

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: P254517

Luminaire Tested: **LXF.LXT-AF24-20-D-U-5WQ-CL-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P254517
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-23)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-AF24-20-D-U-5WQ-CL-7030
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS
AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2372 lumens
Efficiency: N/A
Efficacy: 113.0 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B2 - U2 - G1

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

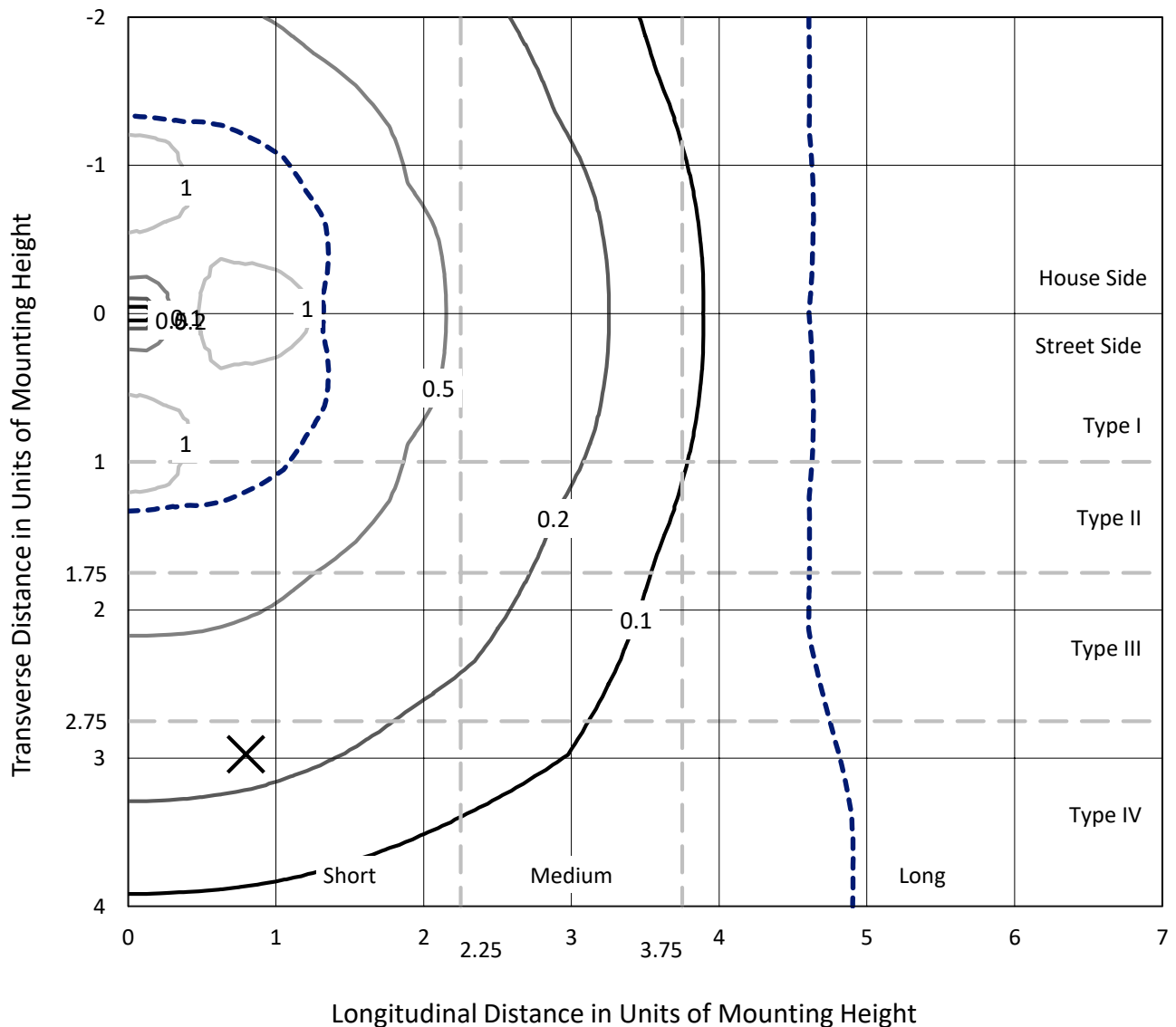


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

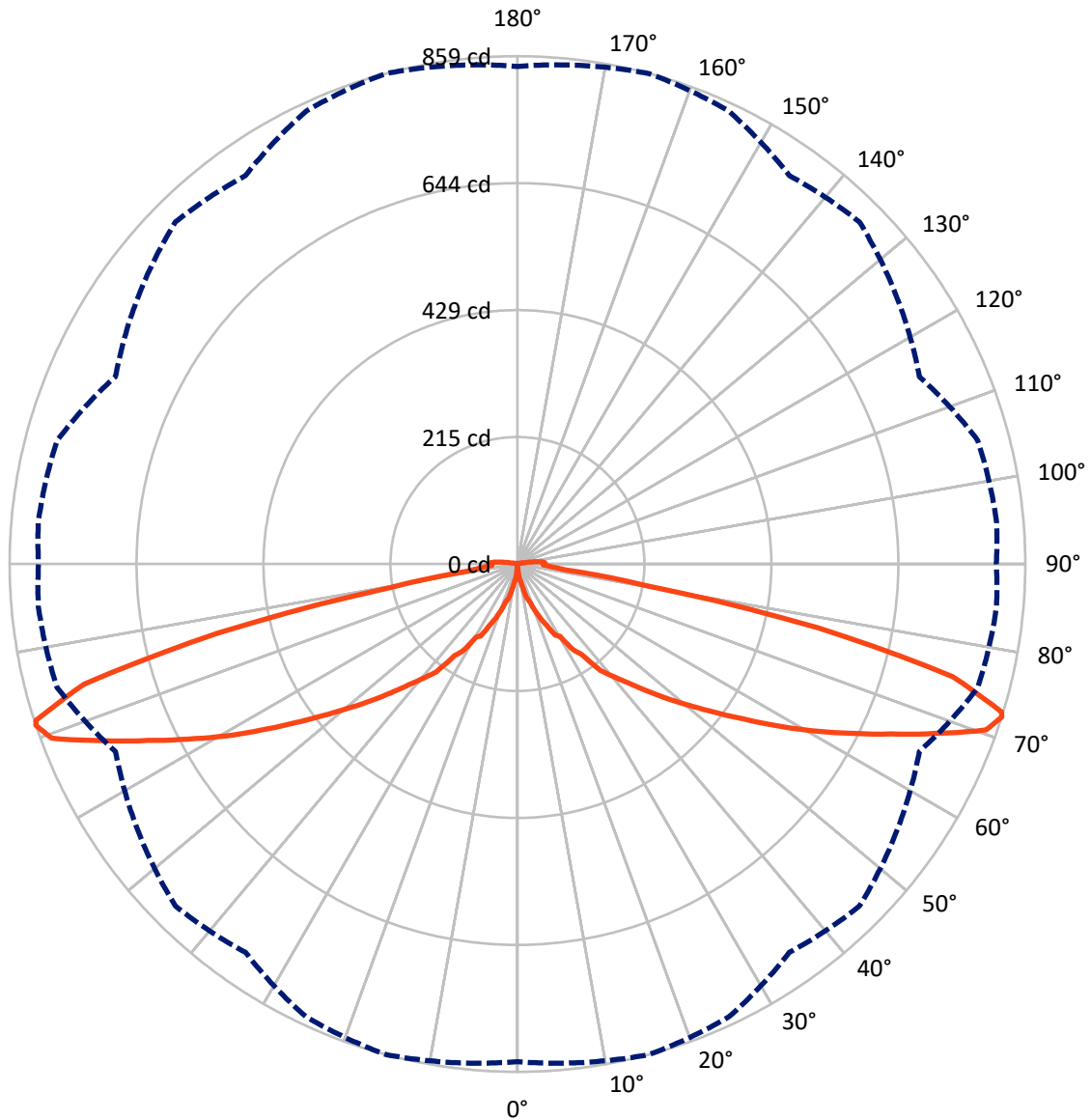


Based on 10 foot mounting height. Maximum calculated value = 1.3 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 15-Deg Lateral - - - Horizontal Cone Through 72-Deg Vertical

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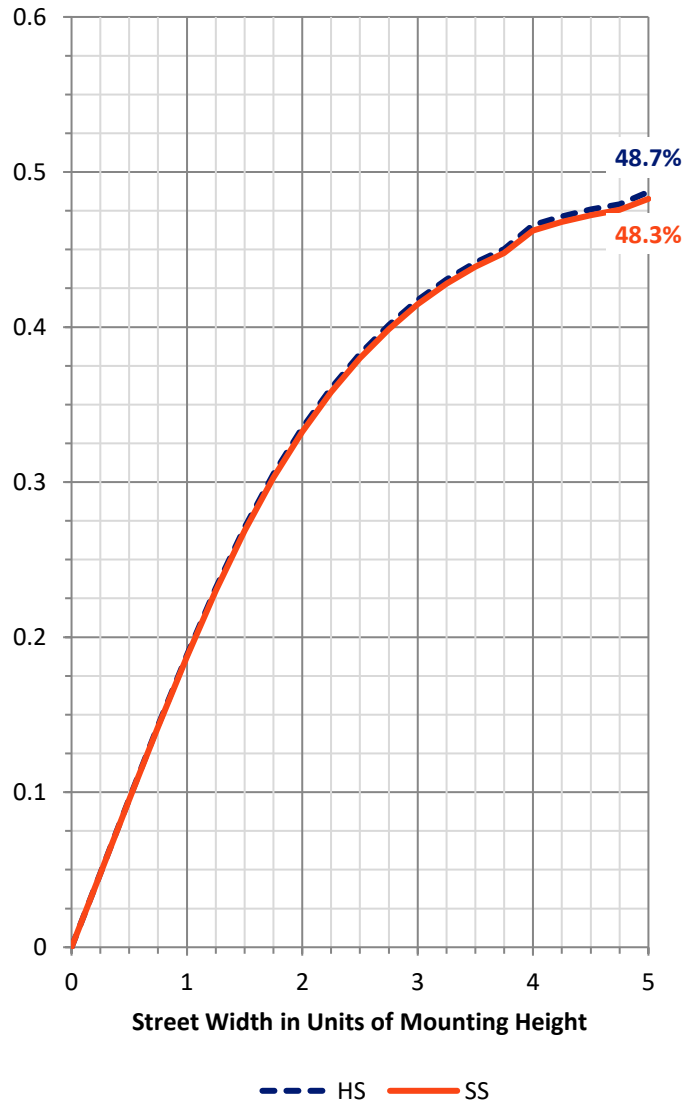
