

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: P416268

Luminaire Tested: **LXF.LXT-PA1-70-730-U-5WQ-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416268
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-PA1-70-730-U-5WQ-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 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: 7645 lumens
Efficiency: N/A
Efficacy: 103.3 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): 74
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

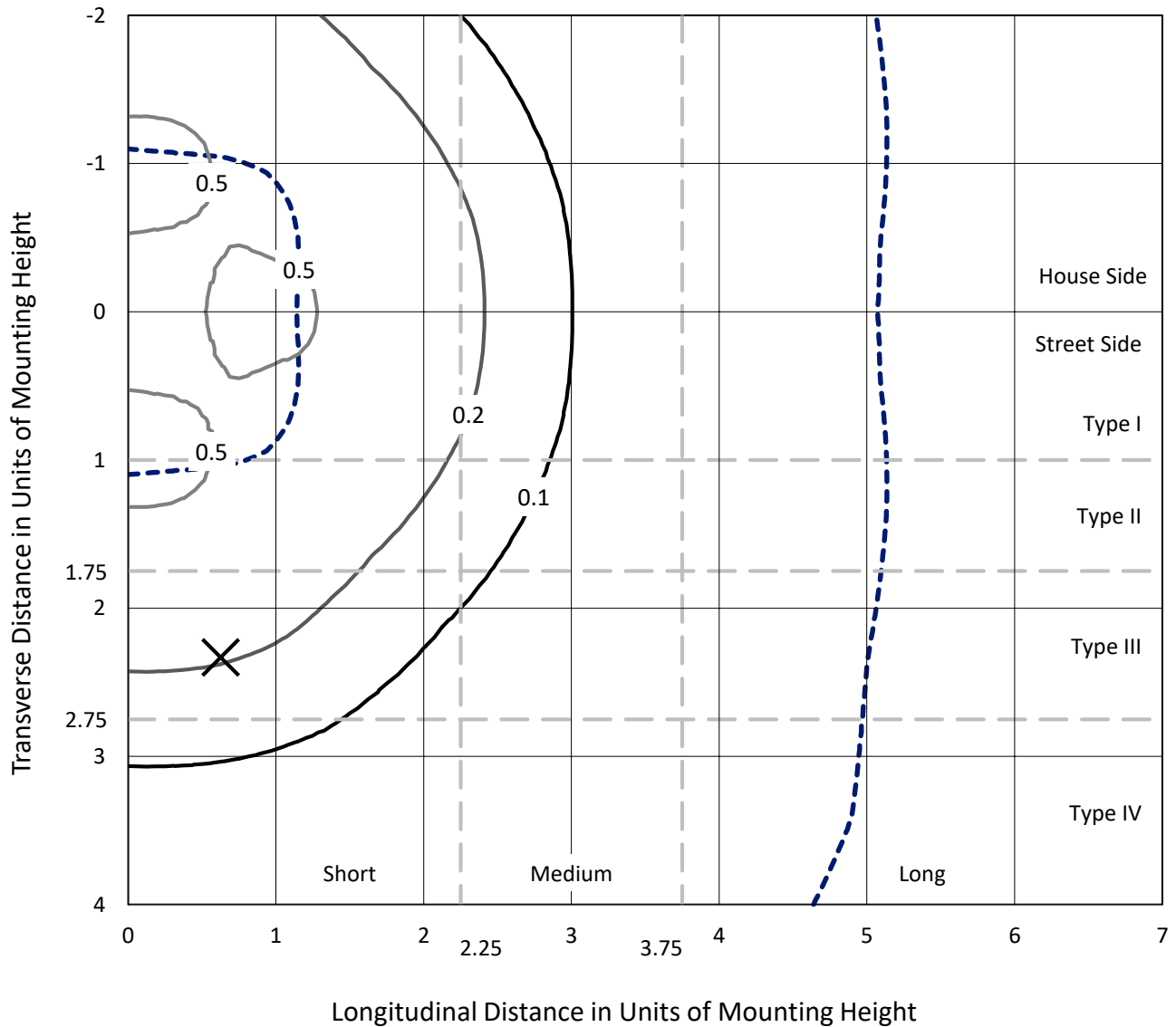


REPORT NUMBER: P416268

CATALOG NUMBER: LXF.LXT-PA1-70-730-U-5WQ-A

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

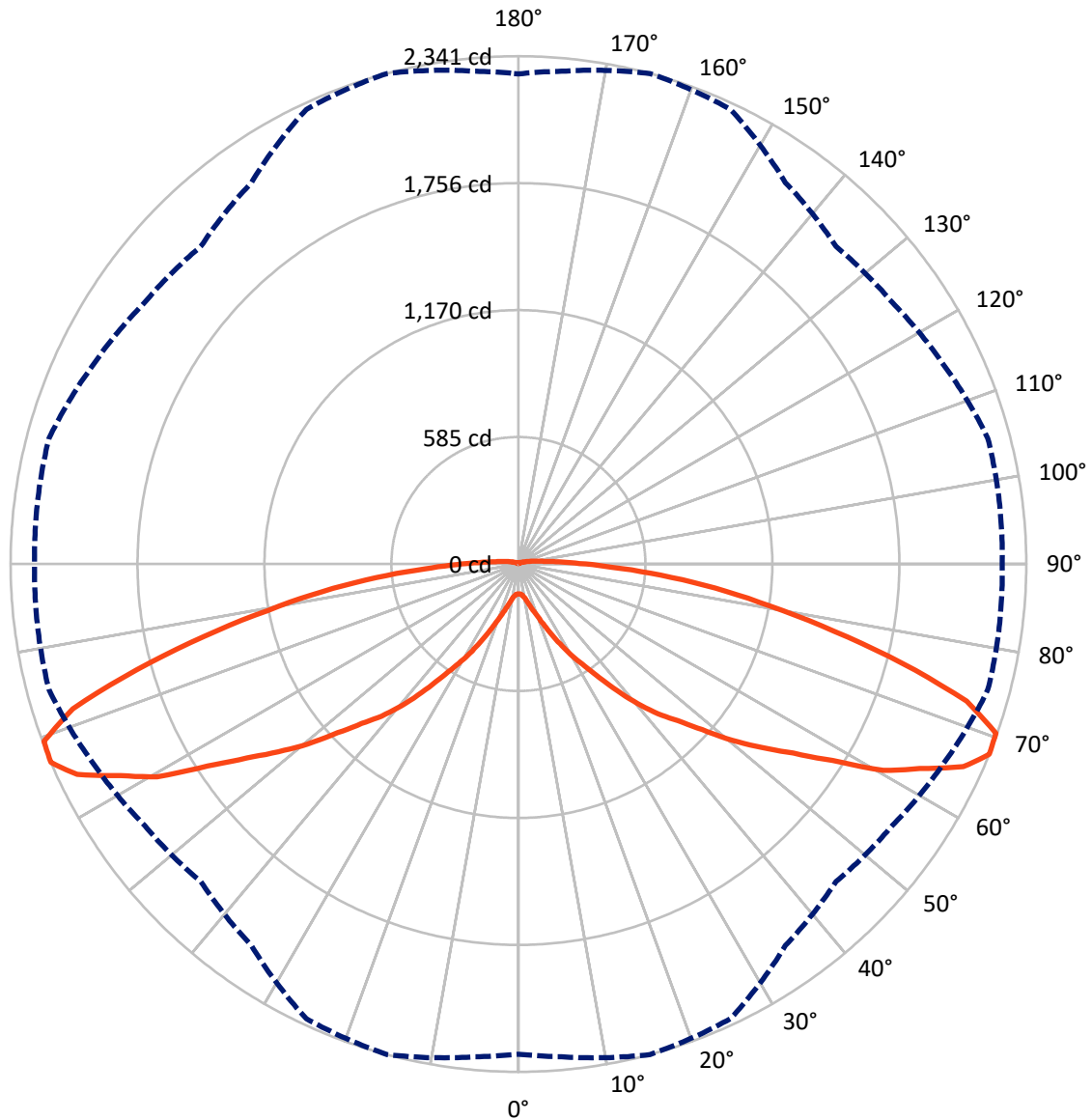


Based on 25 foot mounting height. Maximum calculated value = 0.6 fc
 Type V - Short - Non-Cutoff

