

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: P414400

Luminaire Tested: **LXF.LXT-PA1-20-827-U-5WQ-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414400
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-PA1-20-827-U-5WQ-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 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: 2024 lumens
Efficiency: N/A
Efficacy: 96.4 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 - 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

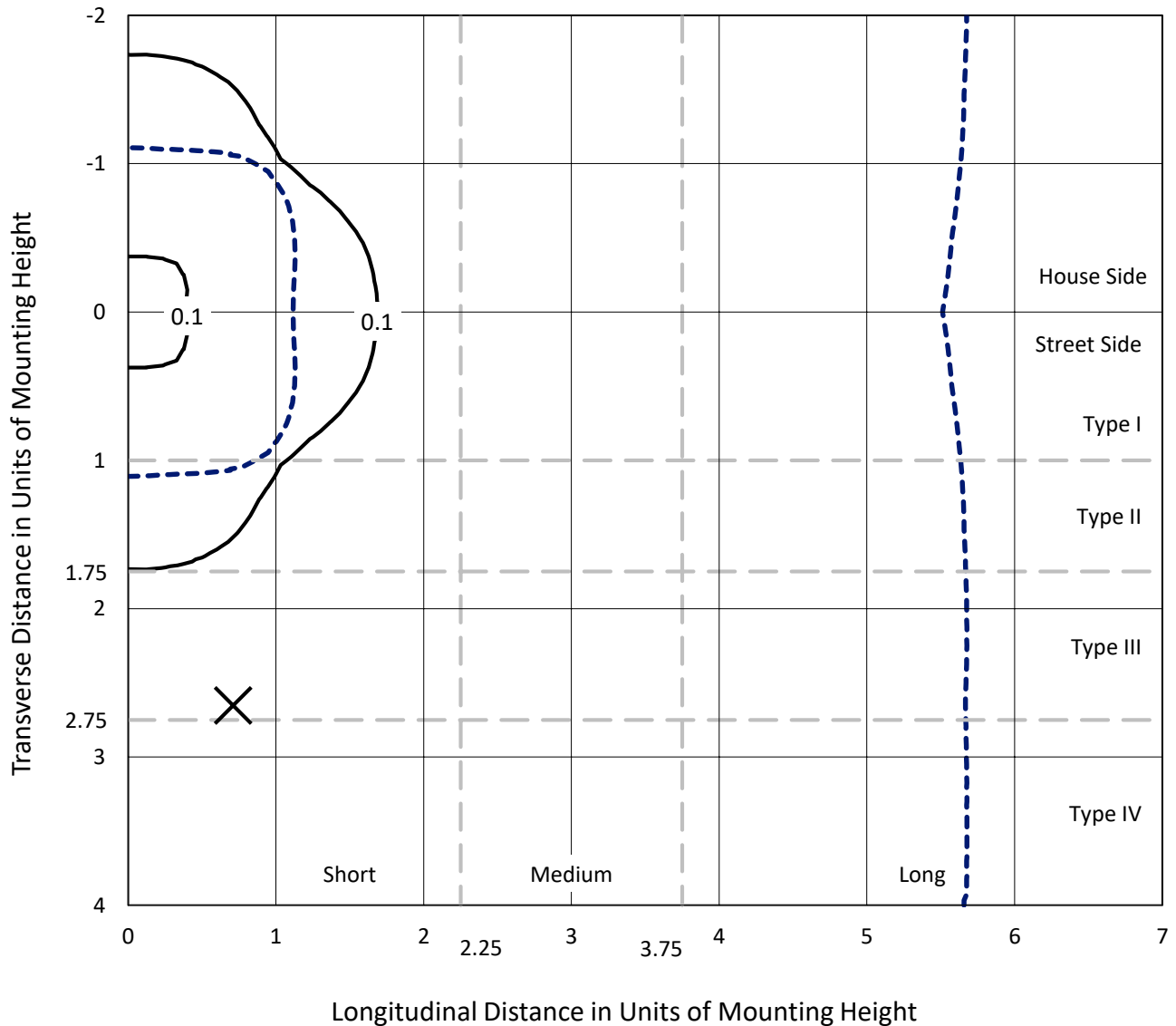


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Iso-Footcandle Lines of Horizontal Illumination

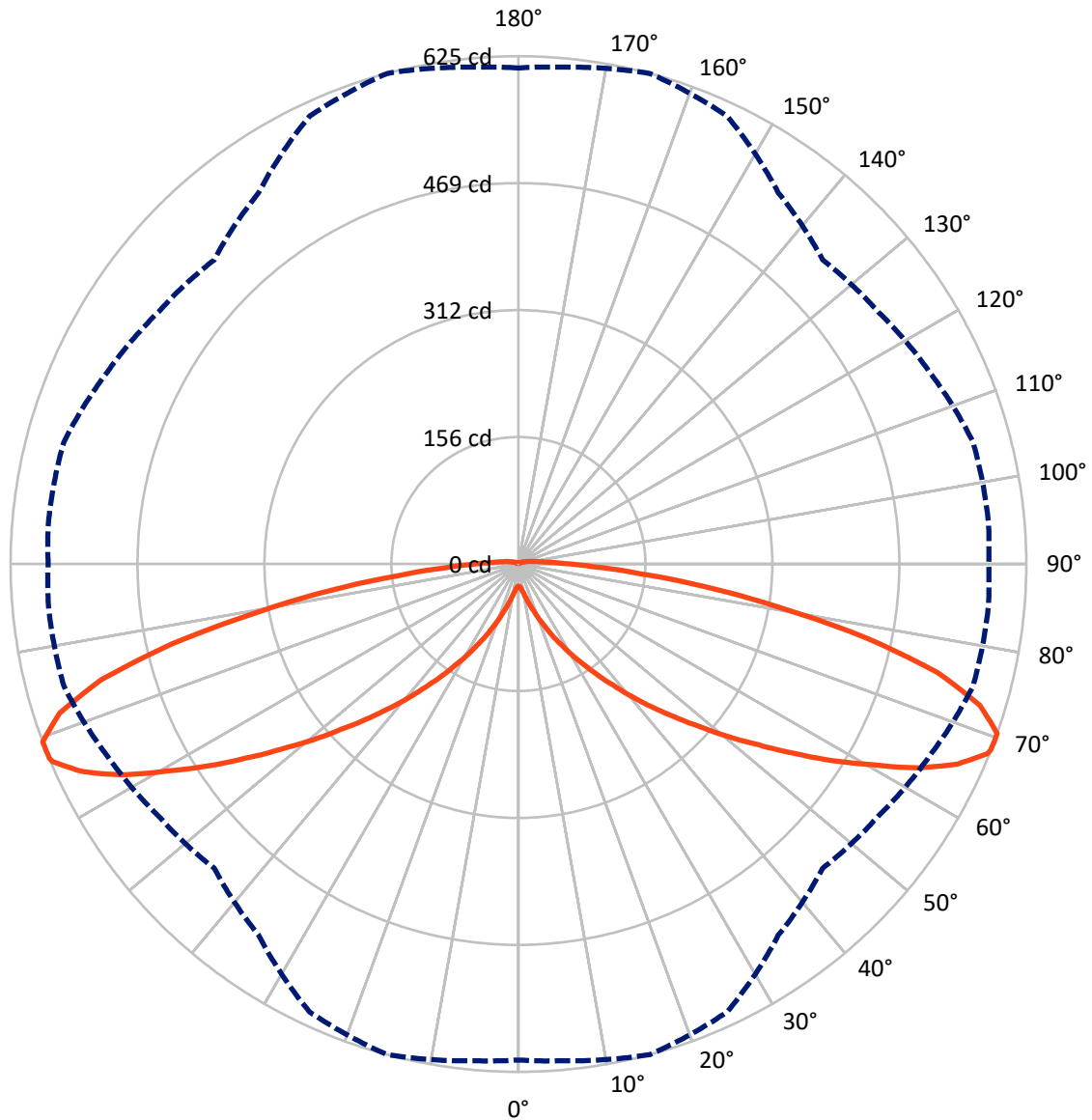
× Max cd
 - - - 1/2 Max cd



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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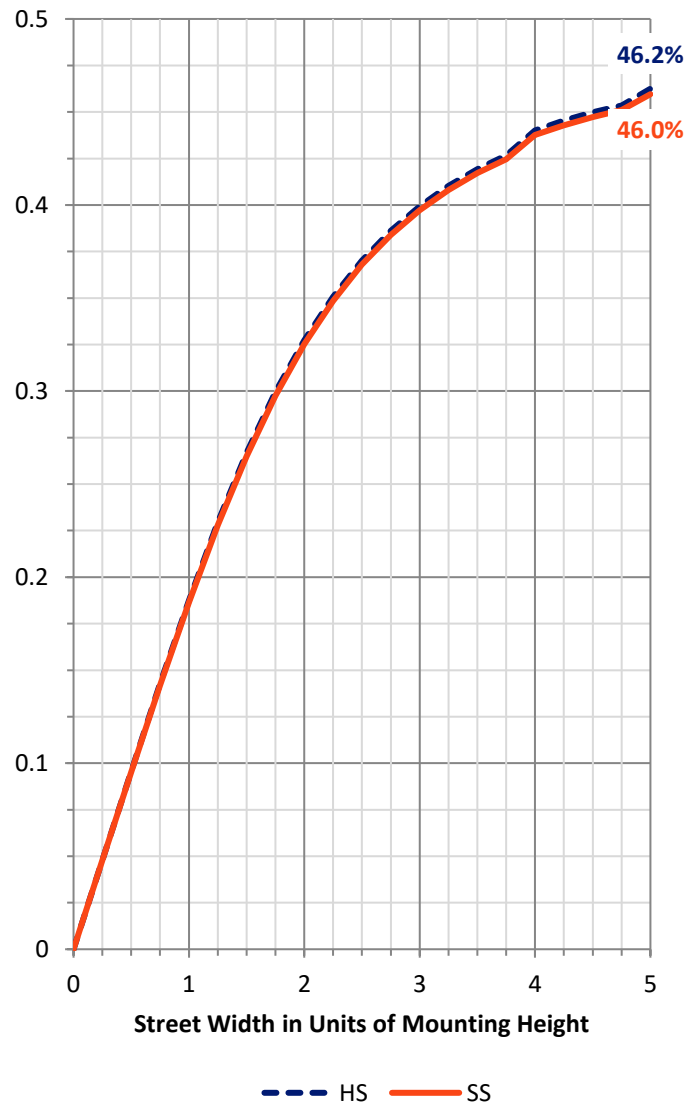
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	976.4	35.6	1012.0
	% Fixture	48.2	1.8	50.0
Street Side	Lumens	976.4	35.6	1012.0
	% Fixture	48.2	1.8	50.0
Total	Lumens	1952.7	71.3	2024.0
	% Fixture	96.5	3.5	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.0	0.1
10°-20°	14.6	0.7
20°-30°	44.0	2.2
30°-40°	101.1	5.0
40°-50°	194.4	9.6
50°-60°	343.6	17.0
