

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: P694614

Luminaire Tested: **LXF.LXT-PA16-20-750-U-5WQ-TL**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P694614  
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-PA16-20-750-U-5WQ-TL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 5000K, 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: 2970 lumens  
Efficiency: N/A  
Efficacy: 136.2 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

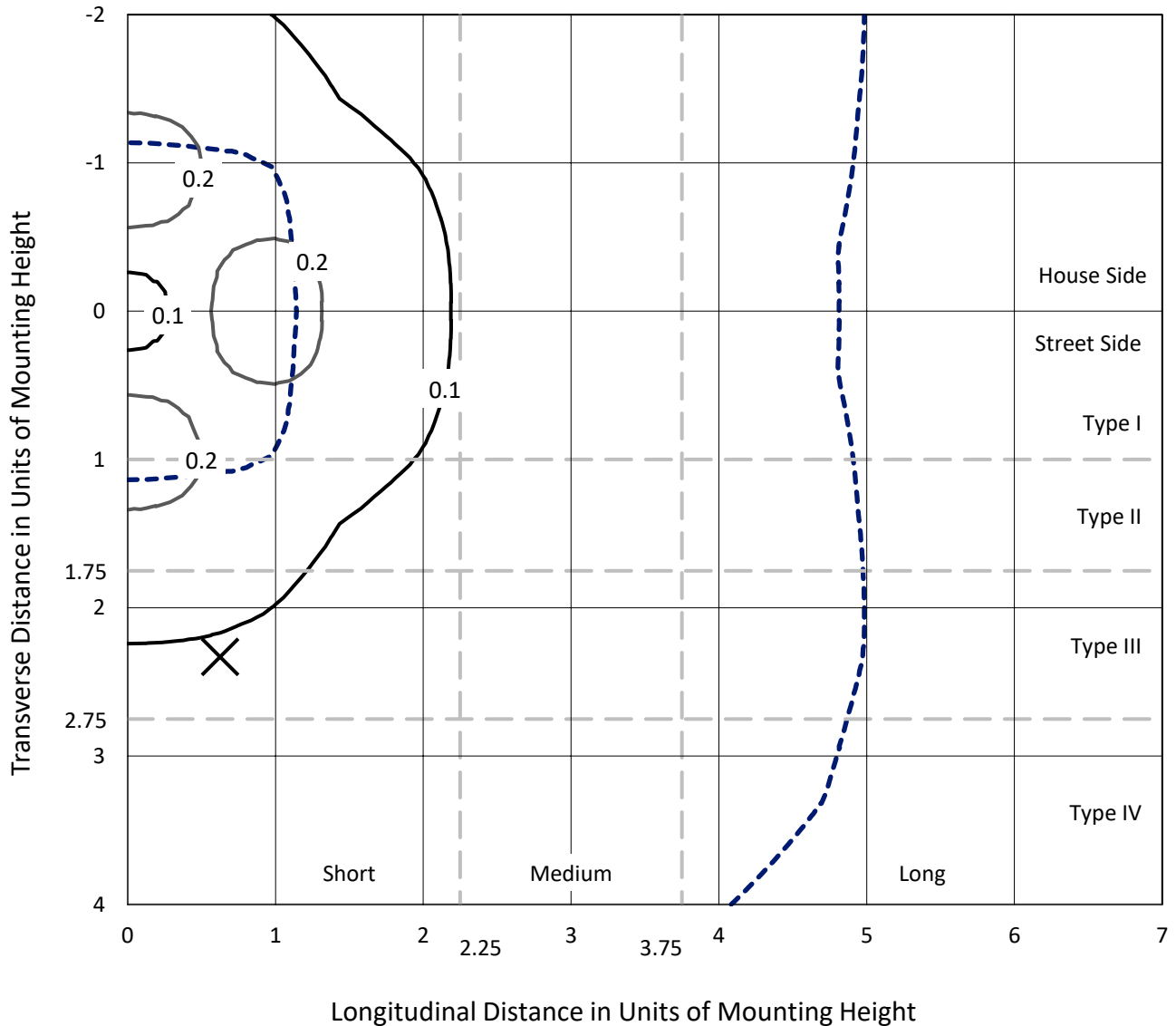
Input Watts (W): 21.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

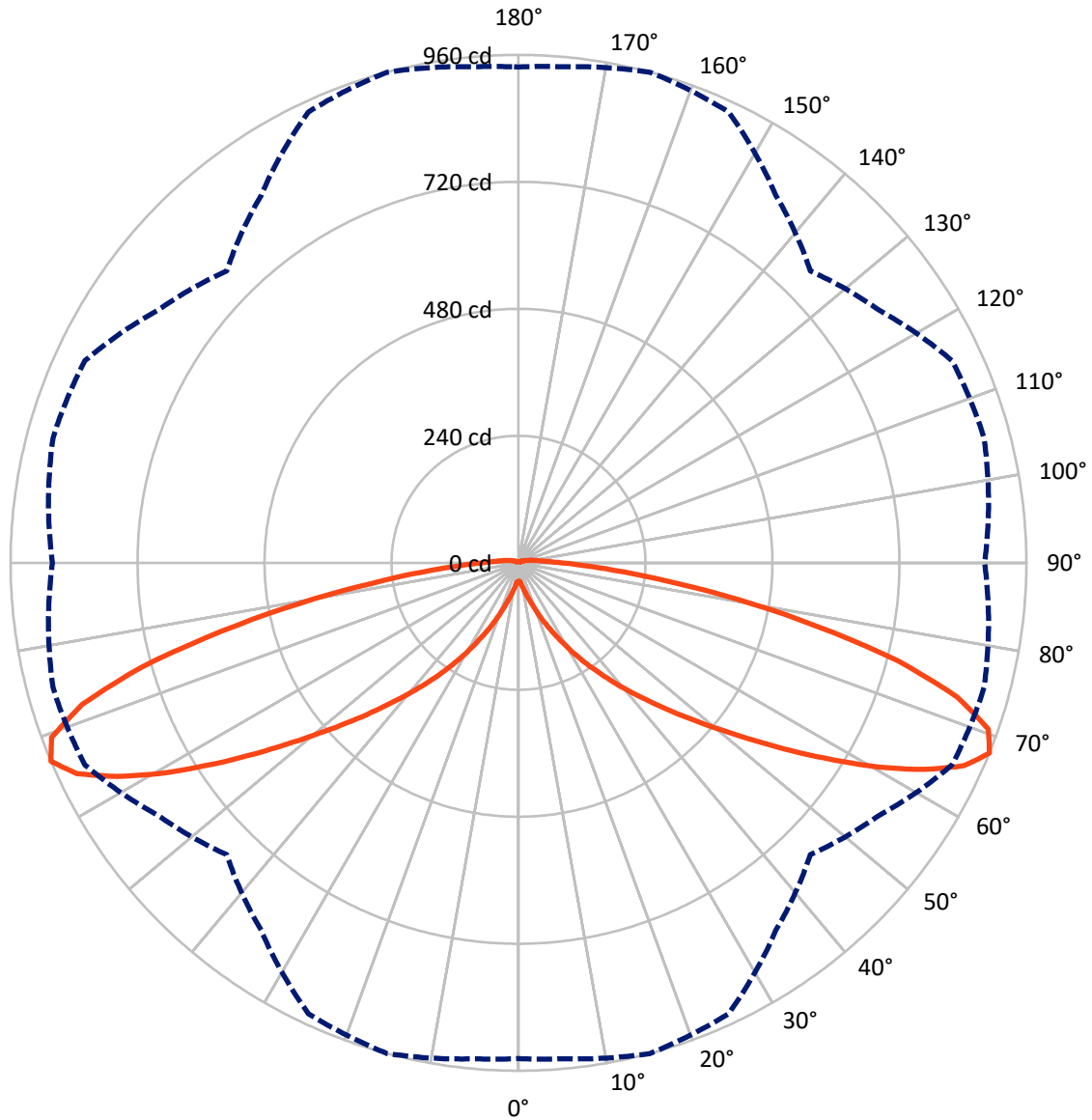
× Max cd  
 - - - 1/2 Max cd



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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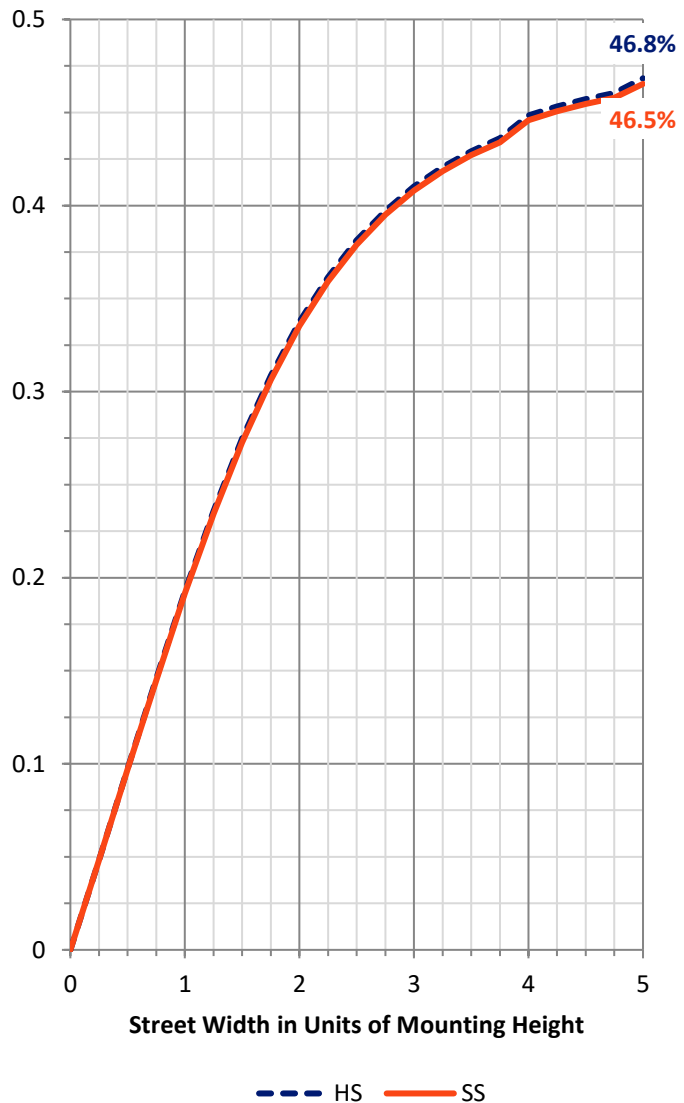
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1437.3	47.7	1485.0
	% Fixture	48.4	1.6	50.0
<b>Street Side</b>	Lumens	1437.3	47.7	1485.0
	% Fixture	48.4	1.6	50.0
<b>Total</b>	Lumens	2874.6	95.5	2970.0
	% Fixture	96.8	3.2	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	3.9	0.1
10°-20°	20.2	0.7
20°-30°	63.3	2.1
