

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: P694854

Luminaire Tested: **LXF.LXT-PA16-30-740-U-5WQ-TL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694854
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-5)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-30-740-U-5WQ-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 560mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS
AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3844 lumens
Efficiency: N/A
Efficacy: 131.6 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: B3 - U3 - G2

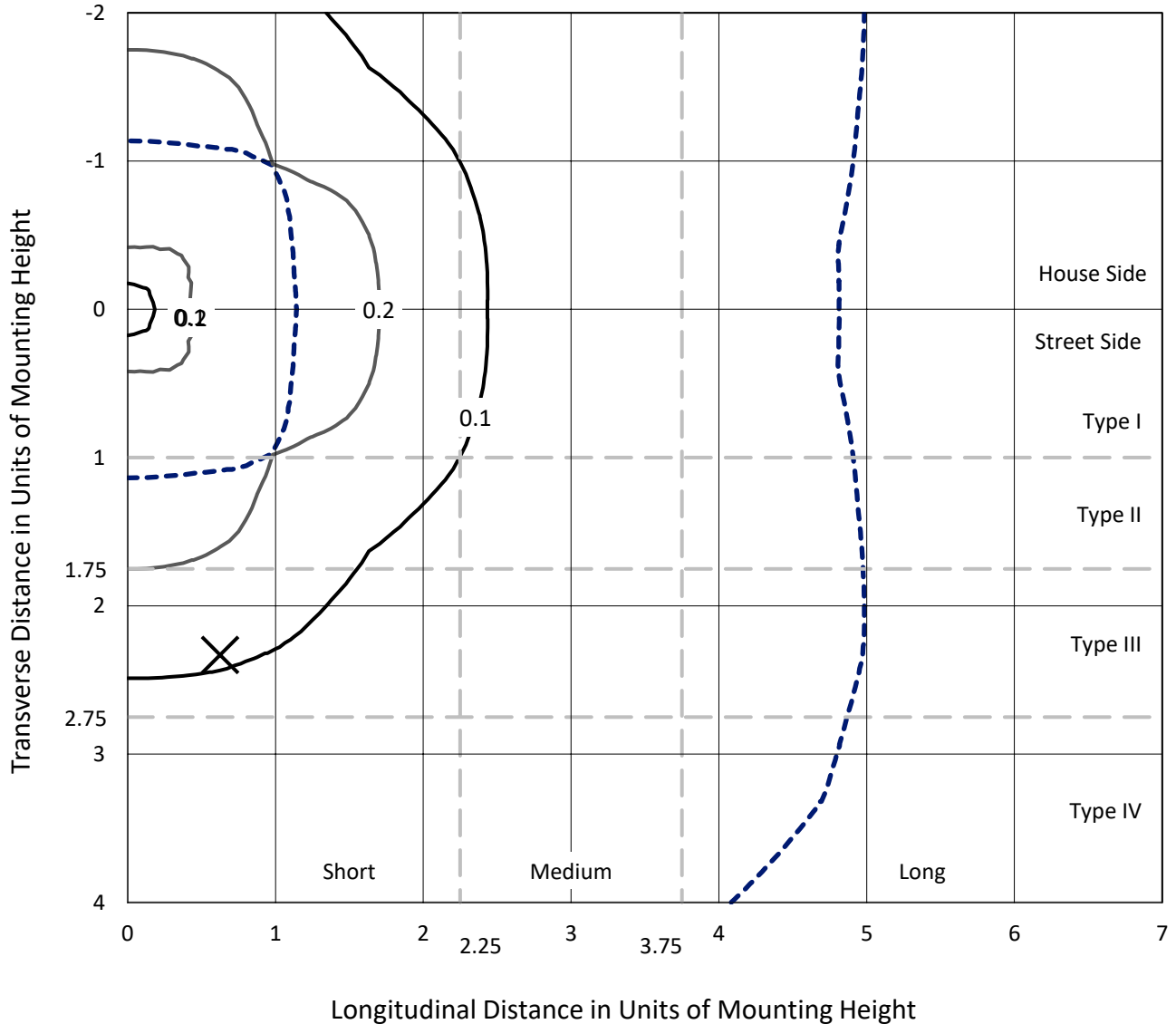
Input Watts (W): 29.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

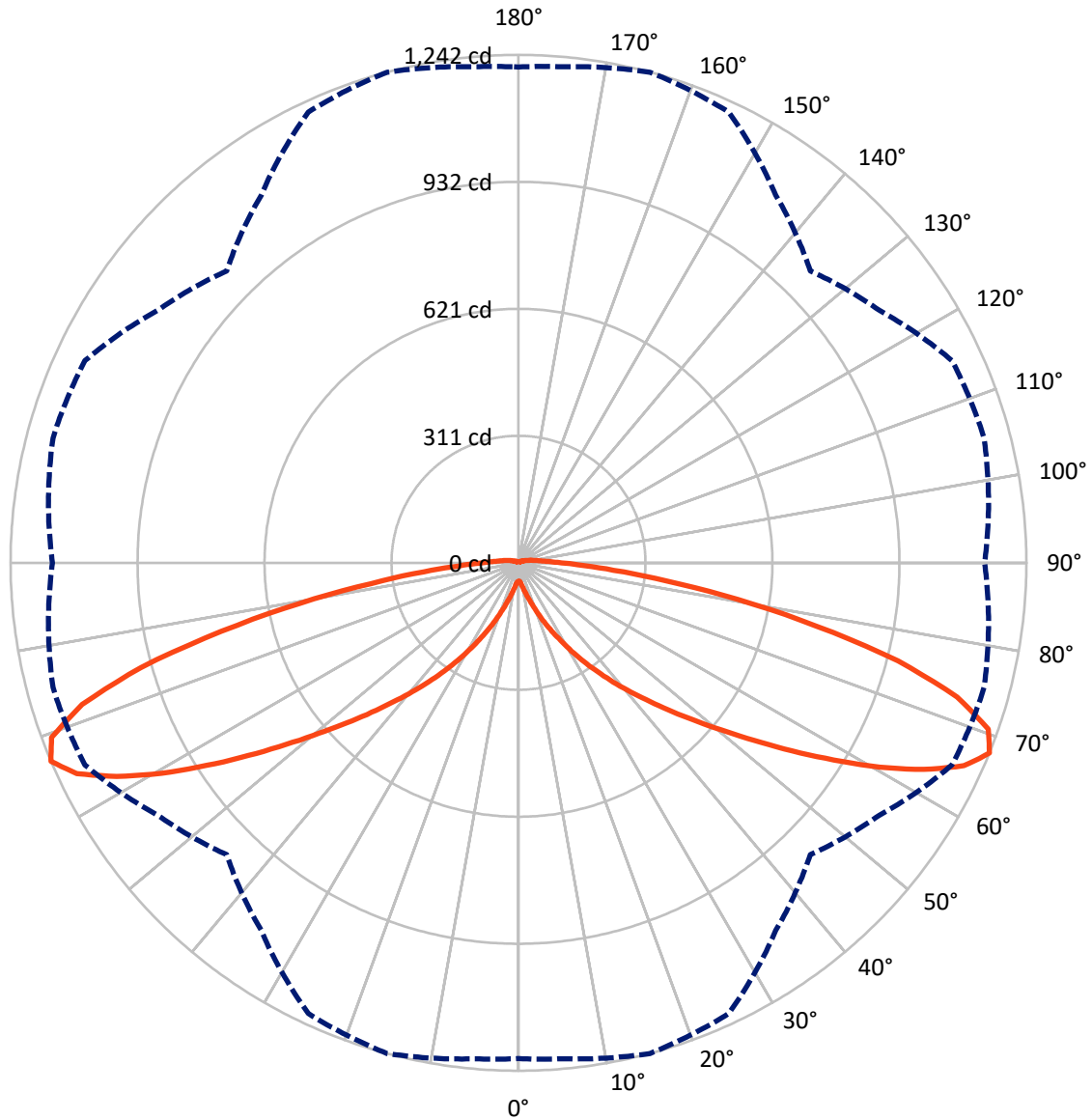
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 15-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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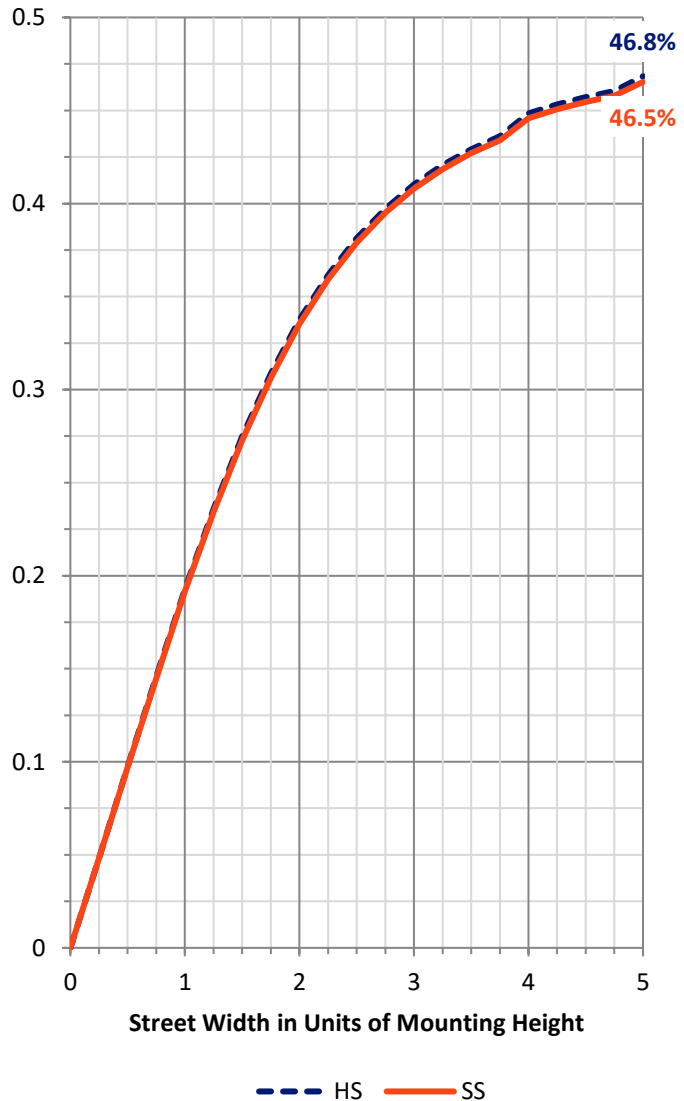
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1860.2	61.8	1922.0
	% Fixture	48.4	1.6	50.0
Street Side	Lumens	1860.2	61.8	1922.0
	% Fixture	48.4	1.6	50.0
Total	Lumens	3720.4	123.6	3844.0
	% Fixture	96.8	3.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.1	0.1
