

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: P694521

Luminaire Tested: **LXF.LXT-PA16-20-730-U-5WQ-A**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694521
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-PA16-20-730-U-5WQ-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 420mA 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: 2722 lumens
Efficiency: N/A
Efficacy: 124.9 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

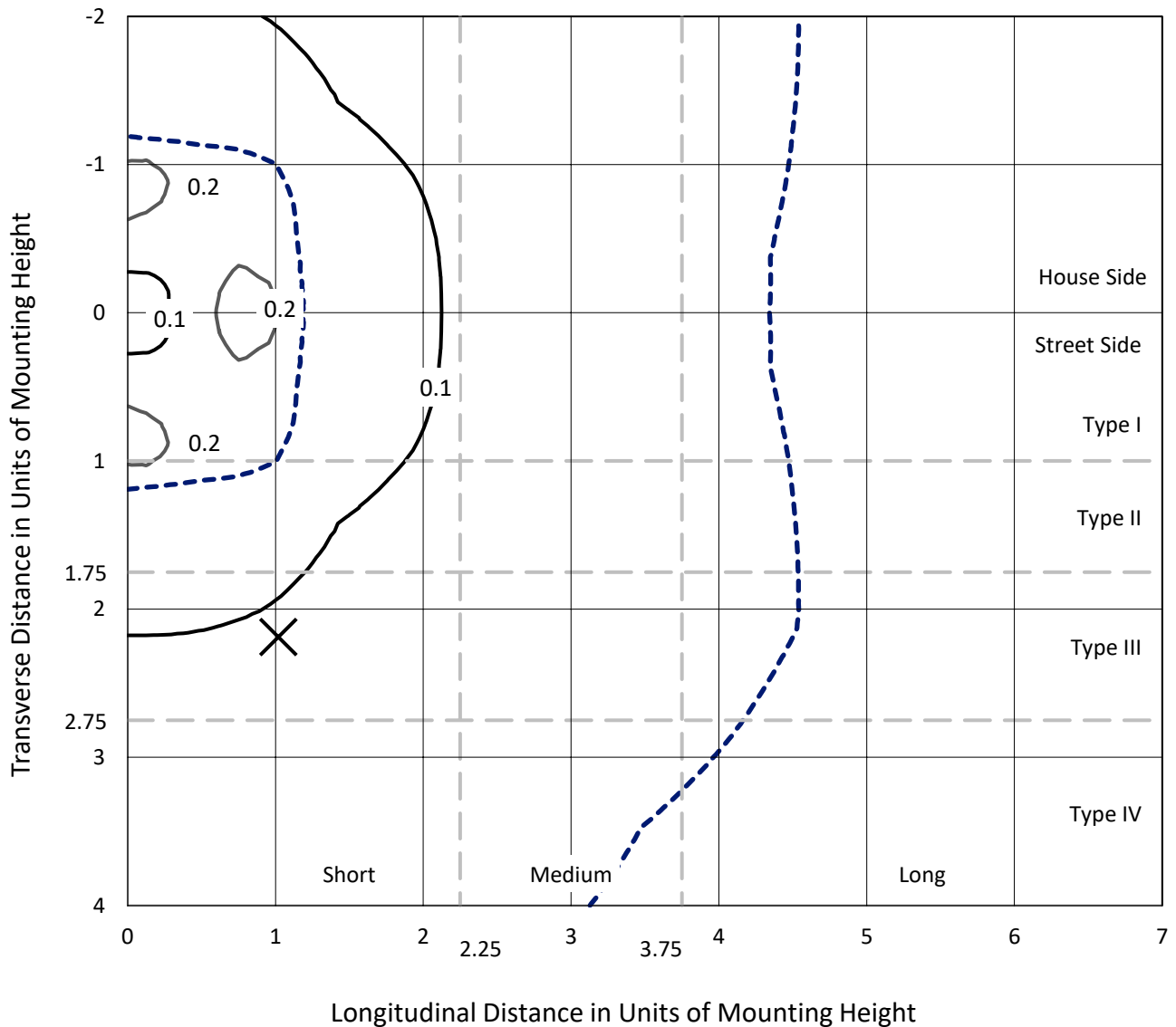
Input Watts (W): 21.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

