

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: P694944

Luminaire Tested: **LXF.LXT-PA16-30-827-U-5WQ-TL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694944
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-5)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-30-827-U-5WQ-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 560mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS
AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2897.1 lumens
Efficiency: N/A
Efficacy: 99.2 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 - G2

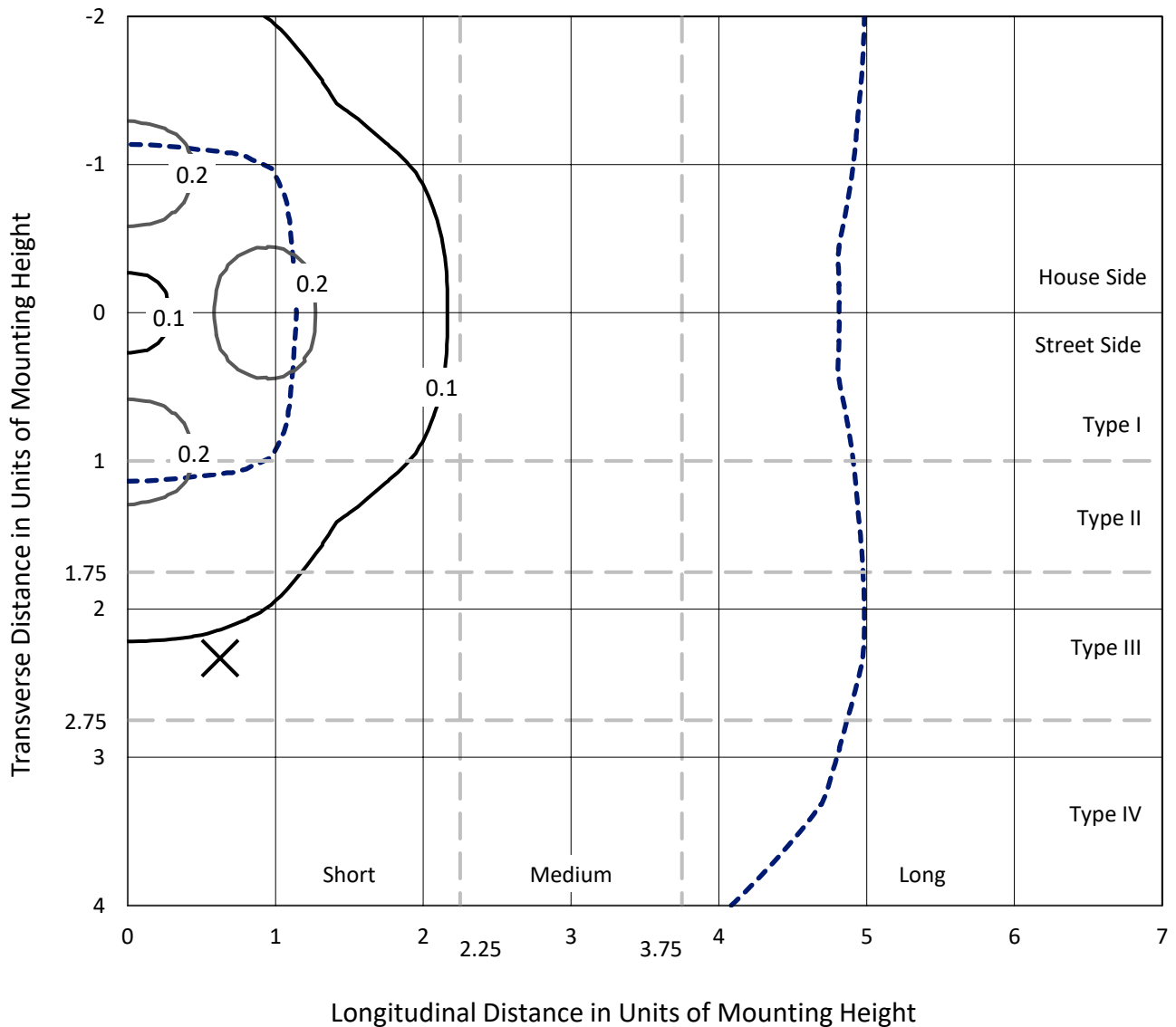
Input Watts (W): 29.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

