

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: P414190

Luminaire Tested: **LXF.LXT-PA1-20-730-U-5WQ-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414190
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-PA1-20-730-U-5WQ-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 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: 2462 lumens
Efficiency: N/A
Efficacy: 117.2 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

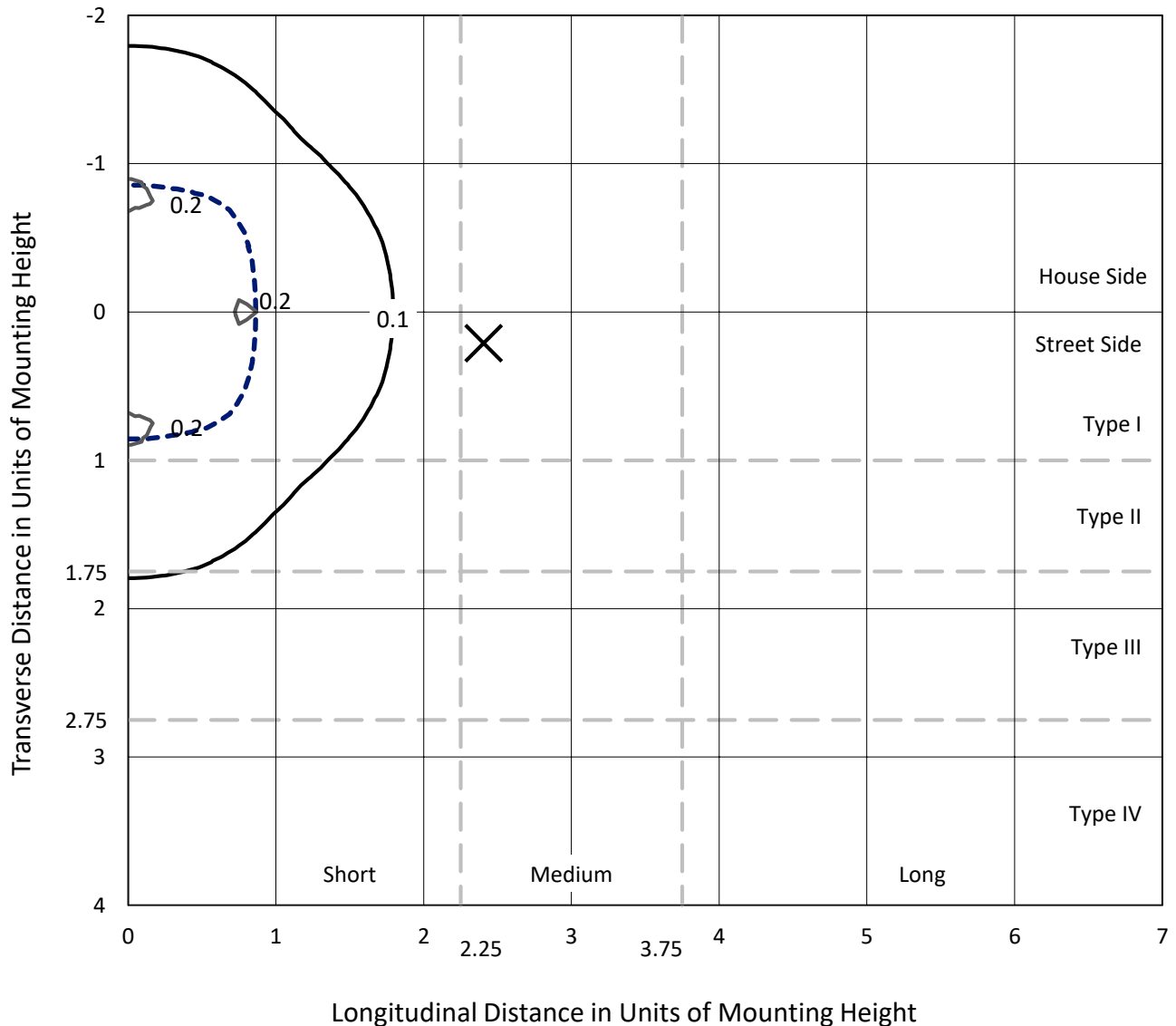
Input Watts (W): 21
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

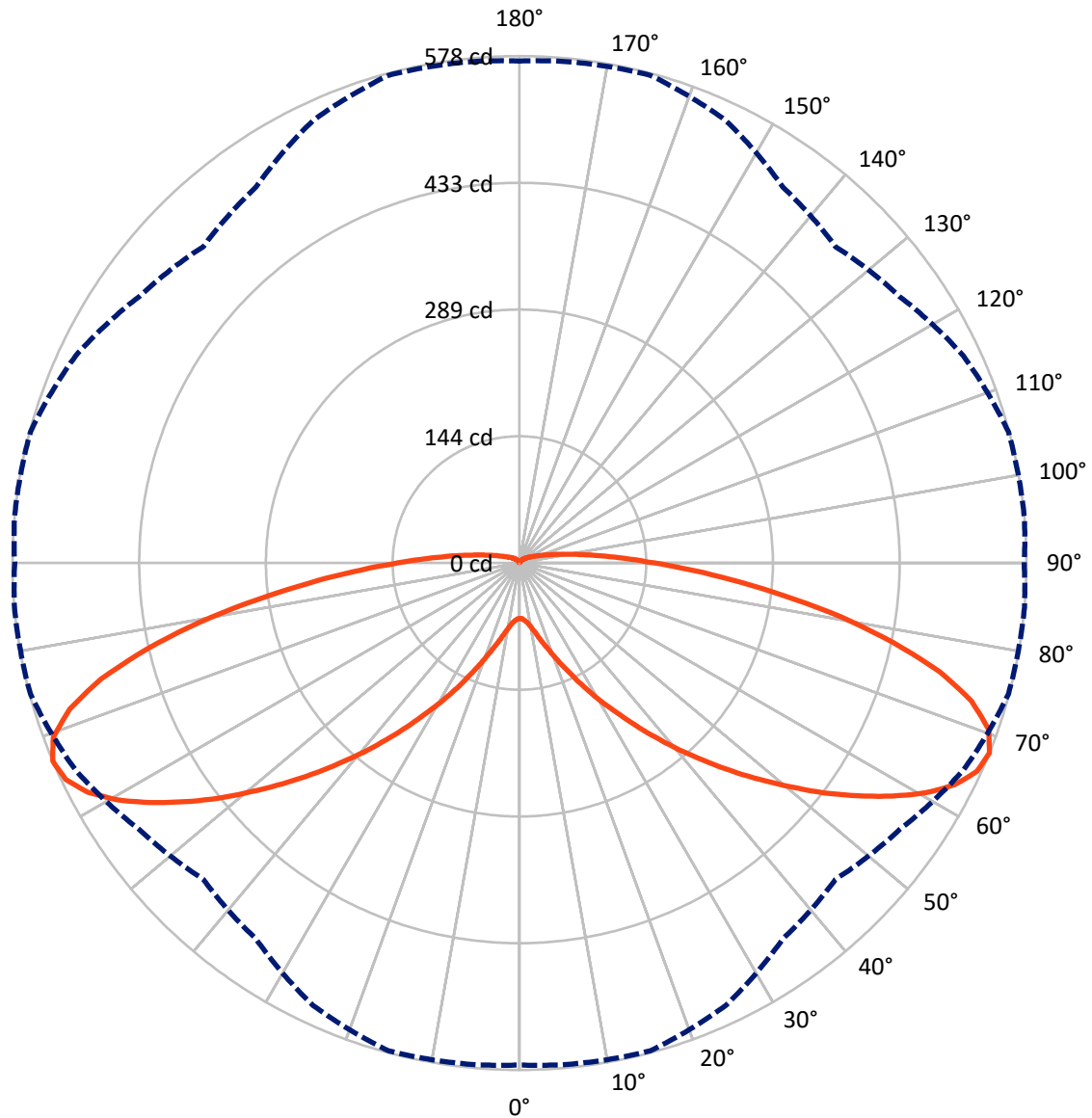
× Max cd
 - - - 1/2 Max cd



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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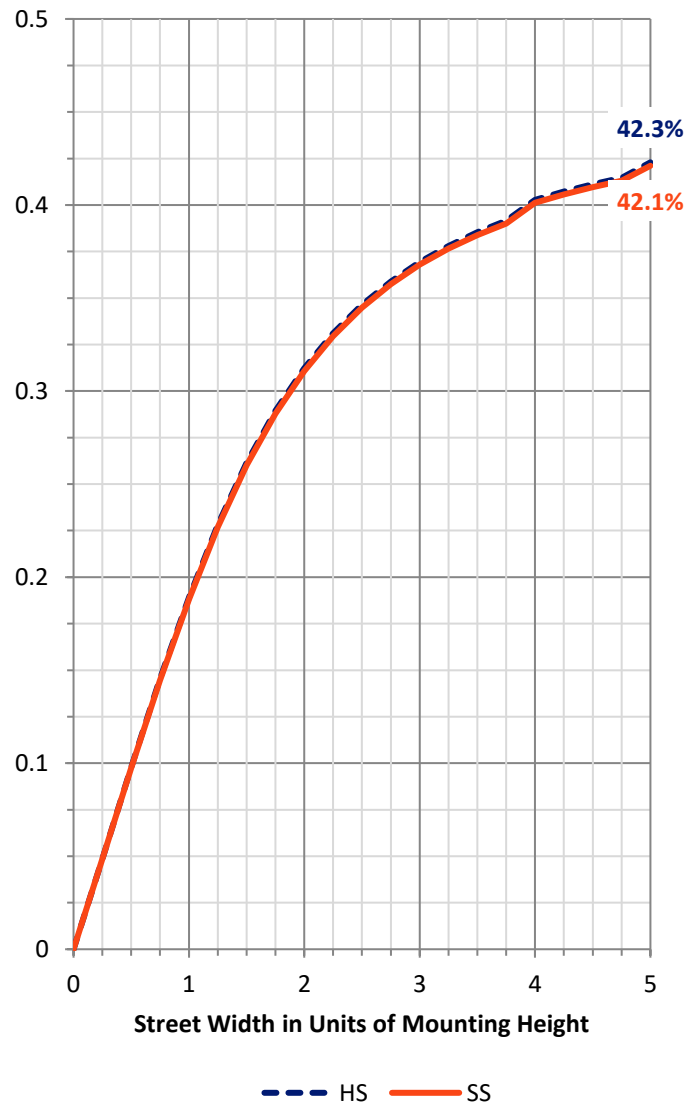
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1116.4	114.6	1231.0
	% Fixture	45.3	4.7	50.0
Street Side	Lumens	1116.4	114.6	1231.0
	% Fixture	45.3	4.7	50.0
Total	Lumens	2232.8	229.2	2462.0
	% Fixture	90.7	9.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.6	0.3
10°-20°	26.8	1.1
20°-30°	67.7	2.7
30°-40°	139.3	5.7
40°-50°	250.4	10.2
50°-60°	400.3	16.3
60°-70°	535.5	21.8
70°-80°	507.5	20.6
80°-90°	298.9	12.1