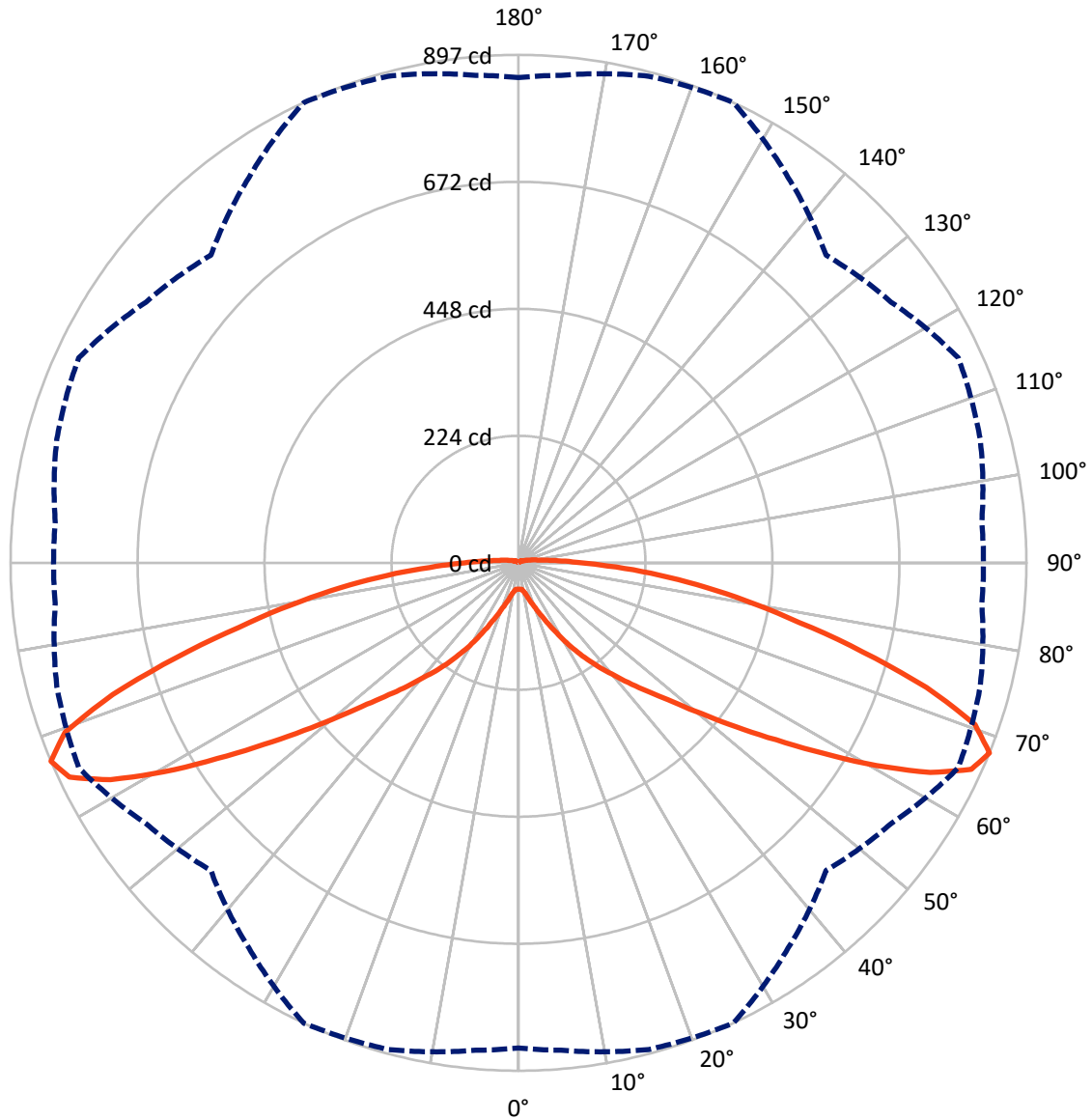
× Max cd
 - - - 1/2 Max cd



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

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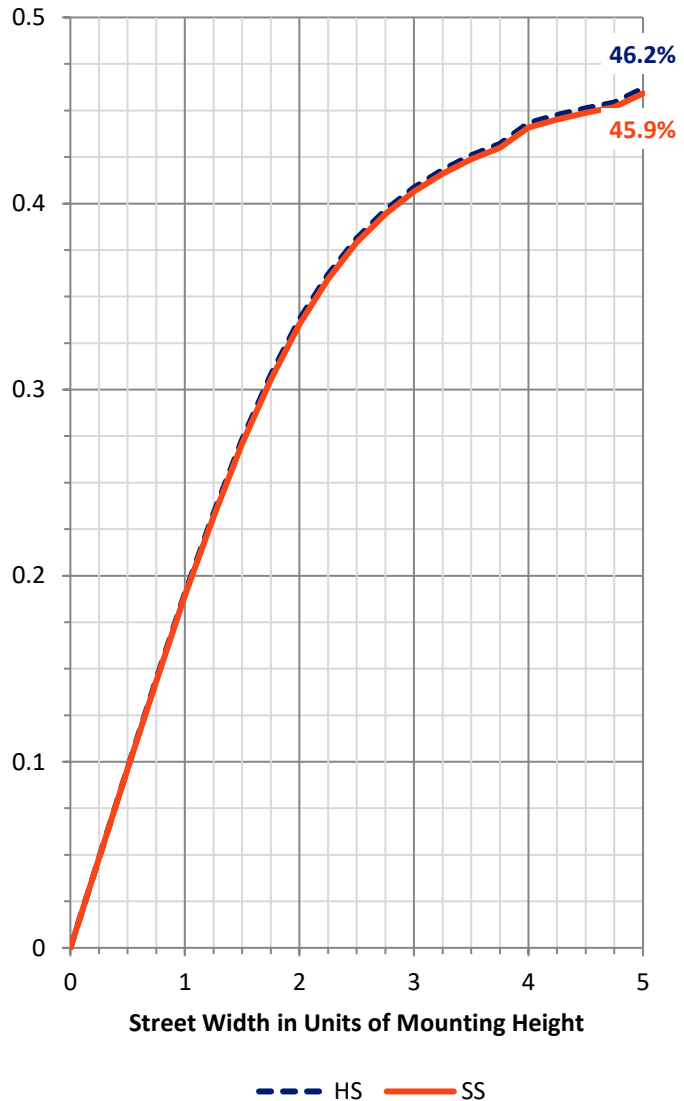
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1312.1	48.9	1361.0
	% Fixture	48.2	1.8	50.0
Street Side	Lumens	1312.1	48.9	1361.0
	% Fixture	48.2	1.8	50.0
Total	Lumens	2624.2	97.8	2722.0
	% Fixture	96.4	3.6	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.6	0.2
10°-20°	19.1	0.7
20°-30°	56.9	2.1
30°-40°	136.5	5.0
40°-50°	256.3	9.4
50°-60°	486.8	17.9
60°-70°	790.3	29.0
70°-80°	620.5	22.8
80°-90°	253.1	9.3
90°-100°	61.7	2.3
100°-110°	19.4	0.7
110°-120°	8.2	0.3
120°-130°	4.5	0.2
130°-140°	2.7	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°	2624.2	96.4
0°-180°	2722.0	100.0