REPORT NUMBER: P416268

CATALOG NUMBER: LXF.LXT-PA1-70-730-U-5WQ-A

Luminous Intensity Polar Plot



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

REPORT NUMBER: P416268

CATALOG NUMBER: LXF.LXT-PA1-70-730-U-5WQ-A

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3671.6	150.9	3822.5
	% Fixture	48.0	2.0	50.0
Street Side	Lumens	3671.6	150.9	3822.5
	% Fixture	48.0	2.0	50.0
Total	Lumens	7343.3	301.7	7645.0
	% Fixture	96.1	3.9	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.9	0.2
10°-20°	57.1	0.7
20°-30°	164.6	2.2
30°-40°	387.6	5.1
40°-50°	730.6	9.6
50°-60°	1303.1	17.0
60°-70°	2060.1	26.9
70°-80°	1815.0	23.7
80°-90°	811.3	10.6
90°-100°	201.5	2.6
100°-110°	55.5	0.7
110°-120°	22.3	0.3
120°-130°	11.8	0.2
130°-140°	6.9	0.1
140°-150°	2.9	0.0
150°-160°	0.8	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7343.3	96.1
0°-180°	7645.0	100.0



REPORT NUMBER: P416268

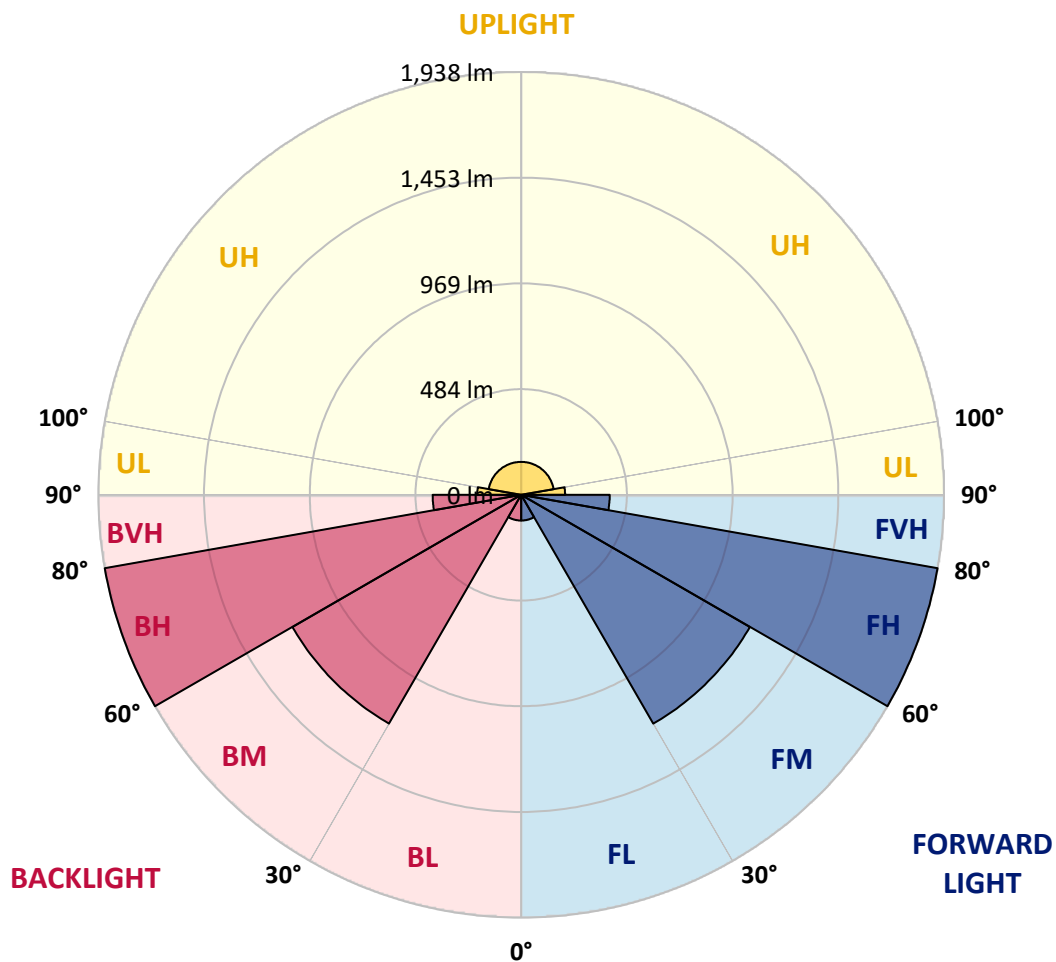
CATALOG NUMBER: LXF.LXT-PA1-70-730-U-5WQ-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	117.8	1.5			
FM (30°-60°)	1210.6	15.8			
FH (60°-80°)	1937.6	25.3			G2/5000
FVH (80°-90°)	405.6	5.3			G3/500
BL (0°-30°)	117.8	1.5	B1/500		
BM (30°-60°)	1210.6	15.8	B2/2500		
BH (60°-80°)	1937.6	25.3	B3/2500		G2/5000
BVH (80°-90°)	405.6	5.3			G3/500
UL (90°-100°)	201.5	2.6		U3/500	
UH (100°-180°)	150.9	2.0		U3/500	

