

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: P694941

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

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P694941  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-2)  
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-A  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 2700K, 560mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS  
AND REFRACTOR PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2908 lumens  
Efficiency: N/A  
Efficacy: 99.6 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 - G2

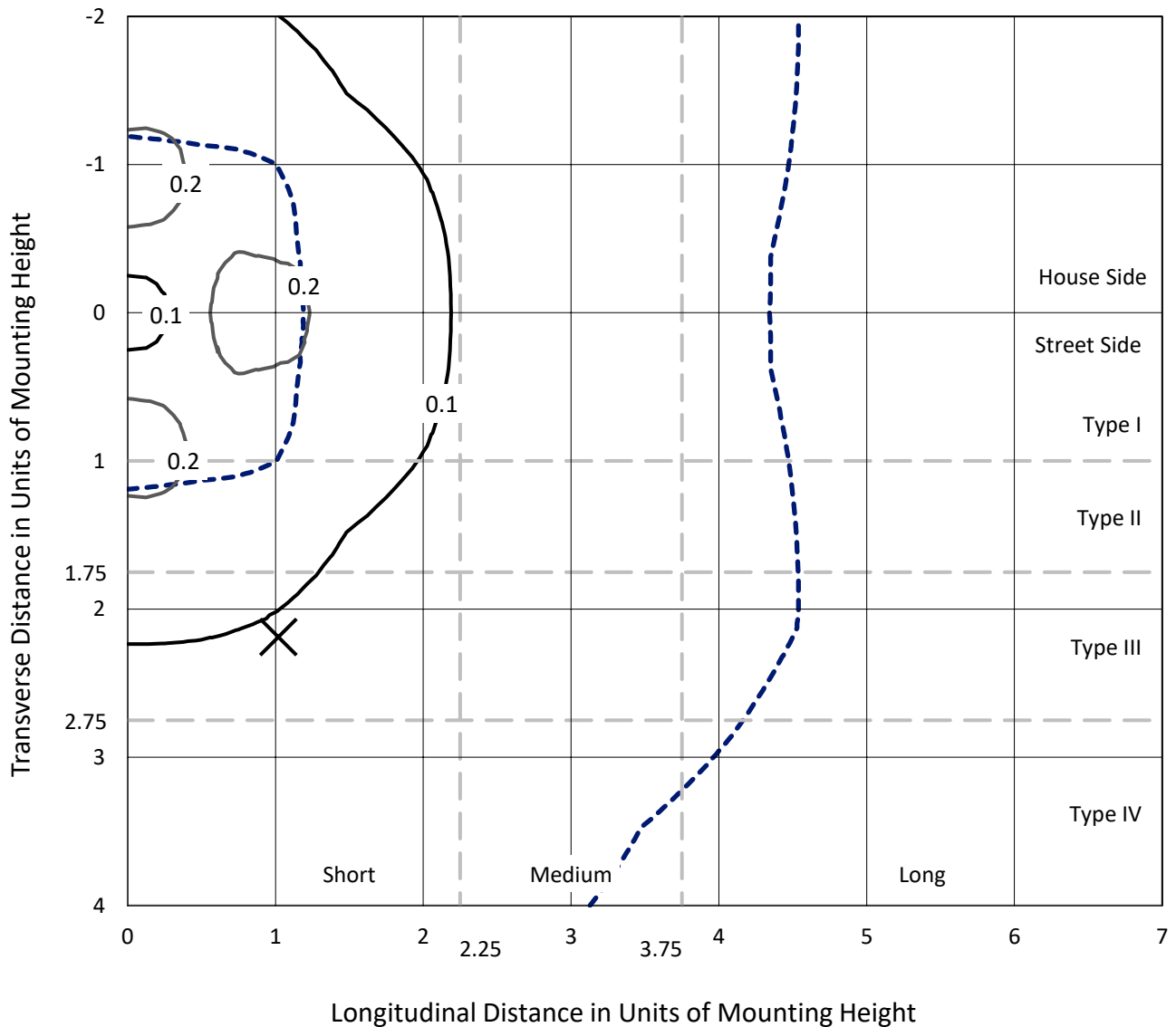
Input Watts (W): 29.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

