

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: P694613

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

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P694613  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-4)  
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-FL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 5000K, 420mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS  
AND FROSTED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2908 lumens  
Efficiency: N/A  
Efficacy: 133.4 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type V - Medium  
BUG Rating: B2 - U3 - G2

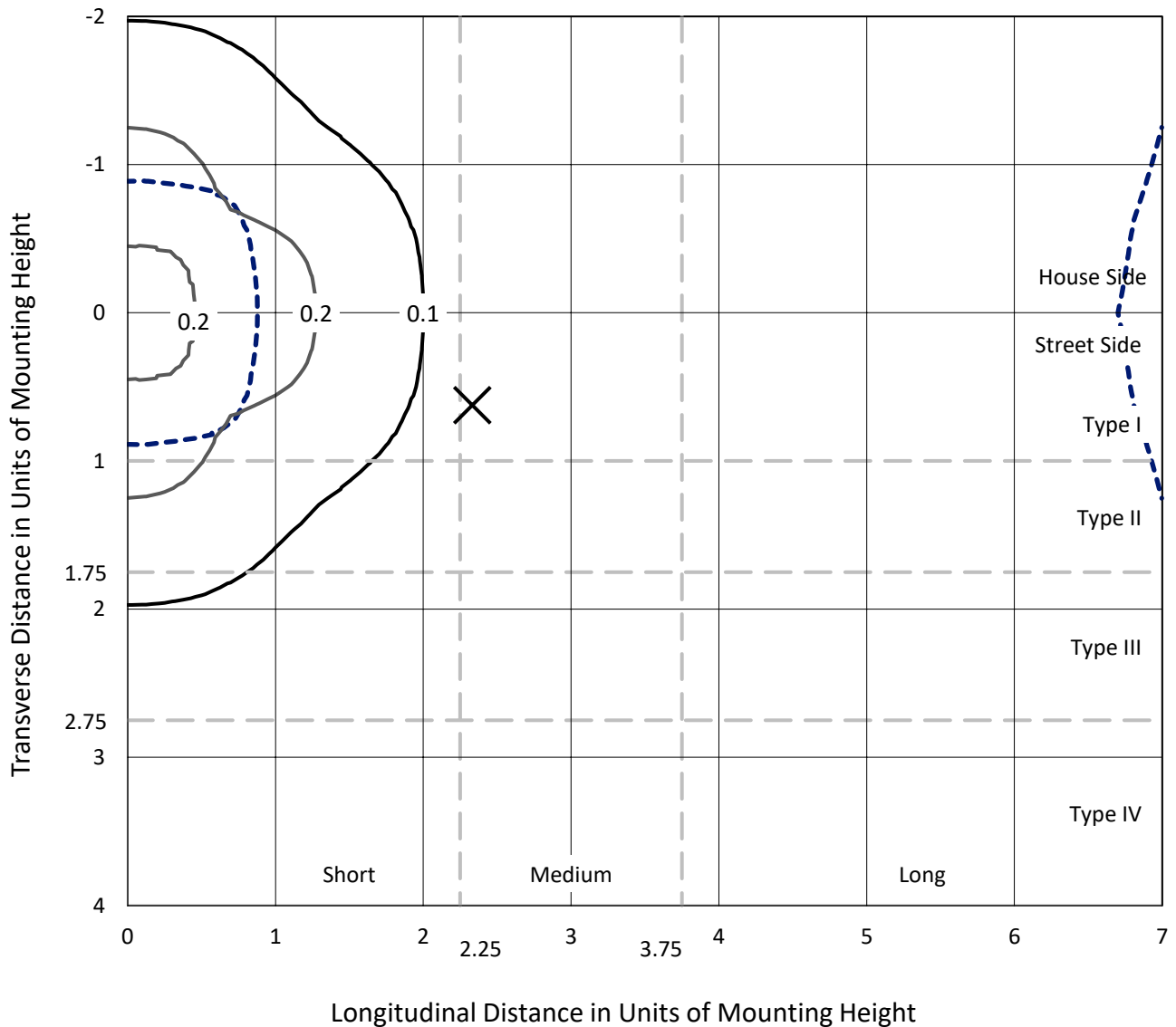
Input Watts (W): 21.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

