

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: P414459

Luminaire Tested: **LXF.LXT-PA1-20-830-U-SL3-HSS**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P414459  
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-PA1-20-830-U-SL3-HSS  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 3000K, 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: 1845 lumens  
Efficiency: N/A  
Efficacy: 87.9 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 (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

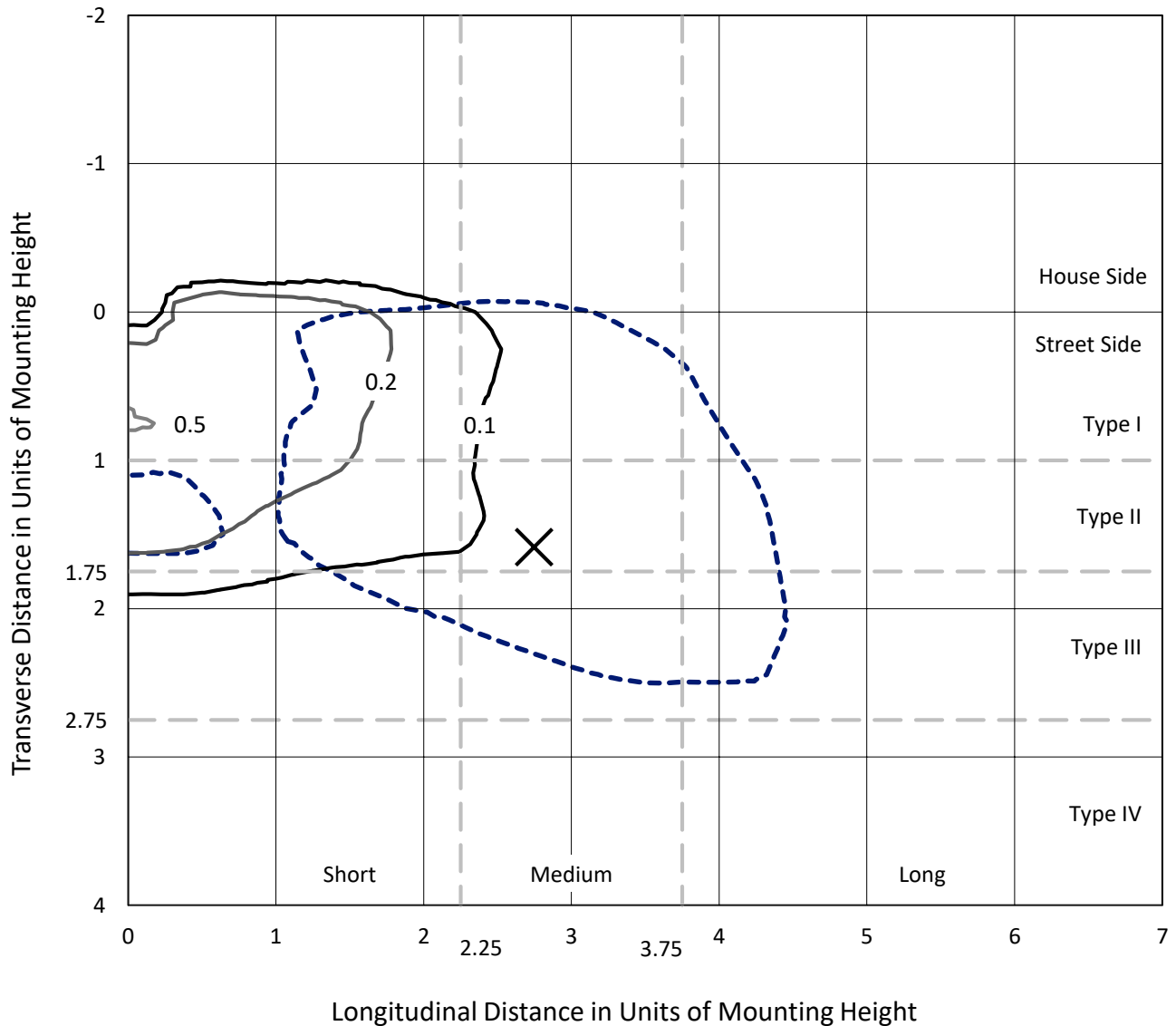


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

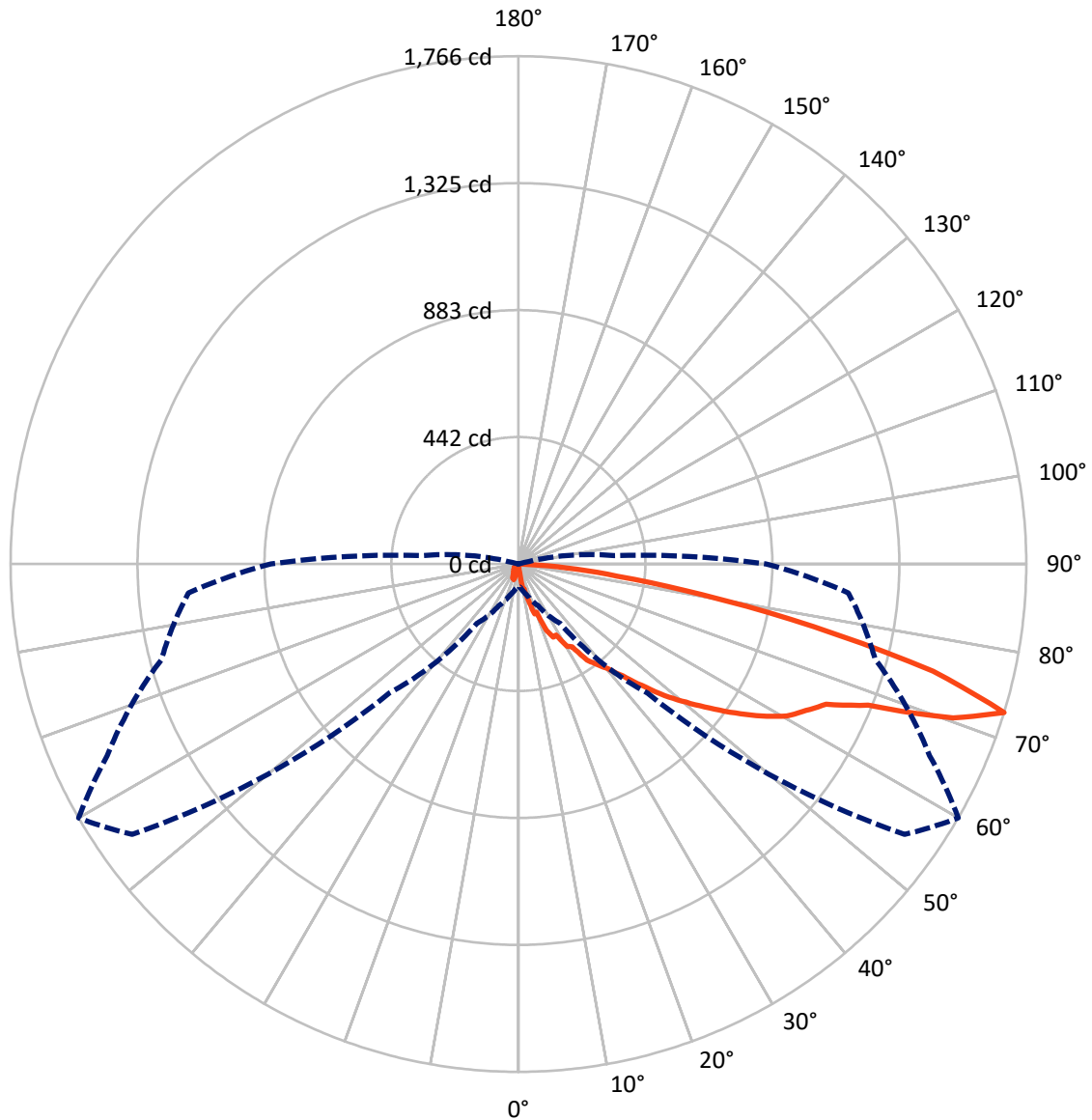


Based on 25 foot mounting height. Maximum calculated value = 0.5 fc  
 Type III - Medium - Non-Cutoff

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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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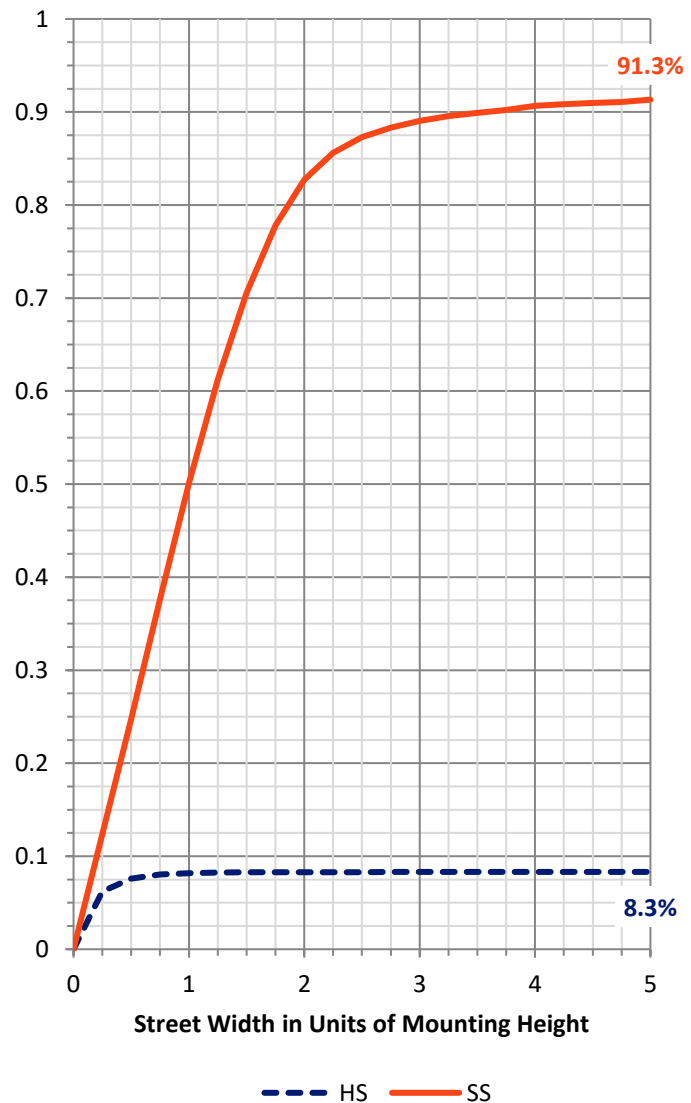
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	154.7	0.0	154.7
	% Fixture	8.4	0.0	8.4
