

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: P414448

Luminaire Tested: **LXF.LXT-PA1-20-830-U-5WQ-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414448
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-6)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-20-830-U-5WQ-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS
AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2197 lumens
Efficiency: N/A
Efficacy: 104.6 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B2 - U3 - G2

Input Watts (W): 21
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: 28.75 FT

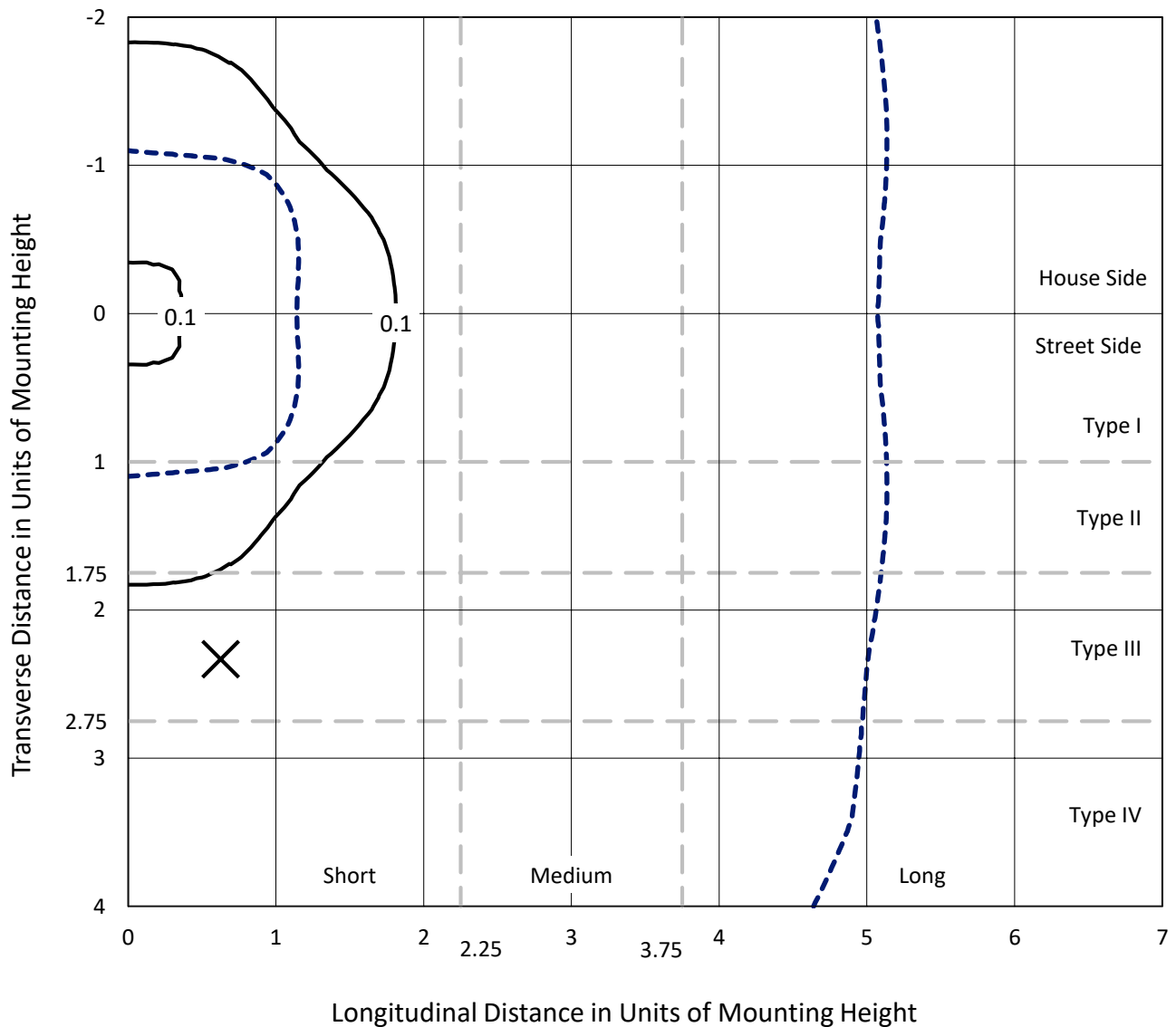


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

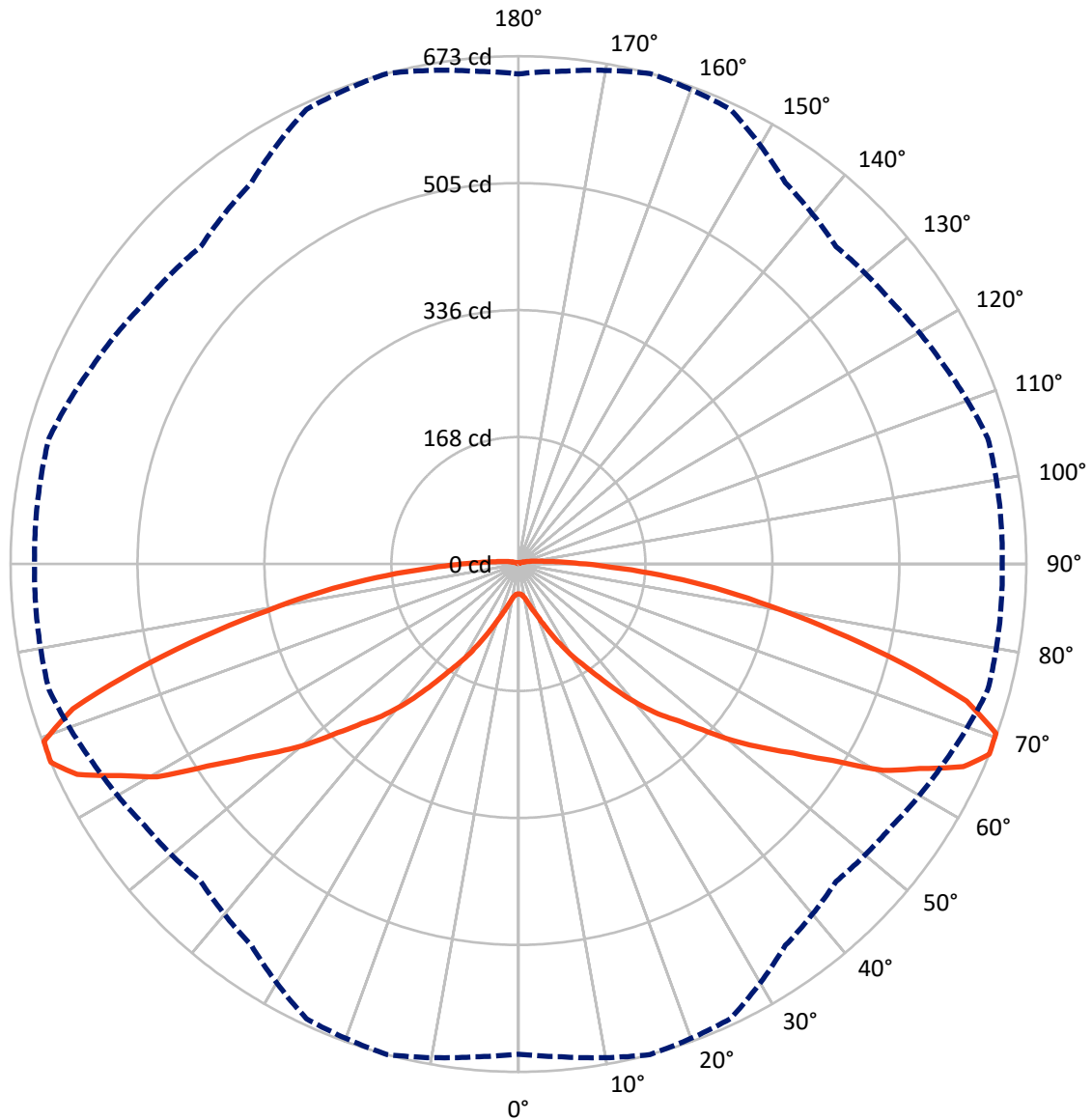


Based on 25 foot mounting height. Maximum calculated value = 0.2 fc
 Type V - Short - Non-Cutoff

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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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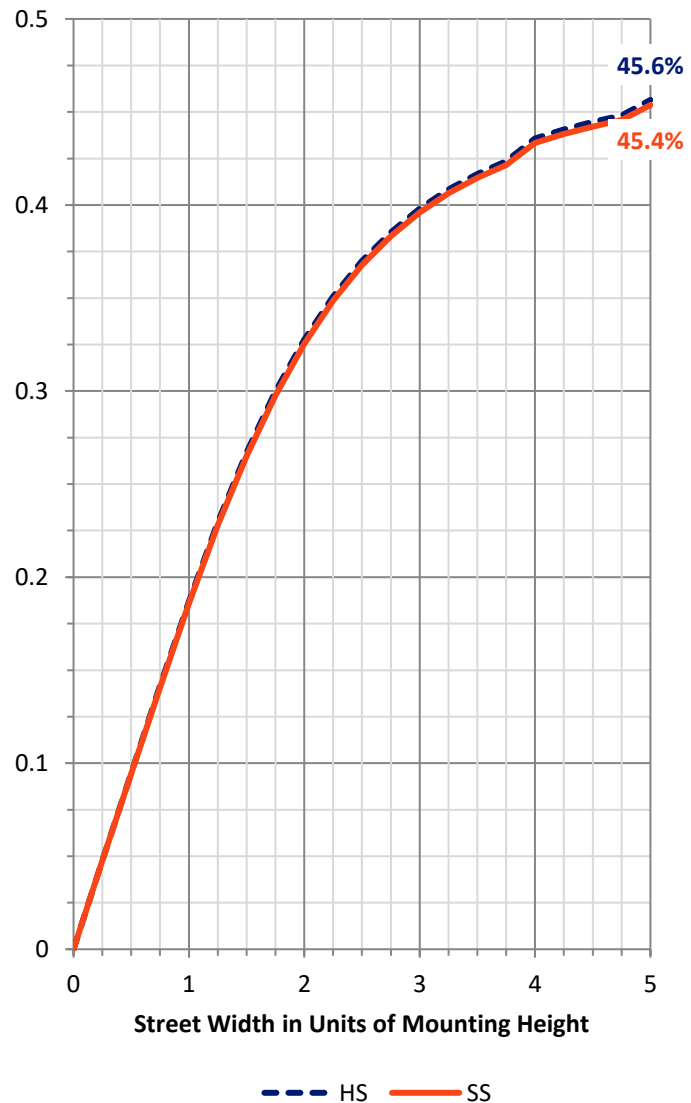