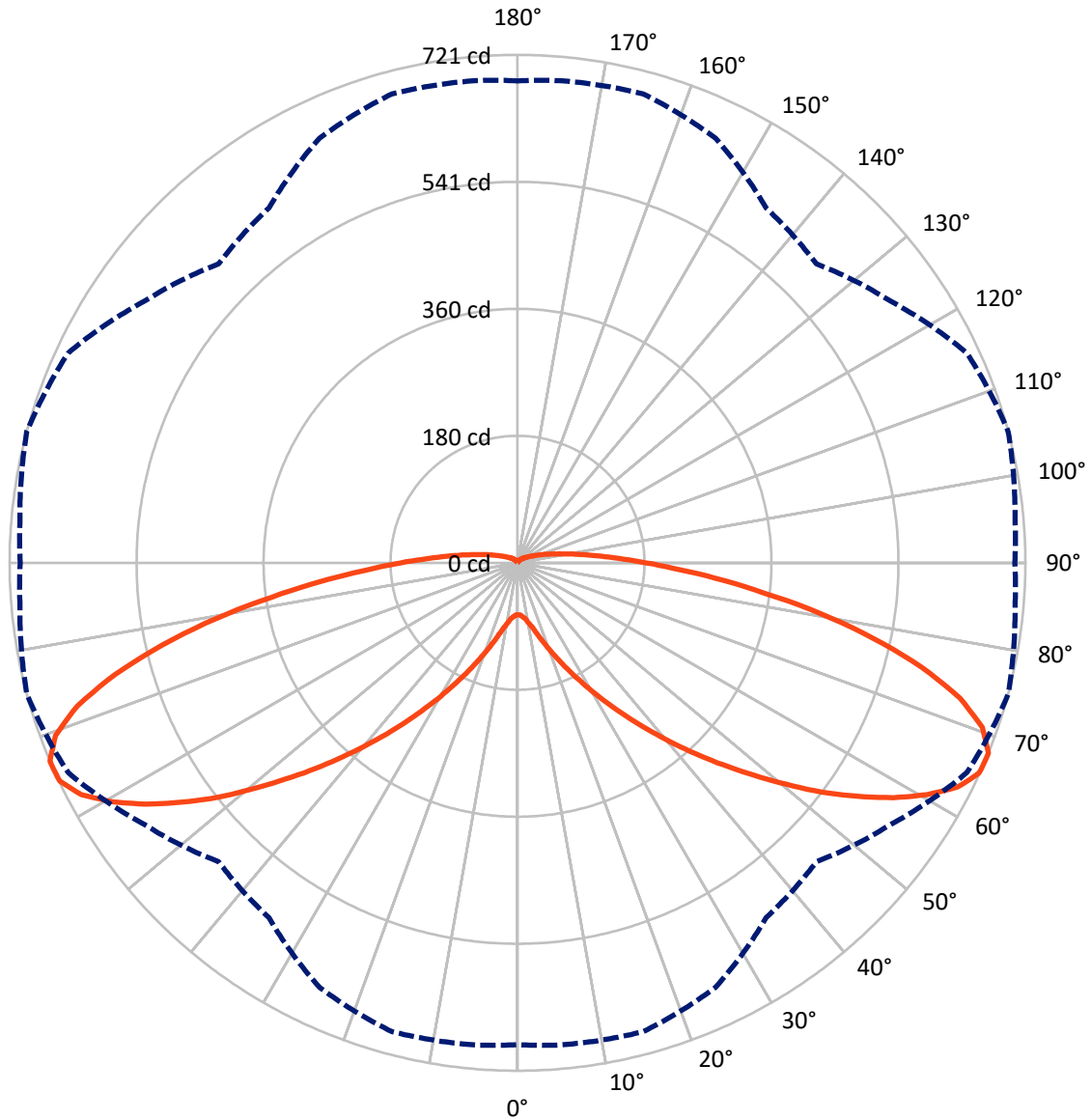
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.2 fc  
 Type V - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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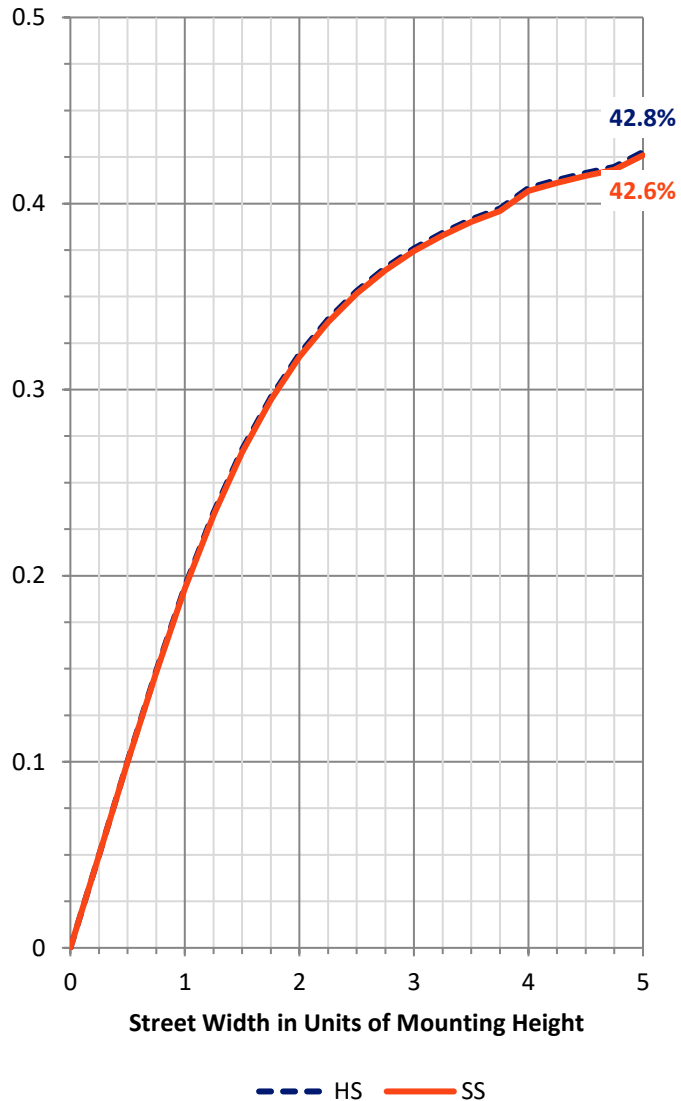
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1326.8	127.2	1454.0
	% Fixture	45.6	4.4	50.0
<b>Street Side</b>	Lumens	1326.8	127.2	1454.0
	% Fixture	45.6	4.4	50.0
<b>Total</b>	Lumens	2653.6	254.4	2908.0
	% Fixture	91.3	8.7	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	7.6	0.3
10°-20°	30.9	1.1
20°-30°	79.1	2.7
30°-40°	165.8	5.7
40°-50°	302.6	10.4
50°-60°	489.8	16.8
60°-70°	651.8	22.4
70°-80°	594.0	20.4
80°-90°	332.0	11.4
90°-100°	141.2	4.9
100°-110°	61.1	2.1
110°-120°	28.8	1.0
120°-130°	14.2	0.5
130°-140°	6.6	0.2
140°-150°	2.4	0.1
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2653.6	91.3
0°-180°	2908.0	100.0

