

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: P694494

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

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P694494  
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-PA16-20-727-U-5WQ-TL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2700K, 420mA 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: 2497 lumens  
Efficiency: N/A  
Efficacy: 114.5 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 - U2 - G2

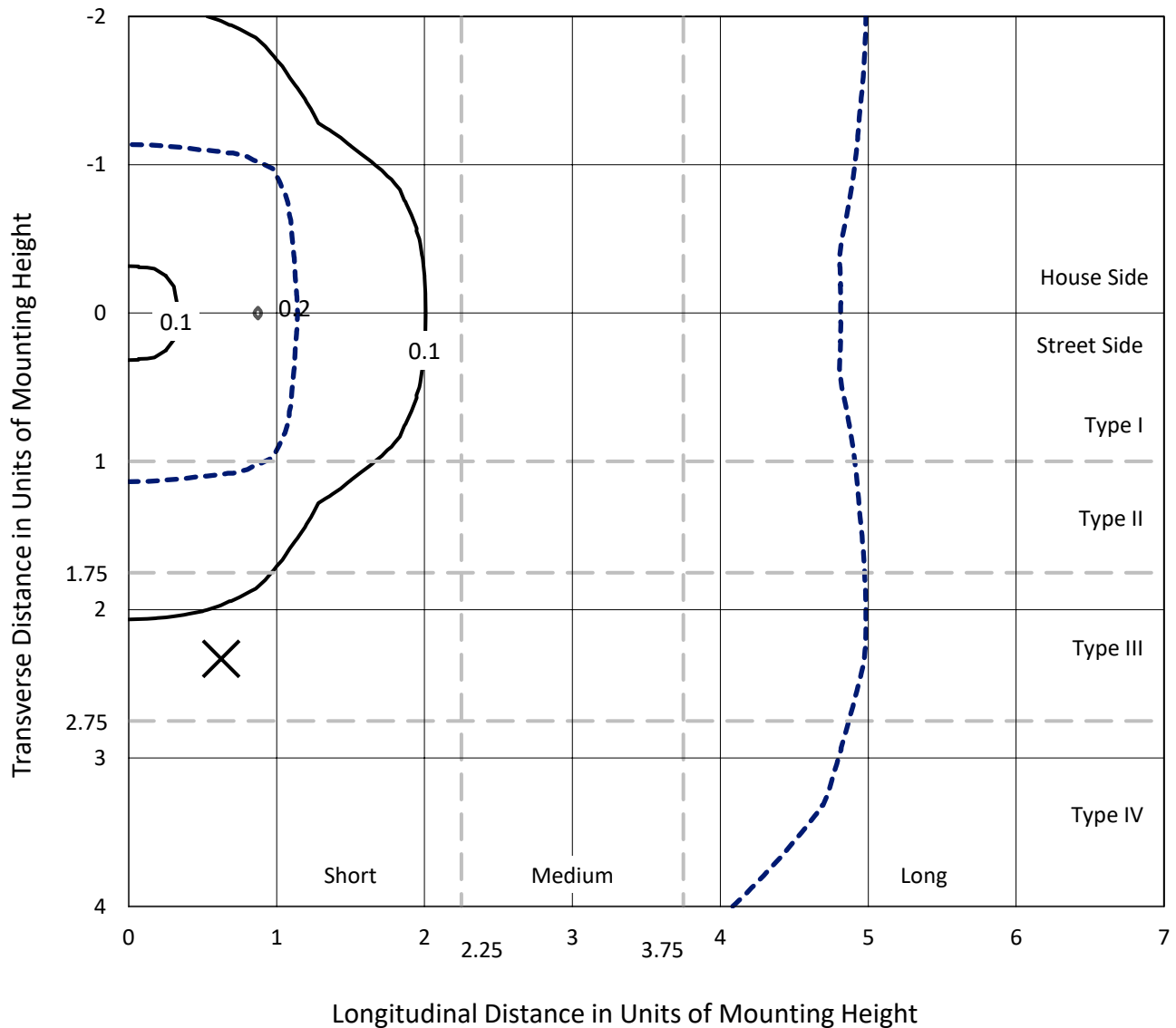
Input Watts (W): 21.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

