

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: P414188

Luminaire Tested: **LXF.LXT-PA1-20-730-U-5WQ-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414188
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-PA1-20-730-U-5WQ-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 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: 2518 lumens
Efficiency: N/A
Efficacy: 119.9 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 (A_{in}): 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

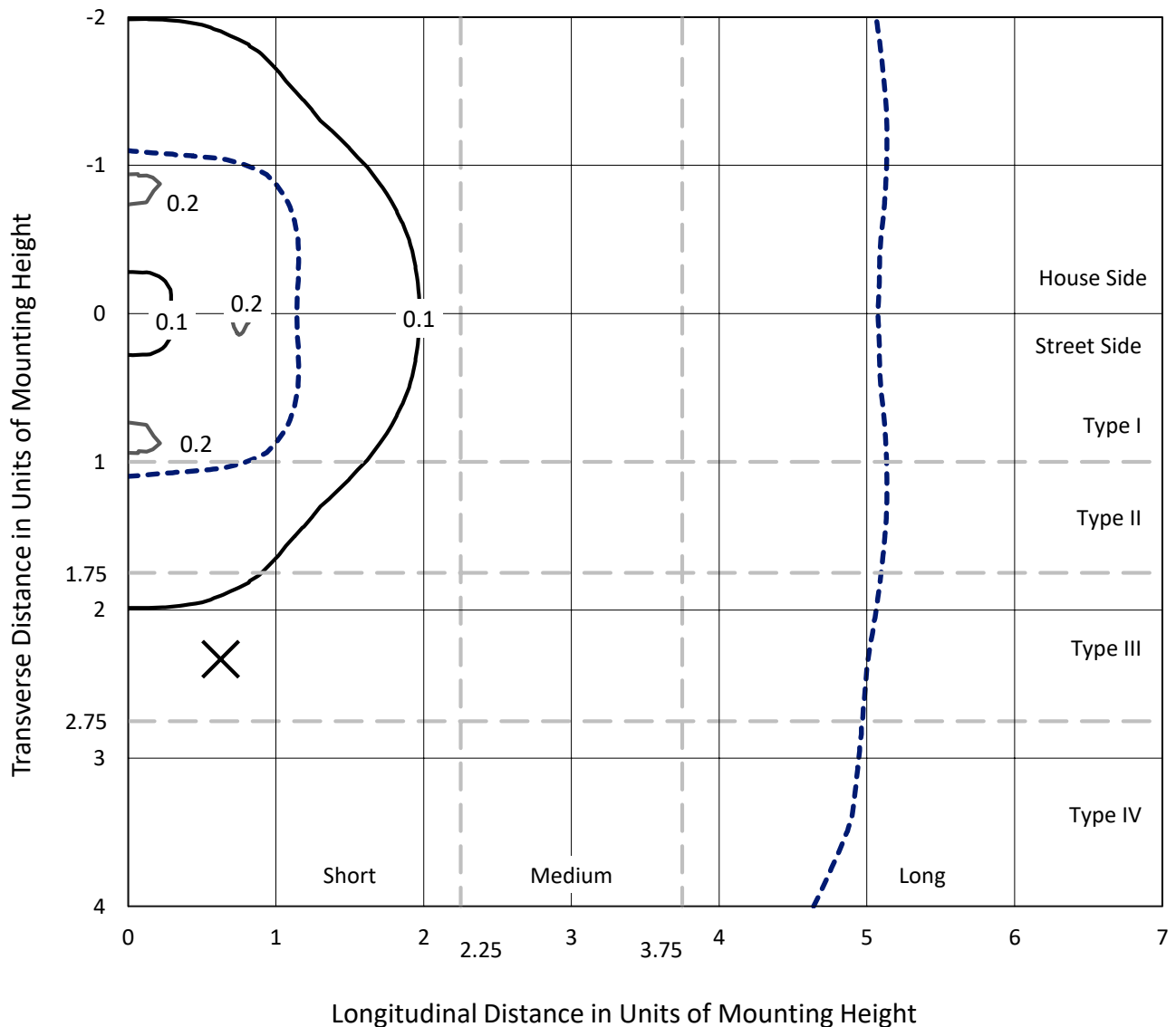


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

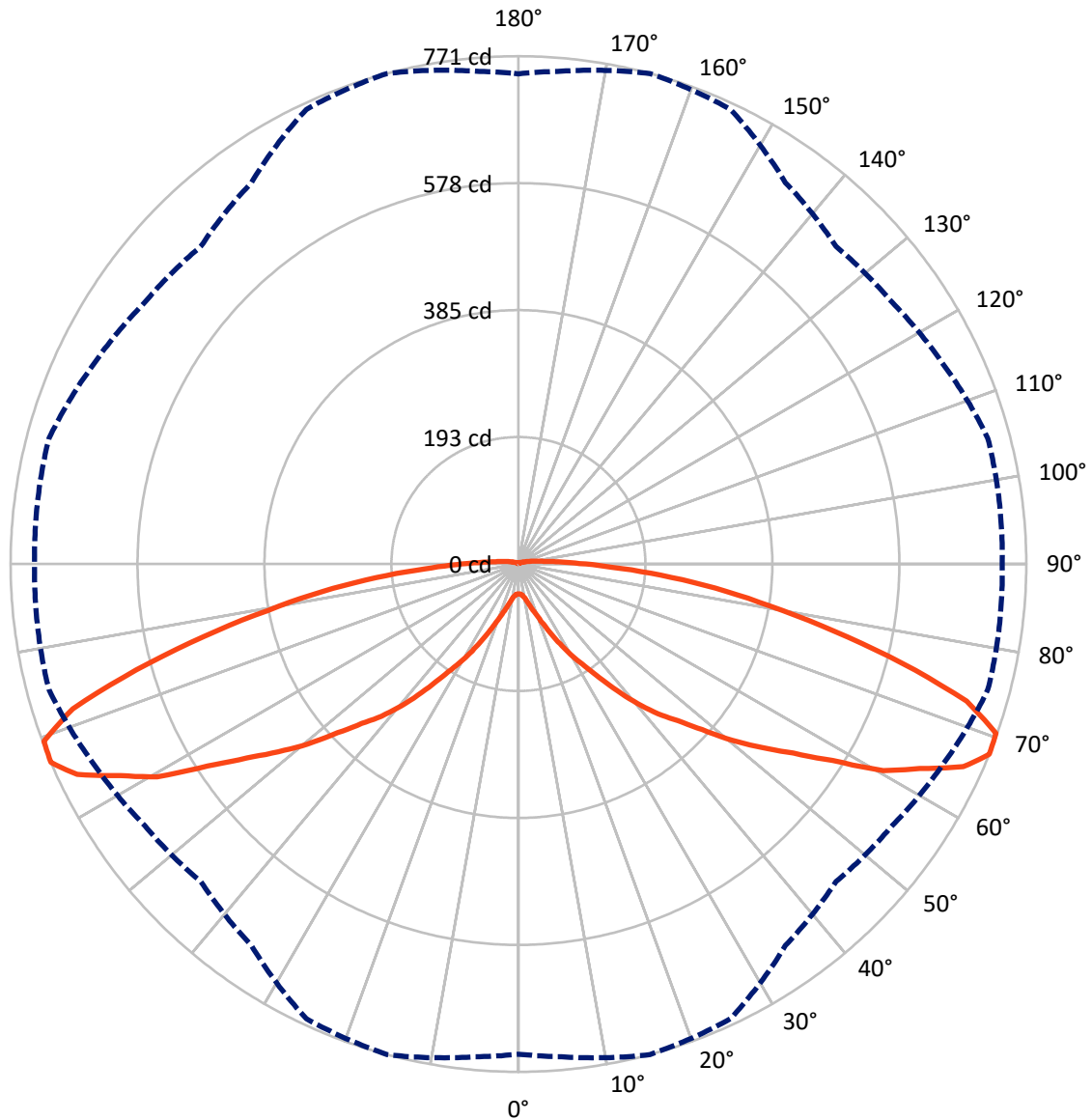


Based on 25 foot mounting height. Maximum calculated value = 0.2 fc
 Type V - Short - Non-Cutoff

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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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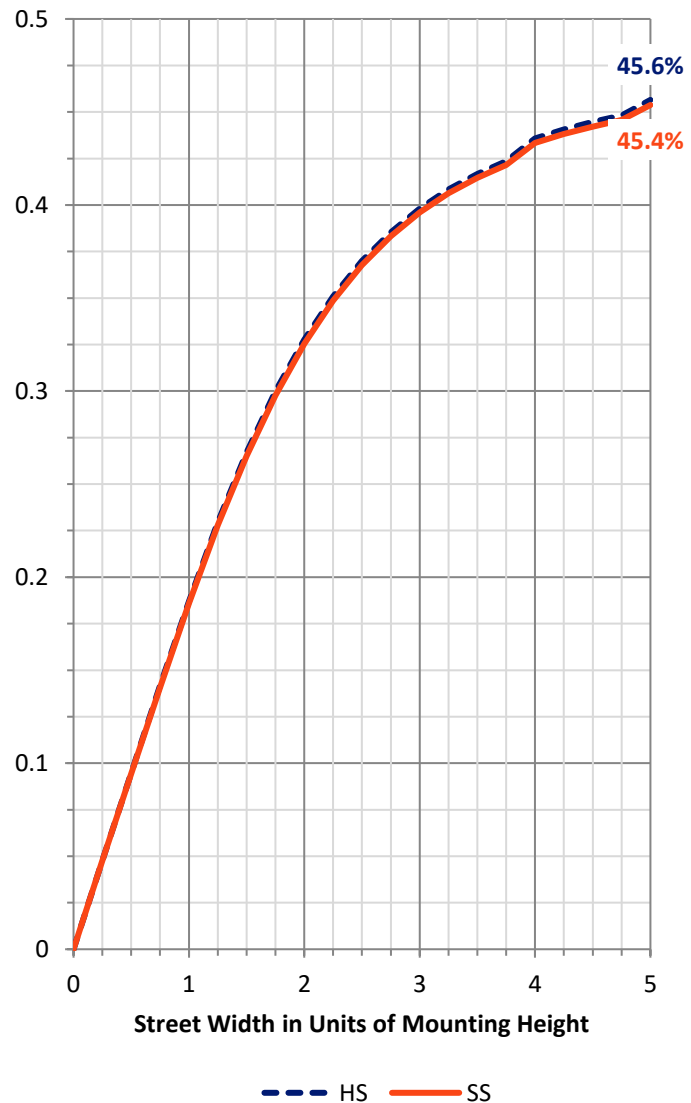
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1209.3	49.7	1259.0
