

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: P414407

Luminaire Tested: **LXF.LXT-PA1-20-827-U-SL3-HSS**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414407
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2002-662-6)
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-SL3-HSS
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1707 lumens
Efficiency: N/A
Efficacy: 81.3 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type III - Medium - Non-Cutoff
BUG Rating: B0 - U0 - G1

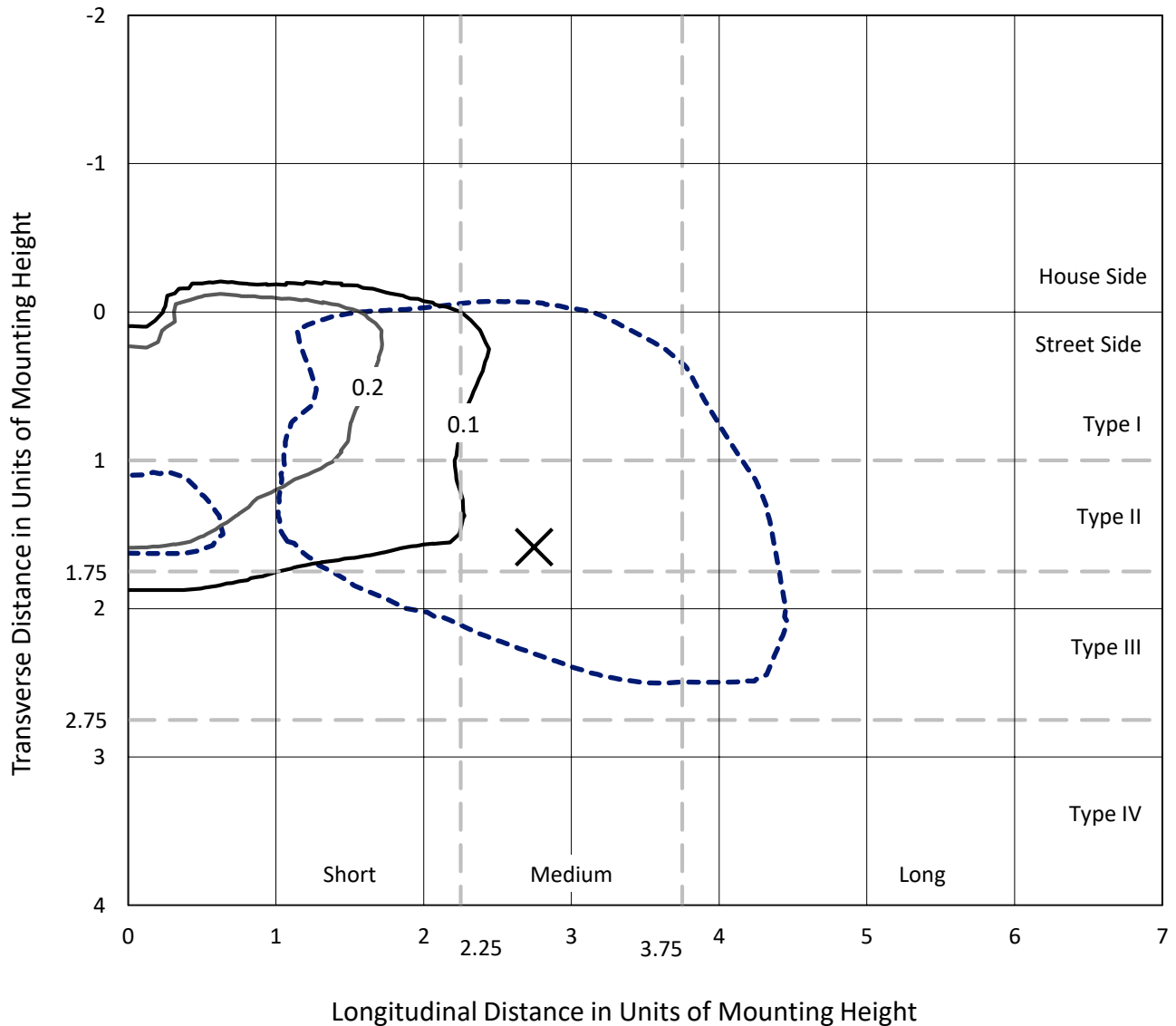
Input Watts (W): 21
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

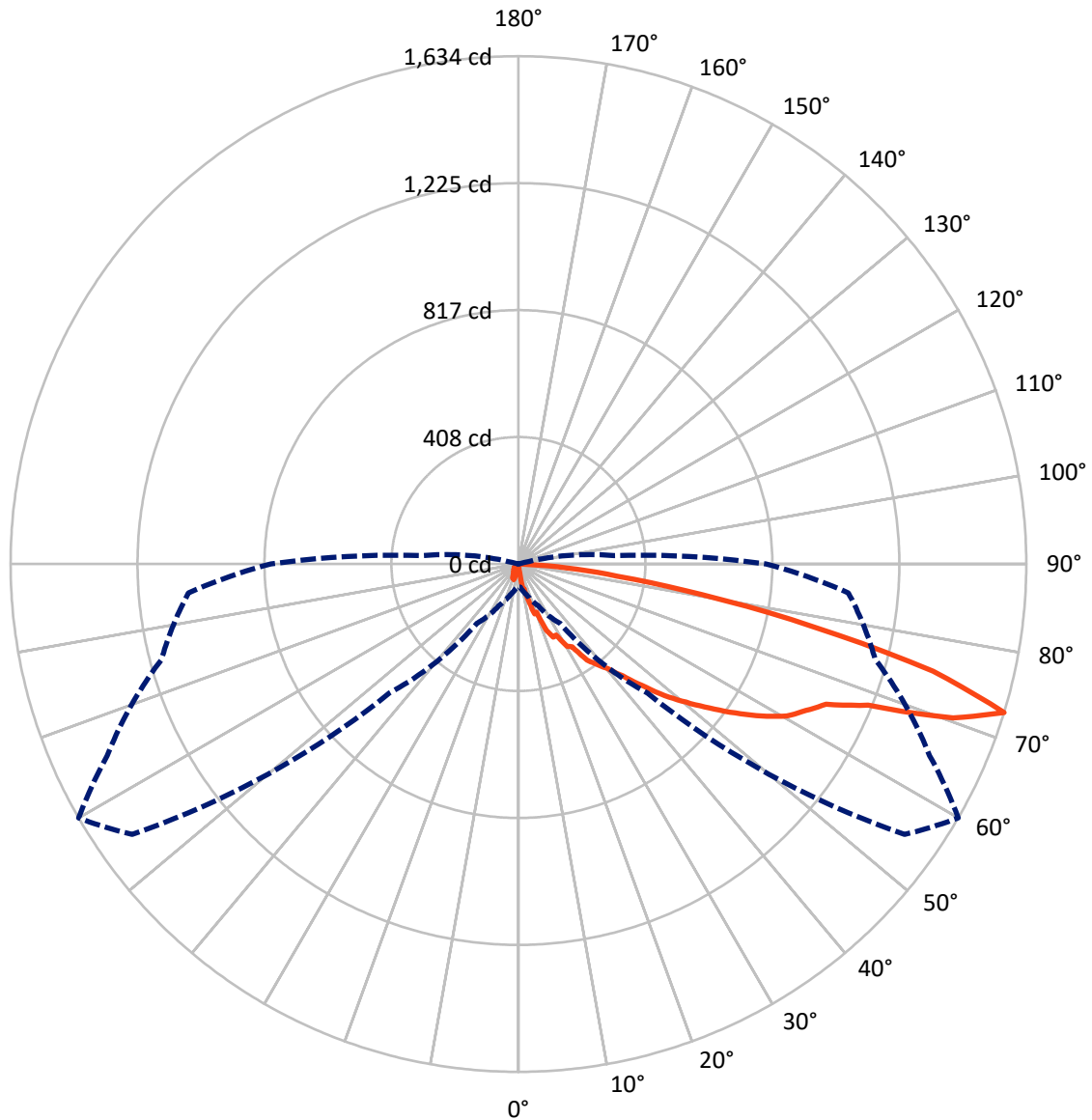
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.5 fc
 Type III - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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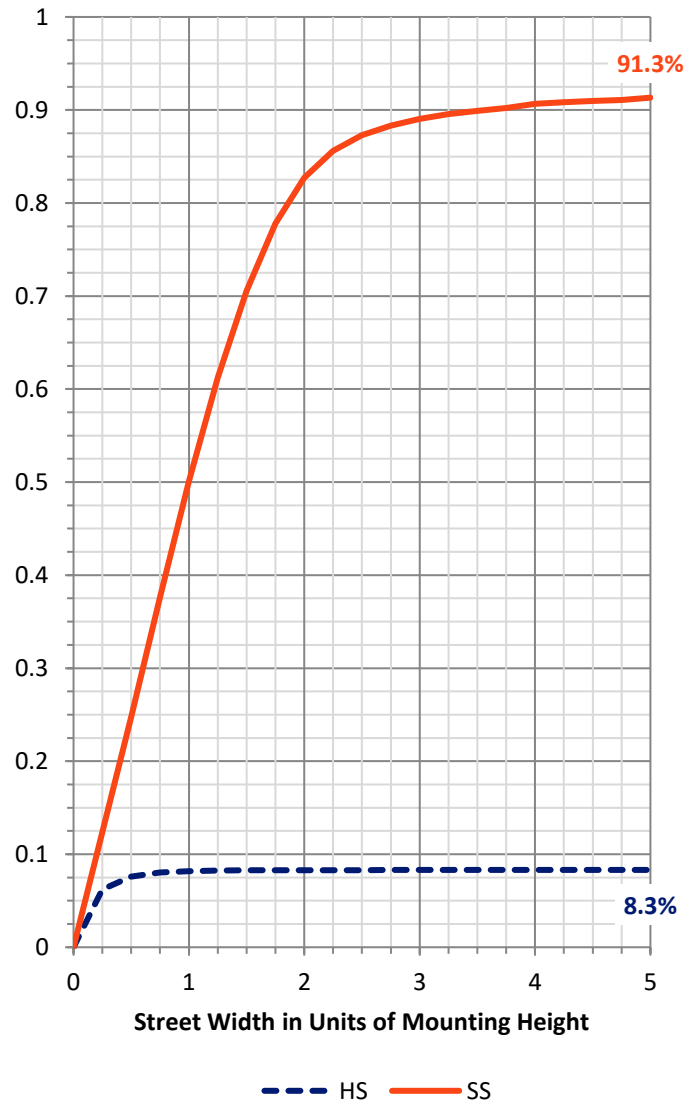
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	143.2	0.0	143.2
	% Fixture	8.4	0.0	8.4
Street Side	Lumens	1563.8	0.0	1563.8
	% Fixture	91.6	0.0	91.6
