

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: P414887

Luminaire Tested: **LXF.LXT-PA1-30-830-U-T2R**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P414887  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-30-830-U-T2R  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 3000K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3062 lumens  
Efficiency: N/A  
Efficacy: 98.8 lumens/watt  
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')  
IES Classification: Type II - Medium - Non-Cutoff  
BUG Rating: B1 - U0 - G1

Input Watts (W): 31  
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

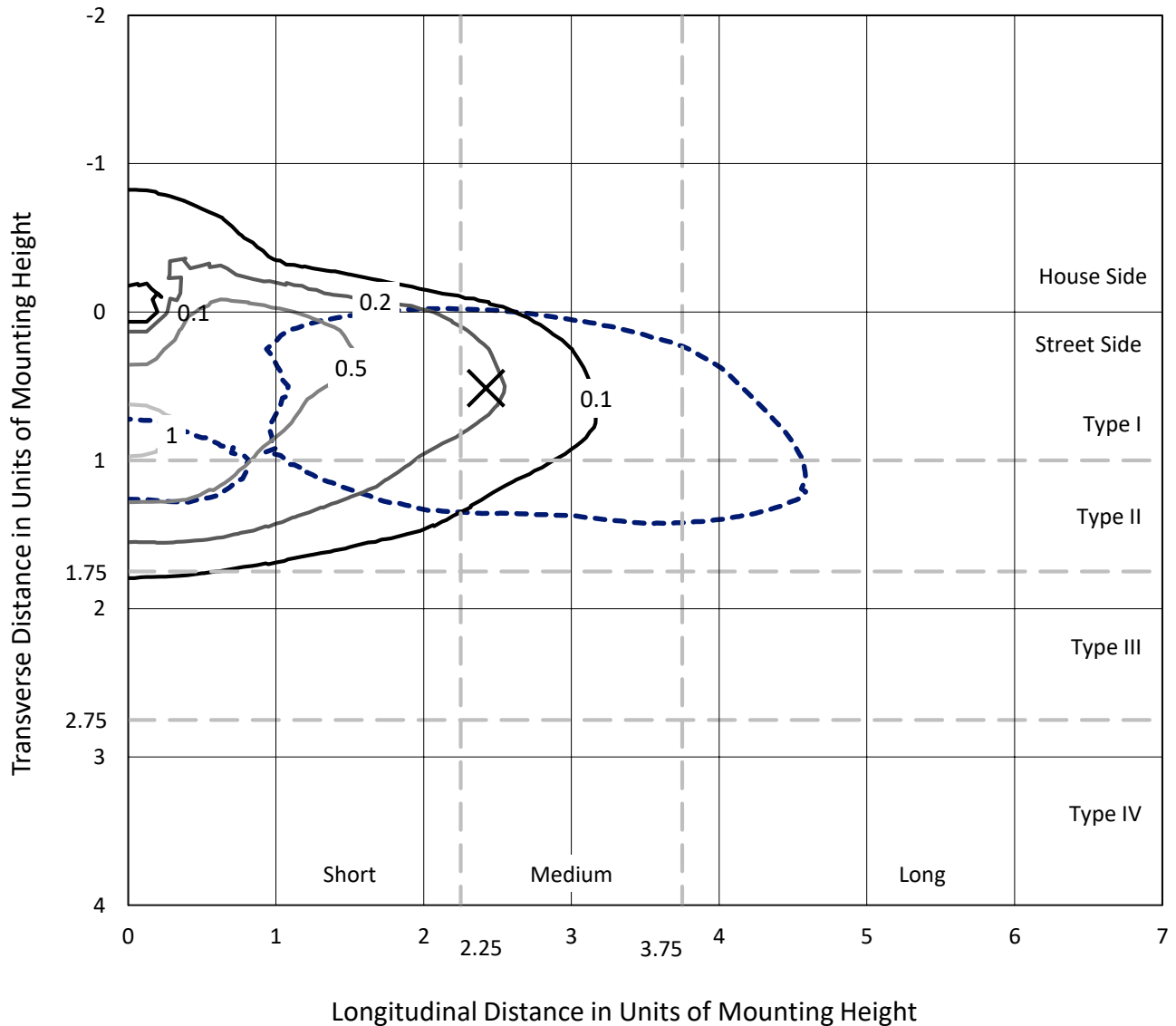


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### Iso-Footcandle Lines of Horizontal Illumination

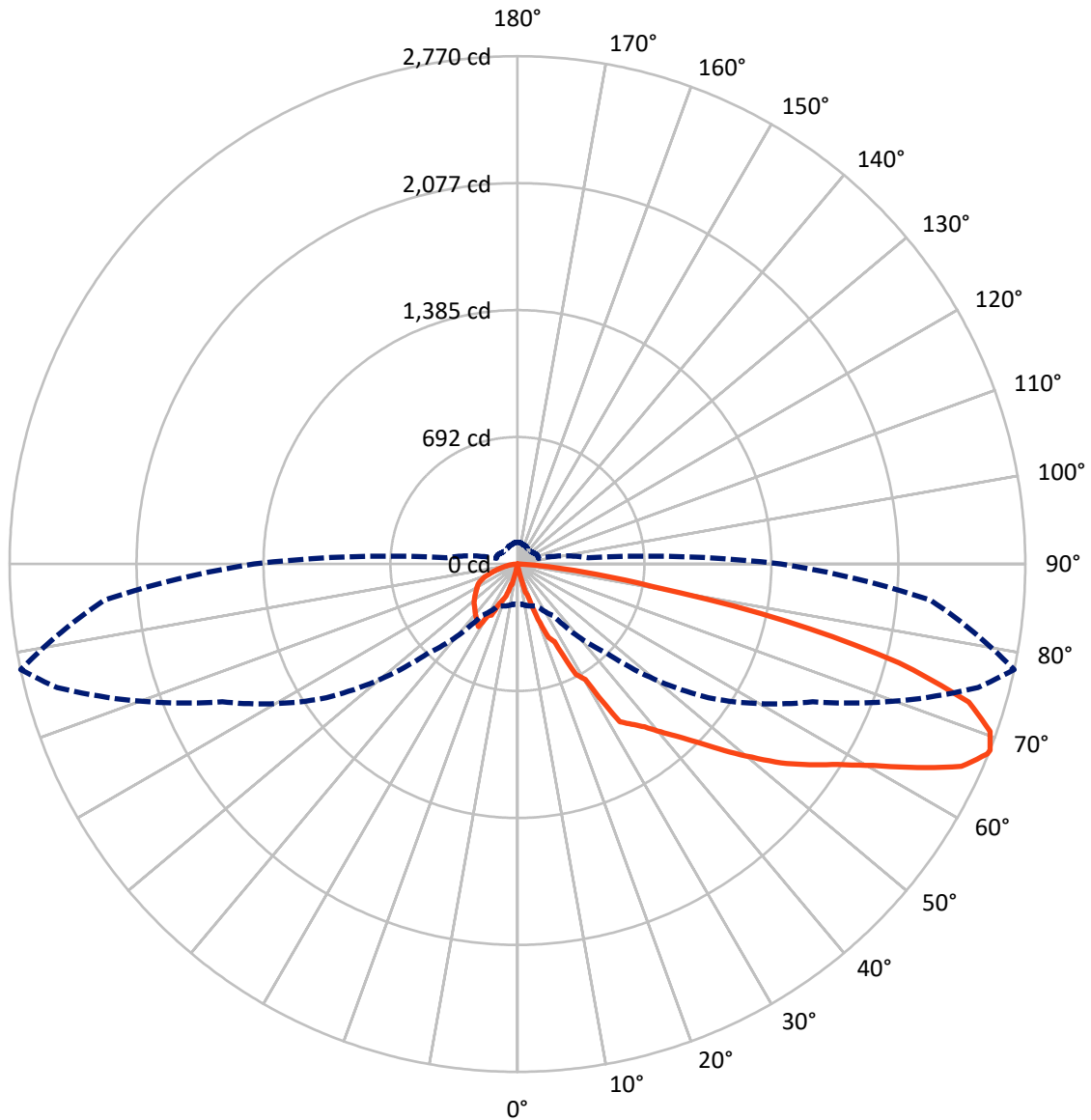
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 fc  
 Type II - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral      - - - Horizontal Cone Through 68-Deg Vertical



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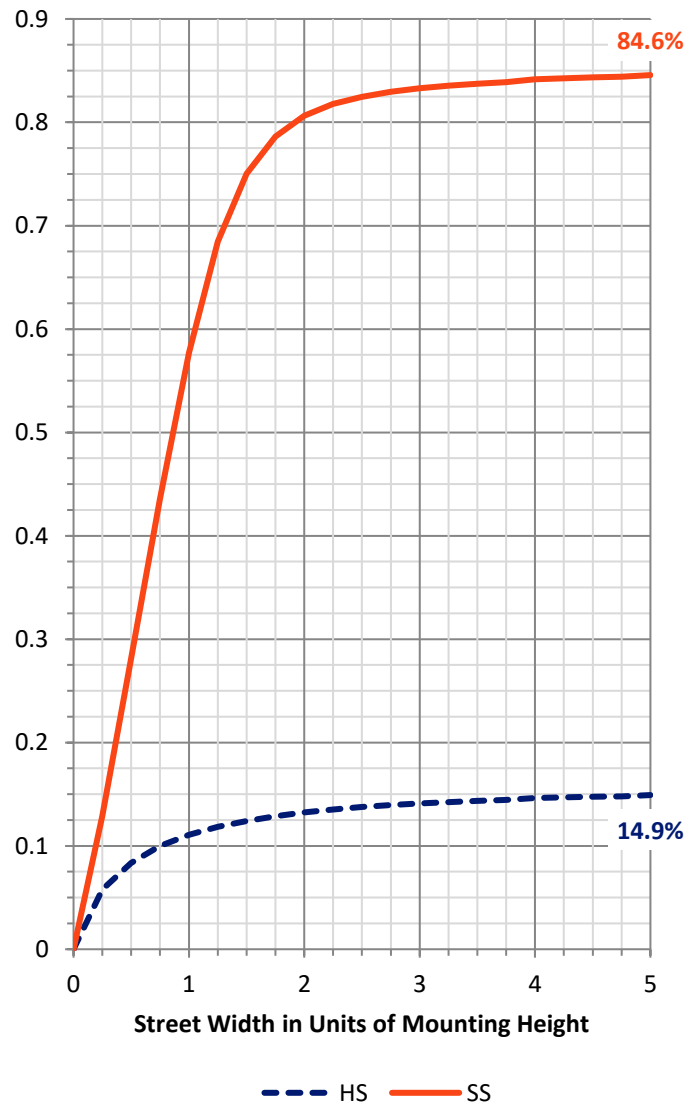
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	464.9	0.0	464.9
	% Fixture	15.2	0.0	15.2
<b>Street Side</b>	Lumens	2597.1	0.0	2597.1
