

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: P694762

Luminaire Tested: **LXF.LXT-PA16-30-727-U-5WQ-CL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694762
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-3)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-30-727-U-5WQ-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 560mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS
AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3340.1 lumens
Efficiency: N/A
Efficacy: 114.4 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 - G1

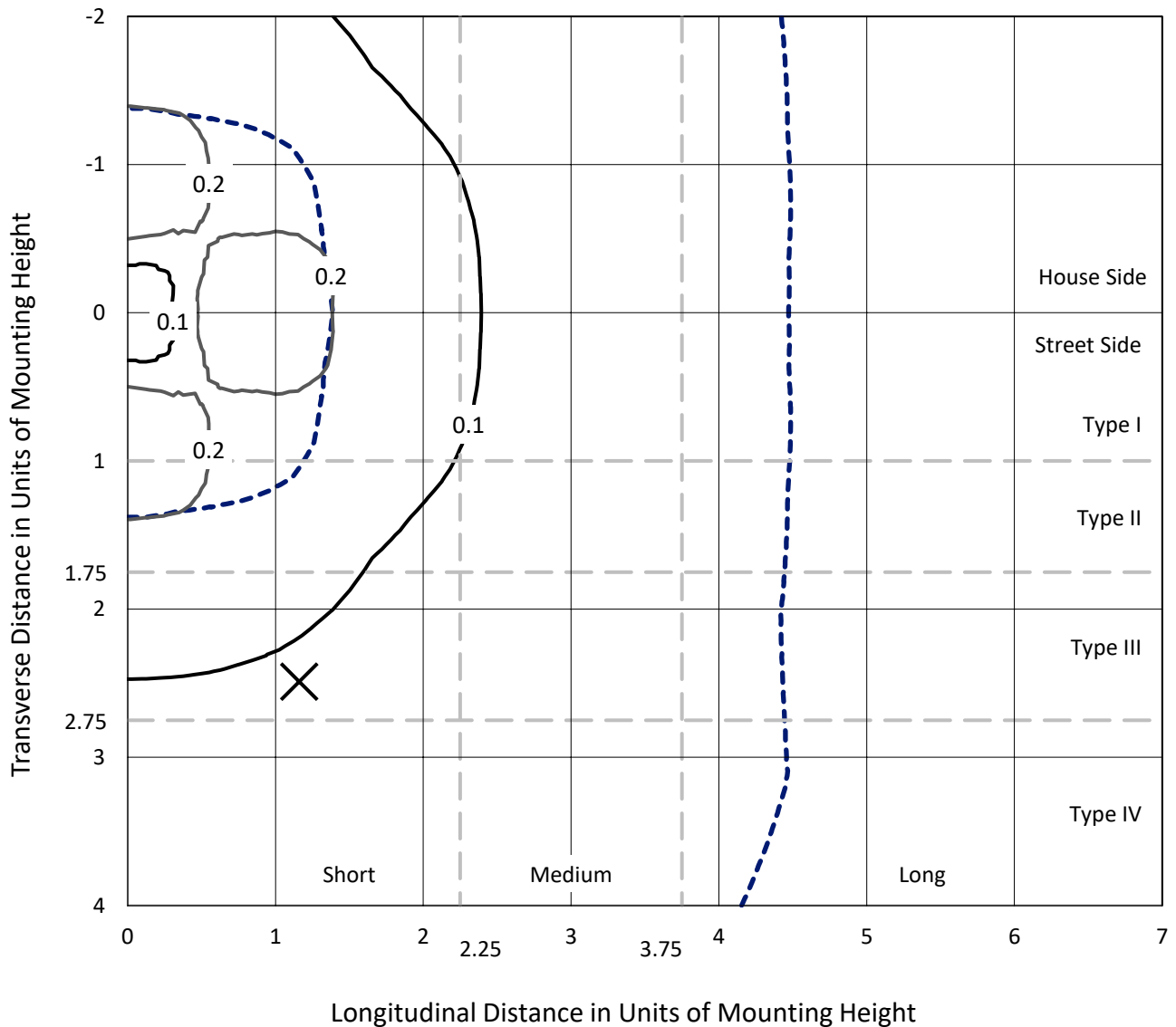
Input Watts (W): 29.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

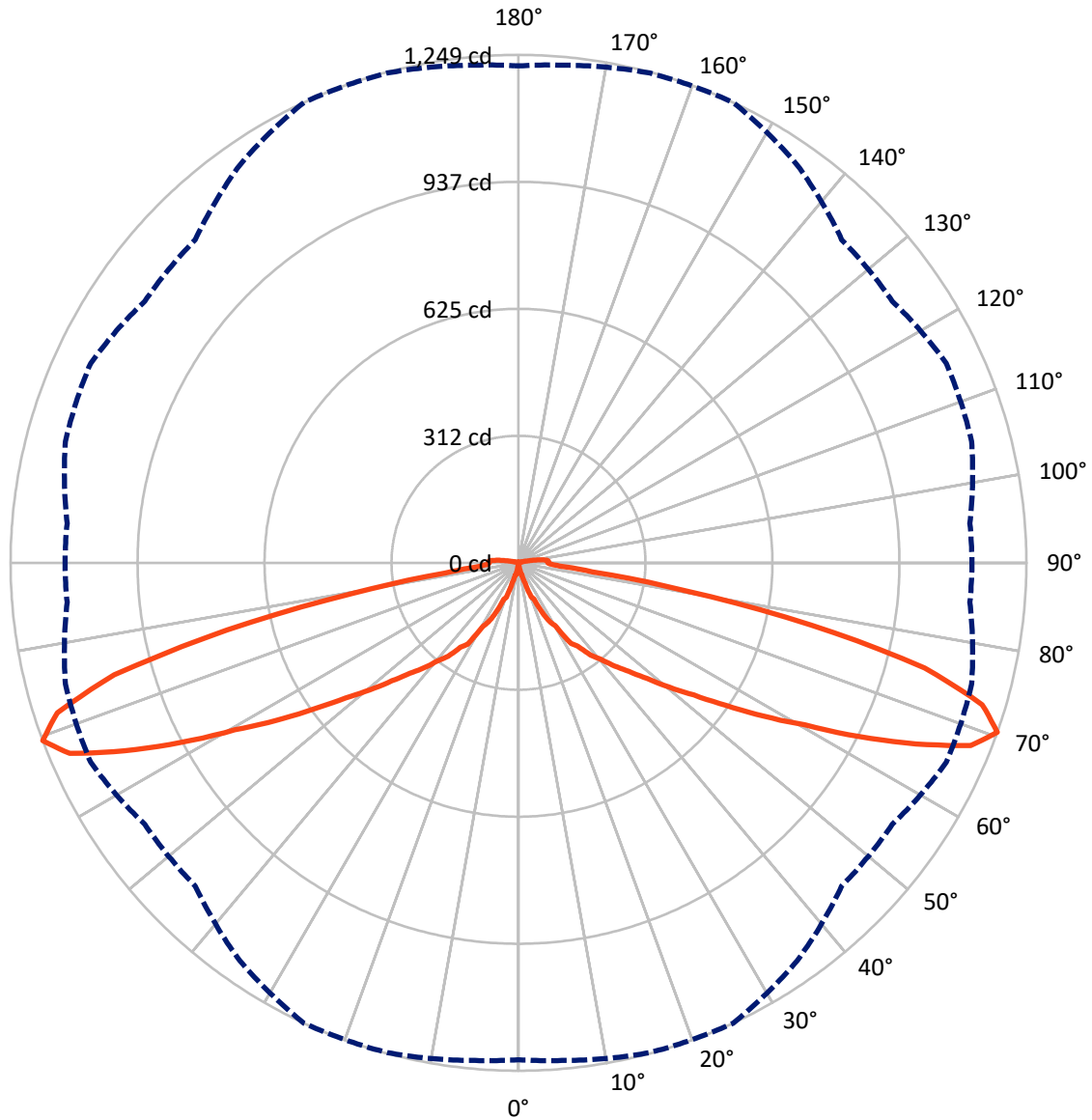
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 25-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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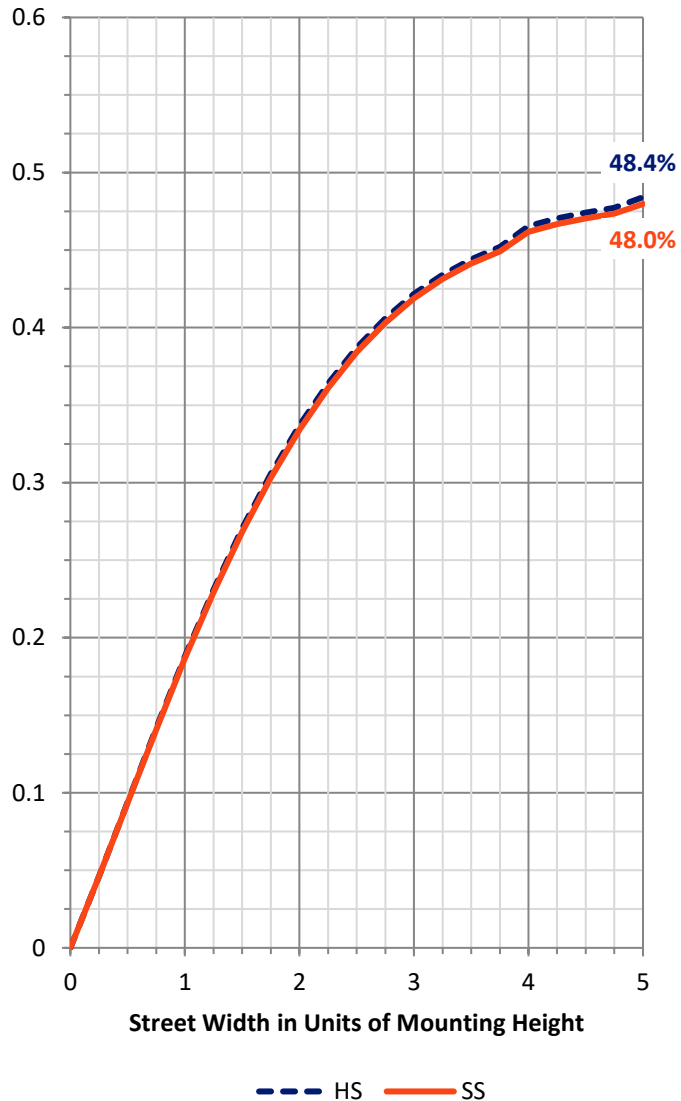
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1628.3	41.8	1670.0
	% Fixture	48.7	1.3	50.0
Street Side	Lumens	1628.3	41.8	1670.0
	% Fixture	48.7	1.3	50.0
Total	Lumens	3256.5	83.6	3340.1
	% Fixture	97.5	2.5	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.2	0.0
