

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: P695213

Luminaire Tested: **LXF.LXT-PA16-40-827-U-5WQ-FL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695213
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-PA16-40-827-U-5WQ-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 740mA 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: 3583 lumens
Efficiency: N/A
Efficacy: 89.1 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

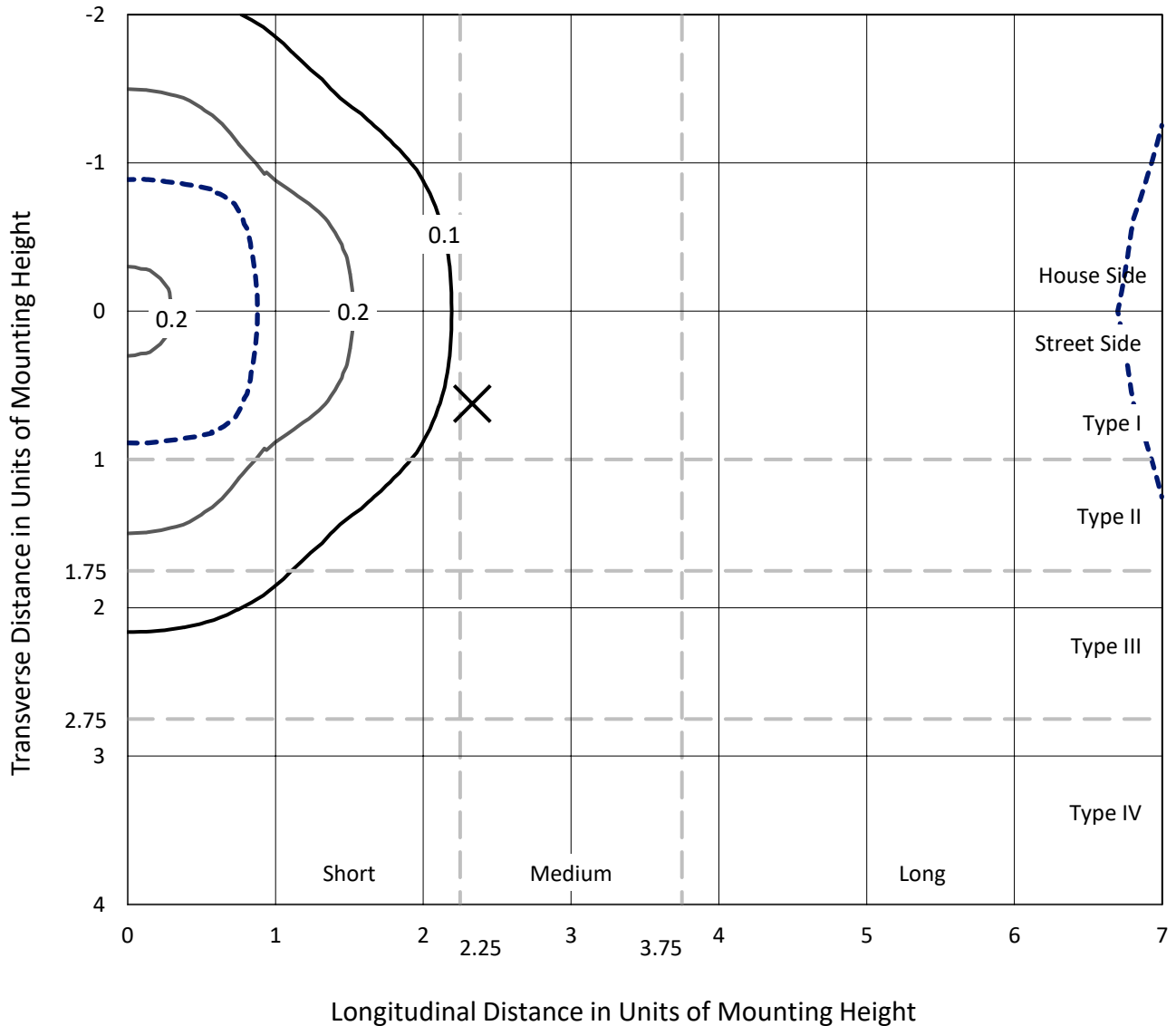
Input Watts (W): 40.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

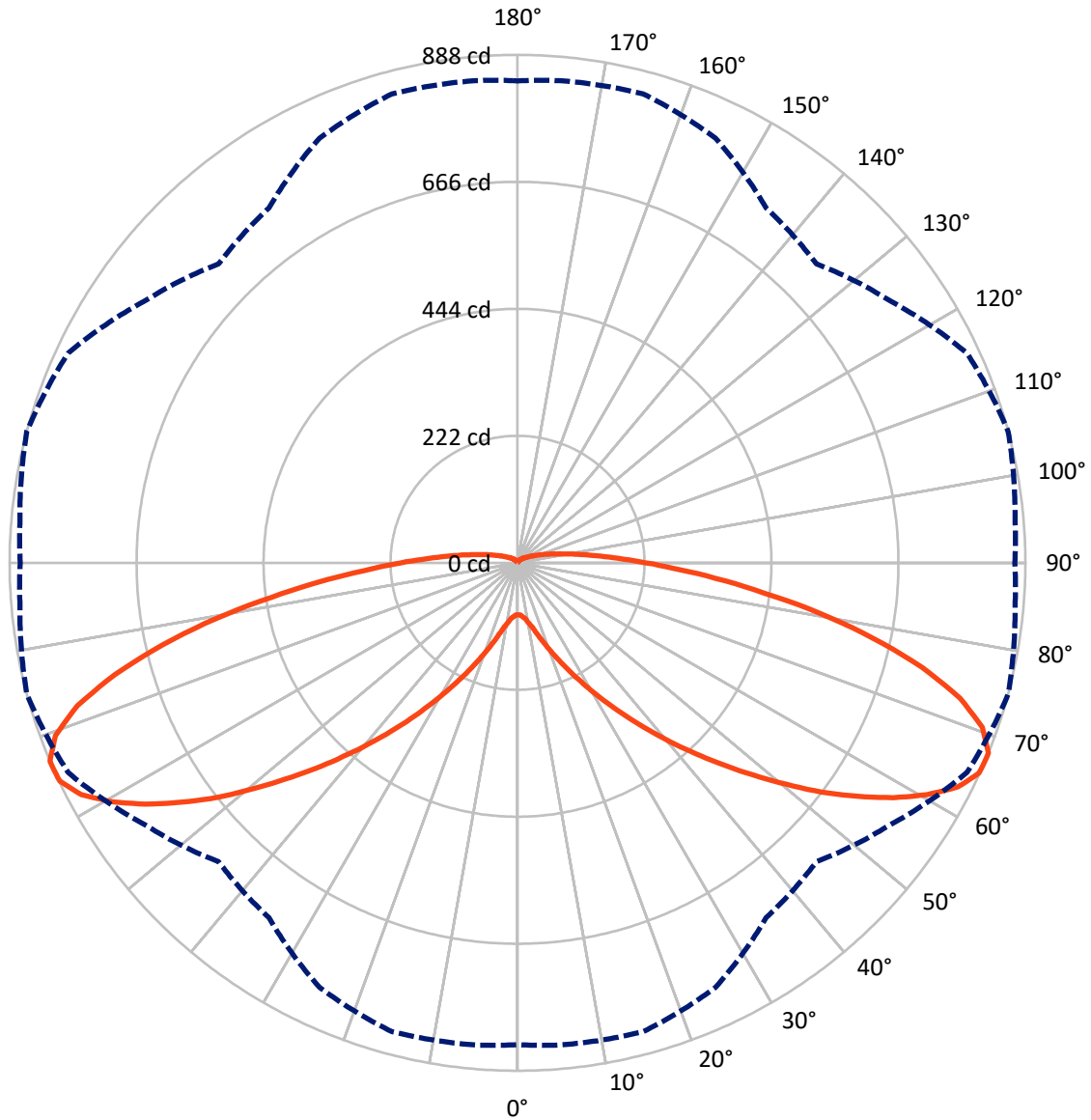
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.3 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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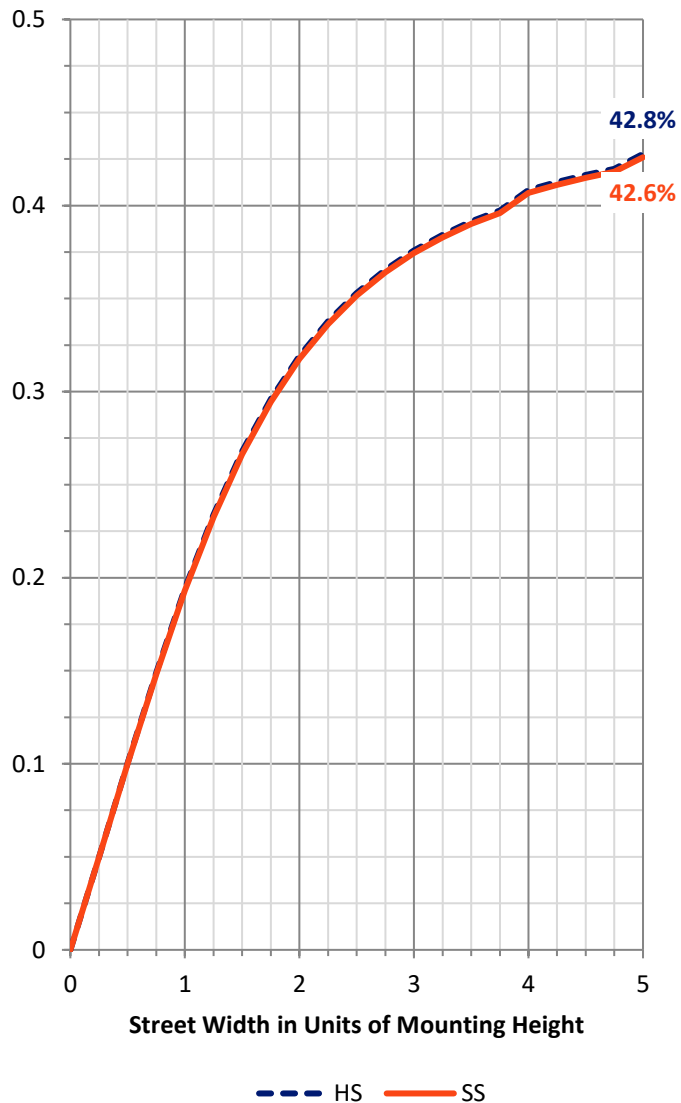
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1634.8	156.7	1791.5
	% Fixture	45.6	4.4	50.0
Street Side	Lumens	1634.8	156.7	1791.5
	% Fixture	45.6	4.4	50.0
Total	Lumens	3269.5	313.5	3583.0
	% Fixture	91.3	8.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.4	0.3
10°-20°	38.1	1.1
20°-30°	97.4	2.7
30°-40°	204.3	5.7
40°-50°	372.8	10.4
50°-60°	603.6	16.8
60°-70°	803.1	22.4