	% Fixture	84.8	0.0	84.8
<b>Total</b>	Lumens	3062.0	0.0	3062.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	3.0	0.1
10°-20°	44.4	1.4
20°-30°	169.0	5.5
30°-40°	394.5	12.9
40°-50°	615.9	20.1
50°-60°	707.0	23.1
60°-70°	656.9	21.5
70°-80°	405.9	13.3
80°-90°	65.4	2.1
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°	3062.0	100.0
0°-180°	3062.0	100.0



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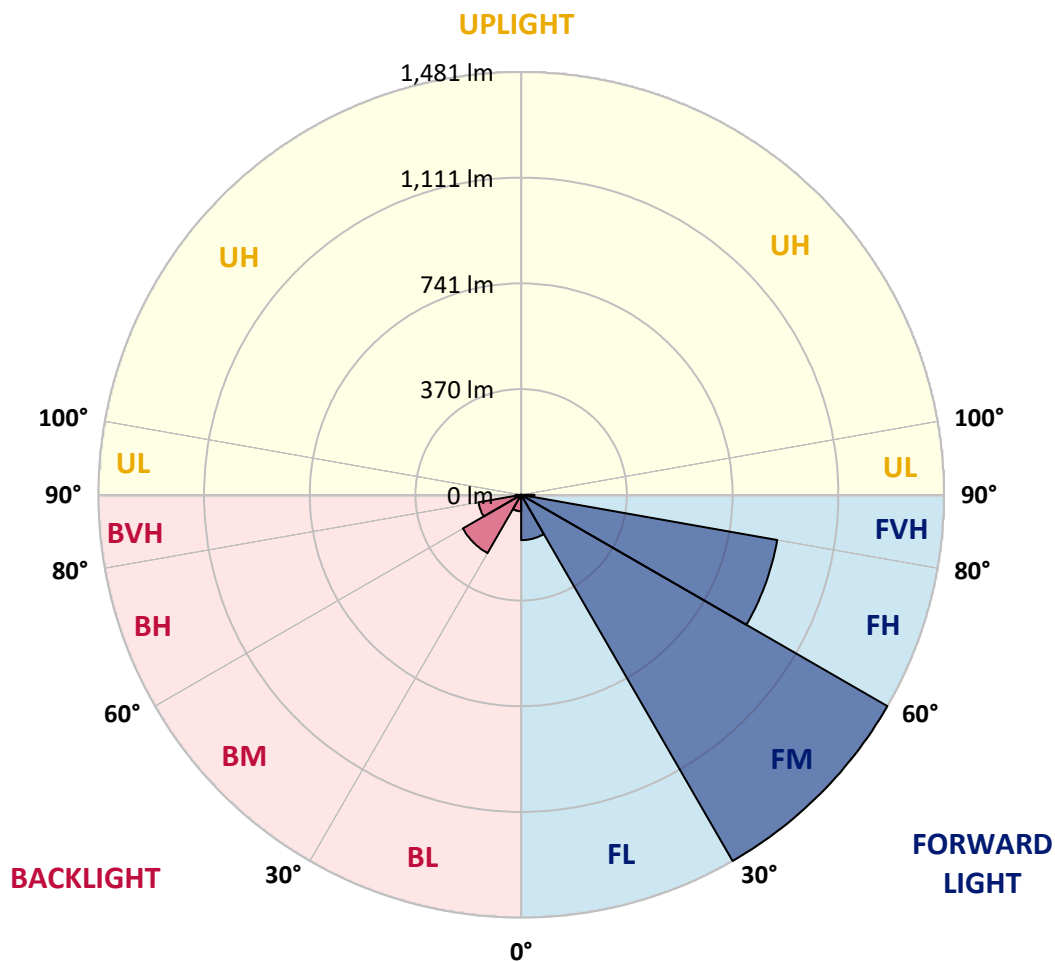
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	158.8	5.2			
FM (30°-60°)	1481.2	48.4			
FH (60°-80°)	910.9	29.7			G1/1800
FVH (80°-90°)	46.2	1.5			G1/100
BL (0°-30°)	57.6	1.9	B0/110		
BM (30°-60°)	236.2	7.7	B1/1000		
BH (60°-80°)	152.0	5.0	B1/500		G1/500
BVH (80°-90°)	19.1	0.6			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 II Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
2.5°	2.4	2.4	2.7	3.0	3.7	3.4	2.4	1.7	1.3	1.3	1.3
5°	108.5	99.8	55.8	28.9	10.1	6.0	3.0	2.4	1.7	1.7	1.3
7.5°	122.6	121.9	120.9	119.9	118.2	111.9	11.8	3.4	2.0	2.0	1.3
10°	132.4	131.4	130.7	130.0	127.7	124.3	118.6	10.4	3.7	3.4	3.0
12.5°	257.0	256.3	255.3	163.3	138.4	134.7	129.7	92.7	10.7	16.1	48.7
15°	256.3	255.3	258.3	263.7	268.1	147.5	148.8	260.4	161.2	154.9	164.9