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1159.3	26.7	1186.0
	% Fixture	48.9	1.1	50.0
Street Side	Lumens	1159.3	26.7	1186.0
	% Fixture	48.9	1.1	50.0
Total	Lumens	2318.5	53.4	2372.0
	% Fixture	97.7	2.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.0	0.0
10°-20°	14.3	0.6
20°-30°	53.7	2.3
30°-40°	121.4	5.1
40°-50°	220.5	9.3
50°-60°	395.4	16.7
60°-70°	668.3	28.2
70°-80°	718.0	30.3
80°-90°	125.9	5.3
90°-100°	43.8	1.8
100°-110°	5.8	0.2
110°-120°	1.6	0.1
120°-130°	1.0	0.0
130°-140°	0.6	0.0
140°-150°	0.5	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2318.5	97.7
0°-180°	2372.0	100.0



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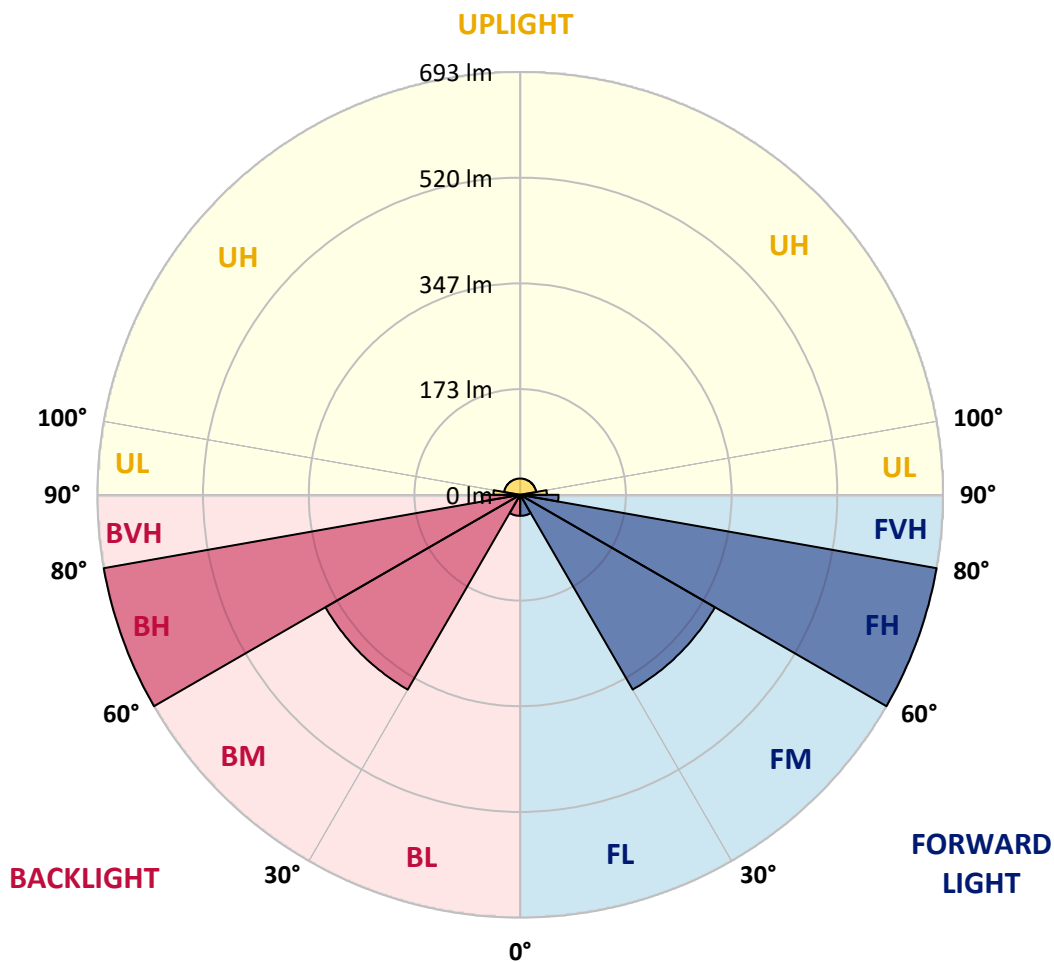
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	34.5	1.5			
FM (30°-60°)	368.7	15.5			
FH (60°-80°)	693.2	29.2			G1/1800
FVH (80°-90°)	62.9	2.7			G1/100
BL (0°-30°)	34.5	1.5	B0/110		
BM (30°-60°)	368.7	15.5	B1/1000		
BH (60°-80°)	693.2	29.2	B2/1000		G1/1800
BVH (80°-90°)	62.9	2.7			G1/100
UL (90°-100°)	43.8	1.8		U2/50	