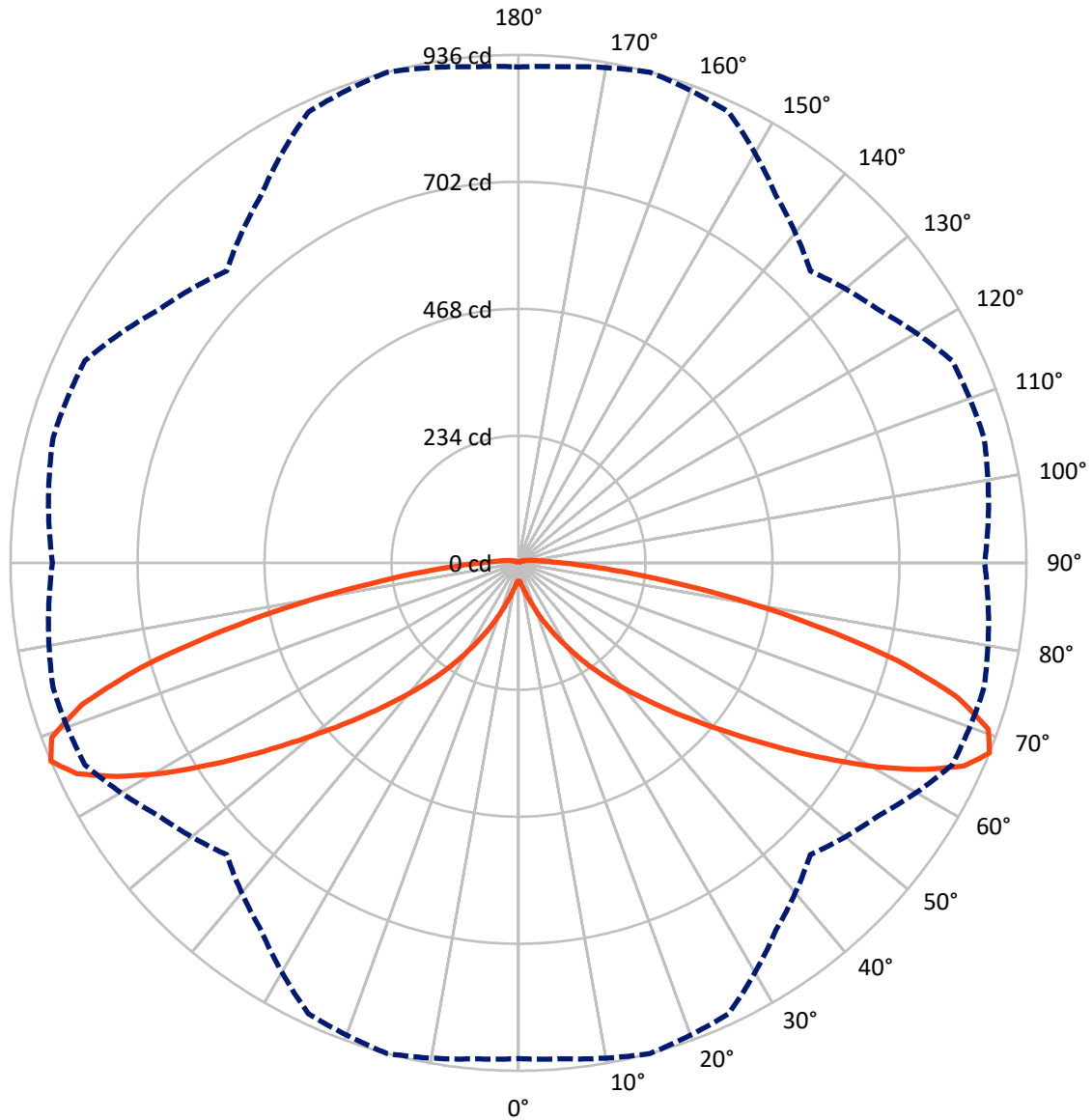
× Max cd
 - - - 1/2 Max cd



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

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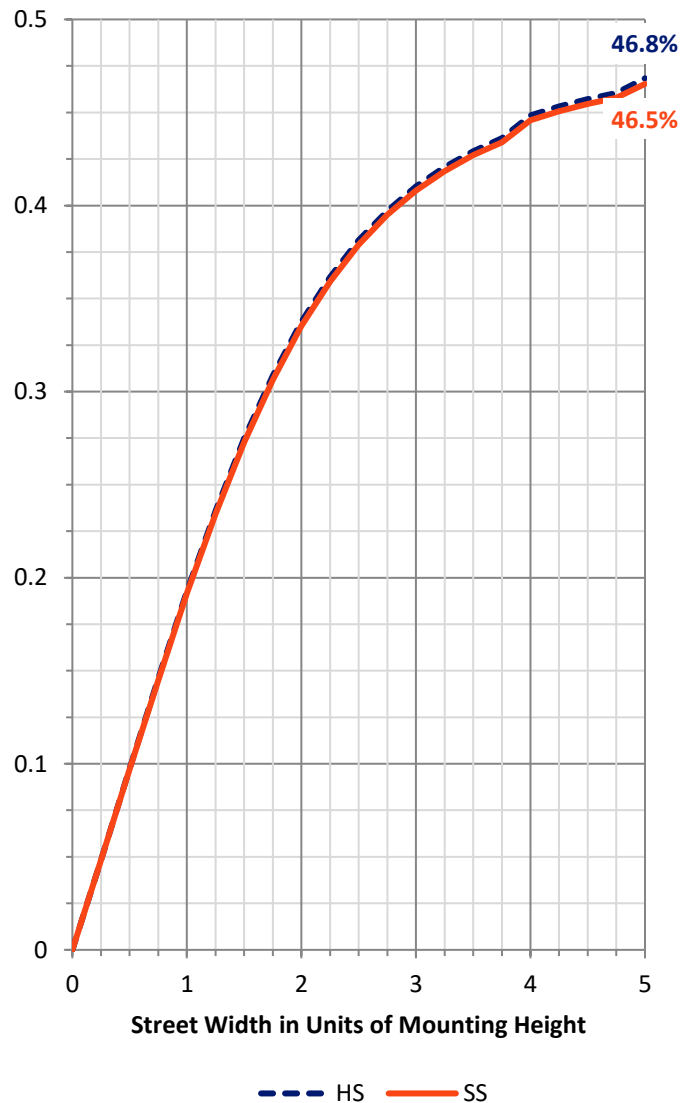
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1401.9	46.6	1448.5
	% Fixture	48.4	1.6	50.0
Street Side	Lumens	1401.9	46.6	1448.5
	% Fixture	48.4	1.6	50.0
Total	Lumens	2803.9	93.2	2897.1
	% Fixture	96.8	3.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.8	0.1
10°-20°	19.7	0.7
20°-30°	61.7	2.1
30°-40°	145.0	5.0
40°-50°	282.8	9.8
50°-60°	517.4	17.9
60°-70°	813.0	28.1
70°-80°	716.8	24.7
80°-90°	243.8	8.4
90°-100°	54.6	1.9
100°-110°	21.0	0.7
110°-120°	9.3	0.3
120°-130°	4.6	0.2
130°-140°	2.5	0.1
140°-150°	1.2	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2803.9	96.8
0°-180°	2897.1	100.0

