

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: P694943

Luminaire Tested: **LXF.LXT-PA16-30-827-U-5WQ-FL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694943
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-PA16-30-827-U-5WQ-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 560mA 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: 2837 lumens
Efficiency: N/A
Efficacy: 97.2 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

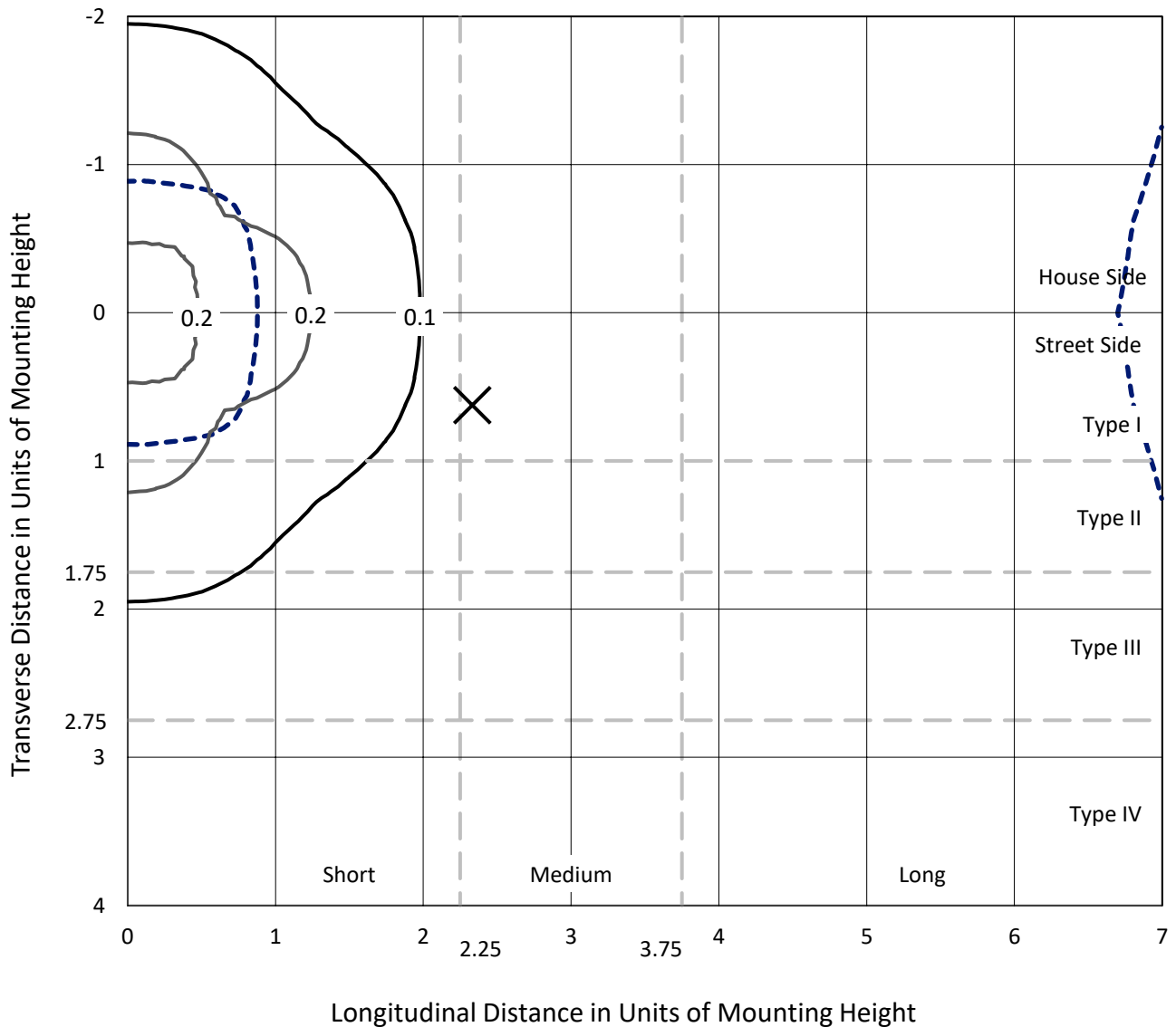
Input Watts (W): 29.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