	% Fixture	48.0	2.0	50.0
Street Side	Lumens	1209.3	49.7	1259.0
	% Fixture	48.0	2.0	50.0
Total	Lumens	2418.6	99.4	2518.0
	% Fixture	96.1	3.9	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.6	0.2
10°-20°	18.8	0.7
20°-30°	54.2	2.2
30°-40°	127.7	5.1
40°-50°	240.6	9.6
50°-60°	429.2	17.0
60°-70°	678.5	26.9
70°-80°	597.8	23.7
80°-90°	267.2	10.6
90°-100°	66.4	2.6
100°-110°	18.3	0.7
110°-120°	7.3	0.3
120°-130°	3.9	0.2
130°-140°	2.3	0.1
140°-150°	1.0	0.0
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2418.6	96.1
0°-180°	2518.0	100.0



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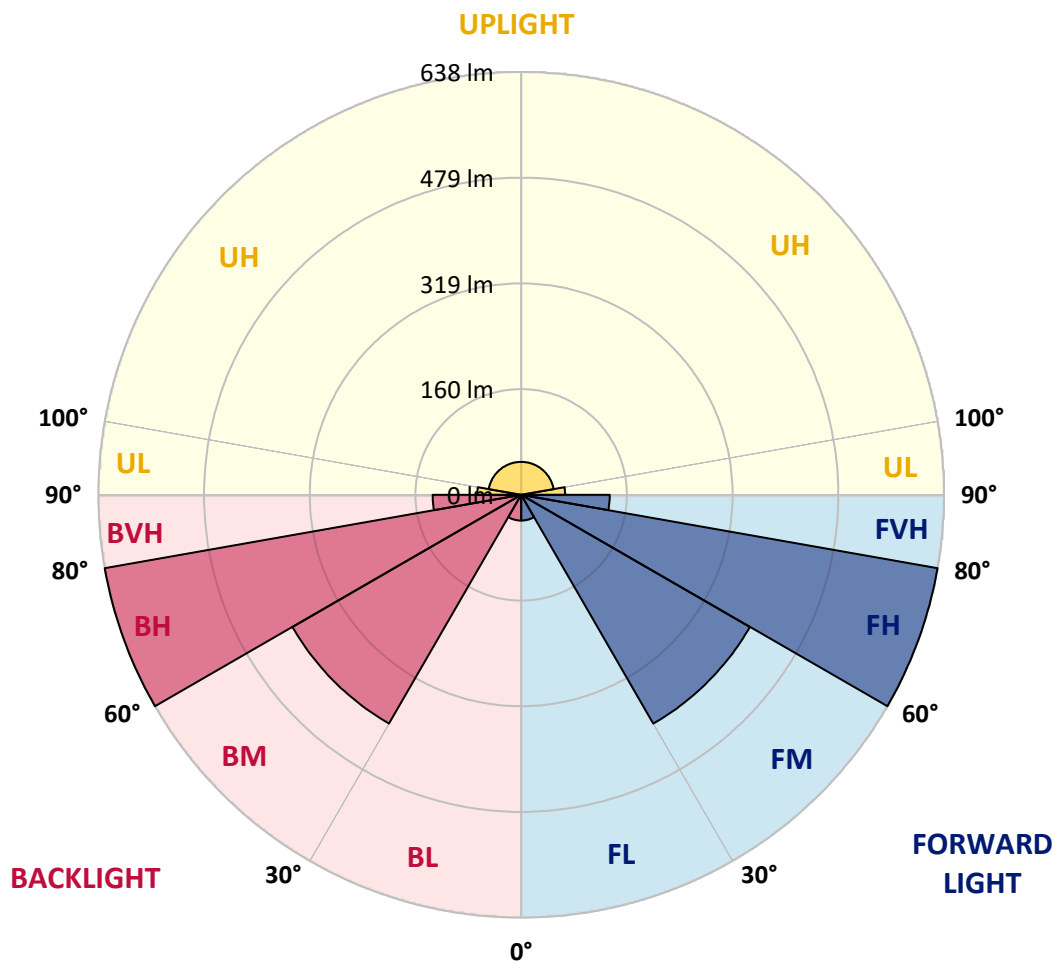
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	38.8	1.5			
FM (30°-60°)	398.7	15.8			
FH (60°-80°)	638.2	25.3			G0/660
FVH (80°-90°)	133.6	5.3			G2/225
BL (0°-30°)	38.8	1.5	B0/110		
BM (30°-60°)	398.7	15.8	B1/1000		
BH (60°-80°)	638.2	25.3	B2/1000		G0/660
BVH (80°-90°)	133.6	5.3			G2/225
UL (90°-100°)	66.4	2.6		U3/500	
