

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: P255057

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P255057
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-33)
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-TL-7030
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 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: 2379.6 lumens
Efficiency: N/A
Efficacy: 113.3 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

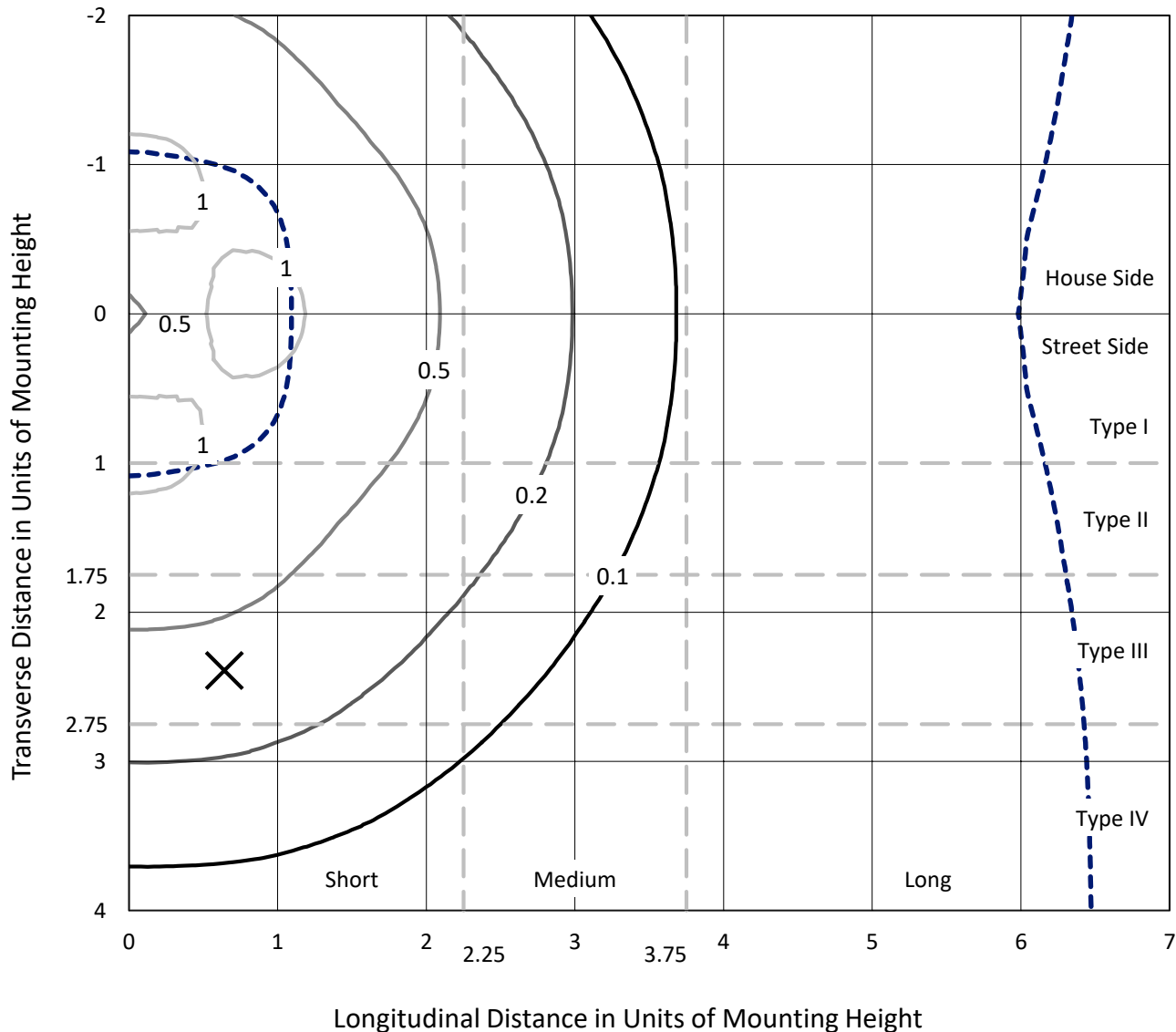


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

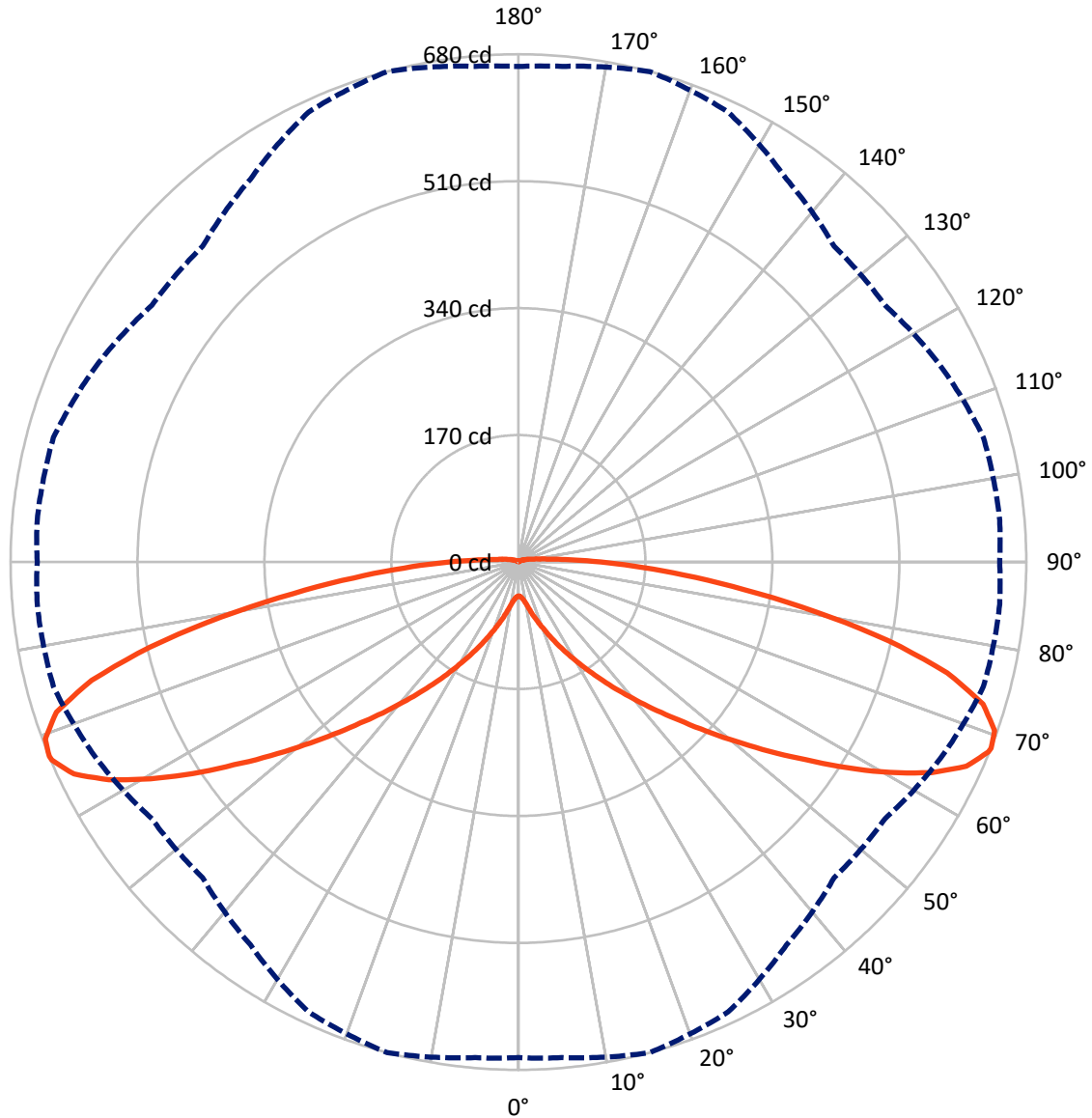


Based on 10 foot mounting height. Maximum calculated value = 1.1 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 15-Deg Lateral - - - Horizontal Cone Through 68-Deg Vertical

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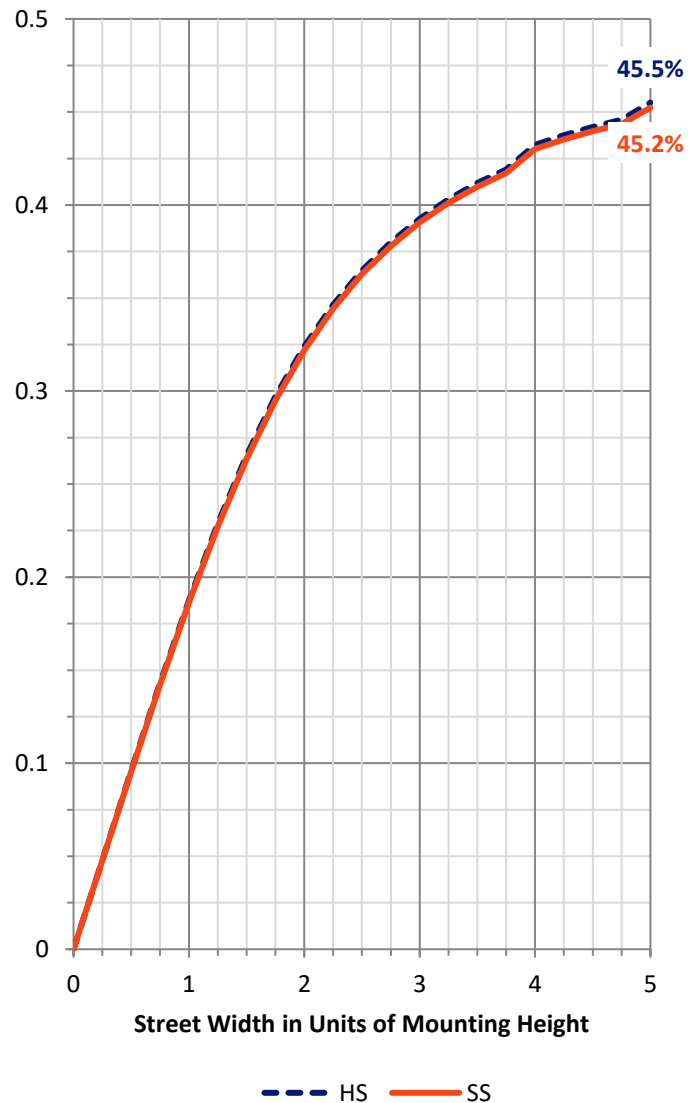
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1142.2	47.6	1189.8
	% Fixture	48.0	2.0	50.0
Street Side	Lumens	1142.2	47.6	1189.8
	% Fixture	48.0	2.0	50.0
Total	Lumens	2284.4	95.2	2379.6
	% Fixture	96.0	4.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.9	0.2
10°-20°	21.7	0.9
20°-30°	57.3	2.4
30°-40°	120.4	5.1
40°-50°	226.0	9.5
50°-60°	399.3	16.8
60°-70°	602.2	25.3