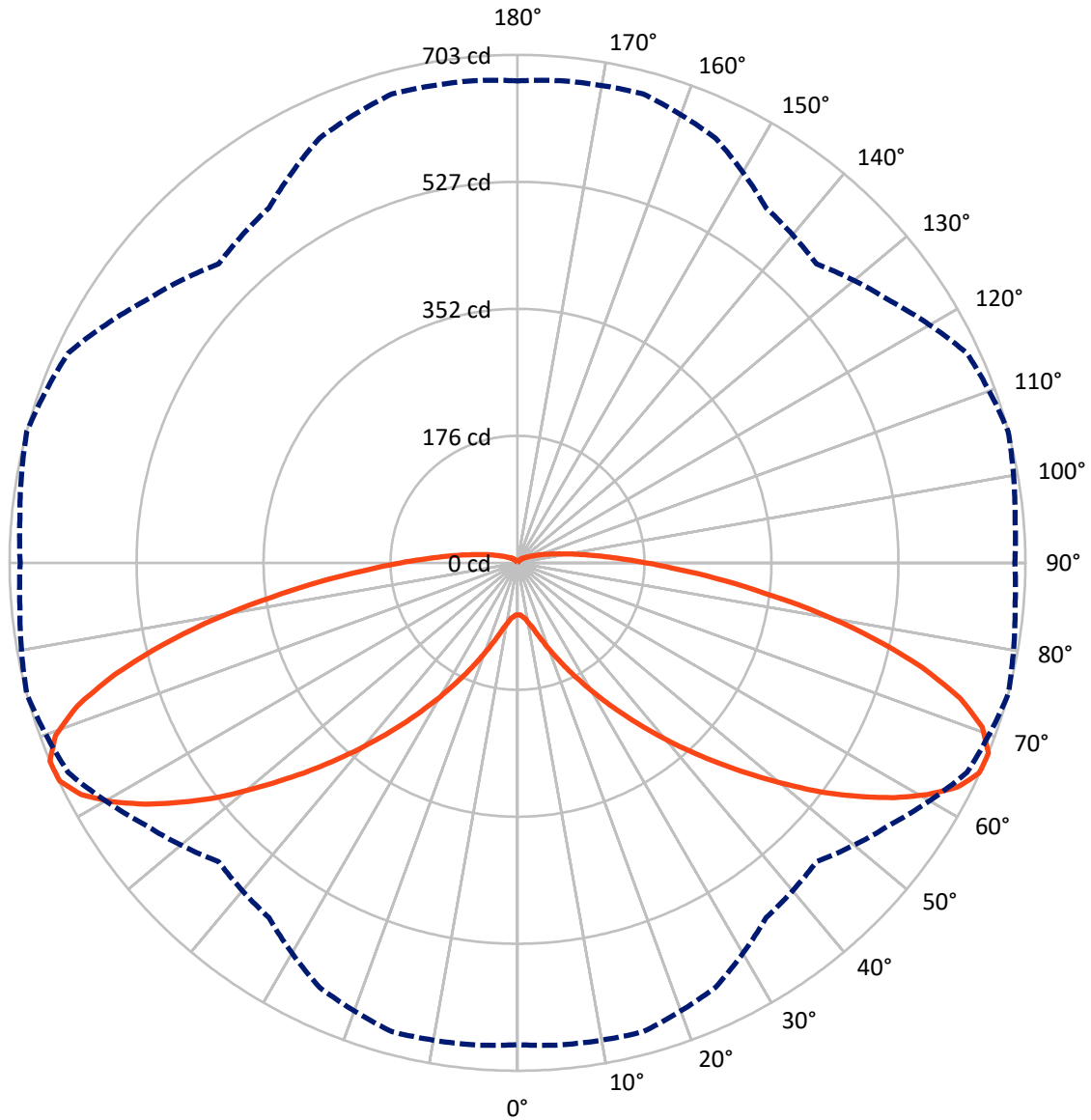
× Max cd
 - - - 1/2 Max cd



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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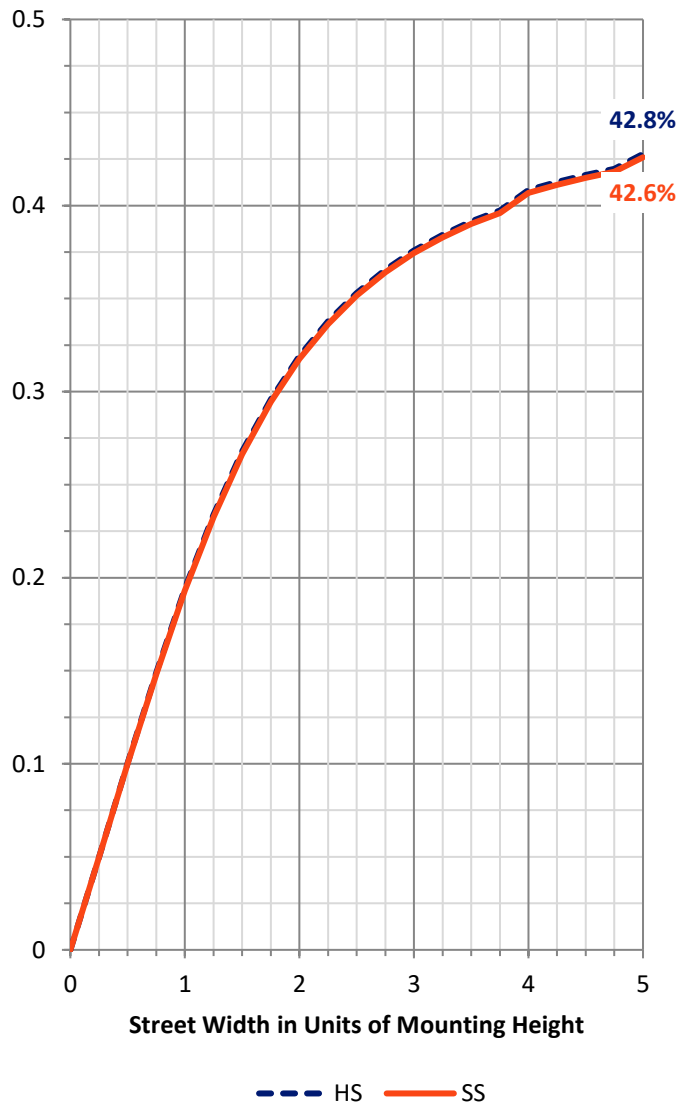
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1294.4	124.1	1418.5
	% Fixture	45.6	4.4	50.0
Street Side	Lumens	1294.4	124.1	1418.5
	% Fixture	45.6	4.4	50.0
Total	Lumens	2588.8	248.2	2837.0
	% Fixture	91.3	8.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.4	0.3
10°-20°	30.1	1.1
20°-30°	77.1	2.7
30°-40°	161.7	5.7
40°-50°	295.2	10.4
50°-60°	477.9	16.8
60°-70°	635.9	22.4
70°-80°	579.5	20.4
80°-90°	323.9	11.4
90°-100°	137.8	4.9
100°-110°	59.7	2.1
110°-120°	28.1	1.0
120°-130°	13.8	0.5
130°-140°	6.4	0.2
140°-150°	2.3	0.1
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2588.8	91.3
0°-180°	2837.0	100.0