BUG Rating: B3-U3-G3

Type V Short





REPORT NUMBER: P416268

CATALOG NUMBER: LXF.LXT-PA1-70-730-U-5WQ-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	137.5	137.5	137.5	137.5	137.5	137.5	137.5	137.5	137.5	137.5	137.5
2.5°	137.5	137.5	138.3	138.3	139.2	140.0	139.2	138.3	137.5	136.7	136.7
5°	141.7	141.7	141.7	141.7	142.5	142.5	141.7	140.0	139.2	138.3	138.3
7.5°	148.3	148.3	148.3	148.3	148.3	147.5	145.8	144.2	143.3	142.5	142.5
10°	159.2	159.2	157.5	157.5	156.7	155.8	154.2	152.5	150.8	151.7	151.7
12.5°	177.5	178.3	175.8	171.7	168.3	166.7	165.8	165.8	168.3	168.3	169.2
15°	204.2	204.2	200.0	194.2	187.5	182.5	184.2	188.3	192.5	195.0	195.0
17.5°	233.3	233.3	229.2	221.7	212.5	210.0	209.2	213.3	222.5	225.8	226.7
20°	270.0	270.0	262.5	251.6	243.3	240.0	240.0	246.6	256.6	264.1	263.3
22.5°	320.0	319.1	308.3	290.0	279.1	274.1	273.3	282.5	300.0	311.6	315.0
25°	380.0	379.1	365.0	340.8	324.1	310.8	314.1	330.0	356.6	375.0	375.0
27.5°	448.3	445.0	426.6	400.0	375.0	357.5	362.5	385.0	418.3	443.3	444.1
30°	515.0	515.0	495.0	463.3	430.0	408.3	414.1	445.8	485.8	525.0	525.8
32.5°	585.8	585.0	560.0	528.3	487.5	463.3	472.5	511.6	568.3	613.3	621.6
35°	676.6	677.5	642.5	599.1	547.5	520.8	533.3	584.1	651.6	705.8	710.8
37.5°	774.1	779.1	740.8	685.0	615.8	583.3	601.6	660.8	739.1	795.8	795.8
40°	879.1	881.6	846.6	775.8	692.5	650.0	674.1	737.4	797.4	845.8	848.3
42.5°	968.3	970.8	943.3	874.1	780.8	729.9	744.1	792.4	849.1	903.3	908.3
45°	1038.3	1046.6	1029.9	970.8	875.8	814.1	812.4	861.6	929.9	986.6	993.3
47.5°	1164.9	1169.1	1139.9	1069.9	973.3	905.8	899.1	948.3	1037.4	1098.3	1102.4
50°	1276.6	1289.1	1278.2	1203.3	1088.3	1006.6	1007.4	1072.4	1169.1	1230.7	1236.6
52.5°	1402.4	1408.2	1404.9	1340.7	1229.1	1132.4	1143.3	1216.6	1320.7	1359.1	1365.7
55°	1517.4	1526.6	1538.2	1490.7	1379.9	1294.9	1304.9	1383.2	1453.2	1489.9	1493.2
57.5°	1699.9	1709.0	1708.2	1638.2	1543.2	1460.7	1477.4	1539.1	1630.7	1693.2	1704.0
60°	1898.2	1911.5	1932.4	1841.5	1699.0	1641.6	1662.4	1751.5	1855.7	1864.9	1876.5
62.5°	2030.7	2037.4	2076.5	2046.5	1880.7	1811.5	1866.5	1942.4	1996.5	2004.9	2001.5
65°	2204.0	2225.7	2253.2	2184.0	2050.7	1955.7	2019.0	2075.7	2173.2	2181.5	2179.8
67.5°	2259.0	2279.8	2340.7	2312.3	2145.7	2069.9	2102.4	2164.9	2239.8	2233.2	2229.8
70°	2263.2	2283.2	2334.8	2319.8	2167.4	2062.4	2095.7	2119.9	2189.0	2189.8	2180.7
72.5°	2036.5	2071.5	2159.9	2186.5	2053.2	1945.7	1948.2	1947.4	1952.4	1897.4	1875.7
75°	1715.7	1740.7	1827.4	1891.5	1823.2	1730.7	1729.0	1659.1	1644.1	1602.4	1587.4
77.5°	1374.1	1404.9	1488.2	1558.2	1534.1	1484.1	1458.2	1379.1	1357.4	1309.9	1315.7
80°	1068.3	1092.4	1174.9	1265.7	1272.4	1237.4	1209.1	1144.1	1101.6	1061.6	1044.1
82.5°	822.4	843.3	914.1	1012.4	1053.3	1049.1	1009.1	935.8	897.4	859.1	836.6
85°	568.3	586.6	656.6	775.8	849.1	874.9	829.9	737.4	669.1	615.0	602.5
87.5°	366.6	375.0	430.8	534.1	644.1	705.0	657.5	541.6	455.8	412.5	398.3
90°	229.2	241.7	281.6	345.8	453.3	530.8	482.5	365.0	303.3	259.1	250.0
92.5°	159.2	157.5	185.0	230.0	309.1	372.5	330.8	241.7	191.7	162.5	156.7
95°	105.0	109.2	124.2	152.5	209.2	248.3	218.3	160.8	125.8	105.0	102.5
97.5°	78.3	79.2	90.8	108.3	142.5	163.3	145.0	111.7	89.2	75.8	75.0
100°	61.7	62.5	70.8	80.8	100.0	113.3	101.7	84.2	69.2	59.2	59.2
102.5°	48.3	49.2	55.0	63.3	75.8	84.2	77.5	65.0	54.2	46.7	45.8
105°	38.3	38.3	43.3	50.0	59.2	65.0	60.8	50.8	41.7	36.7	36.7
107.5°	30.0	30.8	34.2	39.2	47.5	53.3	48.3	39.2	32.5	28.3	28.3
110°	24.2	24.2	26.7	31.7	38.3	43.3	39.2	31.7	25.8	23.3	23.3