**Coefficient of Utilization**

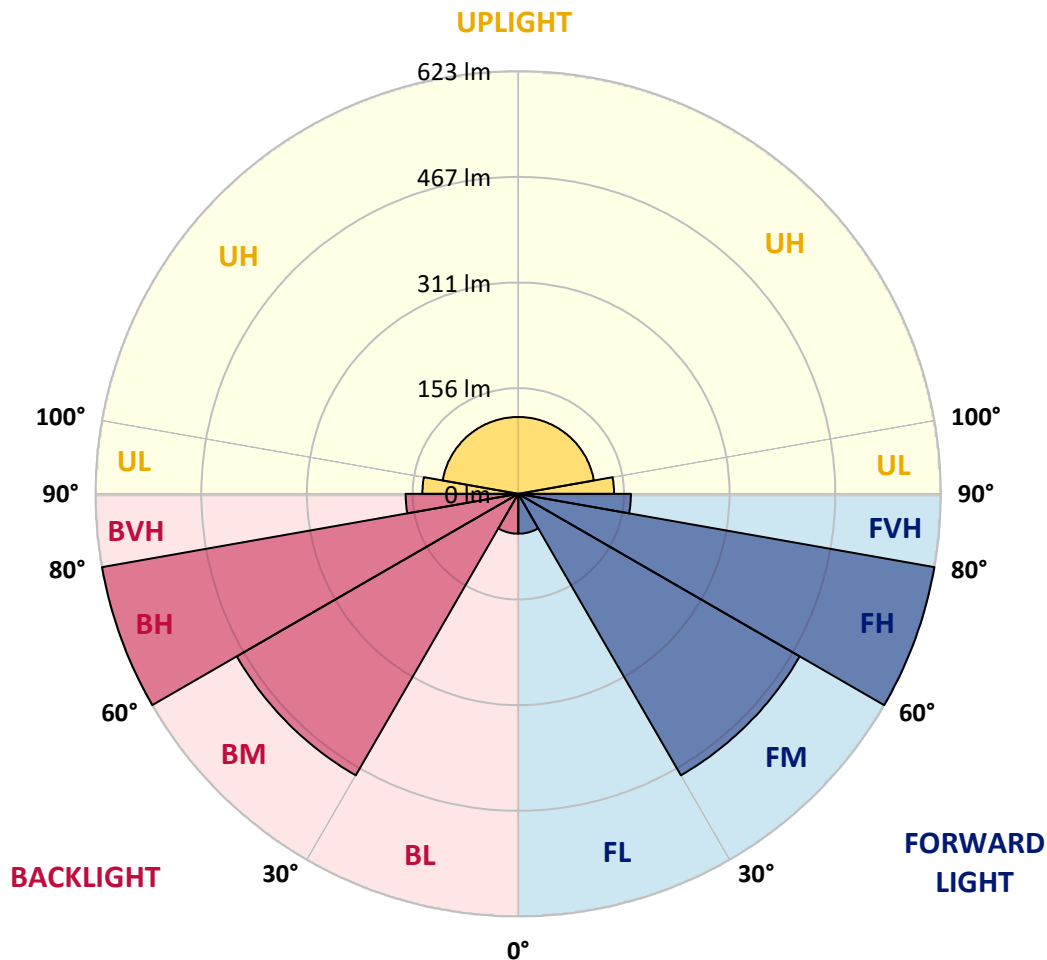


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	58.8	2.0			
FM (30°-60°)	479.1	16.5			
FH (60°-80°)	622.9	21.4			G0/660
FVH (80°-90°)	166.0	5.7			G2/225
BL (0°-30°)	58.8	2.0	B0/110		
BM (30°-60°)	479.1	16.5	B1/1000		
BH (60°-80°)	622.9	21.4	B2/1000		G0/660
BVH (80°-90°)	166.0	5.7			G2/225
UL (90°-100°)	141.2	4.9		U3/500	
UH (100°-180°)	113.2	3.9		U3/500	

**BUG Rating: B2-U3-G2**  
 Type V Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
2.5°	74.0	74.0	74.0	74.0	74.0	75.0	75.0	74.0	74.0	74.0	74.0
5°	76.0	76.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
7.5°	80.0	80.0	80.0	81.0	81.0	81.0	81.0	80.0	80.0	80.0	81.0
10°	87.0	87.0	86.0	87.0	86.0	86.0	87.0	86.0	87.0	86.0	86.0
12.5°	95.0	95.0	95.0	95.0	94.0	94.0	94.0	94.0	94.0	95.0	95.0
15°	106.0	106.0	106.0	105.0	104.0	103.0	104.0	105.0	105.0	106.0	106.0
17.5°	120.0	120.0	119.0	118.0	117.0	116.0	116.0	117.0	118.0	119.0	119.0
20°	135.0	135.0	134.0	132.0	130.0	131.0	131.0	132.0	133.0	134.0	134.0
22.5°	152.0	151.0	150.0	148.0	147.0	146.0	147.0	147.0	150.0	152.0	151.0
25°	171.0	171.0	169.0	166.0	164.0	164.0	165.0	166.0	169.0	171.0	172.0
27.5°	193.0	191.0	189.0	186.0	183.0	182.0	183.0	187.0	190.0	194.0	193.0
30°	217.0	216.0	212.0	208.0	203.0	201.0	205.0	209.0	214.0	217.0	219.0
32.5°	243.0	243.0	238.0	231.0	225.0	223.0	226.0	234.0	240.0	244.0	247.0
35°	271.0	271.0	265.0	257.0	249.0	245.0	251.0	261.0	269.0	275.0	276.0
37.5°	304.0	302.0	296.0	285.0	272.0	270.0	277.0	289.0	300.0	307.0	307.0
40°	337.0	335.0	329.0	315.0	298.0	295.0	303.0	321.0	334.0	340.0	341.0
42.5°	373.0	370.0	364.0	349.0	328.0	322.0	334.0	355.0	370.0	377.0	377.0
45°	408.0	409.0	400.0	383.0	360.0	351.0	366.0	391.0	409.0	415.0	417.0