UH (100°-180°)	49.7	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°	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	45.6	45.6	45.8	46.1	45.8	45.6	45.3	45.0	45.0
5°	46.7	46.7	46.7	46.7	46.9	46.9	46.7	46.1	45.8	45.6	45.6
7.5°	48.9	48.9	48.9	48.9	48.9	48.6	48.0	47.5	47.2	46.9	46.9
10°	52.4	52.4	51.9	51.9	51.6	51.3	50.8	50.2	49.7	50.0	50.0
12.5°	58.5	58.7	57.9	56.5	55.4	54.9	54.6	54.6	55.4	55.4	55.7
15°	67.2	67.2	65.9	63.9	61.8	60.1	60.7	62.0	63.4	64.2	64.2
17.5°	76.8	76.8	75.5	73.0	70.0	69.2	68.9	70.3	73.3	74.4	74.7
20°	88.9	88.9	86.5	82.9	80.1	79.0	79.0	81.2	84.5	87.0	86.7
22.5°	105.4	105.1	101.5	95.5	91.9	90.3	90.0	93.0	98.8	102.6	103.7
25°	125.2	124.9	120.2	112.3	106.8	102.4	103.5	108.7	117.5	123.5	123.5
27.5°	147.7	146.6	140.5	131.7	123.5	117.7	119.4	126.8	137.8	146.0	146.3
30°	169.6	169.6	163.0	152.6	141.6	134.5	136.4	146.8	160.0	172.9	173.2
32.5°	192.9	192.7	184.4	174.0	160.6	152.6	155.6	168.5	187.2	202.0	204.7
35°	222.9	223.1	211.6	197.3	180.3	171.5	175.6	192.4	214.6	232.5	234.1
37.5°	255.0	256.6	244.0	225.6	202.8	192.1	198.2	217.6	243.4	262.1	262.1
