

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: P414486

Luminaire Tested: **LXF.LXT-PA1-20-830-U-T3-HSS**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P414486  
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-PA1-20-830-U-T3-HSS  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 3000K, 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: 1685 lumens  
Efficiency: N/A  
Efficacy: 80.2 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 (A<sub>in</sub>): 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

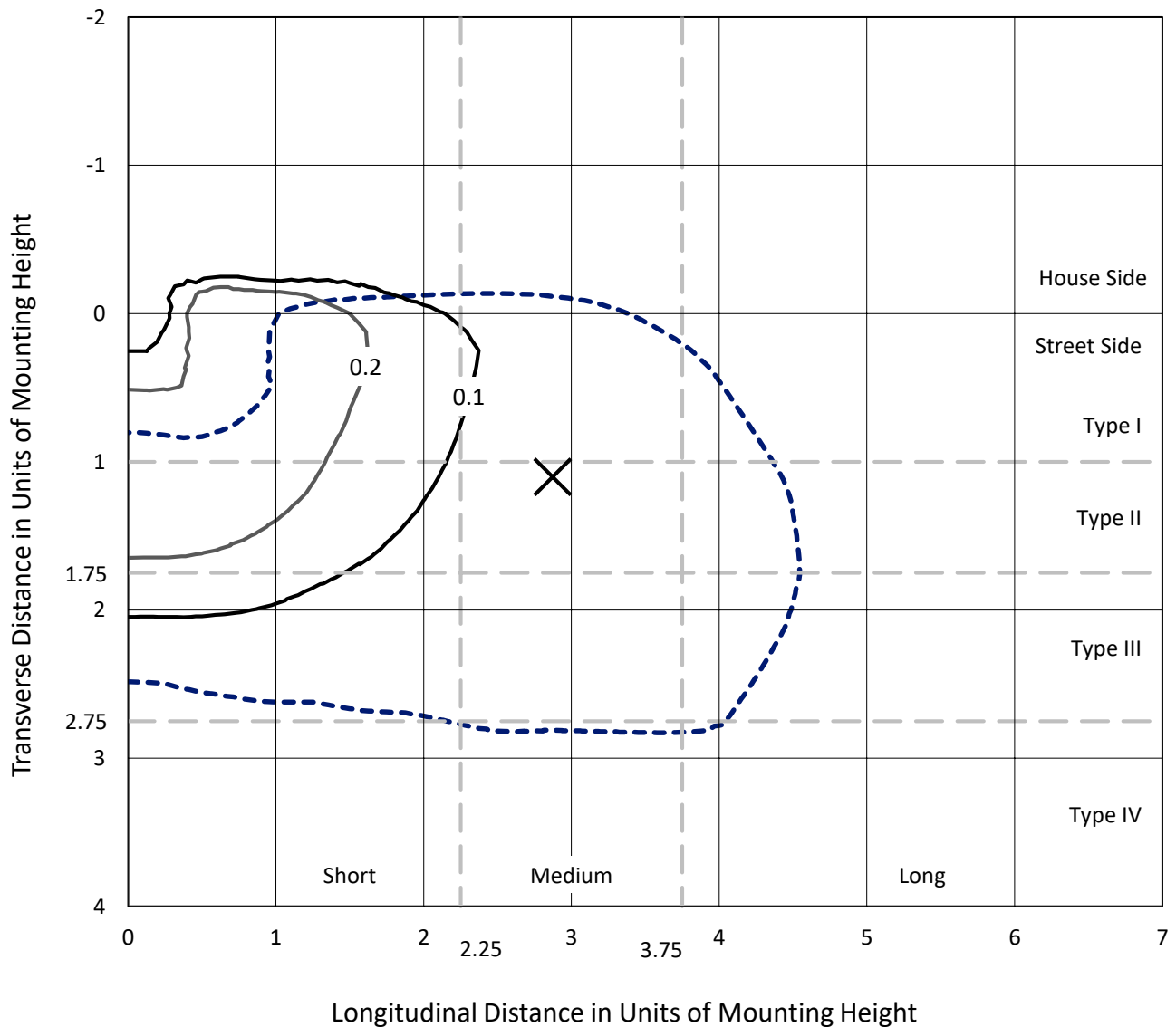


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

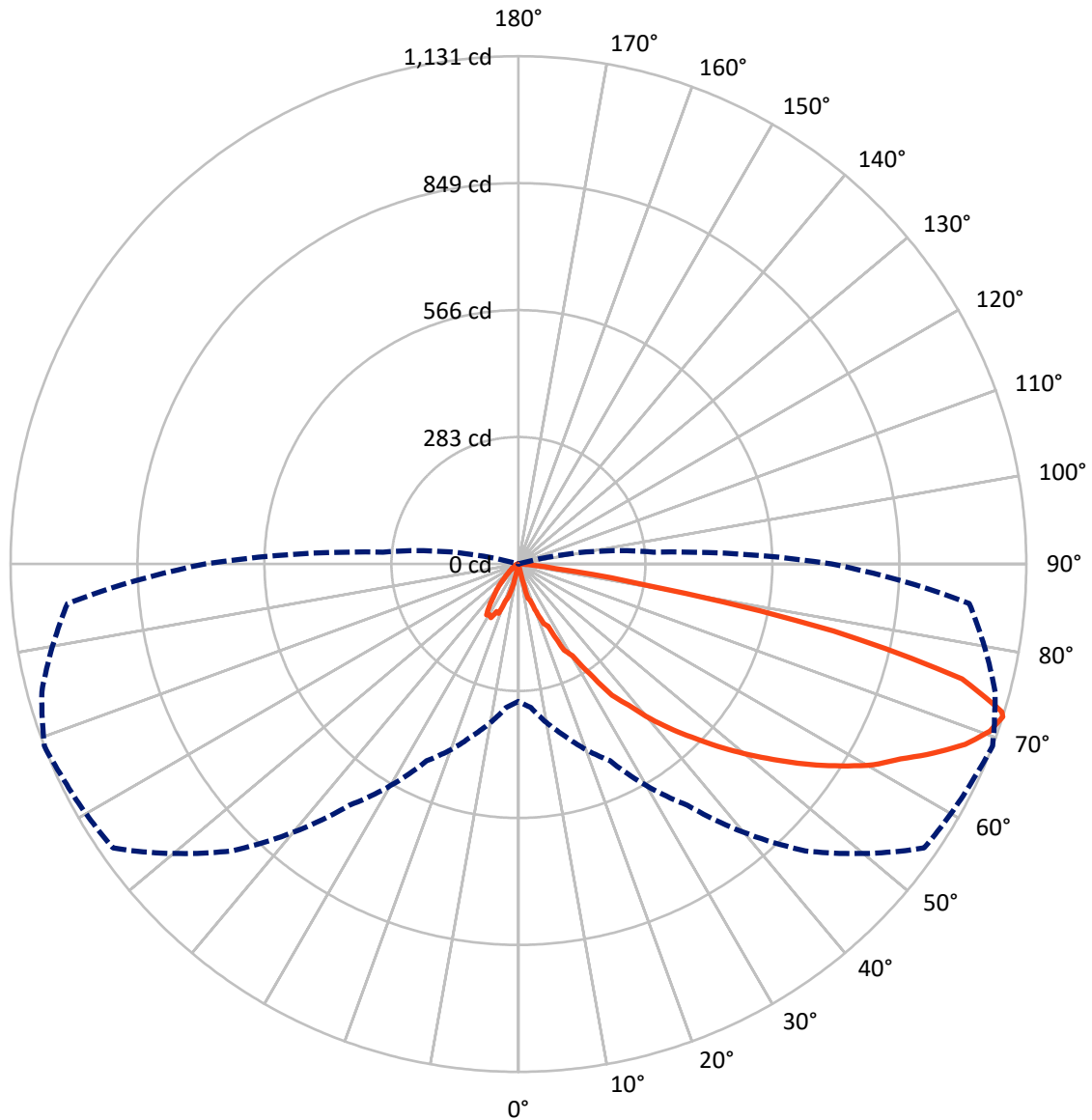


Based on 25 foot mounting height. Maximum calculated value = 0.5 fc  
 Type IV - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



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

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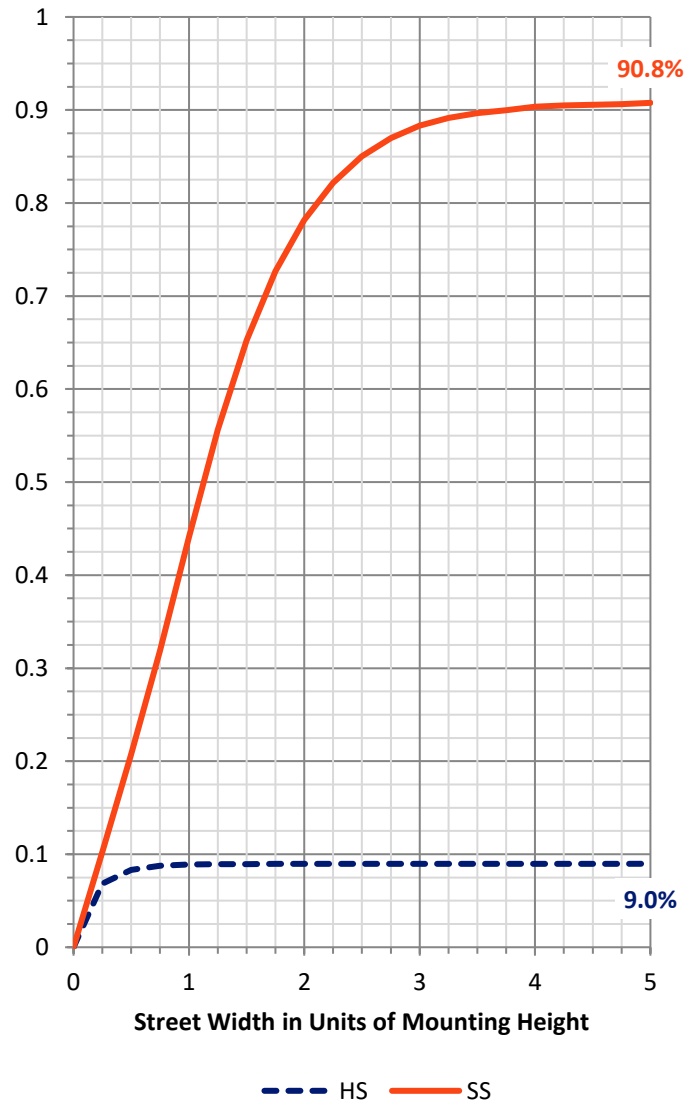
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	152.8	0.0	152.8
	% Fixture	9.1	0.0	9.1