90°-100°	129.1	5.2
100°-110°	55.0	2.2
110°-120°	25.3	1.0
120°-130°	12.1	0.5
130°-140°	5.4	0.2
140°-150°	1.8	0.1
150°-160°	0.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2232.8	90.7
0°-180°	2462.0	100.0



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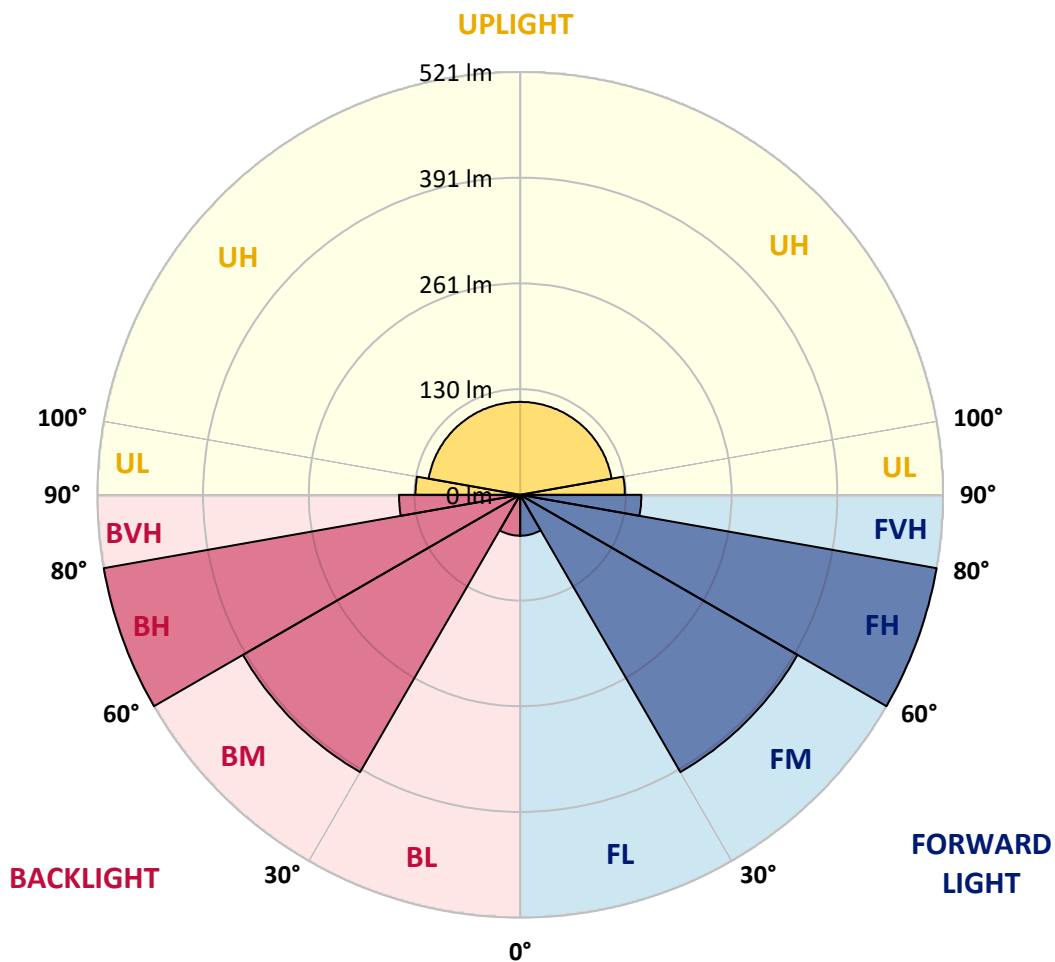
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	50.5	2.1			
FM	(30°-60°)	395.0	16.0			
FH	(60°-80°)	521.5	21.2			G0/660
FVH	(80°-90°)	149.4	6.1			G2/225
BL	(0°-30°)	50.5	2.1	B0/110		
BM	(30°-60°)	395.0	16.0	B1/1000		
BH	(60°-80°)	521.5	21.2	B2/1000		G0/660
BVH	(80°-90°)	149.4	6.1			G2/225
UL	(90°-100°)	129.1	5.2		U3/500	
UH	(100°-180°)	114.6	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°	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
2.5°	63.7	63.4	63.7	63.7	64.0	64.0	64.0	64.0	63.7	63.7	63.7
5°	65.9	65.9	65.9	65.9	66.2	66.2	66.2	65.9	65.9	65.9	65.9
7.5°	70.0	69.7	70.0	69.7	69.7	69.4	69.7	69.4	69.2	69.2	69.2
10°	75.2	75.2	75.2	74.9	74.9	74.9	74.4	74.4	74.4	74.7	74.4
12.5°	83.7	83.2	83.2	82.1	81.5	81.3	81.0	81.0	81.8	81.8	81.3
15°	93.6	93.3	93.3	92.0	90.9	89.2	89.5	90.6	90.6	91.1	90.9
17.5°	105.4	105.1	104.3	102.9	101.6	100.5	99.9	100.5	101.0	101.3	101.6
