

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: P414140

Luminaire Tested: **LXF.LXT-PA1-20-727-U-5WQ-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414140
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-21)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-20-727-U-5WQ-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS
AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2303 lumens
Efficiency: N/A
Efficacy: 109.7 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 - U2 - G2

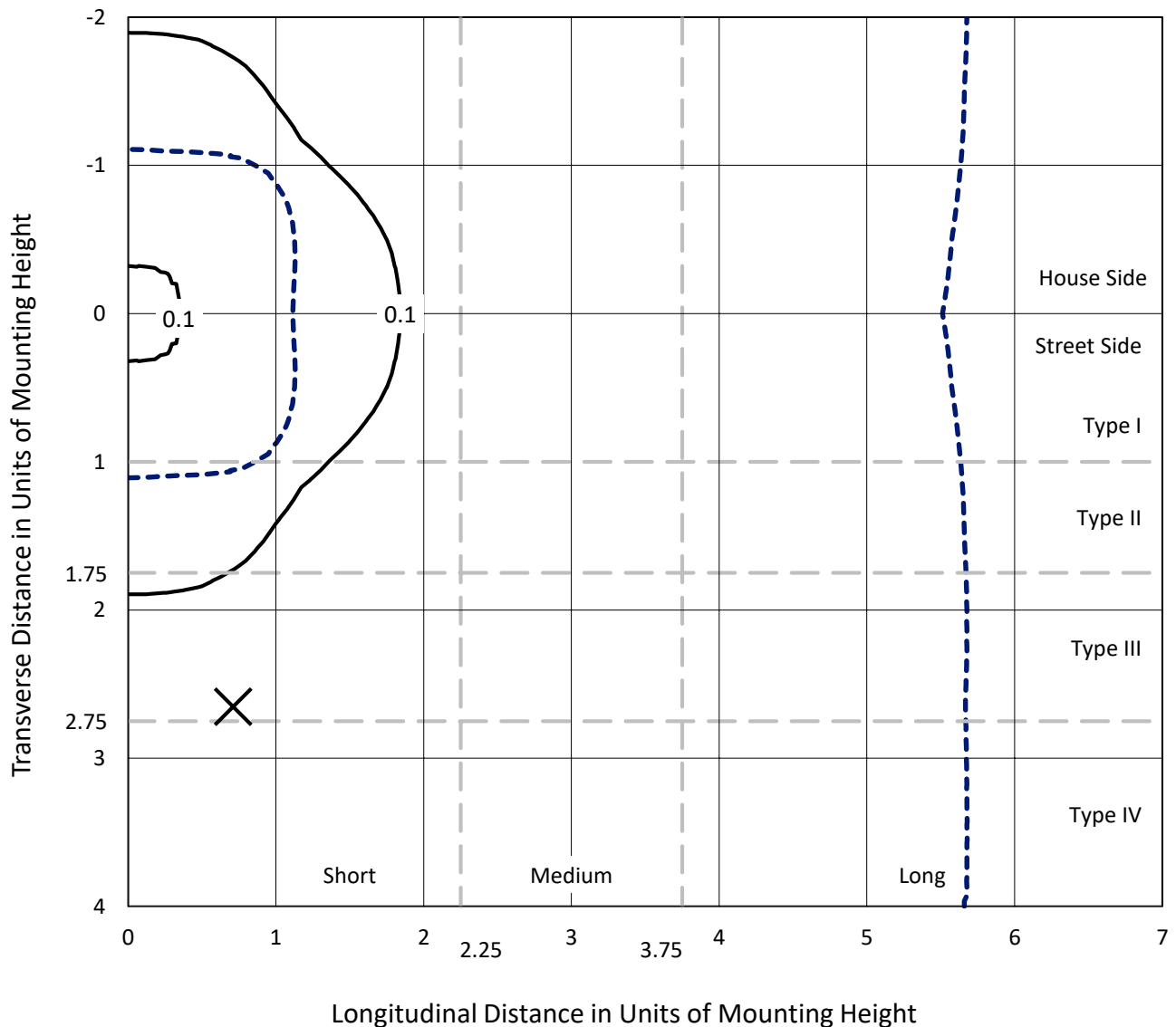
Input Watts (W): 21
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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 CATALOG NUMBER: LXF.LXT-PA1-20-727-U-5WQ-TL