<b>Street Side</b>	Lumens	1532.2	0.0	1532.2
	% Fixture	90.9	0.0	90.9
<b>Total</b>	Lumens	1685.0	0.0	1685.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1.1	0.1
10°-20°	14.6	0.9
20°-30°	52.5	3.1
30°-40°	134.0	8.0
40°-50°	265.2	15.7
50°-60°	418.0	24.8
60°-70°	486.2	28.9
70°-80°	295.1	17.5
80°-90°	18.3	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°	1685.0	100.0
0°-180°	1685.0	100.0



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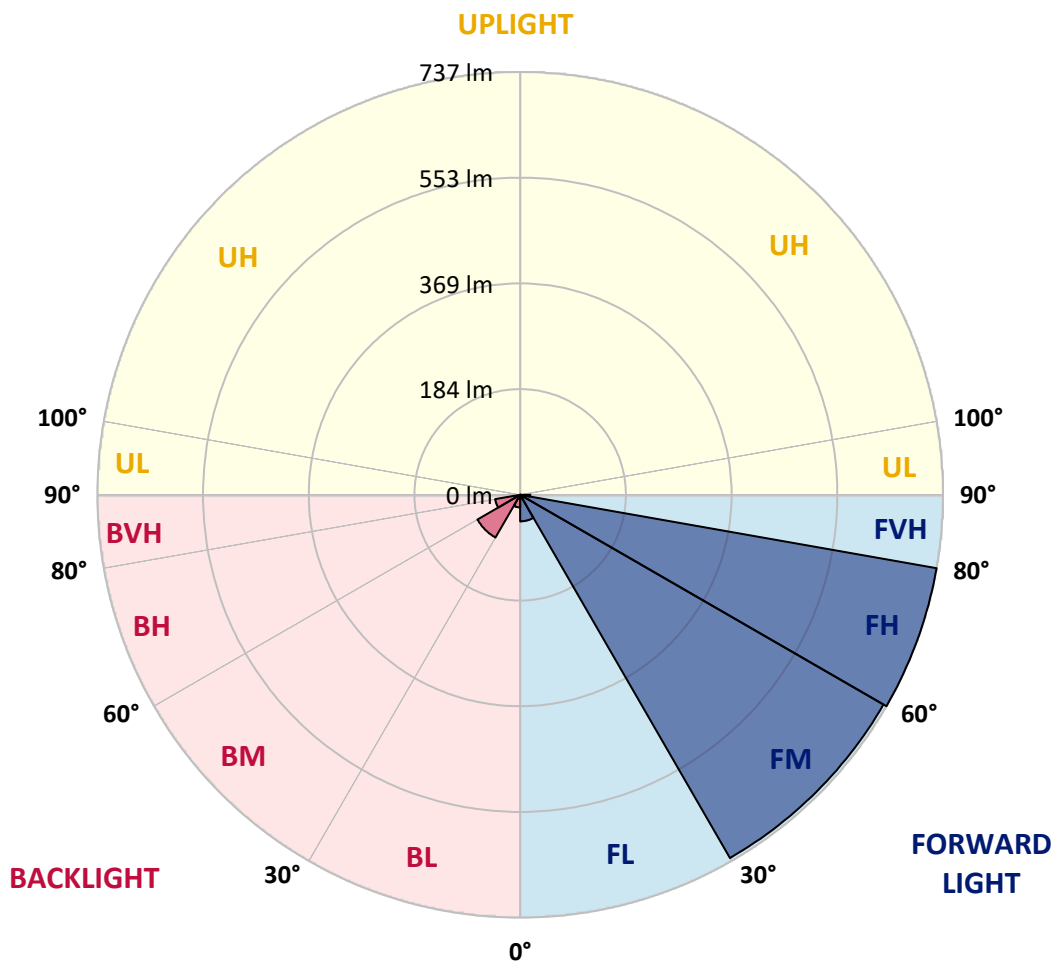
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	46.3	2.7			
FM (30°-60°)	731.2	43.4			
FH (60°-80°)	737.1	43.7			G1/1800
FVH (80°-90°)	17.6	1.0			G1/100
BL (0°-30°)	21.9	1.3	B0/110		
BM (30°-60°)	86.0	5.1	B0/220		
BH (60°-80°)	44.2	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°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
2.5°	0.2	0.2	0.2	0.2	0.5	0.5	0.7	0.7	0.7	0.7	0.7
5°	23.5	15.3	11.5	9.6	4.8	1.2	0.7	0.7	0.7	0.7	0.7
7.5°	36.2	36.2	36.4	36.6	37.4	31.4	6.7	0.7	0.7	0.7	0.7
10°	35.0	34.7	34.7	35.2	36.2	37.1	38.1	5.0	1.2	0.7	0.7
12.5°	68.2	67.5	62.7	43.8	35.9	36.4	38.3	29.2	8.1	4.8	27.5