Total	Lumens	1707.0	0.0	1707.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.3	0.1
10°-20°	23.8	1.4
20°-30°	74.3	4.4
30°-40°	160.3	9.4
40°-50°	272.5	16.0
50°-60°	402.9	23.6
60°-70°	438.3	25.7
70°-80°	298.7	17.5
80°-90°	33.9	2.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	1707.0	100.0
0°-180°	1707.0	100.0



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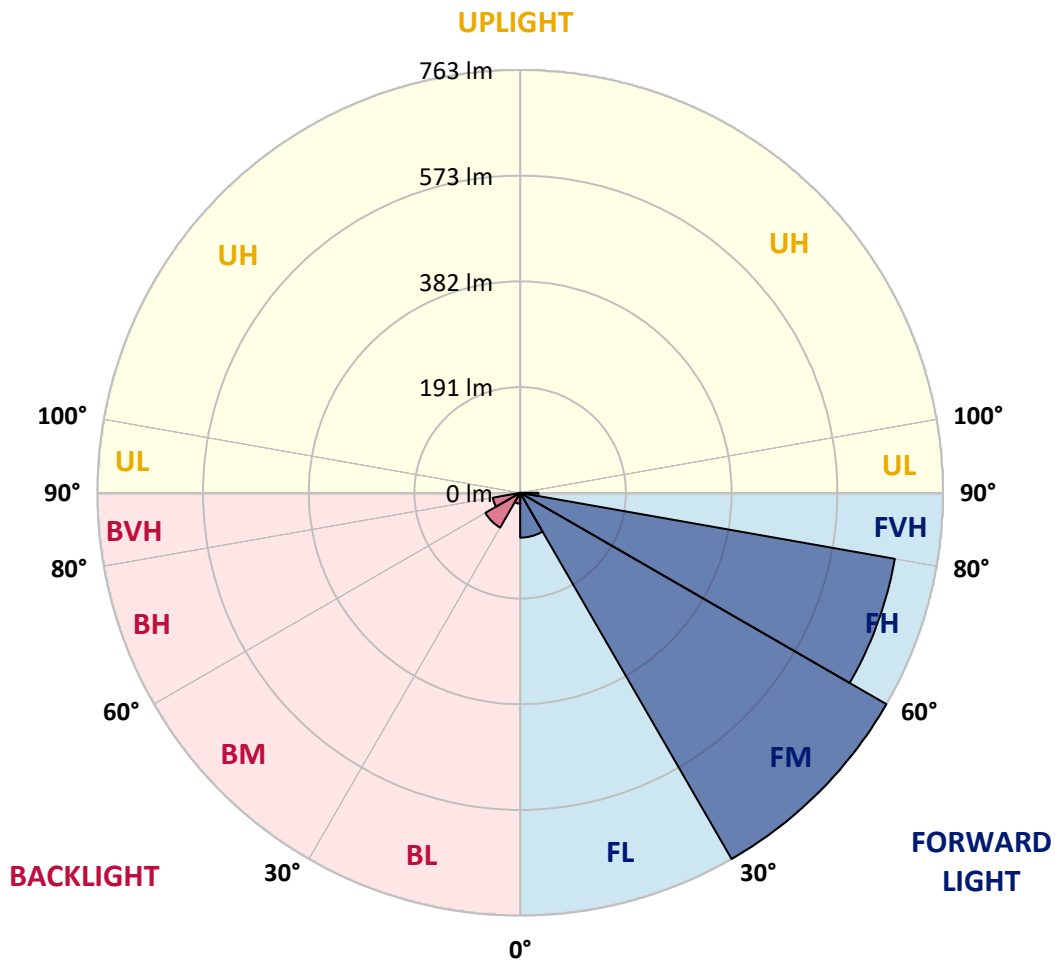
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	80.8	4.7			
FM	(30°-60°)	763.3	44.7			
FH	(60°-80°)	686.8	40.2			G1/1800
FVH	(80°-90°)	32.9	1.9			G1/100
BL	(0°-30°)	19.6	1.1	B0/110		
BM	(30°-60°)	72.4	4.2	B0/220		
BH	(60°-80°)	50.2	2.9	B0/110		G0/110
BVH	(80°-90°)	1.0	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
2.5°	1.6	1.1	1.1	0.9	0.7	0.7	0.7	0.9	0.9	0.7	0.9
5°	87.3	86.2	86.2	86.6	56.3	9.5	5.3	2.2	0.9	0.9	0.9
7.5°	82.9	82.0	82.4	83.5	84.2	85.3	85.3	26.2	8.4	0.9	0.9
10°	84.9	84.2	80.7	80.0	81.3	82.4	82.9	84.9	82.4	2.4	0.9
12.5°	149.4	148.3	148.3	150.3	87.3	79.8	80.7	82.7	71.4	9.3	5.1