Iso-Footcandle Lines of Horizontal Illumination

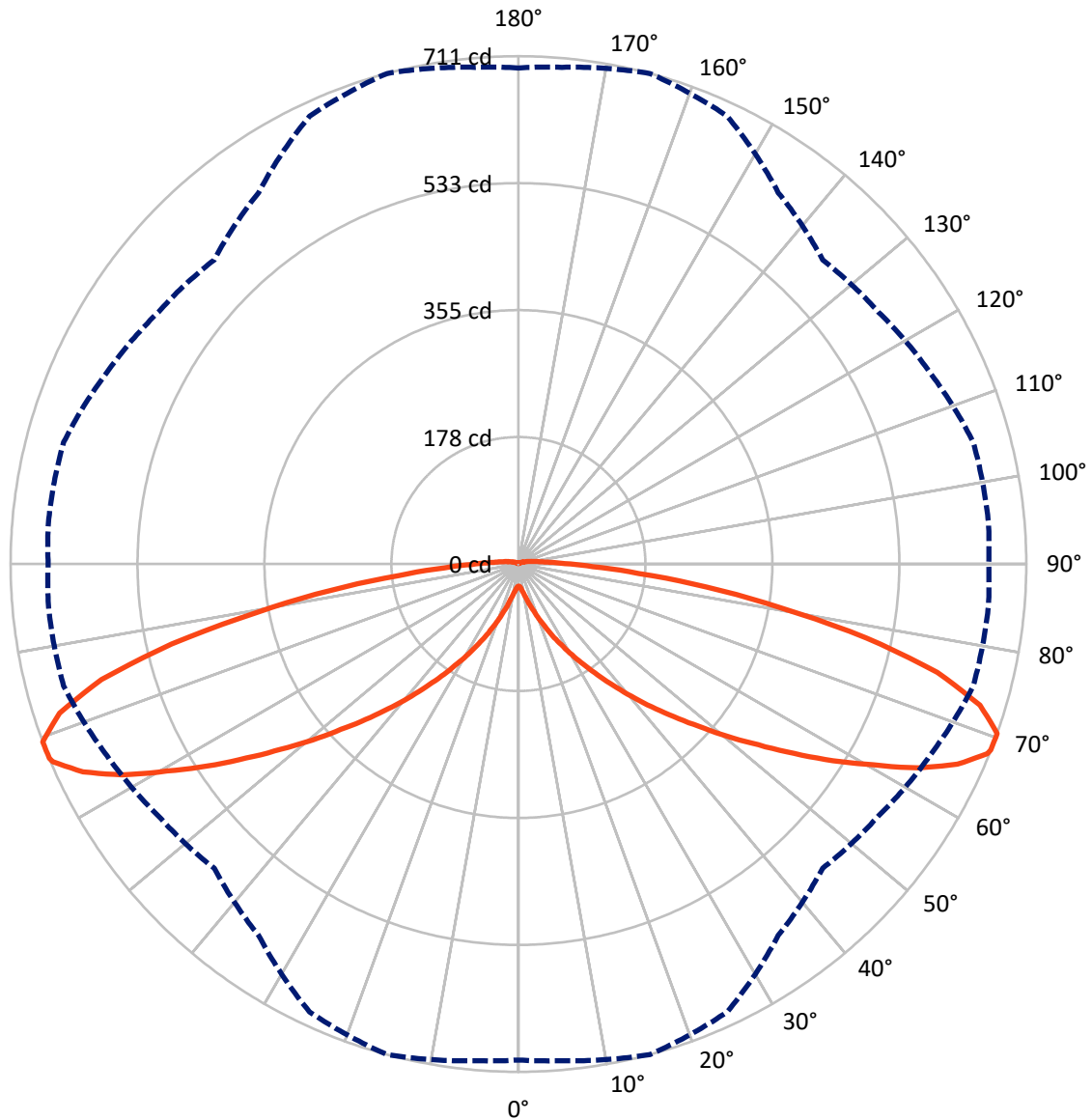
× Max cd
 - - - 1/2 Max cd



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 70-Deg Vertical

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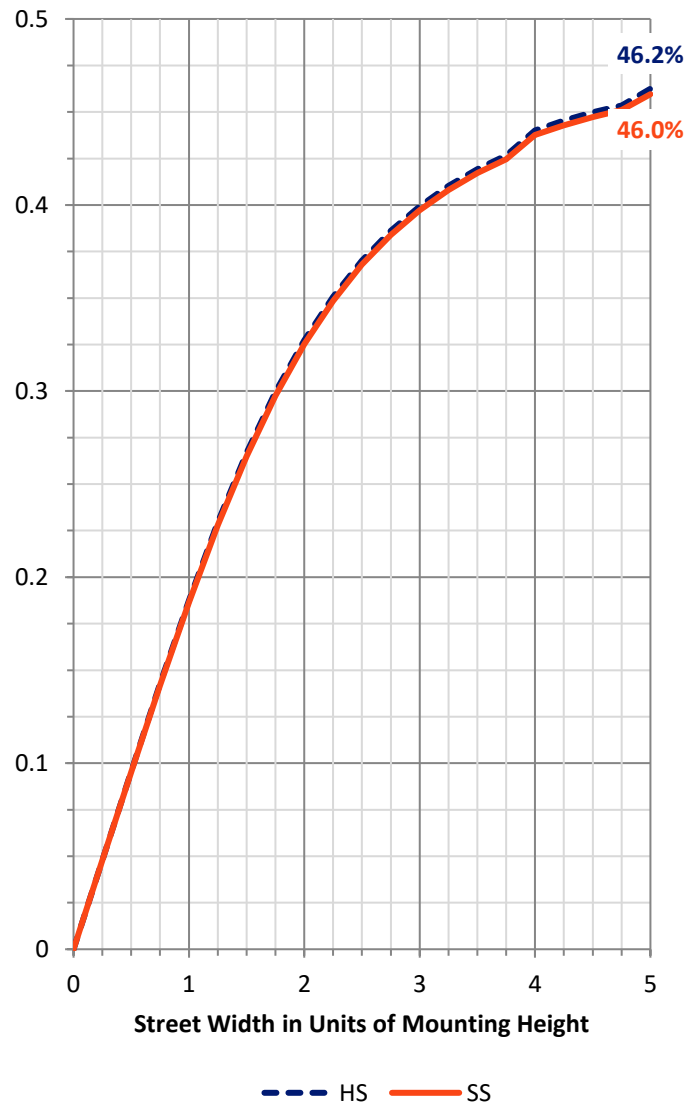
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1110.9	40.6	1151.5
	% Fixture	48.2	1.8	50.0
Street Side	Lumens	1110.9	40.6	1151.5
	% Fixture	48.2	1.8	50.0
Total	Lumens	2221.9	81.1	2303.0
	% Fixture	96.5	3.5	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.4	0.1
10°-20°	16.6	0.7
20°-30°	50.0	2.2
30°-40°	115.0	5.0
40°-50°	221.1	9.6
50°-60°	391.0	17.0
