

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: P414446

Luminaire Tested: **LXF.LXT-PA1-20-827-U-T4W**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P414446  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-3)  
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-T4W  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 2700K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2043 lumens  
Efficiency: N/A  
Efficacy: 97.3 lumens/watt  
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')  
IES Classification: Type IV - Medium - Non-Cutoff  
BUG Rating: B1 - U0 - G1

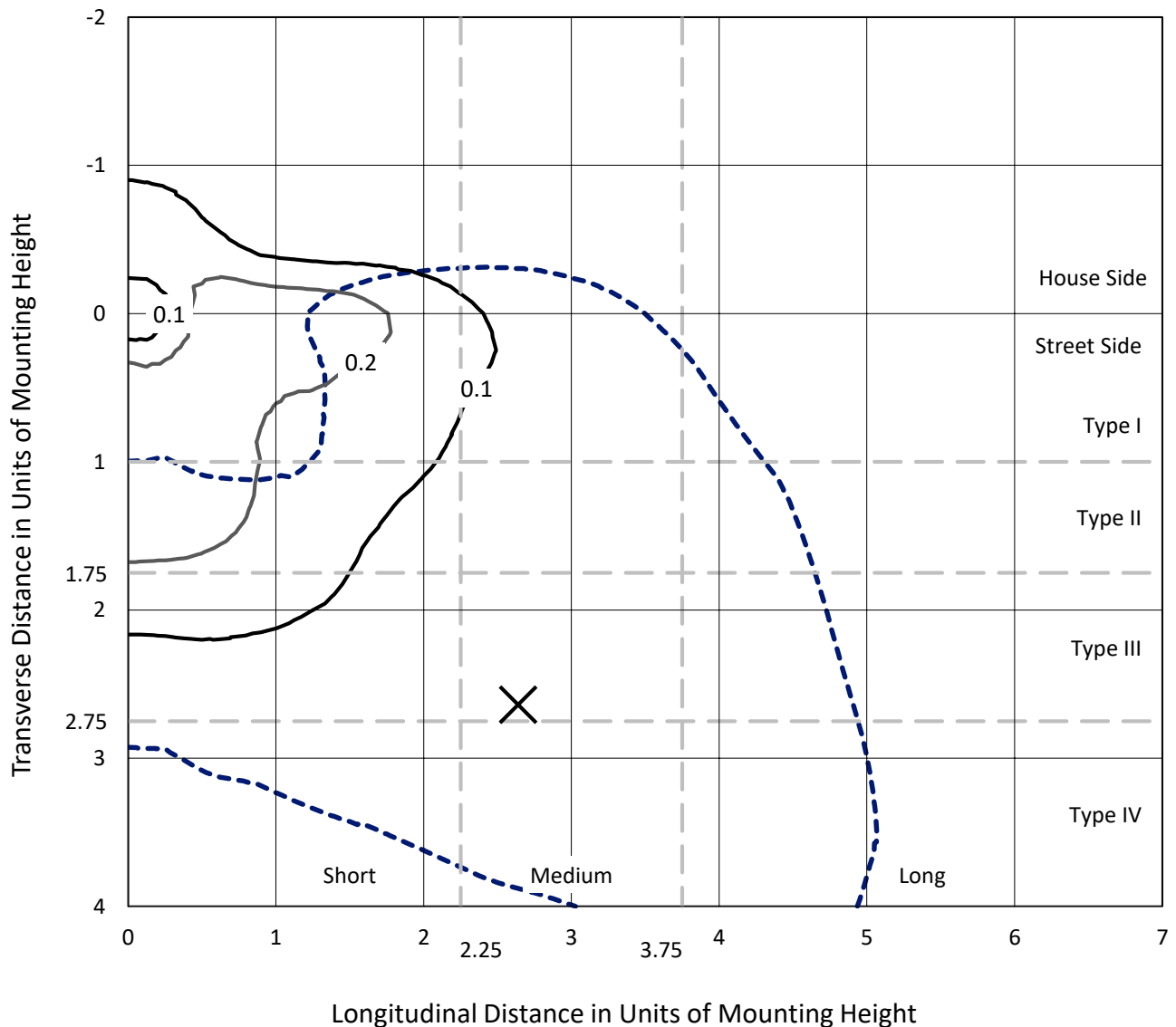
Input Watts (W): 21  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

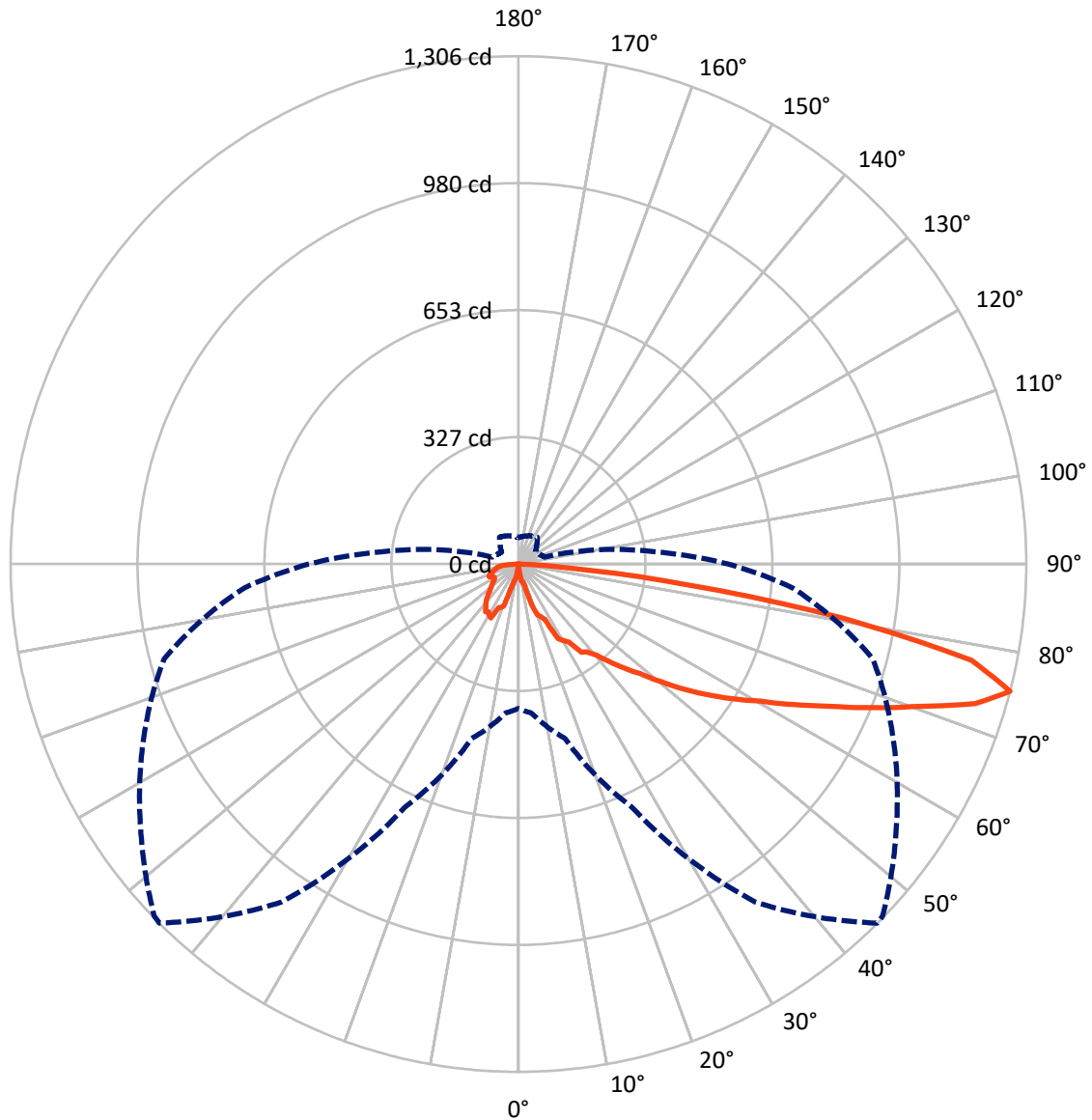


Based on 25 foot mounting height. Maximum calculated value = 0.4 fc  
 Type IV - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 75-Deg Vertical

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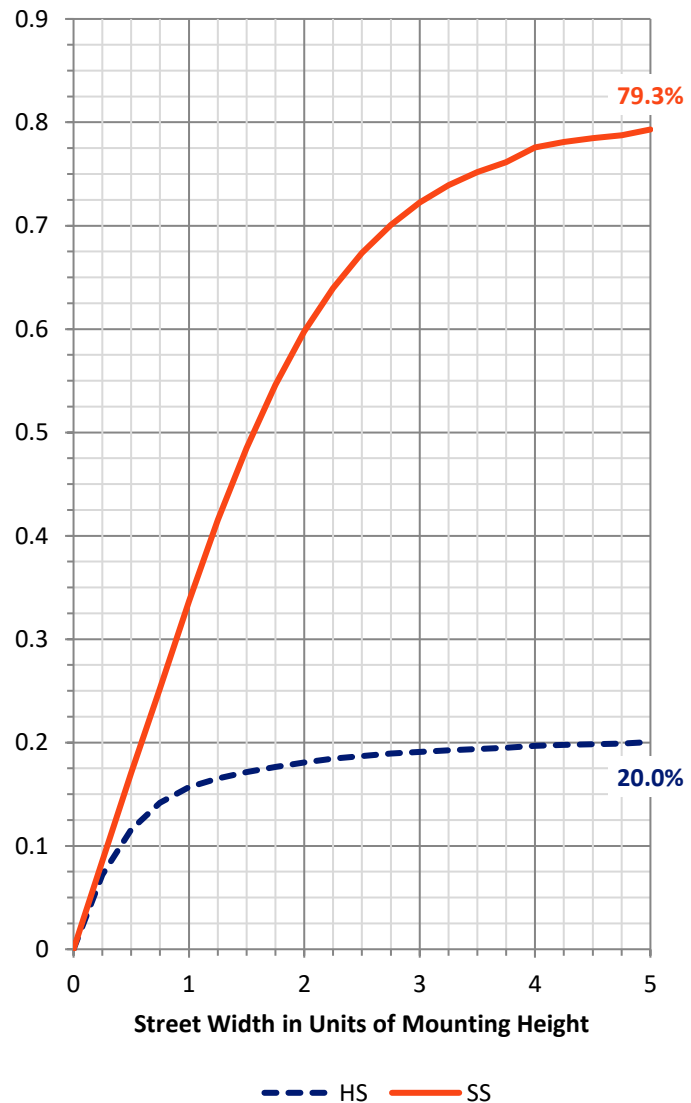
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	419.0	0.0	419.0
	% Fixture	20.5	0.0	20.5
<b>Street Side</b>	Lumens	1624.0	0.0	1624.0
