

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: P414866

Luminaire Tested: **LXF.LXT-PA1-30-830-U-5WQ-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414866
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-PA1-30-830-U-5WQ-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 375mA 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: 3013 lumens
Efficiency: N/A
Efficacy: 97.2 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: B2 - U3 - G2

Input Watts (W): 31
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

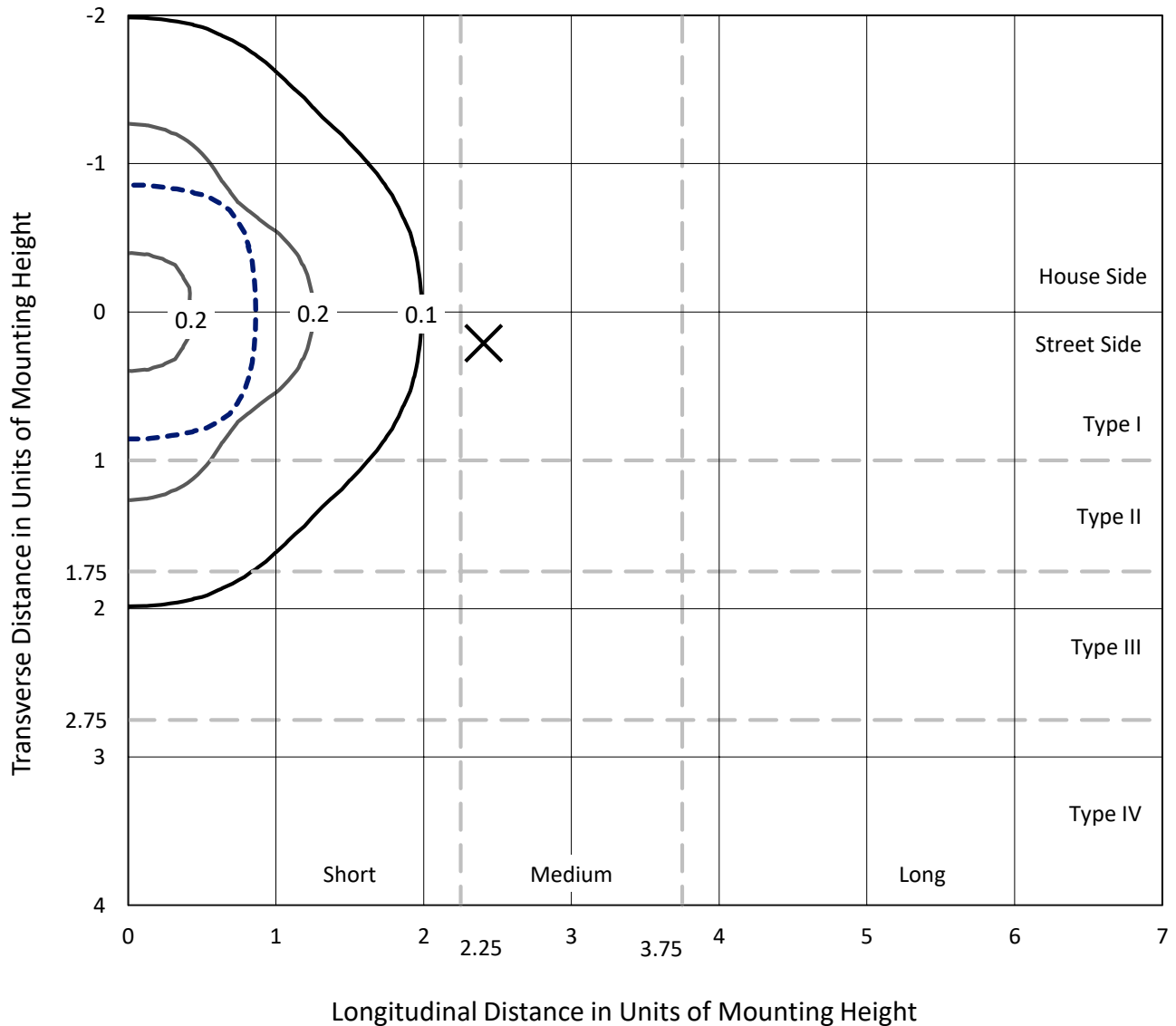


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Iso-Footcandle Lines of Horizontal Illumination

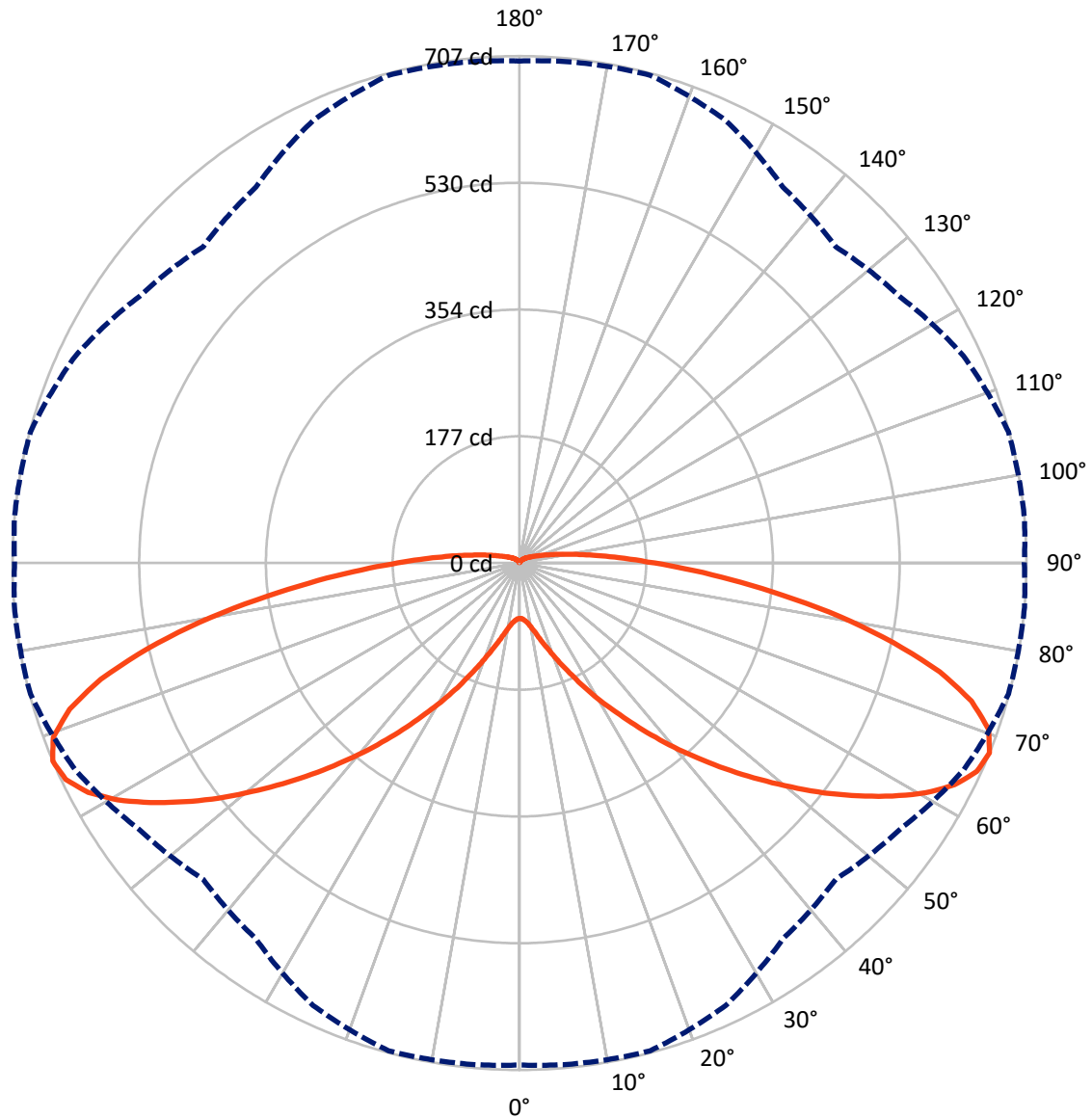
× Max cd
 - - - 1/2 Max cd



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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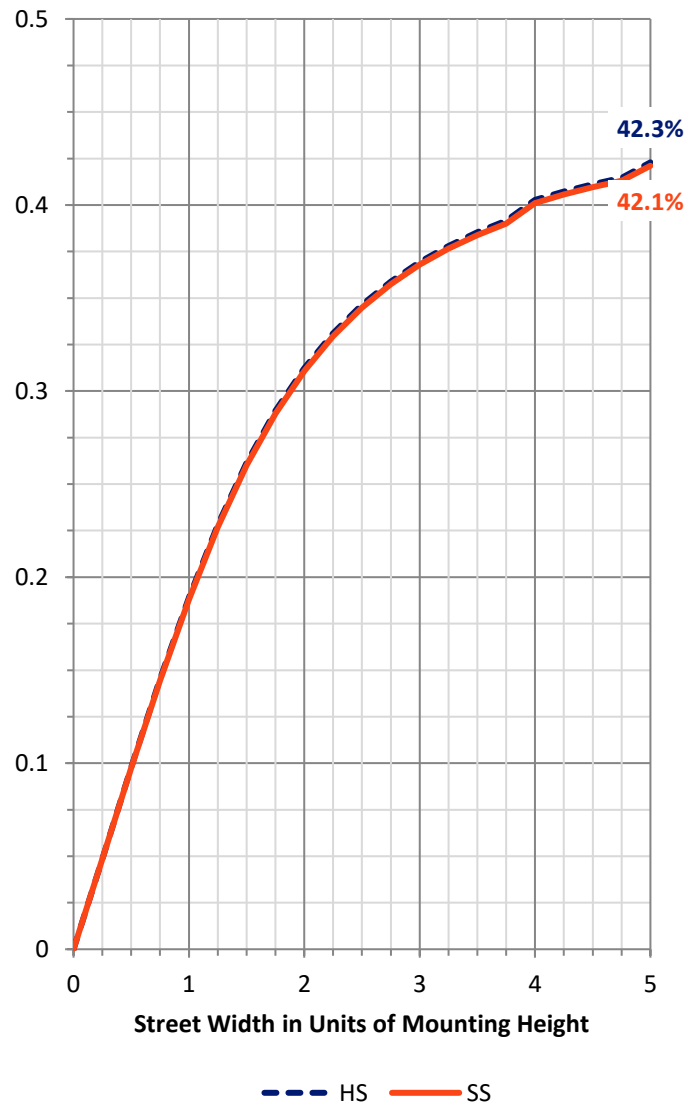
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1366.3	140.2	1506.5
	% Fixture	45.3	4.7	50.0
Street Side	Lumens	1366.3	140.2	1506.5