60°-70°	605.9	26.3
70°-80°	588.1	25.5
80°-90°	230.7	10.0
90°-100°	49.6	2.2
100°-110°	17.0	0.7
110°-120°	7.5	0.3
120°-130°	3.8	0.2
130°-140°	2.0	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°	2221.9	96.5
0°-180°	2303.0	100.0



REPORT NUMBER: P414140

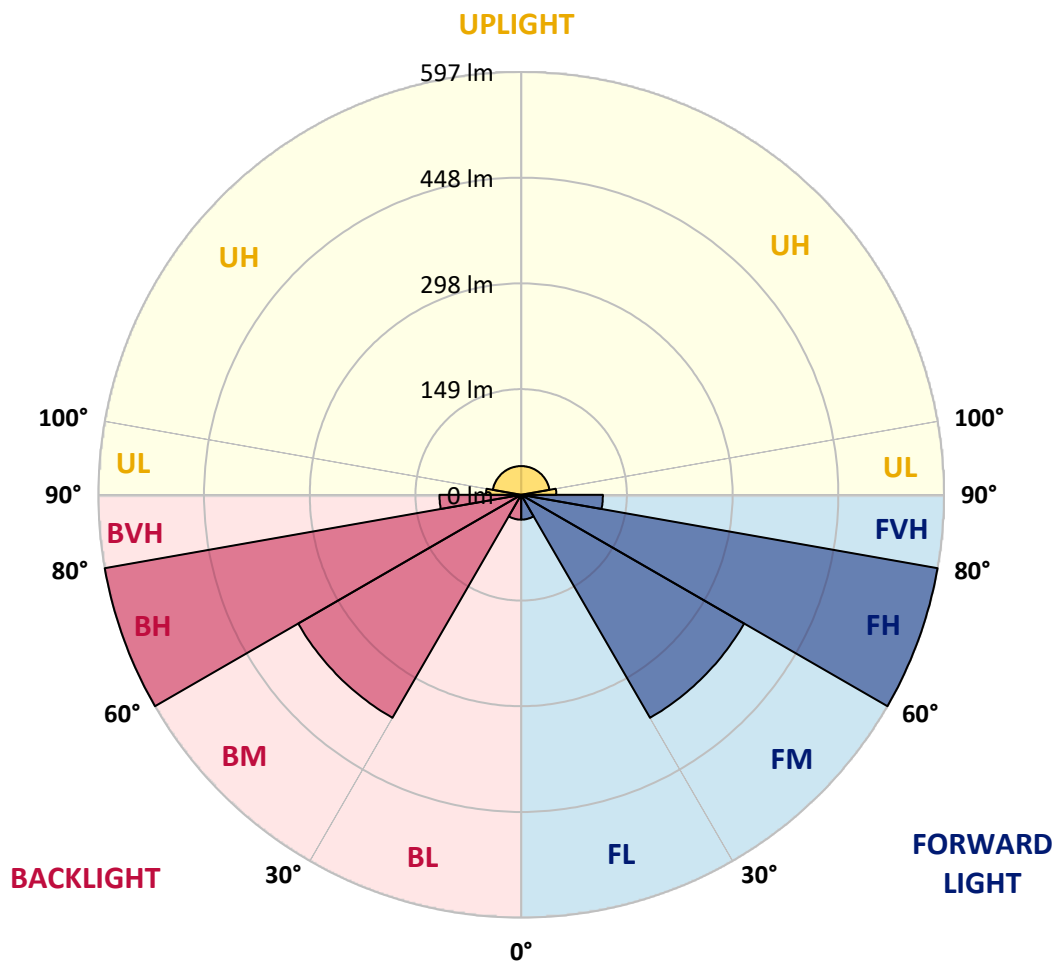
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	35.1	1.5			
FM	(30°-60°)	363.6	15.8			
FH	(60°-80°)	597.0	25.9			G0/660
FVH	(80°-90°)	115.3	5.0			G2/225
BL	(0°-30°)	35.1	1.5	B0/110		
BM	(30°-60°)	363.6	15.8	B1/1000		
BH	(60°-80°)	597.0	25.9	B2/1000		G0/660
BVH	(80°-90°)	115.3	5.0			G2/225
UL	(90°-100°)	49.6	2.2		U2/50	
UH	(100°-180°)	40.6	1.8		U2/50	