	% Fixture	79.5	0.0	79.5
<b>Total</b>	Lumens	2043.0	0.0	2043.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1.3	0.1
10°-20°	21.1	1.0
20°-30°	78.5	3.8
30°-40°	161.7	7.9
40°-50°	256.4	12.6
50°-60°	405.4	19.8
60°-70°	569.6	27.9
70°-80°	474.1	23.2
80°-90°	74.8	3.7
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°	2043.0	100.0
0°-180°	2043.0	100.0



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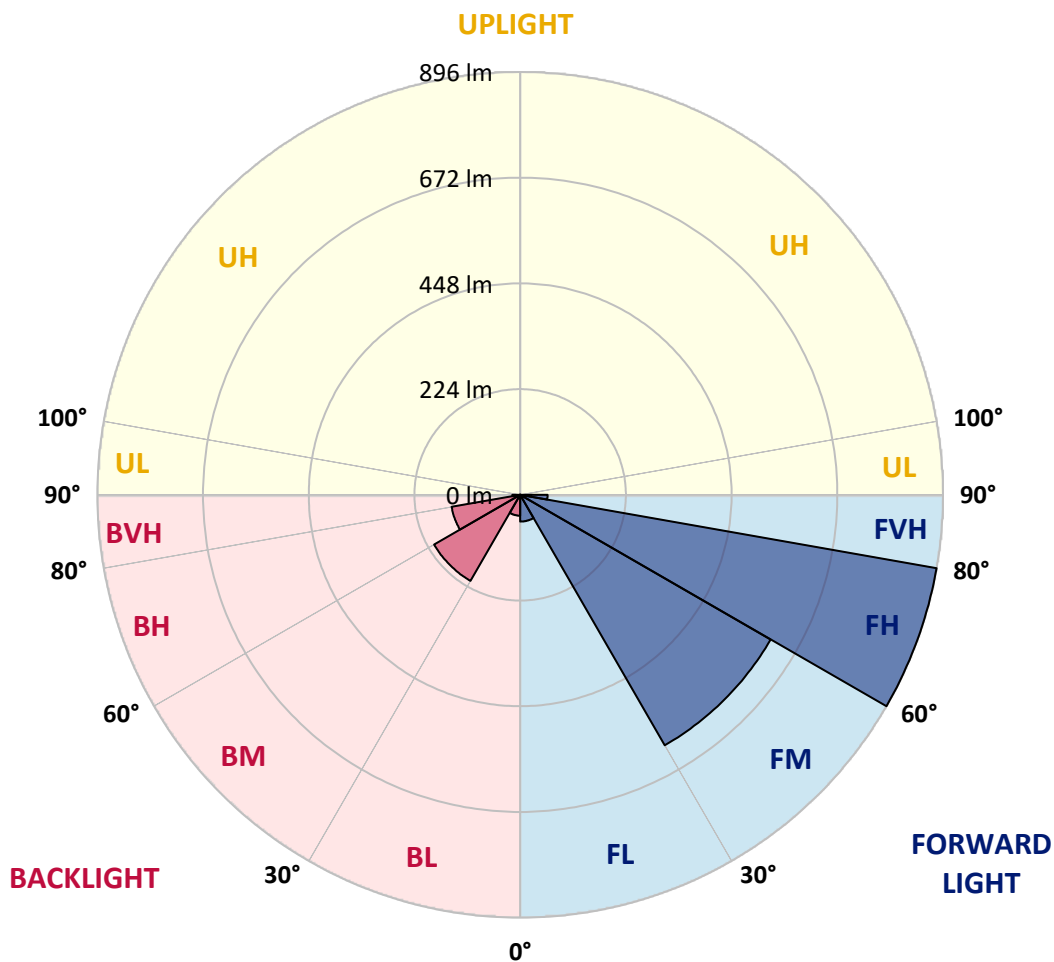
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	56.7	2.8			
FM (30°-60°)	613.0	30.0			
FH (60°-80°)	896.2	43.9			G1/1800
FVH (80°-90°)	58.1	2.8			G1/100
BL (0°-30°)	44.2	2.2	B0/110		
BM (30°-60°)	210.6	10.3	B0/220		
BH (60°-80°)	147.5	7.2	B1/500		G1/500
BVH (80°-90°)	16.7	0.8			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G1**

Type IV Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	46°	55°	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°	1.1	1.1	1.1	1.1	1.1	0.9	0.9	0.7	0.9	0.9	0.9
5°	15.7	14.8	11.7	10.4	8.6	3.5	2.9	1.3	1.1	1.1	0.9
7.5°	46.8	46.3	45.6	44.1	42.1	26.4	22.8	8.2	1.6	1.1	0.9
10°	51.6	50.7	49.6	48.1	46.3	44.1	43.9	40.3	7.3	2.4	2.0