Coefficient of Utilization

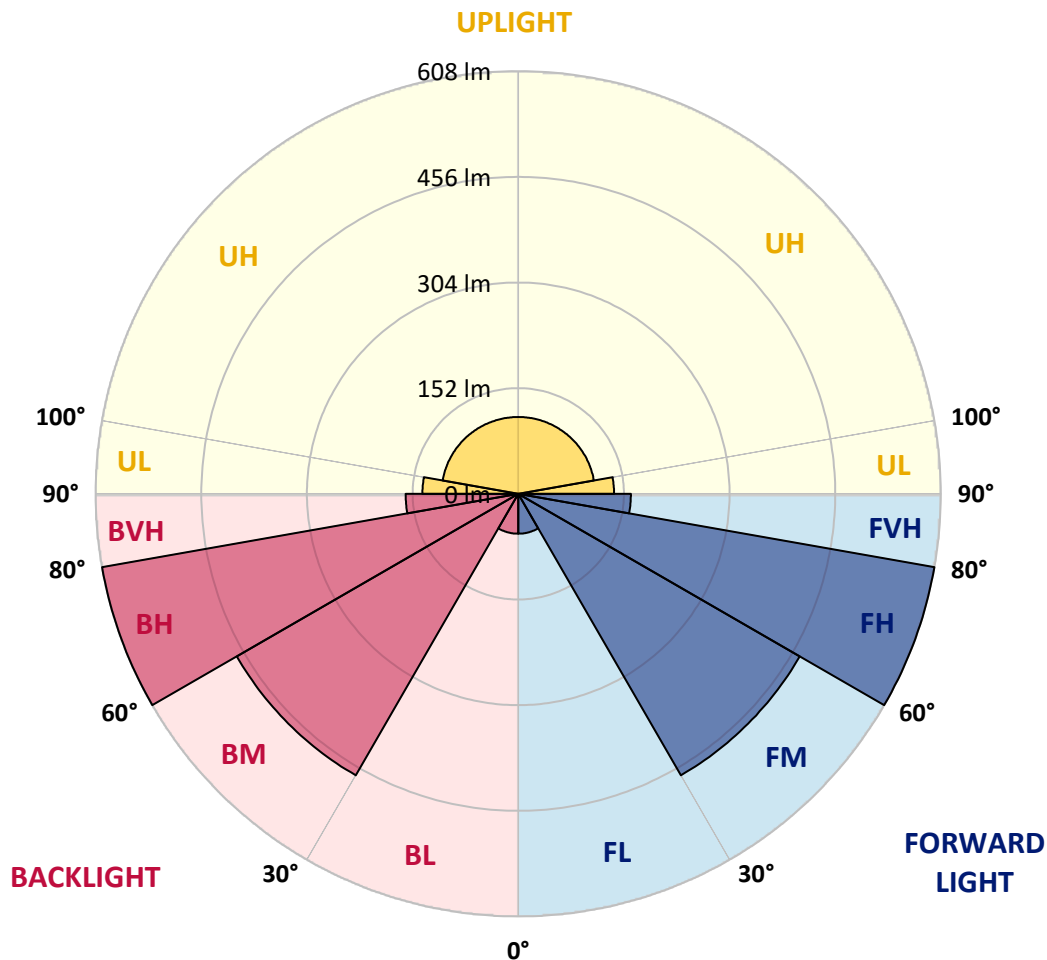


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	57.3	2.0			
FM (30°-60°)	467.4	16.5			
FH (60°-80°)	607.7	21.4			G0/660
FVH (80°-90°)	161.9	5.7			G2/225
BL (0°-30°)	57.3	2.0	B0/110		
BM (30°-60°)	467.4	16.5	B1/1000		
BH (60°-80°)	607.7	21.4	B2/1000		G0/660
BVH (80°-90°)	161.9	5.7			G2/225
UL (90°-100°)	137.8	4.9		U3/500	
UH (100°-180°)	110.5	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°	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
2.5°	72.2	72.2	72.2	72.2	72.2	73.2	73.2	72.2	72.2	72.2	72.2
5°	74.1	74.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
7.5°	78.0	78.0	78.0	79.0	79.0	79.0	79.0	78.0	78.0	78.0	79.0
10°	84.9	84.9	83.9	84.9	83.9	83.9	84.9	83.9	84.9	83.9	83.9
12.5°	92.7	92.7	92.7	92.7	91.7	91.7	91.7	91.7	91.7	92.7	92.7
15°	103.4	103.4	103.4	102.4	101.4	100.5	101.4	102.4	102.4	103.4	103.4
17.5°	117.1	117.1	116.1	115.1	114.1	113.2	113.2	114.1	115.1	116.1	116.1
20°	131.7	131.7	130.7	128.8	126.8	127.8	127.8	128.8	129.7	130.7	130.7
22.5°	148.3	147.3	146.3	144.4	143.4	142.4	143.4	143.4	146.3	148.3	147.3
25°	166.8	166.8	164.9	161.9	160.0	160.0	161.0	161.9	164.9	166.8	167.8
27.5°	188.3	186.3	184.4	181.4	178.5	177.5	178.5	182.4	185.3	189.2	188.3
30°	211.7	210.7	206.8	202.9	198.0	196.1	200.0	203.9	208.8	211.7	213.6
32.5°	237.0	237.0	232.2	225.3	219.5	217.5	220.5	228.3	234.1	238.0	240.9
35°	264.4	264.4	258.5	250.7	242.9	239.0	244.8	254.6	262.4	268.3	269.2
37.5°	296.5	294.6	288.7	278.0	265.3	263.4	270.2	281.9	292.6	299.5	299.5
40°	328.7	326.8	320.9	307.3	290.7	287.8	295.6	313.1	325.8	331.7	332.6
42.5°	363.9	360.9	355.1	340.4	320.0	314.1	325.8	346.3	360.9	367.8	367.8
45°	398.0	399.0	390.2	373.6	351.2	342.4	357.0	381.4	399.0	404.8	406.8
