

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: P694492

Luminaire Tested: **LXF.LXT-PA16-20-727-U-5WQ-CL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694492
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-3)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-20-727-U-5WQ-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 420mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS
AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2580.9 lumens
Efficiency: N/A
Efficacy: 118.4 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type V - Short
BUG Rating: B2 - U3 - G1

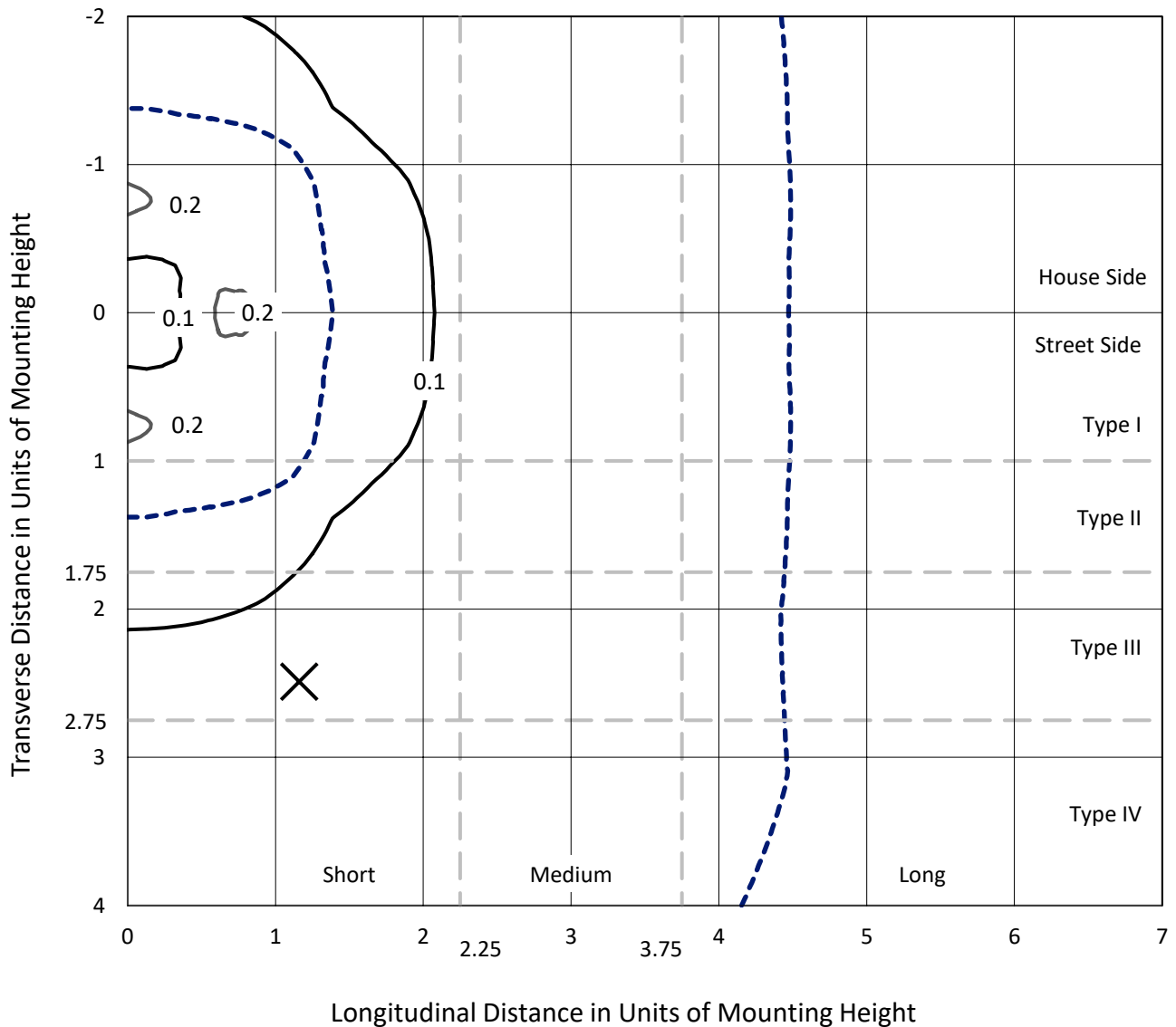
Input Watts (W): 21.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