10°-20°	26.1	0.7
20°-30°	81.9	2.1
30°-40°	192.4	5.0
40°-50°	375.2	9.8
50°-60°	686.5	17.9
60°-70°	1078.7	28.1
70°-80°	951.1	24.7
80°-90°	323.5	8.4
90°-100°	72.4	1.9
100°-110°	27.8	0.7
110°-120°	12.3	0.3
120°-130°	6.2	0.2
130°-140°	3.3	0.1
140°-150°	1.5	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3720.4	96.8
0°-180°	3844.0	100.0

Coefficient of Utilization



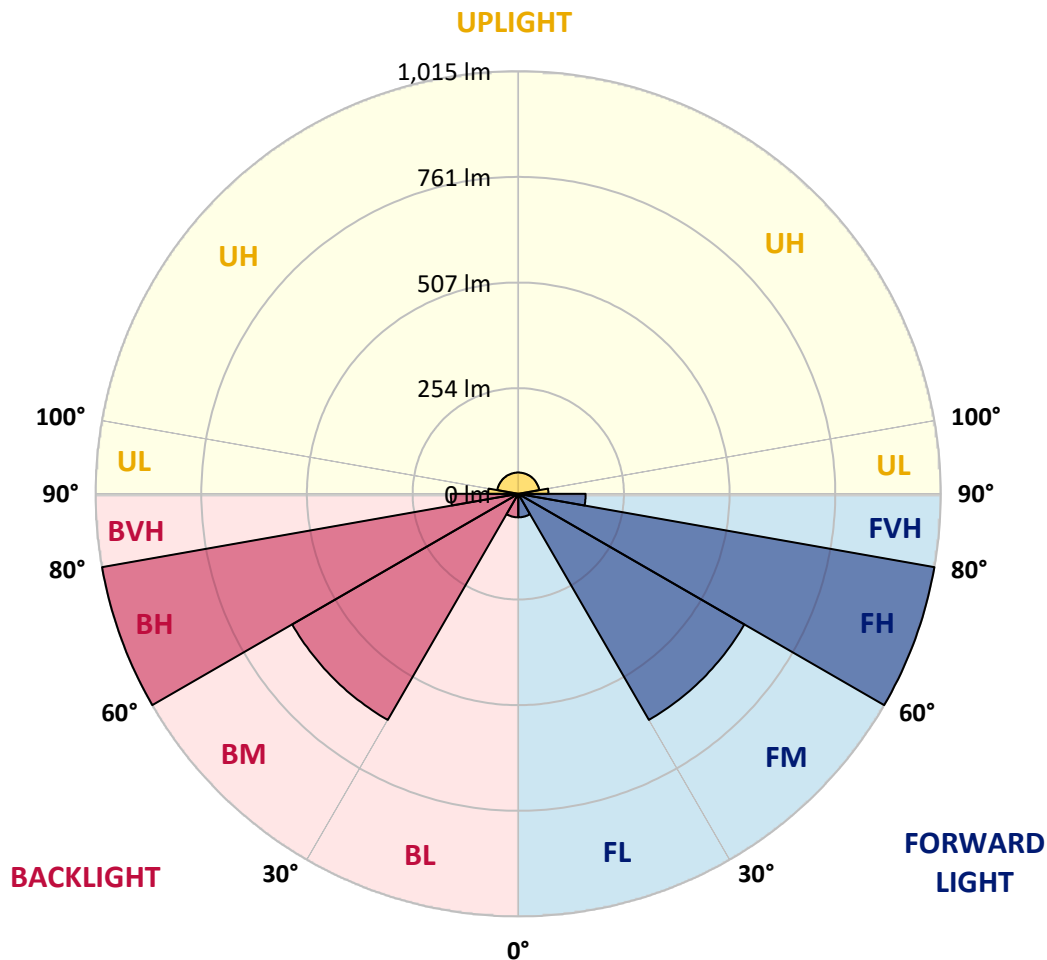
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	56.5	1.5			
FM (30°-60°)	627.0	16.3			
FH (60°-80°)	1014.9	26.4			G1/1800
FVH (80°-90°)	161.7	4.2			G2/225
BL (0°-30°)	56.5	1.5	B0/110		
BM (30°-60°)	627.0	16.3	B1/1000		
BH (60°-80°)	1014.9	26.4	B3/2500		G1/1800
BVH (80°-90°)	161.7	4.2			G2/225
UL (90°-100°)	72.4	1.9		U3/500	
UH (100°-180°)	51.1	1.3		U3/500	

BUG Rating: B3-U3-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
2.5°	45.3	45.3	45.3	45.3	46.6	46.6	46.6	45.3	45.3	45.3	45.3
5°	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	47.9
7.5°	54.4	54.4	54.4	54.4	54.4	55.6	54.4	54.4	54.4	54.4	54.4
10°	63.4	63.4	63.4	63.4	62.1	62.1	62.1	62.1	60.8	62.1	60.8
12.5°	75.1	75.1	75.1	73.8	72.5	72.5	72.5	71.2	72.5	72.5	72.5
15°	90.6	90.6	89.3	88.0	85.4	84.1	85.4	85.4	85.4	86.7	86.7