UH (100°-180°)	26.7	1.1		U2/50	

BUG Rating: B2-U2-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
2.5°	2.1	2.1	2.1	1.8	1.8	1.8	1.8	1.6	1.8	1.8	1.8
5°	12.0	12.6	11.3	10.9	5.0	4.1	2.4	1.8	1.8	1.8	1.8
7.5°	27.0	27.0	26.1	23.5	17.4	14.4	7.9	2.9	2.1	1.8	1.8
10°	30.9	30.4	29.1	29.1	28.0	25.6	15.2	7.2	3.2	2.9	2.9
12.5°	47.0	47.0	42.9	39.6	31.2	28.3	24.0	17.1	17.6	28.3	32.3
15°	62.8	62.8	60.3	56.0	44.6	33.1	43.2	50.7	42.9	46.2	46.4
17.5°	69.7	69.4	66.2	62.5	57.7	63.5	60.1	58.2	50.7	51.1	52.0
20°	96.5	95.6	83.6	76.6	67.3	81.4	71.6	66.9	85.7	92.1	94.2
22.5°	103.2	102.4	99.3	92.9	97.1	87.3	88.1	96.9	98.5	101.7	102.4
25°	122.3	122.0	114.5	103.0	111.9	99.9	113.4	103.6	110.0	128.2	135.1
27.5°	139.7	139.1	136.3	123.4	118.0	129.5	121.0	134.5	148.7	152.6	155.9
30°	156.3	155.5	142.0	143.9	131.5	137.2	147.3	149.6	155.0	165.5	166.0
32.5°	183.3	181.5	172.4	160.2	156.7	146.9	158.3	158.8	195.9	215.1	219.6
35°	210.4	208.4	188.2	182.6	170.6	174.3	169.5	193.7	209.0	227.2	230.3
37.5°	245.5	243.6	228.5	202.0	190.3	184.9	197.2	207.1	220.1	244.5	244.2