70°-80°	583.7	24.5
80°-90°	269.0	11.3
90°-100°	64.0	2.7
100°-110°	17.9	0.8
110°-120°	7.5	0.3
120°-130°	3.4	0.1
130°-140°	1.6	0.1
140°-150°	0.7	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2284.4	96.0
0°-180°	2379.6	100.0



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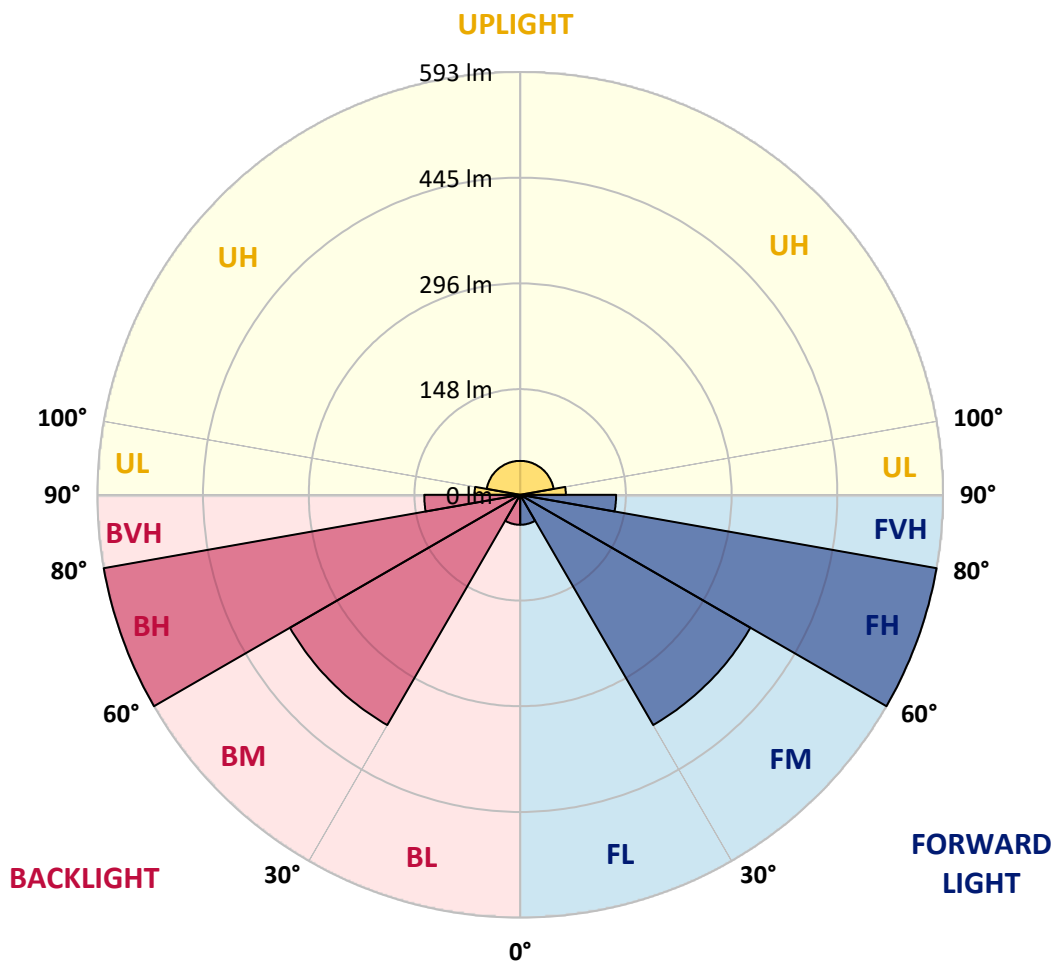
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	42.0	1.8			
FM (30°-60°)	372.8	15.7			
FH (60°-80°)	592.9	24.9			G0/660
FVH (80°-90°)	134.5	5.7			G2/225
BL (0°-30°)	42.0	1.8	B0/110		
BM (30°-60°)	372.8	15.7	B1/1000		
BH (60°-80°)	592.9	24.9	B2/1000		G0/660
BVH (80°-90°)	134.5	5.7			G2/225
UL (90°-100°)	64.0	2.7		U3/500	
UH (100°-180°)	47.6	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°	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4
2.5°	46.2	46.2	46.2	46.2	46.2	46.4	46.2	46.2	46.2	46.2	46.2
5°	48.1	48.1	48.1	48.3	48.3	48.3	48.3	48.3	48.3	48.6	48.3
7.5°	51.5	51.5	51.5	51.5	51.5	51.5	51.8	52.0	52.0	52.3	52.3
10°	56.9	56.9	56.6	56.6	56.6	56.9	56.9	57.4	57.7	58.5	58.1
12.5°	65.1	65.1	64.6	64.0	63.8	63.5	64.0	65.1	65.9	67.3	66.9
15°	74.4	74.4	74.0	73.1	72.8	72.5	72.8	74.2	75.5	76.8	76.6
17.5°	84.9	84.5	84.0	83.0	83.0	82.7	82.7	84.0	85.7	87.5	87.5
20°	96.3	95.8	95.0	93.6	93.6	93.4	93.6	94.7	97.1	99.3	99.3