12.5°	101.5	99.7	83.3	60.3	49.9	47.2	47.2	45.6	33.0	11.5	27.0
15°	109.0	108.1	105.0	101.0	95.1	54.7	53.6	71.3	88.0	61.6	65.4
17.5°	122.5	120.5	111.0	106.1	101.7	110.3	109.7	102.1	96.4	68.2	73.3
20°	170.8	169.7	165.7	118.8	109.5	139.6	140.0	115.9	104.8	120.8	119.9
22.5°	174.8	174.6	171.7	164.6	173.5	146.5	146.7	154.0	153.1	160.2	145.3
25°	228.7	228.0	185.0	169.7	189.4	157.8	164.8	191.0	170.6	173.7	181.5
27.5°	234.6	234.2	231.8	221.1	196.1	217.4	217.4	197.4	217.4	227.6	228.9
30°	266.8	258.4	241.3	236.2	228.4	228.2	228.9	228.7	251.5	238.2	251.5
32.5°	313.7	312.0	305.8	256.1	253.9	239.3	246.8	264.1	262.6	302.9	320.2
35°	381.5	357.4	335.5	295.6	263.7	278.7	279.8	273.9	305.8	318.6	343.0
37.5°	476.2	469.5	438.5	332.8	293.8	286.5	287.2	306.7	325.0	339.2	366.5
40°	545.1	541.5	520.0	407.5	322.2	307.5	309.1	321.7	338.8	364.0	392.4
42.5°	611.1	611.1	598.5	471.3	383.1	343.4	342.3	345.0	357.2	383.8	430.7
45°	654.1	651.6	662.3	531.3	428.5	382.0	377.8	377.1	381.5	413.0	482.1
47.5°	697.3	690.6	700.8	592.0	487.9	421.9	422.3	414.1	420.1	468.4	552.4
50°	742.9	744.3	742.9	643.2	546.2	476.2	472.4	462.0	473.9	533.3	631.0