30°-40°	148.7	5.0
40°-50°	289.9	9.8
50°-60°	530.4	17.9
60°-70°	833.5	28.1
70°-80°	734.8	24.7
80°-90°	250.0	8.4
90°-100°	56.0	1.9
100°-110°	21.5	0.7
110°-120°	9.5	0.3
120°-130°	4.7	0.2
130°-140°	2.6	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°	2874.6	96.8
0°-180°	2970.0	100.0

**Coefficient of Utilization**



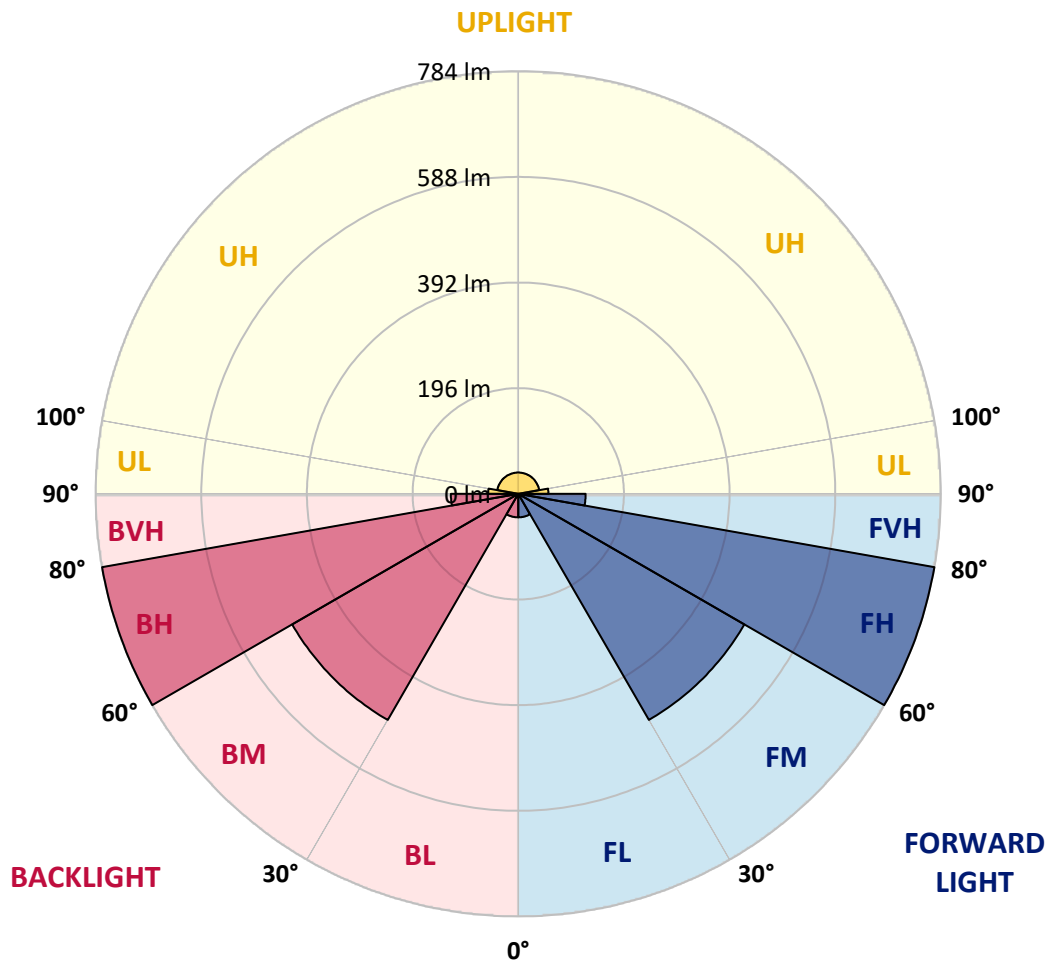
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	43.7	1.5			
FM (30°-60°)	484.5	16.3			
FH (60°-80°)	784.1	26.4			G1/1800
FVH (80°-90°)	125.0	4.2			G2/225
BL (0°-30°)	43.7	1.5	B0/110		
BM (30°-60°)	484.5	16.3	B1/1000		
BH (60°-80°)	784.1	26.4	B2/1000		G1/1800
BVH (80°-90°)	125.0	4.2			G2/225
UL (90°-100°)	56.0	1.9		U3/500	
UH (100°-180°)	39.5	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°	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
2.5°	35.0	35.0	35.0	35.0	36.0	36.0	36.0	35.0	35.0	35.0	35.0
5°	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	37.0
7.5°	42.0	42.0	42.0	42.0	42.0	43.0	42.0	42.0	42.0	42.0	42.0
10°	49.0	49.0	49.0	49.0	48.0	48.0	48.0	48.0	47.0	48.0	47.0
12.5°	58.0	58.0	58.0	57.0	56.0	56.0	56.0	55.0	56.0	56.0	56.0