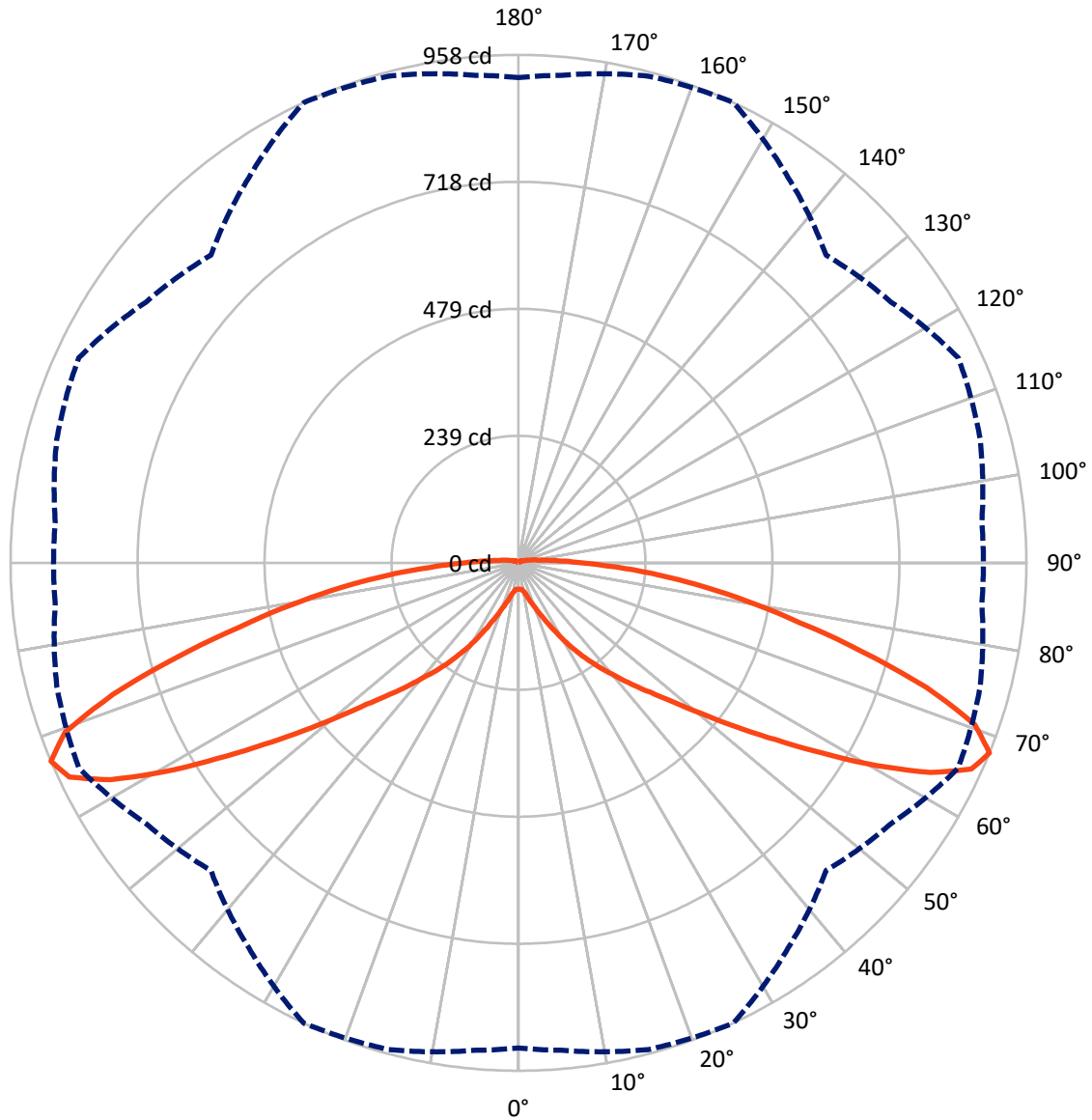
✕ Max cd  
 - - - 1/2 Max cd



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

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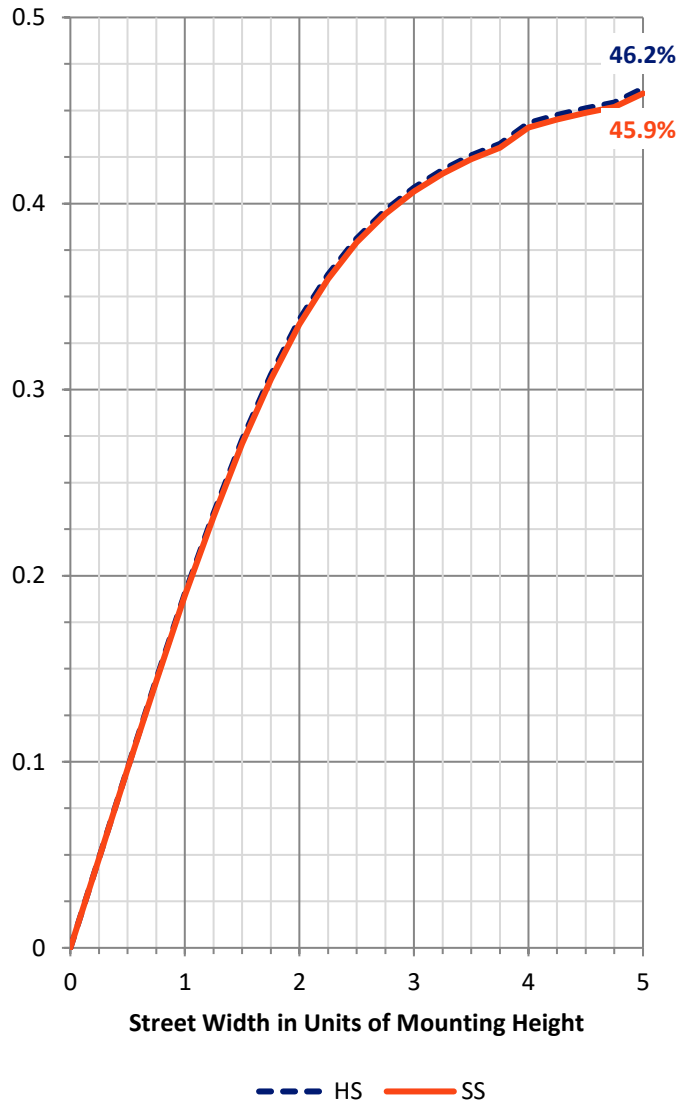
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1401.8	52.3	1454.0
	% Fixture	48.2	1.8	50.0
<b>Street Side</b>	Lumens	1401.8	52.3	1454.0
	% Fixture	48.2	1.8	50.0
<b>Total</b>	Lumens	2803.5	104.5	2908.0
	% Fixture	96.4	3.6	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	4.9	0.2
10°-20°	20.4	0.7
20°-30°	60.8	2.1
30°-40°	145.8	5.0
40°-50°	273.9	9.4
50°-60°	520.1	17.9
60°-70°	844.3	29.0
70°-80°	662.9	22.8
80°-90°	270.4	9.3
90°-100°	65.9	2.3
100°-110°	20.7	0.7
110°-120°	8.8	0.3
120°-130°	4.8	0.2
130°-140°	2.9	0.1
140°-150°	1.3	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2803.5	96.4
0°-180°	2908.0	100.0

