

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: P694671

Luminaire Tested: **LXF.LXT-PA16-20-827-U-5WQ-A**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694671
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-PA16-20-827-U-5WQ-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 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: 2247 lumens
Efficiency: N/A
Efficacy: 103.1 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

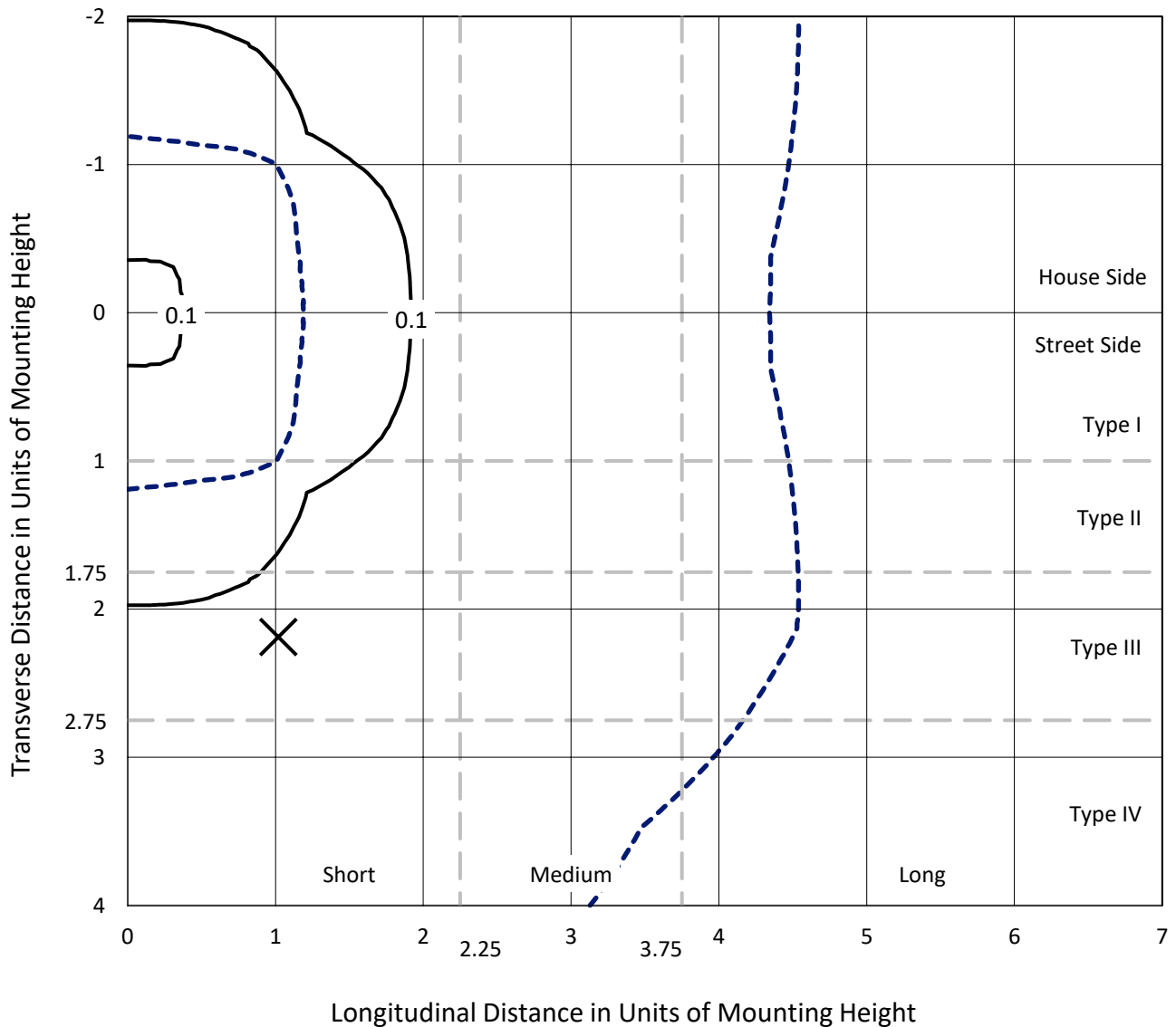
Input Watts (W): 21.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

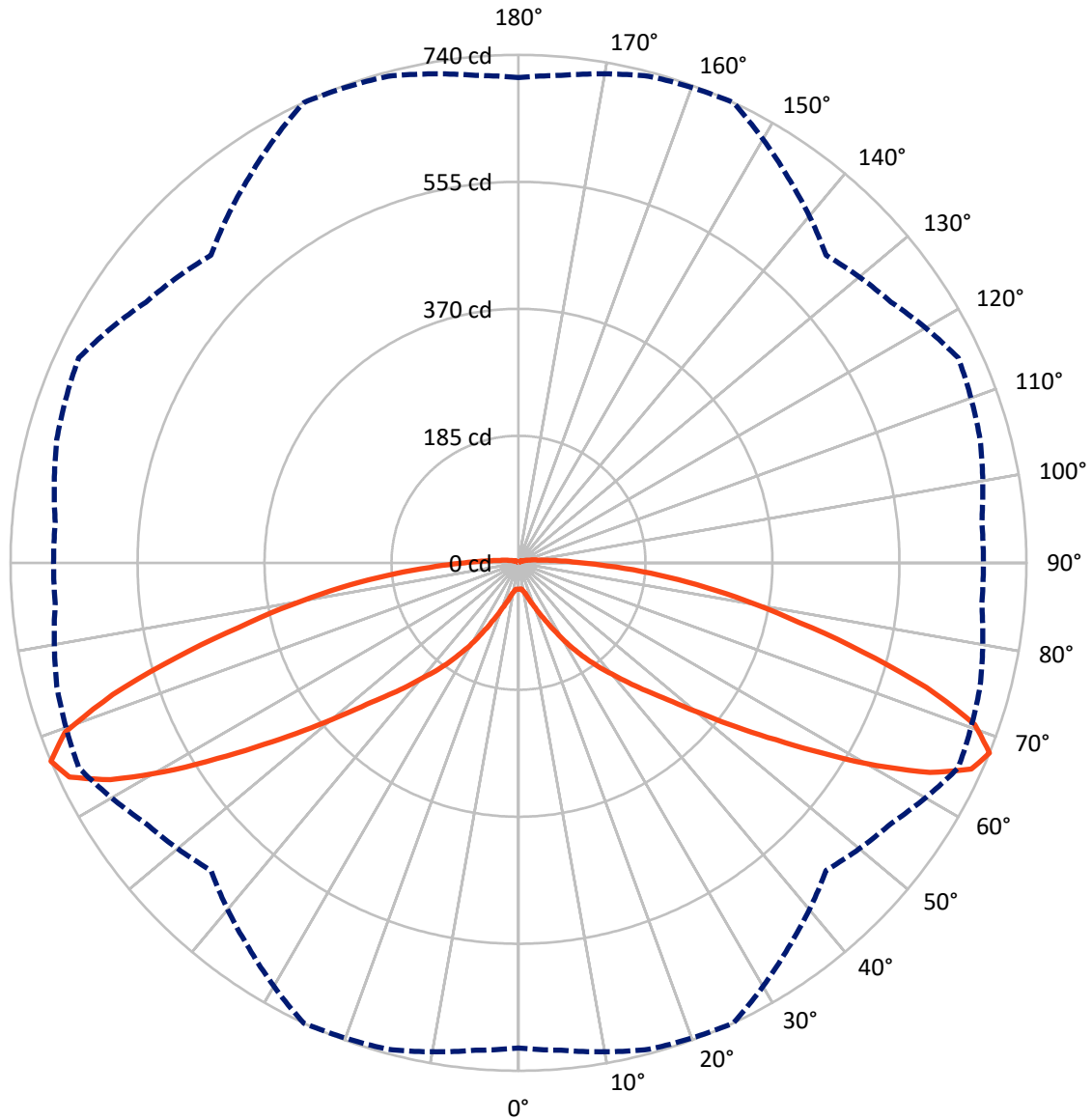
× Max cd
 - - - 1/2 Max cd



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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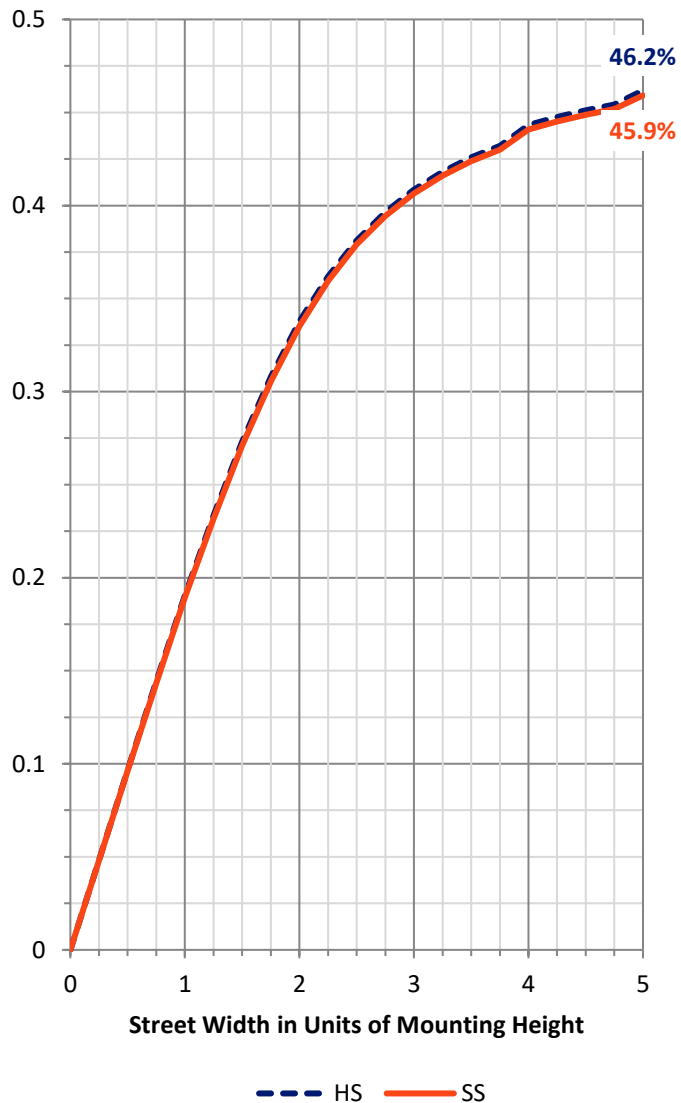
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1083.1	40.4	1123.5
	% Fixture	48.2	1.8	50.0
Street Side	Lumens	1083.1	40.4	1123.5
	% Fixture	48.2	1.8	50.0
Total	Lumens	2166.3	80.7	2247.0
	% Fixture	96.4	3.6	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.8	0.2
10°-20°	15.8	0.7
20°-30°	47.0	2.1
30°-40°	112.7	5.0
40°-50°	211.6	9.4
50°-60°	401.9	17.9
