

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: P414864

Luminaire Tested: **LXF.LXT-PA1-30-830-U-5WQ-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414864
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-PA1-30-830-U-5WQ-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 375mA 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: 3082 lumens
Efficiency: N/A
Efficacy: 99.4 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): 31
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

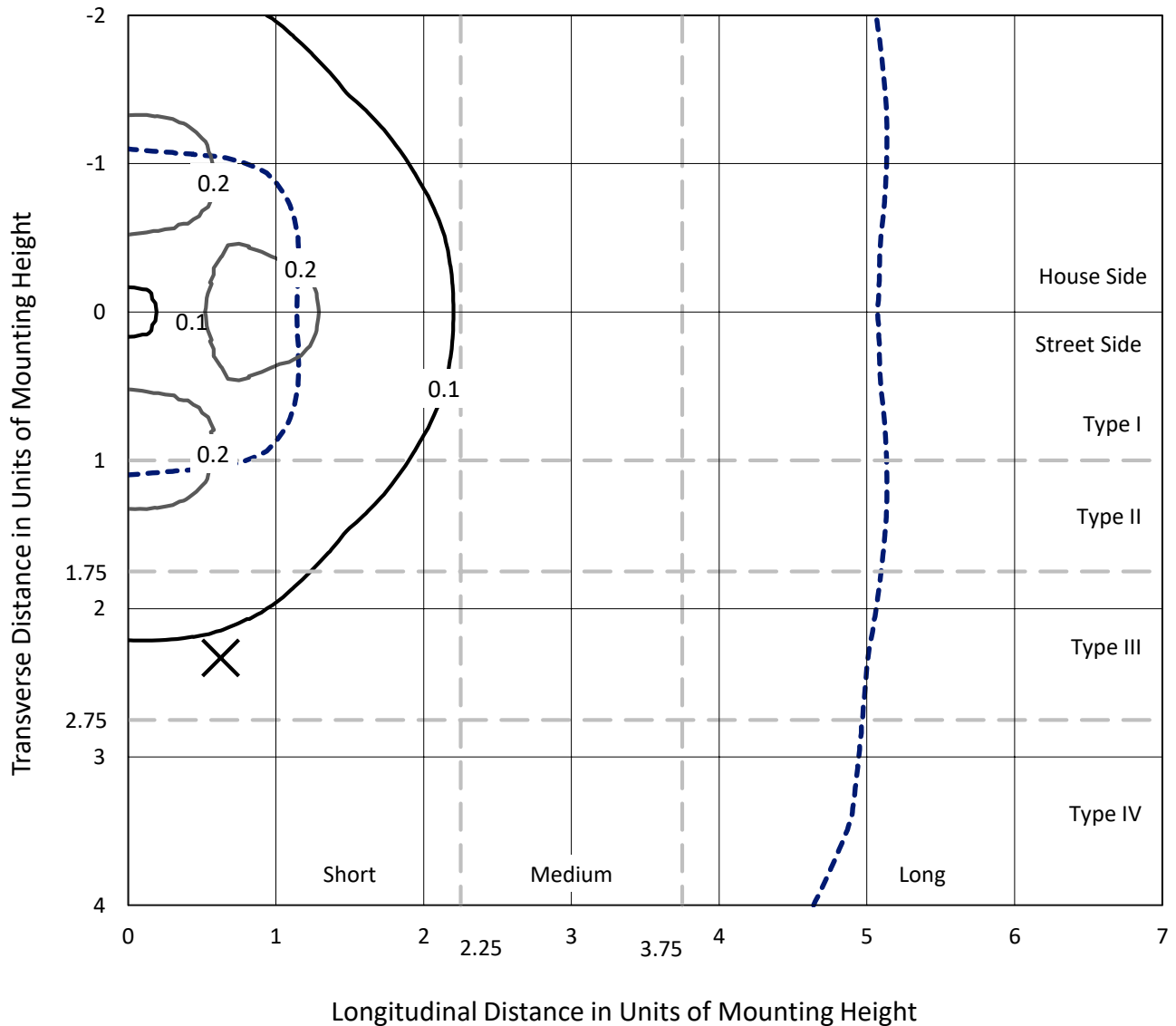


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

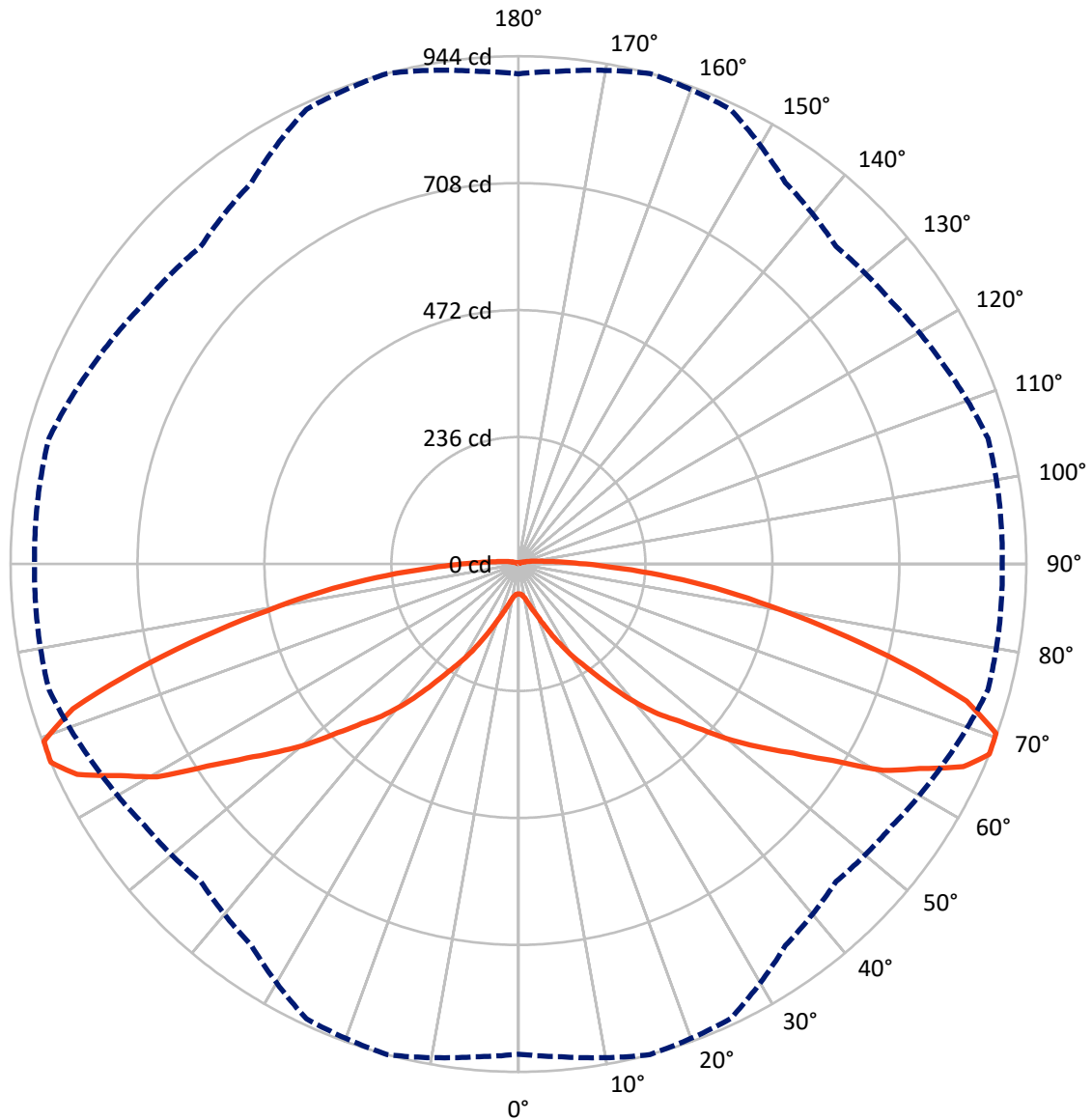


Based on 25 foot mounting height. Maximum calculated value = 0.3 fc
 Type V - Short - Non-Cutoff

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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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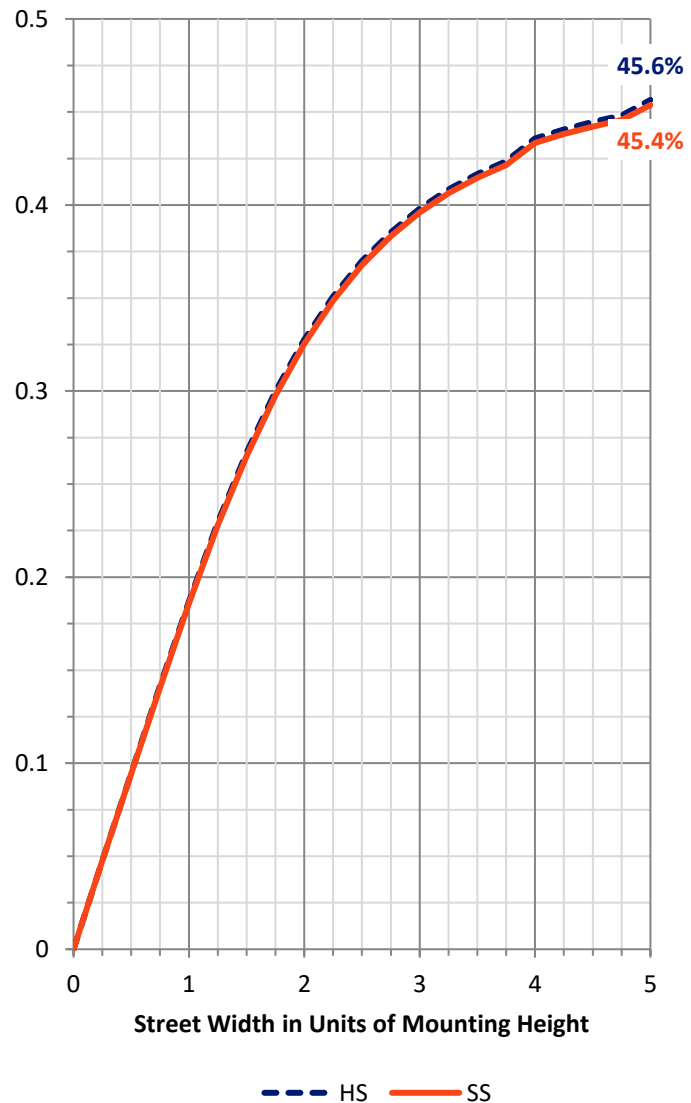
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1480.2	60.8	1541.0
