

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: P694522

Luminaire Tested: **LXF.LXT-PA16-20-730-U-5WQ-CL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694522
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-PA16-20-730-U-5WQ-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 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: 2802.9 lumens
Efficiency: N/A
Efficacy: 128.6 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

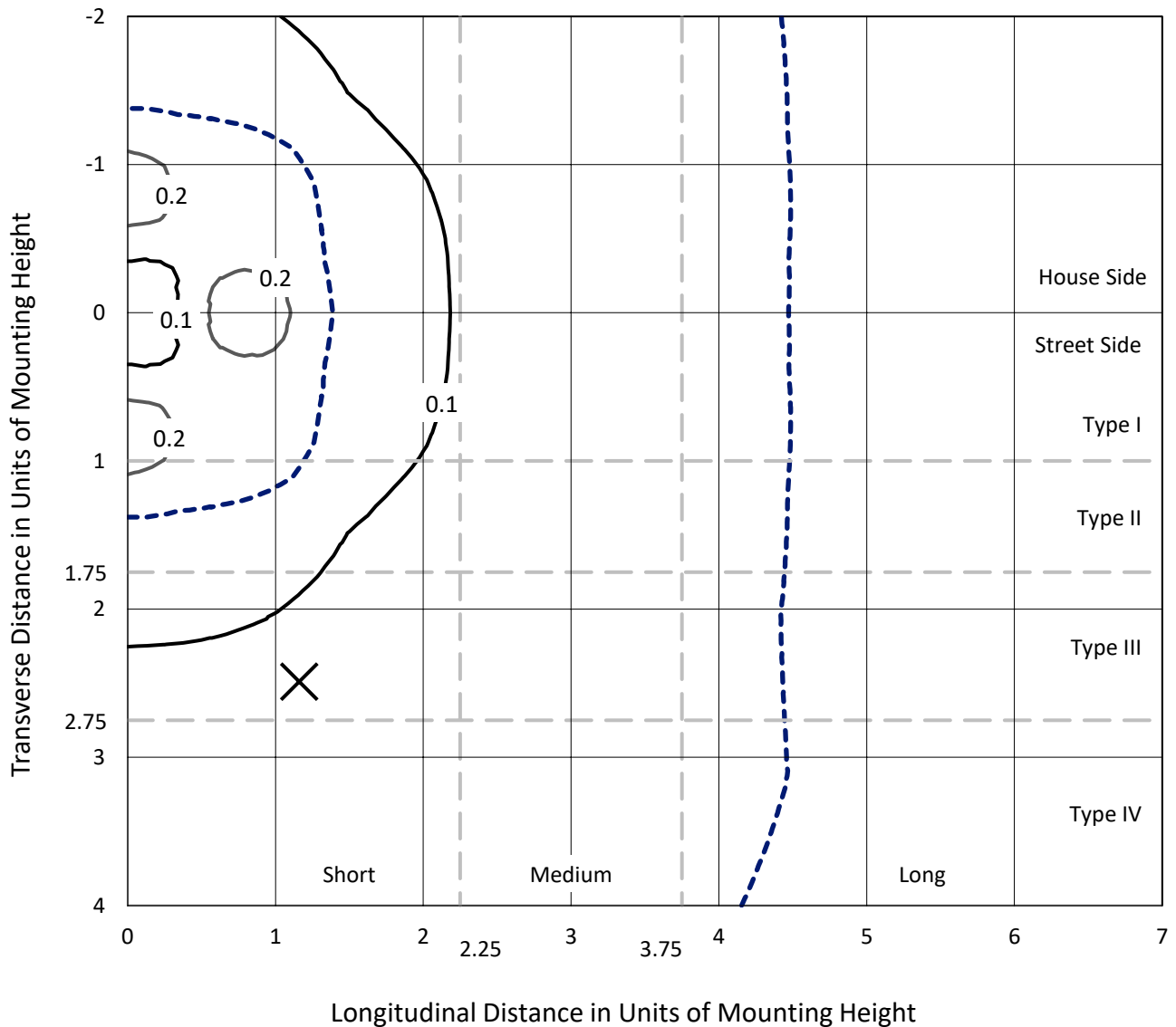
Input Watts (W): 21.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

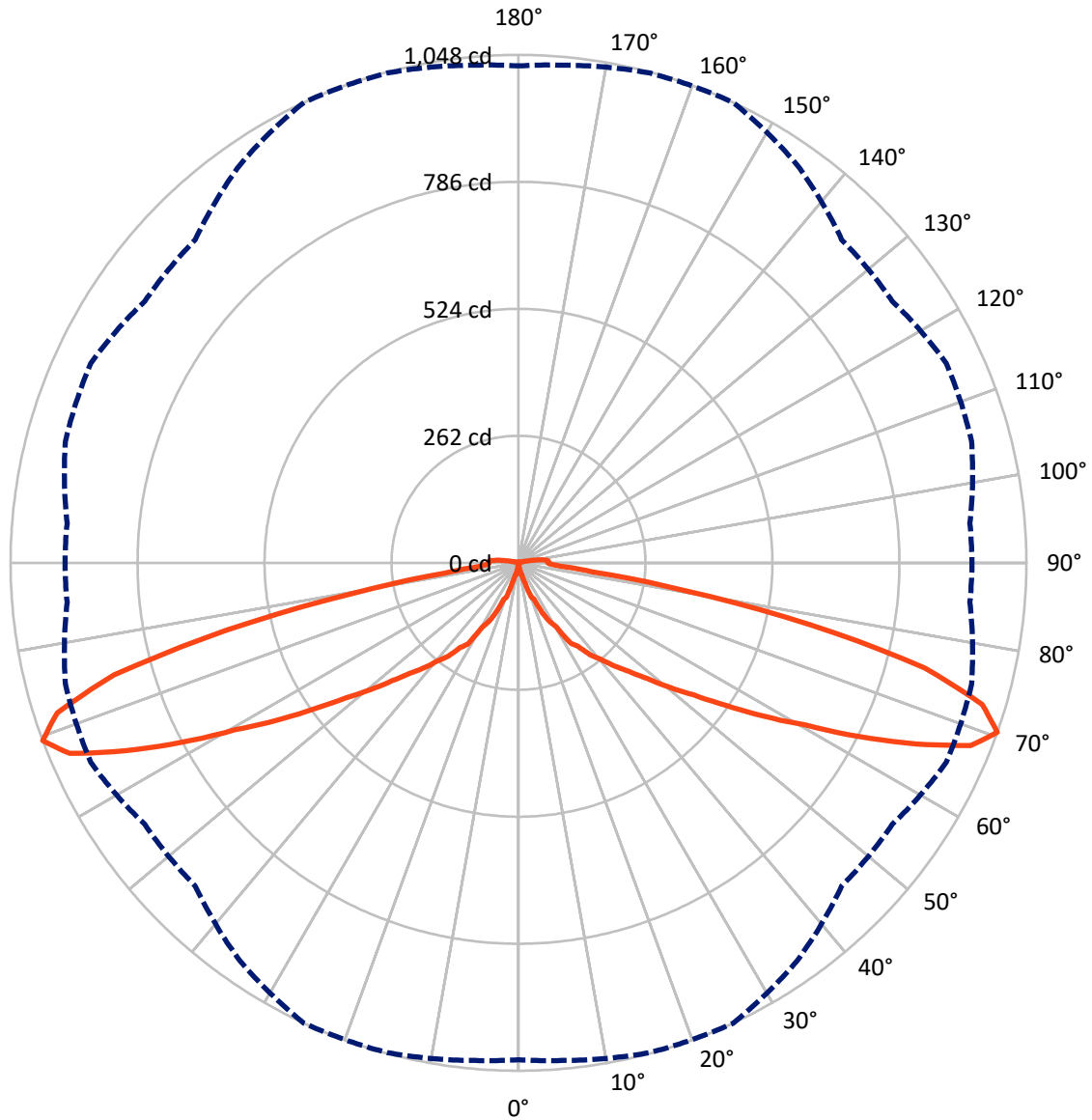
✕ Max cd
 - - - 1/2 Max cd



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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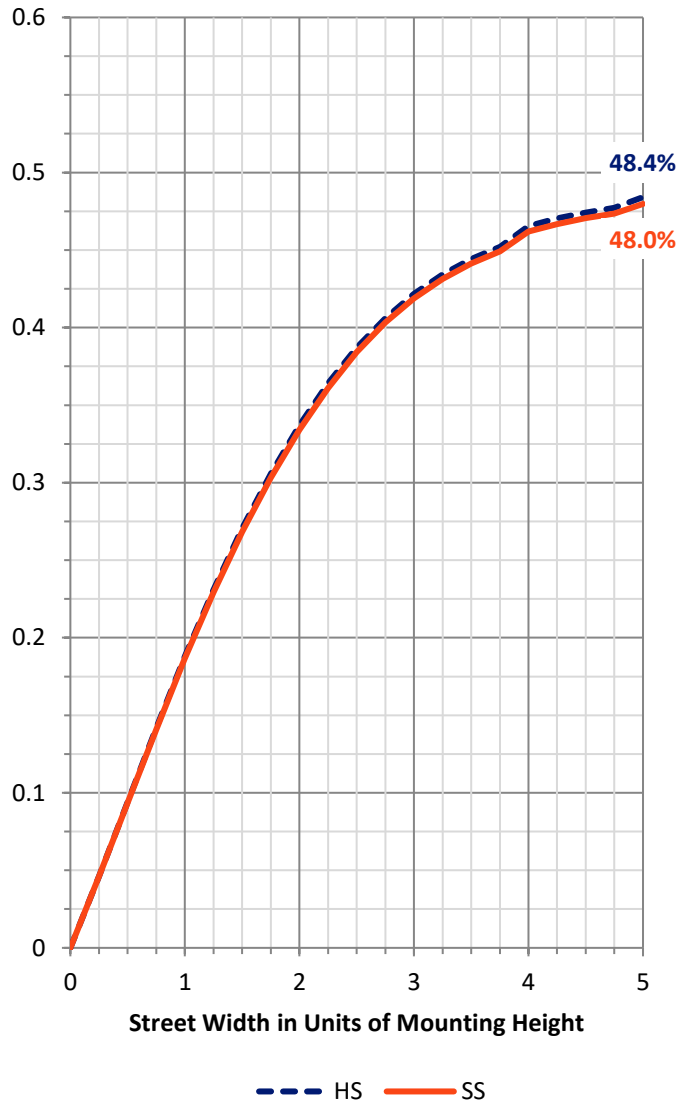
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1366.5	35.0	1401.5
	% Fixture	48.8	1.2	50.0
Street Side	Lumens	1366.5	35.0	1401.5
	% Fixture	48.8	1.2	50.0
Total	Lumens	2732.9	70.0	2802.9
	% Fixture	97.5	2.5	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.2	0.0
10°-20°	10.6	0.4
20°-30°	56.1	2.0
30°-40°	140.9	5.0
40°-50°	256.7	9.2
50°-60°	468.1	16.7