52.5°	808.1	803.4	790.3	708.4	620.6	536.4	530.4	515.4	543.5	609.8	729.4
55°	855.5	851.0	847.5	778.2	677.8	594.7	591.1	574.5	627.3	686.9	830.9
57.5°	907.1	901.8	912.0	873.4	767.5	655.6	651.0	640.8	713.2	774.8	934.1
60°	941.9	942.1	970.0	942.1	842.4	716.6	712.1	719.7	791.9	855.5	1045.6
62.5°	941.9	949.2	1010.6	1017.2	922.6	796.1	788.3	792.6	877.4	940.1	1137.1
65°	852.6	861.7	1004.8	1038.9	1003.0	882.1	878.3	875.6	958.3	1007.0	1208.9
67.5°	761.5	772.8	917.5	1040.0	1068.9	986.4	972.7	950.3	1028.1	1056.9	1247.4
70°	698.4	707.7	822.7	1004.4	1111.4	1095.9	1086.8	1027.9	1074.8	1088.6	1204.0
72.5°	595.8	596.7	699.1	929.0	1140.0	1228.2	1206.9	1113.8	1101.2	1068.0	1021.0
75°	371.4	384.9	464.6	689.5	1061.1	1306.2	1302.2	1186.1	1063.5	943.7	707.9
77.5°	138.3	146.2	194.3	354.1	759.3	1191.4	1194.9	1107.6	899.6	683.8	380.2
80°	45.0	48.3	64.3	114.1	337.2	847.9	875.6	785.7	551.7	347.4	160.2
82.5°	25.0	24.2	37.2	59.2	144.0	439.4	457.5	377.8	260.1	145.3	59.8
85°	11.5	12.0	17.7	32.1	76.9	122.5	132.3	129.2	98.6	59.8	21.9
87.5°	2.4	2.9	4.0	7.5	12.0	10.4	7.5	13.3	19.3	14.2	3.8
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	0.7	0.7	0.4	0.4	0.2	0.2	0.4	0.4	0.4