40°	264.7	264.0	250.1	229.2	209.6	203.3	209.8	218.6	238.8	260.8	263.2
42.5°	287.7	285.8	274.9	250.6	234.1	224.7	223.4	240.7	262.3	285.6	286.2
45°	315.4	312.8	305.1	273.0	256.8	249.3	249.0	267.1	292.3	315.4	318.2
47.5°	346.7	344.2	339.2	301.9	286.2	276.5	282.7	294.1	319.7	347.5	350.4
50°	380.3	379.0	374.8	338.9	325.9	310.4	317.3	324.5	355.2	382.0	382.7
52.5°	416.4	417.2	415.3	380.6	366.1	355.0	362.7	361.3	391.2	422.2	421.4
55°	461.5	461.5	462.2	434.0	419.8	400.3	413.6	410.5	437.7	465.2	464.4
57.5°	512.2	512.4	514.8	492.4	480.4	464.4	473.2	467.1	484.4	508.4	506.0
60°	563.1	565.3	572.7	563.1	547.7	534.1	546.3	515.6	536.7	558.9	555.4
62.5°	615.6	619.0	630.1	628.2	611.8	605.9	616.0	575.9	603.9	609.0	605.7
65°	676.6	677.4	693.1	693.9	669.1	680.5	677.1	632.5	672.1	667.5	666.9
67.5°	744.0	749.7	764.2	757.5	724.4	734.0	728.3	685.9	727.2	725.9	723.6
70°	826.9	829.3	840.7	816.1	768.6	781.7	766.0	730.2	787.1	796.7	794.4
72°	841.3	847.1	858.6	845.0	801.5	817.8	783.8	749.7	805.8	813.2	809.7
