

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: P414434

Luminaire Tested: **LXF.LXT-PA1-20-827-U-T3-HSS**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P414434  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-26)  
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-T3-HSS  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 2700K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS  
WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1559 lumens  
Efficiency: N/A  
Efficacy: 74.2 lumens/watt  
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')  
IES Classification: Type IV - 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

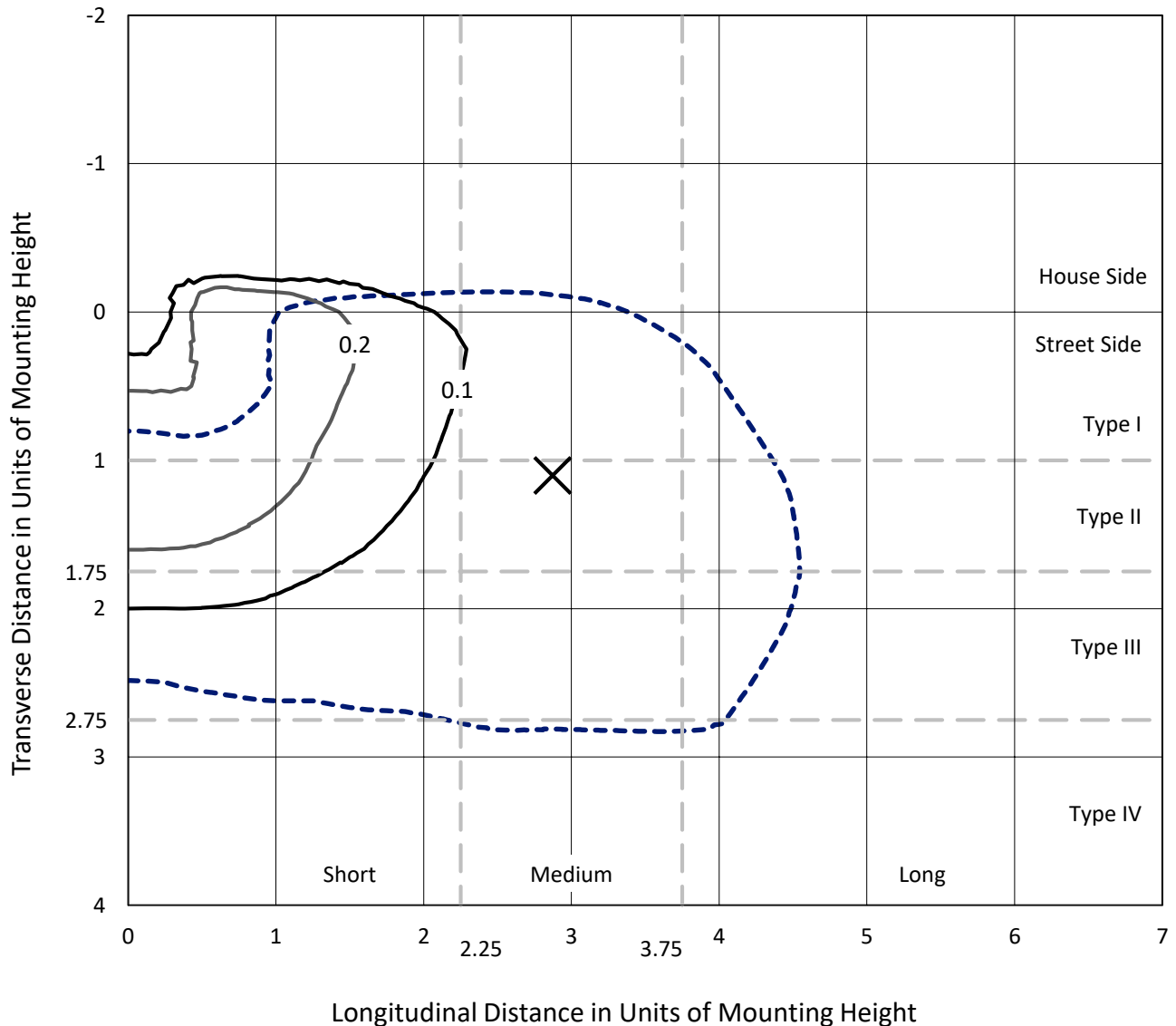


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

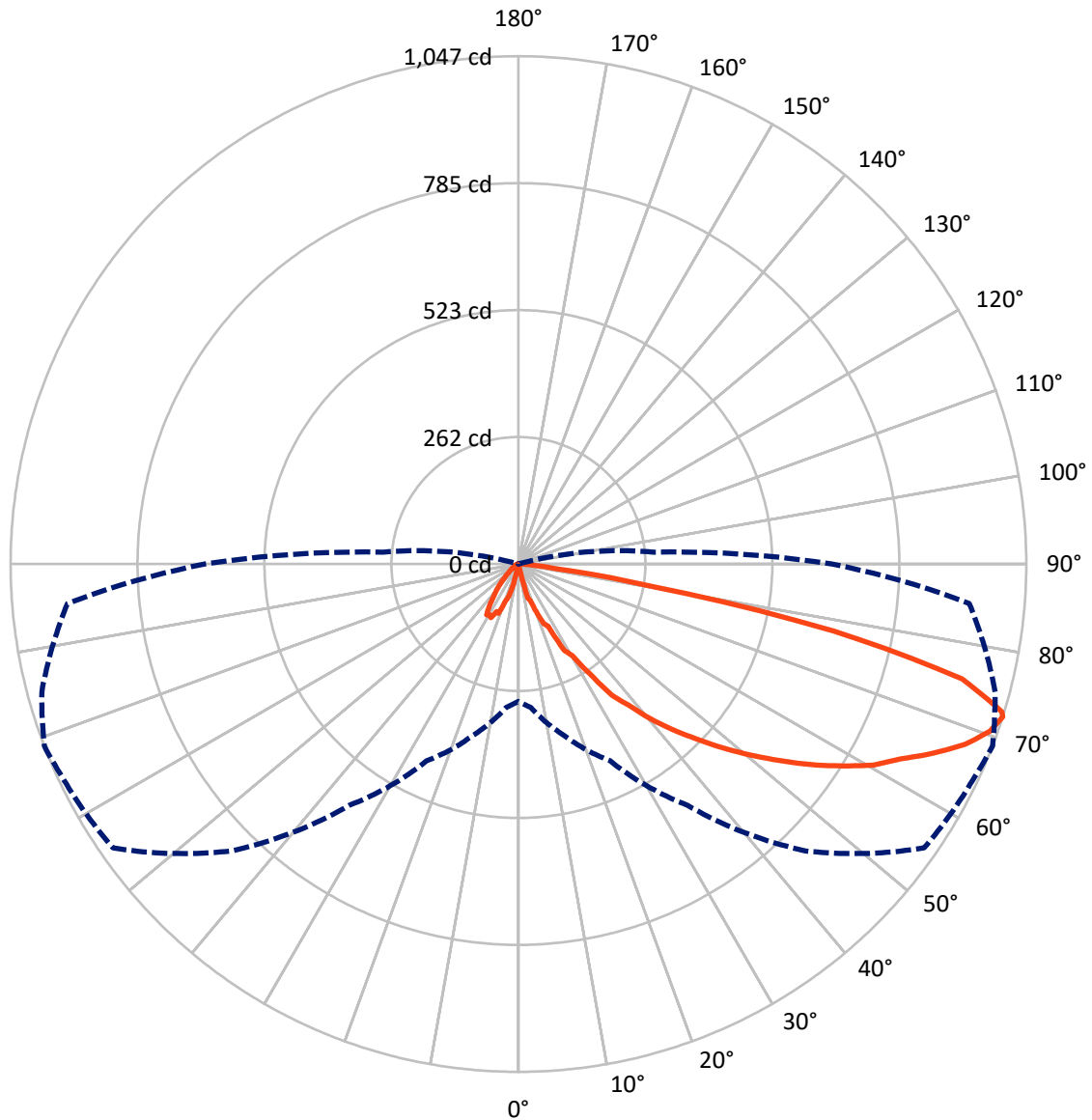


Based on 25 foot mounting height. Maximum calculated value = 0.4 fc  
 Type IV - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 69-Deg Lateral      - - - Horizontal Cone Through 72-Deg Vertical

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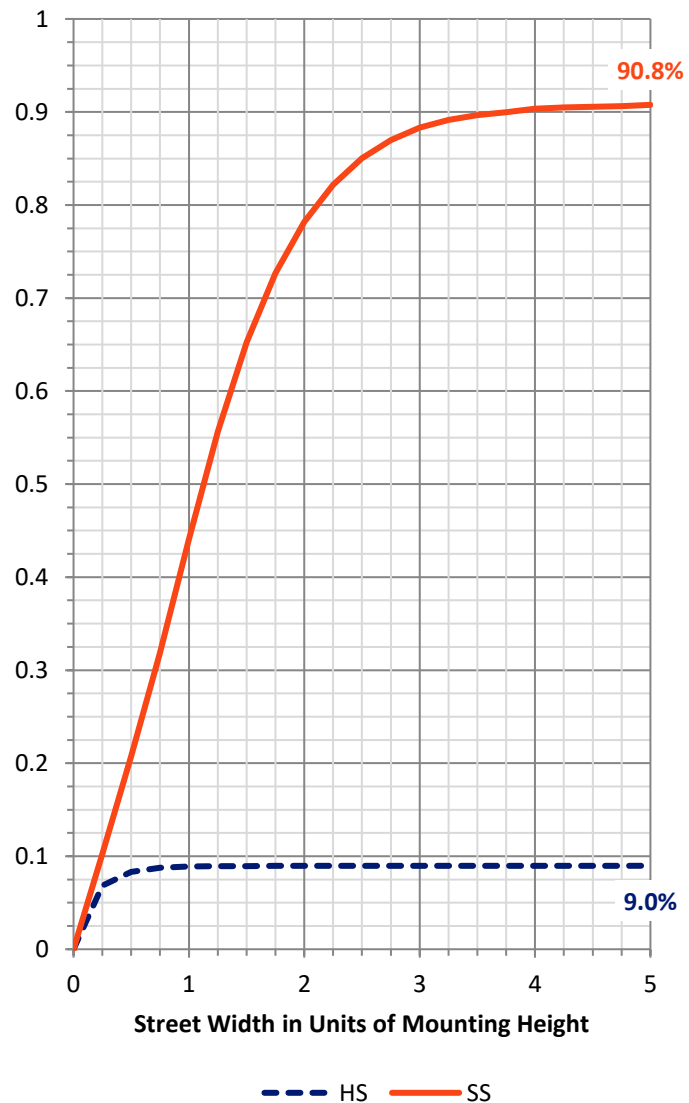