5°	0.9	0.9	0.7	0.7	0.7	0.7	0.9	1.6	1.8	2.0	1.8
7.5°	0.9	0.9	0.9	0.9	1.1	2.2	10.4	31.9	33.9	34.6	35.5
10°	2.0	1.8	1.8	2.0	6.9	33.5	40.3	42.5	43.6	44.3	44.1
12.5°	30.8	30.6	11.3	6.9	32.1	42.3	43.4	44.8	47.0	49.2	48.3
15°	65.1	64.9	59.8	62.0	62.5	46.1	47.0	76.9	82.0	85.3	86.4
17.5°	70.9	71.6	69.6	85.7	87.7	69.8	78.2	85.7	87.5	88.6	88.8
20°	131.6	118.3	101.3	95.9	93.5	115.2	87.3	88.2	113.9	122.1	123.0
22.5°	144.7	143.6	134.3	138.3	116.8	120.1	113.0	119.2	130.7	133.2	133.2
25°	186.8	184.8	153.3	144.0	148.2	123.4	142.7	129.8	134.0	138.5	138.9
27.5°	229.5	227.1	204.7	162.0	146.9	155.8	144.9	156.6	169.5	175.7	175.9
30°	249.5	246.2	213.6	182.6	152.9	152.4	152.2	173.3	172.2	176.1	177.3
32.5°	331.5	326.2	273.0	179.5	158.6	144.9	161.5	168.6	193.9	206.3	207.6
35°	351.4	344.8	274.3	198.5	149.8	149.3	149.8	173.0	186.8	195.6	197.6
37.5°	374.2	365.1	271.2	186.1	153.3	139.1	142.5	156.2	186.1	206.1	207.6
40°	402.6	388.6	270.3	173.7	142.9	131.6	130.9	149.3	162.6	174.8	175.9
42.5°	441.8	419.4	269.0	160.9	130.7	122.5	123.6	131.6	142.2	141.1	142.9
45°	493.9	457.8	266.8	149.6	118.3	111.2	110.6	116.3	121.2	114.1	112.1