17.5°	267.4	266.1	262.7	266.4	274.5	308.4	291.6	281.9	189.8	181.1	176.0
20°	392.0	392.0	396.1	392.7	284.9	394.1	373.2	302.7	343.0	322.5	300.0
22.5°	414.9	413.2	413.9	420.6	494.5	408.5	411.9	467.0	476.7	435.4	373.2
25°	589.9	589.6	566.4	444.4	521.4	492.5	569.1	499.5	517.0	468.3	457.9
27.5°	663.8	664.5	645.7	628.9	550.9	638.6	604.0	657.8	734.4	682.3	586.5
30°	893.3	884.5	736.7	720.2	674.2	673.2	731.3	776.7	755.2	730.7	655.1
32.5°	1061.6	1052.8	1020.2	906.4	801.5	749.8	840.2	812.6	985.3	1025.6	888.2
35°	1321.9	1318.9	1145.9	1028.3	941.3	906.7	882.8	990.0	1066.6	1072.6	946.0
37.5°	1521.8	1512.1	1410.6	1203.3	1059.5	979.6	1036.4	1038.0	1155.6	1127.1	1036.4
40°	1613.2	1607.1	1529.2	1334.7	1168.4	1078.0	1100.9	1110.6	1253.0	1203.7	1102.2
42.5°	1682.7	1675.3	1625.9	1413.6	1264.1	1177.8	1167.4	1176.1	1347.4	1287.3	1172.8
45°	1718.7	1714.3	1691.1	1469.7	1331.0	1241.3	1238.6	1233.9	1411.6	1390.4	1249.3
47.5°	1698.5	1693.8	1704.2	1546.0	1372.6	1293.4	1304.8	1296.4	1485.2	1519.8	1332.7
50°	1586.6	1591.0	1632.7	1549.0	1399.2	1335.7	1374.7	1353.8	1585.3	1656.2	1433.8
52.5°	1262.8	1280.6	1457.0	1481.8	1401.9	1355.5	1437.5	1441.5	1709.6	1802.0	1566.8
55°	942.3	967.5	1123.7	1317.9	1348.1	1356.2	1477.8	1521.8	1833.5	1931.6	1678.7
