

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: P414138

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

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414138
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-16)
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-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS
AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2261 lumens
Efficiency: N/A
Efficacy: 107.7 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type V - Medium - Non-Cutoff
BUG Rating: B1 - 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

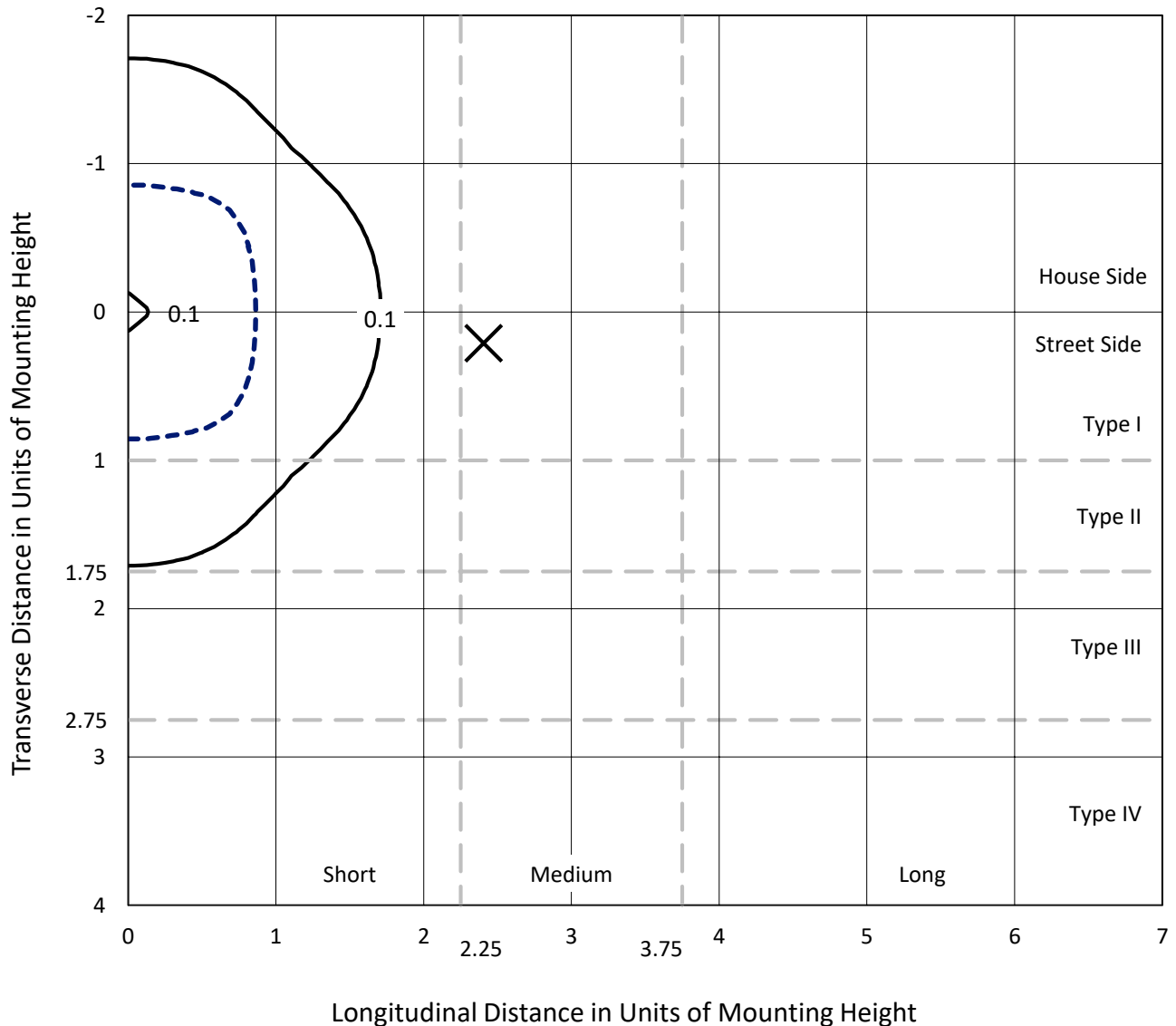


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Iso-Footcandle Lines of Horizontal Illumination

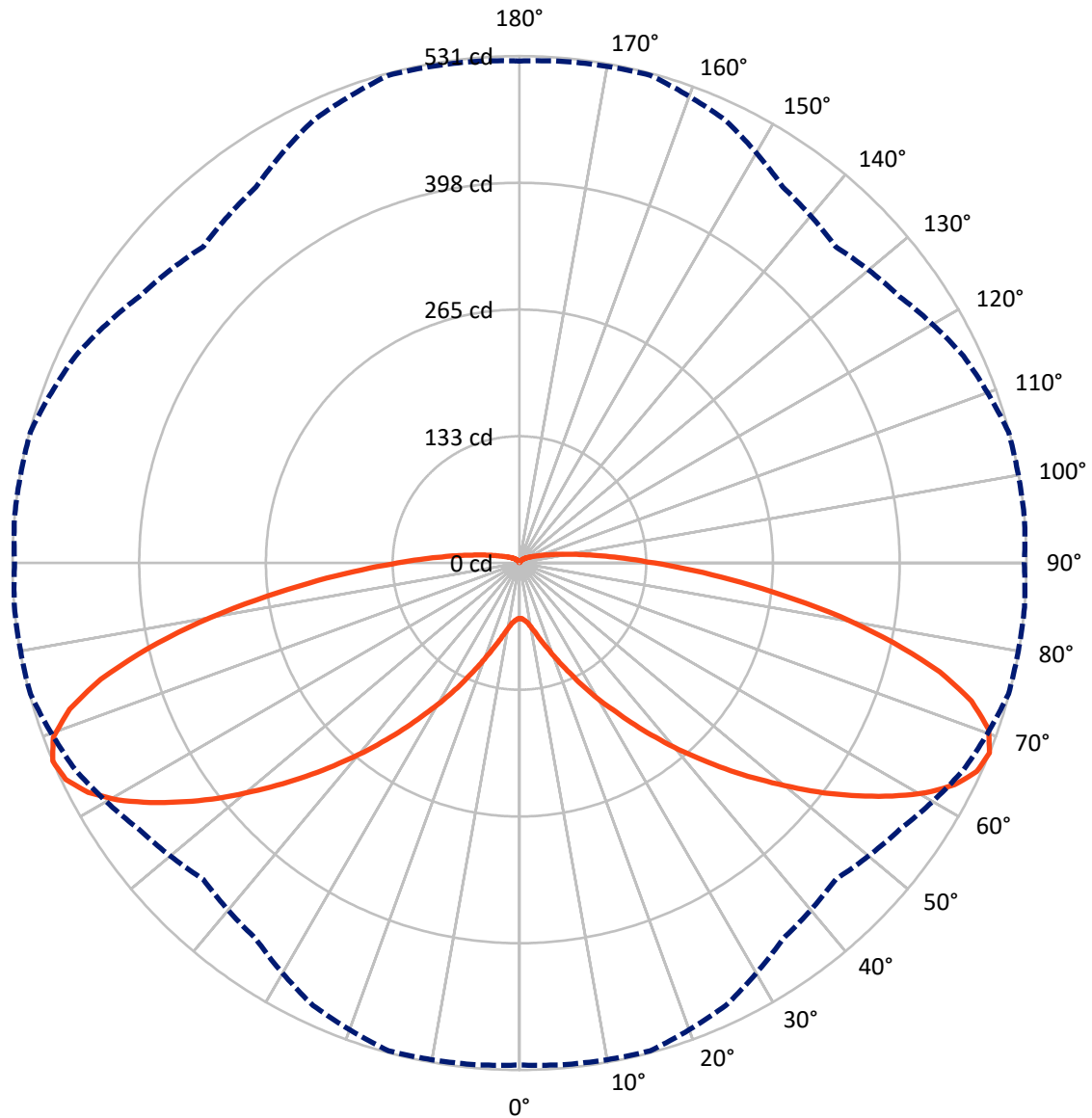
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.2 fc
 Type V - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 85-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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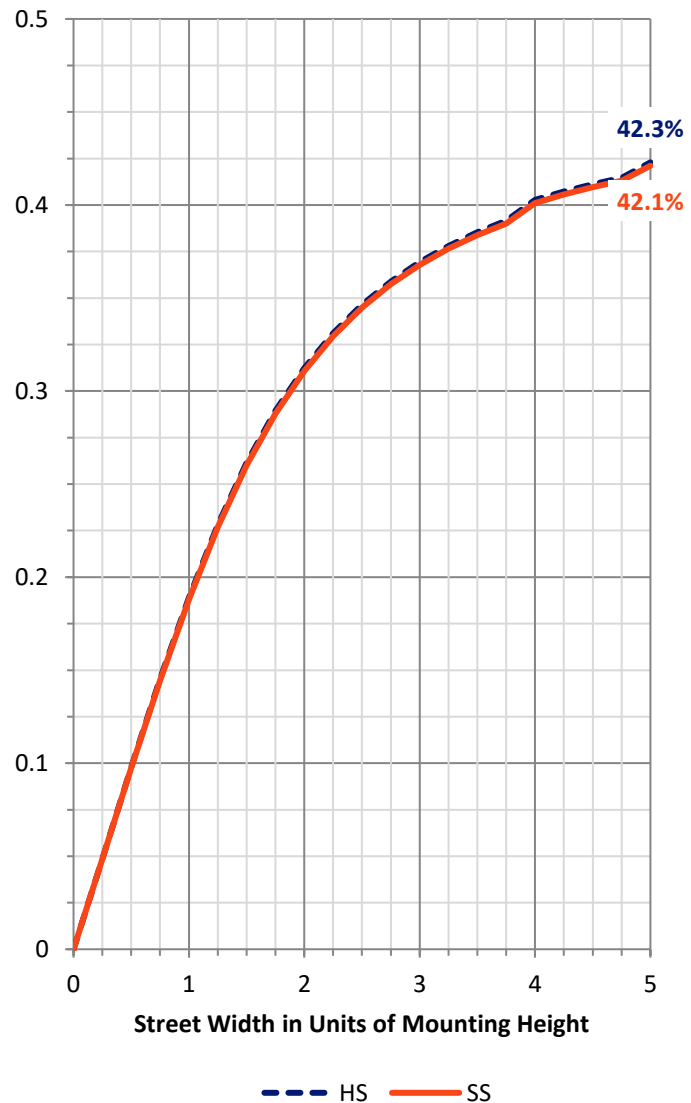