20°	118.3	118.0	116.9	115.6	114.2	113.6	111.7	112.5	113.1	113.6	113.4
22.5°	132.0	132.0	130.9	129.0	127.6	126.5	125.7	124.9	126.8	127.9	128.2
25°	148.8	148.2	146.3	144.1	142.5	141.6	140.5	140.5	141.9	144.1	144.7
27.5°	166.3	165.8	163.1	160.6	158.4	156.5	155.9	156.7	159.2	162.5	162.5
30°	185.8	184.7	182.3	178.4	174.9	172.9	173.5	174.9	178.4	182.3	182.0
32.5°	207.2	205.3	202.6	198.2	193.0	190.2	191.1	194.9	198.5	202.6	203.1
35°	230.0	229.8	225.4	219.6	213.0	208.6	210.3	215.5	221.0	226.7	227.6
37.5°	253.4	254.2	249.0	242.7	233.0	227.8	231.4	238.8	245.7	252.0	252.5
40°	281.9	281.1	275.9	266.5	255.0	249.2	252.3	262.7	271.5	279.4	280.0
42.5°	311.3	309.1	304.7	293.4	278.1	272.9	277.2	289.0	300.9	307.4	307.7
45°	339.0	339.8	334.9	321.4	304.4	296.5	302.8	316.8	330.5	337.6	338.5
47.5°	373.9	371.7	367.3	350.0	330.8	322.8	329.9	347.0	362.1	368.7	368.4
50°	407.9	406.5	400.2	382.1	360.4	350.8	357.9	378.8	395.3	401.0	402.4
52.5°	440.3	439.7	434.3	414.2	390.9	379.1	389.0	410.6	429.6	435.4	435.9
55°	473.5	471.9	467.7	446.9	420.3	407.1	419.4	443.6	463.1	468.6	468.8
57.5°	503.2	504.3	501.0	479.0	448.3	435.6	449.4	476.3	496.0	501.2	502.1
60°	532.8	533.1	530.6	509.2	476.5	462.3	478.2	506.2	527.3	532.0	532.3