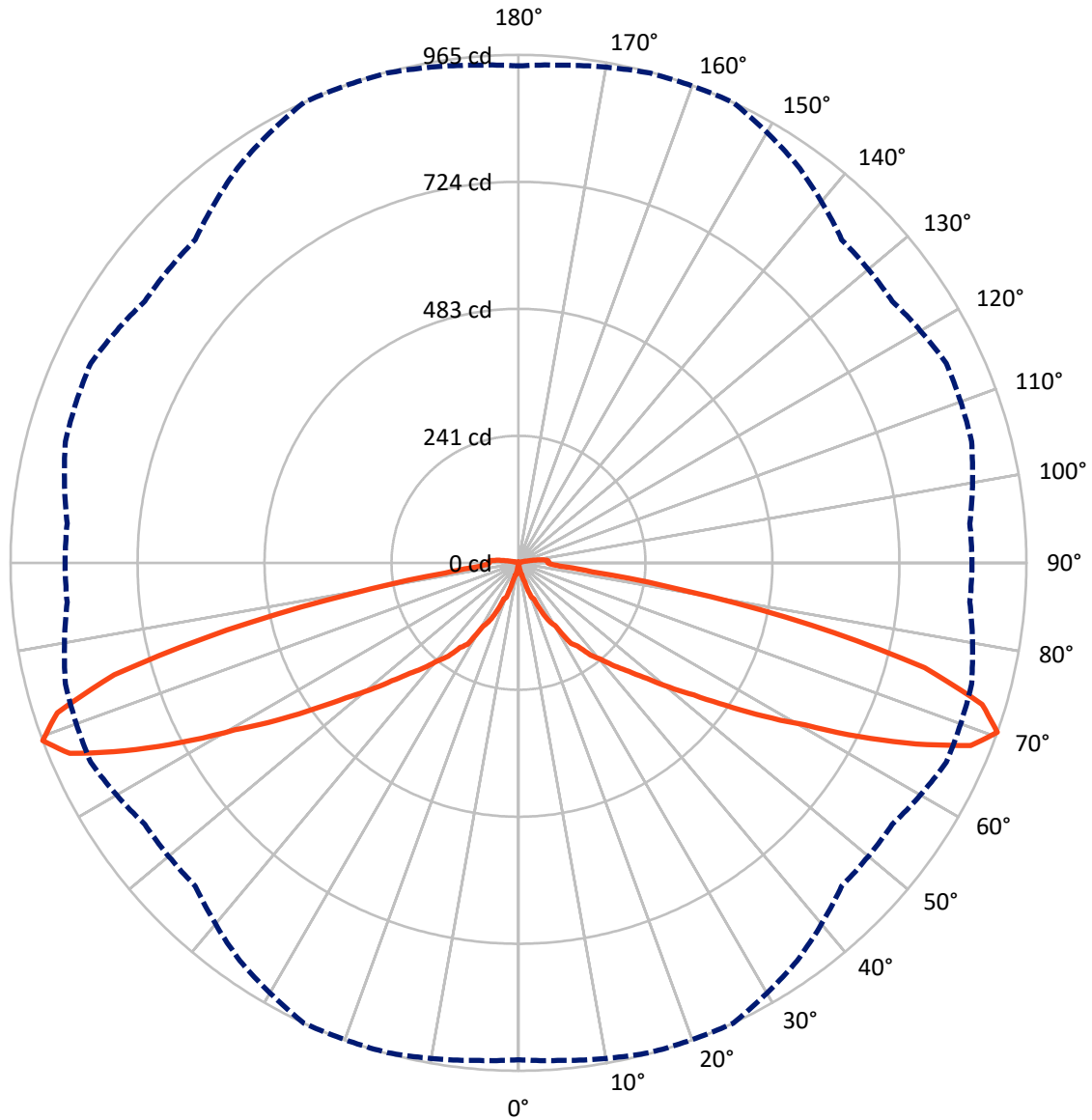
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 25-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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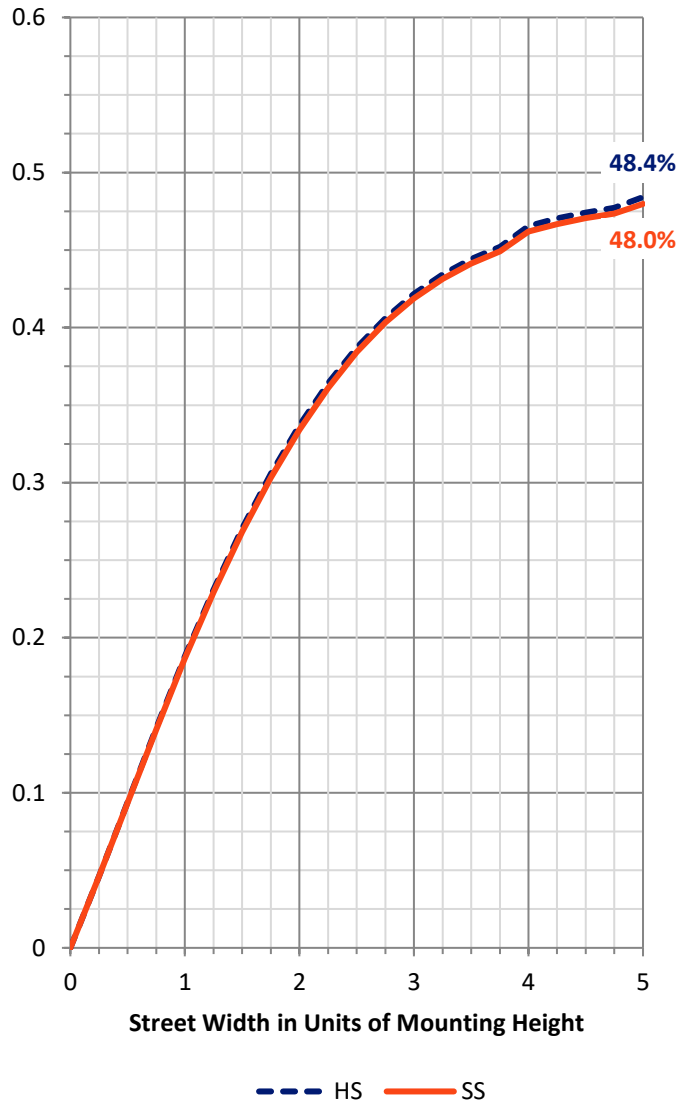
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1258.2	32.2	1290.5
	% Fixture	48.8	1.2	50.0
Street Side	Lumens	1258.2	32.2	1290.5
	% Fixture	48.8	1.2	50.0
Total	Lumens	2516.5	64.4	2580.9
	% Fixture	97.5	2.5	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.2	0.0
10°-20°	9.8	0.4
20°-30°	51.6	2.0
30°-40°	129.8	5.0
40°-50°	236.4	9.2
50°-60°	431.0	16.7
60°-70°	779.8	30.2
70°-80°	742.6	28.8
80°-90°	135.3	5.2
90°-100°	52.3	2.0
100°-110°	7.6	0.3
110°-120°	2.0	0.1
120°-130°	1.2	0.0
130°-140°	0.7	0.0
140°-150°	0.5	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2516.5	97.5
0°-180°	2580.9	100.0

