

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: P694491

Luminaire Tested: **LXF.LXT-PA16-20-727-U-5WQ-A**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694491
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-PA16-20-727-U-5WQ-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 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: 2506 lumens
Efficiency: N/A
Efficacy: 115.0 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

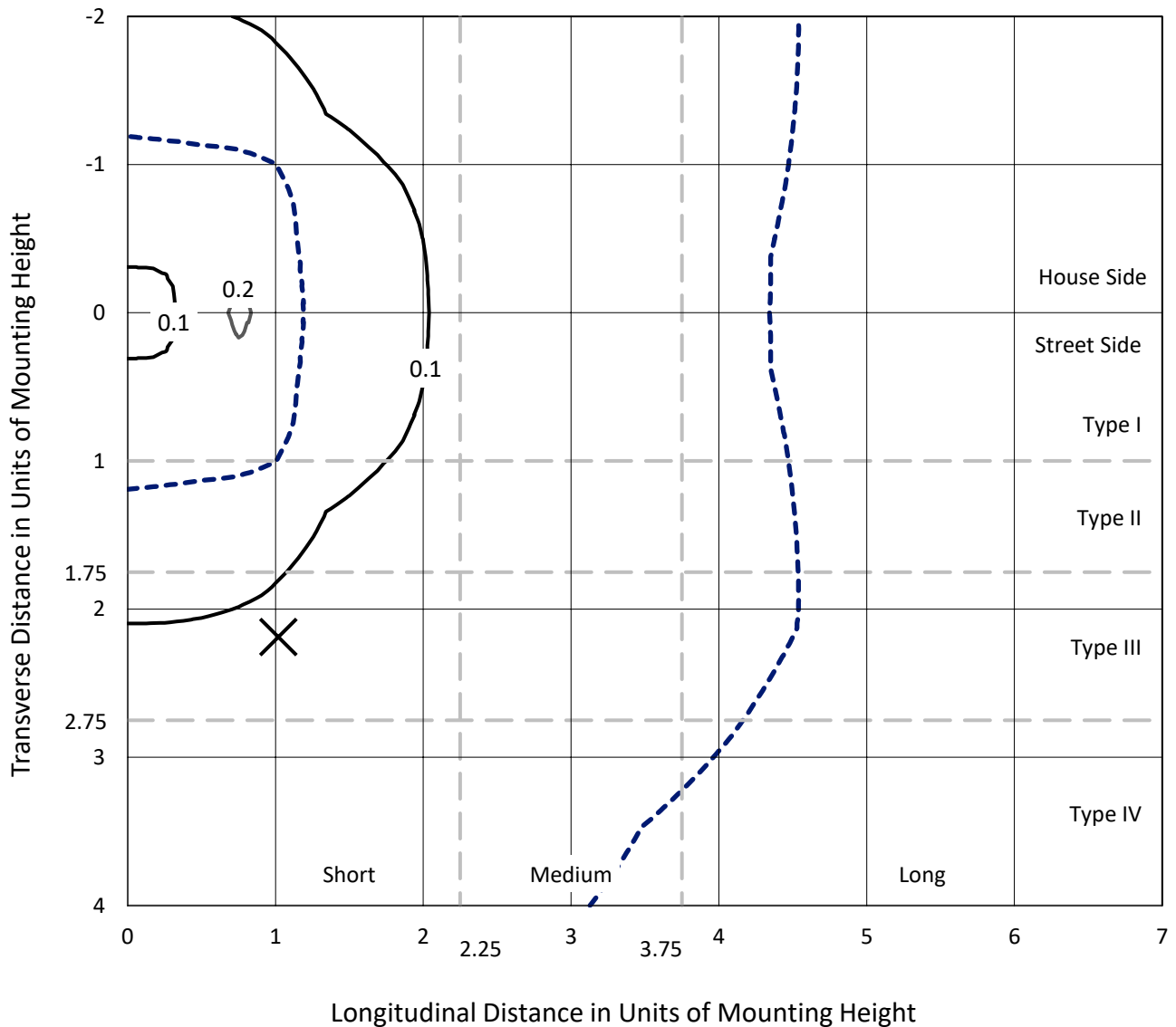
Input Watts (W): 21.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

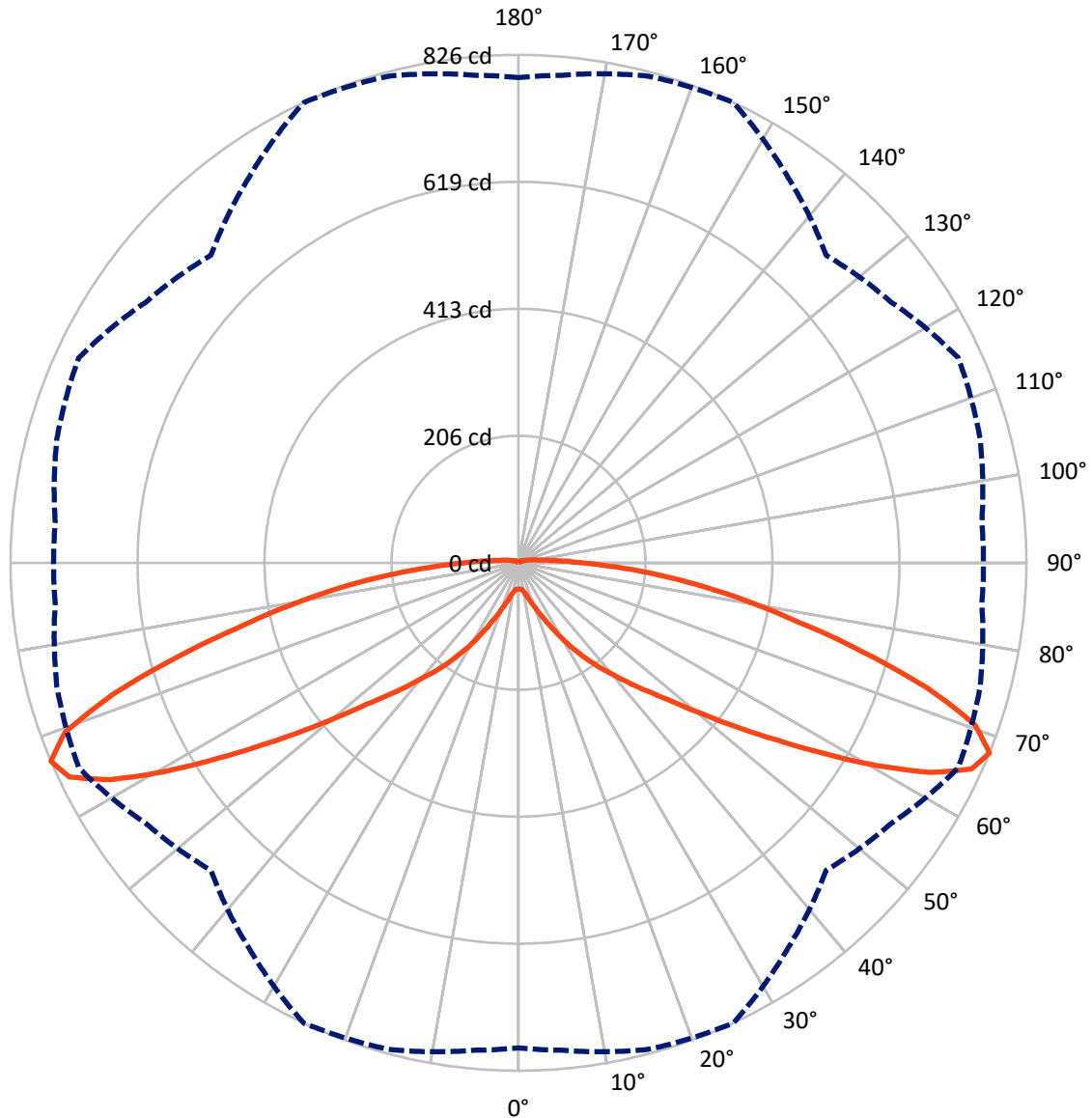
× Max cd
 - - - 1/2 Max cd



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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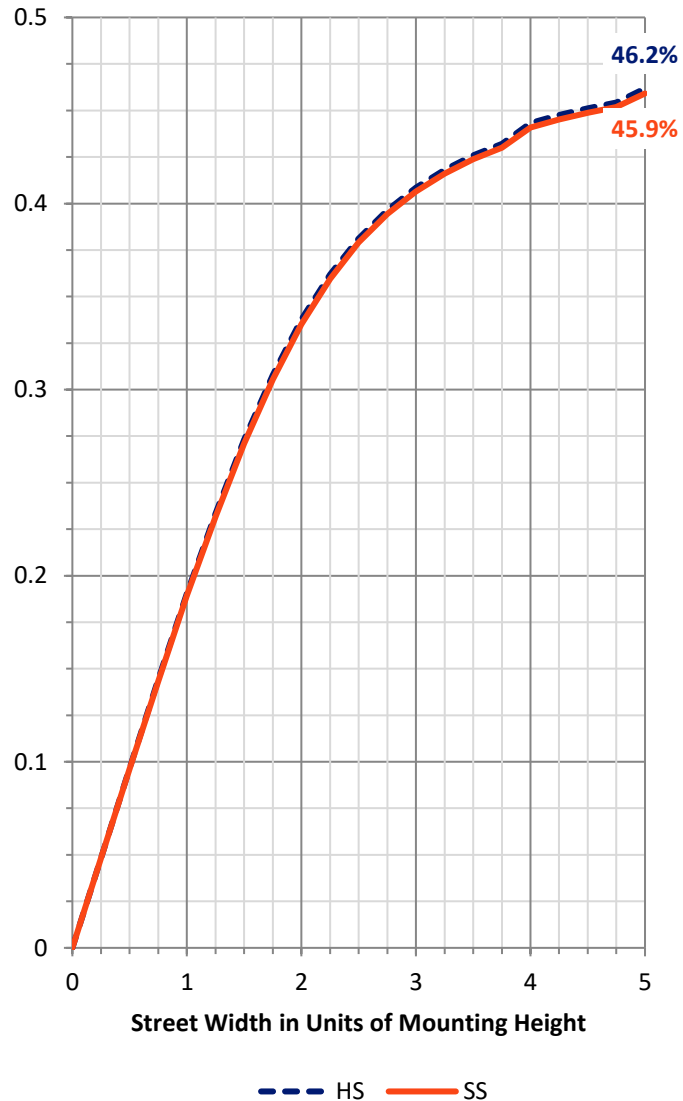
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1208.0	45.0	1253.0
	% Fixture	48.2	1.8	50.0
Street Side	Lumens	1208.0	45.0	1253.0
	% Fixture	48.2	1.8	50.0
Total	Lumens	2416.0	90.0	2506.0
	% Fixture	96.4	3.6	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.3	0.2
10°-20°	17.6	0.7
20°-30°	52.4	2.1
30°-40°	125.6	5.0
40°-50°	236.0	9.4
50°-60°	448.2	17.9
60°-70°	727.6	29.0