Coefficient of Utilization

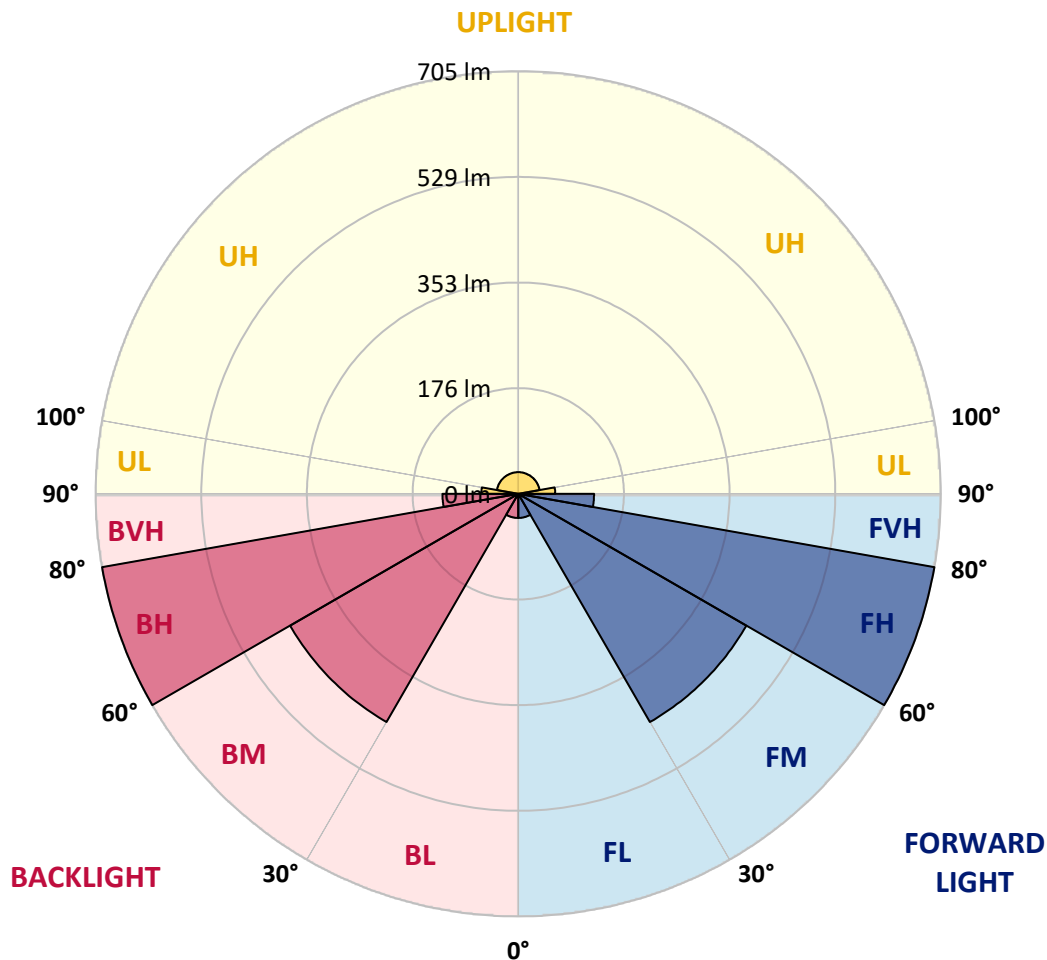


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	40.3	1.5			
FM (30°-60°)	439.8	16.2			
FH (60°-80°)	705.4	25.9			G1/1800
FVH (80°-90°)	126.5	4.6			G2/225
BL (0°-30°)	40.3	1.5	B0/110		
BM (30°-60°)	439.8	16.2	B1/1000		
BH (60°-80°)	705.4	25.9	B2/1000		G1/1800
BVH (80°-90°)	126.5	4.6			G2/225
UL (90°-100°)	61.7	2.3		U3/500	
UH (100°-180°)	36.1	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°	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
2.5°	45.7	45.7	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
5°	46.6	46.6	46.6	46.6	47.5	47.5	47.5	46.6	46.6	46.6	46.6
7.5°	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
10°	52.0	52.0	51.1	52.0	51.1	51.1	51.1	50.2	51.1	51.1	51.1
12.5°	58.4	58.4	57.5	56.6	55.7	54.8	54.8	54.8	55.7	56.6	56.6
15°	67.6	67.6	66.7	64.8	62.1	61.2	62.1	63.0	63.9	65.7	65.7
17.5°	78.5	78.5	76.7	74.0	71.2	70.3	71.2	73.0	74.9	76.7	77.6
20°	92.2	91.3	89.5	84.9	82.2	81.3	82.2	84.0	87.7	90.4	90.4
22.5°	108.7	108.7	105.0	99.5	95.0	94.0	94.0	98.6	103.2	107.7	108.7
25°	128.7	129.7	124.2	116.0	110.5	107.7	109.6	116.0	124.2	129.7	131.5
27.5°	155.2	154.3	147.0	136.0	126.9	122.3	126.9	136.0	147.9	154.3	157.0
30°	182.6	182.6	173.5	159.8	146.1	140.6	147.0	158.9	173.5	183.5	185.4
32.5°	210.0	210.0	199.0	184.4	167.1	158.9	167.1	186.3	205.4	218.2	221.0
35°	239.2	241.0	227.4	209.1	188.1	179.9	189.9	213.7	238.3	252.0	252.9
37.5°	263.0	263.0	253.8	235.6	210.0	200.0	213.7	245.6	271.2	283.0	286.7
40°	294.0	294.9	284.0	261.1	234.7	222.8	240.1	273.0	293.1	298.6	300.4
42.5°	326.0	326.9	317.7	293.1	260.2	247.4	264.8	294.0	312.3	320.5	323.2
45°	356.1	358.8	349.7	326.0	291.3	273.0	288.5	321.4	345.1	354.3	357.0
47.5°	396.3	400.8	390.8	366.1	326.0	304.0	320.5	361.6	389.9	397.2	397.2
50°	443.7	448.3	444.7	418.2	369.8	342.4	365.2	410.9	440.1	450.1	449.2
52.5°	506.7	508.6	504.9	480.3	424.6	390.8	415.4	471.1	499.4	495.8	500.4
55°	572.5	577.1	579.8	551.5	492.1	450.1	483.9	538.7	559.7	561.5	560.6
57.5°	651.9	659.2	656.5	634.6	567.0	523.2	557.0	610.8	641.0	639.1	643.7
60°	736.8	740.5	747.8	726.8	660.1	600.8	638.2	701.2	720.4	706.7	708.5
62.5°	805.3	810.8	823.6	815.4	744.1	680.2	719.5	770.6	781.6	767.9	770.6