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	141.4	0.0	141.4
	% Fixture	9.1	0.0	9.1
<b>Street Side</b>	Lumens	1417.6	0.0	1417.6
	% Fixture	90.9	0.0	90.9
<b>Total</b>	Lumens	1559.0	0.0	1559.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1.0	0.1
10°-20°	13.5	0.9
20°-30°	48.6	3.1
30°-40°	124.0	8.0
40°-50°	245.4	15.7
50°-60°	386.7	24.8
60°-70°	449.8	28.9
70°-80°	273.0	17.5
80°-90°	16.9	1.1
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°	1559.0	100.0
0°-180°	1559.0	100.0



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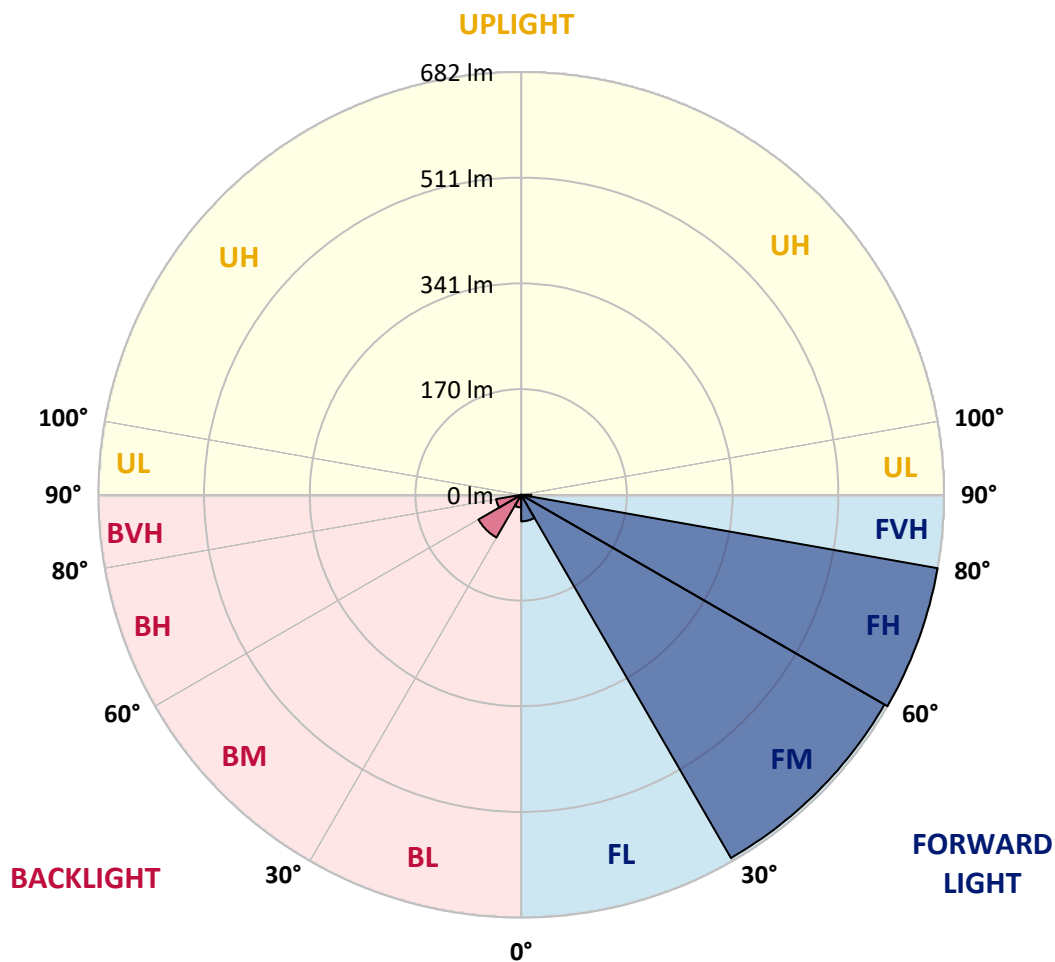
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	42.8	2.7			
FM	(30°-60°)	676.6	43.4			
FH	(60°-80°)	682.0	43.7			G1/1800
FVH	(80°-90°)	16.3	1.0			G1/100
BL	(0°-30°)	20.3	1.3	B0/110		
BM	(30°-60°)	79.6	5.1	B0/220		
BH	(60°-80°)	40.9	2.6	B0/110		G0/110
BVH	(80°-90°)	0.6	0.0			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 IV Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	69°	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°	0.2	0.2	0.2	0.2	0.4	0.4	0.7	0.7	0.7	0.7	0.7