70°-80°	571.3	22.8
80°-90°	233.0	9.3
90°-100°	56.8	2.3
100°-110°	17.9	0.7
110°-120°	7.6	0.3
120°-130°	4.1	0.2
130°-140°	2.5	0.1
140°-150°	1.1	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2416.0	96.4
0°-180°	2506.0	100.0

Coefficient of Utilization



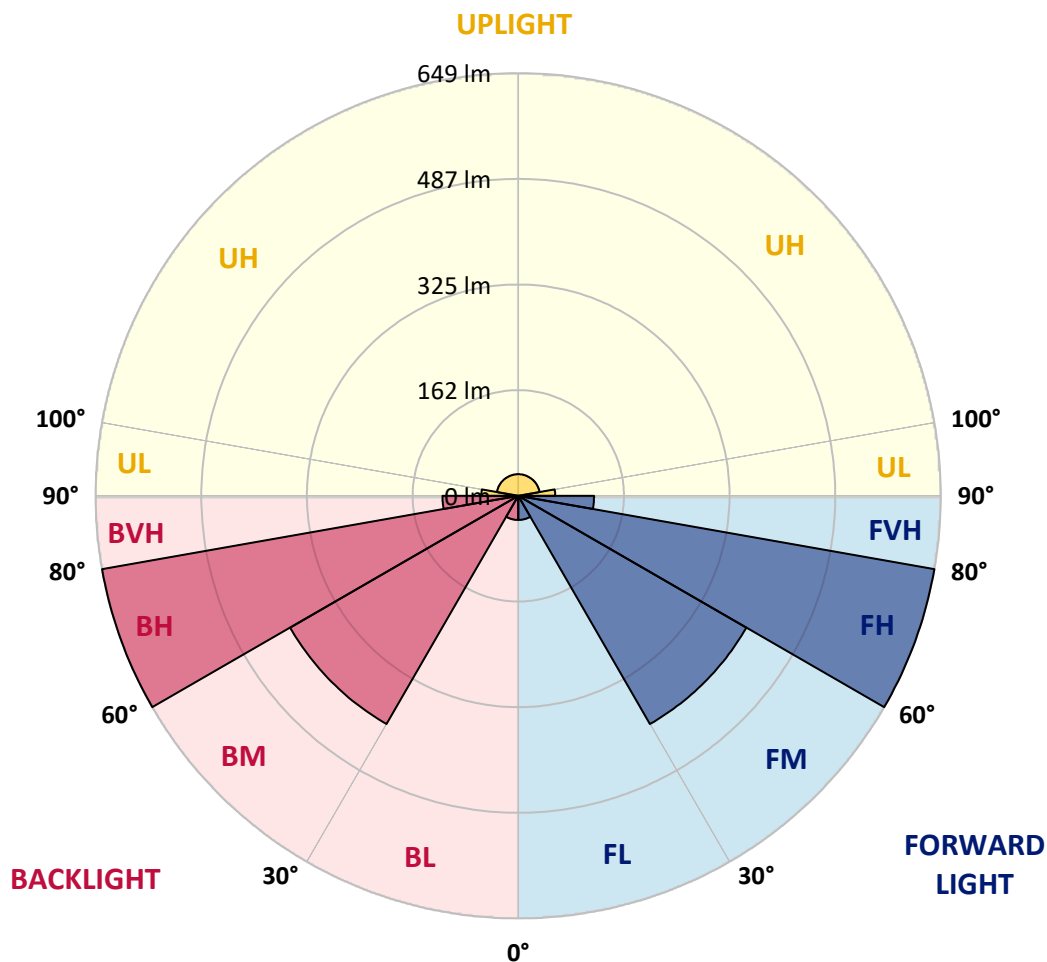
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	37.1	1.5			
FM (30°-60°)	404.9	16.2			
FH (60°-80°)	649.4	25.9			G0/660
FVH (80°-90°)	116.5	4.6			G2/225
BL (0°-30°)	37.1	1.5	B0/110		
BM (30°-60°)	404.9	16.2	B1/1000		
BH (60°-80°)	649.4	25.9	B2/1000		G0/660
BVH (80°-90°)	116.5	4.6			G2/225
UL (90°-100°)	56.8	2.3		U3/500	
UH (100°-180°)	33.2	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°	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9
2.5°	42.0	42.0	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9
5°	42.9	42.9	42.9	42.9	43.7	43.7	43.7	42.9	42.9	42.9	42.9
7.5°	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6
10°	47.9	47.9	47.1	47.9	47.1	47.1	47.1	46.2	47.1	47.1	47.1
12.5°	53.8	53.8	53.0	52.1	51.3	50.4	50.4	50.4	51.3	52.1	52.1
15°	62.2	62.2	61.4	59.7	57.2	56.3	57.2	58.0	58.8	60.5	60.5