	% Fixture	48.0	2.0	50.0
Street Side	Lumens	1480.2	60.8	1541.0
	% Fixture	48.0	2.0	50.0
Total	Lumens	2960.4	121.6	3082.0
	% Fixture	96.1	3.9	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.6	0.2
10°-20°	23.0	0.7
20°-30°	66.4	2.2
30°-40°	156.3	5.1
40°-50°	294.6	9.6
50°-60°	525.3	17.0
60°-70°	830.5	26.9
70°-80°	731.7	23.7
80°-90°	327.1	10.6
90°-100°	81.2	2.6
100°-110°	22.4	0.7
110°-120°	9.0	0.3
120°-130°	4.8	0.2
130°-140°	2.8	0.1
140°-150°	1.2	0.0
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2960.4	96.1
0°-180°	3082.0	100.0



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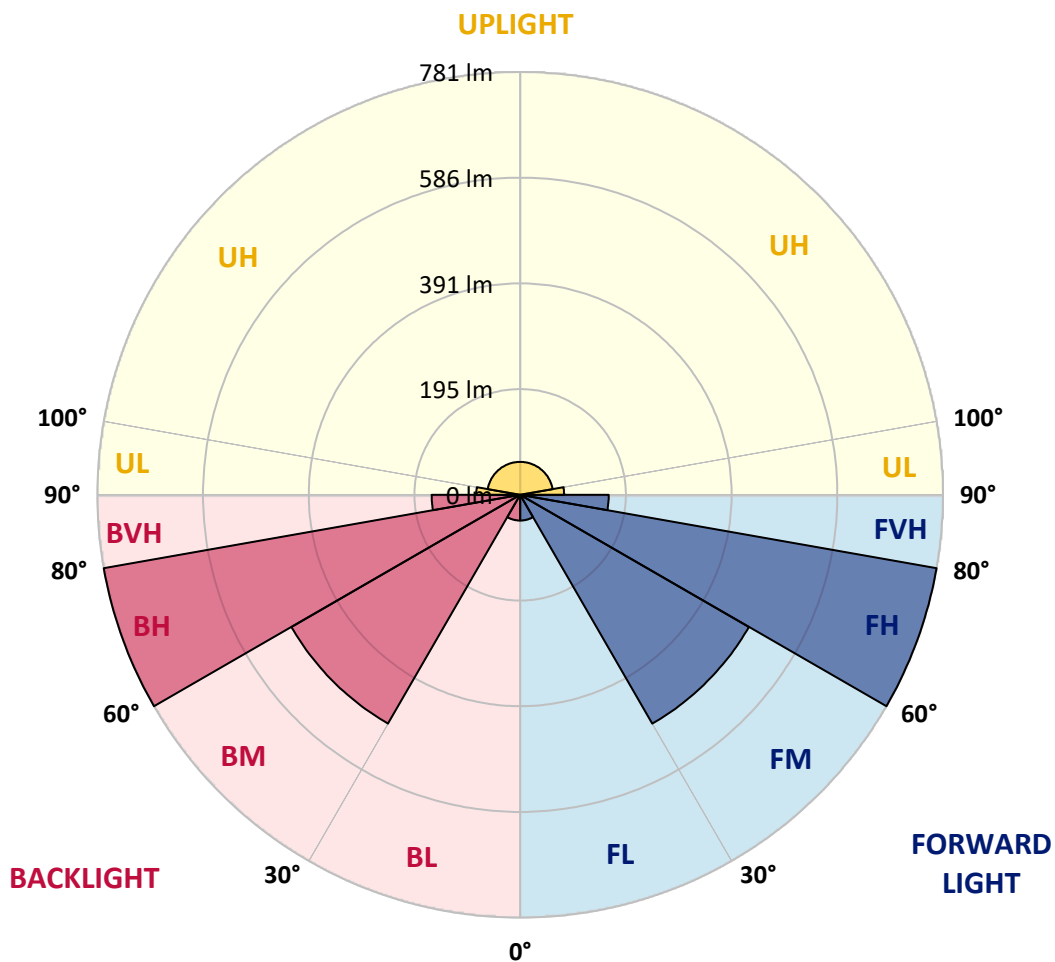
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	47.5	1.5			
FM (30°-60°)	488.1	15.8			
FH (60°-80°)	781.1	25.3			G1/1800
FVH (80°-90°)	163.5	5.3			G2/225
BL (0°-30°)	47.5	1.5	B0/110		
BM (30°-60°)	488.1	15.8	B1/1000		
BH (60°-80°)	781.1	25.3	B2/1000		G1/1800
BVH (80°-90°)	163.5	5.3			G2/225
UL (90°-100°)	81.2	2.6		U3/500	
UH (100°-180°)	60.8	2.0		U3/500	