Coefficient of Utilization

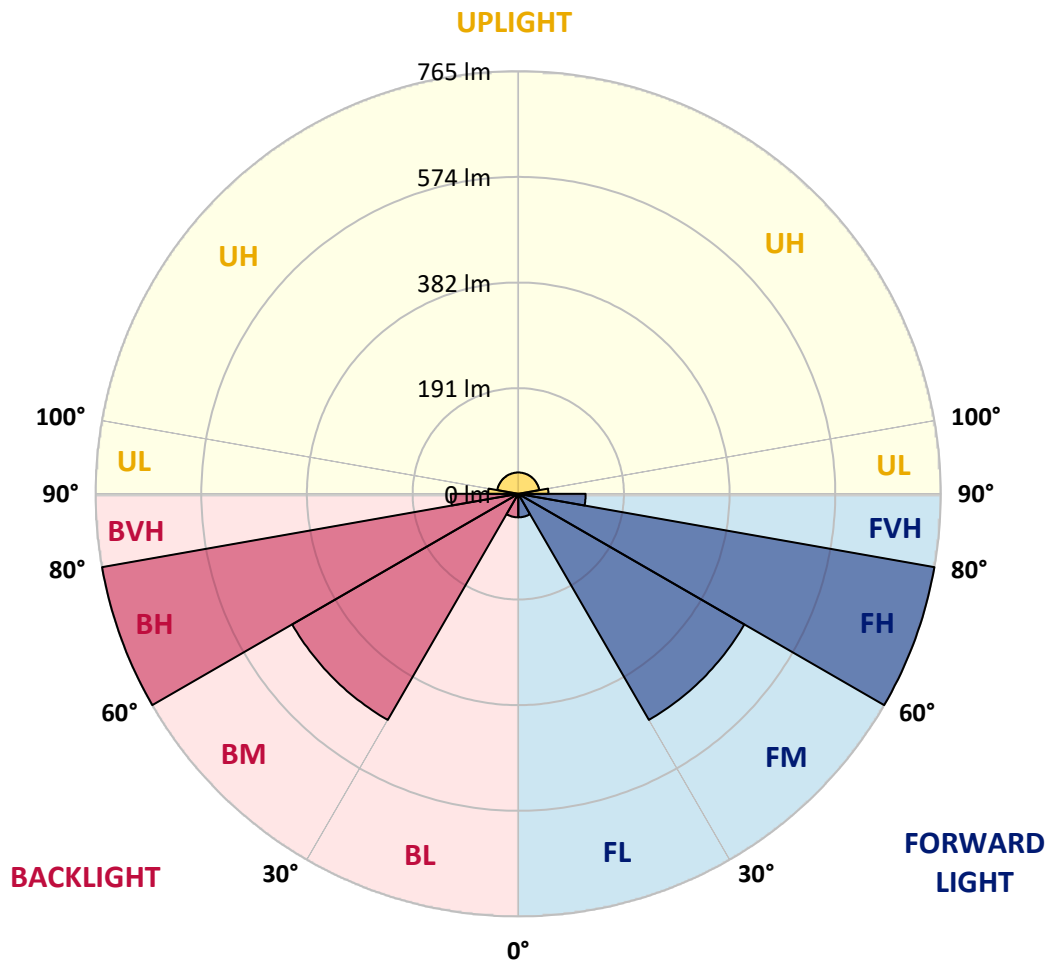


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	42.6	1.5			
FM (30°-60°)	472.6	16.3			
FH (60°-80°)	764.9	26.4			G1/1800
FVH (80°-90°)	121.9	4.2			G2/225
BL (0°-30°)	42.6	1.5	B0/110		
BM (30°-60°)	472.6	16.3	B1/1000		
BH (60°-80°)	764.9	26.4	B2/1000		G1/1800
BVH (80°-90°)	121.9	4.2			G2/225
UL (90°-100°)	54.6	1.9		U3/500	
UH (100°-180°)	38.6	1.3		U2/50	

