

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: P694672

Luminaire Tested: **LXF.LXT-PA16-20-827-U-5WQ-CL**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P694672  
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-PA16-20-827-U-5WQ-CL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 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: 2314.1 lumens  
Efficiency: N/A  
Efficacy: 106.2 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 - U2 - G1

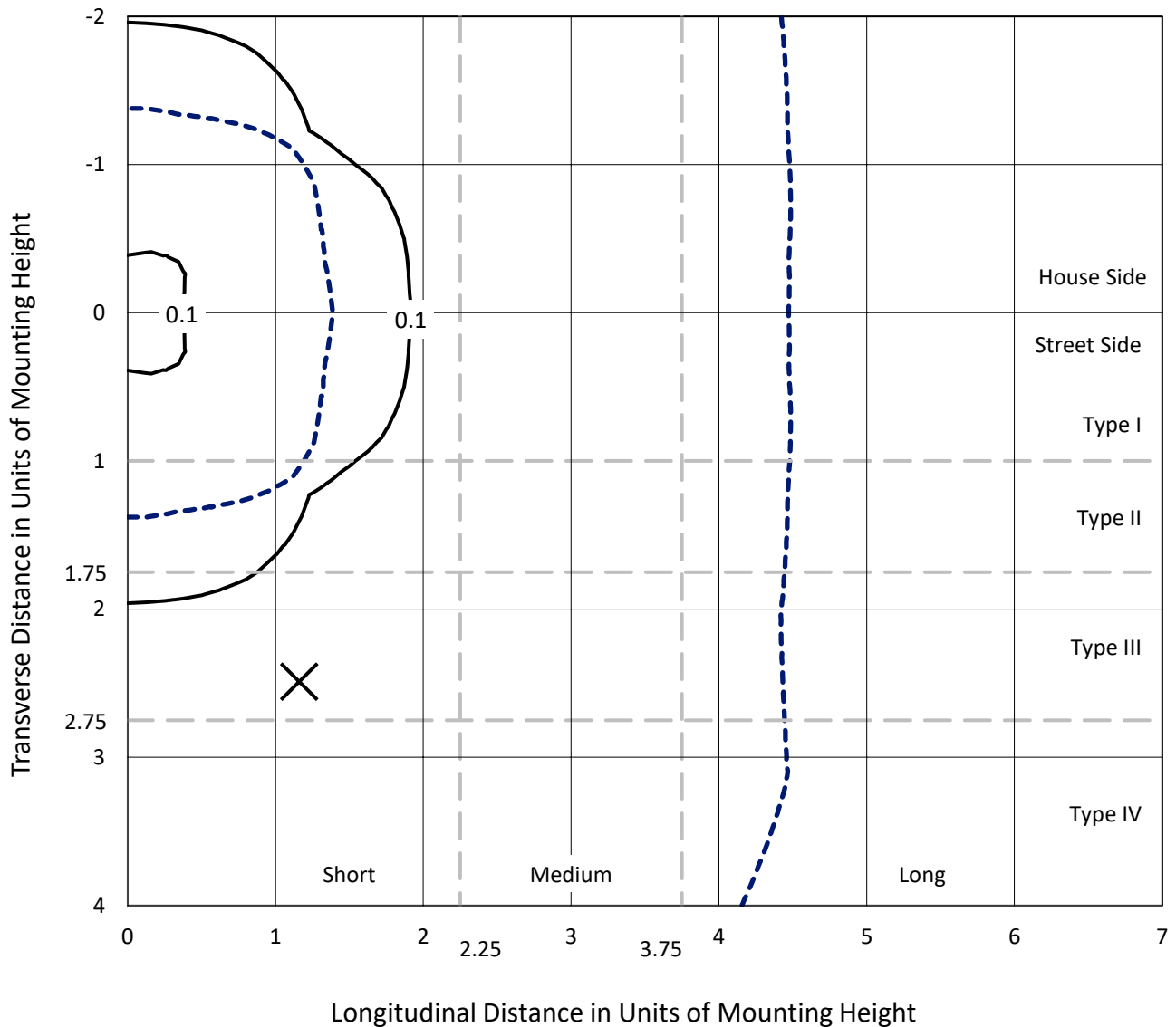
Input Watts (W): 21.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