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1055.1	43.4	1098.5
	% Fixture	48.0	2.0	50.0
Street Side	Lumens	1055.1	43.4	1098.5
	% Fixture	48.0	2.0	50.0
Total	Lumens	2110.3	86.7	2197.0
	% Fixture	96.1	3.9	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.0	0.2
10°-20°	16.4	0.7
20°-30°	47.3	2.2
30°-40°	111.4	5.1
40°-50°	210.0	9.6
50°-60°	374.5	17.0
60°-70°	592.0	26.9
70°-80°	521.6	23.7
80°-90°	233.1	10.6
90°-100°	57.9	2.6
100°-110°	16.0	0.7
110°-120°	6.4	0.3
120°-130°	3.4	0.2
130°-140°	2.0	0.1
140°-150°	0.8	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2110.3	96.1
0°-180°	2197.0	100.0



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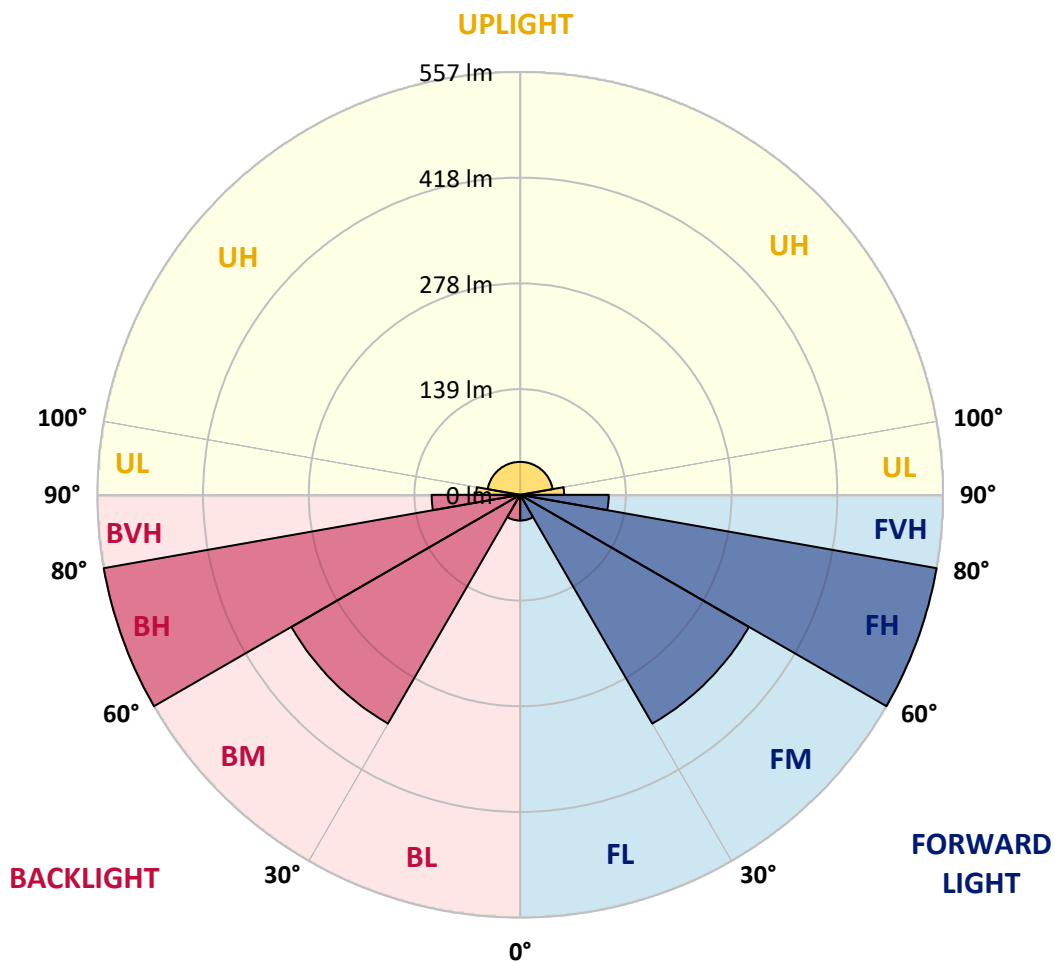
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	33.9	1.5			
FM (30°-60°)	347.9	15.8			
FH (60°-80°)	556.8	25.3			G0/660
FVH (80°-90°)	116.6	5.3			G2/225
BL (0°-30°)	33.9	1.5	B0/110		
BM (30°-60°)	347.9	15.8	B1/1000		
BH (60°-80°)	556.8	25.3	B2/1000		G0/660
BVH (80°-90°)	116.6	5.3			G2/225
UL (90°-100°)	57.9	2.6		U3/500	