17.5°	72.3	72.3	70.6	68.1	65.6	64.7	65.6	67.2	68.9	70.6	71.5
20°	84.9	84.1	82.4	78.2	75.7	74.8	75.7	77.3	80.7	83.2	83.2
22.5°	100.0	100.0	96.7	91.6	87.4	86.6	86.6	90.8	95.0	99.2	100.0
25°	118.5	119.4	114.3	106.8	101.7	99.2	100.9	106.8	114.3	119.4	121.0
27.5°	142.9	142.1	135.3	125.3	116.8	112.6	116.8	125.3	136.2	142.1	144.6
30°	168.1	168.1	159.7	147.1	134.5	129.5	135.3	146.3	159.7	169.0	170.6
32.5°	193.3	193.3	183.3	169.8	153.8	146.3	153.8	171.5	189.1	200.9	203.4
35°	220.2	221.9	209.3	192.5	173.2	165.6	174.8	196.7	219.4	232.0	232.8
37.5°	242.1	242.1	233.7	216.9	193.3	184.1	196.7	226.1	249.7	260.6	263.9
40°	270.7	271.5	261.4	240.4	216.0	205.1	221.1	251.3	269.8	274.9	276.6
42.5°	300.1	300.9	292.5	269.8	239.6	227.8	243.8	270.7	287.5	295.1	297.6
45°	327.8	330.4	322.0	300.1	268.2	251.3	265.6	295.9	317.7	326.2	328.7
47.5°	364.8	369.0	359.8	337.1	300.1	279.9	295.1	332.9	358.9	365.7	365.7
50°	408.5	412.7	409.4	385.0	340.4	315.2	336.2	378.3	405.2	414.4	413.6
52.5°	466.5	468.2	464.9	442.2	390.9	359.8	382.5	433.8	459.8	456.4	460.7
55°	527.1	531.3	533.8	507.7	453.1	414.4	445.5	496.0	515.3	517.0	516.1
57.5°	600.2	606.9	604.4	584.2	522.0	481.7	512.8	562.4	590.1	588.4	592.6