62.5°	556.1	556.7	554.8	531.4	498.8	485.0	502.6	531.7	553.4	556.7	556.4
65°	570.4	572.1	571.0	549.8	515.0	502.3	520.7	551.2	571.0	572.9	572.1
67.5°	572.1	574.0	575.6	556.4	523.2	509.7	529.2	558.3	577.0	577.8	575.3
70°	560.0	561.9	565.7	549.8	519.1	507.8	526.5	552.6	568.2	567.1	564.4
72.5°	529.0	533.1	538.8	528.1	502.3	493.0	511.4	532.3	543.0	538.8	535.0
75°	484.5	488.6	499.6	493.5	473.8	468.6	482.3	497.9	501.0	494.9	489.7
77.5°	430.4	435.6	445.8	450.5	437.3	432.1	443.6	451.8	448.5	435.4	431.5
80°	367.3	375.5	386.2	393.6	390.3	388.7	394.5	393.6	381.6	371.1	364.5
82.5°	309.6	311.3	327.8	337.1	338.2	338.7	340.4	330.5	316.5	302.5	296.5
85°	253.1	253.6	267.4	280.8	286.0	287.7	284.7	271.5	256.9	241.3	237.2
87.5°	202.9	203.7	215.8	229.5	238.5	239.6	233.9	221.0	202.9	188.9	185.3
90°	160.3	163.1	175.1	186.4	196.0	197.6	189.4	175.7	158.9	145.5	143.3
92.5°	128.2	129.6	140.5	151.0	160.0	160.3	154.5	140.5	125.7	113.6	110.9
95°	102.9	104.0	112.8	122.4	129.8	131.5	124.9	112.5	98.8	88.4	87.8
97.5°	82.1	83.4	90.3	100.5	106.0	107.1	102.7	91.1	78.5	69.2	69.2
100°	65.9	66.7	72.7	81.3	87.0	88.1	83.7	73.6	62.6	54.4	53.8
102.5°	53.5	54.1	59.0	66.7	71.9	73.0	69.2	60.9	50.2	43.6	43.4