Coefficient of Utilization



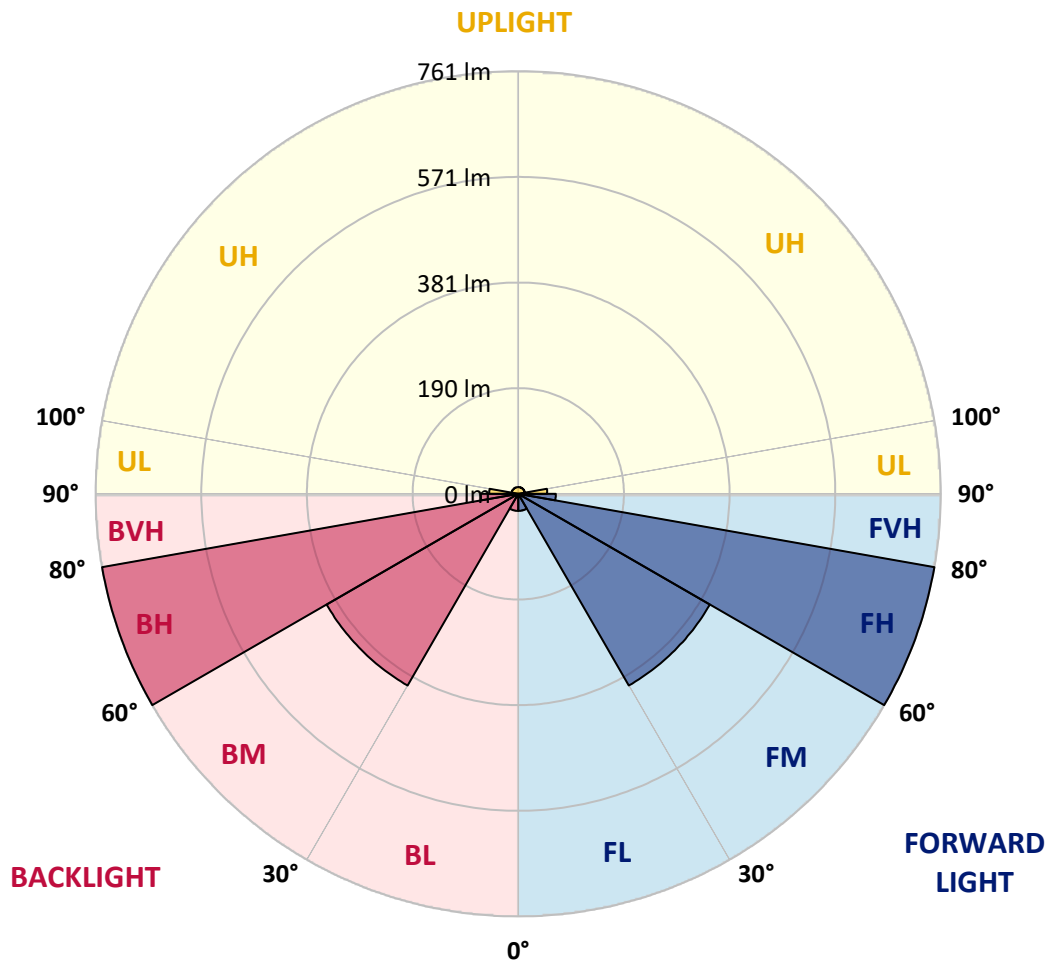
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	30.8	1.2			
FM (30°-60°)	398.6	15.4			
FH (60°-80°)	761.2	29.5			G1/1800
FVH (80°-90°)	67.6	2.6			G1/100
BL (0°-30°)	30.8	1.2	B0/110		
BM (30°-60°)	398.6	15.4	B1/1000		
BH (60°-80°)	761.2	29.5	B2/1000		G1/1800
BVH (80°-90°)	67.6	2.6			G1/100
UL (90°-100°)	52.3	2.0		U3/500	
UH (100°-180°)	12.1	0.5		U2/50	