UH (100°-180°)	43.4	2.0		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°	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5
2.5°	39.5	39.5	39.8	39.8	40.0	40.2	40.0	39.8	39.5	39.3	39.3
5°	40.7	40.7	40.7	40.7	40.9	40.9	40.7	40.2	40.0	39.8	39.8
7.5°	42.6	42.6	42.6	42.6	42.6	42.4	41.9	41.4	41.2	40.9	40.9
10°	45.7	45.7	45.3	45.3	45.0	44.8	44.3	43.8	43.3	43.6	43.6
12.5°	51.0	51.2	50.5	49.3	48.4	47.9	47.7	47.7	48.4	48.4	48.6
15°	58.7	58.7	57.5	55.8	53.9	52.4	52.9	54.1	55.3	56.0	56.0
17.5°	67.1	67.1	65.9	63.7	61.1	60.3	60.1	61.3	63.9	64.9	65.1
20°	77.6	77.6	75.4	72.3	69.9	69.0	69.0	70.9	73.8	75.9	75.7
22.5°	92.0	91.7	88.6	83.3	80.2	78.8	78.5	81.2	86.2	89.6	90.5
25°	109.2	109.0	104.9	97.9	93.2	89.3	90.3	94.8	102.5	107.8	107.8
27.5°	128.8	127.9	122.6	114.9	107.8	102.7	104.2	110.6	120.2	127.4	127.6
30°	148.0	148.0	142.2	133.1	123.6	117.3	119.0	128.1	139.6	150.9	151.1
32.5°	168.3	168.1	160.9	151.8	140.1	133.1	135.8	147.0	163.3	176.2	178.6
35°	194.4	194.7	184.6	172.2	157.3	149.7	153.3	167.9	187.3	202.8	204.3