BUG Rating: B2-U2-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0
2.5°	31.5	31.5	31.5	31.8	31.8	32.0	31.8	31.5	31.5	31.3	31.3
5°	33.8	33.8	33.8	33.8	34.0	34.0	33.5	33.3	33.0	33.0	33.0
7.5°	37.3	37.3	37.6	37.3	37.3	37.1	36.6	36.0	36.0	35.8	35.8
10°	42.9	42.4	42.4	42.1	41.8	41.3	40.8	40.6	40.1	40.1	39.6
12.5°	50.4	50.2	49.4	48.7	47.6	46.9	46.4	46.1	46.1	46.1	46.6
15°	59.2	59.5	59.0	57.2	55.2	53.7	53.4	53.4	53.9	54.5	54.5
17.5°	70.8	70.3	69.1	67.1	64.5	63.0	62.0	62.8	64.0	64.8	65.3
20°	83.4	83.2	81.4	78.1	75.4	73.4	72.6	73.6	75.9	77.9	77.6
22.5°	98.1	97.8	95.0	90.8	87.0	84.7	83.9	86.0	90.8	93.3	93.8
25°	114.7	113.9	111.4	105.6	100.3	96.8	97.3	100.8	107.1	112.2	111.9
27.5°	133.6	132.6	127.8	121.3	114.2	110.7	111.7	117.5	126.0	131.8	132.6
30°	154.3	152.8	147.7	138.1	130.1	125.0	127.6	135.6	146.5	154.8	155.8
32.5°	174.2	176.0	167.4	157.8	146.7	140.2	143.4	154.5	167.9	179.5	180.5
35°	199.4	197.9	190.6	178.0	164.4	157.6	161.8	175.5	190.6	204.2	204.7
37.5°	226.4	224.9	215.3	199.9	184.0	176.0	181.5	196.1	215.5	229.2	232.2
40°	255.4	252.3	243.5	224.6	205.2	196.9	202.2	220.6	241.5	256.4	258.4
42.5°	283.9	282.1	273.0	251.3	229.2	218.6	226.4	244.5	268.7	283.3	285.9
45°	314.9	314.6	304.8	281.1	256.1	244.3	252.3	272.5	295.7	312.6	314.1
47.5°	347.6	347.9	339.3	315.6	285.4	272.0	279.8	302.5	329.7	344.9	346.4
50°	386.5	384.9	379.1	351.4	319.7	304.5	314.6	338.3	363.5	379.6	381.2
52.5°	427.3	427.3	420.5	395.0	358.0	342.3	350.9	375.1	403.3	418.0	421.0
55°	472.7	470.7	467.9	440.1	402.3	384.2	392.8	420.2	446.2	458.8	459.1
57.5°	521.8	519.8	519.3	494.3	451.2	427.5	437.4	463.3	492.8	501.2	503.7
60°	569.5	573.0	571.0	549.1	500.4	473.7	484.8	512.0	540.5	548.0	550.6
62.5°	621.4	623.2	628.7	602.0	549.6	521.1	532.2	556.4	585.4	591.7	592.7
65°	666.3	668.0	675.4	650.1	590.6	560.6	573.3	598.7	627.7	633.3	630.0
67.5°	693.0	697.0	708.1	684.2	622.9	589.9	602.7	626.7	651.9	656.9	652.7
68°	697.0	700.3	710.6	689.0	626.9	593.4	607.0	630.7	656.4	660.5	657.2
70°	694.3	698.0	710.9	691.7	634.3	602.2	615.1	635.3	659.0	660.5	658.2
72.5°	655.9	662.7	675.4	668.5	621.9	592.9	603.8	616.1	632.5	632.2	629.5