10°-20°	12.7	0.4
20°-30°	66.8	2.0
30°-40°	167.9	5.0
40°-50°	305.9	9.2
50°-60°	557.8	16.7
60°-70°	1009.1	30.2
70°-80°	961.0	28.8
80°-90°	175.0	5.2
90°-100°	67.7	2.0
100°-110°	9.9	0.3
110°-120°	2.6	0.1
120°-130°	1.6	0.0
130°-140°	1.0	0.0
140°-150°	0.7	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3256.5	97.5
0°-180°	3340.1	100.0

Coefficient of Utilization



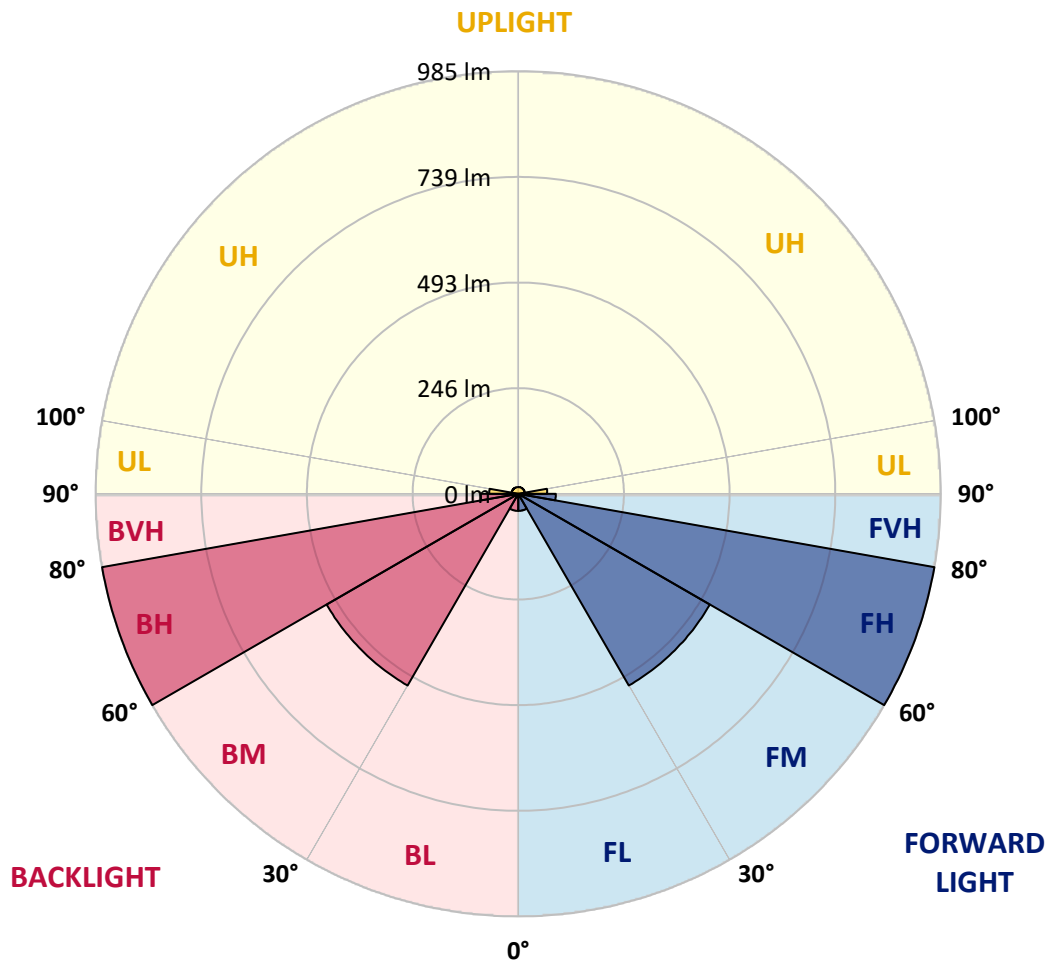
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	39.8	1.2			
FM (30°-60°)	515.8	15.4			
FH (60°-80°)	985.0	29.5			G1/1800
FVH (80°-90°)	87.5	2.6			G1/100
BL (0°-30°)	39.8	1.2	B0/110		
BM (30°-60°)	515.8	15.4	B1/1000		
BH (60°-80°)	985.0	29.5	B2/1000		G1/1800
BVH (80°-90°)	87.5	2.6			G1/100
UL (90°-100°)	67.7	2.0		U3/500	
UH (100°-180°)	15.8	0.5		U2/50	

BUG Rating: B2-U3-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
2.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
7.5°	2.2	2.2	2.2	1.1	2.2	1.1	2.2	1.1	1.1	2.2	2.2
10°	22.9	19.6	9.8	6.5	3.3	2.2	2.2	2.2	2.2	2.2	2.2
12.5°	30.5	30.5	29.4	28.3	23.9	6.5	3.3	6.5	10.9	22.9	25.0
15°	37.0	37.0	33.7	31.6	29.4	25.0	23.9	44.6	53.3	56.6	58.8
17.5°	90.3	90.3	82.7	52.2	33.7	46.8	64.2	58.8	62.0	63.1	64.2