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1025.3	105.2	1130.5
	% Fixture	45.3	4.7	50.0
Street Side	Lumens	1025.3	105.2	1130.5
	% Fixture	45.3	4.7	50.0
Total	Lumens	2050.5	210.5	2261.0
	% Fixture	90.7	9.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.0	0.3
10°-20°	24.6	1.1
20°-30°	62.2	2.7
30°-40°	127.9	5.7
40°-50°	229.9	10.2
50°-60°	367.6	16.3
60°-70°	491.8	21.8
70°-80°	466.0	20.6
80°-90°	274.5	12.1
90°-100°	118.6	5.2
100°-110°	50.5	2.2
110°-120°	23.2	1.0
120°-130°	11.1	0.5
130°-140°	5.0	0.2
140°-150°	1.7	0.1
150°-160°	0.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2050.5	90.7
0°-180°	2261.0	100.0



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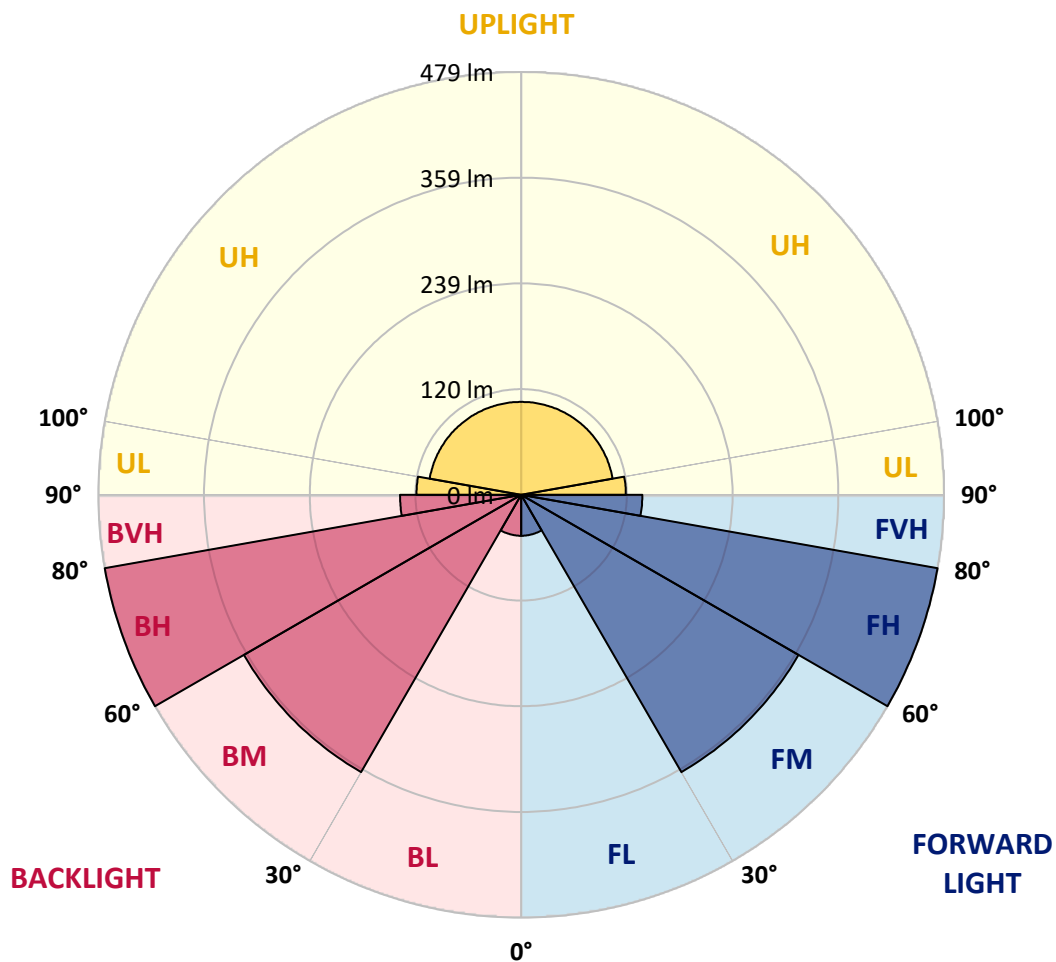
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	46.4	2.1			
FM	(30°-60°)	362.7	16.0			
FH	(60°-80°)	478.9	21.2			G0/660
FVH	(80°-90°)	137.2	6.1			G2/225
BL	(0°-30°)	46.4	2.1	B0/110		
BM	(30°-60°)	362.7	16.0	B1/1000		
BH	(60°-80°)	478.9	21.2	B1/500		G0/660
BVH	(80°-90°)	137.2	6.1			G2/225
UL	(90°-100°)	118.6	5.2		U3/500	
UH	(100°-180°)	105.2	4.7		U3/500	