37.5°	222.5	223.9	212.9	196.8	177.0	167.6	172.9	189.9	212.4	228.7	228.7
40°	252.6	253.4	243.3	222.9	199.0	186.8	193.7	211.9	229.2	243.1	243.8
42.5°	278.3	279.0	271.1	251.2	224.4	209.8	213.8	227.7	244.0	259.6	261.0
45°	298.4	300.8	296.0	279.0	251.7	234.0	233.5	247.6	267.2	283.5	285.4
47.5°	334.8	336.0	327.6	307.5	279.7	260.3	258.4	272.5	298.1	315.6	316.8
50°	366.9	370.5	367.3	345.8	312.7	289.3	289.5	308.2	336.0	353.7	355.4
52.5°	403.0	404.7	403.7	385.3	353.2	325.4	328.5	349.6	379.6	390.6	392.5
55°	436.1	438.7	442.1	428.4	396.6	372.1	375.0	397.5	417.6	428.2	429.1
57.5°	488.5	491.1	490.9	470.8	443.5	419.8	424.6	442.3	468.6	486.6	489.7
60°	545.5	549.3	555.3	529.2	488.3	471.7	477.7	503.4	533.3	535.9	539.3
62.5°	583.6	585.5	596.7	588.1	540.5	520.6	536.4	558.2	573.8	576.2	575.2
65°	633.4	639.6	647.5	627.6	589.3	562.0	580.2	596.5	624.5	626.9	626.4
67.5°	649.2	655.2	672.7	664.5	616.6	594.8	604.2	622.1	643.7	641.8	640.8
70°	650.4	656.1	671.0	666.7	622.8	592.7	602.3	609.2	629.1	629.3	626.7
72.5°	585.3	595.3	620.7	628.4	590.0	559.1	559.9	559.6	561.1	545.3	539.0