40°	289.5	290.4	278.8	255.5	228.1	214.1	222.0	242.9	262.7	278.6	279.4
42.5°	318.9	319.7	310.7	287.9	257.2	240.4	245.1	261.0	279.7	297.5	299.2
45°	342.0	344.7	339.2	319.7	288.4	268.1	267.6	283.8	306.3	325.0	327.1
47.5°	383.7	385.1	375.5	352.4	320.6	298.3	296.1	312.3	341.7	361.7	363.1
50°	420.5	424.6	421.0	396.3	358.4	331.5	331.8	353.2	385.1	405.4	407.3
52.5°	461.9	463.8	462.7	441.6	404.8	373.0	376.5	400.7	435.0	447.6	449.8
55°	499.8	502.8	506.6	491.0	454.5	426.5	429.8	455.6	478.6	490.7	491.8
57.5°	559.9	562.9	562.6	539.6	508.3	481.1	486.6	506.9	537.1	557.7	561.3
60°	625.2	629.6	636.5	606.5	559.6	540.7	547.5	576.9	611.2	614.2	618.1
62.5°	668.8	671.0	683.9	674.1	619.4	596.7	614.8	639.7	657.6	660.3	659.2
65°	725.9	733.1	742.1	719.3	675.4	644.1	665.0	683.7	715.8	718.5	718.0
67.5°	744.0	750.9	770.9	761.6	706.7	681.7	692.4	713.0	737.7	735.5	734.4
70°	745.4	752.0	769.0	764.1	713.9	679.3	690.2	698.2	721.0	721.3	718.2
72.5°	670.8	682.3	711.4	720.2	676.3	640.8	641.7	641.4	643.0	624.9	617.8