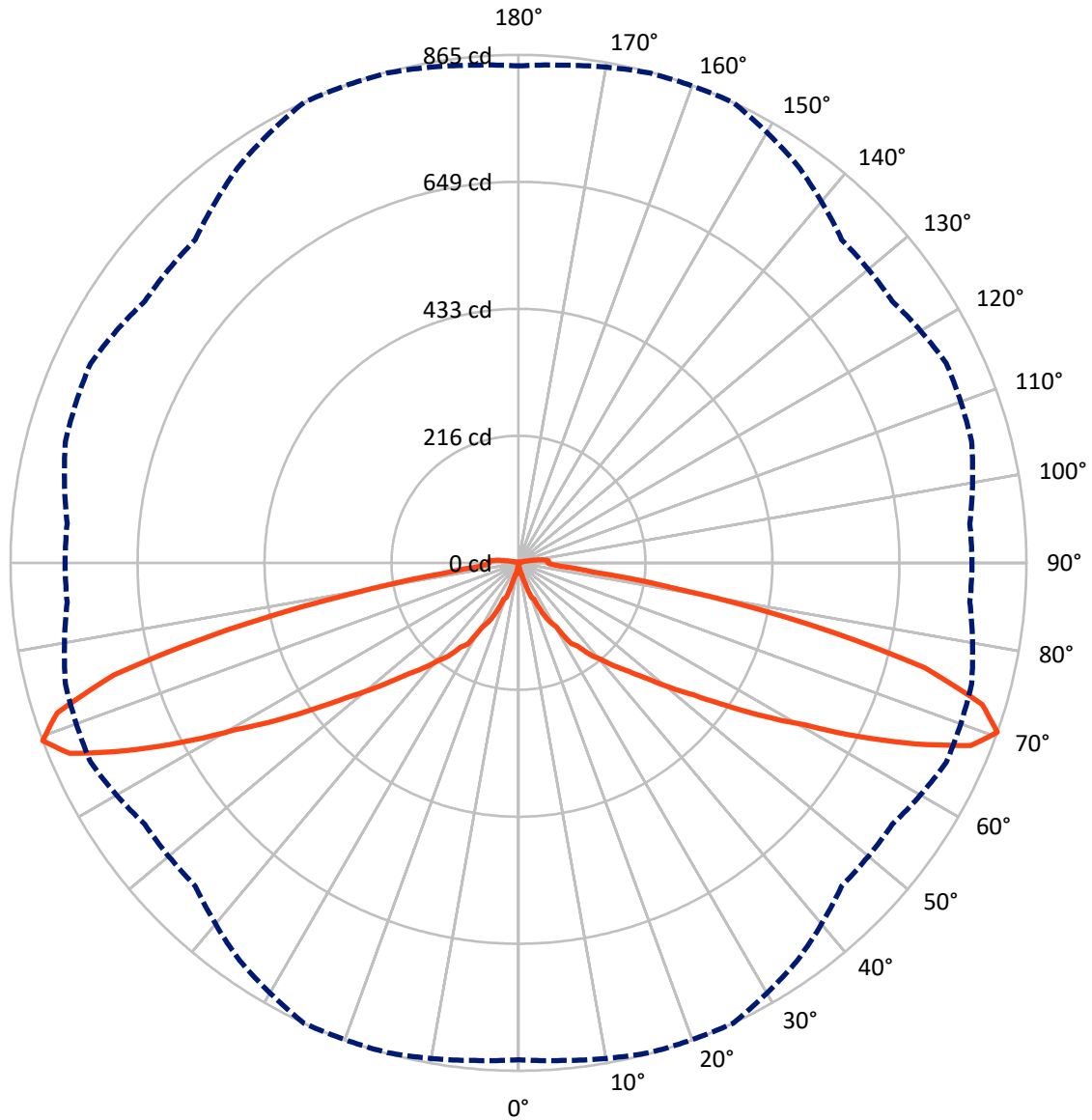
× Max cd  
 - - - 1/2 Max cd



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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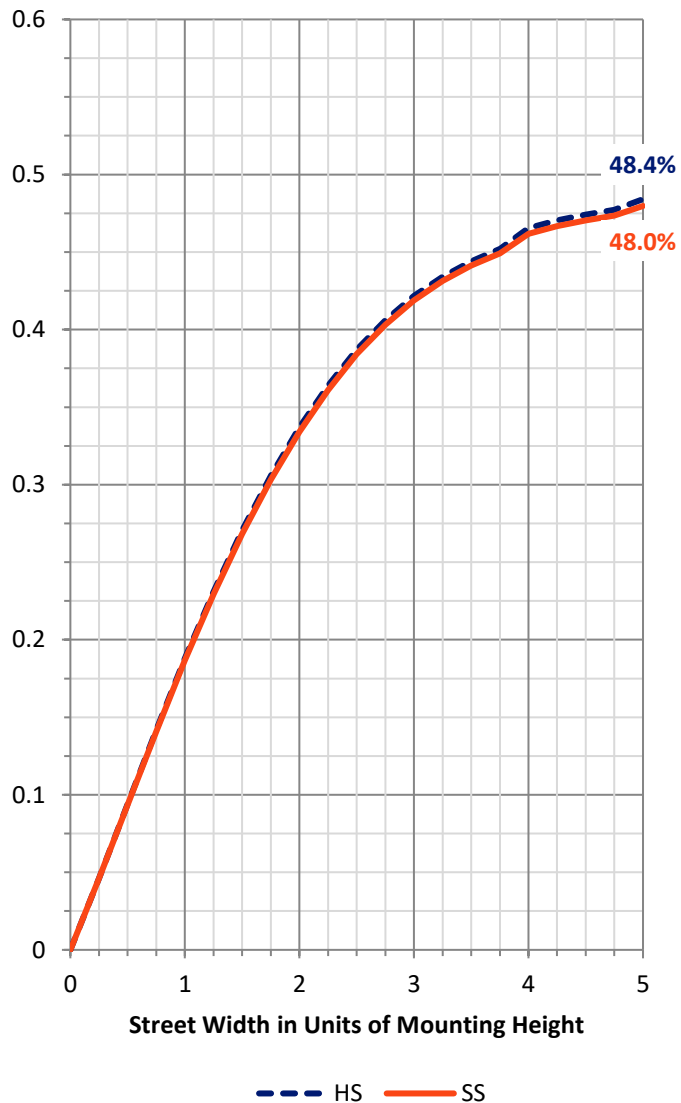
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1128.1	29.0	1157.0
	% Fixture	48.7	1.3	50.0
<b>Street Side</b>	Lumens	1128.1	29.0	1157.0
	% Fixture	48.7	1.3	50.0
<b>Total</b>	Lumens	2256.2	57.9	2314.1
	% Fixture	97.5	2.5	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	0.2	0.0
10°-20°	8.8	0.4
20°-30°	46.3	2.0
30°-40°	116.4	5.0
40°-50°	212.0	9.2
50°-60°	386.5	16.7
60°-70°	699.1	30.2
70°-80°	665.8	28.8
80°-90°	121.3	5.2
90°-100°	46.9	2.0
100°-110°	6.8	0.3
110°-120°	1.8	0.1
120°-130°	1.1	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°	2256.2	97.5
0°-180°	2314.1	100.0