60°-70°	652.4	29.0
70°-80°	512.2	22.8
80°-90°	208.9	9.3
90°-100°	50.9	2.3
100°-110°	16.0	0.7
110°-120°	6.8	0.3
120°-130°	3.7	0.2
130°-140°	2.2	0.1
140°-150°	1.0	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2166.3	96.4
0°-180°	2247.0	100.0

Coefficient of Utilization



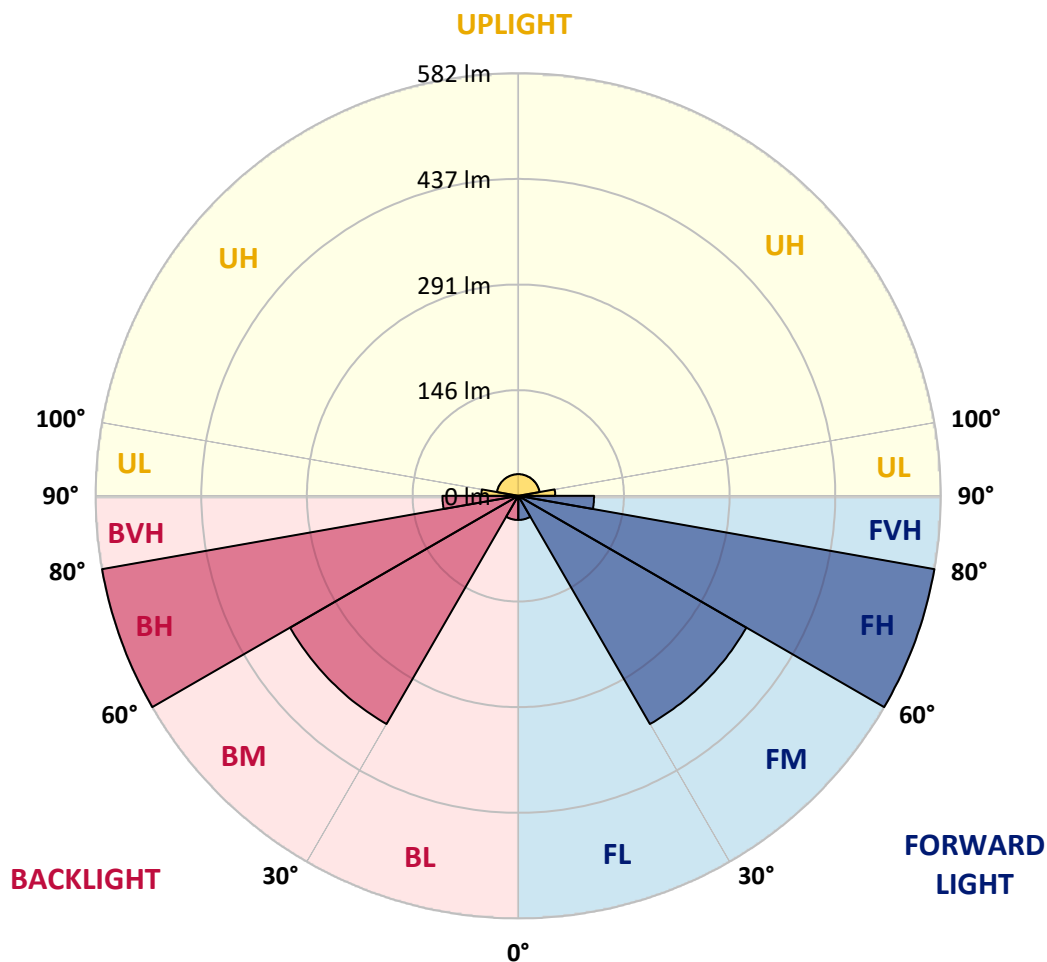
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	33.3	1.5			
FM (30°-60°)	363.1	16.2			
FH (60°-80°)	582.3	25.9			G0/660
FVH (80°-90°)	104.5	4.6			G2/225
BL (0°-30°)	33.3	1.5	B0/110		
BM (30°-60°)	363.1	16.2	B1/1000		
BH (60°-80°)	582.3	25.9	B2/1000		G0/660
BVH (80°-90°)	104.5	4.6			G2/225
UL (90°-100°)	50.9	2.3		U3/500	
UH (100°-180°)	29.8	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°	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4
2.5°	37.7	37.7	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4
5°	38.4	38.4	38.4	38.4	39.2	39.2	39.2	38.4	38.4	38.4	38.4
7.5°	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9
10°	43.0	43.0	42.2	43.0	42.2	42.2	42.2	41.5	42.2	42.2	42.2
12.5°	48.2	48.2	47.5	46.7	46.0	45.2	45.2	45.2	46.0	46.7	46.7
15°	55.8	55.8	55.0	53.5	51.3	50.5	51.3	52.0	52.8	54.3	54.3