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°	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
2.5°	55.4	55.4	55.8	55.8	56.1	56.4	56.1	55.8	55.4	55.1	55.1
5°	57.1	57.1	57.1	57.1	57.4	57.4	57.1	56.4	56.1	55.8	55.8
7.5°	59.8	59.8	59.8	59.8	59.8	59.5	58.8	58.1	57.8	57.4	57.4
10°	64.2	64.2	63.5	63.5	63.2	62.8	62.1	61.5	60.8	61.1	61.1
12.5°	71.6	71.9	70.9	69.2	67.9	67.2	66.8	66.8	67.9	67.9	68.2
15°	82.3	82.3	80.6	78.3	75.6	73.6	74.2	75.9	77.6	78.6	78.6
17.5°	94.1	94.1	92.4	89.4	85.7	84.7	84.3	86.0	89.7	91.0	91.4
20°	108.8	108.8	105.8	101.4	98.1	96.7	96.7	99.4	103.5	106.5	106.2
22.5°	129.0	128.7	124.3	116.9	112.5	110.5	110.2	113.9	120.9	125.6	127.0
25°	153.2	152.8	147.1	137.4	130.7	125.3	126.6	133.0	143.8	151.2	151.2
27.5°	180.7	179.4	172.0	161.2	151.2	144.1	146.1	155.2	168.6	178.7	179.0
30°	207.6	207.6	199.5	186.8	173.3	164.6	167.0	179.7	195.8	211.6	212.0
32.5°	236.2	235.8	225.7	213.0	196.5	186.8	190.5	206.3	229.1	247.2	250.6
35°	272.8	273.1	259.0	241.5	220.7	210.0	215.0	235.5	262.7	284.5	286.5
37.5°	312.1	314.1	298.6	276.1	248.2	235.1	242.5	266.4	298.0	320.8	320.8