**Coefficient of Utilization**



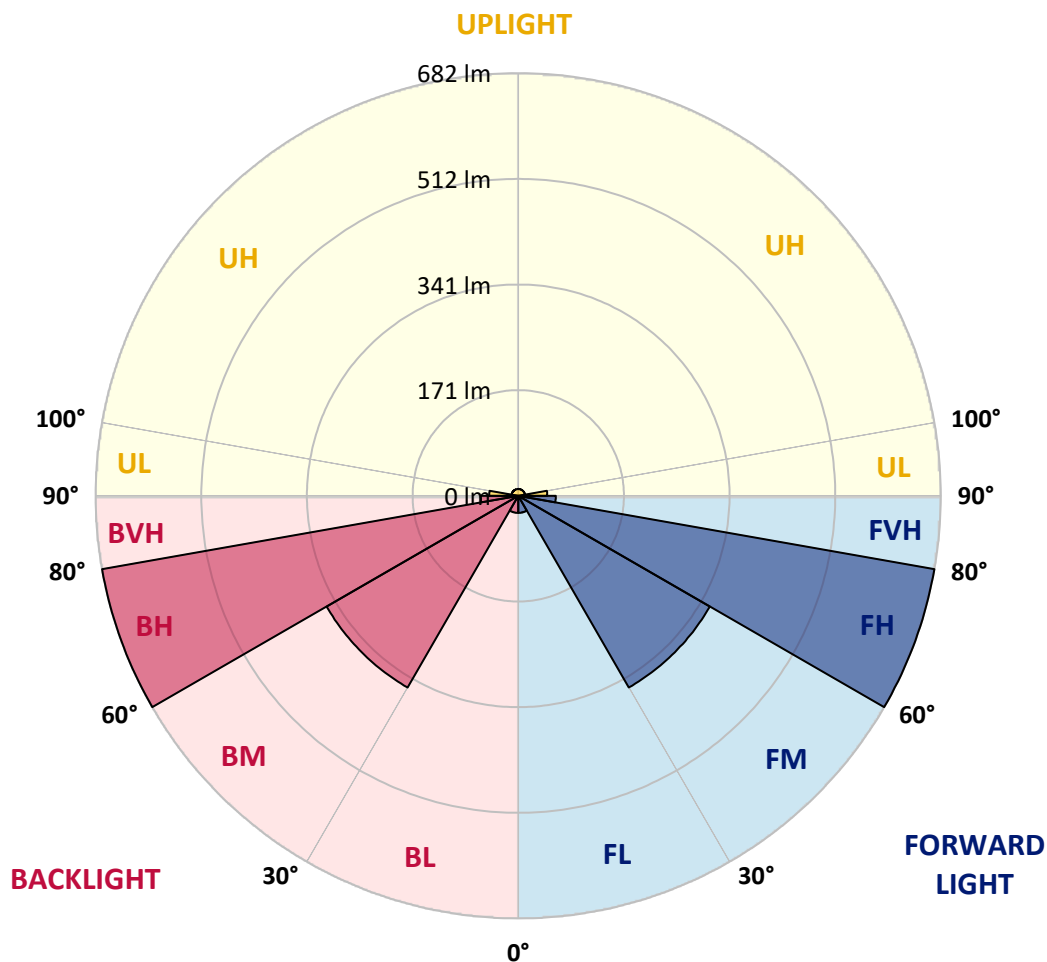
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	27.6	1.2			
FM (30°-60°)	357.4	15.4			
FH (60°-80°)	682.5	29.5			G1/1800
FVH (80°-90°)	60.6	2.6			G1/100
BL (0°-30°)	27.6	1.2	B0/110		
BM (30°-60°)	357.4	15.4	B1/1000		
BH (60°-80°)	682.5	29.5	B2/1000		G1/1800
BVH (80°-90°)	60.6	2.6			G1/100
UL (90°-100°)	46.9	2.0		U2/50	
UH (100°-180°)	11.0	0.5		U2/50	