BUG Rating: B2-U3-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
2.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
7.5°	1.7	1.7	1.7	0.8	1.7	0.8	1.7	0.8	0.8	1.7	1.7
10°	17.7	15.1	7.6	5.0	2.5	1.7	1.7	1.7	1.7	1.7	1.7
12.5°	23.5	23.5	22.7	21.9	18.5	5.0	2.5	5.0	8.4	17.7	19.3
15°	28.6	28.6	26.1	24.4	22.7	19.3	18.5	34.5	41.2	43.7	45.4
17.5°	69.8	69.8	63.9	40.4	26.1	36.2	49.6	45.4	47.9	48.8	49.6
20°	75.7	74.8	72.3	69.8	57.2	53.0	57.2	53.8	70.6	76.5	84.1
22.5°	99.2	93.3	82.4	74.0	79.9	71.5	66.4	91.7	97.5	101.7	102.6
25°	130.3	129.5	126.1	105.1	91.7	89.1	94.2	106.8	109.3	116.0	117.7
27.5°	138.7	139.6	132.9	126.1	121.9	111.0	116.9	130.3	151.3	159.8	160.6
30°	194.2	192.6	185.0	140.4	136.2	131.2	138.7	153.9	161.4	170.7	172.4
32.5°	203.5	201.0	198.4	182.5	152.2	149.7	158.9	166.5	203.5	228.7	229.5
35°	239.6	239.6	230.4	195.1	187.5	168.2	174.9	205.2	231.2	242.2	242.2
37.5°	259.0	257.3	249.7	222.0	195.9	187.5	198.4	219.5	245.5	259.0	259.0
40°	280.8	279.2	270.7	241.3	222.8	205.2	220.3	241.3	270.7	282.5	282.5
42.5°	306.9	305.2	296.0	268.2	243.0	227.0	239.6	269.9	296.0	303.5	306.9
45°	338.0	335.5	327.1	294.3	267.4	247.2	259.0	297.7	324.6	338.9	337.2
47.5°	374.2	370.8	361.6	328.8	299.3	273.3	287.6	333.8	364.9	374.2	376.7
50°	411.2	409.5	405.3	371.6	333.8	308.6	327.1	375.9	406.1	411.2	412.8
52.5°	452.4	448.2	449.0	417.1	380.9	354.0	375.9	412.8	452.4	451.5	450.7
55°	500.3	499.5	502.0	478.4	437.2	407.8	432.2	478.4	503.7	501.1	496.1
57.5°	556.6	556.6	563.4	549.9	510.4	480.1	496.1	545.7	560.0	550.7	548.2
60°	630.6	626.4	638.2	625.6	598.7	558.3	578.5	621.4	627.3	615.5	618.0
62.5°	723.1	721.4	728.2	727.3	695.4	648.3	669.3	708.0	714.7	704.6	708.8
65°	825.7	824.0	832.4	829.9	793.7	743.3	761.8	804.7	804.7	785.3	787.0
67.5°	909.8	909.8	922.4	926.6	877.0	813.1	825.7	875.3	871.9	847.6	848.4
70°	944.3	949.3	963.6	965.3	923.2	868.6	866.9	897.2	891.3	861.0	861.9
72.5°	885.4	887.9	913.1	921.6	912.3	887.9	861.9	842.5	828.2	807.2	807.2
75°	717.2	715.5	748.3	797.1	824.9	849.2	787.9	732.4	711.3	692.8	699.6
77.5°	455.7	448.2	485.2	568.4	644.1	715.5	648.3	566.7	512.1	477.6	472.5
80°	201.0	205.2	235.4	321.2	422.9	501.1	451.5	332.1	257.3	209.4	195.1
82.5°	89.1	90.8	103.4	141.3	235.4	294.3	249.7	152.2	105.1	93.3	92.5
85°	61.4	64.7	63.1	77.4	109.3	132.0	115.2	76.5	63.9	60.5	58.0
87.5°	56.3	57.2	53.8	58.9	72.3	67.3	67.3	54.7	46.2	50.4	49.6
90°	58.9	59.7	53.8	55.5	66.4	59.7	62.2	51.3	47.9	53.8	53.0
92.5°	59.7	63.9	58.9	57.2	66.4	65.6	62.2	53.0	52.1	58.0	57.2
95°	53.0	58.9	53.0	53.8	61.4	62.2	58.9	52.1	53.8	58.0	59.7
97.5°	32.0	34.5	34.5	39.5	42.9	45.4	43.7	37.8	32.0	30.3	28.6
100°	11.8	11.8	16.8	25.2	23.5	19.3	24.4	24.4	14.3	7.6	5.0
102.5°	5.0	5.0	10.1	14.3	10.1	6.7	10.9	15.1	9.2	5.0	4.2
105°	5.0	5.0	5.9	7.6	4.2	3.4	4.2	7.6	4.2	4.2	4.2
107.5°	4.2	4.2	3.4	3.4	2.5	2.5	2.5	2.5	3.4	4.2	5.0
110°	4.2	3.4	2.5	2.5	2.5	2.5	2.5	2.5	2.5	4.2	4.2

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	3.4	2.5	1.7	1.7	1.7	2.5	1.7	1.7	1.7	2.5	2.5
115°	2.5	2.5	1.7	1.7	1.7	1.7	1.7	1.7	1.7	2.5	2.5
117.5°	2.5	2.5	1.7	1.7	1.7	1.7	1.7	1.7	1.7	2.5	2.5
120°	2.5	2.5	1.7	0.8	0.8	0.8	1.7	1.7	1.7	2.5	2.5
122.5°	2.5	2.5	1.7	0.8	0.8	0.8	0.8	0.8	1.7	2.5	2.5
125°	2.5	2.5	1.7	0.8	0.8	0.8	0.8	0.8	1.7	2.5	2.5
127.5°	2.5	1.7	1.7	0.8	0.8	0.8	0.8	0.8	1.7	2.5	2.5
130°	1.7	1.7	0.8	0.8	0.8	0.8	0.8	0.8	1.7	1.7	1.7
132.5°	1.7	1.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.7	1.7
135°	1.7	1.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.7	1.7
137.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
140°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
142.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
145°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
147.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
150°	1.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.7	1.7
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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

(END OF REPORT)