BUG Rating: B1-U3-G2

Type V Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
2.5°	58.5	58.2	58.5	58.5	58.7	58.7	58.7	58.7	58.5	58.5	58.5
5°	60.5	60.5	60.5	60.5	60.8	60.8	60.8	60.5	60.5	60.5	60.5
7.5°	64.3	64.0	64.3	64.0	64.0	63.8	64.0	63.8	63.5	63.5	63.5
10°	69.1	69.1	69.1	68.8	68.8	68.8	68.3	68.3	68.3	68.6	68.3
12.5°	76.9	76.4	76.4	75.4	74.9	74.6	74.4	74.4	75.1	75.1	74.6
15°	86.0	85.7	85.7	84.4	83.4	81.9	82.2	83.2	83.2	83.7	83.4
17.5°	96.8	96.5	95.8	94.5	93.3	92.3	91.8	92.3	92.8	93.0	93.3
20°	108.7	108.4	107.4	106.1	104.9	104.4	102.6	103.4	103.9	104.4	104.1
22.5°	121.3	121.3	120.2	118.5	117.2	116.2	115.5	114.7	116.5	117.5	117.7
25°	136.6	136.1	134.4	132.3	130.8	130.1	129.1	129.1	130.3	132.3	132.9
27.5°	152.8	152.3	149.7	147.5	145.5	143.7	143.2	143.9	146.2	149.2	149.2
30°	170.7	169.7	167.4	163.9	160.6	158.8	159.3	160.6	163.9	167.4	167.1
32.5°	190.3	188.6	186.0	182.0	177.2	174.7	175.5	179.0	182.3	186.0	186.5
35°	211.2	211.0	207.0	201.7	195.6	191.6	193.1	197.9	202.9	208.2	209.0
37.5°	232.7	233.4	228.6	222.8	214.0	209.2	212.5	219.3	225.6	231.4	231.9