5°	21.7	14.2	10.6	8.9	4.4	1.1	0.7	0.7	0.7	0.7	0.7
7.5°	33.5	33.5	33.7	33.9	34.6	29.0	6.2	0.7	0.7	0.7	0.7
10°	32.3	32.1	32.1	32.6	33.5	34.3	35.2	4.7	1.1	0.7	0.7
12.5°	63.1	62.5	58.0	40.5	33.2	33.7	35.4	27.0	7.5	4.4	25.5
15°	62.5	62.3	62.7	63.8	64.2	35.9	52.5	71.3	72.9	49.2	59.6
17.5°	68.2	66.2	63.1	63.6	65.6	77.1	74.2	77.3	78.9	55.2	64.5
20°	94.4	94.2	94.6	74.2	69.3	97.7	86.0	84.0	104.3	109.2	121.2
22.5°	96.4	95.9	96.6	98.8	111.0	102.1	124.5	127.4	133.4	147.5	138.5
25°	134.9	134.9	110.8	103.2	126.5	115.4	154.2	144.9	141.8	158.4	178.1
27.5°	162.8	161.1	155.3	144.2	131.6	163.3	164.2	198.1	200.9	221.1	224.9
30°	206.3	203.8	188.5	179.9	163.3	171.7	191.6	235.5	219.5	235.7	252.1
32.5°	305.3	301.7	282.5	226.6	205.8	186.1	229.7	252.8	268.5	312.4	330.3
35°	395.4	372.4	346.0	303.5	249.5	241.9	247.9	313.5	332.1	345.6	363.8
37.5°	486.3	486.7	460.4	357.1	315.3	279.4	298.9	350.3	369.1	389.0	405.4
40°	559.2	548.1	512.9	437.1	372.0	336.1	338.5	386.1	419.6	444.6	448.0
42.5°	652.2	647.6	595.7	510.2	445.3	410.3	399.7	423.1	467.4	484.1	494.3
45°	741.3	734.4	690.3	593.5	523.7	484.5	469.9	470.1	513.7	531.5	546.1