57.5°	741.7	757.2	856.6	1051.5	1218.4	1332.3	1519.1	1587.0	1948.8	2061.3	1788.5
60°	592.9	583.5	648.4	796.2	1015.5	1265.5	1537.2	1672.0	2092.2	2228.6	1917.9
62.5°	428.7	429.3	478.7	563.0	803.9	1133.5	1523.1	1754.3	2275.0	2444.9	2090.2
65°	304.0	307.0	340.6	386.0	581.2	952.0	1453.3	1810.4	2481.2	2661.3	2230.3
67.5°	231.5	233.5	249.3	270.4	375.6	724.3	1309.8	1798.9	2594.4	2763.8	2270.9
68°	222.1	218.7	236.5	252.0	345.7	686.7	1270.5	1776.1	2599.8	2769.5	2261.2
70°	187.1	187.1	195.2	198.9	244.9	507.6	1078.0	1638.0	2580.7	2734.2	2187.3
72.5°	156.2	155.2	159.9	156.9	173.0	332.2	783.1	1412.6	2443.9	2573.3	1967.2
75°	130.0	130.0	130.7	128.3	132.7	222.7	508.9	1106.6	2159.1	2148.7	1601.1
77.5°	110.9	108.2	107.5	104.1	107.8	161.9	312.1	787.4	1558.7	1502.6	1016.5
80°	88.0	87.7	88.4	86.3	89.4	117.9	190.1	460.2	848.9	747.1	474.0
82.5°	54.4	59.8	65.8	65.8	75.2	83.3	115.2	246.2	411.5	361.8	201.2
85°	17.8	21.8	38.6	40.0	48.4	39.0	66.2	79.3	137.4	122.6	38.6
87.5°	0.7	1.0	3.0	4.7	4.4	2.7	4.7	3.7	7.7	5.7	6.0
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°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
2.5°	1.3	1.3	1.3	1.7	1.7	1.0	0.7	1.3	1.3	1.3	1.3
5°	1.3	1.3	1.7	1.7	1.7	1.3	1.7	2.4	2.7	2.7	2.7