	% Fixture	45.3	4.7	50.0
Total	Lumens	2732.5	280.5	3013.0
	% Fixture	90.7	9.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.0	0.3
10°-20°	32.8	1.1
20°-30°	82.8	2.7
30°-40°	170.4	5.7
40°-50°	306.4	10.2
50°-60°	489.8	16.3
60°-70°	655.4	21.8
70°-80°	621.0	20.6
80°-90°	365.8	12.1
90°-100°	158.0	5.2
100°-110°	67.3	2.2
110°-120°	31.0	1.0
120°-130°	14.8	0.5
130°-140°	6.6	0.2
140°-150°	2.3	0.1
150°-160°	0.5	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2732.5	90.7
0°-180°	3013.0	100.0



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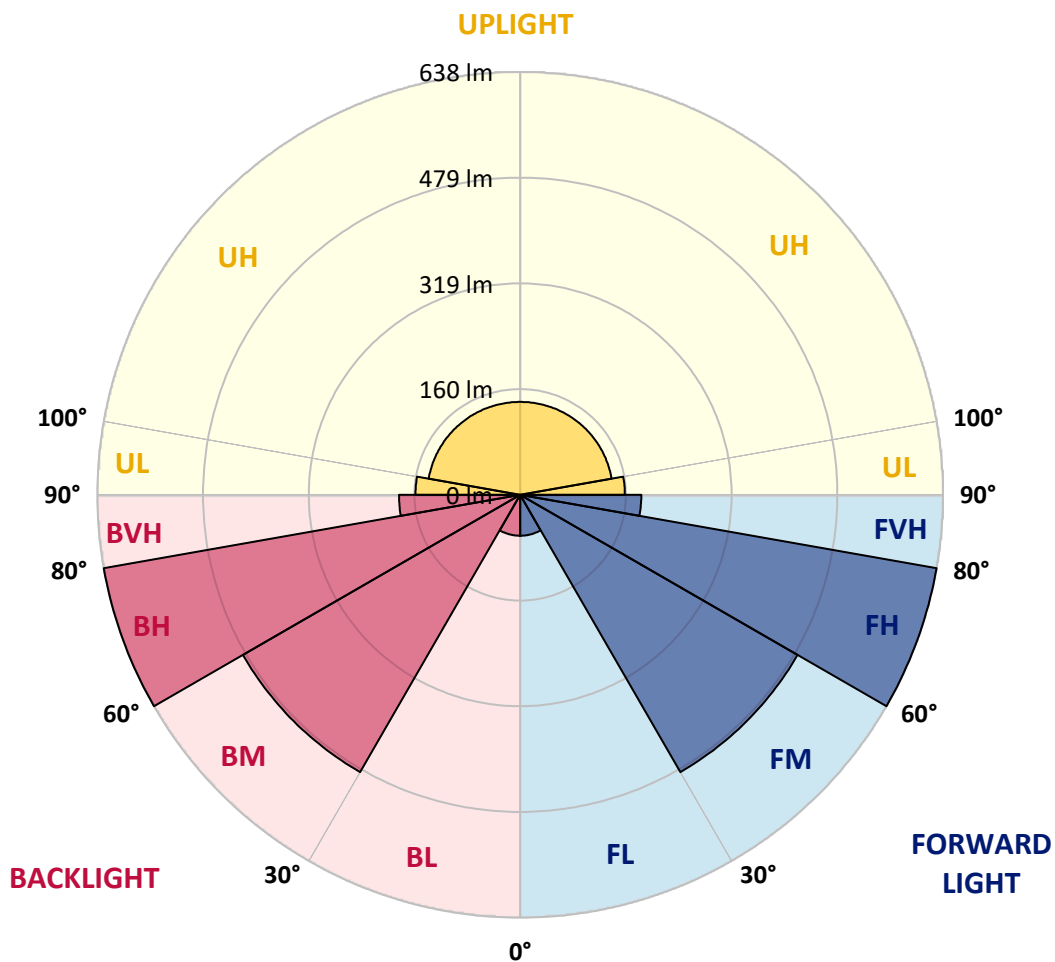
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	61.8	2.1			
FM	(30°-60°)	483.3	16.0			
FH	(60°-80°)	638.2	21.2			G0/660
FVH	(80°-90°)	182.9	6.1			G2/225
BL	(0°-30°)	61.8	2.1	B0/110		
BM	(30°-60°)	483.3	16.0	B1/1000		
BH	(60°-80°)	638.2	21.2	B2/1000		G0/660
BVH	(80°-90°)	182.9	6.1			G2/225
UL	(90°-100°)	158.0	5.2		U3/500	
UH	(100°-180°)	140.2	4.7		U3/500	

BUG Rating: B2-U3-G2

Type V Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