75°	493.1	500.2	525.1	543.6	523.9	497.4	496.9	476.8	472.5	460.5	456.2
77.5°	394.9	403.7	427.7	447.8	440.9	426.5	419.1	396.3	390.1	376.4	378.1
80°	307.0	313.9	337.6	363.7	365.7	355.6	347.5	328.8	316.6	305.1	300.0
82.5°	236.4	242.3	262.7	290.9	302.7	301.5	290.0	268.9	257.9	246.9	240.4
85°	163.3	168.6	188.7	222.9	244.0	251.4	238.5	211.9	192.3	176.7	173.1
87.5°	105.4	107.8	123.8	153.5	185.1	202.6	188.9	155.7	131.0	118.5	114.5
90°	65.9	69.4	80.9	99.4	130.3	152.5	138.7	104.9	87.2	74.5	71.8
92.5°	45.7	45.3	53.2	66.1	88.8	107.0	95.1	69.4	55.1	46.7	45.0
95°	30.2	31.4	35.7	43.8	60.1	71.4	62.7	46.2	36.2	30.2	29.5
97.5°	22.5	22.7	26.1	31.1	40.9	46.9	41.7	32.1	25.6	21.8	21.6
100°	17.7	18.0	20.4	23.2	28.7	32.6	29.2	24.2	19.9	17.0	17.0
102.5°	13.9	14.1	15.8	18.2	21.8	24.2	22.3	18.7	15.6	13.4	13.2
105°	11.0	11.0	12.5	14.4	17.0	18.7	17.5	14.6	12.0	10.5	10.5
107.5°	8.6	8.9	9.8	11.3	13.6	15.3	13.9	11.3	9.3	8.1	8.1
110°	6.9	6.9	7.7	9.1	11.0	12.5	11.3	9.1	7.4	6.7	6.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	5.7	5.7	6.2	7.4	9.1	10.3	9.1	7.4	6.0	5.5	5.5
