.9	1636.8	1515.1	1421.8	1432.8	1518.8	1595.6	1635.9	1639.5
57.5°	1866.4	1876.5	1875.6	1798.7	1694.4	1603.8	1622.1	1689.8	1790.5	1859.1	1871.0
60°	2084.2	2098.8	2121.7	2022.0	1865.5	1802.4	1825.3	1923.1	2037.5	2047.6	2060.4
62.5°	2229.6	2237.0	2280.0	2247.0	2065.0	1989.0	2049.4	2132.7	2192.1	2201.3	2197.6
65°	2419.9	2443.7	2473.9	2398.0	2251.6	2147.3	2216.8	2279.1	2386.1	2395.2	2393.4
67.5°	2480.3	2503.2	2570.0	2538.9	2355.9	2272.6	2308.3	2376.9	2459.3	2452.0	2448.3
70°	2484.9	2506.9	2563.6	2547.1	2379.7	2264.4	2301.0	2327.5	2403.5	2404.4	2394.3
72.5°	2236.0	2274.5	2371.5	2400.7	2254.3	2136.3	2139.1	2138.2	2143.6	2083.3	2059.5
75°	1883.8	1911.3	2006.4	2076.9	2001.8	1900.3	1898.4	1821.6	1805.1	1759.4	1742.9
77.5°	1508.7	1542.5	1634.0	1710.9	1684.4	1629.5	1601.1	1514.2	1490.4	1438.2	1444.6
80°	1172.9	1199.5	1290.0	1389.8	1397.1	1358.6	1327.5	1256.2	1209.5	1165.6	1146.4
82.5°	903.0	925.9	1003.7	1111.6	1156.5	1151.9	1108.0	1027.4	985.4	943.3	918.6
85°	624.0	644.1	721.0	851.8	932.3	960.7	911.3	809.7	734.7	675.2	661.5
87.5°	402.6	411.7	473.0	586.5	707.2	774.0	721.9	594.7	500.5	452.9	437.3
90°	251.6	265.3	309.2	379.7	497.7	582.8	529.7	400.7	333.0	284.5	274.5
92.5°	174.7	172.9	203.1	252.5	339.4	409.0	363.2	265.3	210.4	178.4	172.0
95°	115.3	119.9	136.3	167.4	229.6	272.6	239.7	176.6	138.2	115.3	112.5
97.5°	86.0	86.9	99.7	118.9	156.5	179.3	159.2	122.6	97.9	83.3	82.3
100°	67.7	68.6	77.8	88.7	109.8	124.4	111.6	92.4	75.9	65.0	65.0
102.5°	53.1	54.0	60.4	69.5	83.3	92.4	85.1	71.4	59.5	51.2	50.3
105°	42.1	42.1	47.6	54.9	65.0	71.4	66.8	55.8	45.7	40.3	40.3
107.5°	32.9	33.9	37.5	43.0	52.2	58.6	53.1	43.0	35.7	31.1	31.1
110°	26.5	26.5	29.3	34.8	42.1	47.6	43.0	34.8	28.4	25.6	25.6



REPORT NUMBER: P416320

CATALOG NUMBER: LXF.LXT-PA1-70-740-U-5WQ-A

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	22.0	22.0	23.8	28.4	34.8	39.3	34.8	28.4	22.9	21.0	21.0
115°	18.3	18.3	20.1	22.9	29.3	32.0	29.3	22.9	19.2	17.4	17.4
117.5°	16.5	16.5	17.4	20.1	24.7	26.5	24.7	19.2	16.5	15.6	15.6
120°	14.6	14.6	15.6	17.4	21.0	22.9	21.0	17.4	14.6	13.7	13.7
122.5°	13.7	13.7	13.7	15.6	19.2	20.1	18.3	15.6	12.8	12.8	12.8
125°	12.8	12.8	12.8	13.7	16.5	17.4	16.5	13.7	11.9	11.9	11.9
127.5°	11.9	11.9	11.9	12.8	14.6	15.6	14.6	12.8	11.0	11.0	11.0
130°	11.9	11.9	11.0	11.9	12.8	13.7	12.8	11.9	11.0	10.1	11.0
132.5°	11.0	11.0	11.0	11.0	11.9	11.9	11.9	11.0	10.1	10.1	10.1
135°	10.1	10.1	9.1	9.1	10.1	11.0	10.1	9.1	9.1	9.1	9.1
137.5°	9.1	8.2	8.2	8.2	9.1	9.1	9.1	8.2	8.2	8.2	8.2
140°	7.3	7.3	7.3	7.3	7.3	8.2	7.3	6.4	6.4	7.3	7.3
142.5°	6.4	6.4	6.4	5.5	6.4	6.4	6.4	5.5	5.5	5.5	5.5
145°	5.5	5.5	5.5	4.6	5.5	5.5	5.5	4.6	4.6	4.6	4.6
147.5°	3.7	4.6	3.7	3.7	4.6	4.6	3.7	3.7	3.7	3.7	3.7
150°	2.7	2.7	2.7	2.7	3.7	3.7	2.7	2.7	2.7	2.7	2.7
152.5°	1.8	1.8	2.7	2.7	2.7	2.7	2.7	2.7	1.8	1.8	1.8
155°	1.8	1.8	1.8	1.8	2.7	2.7	1.8	1.8	1.8	0.9	0.9
157.5°	0.9	0.9	0.9	0.9	1.8	2.7	1.8	0.9	0.9	0.9	0.9
160°	0.0	0.0	0.0	0.9	1.8	2.7	1.8	0.9	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)