47.5°	436.0	437.0	428.2	407.8	382.4	374.6	391.2	417.5	439.0	443.8	445.8
50°	478.0	478.0	471.2	445.8	417.5	406.8	427.3	461.4	481.9	486.8	487.7
52.5°	519.0	518.0	513.1	484.8	452.6	440.9	464.3	503.3	527.7	528.7	528.7
55°	559.9	558.9	553.1	525.8	487.7	475.1	503.3	547.2	570.7	572.6	573.6
57.5°	596.0	596.0	590.2	562.9	520.9	507.2	540.4	589.2	613.6	613.6	613.6
60°	629.2	629.2	626.3	597.0	552.1	537.5	575.5	628.2	651.6	648.7	648.7
62.5°	654.5	655.5	653.6	624.3	576.5	562.9	604.8	660.4	683.8	678.0	675.0
65°	669.2	670.2	671.1	643.8	595.0	580.4	624.3	682.8	702.3	693.6	690.6
67.5°	667.2	670.2	672.1	648.7	599.9	585.3	631.1	686.7	703.3	691.6	688.7
70°	648.7	652.6	656.5	637.0	592.1	578.5	622.4	674.1	682.8	669.2	664.3
72.5°	612.6	613.6	623.3	609.7	570.7	557.0	595.0	638.9	640.9	624.3	618.5
75°	558.9	558.9	571.6	561.9	532.6	520.9	552.1	584.3	578.5	560.9	554.1
77.5°	490.7	495.5	506.3	505.3	481.9	476.0	498.5	513.1	504.3	481.9	475.1
80°	414.6	418.5	434.1	438.0	424.3	418.5	434.1	439.0	425.3	402.9	397.0
82.5°	344.3	348.2	362.9	373.6	364.8	360.0	367.8	363.9	344.3	324.8	320.9
85°	280.0	280.9	298.5	306.3	306.3	302.4	303.4	292.6	275.1	254.6	248.7
87.5°	223.4	223.4	239.0	250.7	253.6	250.7	247.8	234.1	214.6	198.0	197.0
90°	176.6	177.5	190.2	201.9	206.8	204.9	198.0	184.4	168.8	154.1	152.2
92.5°	140.5	142.4	152.2	163.9	169.7	168.8	161.0	148.3	132.7	121.0	120.0
95°	113.2	113.2	121.9	131.7	138.5	138.5	131.7	119.0	105.4	94.6	93.6
97.5°	89.7	90.7	98.5	107.3	113.2	113.2	107.3	96.6	83.9	75.1	73.2
100°	73.2	73.2	79.0	87.8	93.6	93.6	87.8	78.0	67.3	59.5	58.5
102.5°	58.5	59.5	64.4	72.2	77.1	78.0	73.2	65.4	54.6	47.8	47.8
105°	48.8	48.8	53.7	59.5	64.4	65.4	61.5	53.7	44.9	39.0	38.0
107.5°	40.0	40.0	43.9	50.7	54.6	55.6	51.7	44.9	37.1	32.2	31.2
110°	34.1	33.2	36.1	41.9	46.8	46.8	43.9	38.0	30.2	26.3	26.3