15°	67.5	67.3	67.8	69.0	69.4	38.8	56.7	77.1	78.8	53.2	64.4
17.5°	73.7	71.6	68.2	68.7	70.9	83.3	80.2	83.6	85.2	59.6	69.7
20°	102.0	101.8	102.2	80.2	74.9	105.6	92.9	90.7	112.8	118.0	131.0
22.5°	104.2	103.7	104.4	106.8	120.0	110.4	134.6	137.7	144.1	159.5	149.7
25°	145.8	145.8	119.7	111.6	136.7	124.8	166.7	156.6	153.2	171.2	192.5
27.5°	176.0	174.1	167.9	155.9	142.2	176.5	177.4	214.1	217.2	239.0	243.0
30°	222.9	220.3	203.8	194.4	176.5	185.6	207.1	254.5	237.3	254.8	272.5
32.5°	330.0	326.1	305.3	245.0	222.4	201.1	248.3	273.2	290.2	337.6	357.0
35°	427.4	402.5	374.0	328.0	269.6	261.5	267.9	338.8	358.9	373.5	393.2
37.5°	525.6	526.1	497.6	386.0	340.7	301.9	323.0	378.6	398.9	420.5	438.2
40°	604.4	592.4	554.3	472.4	402.0	363.2	365.9	417.4	453.5	480.6	484.2
42.5°	704.9	699.9	643.9	551.4	481.3	443.5	432.0	457.3	505.2	523.2	534.2
45°	801.2	793.8	746.1	641.5	566.0	523.7	507.9	508.1	555.3	574.4	590.2
47.5°	873.3	861.3	835.7	724.3	672.6	611.3	578.5	566.0	612.0	636.9	645.8
50°	948.7	929.0	908.7	817.9	764.5	711.4	648.7	634.8	668.1	695.8	703.0