**Coefficient of Utilization**



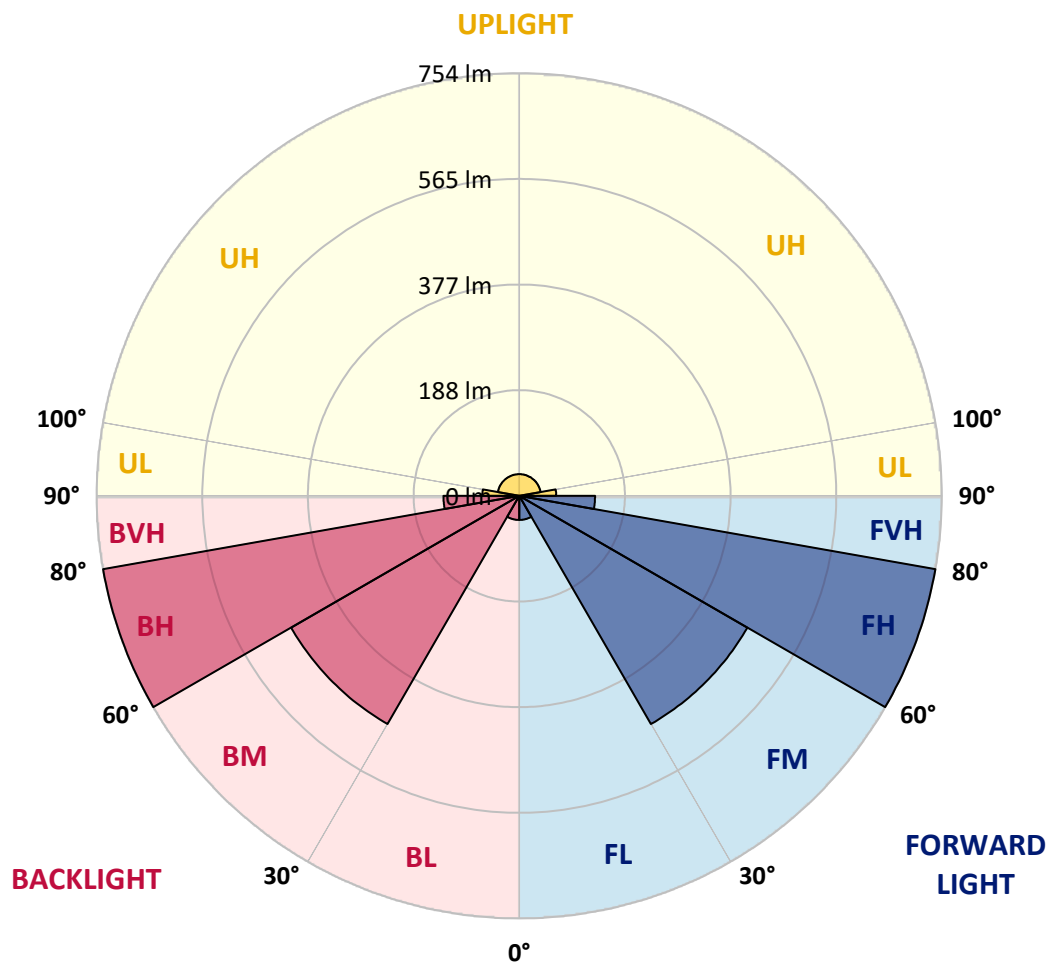
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	43.1	1.5			
FM (30°-60°)	469.9	16.2			
FH (60°-80°)	753.6	25.9			G1/1800
FVH (80°-90°)	135.2	4.6			G2/225
BL (0°-30°)	43.1	1.5	B0/110		
BM (30°-60°)	469.9	16.2	B1/1000		
BH (60°-80°)	753.6	25.9	B2/1000		G1/1800
BVH (80°-90°)	135.2	4.6			G2/225
UL (90°-100°)	65.9	2.3		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°	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
2.5°	48.8	48.8	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
5°	49.7	49.7	49.7	49.7	50.7	50.7	50.7	49.7	49.7	49.7	49.7
7.5°	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
10°	55.6	55.6	54.6	55.6	54.6	54.6	54.6	53.6	54.6	54.6	54.6
12.5°	62.4	62.4	61.5	60.5	59.5	58.5	58.5	58.5	59.5	60.5	60.5
15°	72.2	72.2	71.2	69.3	66.3	65.4	66.3	67.3	68.3	70.2	70.2
17.5°	83.9	83.9	81.9	79.0	76.1	75.1	76.1	78.0	80.0	81.9	82.9
20°	98.5	97.5	95.6	90.7	87.8	86.8	87.8	89.7	93.6	96.6	96.6
22.5°	116.1	116.1	112.2	106.3	101.4	100.5	100.5	105.3	110.2	115.1	116.1
25°	137.5	138.5	132.7	123.9	118.0	115.1	117.1	123.9	132.7	138.5	140.5
27.5°	165.8	164.9	157.0	145.3	135.6	130.7	135.6	145.3	158.0	164.9	167.8
30°	195.1	195.1	185.3	170.7	156.1	150.2	157.0	169.7	185.3	196.1	198.0
32.5°	224.4	224.4	212.6	197.0	178.5	169.7	178.5	199.0	219.5	233.1	236.1
35°	255.6	257.5	242.9	223.4	200.9	192.2	202.9	228.3	254.6	269.2	270.2
37.5°	280.9	280.9	271.2	251.7	224.4	213.6	228.3	262.4	289.7	302.4	306.3
40°	314.1	315.1	303.4	279.0	250.7	238.0	256.5	291.7	313.1	319.0	320.9
42.5°	348.2	349.2	339.5	313.1	278.0	264.3	282.9	314.1	333.6	342.4	345.3
45°	380.4	383.4	373.6	348.2	311.2	291.7	308.2	343.4	368.7	378.5	381.4
47.5°	423.3	428.2	417.5	391.2	348.2	324.8	342.4	386.3	416.5	424.3	424.3