20°	97.9	96.8	93.6	90.3	74.0	68.6	74.0	69.6	91.4	99.0	108.8
22.5°	128.4	120.8	106.6	95.8	103.4	92.5	86.0	118.6	126.2	131.7	132.7
25°	168.7	167.6	163.2	136.0	118.6	115.3	121.9	138.2	141.5	150.2	152.3
27.5°	179.5	180.6	171.9	163.2	157.8	143.6	151.2	168.7	195.9	206.7	207.8
30°	251.4	249.2	239.4	181.7	176.3	169.7	179.5	199.1	208.9	220.9	223.1
32.5°	263.3	260.1	256.8	236.1	196.9	193.7	205.7	215.4	263.3	296.0	297.1
35°	310.1	310.1	298.1	252.4	242.6	217.6	226.3	265.5	299.2	313.4	313.4
37.5°	335.1	333.0	323.2	287.3	253.5	242.6	256.8	284.0	317.7	335.1	335.1
40°	363.4	361.2	350.4	312.3	288.3	265.5	285.1	312.3	350.4	365.6	365.6
42.5°	397.2	395.0	383.0	347.1	314.5	293.8	310.1	349.3	383.0	392.8	397.2
45°	437.4	434.2	423.3	380.8	346.0	319.9	335.1	385.2	420.0	438.5	436.3
47.5°	484.2	479.9	467.9	425.4	387.4	353.6	372.1	432.0	472.2	484.2	487.5
50°	532.1	529.9	524.5	480.9	432.0	399.3	423.3	486.4	525.6	532.1	534.3
52.5°	585.4	580.0	581.0	539.7	492.9	458.1	486.4	534.3	585.4	584.3	583.2
55°	647.4	646.3	649.6	619.1	565.8	527.7	559.3	619.1	651.8	648.5	642.0
57.5°	720.3	720.3	729.0	711.6	660.5	621.3	642.0	706.2	724.7	712.7	709.4