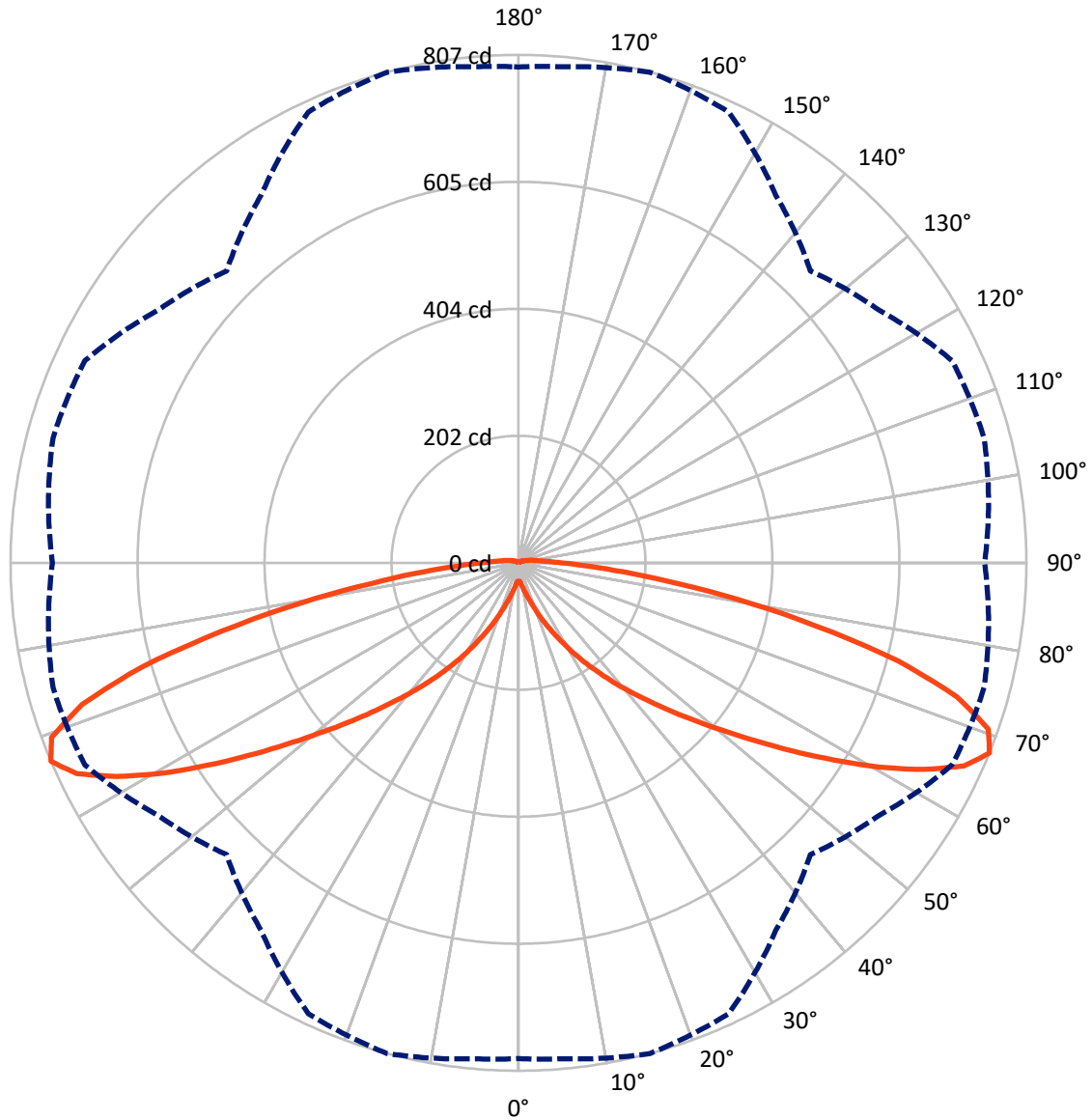
✕ Max cd  
 - - - 1/2 Max cd



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

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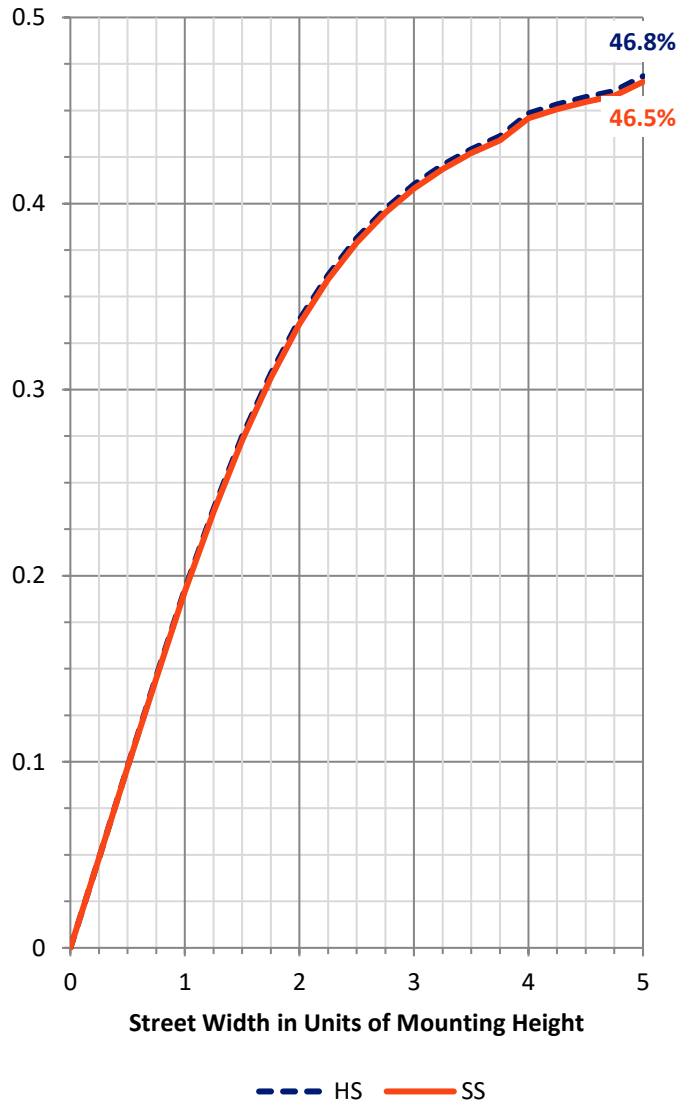
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1208.4	40.1	1248.5
	% Fixture	48.4	1.6	50.0
<b>Street Side</b>	Lumens	1208.4	40.1	1248.5
	% Fixture	48.4	1.6	50.0
<b>Total</b>	Lumens	2416.7	80.3	2497.0
	% Fixture	96.8	3.2	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	3.3	0.1
10°-20°	16.9	0.7
20°-30°	53.2	2.1
30°-40°	125.0	5.0
40°-50°	243.7	9.8
50°-60°	445.9	17.9
60°-70°	700.7	28.1
70°-80°	617.8	24.7
80°-90°	210.1	8.4
90°-100°	47.1	1.9
100°-110°	18.1	0.7
110°-120°	8.0	0.3
120°-130°	4.0	0.2
130°-140°	2.2	0.1
140°-150°	1.0	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2416.7	96.8
0°-180°	2497.0	100.0