17.5°	107.4	108.7	106.1	103.5	100.9	100.9	99.6	100.9	103.5	104.8	104.8
20°	132.0	130.7	126.8	122.9	119.1	117.8	117.8	121.6	124.2	125.5	126.8
22.5°	156.6	156.6	152.7	144.9	139.8	137.2	138.5	142.4	148.8	154.0	154.0
25°	187.6	185.1	179.9	169.5	161.8	159.2	160.5	166.9	177.3	181.2	183.8
27.5°	218.7	217.4	209.6	198.0	186.4	181.2	185.1	196.7	208.4	216.1	218.7
30°	254.9	253.6	244.6	229.1	213.5	205.8	212.2	226.5	244.6	253.6	256.2
32.5°	295.1	293.8	282.1	261.4	240.7	232.9	240.7	261.4	282.1	293.8	295.1
35°	337.8	333.9	320.9	297.7	270.5	260.1	270.5	297.7	322.2	337.8	339.1
37.5°	380.5	377.9	363.7	336.5	304.1	291.2	302.8	337.8	364.9	383.1	379.2
40°	424.5	423.2	408.9	376.6	340.4	323.5	341.7	376.6	410.2	429.7	430.9
42.5°	474.9	474.9	456.8	423.2	379.2	359.8	379.2	424.5	462.0	477.5	478.8
45°	530.6	526.7	512.5	476.2	425.8	402.5	425.8	476.2	513.8	531.9	530.6
47.5°	588.8	586.2	573.3	537.1	477.5	452.9	476.2	534.5	573.3	586.2	586.2
50°	656.1	653.5	641.9	604.4	539.7	509.9	540.9	599.2	641.9	653.5	649.7
52.5°	733.8	726.0	720.8	684.6	614.7	575.9	609.5	679.4	718.2	720.8	720.8
55°	810.1	815.3	811.4	772.6	694.9	648.4	689.8	766.1	801.1	806.2	799.8
57.5°	907.2	912.4	909.8	869.7	785.5	729.9	776.5	860.6	890.4	889.1	887.8