2.5°	77.9	77.6	77.9	77.9	78.3	78.3	78.3	78.3	77.9	77.9	77.9
5°	80.6	80.6	80.6	80.6	81.0	81.0	81.0	80.6	80.6	80.6	80.6
7.5°	85.7	85.3	85.7	85.3	85.3	85.0	85.3	85.0	84.7	84.7	84.7
10°	92.0	92.0	92.0	91.7	91.7	91.7	91.0	91.0	91.0	91.4	91.0
12.5°	102.5	101.8	101.8	100.4	99.8	99.4	99.1	99.1	100.1	100.1	99.4
15°	114.6	114.2	114.2	112.5	111.2	109.2	109.5	110.9	110.9	111.5	111.2
17.5°	129.0	128.7	127.7	126.0	124.3	123.0	122.3	123.0	123.6	124.0	124.3
20°	144.8	144.5	143.1	141.4	139.7	139.1	136.7	137.7	138.4	139.1	138.7
22.5°	161.6	161.6	160.2	157.9	156.2	154.9	153.9	152.8	155.2	156.5	156.9
25°	182.1	181.4	179.1	176.4	174.3	173.3	172.0	172.0	173.7	176.4	177.0
27.5°	203.6	202.9	199.5	196.5	193.8	191.5	190.8	191.8	194.8	198.9	198.9
30°	227.4	226.1	223.1	218.4	214.0	211.6	212.3	214.0	218.4	223.1	222.7
32.5°	253.6	251.3	247.9	242.5	236.2	232.8	233.8	238.5	242.9	247.9	248.6
35°	281.5	281.2	275.8	268.7	260.7	255.3	257.3	263.7	270.4	277.5	278.5
37.5°	310.1	311.1	304.7	297.0	285.2	278.8	283.2	292.3	300.7	308.4	309.1
40°	345.0	344.0	337.6	326.2	312.1	305.0	308.7	321.5	332.2	342.0	342.7