60°	816.1	810.6	825.9	809.5	774.7	722.5	748.6	804.1	811.7	796.5	799.8
62.5°	935.8	933.6	942.3	941.2	899.9	838.9	866.1	916.2	924.9	911.8	917.3
65°	1068.5	1066.3	1077.2	1074.0	1027.2	961.9	985.8	1041.3	1041.3	1016.3	1018.5
67.5°	1177.3	1177.3	1193.6	1199.1	1134.9	1052.2	1068.5	1132.7	1128.4	1096.8	1097.9
70°	1221.9	1228.5	1247.0	1249.1	1194.7	1124.0	1121.8	1161.0	1153.4	1114.2	1115.3
72.5°	1145.8	1149.0	1181.7	1192.6	1180.6	1149.0	1115.3	1090.3	1071.8	1044.6	1044.6
75°	928.1	926.0	968.4	1031.5	1067.4	1099.0	1019.5	947.7	920.5	896.6	905.3
77.5°	589.7	580.0	627.8	735.6	833.5	926.0	838.9	733.4	662.7	618.0	611.5
80°	260.1	265.5	304.7	415.7	547.3	648.5	584.3	429.8	333.0	270.9	252.4
82.5°	115.3	117.5	133.8	182.8	304.7	380.8	323.2	196.9	136.0	120.8	119.7
85°	79.4	83.8	81.6	100.1	141.5	170.8	149.1	99.0	82.7	78.3	75.1
87.5°	72.9	74.0	69.6	76.2	93.6	87.0	87.0	70.7	59.8	65.3	64.2
90°	76.2	77.3	69.6	71.8	86.0	77.3	80.5	66.4	62.0	69.6	68.6
92.5°	77.3	82.7	76.2	74.0	86.0	84.9	80.5	68.6	67.5	75.1	74.0
95°	68.6	76.2	68.6	69.6	79.4	80.5	76.2	67.5	69.6	75.1	77.3
97.5°	41.3	44.6	44.6	51.1	55.5	58.8	56.6	49.0	41.3	39.2	37.0
100°	15.2	15.2	21.8	32.6	30.5	25.0	31.6	31.6	18.5	9.8	6.5
102.5°	6.5	6.5	13.1	18.5	13.1	8.7	14.1	19.6	12.0	6.5	5.4