15°	70.0	70.0	69.0	68.0	66.0	65.0	66.0	66.0	66.0	67.0	67.0
17.5°	83.0	84.0	82.0	80.0	78.0	78.0	77.0	78.0	80.0	81.0	81.0
20°	102.0	101.0	98.0	95.0	92.0	91.0	91.0	94.0	96.0	97.0	98.0
22.5°	121.0	121.0	118.0	112.0	108.0	106.0	107.0	110.0	115.0	119.0	119.0
25°	145.0	143.0	139.0	131.0	125.0	123.0	124.0	129.0	137.0	140.0	142.0
27.5°	169.0	168.0	162.0	153.0	144.0	140.0	143.0	152.0	161.0	167.0	169.0
30°	197.0	196.0	189.0	177.0	165.0	159.0	164.0	175.0	189.0	196.0	198.0
32.5°	228.0	227.0	218.0	202.0	186.0	180.0	186.0	202.0	218.0	227.0	228.0
35°	261.0	258.0	248.0	230.0	209.0	201.0	209.0	230.0	249.0	261.0	262.0
37.5°	294.0	292.0	281.0	260.0	235.0	225.0	234.0	261.0	282.0	296.0	293.0
40°	328.0	327.0	316.0	291.0	263.0	250.0	264.0	291.0	317.0	332.0	333.0
42.5°	367.0	367.0	353.0	327.0	293.0	278.0	293.0	328.0	357.0	369.0	370.0
45°	410.0	407.0	396.0	368.0	329.0	311.0	329.0	368.0	397.0	411.0	410.0
47.5°	454.9	452.9	443.0	415.0	369.0	350.0	368.0	413.0	443.0	452.9	452.9
50°	506.9	504.9	495.9	466.9	417.0	394.0	418.0	462.9	495.9	504.9	501.9
52.5°	566.9	560.9	556.9	528.9	474.9	445.0	470.9	524.9	554.9	556.9	556.9
55°	625.9	629.9	626.9	596.9	536.9	500.9	532.9	591.9	618.9	622.9	617.9