60°-70°	846.8	30.2
70°-80°	806.5	28.8
80°-90°	146.9	5.2
90°-100°	56.8	2.0
100°-110°	8.3	0.3
110°-120°	2.1	0.1
120°-130°	1.3	0.0
130°-140°	0.8	0.0
140°-150°	0.6	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2732.9	97.5
0°-180°	2802.9	100.0

Coefficient of Utilization



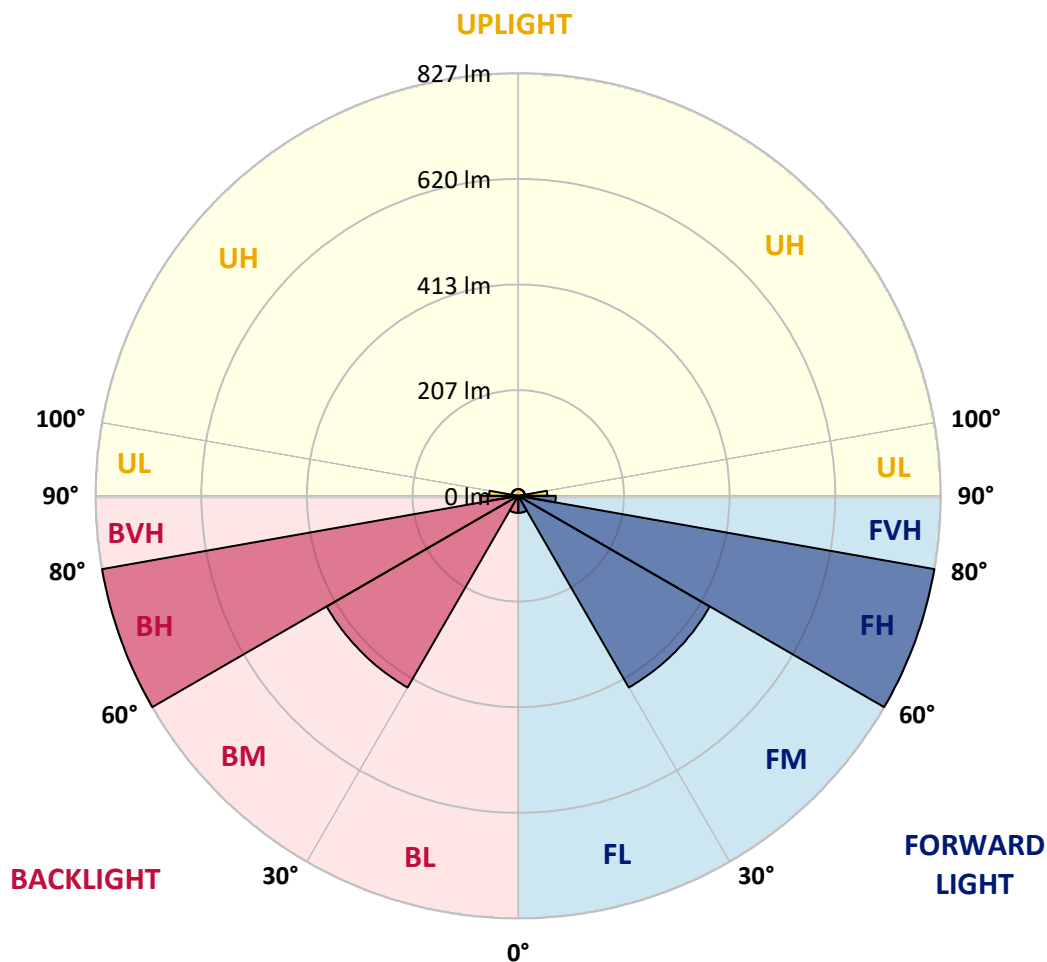
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	33.4	1.2			
FM (30°-60°)	432.9	15.4			
FH (60°-80°)	826.7	29.5			G1/1800
FVH (80°-90°)	73.4	2.6			G1/100
BL (0°-30°)	33.4	1.2	B0/110		
BM (30°-60°)	432.9	15.4	B1/1000		
BH (60°-80°)	826.7	29.5	B2/1000		G1/1800
BVH (80°-90°)	73.4	2.6			G1/100
UL (90°-100°)	56.8	2.0		U3/500	
UH (100°-180°)	13.2	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°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
2.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
7.5°	1.8	1.8	1.8	0.9	1.8	0.9	1.8	0.9	0.9	1.8	1.8
10°	19.2	16.4	8.2	5.5	2.7	1.8	1.8	1.8	1.8	1.8	1.8
12.5°	25.6	25.6	24.7	23.7	20.1	5.5	2.7	5.5	9.1	19.2	21.0
15°	31.0	31.0	28.3	26.5	24.7	21.0	20.1	37.4	44.7	47.5	49.3
17.5°	75.8	75.8	69.4	43.8	28.3	39.3	53.9	49.3	52.0	53.0	53.9
20°	82.2	81.3	78.5	75.8	62.1	57.5	62.1	58.4	76.7	83.1	91.3