<b>Street Side</b>	Lumens	1690.2	0.0	1690.2
	% Fixture	91.6	0.0	91.6
<b>Total</b>	Lumens	1845.0	0.0	1845.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2.5	0.1
10°-20°	25.7	1.4
20°-30°	80.4	4.4
30°-40°	173.2	9.4
40°-50°	294.6	16.0
50°-60°	435.5	23.6
60°-70°	473.7	25.7
70°-80°	322.8	17.5
80°-90°	36.6	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°	1845.0	100.0
0°-180°	1845.0	100.0



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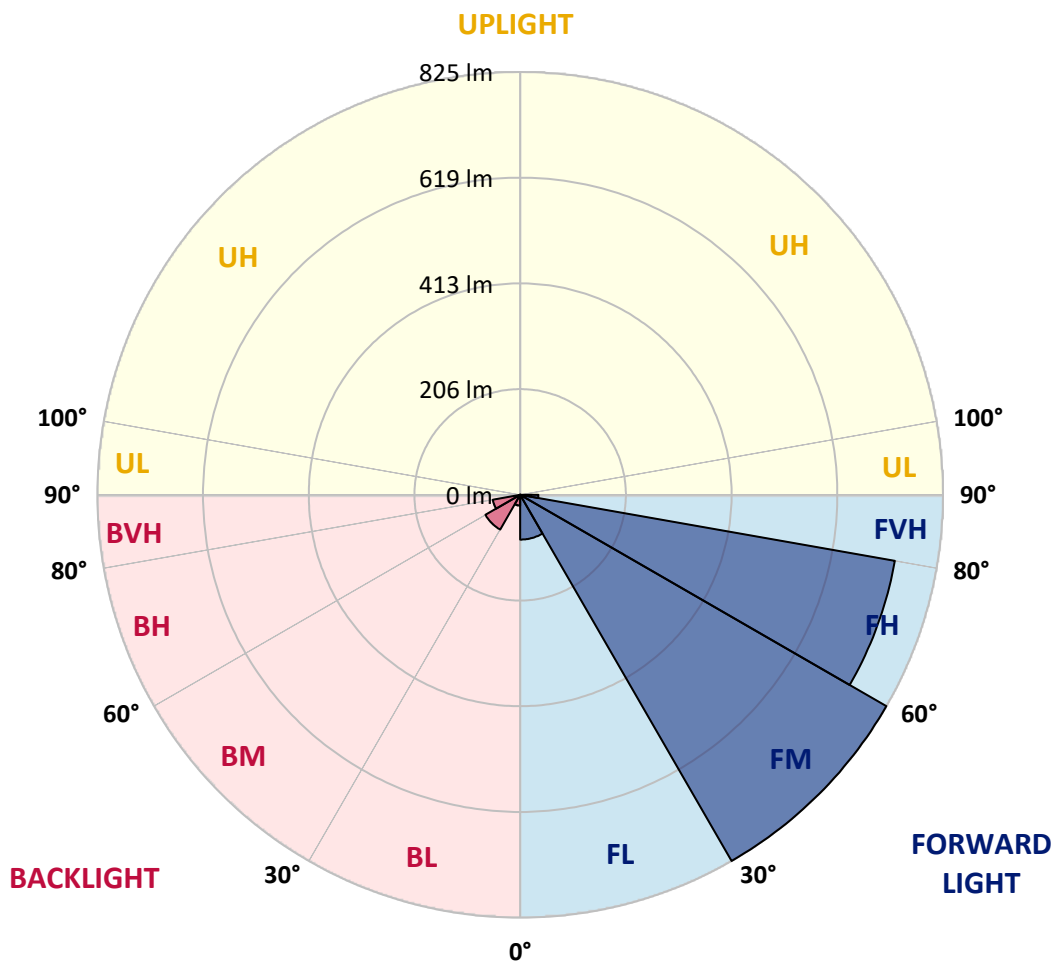
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	87.4	4.7			
FM	(30°-60°)	825.0	44.7			
FH	(60°-80°)	742.3	40.2			G1/1800
FVH	(80°-90°)	35.5	1.9			G1/100
BL	(0°-30°)	21.2	1.1	B0/110		
BM	(30°-60°)	78.3	4.2	B0/220		
BH	(60°-80°)	54.2	2.9	B0/110		G0/110
BVH	(80°-90°)	1.1	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°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
2.5°	1.7	1.2	1.2	1.0	0.7	0.7	0.7	1.0	1.0	0.7	1.0
5°	94.4	93.2	93.2	93.7	60.8	10.3	5.7	2.4	1.0	1.0	1.0
7.5°	89.6	88.6	89.1	90.3	91.0	92.2	92.2	28.3	9.1	1.0	1.0
10°	91.7	91.0	87.2	86.5	87.9	89.1	89.6	91.7	89.1	2.6	1.0