57.5°	700.9	704.9	702.9	671.9	606.9	563.9	599.9	664.9	687.9	686.9	685.9
60°	783.9	785.9	783.9	756.9	684.9	630.9	673.9	741.9	763.9	757.9	752.9
62.5°	856.9	858.9	859.9	839.9	753.9	693.9	737.9	814.9	831.9	821.9	818.9
65°	915.9	914.9	924.9	903.9	812.9	745.9	795.9	876.9	886.9	870.9	865.9
67.5°	936.9	940.9	959.9	939.9	847.9	779.9	831.9	903.9	910.9	890.9	880.9
70°	909.9	918.9	941.9	931.9	847.9	784.9	832.9	895.9	892.9	867.9	857.9
72.5°	835.9	837.9	866.9	871.9	809.9	757.9	794.9	839.9	824.9	790.9	787.9
75°	704.9	704.9	740.9	762.9	728.9	686.9	715.9	735.9	712.9	672.9	667.9
77.5°	539.9	545.9	575.9	623.9	615.9	595.9	608.9	612.9	564.9	522.9	523.9
80°	380.0	388.0	420.0	468.9	482.9	481.9	484.9	458.9	414.0	380.0	375.0
82.5°	255.0	251.0	281.0	325.0	358.0	364.0	362.0	326.0	282.0	250.0	246.0
85°	155.0	156.0	180.0	216.0	246.0	261.0	250.0	218.0	178.0	157.0	156.0
87.5°	96.0	98.0	112.0	136.0	167.0	181.0	169.0	141.0	112.0	97.0	96.0
90°	65.0	65.0	74.0	89.0	110.0	124.0	113.0	91.0	74.0	65.0	64.0
92.5°	47.0	49.0	52.0	62.0	77.0	86.0	78.0	62.0	52.0	47.0	46.0
95°	37.0	37.0	40.0	45.0	56.0	62.0	56.0	46.0	40.0	36.0	36.0