70°-80°	731.9	20.4
80°-90°	409.1	11.4
90°-100°	174.0	4.9
100°-110°	75.3	2.1
110°-120°	35.5	1.0
120°-130°	17.5	0.5
130°-140°	8.1	0.2
140°-150°	2.9	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3269.5	91.3
0°-180°	3583.0	100.0

Coefficient of Utilization

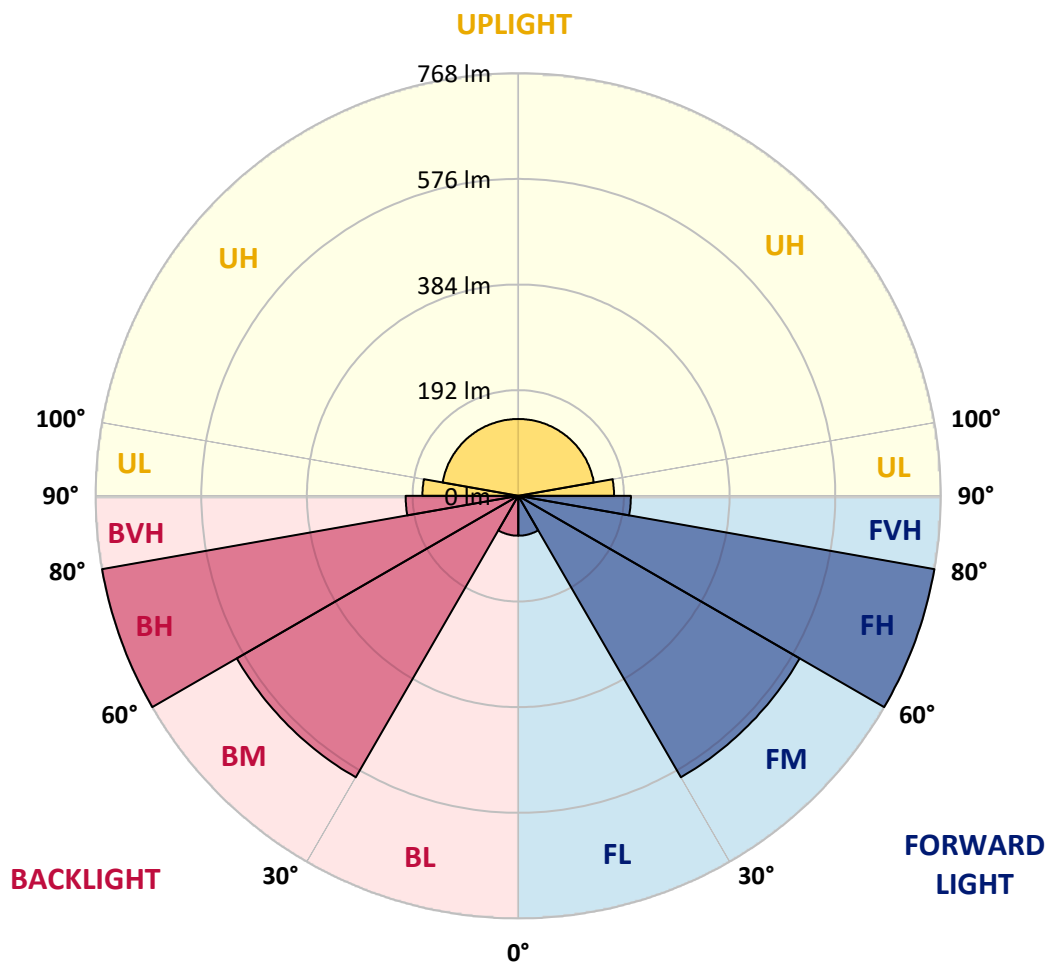


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	72.4	2.0			
FM (30°-60°)	590.3	16.5			
FH (60°-80°)	767.5	21.4			G1/1800
FVH (80°-90°)	204.5	5.7			G2/225
BL (0°-30°)	72.4	2.0	B0/110		
BM (30°-60°)	590.3	16.5	B1/1000		
BH (60°-80°)	767.5	21.4	B2/1000		G1/1800
BVH (80°-90°)	204.5	5.7			G2/225
UL (90°-100°)	174.0	4.9		U3/500	
UH (100°-180°)	139.5	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°	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
2.5°	91.2	91.2	91.2	91.2	91.2	92.4	92.4	91.2	91.2	91.2	91.2
5°	93.6	93.6	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
7.5°	98.6	98.6	98.6	99.8	99.8	99.8	99.8	98.6	98.6	98.6	99.8
10°	107.2	107.2	106.0	107.2	106.0	106.0	107.2	106.0	107.2	106.0	106.0
12.5°	117.0	117.0	117.0	117.0	115.8	115.8	115.8	115.8	115.8	117.0	117.0
15°	130.6	130.6	130.6	129.4	128.1	126.9	128.1	129.4	129.4	130.6	130.6
17.5°	147.8	147.8	146.6	145.4	144.1	142.9	142.9	144.1	145.4	146.6	146.6