75°	565.1	573.3	601.9	623.0	600.5	570.0	569.5	546.4	541.5	527.8	522.8
77.5°	452.6	462.7	490.2	513.2	505.3	488.8	480.3	454.2	447.1	431.4	433.4
80°	351.8	359.8	387.0	416.9	419.1	407.6	398.2	376.8	362.8	349.7	343.9
82.5°	270.9	277.7	301.1	333.5	346.9	345.5	332.4	308.2	295.6	283.0	275.6
85°	187.2	193.2	216.3	255.5	279.7	288.2	273.4	242.9	220.4	202.5	198.4
87.5°	120.8	123.5	141.9	175.9	212.2	232.2	216.5	178.4	150.1	135.9	131.2
90°	75.5	79.6	92.8	113.9	149.3	174.8	158.9	120.2	99.9	85.4	82.3
92.5°	52.4	51.9	60.9	75.7	101.8	122.7	109.0	79.6	63.1	53.5	51.6
95°	34.6	36.0	40.9	50.2	68.9	81.8	71.9	53.0	41.4	34.6	33.8
97.5°	25.8	26.1	29.9	35.7	46.9	53.8	47.8	36.8	29.4	25.0	24.7
100°	20.3	20.6	23.3	26.6	32.9	37.3	33.5	27.7	22.8	19.5	19.5
102.5°	15.9	16.2	18.1	20.9	25.0	27.7	25.5	21.4	17.8	15.4	15.1
105°	12.6	12.6	14.3	16.5	19.5	21.4	20.0	16.7	13.7	12.1	12.1
107.5°	9.9	10.2	11.3	12.9	15.6	17.6	15.9	12.9	10.7	9.3	9.3
110°	8.0	8.0	8.8	10.4	12.6	14.3	12.9	10.4	8.5	7.7	7.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	6.6	6.6	7.1	8.5	10.4	11.8	10.4	8.5	6.9	6.3	6.3