17.5°	64.8	64.8	63.3	61.1	58.8	58.0	58.8	60.3	61.8	63.3	64.1
20°	76.1	75.4	73.9	70.1	67.8	67.1	67.8	69.3	72.4	74.6	74.6
22.5°	89.7	89.7	86.7	82.2	78.4	77.6	77.6	81.4	85.2	88.9	89.7
25°	106.3	107.0	102.5	95.7	91.2	88.9	90.4	95.7	102.5	107.0	108.5
27.5°	128.1	127.4	121.3	112.3	104.8	101.0	104.8	112.3	122.1	127.4	129.6
30°	150.7	150.7	143.2	131.9	120.6	116.1	121.3	131.1	143.2	151.5	153.0
32.5°	173.4	173.4	164.3	152.3	137.9	131.1	137.9	153.8	169.6	180.1	182.4
35°	197.5	199.0	187.7	172.6	155.3	148.5	156.8	176.4	196.7	208.0	208.8
37.5°	217.1	217.1	209.5	194.5	173.4	165.1	176.4	202.8	223.9	233.7	236.7
40°	242.7	243.5	234.4	215.6	193.7	183.9	198.2	225.4	241.9	246.5	248.0
42.5°	269.1	269.8	262.3	241.9	214.8	204.3	218.6	242.7	257.8	264.6	266.8
45°	294.0	296.2	288.7	269.1	240.4	225.4	238.2	265.3	284.9	292.4	294.7
47.5°	327.1	330.9	322.6	302.2	269.1	251.0	264.6	298.5	321.8	327.9	327.9
50°	366.3	370.1	367.1	345.2	305.3	282.6	301.5	339.2	363.3	371.6	370.8
52.5°	418.3	419.8	416.8	396.5	350.5	322.6	342.9	388.9	412.3	409.3	413.0
55°	472.6	476.4	478.6	455.3	406.3	371.6	399.5	444.7	462.0	463.5	462.8
57.5°	538.2	544.2	541.9	523.8	468.1	431.9	459.8	504.2	529.1	527.6	531.4