20°	166.3	166.3	165.1	162.6	160.2	161.4	161.4	162.6	163.9	165.1	165.1
22.5°	187.3	186.0	184.8	182.3	181.1	179.9	181.1	181.1	184.8	187.3	186.0
25°	210.7	210.7	208.2	204.5	202.0	202.0	203.3	204.5	208.2	210.7	211.9
27.5°	237.8	235.3	232.8	229.1	225.5	224.2	225.5	230.4	234.1	239.0	237.8
30°	267.3	266.1	261.2	256.3	250.1	247.6	252.6	257.5	263.6	267.3	269.8
32.5°	299.4	299.4	293.2	284.6	277.2	274.7	278.4	288.3	295.7	300.6	304.3
35°	333.9	333.9	326.5	316.6	306.8	301.8	309.2	321.5	331.4	338.8	340.0
37.5°	374.5	372.1	364.7	351.1	335.1	332.6	341.3	356.0	369.6	378.2	378.2
40°	415.2	412.7	405.3	388.1	367.1	363.4	373.3	395.5	411.5	418.9	420.1
42.5°	459.5	455.8	448.4	430.0	404.1	396.7	411.5	437.4	455.8	464.5	464.5
45°	502.6	503.9	492.8	471.9	443.5	432.4	450.9	481.7	503.9	511.3	513.7
47.5°	550.7	551.9	540.8	515.0	482.9	473.1	494.0	527.3	554.4	560.6	563.0
50°	603.7	603.7	595.0	563.0	527.3	513.7	539.6	582.7	608.6	614.8	616.0
52.5°	655.4	654.2	648.0	612.3	571.6	556.9	586.4	635.7	666.5	667.7	667.7
55°	707.2	705.9	698.5	664.0	616.0	600.0	635.7	691.1	720.7	723.2	724.4
57.5°	752.7	752.7	745.4	710.9	657.9	640.6	682.5	744.1	774.9	774.9	774.9
60°	794.6	794.6	790.9	754.0	697.3	678.8	726.9	793.4	823.0	819.3	819.3