97.5°	29.0	30.0	32.0	36.0	43.0	47.0	43.0	36.0	32.0	29.0	28.0
100°	23.0	24.0	26.0	30.0	35.0	37.0	35.0	30.0	26.0	23.0	23.0
102.5°	18.0	19.0	21.0	25.0	29.0	30.0	29.0	24.0	21.0	18.0	18.0
105°	14.0	14.0	17.0	21.0	24.0	25.0	24.0	20.0	17.0	14.0	14.0
107.5°	11.0	11.0	14.0	17.0	20.0	21.0	20.0	17.0	13.0	11.0	11.0
110°	9.0	9.0	11.0	14.0	17.0	18.0	17.0	14.0	11.0	9.0	9.0

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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	7.0	7.0	9.0	12.0	14.0	15.0	14.0	12.0	9.0	7.0	7.0
115°	6.0	6.0	7.0	10.0	12.0	13.0	12.0	10.0	7.0	6.0	6.0
117.5°	5.0	5.0	6.0	8.0	10.0	11.0	10.0	8.0	6.0	5.0	5.0
120°	5.0	5.0	5.0	7.0	9.0	10.0	9.0	7.0	5.0	5.0	5.0
122.5°	4.0	4.0	5.0	6.0	8.0	8.0	7.0	6.0	5.0	4.0	4.0
125°	4.0	4.0	4.0	5.0	6.0	7.0	6.0	5.0	4.0	4.0	4.0
127.5°	4.0	4.0	4.0	4.0	6.0	6.0	6.0	4.0	4.0	4.0	4.0
130°	3.0	3.0	3.0	4.0	5.0	5.0	5.0	4.0	4.0	3.0	4.0
132.5°	3.0	3.0	3.0	4.0	4.0	5.0	4.0	4.0	3.0	3.0	3.0
135°	3.0	3.0	3.0	3.0	4.0	4.0	4.0	3.0	3.0	3.0	3.0
137.5°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
140°	2.0	2.0	2.0	2.0	3.0	3.0	3.0	2.0	2.0	3.0	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)