47.5°	447.0	448.0	439.0	418.0	392.0	384.0	401.0	428.0	450.0	455.0	457.0
50°	489.9	489.9	482.9	457.0	428.0	417.0	438.0	472.9	493.9	498.9	499.9
52.5°	531.9	530.9	525.9	496.9	463.9	452.0	475.9	515.9	540.9	541.9	541.9
55°	573.9	572.9	566.9	538.9	499.9	486.9	515.9	560.9	584.9	586.9	587.9
57.5°	610.9	610.9	604.9	576.9	533.9	519.9	553.9	603.9	628.9	628.9	628.9
60°	644.9	644.9	641.9	611.9	565.9	550.9	589.9	643.9	667.9	664.9	664.9
62.5°	670.9	671.9	669.9	639.9	590.9	576.9	619.9	676.9	700.9	694.9	691.9
65°	685.9	686.9	687.9	659.9	609.9	594.9	639.9	699.9	719.9	710.9	707.9
67.5°	683.9	686.9	688.9	664.9	614.9	599.9	646.9	703.9	720.9	708.9	705.9
70°	664.9	668.9	672.9	652.9	606.9	592.9	637.9	690.9	699.9	685.9	680.9
72.5°	627.9	628.9	638.9	624.9	584.9	570.9	609.9	654.9	656.9	639.9	633.9
75°	572.9	572.9	585.9	575.9	545.9	533.9	565.9	598.9	592.9	574.9	567.9
77.5°	502.9	507.9	518.9	517.9	493.9	487.9	510.9	525.9	516.9	493.9	486.9
80°	425.0	429.0	445.0	449.0	435.0	429.0	445.0	450.0	436.0	413.0	407.0
82.5°	353.0	357.0	372.0	383.0	374.0	369.0	377.0	373.0	353.0	333.0	329.0
85°	287.0	288.0	306.0	314.0	314.0	310.0	311.0	300.0	282.0	261.0	255.0
87.5°	229.0	229.0	245.0	257.0	260.0	257.0	254.0	240.0	220.0	203.0	202.0
90°	181.0	182.0	195.0	207.0	212.0	210.0	203.0	189.0	173.0	158.0	156.0
92.5°	144.0	146.0	156.0	168.0	174.0	173.0	165.0	152.0	136.0	124.0	123.0
95°	116.0	116.0	125.0	135.0	142.0	142.0	135.0	122.0	108.0	97.0	96.0
97.5°	92.0	93.0	101.0	110.0	116.0	116.0	110.0	99.0	86.0	77.0	75.0
100°	75.0	75.0	81.0	90.0	96.0	96.0	90.0	80.0	69.0	61.0	60.0
102.5°	60.0	61.0	66.0	74.0	79.0	80.0	75.0	67.0	56.0	49.0	49.0
105°	50.0	50.0	55.0	61.0	66.0	67.0	63.0	55.0	46.0	40.0	39.0
107.5°	41.0	41.0	45.0	52.0	56.0	57.0	53.0	46.0	38.0	33.0	32.0
110°	35.0	34.0	37.0	43.0	48.0	48.0	45.0	39.0	31.0	27.0	27.0