47.5°	808.0	796.9	773.2	670.2	622.3	565.6	535.2	523.7	566.3	589.3	597.5
50°	877.7	859.6	840.7	756.8	707.4	658.2	600.2	587.3	618.1	643.8	650.4
52.5°	924.5	898.1	885.1	818.6	783.6	752.3	665.1	650.7	672.6	702.9	697.6
55°	900.8	892.6	906.8	872.0	838.1	803.5	735.7	724.0	729.8	755.2	742.6
57.5°	851.4	853.8	895.7	902.3	887.0	854.5	799.1	797.1	785.4	806.2	789.8
60°	799.8	808.8	867.1	900.3	911.4	900.6	866.0	851.4	841.0	855.6	842.7
62.5°	730.6	732.4	810.6	882.6	902.1	936.4	912.7	905.7	884.2	905.9	900.6
65°	643.8	646.0	719.6	821.7	874.2	943.3	949.3	956.8	940.2	946.2	963.0
67.5°	546.8	551.0	615.2	713.8	814.2	929.8	979.6	994.0	992.7	990.9	1007.6
70°	442.6	445.5	497.8	584.2	717.1	892.6	1007.8	1026.2	1031.3	1018.9	1007.1
72°	283.1	297.1	366.2	447.7	607.0	836.1	1020.4	1037.9	1046.8	1017.1	932.9
72.5°	222.4	233.5	338.3	410.3	569.4	823.0	1018.0	1033.9	1042.1	1007.3	901.4
75°	47.9	49.2	105.9	199.4	359.1	630.5	933.6	935.6	944.4	877.7	617.2
77.5°	20.6	20.8	29.5	65.8	128.9	322.3	646.2	664.6	664.0	568.0	298.4
80°	14.4	14.8	17.5	30.1	61.4	93.3	315.7	317.7	273.4	203.2	74.4
82.5°	7.5	8.0	12.4	17.9	41.6	34.1	102.1	103.0	76.0	47.9	17.3