52.5°	999.2	970.7	956.6	884.7	846.9	813.2	718.8	703.2	727.0	759.8	754.0
55°	973.6	964.7	980.0	942.5	905.8	868.5	795.2	782.5	788.7	816.3	802.6
57.5°	920.2	922.8	968.1	975.3	958.7	923.5	863.7	861.5	848.8	871.3	853.6
60°	864.4	874.2	937.2	973.1	985.1	973.3	936.0	920.2	908.9	924.7	910.8
62.5°	789.7	791.6	876.1	953.9	975.0	1012.1	986.5	978.8	955.6	979.1	973.3
65°	695.8	698.2	777.7	888.1	944.8	1019.6	1026.0	1034.2	1016.2	1022.7	1040.9
67.5°	590.9	595.5	664.9	771.5	880.0	1004.9	1058.8	1074.4	1073.0	1071.0	1089.0
70°	478.4	481.5	538.0	631.4	775.1	964.7	1089.2	1109.1	1114.6	1101.2	1088.5
72°	306.0	321.1	395.8	483.9	656.1	903.7	1102.9	1121.8	1131.4	1099.3	1008.3
72.5°	240.4	252.4	365.6	443.5	615.4	889.5	1100.2	1117.5	1126.3	1088.8	974.3
75°	51.7	53.2	114.5	215.5	388.1	681.5	1009.0	1011.2	1020.8	948.7	667.1
77.5°	22.3	22.5	31.8	71.1	139.4	348.4	698.5	718.3	717.6	613.9	322.5
80°	15.6	16.0	18.9	32.6	66.3	100.8	341.2	343.4	295.5	219.6	80.5
82.5°	8.1	8.6	13.4	19.4	45.0	36.9	110.4	111.3	82.1	51.7	18.7
85°	1.4	2.2	6.5	11.7	17.5	14.8	24.2	30.4	26.3	20.6	7.9
87.5°	0.2	0.2	1.7	1.7	2.4	1.4	2.4	2.6	2.9	4.3	2.2