15°	142.9	142.1	142.3	144.7	148.0	105.0	82.9	122.8	157.6	142.3	113.0
17.5°	199.4	171.7	148.5	141.4	142.1	146.7	160.7	168.9	160.2	162.0	123.2
20°	203.7	202.1	201.2	202.8	145.4	193.5	204.3	165.8	161.3	173.5	227.4
22.5°	210.8	207.2	200.1	199.2	223.8	190.6	197.9	231.8	238.0	254.2	236.7
25°	285.4	282.8	275.5	209.6	229.6	219.0	249.5	260.8	257.1	267.7	256.6
27.5°	313.6	308.5	292.7	272.1	243.8	258.2	252.4	258.6	283.9	368.8	361.9
30°	439.5	425.9	382.5	313.4	289.9	268.8	293.6	306.7	328.0	377.4	371.0
32.5°	477.6	463.2	431.7	398.9	343.5	304.7	323.1	317.3	332.6	460.5	487.1
35°	588.6	582.0	525.2	434.1	420.0	359.5	339.3	379.0	401.6	466.9	511.9
37.5°	589.9	590.4	587.0	525.4	460.5	404.0	407.8	409.3	426.8	497.5	540.7
40°	608.8	611.9	620.1	573.5	518.8	468.5	458.5	443.0	458.5	531.9	580.2
42.5°	648.2	650.4	668.6	620.1	564.9	518.8	523.9	492.2	503.5	596.8	633.8
45°	717.6	716.2	739.1	669.0	607.9	576.2	582.0	557.6	550.7	650.0	696.7
47.5°	796.0	800.9	800.0	723.1	650.7	629.6	646.2	633.1	606.1	717.8	770.1
50°	870.3	868.7	845.7	753.7	688.8	681.9	720.2	698.7	674.1	786.7	840.8