60°-70°	532.5	26.3
70°-80°	516.8	25.5
80°-90°	202.7	10.0
90°-100°	43.6	2.2
100°-110°	14.9	0.7
110°-120°	6.6	0.3
120°-130°	3.3	0.2
130°-140°	1.8	0.1
140°-150°	0.8	0.0
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	1952.7	96.5
0°-180°	2024.0	100.0



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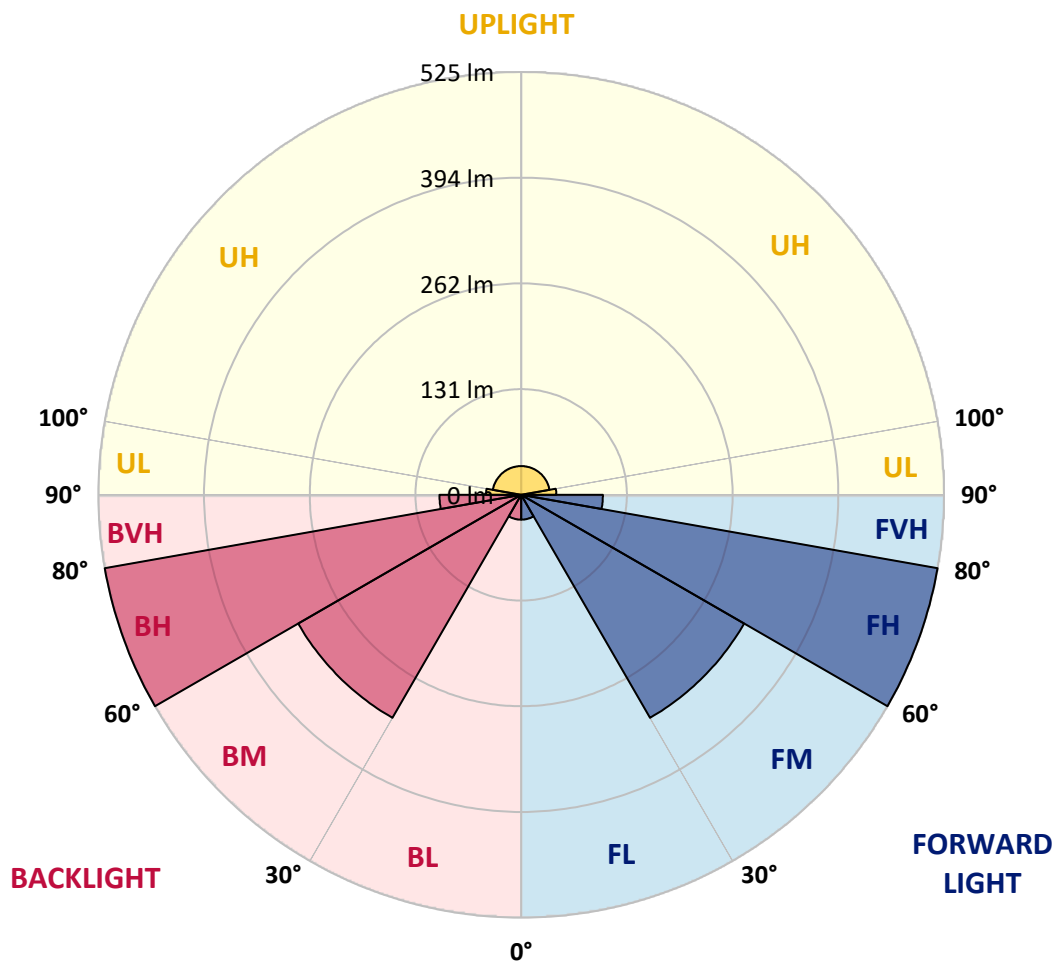
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	30.8	1.5			
FM	(30°-60°)	319.5	15.8			
FH	(60°-80°)	524.7	25.9			G0/660
FVH	(80°-90°)	101.4	5.0			G2/225
BL	(0°-30°)	30.8	1.5	B0/110		
BM	(30°-60°)	319.5	15.8	B1/1000		
BH	(60°-80°)	524.7	25.9	B2/1000		G0/660
BVH	(80°-90°)	101.4	5.0			G2/225
UL	(90°-100°)	43.6	2.2		U2/50	
UH	(100°-180°)	35.6	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°	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3
2.5°	27.7	27.7	27.7	27.9	27.9	28.1	27.9	27.7	27.7	27.5	27.5
5°	29.7	29.7	29.7	29.7	29.9	29.9	29.5	29.2	29.0	29.0	29.0
7.5°	32.8	32.8	33.0	32.8	32.8	32.6	32.1	31.7	31.7	31.5	31.5
10°	37.7	37.2	37.2	37.0	36.8	36.3	35.9	35.7	35.2	35.2	34.8
12.5°	44.3	44.1	43.4	42.8	41.9	41.2	40.8	40.5	40.5	40.5	41.0
15°	52.1	52.3	51.8	50.3	48.5	47.2	47.0	47.0	47.4	47.9	47.9
17.5°	62.3	61.8	60.7	58.9	56.7	55.4	54.5	55.2	56.3	56.9	57.4