60°	608.3	611.3	617.3	600.0	544.9	496.0	526.9	578.9	594.7	583.4	584.9
62.5°	664.8	669.3	679.9	673.1	614.3	561.5	593.9	636.1	645.2	633.9	636.1
65°	710.0	713.8	730.4	725.1	667.8	613.5	643.7	686.6	688.9	672.3	670.8
67.5°	707.0	713.0	734.1	740.2	685.1	633.9	662.5	707.0	696.4	677.6	677.6
70°	657.2	658.0	683.6	705.5	655.7	608.3	641.4	673.1	663.3	641.4	638.4
72.5°	564.5	573.6	603.0	621.8	589.4	551.7	572.1	603.0	570.6	540.4	538.2
75°	456.0	454.5	481.6	517.8	501.2	469.6	493.7	500.5	471.1	445.5	439.4
77.5°	364.0	367.1	390.4	418.3	415.3	395.0	401.7	407.8	381.4	354.3	352.7
80°	290.2	290.2	318.8	336.9	337.7	329.4	330.9	327.1	299.2	281.9	278.9
82.5°	217.1	218.6	238.2	261.5	276.6	274.4	269.1	257.8	235.2	216.3	215.6
85°	147.7	150.7	167.3	193.0	214.8	220.1	217.1	191.4	163.6	145.5	143.2
87.5°	97.2	99.5	109.3	129.6	158.3	172.6	160.5	132.7	109.3	99.5	96.5
90°	65.6	67.1	73.1	84.4	110.8	125.9	112.3	87.4	71.6	64.8	64.8
92.5°	44.5	45.2	49.7	57.3	74.6	87.4	75.4	58.0	48.2	43.7	43.0
95°	30.1	30.9	33.9	39.2	51.3	58.8	51.3	38.4	33.9	30.9	30.1
97.5°	23.4	24.1	25.6	28.6	36.2	40.7	35.4	28.6	25.6	24.1	23.4
100°	18.8	18.8	21.1	22.6	26.4	29.4	26.4	21.9	20.4	18.8	18.8