72.5°	837.5	842.3	855.6	844.1	805.5	823.0	786.0	749.2	801.0	808.7	804.3
75°	730.0	729.5	760.1	781.4	795.3	847.5	775.6	707.6	714.4	713.1	706.5
77.5°	464.7	479.1	520.2	590.3	693.7	788.5	687.2	566.8	507.9	473.4	458.8
80°	162.0	173.1	217.5	311.5	483.9	601.6	481.5	312.8	208.1	161.7	159.6
82.5°	64.4	73.6	81.2	107.5	226.6	352.1	225.0	116.4	93.4	84.3	81.6
85°	51.1	52.3	57.7	61.4	82.2	113.7	99.9	70.5	65.7	59.0	57.7
87.5°	44.8	45.9	43.2	44.2	57.4	63.8	62.8	45.4	40.5	44.6	42.9
90°	47.0	47.5	43.4	44.0	58.2	65.3	60.6	42.7	42.2	46.7	45.2
92.5°	50.1	51.1	46.7	47.0	60.1	67.7	60.8	42.4	45.9	50.1	48.6
95°	41.1	42.2	39.3	40.3	52.3	60.6	54.2	37.9	40.9	48.8	47.2
97.5°	24.2	25.3	25.1	32.0	34.4	37.9	35.2	26.1	25.1	27.6	25.9
100°	4.3	5.4	11.3	21.1	19.4	16.5	18.1	16.3	10.7	5.6	4.1
102.5°	4.1	4.3	8.3	11.5	8.3	5.9	7.9	9.7	6.1	3.8	3.8
105°	4.1	4.3	4.6	4.8	2.6	2.4	3.5	5.6	3.8	3.8	3.8
107.5°	3.8	3.8	2.4	2.1	2.1	2.4	2.1	2.4	2.6	3.5	3.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	3.2	3.2	2.1	1.8	1.8	2.1	1.8	2.1	2.1	2.6	2.6