105°	6.5	6.5	7.6	9.8	5.4	4.4	5.4	9.8	5.4	5.4	5.4
107.5°	5.4	5.4	4.4	4.4	3.3	3.3	3.3	3.3	4.4	5.4	6.5
110°	5.4	4.4	3.3	3.3	3.3	3.3	3.3	3.3	3.3	5.4	5.4

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	4.4	3.3	2.2	2.2	2.2	3.3	2.2	2.2	2.2	3.3	3.3
115°	3.3	3.3	2.2	2.2	2.2	2.2	2.2	2.2	2.2	3.3	3.3
117.5°	3.3	3.3	2.2	2.2	2.2	2.2	2.2	2.2	2.2	3.3	3.3
120°	3.3	3.3	2.2	1.1	1.1	1.1	2.2	2.2	2.2	3.3	3.3
122.5°	3.3	3.3	2.2	1.1	1.1	1.1	1.1	1.1	2.2	3.3	3.3
125°	3.3	3.3	2.2	1.1	1.1	1.1	1.1	1.1	2.2	3.3	3.3
127.5°	3.3	2.2	2.2	1.1	1.1	1.1	1.1	1.1	2.2	3.3	3.3
130°	2.2	2.2	1.1	1.1	1.1	1.1	1.1	1.1	2.2	2.2	2.2
132.5°	2.2	2.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.2	2.2
135°	2.2	2.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.2	2.2
137.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
140°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
142.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
145°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
147.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
150°	2.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.2	2.2
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)