12.5°	161.4	160.2	160.2	162.4	94.4	86.2	87.2	89.3	77.1	10.1	5.5
15°	154.5	153.5	153.8	156.4	160.0	113.5	89.6	132.7	170.3	153.8	122.2
17.5°	215.6	185.6	160.5	152.8	153.5	158.6	173.7	182.5	173.2	175.1	133.2
20°	220.1	218.4	217.5	219.2	157.1	209.1	220.8	179.2	174.4	187.5	245.8
22.5°	227.8	224.0	216.3	215.3	241.9	206.0	213.9	250.5	257.3	274.7	255.8
25°	308.5	305.6	297.7	226.6	248.1	236.7	269.7	281.9	277.9	289.3	277.4
27.5°	338.9	333.4	316.4	294.1	263.5	279.0	272.8	279.5	306.8	398.6	391.1
30°	475.0	460.4	413.4	338.7	313.3	290.5	317.4	331.5	354.5	407.9	401.0
32.5°	516.2	500.6	466.6	431.1	371.3	329.3	349.2	343.0	359.5	497.7	526.5
35°	636.2	629.0	567.7	469.2	453.9	388.5	366.7	409.6	434.0	504.7	553.3
37.5°	637.6	638.1	634.5	567.9	497.7	436.7	440.7	442.4	461.3	537.7	584.4
40°	658.0	661.3	670.2	619.9	560.7	506.4	495.6	478.8	495.6	574.9	627.1
42.5°	700.6	703.0	722.7	670.2	610.6	560.7	566.2	532.0	544.2	645.0	685.0
45°	775.6	774.2	798.8	723.1	657.0	622.8	629.0	602.6	595.2	702.5	753.1
47.5°	860.4	865.7	864.7	781.6	703.3	680.5	698.5	684.3	655.1	775.8	832.4