60°	1014.6	1017.2	1014.6	979.7	886.5	816.6	872.2	960.2	988.7	981.0	974.5
62.5°	1109.1	1111.7	1113.0	1087.1	975.8	898.1	955.1	1054.7	1076.7	1063.8	1059.9
65°	1185.4	1184.1	1197.1	1169.9	1052.1	965.4	1030.1	1135.0	1147.9	1127.2	1120.7
67.5°	1212.6	1217.8	1242.4	1216.5	1097.4	1009.4	1076.7	1169.9	1179.0	1153.1	1140.1
70°	1177.7	1189.3	1219.1	1206.1	1097.4	1015.9	1078.0	1159.5	1155.7	1123.3	1110.4
72.5°	1081.9	1084.5	1122.0	1128.5	1048.2	981.0	1028.8	1087.1	1067.7	1023.7	1019.8
75°	912.4	912.4	959.0	987.4	943.4	889.1	926.6	952.5	922.7	871.0	864.5
77.5°	698.8	706.6	745.4	807.5	797.2	771.3	788.1	793.3	731.2	676.8	678.1
80°	491.8	502.1	543.5	606.9	625.1	623.8	627.7	594.0	535.8	491.8	485.3
82.5°	330.0	324.8	363.7	420.6	463.3	471.1	468.5	421.9	364.9	323.5	318.4
85°	200.6	201.9	232.9	279.5	318.4	337.8	323.5	282.1	230.4	203.2	201.9
87.5°	124.2	126.8	144.9	176.0	216.1	234.2	218.7	182.5	144.9	125.5	124.2
90°	84.1	84.1	95.8	115.2	142.4	160.5	146.2	117.8	95.8	84.1	82.8
92.5°	60.8	63.4	67.3	80.2	99.6	111.3	100.9	80.2	67.3	60.8	59.5
95°	47.9	47.9	51.8	58.2	72.5	80.2	72.5	59.5	51.8	46.6	46.6
97.5°	37.5	38.8	41.4	46.6	55.6	60.8	55.6	46.6	41.4	37.5	36.2
100°	29.8	31.1	33.6	38.8	45.3	47.9	45.3	38.8	33.6	29.8	29.8