42.5°	380.9	378.3	372.9	359.1	340.3	333.9	339.3	353.7	368.2	376.2	376.6
45°	414.9	415.9	409.8	393.4	372.5	362.8	370.5	387.7	404.5	413.2	414.2
47.5°	457.5	454.9	449.5	428.3	404.8	395.1	403.8	424.6	443.1	451.2	450.8
50°	499.2	497.5	489.8	467.6	441.1	429.3	438.1	463.6	483.7	490.8	492.5
52.5°	538.8	538.2	531.4	506.9	478.4	463.9	476.0	502.6	525.7	532.8	533.5
55°	579.5	577.5	572.4	546.9	514.3	498.2	513.3	542.9	566.7	573.4	573.8
57.5°	615.8	617.1	613.1	586.2	548.6	533.1	549.9	582.8	607.0	613.4	614.4
60°	652.0	652.4	649.4	623.2	583.2	565.7	585.2	619.5	645.3	651.0	651.4
62.5°	680.6	681.3	678.9	650.4	610.4	593.6	615.1	650.7	677.2	681.3	680.9
65°	698.1	700.1	698.7	672.9	630.2	614.8	637.3	674.6	698.7	701.1	700.1
67.5°	700.1	702.4	704.4	680.9	640.3	623.8	647.7	683.3	706.1	707.1	704.1
70°	685.3	687.7	692.4	672.9	635.2	621.5	644.3	676.2	695.4	694.0	690.7
72.5°	647.3	652.4	659.4	646.3	614.8	603.3	625.8	651.4	664.5	659.4	654.7
75°	592.9	598.0	611.4	604.0	579.8	573.4	590.2	609.4	613.1	605.7	599.3
77.5°	526.7	533.1	545.6	551.3	535.1	528.8	542.9	552.9	548.9	532.8	528.1