50°	940.6	938.9	914.0	814.6	744.4	737.0	778.5	755.2	728.6	850.3	908.8
52.5°	969.8	971.3	941.6	834.5	779.7	793.1	855.1	831.6	797.1	903.5	984.7
55°	964.6	966.5	949.7	854.9	806.0	845.5	934.6	914.5	875.7	961.2	1041.7
57.5°	915.2	915.2	928.9	867.6	831.6	892.5	1005.5	997.4	949.5	1009.1	1075.7
60°	789.2	802.7	845.5	852.2	861.8	943.3	1075.7	1073.1	1014.9	1053.9	1095.8
62.5°	607.0	611.3	706.1	778.0	864.2	1011.5	1134.9	1122.2	1063.3	1067.6	1110.0
65°	344.2	363.8	451.5	633.1	815.1	1082.9	1230.0	1175.6	1105.7	1083.9	1161.9
67.5°	185.4	192.6	241.4	383.2	668.0	1090.8	1445.5	1311.2	1206.3	1169.6	1263.7
70°	119.8	127.4	153.8	210.5	418.9	964.6	1648.4	1603.2	1413.9	1287.0	1279.3
72.5°	77.8	82.4	110.9	158.6	252.0	635.5	1639.1	1766.0	1578.0	1284.8	1151.6
75°	31.6	34.7	55.6	132.0	212.9	311.4	1257.5	1489.1	1481.5	1141.8	891.3
77.5°	15.8	16.8	24.7	71.4	189.0	215.6	795.7	1050.3	1054.6	832.4	495.6
80°	10.3	10.1	14.1	33.5	128.9	196.2	445.0	645.3	603.4	315.7	138.9
82.5°	4.1	4.3	7.7	19.2	53.9	177.5	253.9	347.3	271.6	61.6	40.0
85°	0.7	0.7	2.4	10.3	17.0	81.2	163.8	168.1	111.6	19.4	20.1