115°	5.5	5.5	6.0	6.9	8.8	9.6	8.8	6.9	5.8	5.2	5.2
117.5°	4.9	4.9	5.2	6.0	7.4	8.0	7.4	5.8	4.9	4.7	4.7
120°	4.4	4.4	4.7	5.2	6.3	6.9	6.3	5.2	4.4	4.1	4.1
122.5°	4.1	4.1	4.1	4.7	5.8	6.0	5.5	4.7	3.8	3.8	3.8
125°	3.8	3.8	3.8	4.1	4.9	5.2	4.9	4.1	3.6	3.6	3.6
127.5°	3.6	3.6	3.6	3.8	4.4	4.7	4.4	3.8	3.3	3.3	3.3
130°	3.6	3.6	3.3	3.6	3.8	4.1	3.8	3.6	3.3	3.0	3.3
132.5°	3.3	3.3	3.3	3.3	3.6	3.6	3.6	3.3	3.0	3.0	3.0
135°	3.0	3.0	2.7	2.7	3.0	3.3	3.0	2.7	2.7	2.7	2.7
137.5°	2.7	2.5	2.5	2.5	2.7	2.7	2.7	2.5	2.5	2.5	2.5
140°	2.2	2.2	2.2	2.2	2.2	2.5	2.2	1.9	1.9	2.2	2.2
142.5°	1.9	1.9	1.9	1.6	1.9	1.9	1.9	1.6	1.6	1.6	1.6
145°	1.6	1.6	1.6	1.4	1.6	1.6	1.6	1.4	1.4	1.4	1.4
147.5°	1.1	1.4	1.1	1.1	1.4	1.4	1.1	1.1	1.1	1.1	1.1
150°	0.8	0.8	0.8	0.8	1.1	1.1	0.8	0.8	0.8	0.8	0.8
152.5°	0.5	0.5	0.8	0.8	0.8	0.8	0.8	0.8	0.5	0.5	0.5
155°	0.5	0.5	0.5	0.5	0.8	0.8	0.5	0.5	0.5	0.3	0.3
157.5°	0.3	0.3	0.3	0.3	0.5	0.8	0.5	0.3	0.3	0.3	0.3
160°	0.0	0.0	0.0	0.3	0.5	0.8	0.5	0.3	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)