**Coefficient of Utilization**



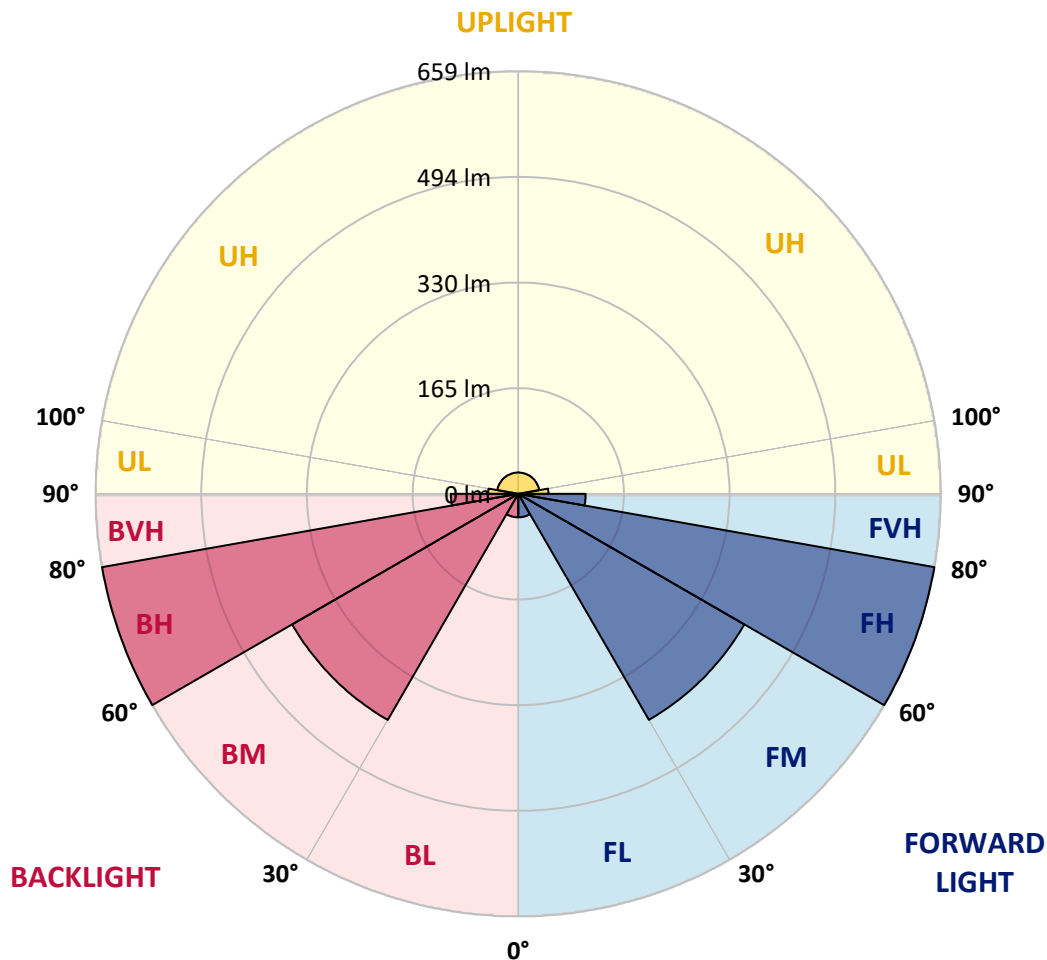
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	36.7	1.5			
FM (30°-60°)	407.3	16.3			
FH (60°-80°)	659.3	26.4			G0/660
FVH (80°-90°)	105.1	4.2			G2/225
BL (0°-30°)	36.7	1.5	B0/110		
BM (30°-60°)	407.3	16.3	B1/1000		
BH (60°-80°)	659.3	26.4	B2/1000		G0/660
BVH (80°-90°)	105.1	4.2			G2/225
UL (90°-100°)	47.1	1.9		U2/50	
UH (100°-180°)	33.2	1.3		U2/50	