62.5°	826.7	827.9	825.4	788.5	728.1	710.9	763.8	834.1	863.6	856.2	852.5
65°	845.1	846.4	847.6	813.1	751.5	733.0	788.5	862.4	887.0	875.9	872.2
67.5°	842.7	846.4	848.8	819.3	757.7	739.2	797.1	867.3	888.3	873.5	869.8
70°	819.3	824.2	829.1	804.5	747.8	730.6	786.0	851.3	862.4	845.1	839.0
72.5°	773.7	774.9	787.2	770.0	720.7	703.5	751.5	807.0	809.4	788.5	781.1
75°	705.9	705.9	721.9	709.6	672.7	657.9	697.3	738.0	730.6	708.4	699.8
77.5°	619.7	625.8	639.4	638.2	608.6	601.2	629.5	648.0	636.9	608.6	600.0
80°	523.6	528.5	548.2	553.2	535.9	528.5	548.2	554.4	537.1	508.8	501.4
82.5°	434.9	439.8	458.3	471.9	460.8	454.6	464.5	459.5	434.9	410.3	405.3
85°	353.6	354.8	377.0	386.8	386.8	381.9	383.1	369.6	347.4	321.5	314.2
87.5°	282.1	282.1	301.8	316.6	320.3	316.6	312.9	295.7	271.0	250.1	248.9
90°	223.0	224.2	240.2	255.0	261.2	258.7	250.1	232.8	213.1	194.7	192.2
92.5°	177.4	179.9	192.2	207.0	214.4	213.1	203.3	187.3	167.5	152.8	151.5
95°	142.9	142.9	154.0	166.3	174.9	174.9	166.3	150.3	133.1	119.5	118.3
97.5°	113.3	114.6	124.4	135.5	142.9	142.9	135.5	122.0	106.0	94.9	92.4
100°	92.4	92.4	99.8	110.9	118.3	118.3	110.9	98.6	85.0	75.2	73.9
102.5°	73.9	75.2	81.3	91.2	97.3	98.6	92.4	82.5	69.0	60.4	60.4