65°	860.1	864.7	884.8	878.4	809.0	743.2	779.8	831.8	834.5	814.4	812.6
67.5°	856.4	863.8	889.3	896.6	830.0	767.9	802.6	856.4	843.7	820.8	820.8
70°	796.2	797.1	828.1	854.6	794.4	736.8	777.0	815.4	803.5	777.0	773.4
72.5°	683.9	694.8	730.4	753.3	714.0	668.4	693.0	730.4	691.2	654.7	651.9
75°	552.4	550.6	583.4	627.3	607.2	568.8	598.1	606.3	570.7	539.6	532.3
77.5°	441.0	444.7	473.0	506.7	503.1	478.4	486.7	494.0	462.0	429.1	427.3
80°	351.5	351.5	386.2	408.1	409.1	399.0	400.8	396.3	362.5	341.5	337.8
82.5°	263.0	264.8	288.5	316.8	335.1	332.4	326.0	312.3	284.9	262.0	261.1
85°	179.0	182.6	202.7	233.7	260.2	266.6	263.0	231.9	198.1	176.2	173.5
87.5°	117.8	120.5	132.4	157.0	191.7	209.1	194.5	160.7	132.4	120.5	116.9
90°	79.4	81.3	88.6	102.3	134.2	152.5	136.0	105.9	86.7	78.5	78.5
92.5°	53.9	54.8	60.3	69.4	90.4	105.9	91.3	70.3	58.4	53.0	52.0
95°	36.5	37.4	41.1	47.5	62.1	71.2	62.1	46.6	41.1	37.4	36.5
97.5°	28.3	29.2	31.0	34.7	43.8	49.3	42.9	34.7	31.0	29.2	28.3
100°	22.8	22.8	25.6	27.4	32.0	35.6	32.0	26.5	24.7	22.8	22.8
102.5°	18.3	19.2	20.1	21.9	25.6	28.3	25.6	21.0	19.2	18.3	18.3
105°	14.6	14.6	15.5	17.3	20.1	21.9	20.1	17.3	15.5	14.6	13.7
107.5°	11.9	11.0	12.8	14.6	16.4	18.3	16.4	13.7	11.9	11.0	11.0
110°	9.1	9.1	10.0	11.9	13.7	14.6	13.7	11.0	10.0	9.1	9.1

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	7.3	7.3	8.2	9.1	11.9	12.8	11.0	9.1	8.2	7.3	7.3
115°	6.4	6.4	6.4	8.2	10.0	11.0	10.0	7.3	6.4	6.4	6.4
117.5°	5.5	5.5	5.5	6.4	8.2	9.1	8.2	6.4	5.5	5.5	5.5
120°	5.5	5.5	5.5	5.5	7.3	8.2	7.3	5.5	5.5	5.5	5.5
122.5°	4.6	4.6	4.6	5.5	6.4	7.3	6.4	5.5	4.6	4.6	4.6
125°	4.6	4.6	4.6	4.6	5.5	6.4	5.5	4.6	4.6	4.6	4.6
127.5°	3.7	3.7	3.7	4.6	5.5	5.5	5.5	4.6	3.7	3.7	3.7
130°	3.7	3.7	3.7	3.7	4.6	4.6	4.6	3.7	3.7	3.7	3.7
132.5°	3.7	3.7	3.7	3.7	4.6	4.6	4.6	3.7	3.7	3.7	3.7
135°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
137.5°	2.7	2.7	2.7	2.7	2.7	3.7	2.7	2.7	2.7	2.7	2.7
140°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
142.5°	2.7	2.7	1.8	1.8	2.7	2.7	1.8	1.8	1.8	2.7	2.7
145°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
147.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
150°	0.9	0.9	0.9	0.9	0.9	1.8	0.9	0.9	0.9	0.9	0.9
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)