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	28.3	28.3	30.2	35.1	39.0	41.0	38.0	32.2	25.4	22.4	22.4
115°	24.4	24.4	26.3	30.2	34.1	34.1	32.2	26.3	21.5	19.5	19.5
117.5°	21.5	21.5	22.4	25.4	28.3	29.3	27.3	22.4	18.5	16.6	16.6
120°	18.5	18.5	19.5	21.5	24.4	25.4	23.4	19.5	15.6	14.6	14.6
122.5°	16.6	16.6	16.6	18.5	21.5	21.5	19.5	16.6	13.7	12.7	12.7
125°	14.6	14.6	14.6	15.6	17.6	18.5	16.6	13.7	11.7	11.7	11.7
127.5°	12.7	12.7	12.7	13.7	15.6	15.6	14.6	11.7	10.7	10.7	10.7
130°	11.7	11.7	11.7	11.7	12.7	12.7	11.7	9.8	9.8	9.8	9.8
132.5°	9.8	9.8	9.8	9.8	10.7	10.7	9.8	8.8	7.8	8.8	8.8
135°	8.8	8.8	8.8	8.8	8.8	8.8	7.8	6.8	6.8	7.8	7.8
137.5°	7.8	7.8	7.8	6.8	6.8	6.8	5.9	5.9	6.8	6.8	6.8
140°	6.8	6.8	5.9	5.9	5.9	4.9	4.9	4.9	5.9	5.9	5.9
142.5°	5.9	5.9	4.9	4.9	3.9	3.9	3.9	3.9	4.9	4.9	4.9
145°	3.9	3.9	3.9	3.9	2.9	2.9	2.9	2.9	3.9	3.9	3.9
147.5°	2.9	2.9	2.9	2.9	2.0	2.0	2.0	2.9	2.9	2.9	2.9
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)