75°	582.6	579.6	605.5	608.8	578.0	561.4	566.7	567.0	570.2	565.7	556.6
77.5°	465.9	472.9	498.1	520.1	509.7	503.2	504.2	489.3	482.8	463.3	457.3
80°	339.8	345.4	372.3	405.6	420.5	428.0	419.5	391.5	368.6	348.6	341.8
82.5°	231.9	233.9	265.7	297.7	327.5	336.5	329.0	290.9	259.1	238.0	228.6
85°	142.7	146.0	168.6	200.4	235.5	256.1	238.5	200.4	168.4	151.8	148.0
87.5°	83.9	89.0	104.1	128.1	161.6	179.2	165.4	132.3	106.6	94.5	90.0
90°	52.4	55.5	65.0	82.4	108.4	121.3	111.9	86.0	68.8	58.5	55.2
92.5°	36.6	37.6	44.1	55.2	73.9	82.7	74.9	59.0	47.1	39.3	38.1
95°	27.2	28.0	32.0	39.1	50.9	57.7	52.4	41.6	33.5	28.2	27.5
97.5°	21.4	21.9	25.2	29.7	37.3	42.1	38.8	31.8	26.0	21.7	20.9
100°	16.6	17.1	20.2	23.7	29.2	31.8	29.7	25.0	20.4	16.6	16.1
102.5°	13.1	13.4	16.1	19.4	23.4	25.2	23.7	20.2	16.1	12.9	12.6
105°	10.3	10.6	13.1	16.1	19.4	20.7	19.7	16.6	12.9	9.8	9.6
107.5°	8.1	8.3	10.3	13.4	16.1	17.1	16.1	13.6	10.1	7.8	7.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	6.6	6.6	8.6	11.1	13.6	14.4	13.6	11.1	8.1	6.3	6.1
112.5°	5.5	5.5	7.1	9.3	11.3	12.4	11.3	9.1	6.6	5.0	5.0
115°	4.5	4.8	5.8	7.8	9.6	10.3	9.6	7.6	5.5	4.3	4.3
117.5°	4.0	4.3	5.0	6.6	8.3	8.8	8.1	6.3	4.5	3.8	3.8
120°	3.8	3.8	4.3	5.5	7.1	7.6	6.8	5.5	4.0	3.5	3.5
122.5°	3.5	3.5	3.8	4.8	6.1	6.6	5.8	4.5	3.5	3.3	3.0
125°	3.3	3.3	3.5	4.3	5.3	5.5	5.0	4.0	3.0	2.8	2.8
127.5°	3.0	3.0	3.3	3.8	4.5	4.8	4.5	3.5	2.8	2.8	2.8
130°	2.8	2.8	3.0	3.3	4.0	4.3	3.8	3.0	2.5	2.5	2.5
132.5°	2.5	2.5	2.5	3.0	3.5	3.5	3.3	2.8	2.5	2.3	2.3
135°	2.5	2.5	2.5	2.5	3.0	3.3	2.8	2.5	2.3	2.3	2.3
137.5°	2.3	2.3	2.3	2.3	2.5	2.8	2.5	2.3	2.0	2.0	2.0
140°	2.0	2.0	2.0	2.0	2.3	2.3	2.3	1.8	1.8	1.8	1.8
142.5°	1.8	1.8	1.8	1.8	1.8	2.0	1.8	1.5	1.5	1.5	1.5
145°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
147.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
150°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
152.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
155°	0.5	0.5	0.5	0.5	0.8	0.5	0.8	0.5	0.5	0.5	0.5
157.5°	0.3	0.3	0.5	0.5	0.5	0.8	0.5	0.5	0.3	0.3	0.3
160°	0.0	0.3	0.3	0.3	0.5	0.5	0.5	0.3	0.3	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)