112.5°	2.4	2.4	1.6	1.6	1.6	1.8	1.6	1.6	1.8	2.1	2.1
115°	2.4	2.4	1.6	1.3	1.3	1.6	1.3	1.3	1.6	2.1	2.1
117.5°	2.1	2.1	1.3	1.1	1.1	1.1	1.1	1.1	1.6	2.1	2.1
120°	2.1	2.1	1.3	1.1	1.1	0.8	1.1	1.1	1.3	2.1	2.1
122.5°	2.1	2.1	1.3	0.8	0.8	0.8	0.8	1.1	1.3	1.8	2.1
125°	2.1	1.8	1.3	0.8	0.8	0.8	0.8	0.8	1.3	1.8	1.8
127.5°	1.8	1.8	1.3	0.8	0.8	0.5	0.5	0.8	1.1	1.6	1.8
130°	1.8	1.8	1.3	0.8	0.8	0.5	0.5	0.5	1.1	1.6	1.6
132.5°	1.6	1.6	1.1	0.5	0.5	0.5	0.5	0.5	0.8	1.3	1.3
135°	1.3	1.3	1.1	0.5	0.5	0.5	0.5	0.5	0.5	1.1	1.1
137.5°	1.3	1.3	1.1	0.8	0.5	0.5	0.5	0.5	0.5	0.8	0.8
140°	1.3	1.3	1.1	0.8	0.5	0.5	0.5	0.5	0.8	0.8	0.8
142.5°	1.3	1.3	1.1	0.8	0.5	0.5	0.5	0.5	0.8	0.8	0.8
145°	1.3	1.3	1.1	0.8	0.5	0.5	0.5	0.8	0.8	1.1	1.1
147.5°	1.3	1.3	1.1	0.8	0.5	0.2	0.5	0.8	1.1	1.1	1.1
150°	1.3	1.3	1.1	0.5	0.2	0.0	0.2	0.5	0.8	1.1	1.1
152.5°	1.1	1.1	0.8	0.2	0.2	0.0	0.0	0.2	0.8	0.8	0.8
155°	0.5	0.5	0.2	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5
157.5°	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2
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)