40°	258.9	258.1	253.3	244.8	234.2	228.9	231.7	241.2	249.3	256.6	257.1
42.5°	285.9	283.9	279.8	269.5	255.4	250.6	254.6	265.4	276.3	282.3	282.6
45°	311.3	312.1	307.5	295.2	279.6	272.3	278.1	290.9	303.5	310.1	310.8
47.5°	343.3	341.3	337.3	321.4	303.8	296.5	303.0	318.6	332.5	338.6	338.3
50°	374.6	373.3	367.5	350.9	331.0	322.2	328.7	347.9	363.0	368.3	369.6
52.5°	404.3	403.8	398.8	380.4	359.0	348.1	357.2	377.1	394.5	399.8	400.3
55°	434.9	433.3	429.6	410.4	385.9	373.8	385.2	407.4	425.3	430.3	430.6
57.5°	462.1	463.1	460.1	439.9	411.7	400.1	412.7	437.4	455.5	460.3	461.1
60°	489.3	489.6	487.3	467.6	437.6	424.5	439.1	464.9	484.3	488.5	488.8
62.5°	510.7	511.2	509.5	488.0	458.0	445.4	461.6	488.3	508.2	511.2	511.0
65°	523.8	525.4	524.3	504.9	472.9	461.3	478.2	506.2	524.3	526.1	525.4
67.5°	525.4	527.1	528.6	511.0	480.5	468.1	486.0	512.7	529.9	530.6	528.4
70°	514.3	516.0	519.6	504.9	476.7	466.4	483.5	507.5	521.8	520.8	518.3
72.5°	485.8	489.6	494.8	485.0	461.3	452.8	469.6	488.8	498.6	494.8	491.3
75°	444.9	448.7	458.8	453.3	435.1	430.3	442.9	457.3	460.1	454.5	449.7