105°	43.9	44.2	48.0	55.2	60.1	60.9	57.4	50.2	40.6	35.1	34.9
107.5°	36.0	36.2	39.3	45.8	50.5	51.3	48.3	41.2	32.9	29.1	28.5
110°	30.2	30.5	32.7	37.9	42.5	43.6	40.6	34.3	27.2	23.9	23.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	25.5	25.8	27.4	31.8	36.0	37.3	34.3	28.5	22.8	20.3	20.0
115°	21.7	22.0	23.1	26.9	30.2	31.3	29.1	23.9	19.2	17.3	17.3
117.5°	18.9	19.2	19.8	22.8	25.8	26.6	24.4	20.0	16.2	15.1	15.1
120°	16.7	16.7	17.0	19.2	21.7	22.5	20.6	17.0	14.0	13.2	13.2
122.5°	14.5	14.5	14.8	16.5	18.4	18.9	17.3	14.3	12.1	11.8	11.5
125°	12.9	12.9	12.9	14.0	15.6	15.9	14.5	12.1	10.7	10.4	10.4
127.5°	11.3	11.3	11.3	11.8	12.9	13.2	12.1	10.2	9.3	9.1	9.1
130°	9.9	9.9	9.9	10.2	10.7	11.0	9.9	8.8	8.2	8.2	8.2
132.5°	8.8	8.8	8.5	8.5	8.8	8.8	8.2	7.4	7.1	7.1	7.1
135°	7.7	7.7	7.4	7.1	7.1	6.9	6.3	6.0	6.3	6.3	6.3
137.5°	6.6	6.6	6.3	6.0	5.8	5.5	5.2	4.9	5.2	5.5	5.5
140°	5.5	5.5	5.2	4.7	4.4	4.1	3.8	4.1	4.4	4.7	4.7
142.5°	4.4	4.4	4.4	3.8	3.3	3.0	3.0	3.3	3.6	3.8	3.8
145°	3.6	3.6	3.3	3.0	2.5	2.2	2.2	2.5	3.0	3.0	3.0
147.5°	2.7	2.7	2.5	2.2	1.6	1.4	1.6	1.9	2.2	2.5	2.5
150°	1.9	1.9	1.9	1.6	1.1	1.1	1.1	1.4	1.6	1.6	1.6
152.5°	1.1	1.1	1.1	1.1	0.8	0.5	0.8	1.1	1.1	1.1	1.1
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)