80°	449.5	459.6	472.7	481.7	477.7	475.7	482.7	481.7	466.9	454.2	446.1
82.5°	378.9	380.9	401.1	412.5	413.9	414.5	416.6	404.5	387.3	370.2	362.8
85°	309.7	310.4	327.2	343.7	350.0	352.1	348.4	332.2	314.4	295.3	290.2
87.5°	248.3	249.3	264.0	280.8	291.9	293.3	286.2	270.4	248.3	231.1	226.8
90°	196.2	199.5	214.3	228.1	239.9	241.9	231.8	215.0	194.5	178.0	175.4
92.5°	156.9	158.6	172.0	184.8	195.8	196.2	189.1	172.0	153.9	139.1	135.7
95°	126.0	127.3	138.1	149.8	158.9	160.9	152.8	137.7	120.9	108.2	107.5
97.5°	100.4	102.1	110.5	123.0	129.7	131.0	125.6	111.5	96.1	84.7	84.7
100°	80.6	81.6	89.0	99.4	106.5	107.8	102.5	90.0	76.6	66.5	65.8
102.5°	65.5	66.2	72.2	81.6	88.0	89.4	84.7	74.6	61.5	53.4	53.1
105°	53.7	54.1	58.8	67.5	73.6	74.6	70.2	61.5	49.7	43.0	42.7
107.5°	44.0	44.3	48.0	56.1	61.8	62.8	59.1	50.4	40.3	35.6	34.9
110°	37.0	37.3	40.0	46.4	52.1	53.4	49.7	42.0	33.3	29.2	29.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	31.2	31.6	33.6	39.0	44.0	45.7	42.0	34.9	27.9	24.9	24.5
115°	26.5	26.9	28.2	32.9	37.0	38.3	35.6	29.2	23.5	21.2	21.2