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°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
2.5°	0.7	0.7	0.7	0.7	0.5	0.2	0.0	0.0	0.0	0.0	0.0
5°	0.7	0.7	0.7	0.7	0.5	0.2	0.0	0.0	0.0	0.0	0.0
7.5°	0.7	0.7	0.7	0.7	0.5	0.2	0.0	22.0	29.7	31.6	33.8
10°	0.7	1.0	0.7	0.7	0.5	30.2	37.1	37.6	38.1	38.1	37.8
12.5°	30.4	31.1	11.0	2.2	28.0	38.3	36.4	33.3	30.4	29.5	29.2
15°	65.1	65.4	59.1	51.0	54.4	36.2	28.5	32.3	32.8	31.6	31.6
17.5°	70.2	70.2	67.0	81.9	68.7	36.2	29.9	24.7	21.1	20.1	19.9
20°	138.9	121.6	98.4	83.1	56.0	40.5	21.1	18.0	17.5	17.5	18.2
22.5°	149.9	147.7	128.1	112.1	48.1	28.5	20.6	20.6	24.4	23.9	23.7
25°	195.6	192.8	145.1	97.5	48.1	24.4	26.1	23.0	22.5	22.0	21.6
27.5°	247.3	241.4	204.0	88.1	34.0	25.6	24.9	21.8	25.9	25.9	25.6
30°	281.6	259.1	205.4	79.0	28.7	27.3	23.5	25.4	23.0	21.6	21.6
32.5°	364.9	354.6	251.2	55.8	27.3	24.7	24.7	21.8	19.4	20.1	19.9
35°	391.3	377.8	223.6	41.9	25.1	22.7	20.6	19.2	16.5	14.8	14.6
37.5°	423.8	406.3	187.7	32.3	24.7	20.1	17.0	14.6	12.7	12.7	12.5
40°	463.8	437.2	153.5	27.5	21.8	17.2	13.2	11.3	10.1	9.3	9.1
42.5°	507.6	466.4	118.0	24.9	18.9	14.1	9.8	8.1	7.4	7.2	7.2