77.5°	395.3	400.1	409.4	413.7	401.6	396.8	407.4	414.9	411.9	399.8	396.3
80°	337.3	344.9	354.7	361.5	358.5	357.0	362.3	361.5	350.4	340.8	334.8
82.5°	284.4	285.9	301.0	309.6	310.6	311.1	312.6	303.5	290.7	277.8	272.3
85°	232.4	232.9	245.5	257.9	262.7	264.2	261.4	249.3	236.0	221.6	217.8
87.5°	186.3	187.0	198.1	210.7	219.1	220.1	214.8	202.9	186.3	173.4	170.2
90°	147.2	149.7	160.8	171.2	180.0	181.5	173.9	161.3	146.0	133.6	131.6
92.5°	117.7	119.0	129.1	138.6	147.0	147.2	141.9	129.1	115.5	104.4	101.8
95°	94.5	95.5	103.6	112.4	119.2	120.8	114.7	103.4	90.8	81.2	80.7
97.5°	75.4	76.6	82.9	92.3	97.3	98.3	94.3	83.7	72.1	63.5	63.5
100°	60.5	61.3	66.8	74.6	79.9	80.9	76.9	67.6	57.5	49.9	49.4
102.5°	49.2	49.7	54.2	61.3	66.0	67.1	63.5	56.0	46.1	40.1	39.8
105°	40.3	40.6	44.1	50.7	55.2	56.0	52.7	46.1	37.3	32.3	32.0
107.5°	33.0	33.3	36.0	42.1	46.4	47.1	44.4	37.8	30.3	26.7	26.2
110°	27.7	28.0	30.0	34.8	39.1	40.1	37.3	31.5	25.0	21.9	21.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	23.4	23.7	25.2	29.2	33.0	34.3	31.5	26.2	20.9	18.7	18.4