BUG Rating: B2-U3-G2
 Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1
2.5°	34.1	34.1	34.1	34.1	35.1	35.1	35.1	34.1	34.1	34.1	34.1
5°	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	36.1
7.5°	41.0	41.0	41.0	41.0	41.0	41.9	41.0	41.0	41.0	41.0	41.0
10°	47.8	47.8	47.8	47.8	46.8	46.8	46.8	46.8	45.8	46.8	45.8
12.5°	56.6	56.6	56.6	55.6	54.6	54.6	54.6	53.6	54.6	54.6	54.6
15°	68.3	68.3	67.3	66.3	64.4	63.4	64.4	64.4	64.4	65.3	65.3
17.5°	81.0	81.9	80.0	78.0	76.1	76.1	75.1	76.1	78.0	79.0	79.0
20°	99.5	98.5	95.6	92.7	89.7	88.8	88.8	91.7	93.6	94.6	95.6
22.5°	118.0	118.0	115.1	109.2	105.3	103.4	104.4	107.3	112.2	116.1	116.1
25°	141.4	139.5	135.6	127.8	121.9	120.0	120.9	125.8	133.6	136.5	138.5
27.5°	164.8	163.9	158.0	149.2	140.4	136.5	139.5	148.2	157.0	162.9	164.8
30°	192.1	191.2	184.3	172.6	160.9	155.1	160.0	170.7	184.3	191.2	193.1
32.5°	222.4	221.4	212.6	197.0	181.4	175.6	181.4	197.0	212.6	221.4	222.4
35°	254.6	251.6	241.9	224.3	203.8	196.0	203.8	224.3	242.9	254.6	255.5
37.5°	286.7	284.8	274.1	253.6	229.2	219.4	228.2	254.6	275.0	288.7	285.8
40°	319.9	318.9	308.2	283.8	256.5	243.8	257.5	283.8	309.2	323.8	324.8
42.5°	357.9	357.9	344.3	318.9	285.8	271.1	285.8	319.9	348.2	359.9	360.9
45°	399.9	397.0	386.2	358.9	320.9	303.3	320.9	358.9	387.2	400.9	399.9
47.5°	443.8	441.8	432.1	404.8	359.9	341.4	358.9	402.8	432.1	441.8	441.8
50°	494.5	492.5	483.8	455.5	406.7	384.3	407.7	451.6	483.8	492.5	489.6
52.5°	553.0	547.2	543.2	515.9	463.3	434.0	459.4	512.0	541.3	543.2	543.2
55°	610.5	614.4	611.5	582.3	523.7	488.6	519.8	577.4	603.7	607.6	602.7
57.5°	683.7	687.6	685.6	655.4	592.0	550.1	585.2	648.6	671.0	670.0	669.1
60°	764.6	766.6	764.6	738.3	668.1	615.4	657.4	723.7	745.1	739.3	734.4
62.5°	835.8	837.8	838.8	819.3	735.4	676.9	719.8	794.9	811.5	801.7	798.8
65°	893.4	892.4	902.2	881.7	792.9	727.6	776.3	855.3	865.1	849.5	844.6
67.5°	913.9	917.8	936.3	916.8	827.1	760.7	811.5	881.7	888.5	869.0	859.3
70°	887.5	896.3	918.7	909.0	827.1	765.6	812.4	873.9	871.0	846.6	836.8
72.5°	815.4	817.3	845.6	850.5	790.0	739.3	775.4	819.3	804.6	771.5	768.5
75°	687.6	687.6	722.7	744.2	711.0	670.0	698.3	717.8	695.4	656.4	651.5
77.5°	526.7	532.5	561.8	608.6	600.8	581.3	594.0	597.9	551.1	510.1	511.1
80°	370.6	378.4	409.6	457.4	471.1	470.1	473.0	447.7	403.8	370.6	365.7
82.5°	248.7	244.8	274.1	317.0	349.2	355.0	353.1	318.0	275.0	243.8	239.9
85°	151.2	152.1	175.6	210.7	239.9	254.6	243.8	212.6	173.6	153.1	152.1
87.5°	93.6	95.6	109.2	132.6	162.9	176.5	164.8	137.5	109.2	94.6	93.6
90°	63.4	63.4	72.2	86.8	107.3	120.9	110.2	88.8	72.2	63.4	62.4
92.5°	45.8	47.8	50.7	60.5	75.1	83.9	76.1	60.5	50.7	45.8	44.9
95°	36.1	36.1	39.0	43.9	54.6	60.5	54.6	44.9	39.0	35.1	35.1
97.5°	28.3	29.3	31.2	35.1	41.9	45.8	41.9	35.1	31.2	28.3	27.3
100°	22.4	23.4	25.4	29.3	34.1	36.1	34.1	29.3	25.4	22.4	22.4
102.5°	17.6	18.5	20.5	24.4	28.3	29.3	28.3	23.4	20.5	17.6	17.6
105°	13.7	13.7	16.6	20.5	23.4	24.4	23.4	19.5	16.6	13.7	13.7
107.5°	10.7	10.7	13.7	16.6	19.5	20.5	19.5	16.6	12.7	10.7	10.7
110°	8.8	8.8	10.7	13.7	16.6	17.6	16.6	13.7	10.7	8.8	8.8

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	6.8	6.8	8.8	11.7	13.7	14.6	13.7	11.7	8.8	6.8	6.8
115°	5.9	5.9	6.8	9.8	11.7	12.7	11.7	9.8	6.8	5.9	5.9
117.5°	4.9	4.9	5.9	7.8	9.8	10.7	9.8	7.8	5.9	4.9	4.9
120°	4.9	4.9	4.9	6.8	8.8	9.8	8.8	6.8	4.9	4.9	4.9
122.5°	3.9	3.9	4.9	5.9	7.8	7.8	6.8	5.9	4.9	3.9	3.9
125°	3.9	3.9	3.9	4.9	5.9	6.8	5.9	4.9	3.9	3.9	3.9
127.5°	3.9	3.9	3.9	3.9	5.9	5.9	5.9	3.9	3.9	3.9	3.9
130°	2.9	2.9	2.9	3.9	4.9	4.9	4.9	3.9	3.9	2.9	3.9
132.5°	2.9	2.9	2.9	3.9	3.9	4.9	3.9	3.9	2.9	2.9	2.9
135°	2.9	2.9	2.9	2.9	3.9	3.9	3.9	2.9	2.9	2.9	2.9
137.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
140°	2.0	2.0	2.0	2.0	2.9	2.9	2.9	2.0	2.0	2.9	2.0
142.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
145°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
147.5°	1.0	2.0	1.0	1.0	1.0	2.0	2.0	2.0	2.0	2.0	2.0
150°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
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)