87.5°	0.2	0.2	0.5	0.7	1.2	1.9	7.2	3.4	2.2	3.4	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°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
2.5°	1.0	1.0	1.0	0.7	0.7	0.5	0.0	0.0	0.2	0.2	0.2
5°	1.0	1.0	1.0	0.7	0.7	0.2	0.0	0.0	0.2	0.2	0.2
7.5°	1.0	1.0	1.0	0.7	0.5	0.2	0.0	0.0	0.2	0.2	0.2
10°	1.0	1.0	1.0	0.7	0.5	0.2	6.9	44.3	45.7	46.0	45.5
12.5°	6.0	6.2	3.4	0.7	0.5	41.2	41.0	34.3	29.9	28.3	26.1
15°	130.1	123.6	102.3	60.4	33.3	33.8	24.9	18.4	14.9	13.9	13.4
17.5°	128.9	119.5	94.1	55.1	58.0	25.4	13.4	14.9	19.4	19.6	19.6
20°	242.2	212.5	92.0	61.6	39.0	22.0	17.5	18.4	18.4	18.7	18.4
22.5°	252.5	222.8	137.7	78.6	28.0	23.2	19.9	17.2	17.7	23.0	22.3
25°	254.6	218.4	127.7	61.6	27.1	23.2	21.8	21.1	23.7	23.7	24.0
27.5°	367.0	307.1	154.7	46.2	26.8	24.2	24.2	22.0	21.3	21.1	21.3
30°	366.2	296.5	132.0	39.0	25.9	24.0	21.8	19.6	23.7	24.0	24.0
32.5°	480.7	379.2	127.7	31.6	25.9	22.0	19.2	20.4	18.9	18.9	18.9
35°	487.4	369.6	100.6	32.8	23.0	20.1	18.7	15.8	16.8	17.0	16.5
37.5°	500.4	362.9	76.4	29.7	23.0	18.7	15.3	14.1	13.2	12.9	12.9
40°	523.6	363.4	58.9	27.3	21.6	17.0	13.7	11.5	12.0	12.0	11.7