52.5°	897.3	898.6	871.2	772.1	721.3	733.8	791.2	769.4	737.5	835.9	911.0
55°	892.4	894.2	878.7	790.9	745.7	782.3	864.7	846.1	810.2	889.3	963.8
57.5°	846.8	846.8	859.4	802.7	769.4	825.7	930.3	922.8	878.5	933.6	995.3
60°	730.2	742.6	782.3	788.5	797.4	872.7	995.3	992.8	939.0	975.1	1013.9
62.5°	561.6	565.6	653.3	719.8	799.6	935.9	1050.0	1038.2	983.7	987.7	1026.9
65°	318.5	336.6	417.7	585.7	754.1	1001.9	1138.0	1087.7	1023.0	1002.8	1075.0
67.5°	171.5	178.2	223.4	354.6	618.1	1009.2	1337.4	1213.1	1116.0	1082.1	1169.2
70°	110.8	117.9	142.3	194.8	387.6	892.4	1525.1	1483.2	1308.2	1190.7	1183.6
72.5°	72.0	76.2	102.6	146.7	233.1	587.9	1516.5	1633.9	1460.0	1188.7	1065.5
75°	29.3	32.1	51.4	122.1	197.0	288.1	1163.5	1377.8	1370.7	1056.4	824.6
77.5°	14.6	15.5	22.8	66.0	174.9	199.4	736.2	971.8	975.8	770.1	458.5
80°	9.5	9.3	13.1	31.0	119.2	181.5	411.8	597.0	558.2	292.1	128.5
82.5°	3.8	4.0	7.1	17.7	49.9	164.2	234.9	321.3	251.3	57.0	37.0
85°	0.7	0.7	2.2	9.5	15.7	75.1	151.6	155.6	103.3	18.0	18.6