50°	474.1	478.9	475.0	446.8	395.1	365.8	390.2	439.0	470.2	480.9	479.9
52.5°	541.4	543.3	539.4	513.1	453.6	417.5	443.8	503.3	533.6	529.7	534.5
55°	611.6	616.5	619.4	589.2	525.8	480.9	517.0	575.5	598.0	599.9	598.9
57.5°	696.5	704.3	701.3	677.9	605.8	558.9	595.0	652.6	684.8	682.8	687.7
60°	787.2	791.1	798.9	776.5	705.3	641.8	681.8	749.1	769.6	755.0	756.9
62.5°	860.3	866.2	879.9	871.1	795.0	726.7	768.7	823.3	835.0	820.4	823.3
65°	918.9	923.8	945.2	938.4	864.2	794.0	833.0	888.6	891.6	870.1	868.2
67.5°	915.0	922.8	950.1	957.9	886.7	820.4	857.4	915.0	901.3	876.9	876.9
70°	850.6	851.6	884.7	913.0	848.6	787.2	830.1	871.1	858.4	830.1	826.2
72.5°	730.6	742.3	780.4	804.7	762.8	714.0	740.4	780.4	738.4	699.4	696.5
75°	590.1	588.2	623.3	670.1	648.7	607.7	638.9	647.7	609.7	576.5	568.7
77.5°	471.1	475.0	505.3	541.4	537.5	511.1	519.9	527.7	493.6	458.5	456.5
80°	375.5	375.5	412.6	436.0	437.0	426.3	428.2	423.3	387.3	364.8	360.9
82.5°	280.9	282.9	308.2	338.5	358.0	355.1	348.2	333.6	304.3	280.0	279.0
85°	191.2	195.1	216.5	249.7	278.0	284.8	280.9	247.8	211.7	188.3	185.3
87.5°	125.8	128.8	141.4	167.8	204.8	223.4	207.8	171.7	141.4	128.8	124.9
90°	84.9	86.8	94.6	109.3	143.4	162.9	145.3	113.2	92.7	83.9	83.9
92.5°	57.6	58.5	64.4	74.1	96.6	113.2	97.5	75.1	62.4	56.6	55.6
95°	39.0	40.0	43.9	50.7	66.3	76.1	66.3	49.7	43.9	40.0	39.0
97.5°	30.2	31.2	33.2	37.1	46.8	52.7	45.8	37.1	33.2	31.2	30.2
100°	24.4	24.4	27.3	29.3	34.1	38.0	34.1	28.3	26.3	24.4	24.4
102.5°	19.5	20.5	21.5	23.4	27.3	30.2	27.3	22.4	20.5	19.5	19.5
105°	15.6	15.6	16.6	18.5	21.5	23.4	21.5	18.5	16.6	15.6	14.6
107.5°	12.7	11.7	13.7	15.6	17.6	19.5	17.6	14.6	12.7	11.7	11.7
110°	9.8	9.8	10.7	12.7	14.6	15.6	14.6	11.7	10.7	9.8	9.8

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**CANDELA DISTRIBUTION (continued):**

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