102.5°	15.1	15.8	16.6	18.1	21.1	23.4	21.1	17.3	15.8	15.1	15.1
105°	12.1	12.1	12.8	14.3	16.6	18.1	16.6	14.3	12.8	12.1	11.3
107.5°	9.8	9.0	10.6	12.1	13.6	15.1	13.6	11.3	9.8	9.0	9.0
110°	7.5	7.5	8.3	9.8	11.3	12.1	11.3	9.0	8.3	7.5	7.5

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	6.0	6.0	6.8	7.5	9.8	10.6	9.0	7.5	6.8	6.0	6.0
115°	5.3	5.3	5.3	6.8	8.3	9.0	8.3	6.0	5.3	5.3	5.3
117.5°	4.5	4.5	4.5	5.3	6.8	7.5	6.8	5.3	4.5	4.5	4.5
120°	4.5	4.5	4.5	4.5	6.0	6.8	6.0	4.5	4.5	4.5	4.5
122.5°	3.8	3.8	3.8	4.5	5.3	6.0	5.3	4.5	3.8	3.8	3.8
125°	3.8	3.8	3.8	3.8	4.5	5.3	4.5	3.8	3.8	3.8	3.8
127.5°	3.0	3.0	3.0	3.8	4.5	4.5	4.5	3.8	3.0	3.0	3.0
130°	3.0	3.0	3.0	3.0	3.8	3.8	3.8	3.0	3.0	3.0	3.0
132.5°	3.0	3.0	3.0	3.0	3.8	3.8	3.8	3.0	3.0	3.0	3.0
135°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
137.5°	2.3	2.3	2.3	2.3	2.3	3.0	2.3	2.3	2.3	2.3	2.3
140°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
142.5°	2.3	2.3	1.5	1.5	2.3	2.3	1.5	1.5	1.5	2.3	2.3
145°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
147.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
150°	0.8	0.8	0.8	0.8	0.8	1.5	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)