20°	73.3	73.1	71.6	68.7	66.2	64.5	63.8	64.7	66.7	68.5	68.2
22.5°	86.2	86.0	83.5	79.8	76.4	74.4	73.8	75.5	79.8	82.0	82.4
25°	100.8	100.1	97.9	92.8	88.2	85.1	85.5	88.6	94.2	98.6	98.4
27.5°	117.4	116.5	112.3	106.6	100.4	97.3	98.1	103.2	110.8	115.9	116.5
30°	135.6	134.3	129.8	121.4	114.3	109.9	112.1	119.2	128.7	136.0	136.9
32.5°	153.1	154.6	147.1	138.7	128.9	123.2	126.1	135.8	147.6	157.7	158.6
35°	175.2	173.9	167.5	156.4	144.5	138.5	142.2	154.2	167.5	179.5	179.9
37.5°	199.0	197.6	189.2	175.7	161.7	154.6	159.5	172.4	189.4	201.4	204.0
40°	224.4	221.8	214.0	197.4	180.3	173.0	177.7	193.9	212.2	225.3	227.1
42.5°	249.5	247.9	239.9	220.9	201.4	192.1	199.0	214.9	236.2	249.0	251.2
45°	276.7	276.5	267.9	247.0	225.1	214.7	221.8	239.5	259.9	274.7	276.1
47.5°	305.5	305.7	298.2	277.4	250.8	239.1	245.9	265.9	289.8	303.1	304.4
50°	339.6	338.3	333.2	308.8	280.9	267.6	276.5	297.3	319.5	333.7	335.0
52.5°	375.5	375.5	369.5	347.2	314.6	300.9	308.4	329.7	354.5	367.3	370.0
55°	415.4	413.6	411.2	386.8	353.6	337.6	345.2	369.3	392.1	403.2	403.4
57.5°	458.6	456.8	456.4	434.5	396.6	375.7	384.4	407.2	433.1	440.4	442.7
60°	500.5	503.6	501.8	482.5	439.8	416.3	426.0	450.0	475.0	481.7	483.9
62.5°	546.1	547.7	552.5	529.1	483.0	457.9	467.7	489.0	514.4	520.0	520.9