117.5°	23.2	23.5	24.2	27.9	31.6	32.6	29.9	24.5	19.8	18.5	18.5
120°	20.5	20.5	20.8	23.5	26.5	27.5	25.2	20.8	17.1	16.1	16.1
122.5°	17.8	17.8	18.1	20.2	22.5	23.2	21.2	17.5	14.8	14.4	14.1
125°	15.8	15.8	15.8	17.1	19.1	19.5	17.8	14.8	13.1	12.8	12.8
127.5°	13.8	13.8	13.8	14.4	15.8	16.1	14.8	12.4	11.4	11.1	11.1
130°	12.1	12.1	12.1	12.4	13.1	13.4	12.1	10.7	10.1	10.1	10.1
132.5°	10.7	10.7	10.4	10.4	10.7	10.7	10.1	9.1	8.7	8.7	8.7
135°	9.4	9.4	9.1	8.7	8.7	8.4	7.7	7.4	7.7	7.7	7.7
137.5°	8.1	8.1	7.7	7.4	7.1	6.7	6.4	6.0	6.4	6.7	6.7
140°	6.7	6.7	6.4	5.7	5.4	5.0	4.7	5.0	5.4	5.7	5.7
142.5°	5.4	5.4	5.4	4.7	4.0	3.7	3.7	4.0	4.4	4.7	4.7
145°	4.4	4.4	4.0	3.7	3.0	2.7	2.7	3.0	3.7	3.7	3.7
147.5°	3.4	3.4	3.0	2.7	2.0	1.7	2.0	2.4	2.7	3.0	3.0
150°	2.4	2.4	2.4	2.0	1.3	1.3	1.3	1.7	2.0	2.0	2.0
152.5°	1.3	1.3	1.3	1.3	1.0	0.7	1.0	1.3	1.3	1.3	1.3
155°	1.0	1.0	1.0	1.0	0.7	0.7	0.7	1.0	1.0	1.0	1.0
157.5°	0.3	0.3	0.3	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
160°	0.0	0.0	0.3	0.3	0.7	0.7	0.7	0.7	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)