45°	553.8	493.5	84.8	22.7	16.5	11.0	7.2	5.7	5.5	5.5	5.5
47.5°	601.0	513.1	57.7	20.6	13.9	8.1	5.3	4.3	4.3	4.1	4.1
50°	647.2	526.5	39.7	18.4	11.3	5.7	3.8	3.6	3.6	3.4	3.4
52.5°	680.7	523.4	29.7	16.0	8.9	4.3	3.1	2.9	2.9	2.9	2.9
55°	713.3	516.5	24.4	13.6	6.7	3.1	2.4	2.2	2.2	2.2	2.2
57.5°	746.8	507.1	21.1	11.0	4.8	2.4	1.7	1.7	1.7	1.7	1.7
60°	774.6	488.9	18.2	8.9	3.4	1.7	1.4	1.2	1.2	1.2	1.2
62.5°	805.5	470.5	15.6	6.7	2.4	1.2	1.0	0.7	0.7	0.5	0.7
65°	827.5	448.0	12.7	4.8	1.7	1.0	0.7	0.5	0.2	0.0	0.2
67.5°	827.0	418.1	9.1	3.1	1.2	0.7	0.5	0.2	0.0	0.0	0.0
70°	790.9	375.2	6.2	2.2	1.0	0.5	0.5	0.2	0.0	0.0	0.0
72°	698.0	302.7	4.8	1.9	1.0	0.5	0.5	0.2	0.0	0.0	0.0
72.5°	665.4	277.8	4.3	1.7	1.0	0.5	0.5	0.2	0.0	0.0	0.0
75°	422.6	115.7	3.4	1.4	1.0	0.5	0.5	0.2	0.2	0.2	0.0
77.5°	196.3	42.4	2.4	1.2	0.7	0.5	0.5	0.2	0.2	0.5	0.0
80°	42.9	12.5	1.7	1.2	0.7	0.5	0.5	0.5	0.5	0.7	0.0
82.5°	9.8	4.1	1.4	1.0	0.7	0.5	0.5	0.5	0.5	0.7	0.0
85°	3.6	2.4	1.4	1.2	1.0	0.5	0.5	0.7	0.7	1.0	0.0
87.5°	1.4	1.4	1.2	1.2	1.0	0.5	0.7	0.7	1.0	1.0	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)