60°	678.4	681.7	688.5	669.1	607.8	553.1	587.6	645.6	663.2	650.6	652.3
62.5°	741.4	746.5	758.2	750.7	685.1	626.3	662.4	709.5	719.6	706.9	709.5
65°	791.8	796.1	814.5	808.7	744.8	684.3	717.9	765.8	768.3	749.8	748.1
67.5°	788.5	795.2	818.7	825.5	764.1	706.9	738.9	788.5	776.7	755.7	755.7
70°	733.0	733.8	762.4	786.8	731.3	678.4	715.4	750.7	739.7	715.4	712.0
72.5°	629.6	639.7	672.5	693.5	657.4	615.3	638.0	672.5	636.3	602.7	600.2
75°	508.6	506.9	537.1	577.5	559.0	523.7	550.6	558.2	525.4	496.8	490.1
77.5°	406.0	409.4	435.4	466.5	463.2	440.5	448.0	454.8	425.3	395.1	393.4
80°	323.6	323.6	355.6	375.8	376.6	367.3	369.0	364.8	333.7	314.4	311.0
82.5°	242.1	243.8	265.6	291.7	308.5	306.0	300.1	287.5	262.3	241.3	240.4
85°	164.8	168.1	186.6	215.2	239.6	245.5	242.1	213.5	182.4	162.2	159.7
87.5°	108.4	111.0	121.9	144.6	176.5	192.5	179.0	147.9	121.9	111.0	107.6
90°	73.1	74.8	81.5	94.1	123.6	140.4	125.3	97.5	79.9	72.3	72.3
92.5°	49.6	50.4	55.5	63.9	83.2	97.5	84.1	64.7	53.8	48.8	47.9
95°	33.6	34.5	37.8	43.7	57.2	65.6	57.2	42.9	37.8	34.5	33.6
97.5°	26.1	26.9	28.6	31.9	40.3	45.4	39.5	31.9	28.6	26.9	26.1
100°	21.0	21.0	23.5	25.2	29.4	32.8	29.4	24.4	22.7	21.0	21.0