22.5°	109.4	108.9	107.8	106.5	105.7	105.1	105.4	107.1	110.0	112.9	113.2
25°	124.1	123.4	122.3	120.6	118.5	117.5	118.0	120.6	124.3	128.1	127.3
27.5°	139.7	139.3	137.6	135.3	132.1	130.4	131.8	135.1	139.7	143.5	143.9
30°	157.8	156.9	154.8	151.1	147.6	144.3	145.8	150.0	156.1	161.4	161.7
32.5°	176.7	176.5	174.0	168.7	162.8	159.8	161.1	167.3	174.5	179.8	181.0
35°	198.6	198.0	195.3	188.5	181.0	176.9	178.3	185.7	194.6	201.2	201.8
37.5°	222.6	221.2	218.1	209.8	200.2	195.3	196.6	205.2	215.9	222.6	224.2
40°	247.4	247.2	243.4	233.9	222.1	215.3	217.5	227.2	239.4	246.8	247.9
42.5°	276.2	275.7	271.9	260.7	246.4	238.6	241.0	252.5	265.8	273.2	274.6
45°	306.7	307.1	302.1	291.1	274.3	265.5	267.1	280.2	294.9	304.3	305.3
47.5°	341.9	341.1	338.1	324.5	305.3	295.2	297.0	311.5	328.8	337.6	338.1
50°	379.0	378.1	377.1	363.0	340.8	330.4	331.5	347.2	364.8	373.8	376.3
52.5°	420.3	420.6	421.0	405.7	380.9	366.7	369.1	387.0	405.7	414.0	416.1
55°	466.2	466.5	467.6	451.8	423.8	408.1	411.1	430.7	450.8	459.0	459.9
57.5°	517.3	515.9	520.2	501.5	470.8	452.7	455.8	476.4	497.7	505.8	507.3
60°	568.1	566.3	572.2	553.5	518.3	498.6	500.2	524.1	547.1	552.2	555.7
62.5°	611.5	613.3	621.0	602.1	563.1	539.0	541.8	566.1	591.6	596.8	597.5