115°	4.8	4.8	5.3	6.0	7.7	8.4	7.7	6.0	5.0	4.5	4.5
117.5°	4.3	4.3	4.5	5.3	6.5	6.9	6.5	5.0	4.3	4.1	4.1
120°	3.8	3.8	4.1	4.5	5.5	6.0	5.5	4.5	3.8	3.6	3.6
122.5°	3.6	3.6	3.6	4.1	5.0	5.3	4.8	4.1	3.4	3.4	3.4
125°	3.4	3.4	3.4	3.6	4.3	4.5	4.3	3.6	3.1	3.1	3.1
127.5°	3.1	3.1	3.1	3.4	3.8	4.1	3.8	3.4	2.9	2.9	2.9
130°	3.1	3.1	2.9	3.1	3.4	3.6	3.4	3.1	2.9	2.6	2.9
132.5°	2.9	2.9	2.9	2.9	3.1	3.1	3.1	2.9	2.6	2.6	2.6
135°	2.6	2.6	2.4	2.4	2.6	2.9	2.6	2.4	2.4	2.4	2.4
137.5°	2.4	2.2	2.2	2.2	2.4	2.4	2.4	2.2	2.2	2.2	2.2
140°	1.9	1.9	1.9	1.9	1.9	2.2	1.9	1.7	1.7	1.9	1.9
142.5°	1.7	1.7	1.7	1.4	1.7	1.7	1.7	1.4	1.4	1.4	1.4
145°	1.4	1.4	1.4	1.2	1.4	1.4	1.4	1.2	1.2	1.2	1.2
147.5°	1.0	1.2	1.0	1.0	1.2	1.2	1.0	1.0	1.0	1.0	1.0
150°	0.7	0.7	0.7	0.7	1.0	1.0	0.7	0.7	0.7	0.7	0.7
152.5°	0.5	0.5	0.7	0.7	0.7	0.7	0.7	0.7	0.5	0.5	0.5
155°	0.5	0.5	0.5	0.5	0.7	0.7	0.5	0.5	0.5	0.2	0.2
157.5°	0.2	0.2	0.2	0.2	0.5	0.7	0.5	0.2	0.2	0.2	0.2
160°	0.0	0.0	0.0	0.2	0.5	0.7	0.5	0.2	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)