**BUG Rating: B2-U2-G2**

Type V Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4
2.5°	29.4	29.4	29.4	29.4	30.3	30.3	30.3	29.4	29.4	29.4	29.4
5°	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.1
7.5°	35.3	35.3	35.3	35.3	35.3	36.1	35.3	35.3	35.3	35.3	35.3
10°	41.2	41.2	41.2	41.2	40.4	40.4	40.4	40.4	39.5	40.4	39.5
12.5°	48.8	48.8	48.8	47.9	47.1	47.1	47.1	46.2	47.1	47.1	47.1
15°	58.8	58.8	58.0	57.2	55.5	54.6	55.5	55.5	55.5	56.3	56.3
17.5°	69.8	70.6	68.9	67.3	65.6	65.6	64.7	65.6	67.3	68.1	68.1
20°	85.7	84.9	82.4	79.9	77.3	76.5	76.5	79.0	80.7	81.5	82.4
22.5°	101.7	101.7	99.2	94.2	90.8	89.1	89.9	92.5	96.7	100.0	100.0
25°	121.9	120.2	116.8	110.1	105.1	103.4	104.2	108.4	115.2	117.7	119.4
27.5°	142.1	141.2	136.2	128.6	121.1	117.7	120.2	127.8	135.3	140.4	142.1
30°	165.6	164.8	158.9	148.8	138.7	133.7	137.9	147.1	158.9	164.8	166.4
32.5°	191.7	190.8	183.3	169.8	156.4	151.3	156.4	169.8	183.3	190.8	191.7
35°	219.4	216.9	208.5	193.3	175.7	169.0	175.7	193.3	209.3	219.4	220.2
37.5°	247.2	245.5	236.2	218.6	197.6	189.1	196.7	219.4	237.1	248.8	246.3
40°	275.7	274.9	265.6	244.6	221.1	210.2	221.9	244.6	266.5	279.1	279.9
42.5°	308.5	308.5	296.7	274.9	246.3	233.7	246.3	275.7	300.1	310.2	311.0
45°	344.7	342.1	332.9	309.4	276.6	261.4	276.6	309.4	333.7	345.5	344.7
47.5°	382.5	380.8	372.4	348.9	310.2	294.2	309.4	347.2	372.4	380.8	380.8
50°	426.2	424.5	417.0	392.6	350.5	331.2	351.4	389.2	417.0	424.5	422.0
52.5°	476.6	471.6	468.2	444.7	399.3	374.1	395.9	441.3	466.6	468.2	468.2
55°	526.2	529.6	527.1	501.9	451.4	421.2	448.1	497.7	520.4	523.7	519.5
57.5°	589.3	592.7	591.0	564.9	510.3	474.1	504.4	559.0	578.4	577.5	576.7
60°	659.1	660.7	659.1	636.4	575.8	530.4	566.6	623.8	642.3	637.2	633.0
62.5°	720.4	722.1	723.0	706.1	633.8	583.4	620.4	685.1	699.4	691.0	688.5
65°	770.0	769.2	777.6	759.9	683.4	627.1	669.2	737.2	745.7	732.2	728.0
67.5°	787.7	791.0	807.0	790.2	712.9	655.7	699.4	759.9	765.8	749.0	740.6
70°	765.0	772.6	791.9	783.5	712.9	659.9	700.3	753.2	750.7	729.7	721.3
72.5°	702.8	704.5	728.8	733.0	680.9	637.2	668.3	706.1	693.5	665.0	662.4
75°	592.7	592.7	622.9	641.4	612.8	577.5	601.9	618.7	599.4	565.8	561.6
77.5°	453.9	459.0	484.2	524.6	517.8	501.0	512.0	515.3	475.0	439.7	440.5
80°	319.4	326.2	353.1	394.3	406.0	405.2	407.7	385.9	348.0	319.4	315.2
82.5°	214.4	211.0	236.2	273.2	301.0	306.0	304.3	274.1	237.1	210.2	206.8
85°	130.3	131.1	151.3	181.6	206.8	219.4	210.2	183.3	149.6	132.0	131.1
87.5°	80.7	82.4	94.2	114.3	140.4	152.2	142.1	118.5	94.2	81.5	80.7
90°	54.6	54.6	62.2	74.8	92.5	104.2	95.0	76.5	62.2	54.6	53.8
92.5°	39.5	41.2	43.7	52.1	64.7	72.3	65.6	52.1	43.7	39.5	38.7
95°	31.1	31.1	33.6	37.8	47.1	52.1	47.1	38.7	33.6	30.3	30.3
97.5°	24.4	25.2	26.9	30.3	36.1	39.5	36.1	30.3	26.9	24.4	23.5
100°	19.3	20.2	21.9	25.2	29.4	31.1	29.4	25.2	21.9	19.3	19.3
102.5°	15.1	16.0	17.7	21.0	24.4	25.2	24.4	20.2	17.7	15.1	15.1
105°	11.8	11.8	14.3	17.7	20.2	21.0	20.2	16.8	14.3	11.8	11.8
107.5°	9.2	9.2	11.8	14.3	16.8	17.7	16.8	14.3	10.9	9.2	9.2
110°	7.6	7.6	9.2	11.8	14.3	15.1	14.3	11.8	9.2	7.6	7.6

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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	5.9	5.9	7.6	10.1	11.8	12.6	11.8	10.1	7.6	5.9	5.9
115°	5.0	5.0	5.9	8.4	10.1	10.9	10.1	8.4	5.9	5.0	5.0
117.5°	4.2	4.2	5.0	6.7	8.4	9.2	8.4	6.7	5.0	4.2	4.2
120°	4.2	4.2	4.2	5.9	7.6	8.4	7.6	5.9	4.2	4.2	4.2
122.5°	3.4	3.4	4.2	5.0	6.7	6.7	5.9	5.0	4.2	3.4	3.4
125°	3.4	3.4	3.4	4.2	5.0	5.9	5.0	4.2	3.4	3.4	3.4
127.5°	3.4	3.4	3.4	3.4	5.0	5.0	5.0	3.4	3.4	3.4	3.4
130°	2.5	2.5	2.5	3.4	4.2	4.2	4.2	3.4	3.4	2.5	3.4
132.5°	2.5	2.5	2.5	3.4	3.4	4.2	3.4	3.4	2.5	2.5	2.5
135°	2.5	2.5	2.5	2.5	3.4	3.4	3.4	2.5	2.5	2.5	2.5
137.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
140°	1.7	1.7	1.7	1.7	2.5	2.5	2.5	1.7	1.7	2.5	1.7
142.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
145°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
147.5°	0.8	1.7	0.8	0.8	0.8	1.7	1.7	1.7	1.7	1.7	1.7
150°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
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)