87.5°	0.2	0.2	0.4	0.7	1.1	1.8	6.6	3.1	2.0	3.1	3.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
2.5°	0.9	0.9	0.9	0.7	0.7	0.4	0.0	0.0	0.2	0.2	0.2
5°	0.9	0.9	0.9	0.7	0.7	0.2	0.0	0.0	0.2	0.2	0.2
7.5°	0.9	0.9	0.9	0.7	0.4	0.2	0.0	0.0	0.2	0.2	0.2
10°	0.9	0.9	0.9	0.7	0.4	0.2	6.4	41.0	42.3	42.5	42.1
12.5°	5.5	5.8	3.1	0.7	0.4	38.1	37.9	31.7	27.7	26.2	24.2
15°	120.3	114.4	94.6	55.8	30.8	31.2	23.0	17.1	13.7	12.9	12.4
17.5°	119.2	110.6	87.1	51.0	53.6	23.5	12.4	13.7	18.0	18.2	18.2
20°	224.0	196.6	85.1	57.0	36.1	20.4	16.2	17.1	17.1	17.3	17.1
22.5°	233.6	206.1	127.4	72.7	25.9	21.5	18.4	16.0	16.4	21.3	20.6
25°	235.6	202.1	118.1	57.0	25.0	21.5	20.2	19.5	21.9	21.9	22.2
27.5°	339.5	284.1	143.2	42.8	24.8	22.4	22.4	20.4	19.7	19.5	19.7
30°	338.8	274.4	122.1	36.1	23.9	22.2	20.2	18.2	21.9	22.2	22.2
32.5°	444.8	350.8	118.1	29.3	23.9	20.4	17.7	18.8	17.5	17.5	17.5
35°	451.0	341.9	93.1	30.4	21.3	18.6	17.3	14.6	15.5	15.7	15.3
37.5°	462.9	335.7	70.7	27.5	21.3	17.3	14.2	13.1	12.2	12.0	12.0
40°	484.4	336.2	54.5	25.3	19.9	15.7	12.6	10.6	11.1	11.1	10.9
42.5°	516.6	342.6	42.8	23.3	18.0	14.0	10.6	9.5	8.9	8.9	8.6