115°	19.9	20.2	21.2	24.7	27.7	28.7	26.7	21.9	17.6	15.9	15.9
117.5°	17.4	17.6	18.2	20.9	23.7	24.5	22.4	18.4	14.9	13.9	13.9
120°	15.4	15.4	15.6	17.6	19.9	20.7	18.9	15.6	12.9	12.1	12.1
122.5°	13.4	13.4	13.6	15.1	16.9	17.4	15.9	13.1	11.1	10.8	10.6
125°	11.8	11.8	11.8	12.9	14.4	14.6	13.4	11.1	9.8	9.6	9.6
127.5°	10.3	10.3	10.3	10.8	11.8	12.1	11.1	9.3	8.6	8.3	8.3
130°	9.1	9.1	9.1	9.3	9.8	10.1	9.1	8.1	7.6	7.6	7.6
132.5°	8.1	8.1	7.8	7.8	8.1	8.1	7.6	6.8	6.6	6.6	6.6
135°	7.1	7.1	6.8	6.6	6.6	6.3	5.8	5.5	5.8	5.8	5.8
137.5°	6.1	6.1	5.8	5.5	5.3	5.0	4.8	4.5	4.8	5.0	5.0
140°	5.0	5.0	4.8	4.3	4.0	3.8	3.5	3.8	4.0	4.3	4.3
142.5°	4.0	4.0	4.0	3.5	3.0	2.8	2.8	3.0	3.3	3.5	3.5
145°	3.3	3.3	3.0	2.8	2.3	2.0	2.0	2.3	2.8	2.8	2.8
147.5°	2.5	2.5	2.3	2.0	1.5	1.3	1.5	1.8	2.0	2.3	2.3
150°	1.8	1.8	1.8	1.5	1.0	1.0	1.0	1.3	1.5	1.5	1.5
152.5°	1.0	1.0	1.0	1.0	0.8	0.5	0.8	1.0	1.0	1.0	1.0
155°	0.8	0.8	0.8	0.8	0.5	0.5	0.5	0.8	0.8	0.8	0.8
157.5°	0.3	0.3	0.3	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
160°	0.0	0.0	0.3	0.3	0.5	0.5	0.5	0.5	0.3	0.3	0.3
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)