102.5°	16.8	17.7	18.5	20.2	23.5	26.1	23.5	19.3	17.7	16.8	16.8
105°	13.4	13.4	14.3	16.0	18.5	20.2	18.5	16.0	14.3	13.4	12.6
107.5°	10.9	10.1	11.8	13.4	15.1	16.8	15.1	12.6	10.9	10.1	10.1
110°	8.4	8.4	9.2	10.9	12.6	13.4	12.6	10.1	9.2	8.4	8.4

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	6.7	6.7	7.6	8.4	10.9	11.8	10.1	8.4	7.6	6.7	6.7
115°	5.9	5.9	5.9	7.6	9.2	10.1	9.2	6.7	5.9	5.9	5.9
117.5°	5.0	5.0	5.0	5.9	7.6	8.4	7.6	5.9	5.0	5.0	5.0
120°	5.0	5.0	5.0	5.0	6.7	7.6	6.7	5.0	5.0	5.0	5.0
122.5°	4.2	4.2	4.2	5.0	5.9	6.7	5.9	5.0	4.2	4.2	4.2
125°	4.2	4.2	4.2	4.2	5.0	5.9	5.0	4.2	4.2	4.2	4.2
127.5°	3.4	3.4	3.4	4.2	5.0	5.0	5.0	4.2	3.4	3.4	3.4
130°	3.4	3.4	3.4	3.4	4.2	4.2	4.2	3.4	3.4	3.4	3.4
132.5°	3.4	3.4	3.4	3.4	4.2	4.2	4.2	3.4	3.4	3.4	3.4
135°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
137.5°	2.5	2.5	2.5	2.5	2.5	3.4	2.5	2.5	2.5	2.5	2.5
140°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
142.5°	2.5	2.5	1.7	1.7	2.5	2.5	1.7	1.7	1.7	2.5	2.5
145°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
147.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
150°	0.8	0.8	0.8	0.8	0.8	1.7	0.8	0.8	0.8	0.8	0.8
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)