85°	1.3	2.0	6.0	10.9	16.2	13.7	22.4	28.1	24.4	19.1	7.3
87.5°	0.2	0.2	1.6	1.6	2.2	1.3	2.2	2.4	2.7	4.0	2.0
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°	0.7	0.7	0.7	0.7	0.4	0.2	0.0	0.0	0.0	0.0	0.0
5°	0.7	0.7	0.7	0.7	0.4	0.2	0.0	0.0	0.0	0.0	0.0
7.5°	0.7	0.7	0.7	0.7	0.4	0.2	0.0	20.4	27.5	29.2	31.2
10°	0.7	0.9	0.7	0.7	0.4	27.9	34.3	34.8	35.2	35.2	35.0
12.5°	28.1	28.8	10.2	2.0	25.9	35.4	33.7	30.8	28.1	27.2	27.0
15°	60.3	60.5	54.7	47.2	50.3	33.5	26.4	29.9	30.4	29.2	29.2
17.5°	64.9	64.9	62.0	75.8	63.6	33.5	27.7	22.8	19.5	18.6	18.4
20°	128.5	112.5	91.1	76.9	51.8	37.4	19.5	16.6	16.2	16.2	16.8
22.5°	138.7	136.7	118.5	103.7	44.5	26.4	19.1	19.1	22.6	22.2	21.9
25°	181.0	178.3	134.3	90.2	44.5	22.6	24.1	21.3	20.8	20.4	19.9
27.5°	228.9	223.3	188.8	81.5	31.5	23.7	23.0	20.2	23.9	23.9	23.7
30°	260.5	239.7	190.1	73.1	26.6	25.3	21.7	23.5	21.3	19.9	19.9
32.5°	337.6	328.1	232.4	51.6	25.3	22.8	22.8	20.2	17.9	18.6	18.4
35°	362.0	349.6	206.9	38.8	23.3	21.0	19.1	17.7	15.3	13.7	13.5
37.5°	392.1	376.0	173.7	29.9	22.8	18.6	15.7	13.5	11.7	11.7	11.5
40°	429.1	404.5	142.0	25.5	20.2	16.0	12.2	10.4	9.3	8.6	8.4