65°	585.6	587.1	593.5	571.4	519.1	492.7	503.8	526.2	551.7	556.5	553.7
67.5°	609.0	612.6	622.3	601.3	547.5	518.4	529.7	550.8	572.9	577.4	573.6
68°	612.6	615.5	624.6	605.5	551.0	521.5	533.5	554.3	576.9	580.5	577.6
70°	610.2	613.5	624.8	607.9	557.4	529.3	540.6	558.3	579.1	580.5	578.5
72.5°	576.5	582.5	593.5	587.6	546.6	521.1	530.6	541.5	555.9	555.6	553.2
75°	512.0	509.3	532.2	535.0	508.0	493.4	498.0	498.3	501.1	497.2	489.2
77.5°	409.4	415.6	437.8	457.1	448.0	442.2	443.1	430.0	424.3	407.2	401.9
80°	298.7	303.5	327.2	356.5	369.5	376.2	368.7	344.1	323.9	306.4	300.4
82.5°	203.8	205.6	233.5	261.7	287.8	295.8	289.1	255.7	227.8	209.1	200.9
85°	125.4	128.3	148.2	176.1	206.9	225.1	209.6	176.1	148.0	133.4	130.1
87.5°	73.8	78.2	91.5	112.5	142.0	157.5	145.3	116.3	93.7	83.1	79.1
90°	46.1	48.7	57.2	72.4	95.3	106.6	98.4	75.5	60.5	51.4	48.5
92.5°	32.1	33.0	38.8	48.5	64.9	72.7	65.8	51.8	41.4	34.6	33.5
95°	23.9	24.6	28.1	34.3	44.8	50.7	46.1	36.6	29.5	24.8	24.1
97.5°	18.8	19.3	22.2	26.1	32.8	37.0	34.1	27.9	22.8	19.1	18.4
100°	14.6	15.1	17.7	20.8	25.7	27.9	26.1	21.9	17.9	14.6	14.2
102.5°	11.5	11.7	14.2	17.1	20.6	22.2	20.8	17.7	14.2	11.3	11.1
105°	9.1	9.3	11.5	14.2	17.1	18.2	17.3	14.6	11.3	8.6	8.4