105°	61.6	61.6	67.8	75.2	81.3	82.5	77.6	67.8	56.7	49.3	48.0
107.5°	50.5	50.5	55.4	64.1	69.0	70.2	65.3	56.7	46.8	40.7	39.4
110°	43.1	41.9	45.6	53.0	59.1	59.1	55.4	48.0	38.2	33.3	33.3

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	35.7	35.7	38.2	44.4	49.3	51.7	48.0	40.7	32.0	28.3	28.3
115°	30.8	30.8	33.3	38.2	43.1	43.1	40.7	33.3	27.1	24.6	24.6
117.5°	27.1	27.1	28.3	32.0	35.7	37.0	34.5	28.3	23.4	20.9	20.9
120°	23.4	23.4	24.6	27.1	30.8	32.0	29.6	24.6	19.7	18.5	18.5
122.5°	20.9	20.9	20.9	23.4	27.1	27.1	24.6	20.9	17.2	16.0	16.0
125°	18.5	18.5	18.5	19.7	22.2	23.4	20.9	17.2	14.8	14.8	14.8
127.5°	16.0	16.0	16.0	17.2	19.7	19.7	18.5	14.8	13.6	13.6	13.6
130°	14.8	14.8	14.8	14.8	16.0	16.0	14.8	12.3	12.3	12.3	12.3
132.5°	12.3	12.3	12.3	12.3	13.6	13.6	12.3	11.1	9.9	11.1	11.1
135°	11.1	11.1	11.1	11.1	11.1	11.1	9.9	8.6	8.6	9.9	9.9
137.5°	9.9	9.9	9.9	8.6	8.6	8.6	7.4	7.4	8.6	8.6	8.6
140°	8.6	8.6	7.4	7.4	7.4	6.2	6.2	6.2	7.4	7.4	7.4
142.5°	7.4	7.4	6.2	6.2	4.9	4.9	4.9	4.9	6.2	6.2	6.2
145°	4.9	4.9	4.9	4.9	3.7	3.7	3.7	3.7	4.9	4.9	4.9
147.5°	3.7	3.7	3.7	3.7	2.5	2.5	2.5	3.7	3.7	3.7	3.7
150°	2.5	2.5	2.5	2.5	2.5	1.2	2.5	2.5	2.5	2.5	2.5
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)