42.5°	469.7	431.6	109.2	23.0	17.5	13.1	9.1	7.5	6.9	6.6	6.6
45°	512.4	456.6	78.4	21.0	15.3	10.2	6.6	5.3	5.1	5.1	5.1
47.5°	556.1	474.8	53.4	19.1	12.8	7.5	4.9	4.0	4.0	3.8	3.8
50°	598.8	487.2	36.8	17.1	10.4	5.3	3.5	3.3	3.3	3.1	3.1
52.5°	629.8	484.3	27.5	14.8	8.2	4.0	2.9	2.7	2.7	2.7	2.7
55°	660.0	477.9	22.6	12.6	6.2	2.9	2.2	2.0	2.0	2.0	2.0
57.5°	691.0	469.2	19.5	10.2	4.4	2.2	1.6	1.6	1.6	1.6	1.6
60°	716.7	452.4	16.8	8.2	3.1	1.6	1.3	1.1	1.1	1.1	1.1
62.5°	745.3	435.3	14.4	6.2	2.2	1.1	0.9	0.7	0.7	0.4	0.7
65°	765.6	414.5	11.7	4.4	1.6	0.9	0.7	0.4	0.2	0.0	0.2
67.5°	765.2	386.8	8.4	2.9	1.1	0.7	0.4	0.2	0.0	0.0	0.0
70°	731.7	347.2	5.8	2.0	0.9	0.4	0.4	0.2	0.0	0.0	0.0
72°	645.8	280.0	4.4	1.8	0.9	0.4	0.4	0.2	0.0	0.0	0.0
72.5°	615.7	257.0	4.0	1.6	0.9	0.4	0.4	0.2	0.0	0.0	0.0
75°	391.0	107.0	3.1	1.3	0.9	0.4	0.4	0.2	0.2	0.2	0.0
77.5°	181.7	39.2	2.2	1.1	0.7	0.4	0.4	0.2	0.2	0.4	0.0
80°	39.7	11.5	1.6	1.1	0.7	0.4	0.4	0.4	0.4	0.7	0.0
82.5°	9.1	3.8	1.3	0.9	0.7	0.4	0.4	0.4	0.4	0.7	0.0
85°	3.3	2.2	1.3	1.1	0.9	0.4	0.4	0.7	0.7	0.9	0.0
87.5°	1.3	1.3	1.1	1.1	0.9	0.4	0.7	0.7	0.9	0.9	0.0
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)