40°	354.4	355.4	341.3	312.7	279.2	262.0	271.8	297.3	321.5	341.0	342.0
42.5°	390.3	391.4	380.3	352.4	314.8	294.3	300.0	319.5	342.3	364.1	366.2
45°	418.6	421.9	415.2	391.4	353.1	328.2	327.5	347.3	374.9	397.7	400.4
47.5°	469.6	471.3	459.5	431.3	392.4	365.2	362.5	382.3	418.2	442.8	444.4
50°	514.6	519.7	515.3	485.1	438.7	405.8	406.1	432.3	471.3	496.2	498.5
52.5°	565.4	567.7	566.4	540.5	495.5	456.5	460.9	490.5	532.4	547.9	550.6
55°	611.7	615.4	620.1	601.0	556.3	522.0	526.1	557.6	585.9	600.6	602.0
57.5°	685.3	689.0	688.6	660.4	622.1	588.9	595.6	620.5	657.4	682.6	687.0
60°	765.2	770.6	779.0	742.4	685.0	661.8	670.2	706.1	748.1	751.8	756.5
62.5°	818.7	821.3	837.1	825.0	758.2	730.3	752.5	783.0	804.9	808.2	806.9
65°	888.5	897.3	908.3	880.5	826.7	788.4	813.9	836.8	876.1	879.5	878.8
67.5°	910.7	919.1	943.6	932.2	865.0	834.4	847.5	872.7	903.0	900.3	898.9
70°	912.4	920.4	941.3	935.2	873.7	831.4	844.9	854.6	882.5	882.8	879.1
72.5°	821.0	835.1	870.7	881.5	827.7	784.4	785.4	785.1	787.1	764.9	756.2