107.5°	7.1	7.3	9.1	11.7	14.2	15.1	14.2	12.0	8.9	6.9	6.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	5.8	5.8	7.5	9.7	12.0	12.6	12.0	9.7	7.1	5.5	5.3
112.5°	4.9	4.9	6.2	8.2	10.0	10.9	10.0	8.0	5.8	4.4	4.4
115°	4.0	4.2	5.1	6.9	8.4	9.1	8.4	6.6	4.9	3.8	3.8
117.5°	3.5	3.8	4.4	5.8	7.3	7.8	7.1	5.5	4.0	3.3	3.3
120°	3.3	3.3	3.8	4.9	6.2	6.6	6.0	4.9	3.5	3.1	3.1
122.5°	3.1	3.1	3.3	4.2	5.3	5.8	5.1	4.0	3.1	2.9	2.7
125°	2.9	2.9	3.1	3.8	4.7	4.9	4.4	3.5	2.7	2.4	2.4
127.5°	2.7	2.7	2.9	3.3	4.0	4.2	4.0	3.1	2.4	2.4	2.4
130°	2.4	2.4	2.7	2.9	3.5	3.8	3.3	2.7	2.2	2.2	2.2
132.5°	2.2	2.2	2.2	2.7	3.1	3.1	2.9	2.4	2.2	2.0	2.0
135°	2.2	2.2	2.2	2.2	2.7	2.9	2.4	2.2	2.0	2.0	2.0
137.5°	2.0	2.0	2.0	2.0	2.2	2.4	2.2	2.0	1.8	1.8	1.8
140°	1.8	1.8	1.8	1.8	2.0	2.0	2.0	1.6	1.6	1.6	1.6
142.5°	1.6	1.6	1.6	1.6	1.6	1.8	1.6	1.3	1.3	1.3	1.3
145°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
147.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
150°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
152.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
155°	0.4	0.4	0.4	0.4	0.7	0.4	0.7	0.4	0.4	0.4	0.4
157.5°	0.2	0.2	0.4	0.4	0.4	0.7	0.4	0.4	0.2	0.2	0.2
160°	0.0	0.2	0.2	0.2	0.4	0.4	0.4	0.2	0.2	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)