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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	29.0	29.0	31.0	36.0	40.0	42.0	39.0	33.0	26.0	23.0	23.0
115°	25.0	25.0	27.0	31.0	35.0	35.0	33.0	27.0	22.0	20.0	20.0
117.5°	22.0	22.0	23.0	26.0	29.0	30.0	28.0	23.0	19.0	17.0	17.0
120°	19.0	19.0	20.0	22.0	25.0	26.0	24.0	20.0	16.0	15.0	15.0
122.5°	17.0	17.0	17.0	19.0	22.0	22.0	20.0	17.0	14.0	13.0	13.0
125°	15.0	15.0	15.0	16.0	18.0	19.0	17.0	14.0	12.0	12.0	12.0
127.5°	13.0	13.0	13.0	14.0	16.0	16.0	15.0	12.0	11.0	11.0	11.0
130°	12.0	12.0	12.0	12.0	13.0	13.0	12.0	10.0	10.0	10.0	10.0
132.5°	10.0	10.0	10.0	10.0	11.0	11.0	10.0	9.0	8.0	9.0	9.0
135°	9.0	9.0	9.0	9.0	9.0	9.0	8.0	7.0	7.0	8.0	8.0
137.5°	8.0	8.0	8.0	7.0	7.0	7.0	6.0	6.0	7.0	7.0	7.0
140°	7.0	7.0	6.0	6.0	6.0	5.0	5.0	5.0	6.0	6.0	6.0
142.5°	6.0	6.0	5.0	5.0	4.0	4.0	4.0	4.0	5.0	5.0	5.0
145°	4.0	4.0	4.0	4.0	3.0	3.0	3.0	3.0	4.0	4.0	4.0
147.5°	3.0	3.0	3.0	3.0	2.0	2.0	2.0	3.0	3.0	3.0	3.0
150°	2.0	2.0	2.0	2.0	2.0	1.0	2.0	2.0	2.0	2.0	2.0
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)