75°	691.7	701.7	736.7	762.6	735.0	697.7	697.0	668.8	662.8	646.0	639.9
77.5°	553.9	566.4	600.0	628.2	618.4	598.3	587.9	556.0	547.2	528.1	530.4
80°	430.7	440.4	473.7	510.3	513.0	498.9	487.4	461.2	444.1	428.0	420.9
82.5°	331.6	340.0	368.5	408.2	424.6	422.9	406.8	377.2	361.8	346.3	337.3
85°	229.1	236.5	264.7	312.7	342.3	352.7	334.6	297.3	269.7	247.9	242.9
87.5°	147.8	151.2	173.7	215.3	259.7	284.2	265.0	218.4	183.8	166.3	160.6
90°	92.4	97.4	113.5	139.4	182.7	214.0	194.5	147.1	122.3	104.5	100.8
92.5°	64.2	63.5	74.6	92.7	124.6	150.2	133.4	97.4	77.3	65.5	63.2
95°	42.3	44.0	50.1	61.5	84.3	100.1	88.0	64.8	50.7	42.3	41.3
97.5°	31.6	31.9	36.6	43.7	57.4	65.8	58.5	45.0	35.9	30.6	30.2
100°	24.9	25.2	28.6	32.6	40.3	45.7	41.0	33.9	27.9	23.9	23.9
102.5°	19.5	19.8	22.2	25.5	30.6	33.9	31.2	26.2	21.8	18.8	18.5
105°	15.5	15.5	17.5	20.2	23.9	26.2	24.5	20.5	16.8	14.8	14.8
107.5°	12.1	12.4	13.8	15.8	19.1	21.5	19.5	15.8	13.1	11.4	11.4
110°	9.7	9.7	10.7	12.8	15.5	17.5	15.8	12.8	10.4	9.4	9.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	8.1	8.1	8.7	10.4	12.8	14.4	12.8	10.4	8.4	7.7	7.7