22.5°	107.8	101.4	89.5	80.4	86.7	77.6	72.1	99.5	105.9	110.5	111.4
25°	141.5	140.6	137.0	114.1	99.5	96.8	102.3	116.0	118.7	126.0	127.8
27.5°	150.7	151.6	144.3	137.0	132.4	120.5	126.9	141.5	164.4	173.5	174.4
30°	210.9	209.1	200.9	152.5	147.9	142.5	150.7	167.1	175.3	185.4	187.2
32.5°	221.0	218.2	215.5	198.2	165.3	162.5	172.6	180.8	221.0	248.4	249.3
35°	260.2	260.2	250.2	211.9	203.6	182.6	189.9	222.8	251.1	263.0	263.0
37.5°	281.3	279.4	271.2	241.1	212.8	203.6	215.5	238.3	266.6	281.3	281.3
40°	305.0	303.2	294.0	262.1	242.0	222.8	239.2	262.1	294.0	306.8	306.8
42.5°	333.3	331.5	321.4	291.3	263.9	246.6	260.2	293.1	321.4	329.6	333.3
45°	367.1	364.3	355.2	319.6	290.4	268.5	281.3	323.3	352.5	368.0	366.2
47.5°	406.4	402.7	392.7	357.0	325.1	296.8	312.3	362.5	396.3	406.4	409.1
50°	446.5	444.7	440.1	403.6	362.5	335.1	355.2	408.2	441.1	446.5	448.4
52.5°	491.3	486.7	487.6	452.9	413.7	384.4	408.2	448.4	491.3	490.4	489.5
55°	543.3	542.4	545.2	519.6	474.8	442.9	469.4	519.6	547.0	544.2	538.8
57.5°	604.5	604.5	611.8	597.2	554.3	521.4	538.8	592.6	608.2	598.1	595.4
60°	684.9	680.3	693.1	679.4	650.2	606.3	628.3	674.8	681.2	668.4	671.2