**BUG Rating: B2-U2-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°	1.5	1.5	1.5	0.8	1.5	0.8	1.5	0.8	0.8	1.5	1.5
10°	15.8	13.6	6.8	4.5	2.3	1.5	1.5	1.5	1.5	1.5	1.5
12.5°	21.1	21.1	20.4	19.6	16.6	4.5	2.3	4.5	7.5	15.8	17.3
15°	25.6	25.6	23.4	21.9	20.4	17.3	16.6	30.9	36.9	39.2	40.7
17.5°	62.6	62.6	57.3	36.2	23.4	32.4	44.5	40.7	43.0	43.7	44.5
20°	67.8	67.1	64.8	62.6	51.3	47.5	51.3	48.2	63.3	68.6	75.4
22.5°	89.0	83.7	73.9	66.3	71.6	64.1	59.6	82.2	87.4	91.2	92.0
25°	116.8	116.1	113.1	94.2	82.2	79.9	84.4	95.7	98.0	104.0	105.5
27.5°	124.4	125.1	119.1	113.1	109.3	99.5	104.8	116.8	135.7	143.2	144.0
30°	174.1	172.6	165.8	125.9	122.1	117.6	124.4	138.0	144.7	153.0	154.5
32.5°	182.4	180.2	177.9	163.6	136.4	134.2	142.5	149.3	182.4	205.0	205.8
35°	214.8	214.8	206.6	174.9	168.1	150.8	156.8	183.9	207.3	217.1	217.1
37.5°	232.2	230.7	223.9	199.0	175.6	168.1	177.9	196.8	220.1	232.2	232.2
40°	251.8	250.3	242.7	216.4	199.8	183.9	197.5	216.4	242.7	253.3	253.3
42.5°	275.2	273.6	265.4	240.5	217.9	203.5	214.8	242.0	265.4	272.1	275.2
45°	303.0	300.8	293.2	263.8	239.7	221.6	232.2	266.9	291.0	303.8	302.3
47.5°	335.5	332.4	324.2	294.8	268.4	245.0	257.8	299.3	327.2	335.5	337.7
50°	368.6	367.1	363.4	333.2	299.3	276.7	293.2	337.0	364.1	368.6	370.1
52.5°	405.6	401.8	402.6	373.9	341.5	317.4	337.0	370.1	405.6	404.8	404.1
55°	448.5	447.8	450.0	428.9	392.0	365.6	387.5	428.9	451.6	449.3	444.8
57.5°	499.0	499.0	505.1	493.0	457.6	430.4	444.8	489.2	502.1	493.8	491.5
60°	565.4	561.6	572.2	560.9	536.7	500.6	518.6	557.1	562.4	551.8	554.1
62.5°	648.3	646.8	652.8	652.1	623.4	581.2	600.1	634.7	640.8	631.7	635.5
65°	740.3	738.8	746.3	744.1	711.6	666.4	683.0	721.4	721.4	704.1	705.6
67.5°	815.7	815.7	827.0	830.7	786.3	729.0	740.3	784.8	781.7	759.9	760.6
70°	846.6	851.1	863.9	865.4	827.7	778.7	777.2	804.4	799.1	771.9	772.7
72.5°	793.8	796.1	818.7	826.2	817.9	796.1	772.7	755.4	742.5	723.7	723.7
75°	643.0	641.5	670.9	714.6	739.5	761.4	706.4	656.6	637.8	621.2	627.2
77.5°	408.6	401.8	435.0	509.6	577.4	641.5	581.2	508.1	459.1	428.2	423.7
80°	180.2	183.9	211.1	288.0	379.2	449.3	404.8	297.8	230.7	187.7	174.9
82.5°	79.9	81.4	92.7	126.6	211.1	263.8	223.9	136.4	94.2	83.7	82.9
85°	55.0	58.0	56.5	69.4	98.0	118.4	103.3	68.6	57.3	54.3	52.0
87.5°	50.5	51.3	48.2	52.8	64.8	60.3	60.3	49.0	41.5	45.2	44.5
90°	52.8	53.5	48.2	49.8	59.6	53.5	55.8	46.0	43.0	48.2	47.5
92.5°	53.5	57.3	52.8	51.3	59.6	58.8	55.8	47.5	46.7	52.0	51.3
95°	47.5	52.8	47.5	48.2	55.0	55.8	52.8	46.7	48.2	52.0	53.5
97.5°	28.6	30.9	30.9	35.4	38.4	40.7	39.2	33.9	28.6	27.1	25.6
100°	10.6	10.6	15.1	22.6	21.1	17.3	21.9	21.9	12.8	6.8	4.5
102.5°	4.5	4.5	9.0	12.8	9.0	6.0	9.8	13.6	8.3	4.5	3.8
105°	4.5	4.5	5.3	6.8	3.8	3.0	3.8	6.8	3.8	3.8	3.8
107.5°	3.8	3.8	3.0	3.0	2.3	2.3	2.3	2.3	3.0	3.8	4.5
110°	3.8	3.0	2.3	2.3	2.3	2.3	2.3	2.3	2.3	3.8	3.8

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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	3.0	2.3	1.5	1.5	1.5	2.3	1.5	1.5	1.5	2.3	2.3
115°	2.3	2.3	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.3	2.3
117.5°	2.3	2.3	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.3	2.3
120°	2.3	2.3	1.5	0.8	0.8	0.8	1.5	1.5	1.5	2.3	2.3
122.5°	2.3	2.3	1.5	0.8	0.8	0.8	0.8	0.8	1.5	2.3	2.3
125°	2.3	2.3	1.5	0.8	0.8	0.8	0.8	0.8	1.5	2.3	2.3
127.5°	2.3	1.5	1.5	0.8	0.8	0.8	0.8	0.8	1.5	2.3	2.3
130°	1.5	1.5	0.8	0.8	0.8	0.8	0.8	0.8	1.5	1.5	1.5
132.5°	1.5	1.5	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.5	1.5
135°	1.5	1.5	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.5	1.5
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°	1.5	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.5	1.5
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)