42.5°	558.3	370.3	46.2	25.2	19.4	15.1	11.5	10.3	9.6	9.6	9.3
45°	604.3	385.2	37.8	23.5	17.7	12.9	9.3	8.4	7.7	7.7	7.4
47.5°	661.3	406.0	33.1	21.8	15.8	10.8	7.7	6.7	6.2	6.0	6.0
50°	722.2	430.9	30.4	20.4	13.7	8.6	6.2	5.3	4.8	4.8	4.6
52.5°	785.2	459.4	28.3	19.4	11.7	7.2	4.8	3.8	3.6	3.4	3.6
55°	836.2	476.7	26.8	19.2	9.8	5.7	3.6	2.9	2.6	2.4	2.4
57.5°	869.7	486.0	24.9	17.7	7.9	4.3	2.6	1.9	1.7	1.7	1.7
60°	896.1	491.3	22.5	14.1	6.2	3.1	1.7	1.2	1.2	1.2	1.2
62.5°	916.9	494.9	18.9	11.0	4.8	2.2	1.2	0.7	0.7	0.7	0.7
65°	978.7	515.9	14.6	8.4	3.6	1.4	0.7	0.5	0.2	0.5	0.5
67.5°	1053.9	524.8	10.8	6.0	2.6	1.0	0.5	0.2	0.2	0.2	0.5
70°	1024.2	457.3	7.9	4.3	1.9	0.7	0.5	0.2	0.2	0.2	0.5
72.5°	860.6	334.1	5.7	3.1	1.4	0.7	0.5	0.2	0.2	0.5	0.5
75°	618.9	188.5	4.6	2.2	1.2	0.7	0.5	0.5	0.5	0.7	0.7
77.5°	291.3	70.2	4.6	1.9	1.2	0.7	0.5	0.5	0.7	1.0	0.5
80°	70.7	17.5	4.6	1.7	1.2	0.7	0.7	0.7	1.0	1.0	0.5
82.5°	23.7	7.4	3.4	1.4	1.2	0.7	0.7	1.0	1.0	1.2	0.7
85°	14.4	4.8	2.4	1.7	1.4	0.7	1.0	1.0	1.2	1.4	0.7
87.5°	2.4	1.9	1.7	1.7	1.4	1.0	1.0	1.2	1.2	1.4	1.0
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)