62.5°	785.3	783.5	790.8	789.9	755.2	704.0	726.9	768.9	776.2	765.2	769.8
65°	896.7	894.9	904.0	901.3	862.0	807.2	827.3	873.9	873.9	852.9	854.7
67.5°	988.0	988.0	1001.7	1006.3	952.4	883.0	896.7	950.6	946.9	920.5	921.4
70°	1025.5	1031.0	1046.5	1048.3	1002.6	943.3	941.5	974.3	967.9	935.1	936.0
72.5°	961.6	964.3	991.7	1000.8	990.8	964.3	936.0	915.0	899.5	876.6	876.6
75°	778.9	777.1	812.7	865.7	895.8	922.3	855.6	795.4	772.5	752.4	759.7
77.5°	494.9	486.7	526.9	617.3	699.5	777.1	704.0	615.5	556.1	518.7	513.2
80°	218.2	222.8	255.7	348.8	459.3	544.2	490.4	360.7	279.4	227.4	211.9
82.5°	96.8	98.6	112.3	153.4	255.7	319.6	271.2	165.3	114.1	101.4	100.4
85°	66.7	70.3	68.5	84.0	118.7	143.4	125.1	83.1	69.4	65.7	63.0
87.5°	61.2	62.1	58.4	63.9	78.5	73.1	73.1	59.4	50.2	54.8	53.9
90°	63.9	64.8	58.4	60.3	72.1	64.8	67.6	55.7	52.0	58.4	57.5
92.5°	64.8	69.4	63.9	62.1	72.1	71.2	67.6	57.5	56.6	63.0	62.1
95°	57.5	63.9	57.5	58.4	66.7	67.6	63.9	56.6	58.4	63.0	64.8
97.5°	34.7	37.4	37.4	42.9	46.6	49.3	47.5	41.1	34.7	32.9	31.0
100°	12.8	12.8	18.3	27.4	25.6	21.0	26.5	26.5	15.5	8.2	5.5
102.5°	5.5	5.5	11.0	15.5	11.0	7.3	11.9	16.4	10.0	5.5	4.6
105°	5.5	5.5	6.4	8.2	4.6	3.7	4.6	8.2	4.6	4.6	4.6
107.5°	4.6	4.6	3.7	3.7	2.7	2.7	2.7	2.7	3.7	4.6	5.5
110°	4.6	3.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	4.6	4.6

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	3.7	2.7	1.8	1.8	1.8	2.7	1.8	1.8	1.8	2.7	2.7
115°	2.7	2.7	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.7	2.7
117.5°	2.7	2.7	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.7	2.7
120°	2.7	2.7	1.8	0.9	0.9	0.9	1.8	1.8	1.8	2.7	2.7
122.5°	2.7	2.7	1.8	0.9	0.9	0.9	0.9	0.9	1.8	2.7	2.7
125°	2.7	2.7	1.8	0.9	0.9	0.9	0.9	0.9	1.8	2.7	2.7
127.5°	2.7	1.8	1.8	0.9	0.9	0.9	0.9	0.9	1.8	2.7	2.7
130°	1.8	1.8	0.9	0.9	0.9	0.9	0.9	0.9	1.8	1.8	1.8
132.5°	1.8	1.8	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.8	1.8
135°	1.8	1.8	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.8	1.8
137.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
140°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
142.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
145°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
147.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
150°	1.8	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.8	1.8
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)