45°	559.1	356.4	35.0	21.7	16.4	12.0	8.6	7.8	7.1	7.1	6.9
47.5°	611.9	375.6	30.6	20.2	14.6	10.0	7.1	6.2	5.8	5.5	5.5
50°	668.2	398.7	28.1	18.8	12.6	8.0	5.8	4.9	4.4	4.4	4.2
52.5°	726.4	425.1	26.2	18.0	10.9	6.6	4.4	3.5	3.3	3.1	3.3
55°	773.6	441.0	24.8	17.7	9.1	5.3	3.3	2.7	2.4	2.2	2.2
57.5°	804.7	449.6	23.0	16.4	7.3	4.0	2.4	1.8	1.6	1.6	1.6
60°	829.0	454.5	20.8	13.1	5.8	2.9	1.6	1.1	1.1	1.1	1.1
62.5°	848.3	457.8	17.5	10.2	4.4	2.0	1.1	0.7	0.7	0.7	0.7
65°	905.5	477.4	13.5	7.8	3.3	1.3	0.7	0.4	0.2	0.4	0.4
67.5°	975.1	485.5	10.0	5.5	2.4	0.9	0.4	0.2	0.2	0.2	0.4
70°	947.6	423.1	7.3	4.0	1.8	0.7	0.4	0.2	0.2	0.2	0.4
72.5°	796.2	309.1	5.3	2.9	1.3	0.7	0.4	0.2	0.2	0.4	0.4
75°	572.6	174.4	4.2	2.0	1.1	0.7	0.4	0.4	0.4	0.7	0.7
77.5°	269.5	64.9	4.2	1.8	1.1	0.7	0.4	0.4	0.7	0.9	0.4
80°	65.4	16.2	4.2	1.6	1.1	0.7	0.7	0.7	0.9	0.9	0.4
82.5°	21.9	6.9	3.1	1.3	1.1	0.7	0.7	0.9	0.9	1.1	0.7
85°	13.3	4.4	2.2	1.6	1.3	0.7	0.9	0.9	1.1	1.3	0.7
87.5°	2.2	1.8	1.6	1.6	1.3	0.9	0.9	1.1	1.1	1.3	0.9
90°	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)