115°	6.7	6.7	7.4	8.4	10.7	11.8	10.7	8.4	7.1	6.4	6.4
117.5°	6.0	6.0	6.4	7.4	9.1	9.7	9.1	7.1	6.0	5.7	5.7
120°	5.4	5.4	5.7	6.4	7.7	8.4	7.7	6.4	5.4	5.0	5.0
122.5°	5.0	5.0	5.0	5.7	7.1	7.4	6.7	5.7	4.7	4.7	4.7
125°	4.7	4.7	4.7	5.0	6.0	6.4	6.0	5.0	4.4	4.4	4.4
127.5°	4.4	4.4	4.4	4.7	5.4	5.7	5.4	4.7	4.0	4.0	4.0
130°	4.4	4.4	4.0	4.4	4.7	5.0	4.7	4.4	4.0	3.7	4.0
132.5°	4.0	4.0	4.0	4.0	4.4	4.4	4.4	4.0	3.7	3.7	3.7
135°	3.7	3.7	3.4	3.4	3.7	4.0	3.7	3.4	3.4	3.4	3.4
137.5°	3.4	3.0	3.0	3.0	3.4	3.4	3.4	3.0	3.0	3.0	3.0
140°	2.7	2.7	2.7	2.7	2.7	3.0	2.7	2.4	2.4	2.7	2.7
142.5°	2.4	2.4	2.4	2.0	2.4	2.4	2.4	2.0	2.0	2.0	2.0
145°	2.0	2.0	2.0	1.7	2.0	2.0	2.0	1.7	1.7	1.7	1.7
147.5°	1.3	1.7	1.3	1.3	1.7	1.7	1.3	1.3	1.3	1.3	1.3
150°	1.0	1.0	1.0	1.0	1.3	1.3	1.0	1.0	1.0	1.0	1.0
152.5°	0.7	0.7	1.0	1.0	1.0	1.0	1.0	1.0	0.7	0.7	0.7
155°	0.7	0.7	0.7	0.7	1.0	1.0	0.7	0.7	0.7	0.3	0.3
157.5°	0.3	0.3	0.3	0.3	0.7	1.0	0.7	0.3	0.3	0.3	0.3
160°	0.0	0.0	0.0	0.3	0.7	1.0	0.7	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)