65°	645.2	648.0	659.5	639.7	601.0	572.2	575.9	601.0	627.4	629.9	629.4
67.5°	663.2	665.6	678.7	662.4	623.3	594.9	597.0	621.2	643.7	646.2	643.7
68°	663.8	666.4	680.2	664.9	626.0	598.0	599.4	623.3	644.7	647.0	644.5
70°	655.8	662.1	676.6	665.1	628.8	602.6	602.9	622.1	642.7	641.1	638.9
72.5°	624.8	630.4	650.6	645.8	615.4	593.1	589.8	603.1	615.1	610.6	609.3
75°	561.8	567.2	593.3	598.6	581.6	565.3	557.6	561.8	561.5	553.3	550.0
77.5°	470.5	478.0	506.9	526.5	520.9	514.3	501.2	494.8	482.8	466.0	460.6
80°	365.6	373.1	404.4	431.8	443.0	443.8	431.8	410.5	386.4	363.5	358.9
82.5°	271.2	278.9	305.1	339.2	353.9	362.4	349.1	321.6	294.7	269.4	264.7
85°	189.4	195.1	221.5	249.2	270.6	279.9	265.3	241.8	214.5	192.8	188.5
87.5°	129.2	132.4	153.2	181.0	200.9	210.0	197.5	174.5	149.4	129.5	124.9
90°	82.0	84.0	99.5	122.8	143.0	151.1	141.2	121.2	98.3	82.0	79.0
92.5°	50.1	51.3	62.8	81.4	98.5	107.5	98.8	80.9	62.2	50.5	48.8
95°	32.8	33.7	40.3	52.3	66.4	73.1	67.3	53.9	41.4	33.7	32.6
97.5°	24.2	24.8	28.9	35.2	43.8	48.8	44.8	36.8	29.6	24.8	24.0
100°	18.9	19.2	21.9	25.9	30.7	33.7	31.4	27.0	22.4	18.9	18.7
102.5°	15.2	15.2	17.6	20.5	23.5	25.1	23.7	21.3	17.6	15.0	14.6
105°	12.0	12.2	14.1	16.8	18.9	20.0	19.2	17.4	14.1	11.7	11.5