102.5°	23.3	24.6	27.2	32.4	37.5	38.8	37.5	31.1	27.2	23.3	23.3
105°	18.1	18.1	22.0	27.2	31.1	32.4	31.1	25.9	22.0	18.1	18.1
107.5°	14.2	14.2	18.1	22.0	25.9	27.2	25.9	22.0	16.8	14.2	14.2
110°	11.6	11.6	14.2	18.1	22.0	23.3	22.0	18.1	14.2	11.6	11.6

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	9.1	9.1	11.6	15.5	18.1	19.4	18.1	15.5	11.6	9.1	9.1
115°	7.8	7.8	9.1	12.9	15.5	16.8	15.5	12.9	9.1	7.8	7.8
117.5°	6.5	6.5	7.8	10.4	12.9	14.2	12.9	10.4	7.8	6.5	6.5
120°	6.5	6.5	6.5	9.1	11.6	12.9	11.6	9.1	6.5	6.5	6.5
122.5°	5.2	5.2	6.5	7.8	10.4	10.4	9.1	7.8	6.5	5.2	5.2
125°	5.2	5.2	5.2	6.5	7.8	9.1	7.8	6.5	5.2	5.2	5.2
127.5°	5.2	5.2	5.2	5.2	7.8	7.8	7.8	5.2	5.2	5.2	5.2
130°	3.9	3.9	3.9	5.2	6.5	6.5	6.5	5.2	5.2	3.9	5.2
132.5°	3.9	3.9	3.9	5.2	5.2	6.5	5.2	5.2	3.9	3.9	3.9
135°	3.9	3.9	3.9	3.9	5.2	5.2	5.2	3.9	3.9	3.9	3.9
137.5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
140°	2.6	2.6	2.6	2.6	3.9	3.9	3.9	2.6	2.6	3.9	2.6
142.5°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
145°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
147.5°	1.3	2.6	1.3	1.3	1.3	2.6	2.6	2.6	2.6	2.6	2.6
150°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
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)