47.5°	559.0	505.2	270.3	138.7	106.8	100.1	100.4	102.8	103.7	95.9	94.2
50°	633.0	558.8	274.1	126.7	97.5	92.4	91.3	92.2	90.8	83.3	82.6
52.5°	721.2	621.7	276.1	115.4	90.0	86.0	84.6	84.0	82.0	76.9	76.2
55°	823.4	697.3	280.3	106.4	83.8	80.0	79.3	78.4	77.8	74.9	74.4
57.5°	927.9	780.6	277.8	97.0	77.8	74.4	75.8	77.3	79.1	78.0	77.8
60°	1023.9	847.1	247.7	88.8	72.0	71.1	76.9	84.2	85.5	86.6	86.4
62.5°	1095.7	880.5	196.5	81.8	68.0	71.3	85.3	95.5	94.2	91.3	90.6
65°	1120.9	871.2	151.3	76.4	66.0	77.3	94.2	99.5	92.0	86.6	85.5
67.5°	1104.1	825.3	117.2	72.0	64.9	82.4	97.3	95.7	87.1	83.1	81.5
70°	1017.9	729.9	93.1	68.2	63.8	79.3	95.7	91.3	83.1	79.5	77.1
72.5°	832.9	577.2	79.8	64.0	59.2	72.9	90.8	85.3	79.5	74.9	72.7
75°	538.6	355.0	69.4	59.2	53.0	66.0	84.6	79.5	74.7	70.0	67.8
77.5°	259.2	161.3	60.7	53.2	47.2	60.9	79.5	73.6	68.7	64.0	61.4
80°	109.2	76.2	51.8	47.2	43.0	57.2	74.0	67.1	61.6	58.3	55.4
82.5°	53.2	42.1	39.4	38.3	37.4	52.1	68.0	59.6	53.8	50.7	44.3
85°	17.9	18.2	24.4	23.7	26.4	41.7	55.6	45.2	40.3	35.0	32.8
87.5°	1.8	2.4	3.3	4.2	8.6	11.5	19.1	15.5	12.2	4.7	3.1
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)