107.5°	9.7	9.7	11.5	13.8	16.1	16.8	16.1	14.4	11.3	9.3	9.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	7.4	7.7	9.1	11.5	13.3	14.1	13.3	11.7	9.1	7.4	7.2
112.5°	6.1	6.1	7.2	9.3	11.3	11.7	11.3	9.3	7.2	5.9	5.9
115°	5.0	5.0	5.9	7.7	9.3	9.9	9.3	7.7	5.9	4.8	4.8
117.5°	4.3	4.6	5.0	6.4	7.7	7.9	7.7	6.4	4.8	4.3	4.1
120°	3.8	4.1	4.3	5.4	6.4	6.7	6.1	5.0	4.1	3.8	3.5
122.5°	3.5	3.5	3.8	4.3	5.4	5.6	5.0	4.3	3.5	3.2	3.2
125°	3.2	3.2	3.2	3.8	4.3	4.6	4.3	3.5	2.9	2.9	2.9
127.5°	2.9	2.9	2.9	3.2	3.8	3.8	3.5	2.9	2.6	2.6	2.6
130°	2.6	2.6	2.6	2.6	2.9	3.2	2.9	2.6	2.4	2.4	2.4
132.5°	2.4	2.4	2.4	2.4	2.4	2.6	2.4	2.1	2.1	2.1	2.1
135°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	1.8	1.8	1.8	1.8
137.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.6	1.6	1.6	1.8	1.8
140°	1.6	1.6	1.6	1.6	1.3	1.3	1.3	1.3	1.6	1.6	1.6
142.5°	1.6	1.6	1.3	1.3	1.1	1.1	1.1	1.1	1.3	1.3	1.3
145°	1.3	1.3	1.1	1.1	1.1	0.8	0.8	1.1	1.1	1.1	1.1
147.5°	1.1	1.1	1.1	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
150°	0.8	0.8	0.8	0.5	0.5	0.5	0.5	0.5	0.5	0.8	0.8
152.5°	0.5	0.5	0.5	0.5	0.5	0.2	0.5	0.5	0.5	0.5	0.5
155°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
157.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
160°	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	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)