REPORT NUMBER: P416268

CATALOG NUMBER: LXF.LXT-PA1-70-730-U-5WQ-A

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	20.0	20.0	21.7	25.8	31.7	35.8	31.7	25.8	20.8	19.2	19.2
115°	16.7	16.7	18.3	20.8	26.7	29.2	26.7	20.8	17.5	15.8	15.8
117.5°	15.0	15.0	15.8	18.3	22.5	24.2	22.5	17.5	15.0	14.2	14.2
120°	13.3	13.3	14.2	15.8	19.2	20.8	19.2	15.8	13.3	12.5	12.5
122.5°	12.5	12.5	12.5	14.2	17.5	18.3	16.7	14.2	11.7	11.7	11.7
125°	11.7	11.7	11.7	12.5	15.0	15.8	15.0	12.5	10.8	10.8	10.8
127.5°	10.8	10.8	10.8	11.7	13.3	14.2	13.3	11.7	10.0	10.0	10.0
130°	10.8	10.8	10.0	10.8	11.7	12.5	11.7	10.8	10.0	9.2	10.0
132.5°	10.0	10.0	10.0	10.0	10.8	10.8	10.8	10.0	9.2	9.2	9.2
135°	9.2	9.2	8.3	8.3	9.2	10.0	9.2	8.3	8.3	8.3	8.3
137.5°	8.3	7.5	7.5	7.5	8.3	8.3	8.3	7.5	7.5	7.5	7.5
140°	6.7	6.7	6.7	6.7	6.7	7.5	6.7	5.8	5.8	6.7	6.7
142.5°	5.8	5.8	5.8	5.0	5.8	5.8	5.8	5.0	5.0	5.0	5.0
145°	5.0	5.0	5.0	4.2	5.0	5.0	5.0	4.2	4.2	4.2	4.2
147.5°	3.3	4.2	3.3	3.3	4.2	4.2	3.3	3.3	3.3	3.3	3.3
150°	2.5	2.5	2.5	2.5	3.3	3.3	2.5	2.5	2.5	2.5	2.5
152.5°	1.7	1.7	2.5	2.5	2.5	2.5	2.5	2.5	1.7	1.7	1.7
155°	1.7	1.7	1.7	1.7	2.5	2.5	1.7	1.7	1.7	0.8	0.8
157.5°	0.8	0.8	0.8	0.8	1.7	2.5	1.7	0.8	0.8	0.8	0.8
160°	0.0	0.0	0.0	0.8	1.7	2.5	1.7	0.8	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)