7.5°	1.3	1.3	1.3	2.0	2.0	2.4	3.4	20.2	46.4	50.7	50.1
10°	2.7	2.4	2.7	3.0	3.7	43.0	56.4	59.5	60.8	61.8	61.5
12.5°	64.5	57.8	10.7	6.0	40.6	60.5	61.5	63.8	66.2	67.2	67.2
15°	151.2	135.4	103.5	77.9	69.5	64.5	65.5	86.0	116.9	119.9	120.3
17.5°	160.6	140.8	108.2	119.3	123.0	95.7	105.1	118.2	119.6	119.9	119.9
20°	302.7	253.6	153.9	125.6	125.3	160.2	112.2	115.6	117.6	133.7	135.7
22.5°	327.5	271.8	184.8	178.4	135.0	160.2	146.8	142.8	156.2	154.9	155.9
25°	411.9	326.2	194.5	179.1	189.1	155.2	172.3	142.1	144.5	143.8	143.8
27.5°	523.7	411.5	271.8	200.6	183.8	179.4	159.6	136.7	163.9	164.6	164.6
30°	554.6	423.3	271.8	216.7	191.1	176.4	147.5	161.6	152.5	149.8	148.5
32.5°	768.6	574.1	328.9	208.6	188.5	161.9	161.6	150.2	149.8	155.9	155.9
35°	807.6	582.9	300.3	238.5	177.7	167.0	153.5	151.8	145.1	142.8	142.4
37.5°	846.2	588.2	278.5	219.0	182.4	159.2	151.2	139.4	146.8	146.8	146.1
40°	887.5	593.9	258.7	201.2	167.6	159.2	140.1	139.1	129.0	129.7	129.0
42.5°	931.9	596.3	237.5	186.4	153.9	149.5	135.4	125.0	124.6	127.0	126.3
45°	982.6	599.3	218.0	167.6	140.1	131.7	120.9	121.6	128.0	133.4	133.4
47.5°	1036.7	602.0	201.9	150.8	130.3	119.6	111.5	114.2	125.6	131.0	132.7
50°	1109.9	605.4	183.4	137.1	123.6	110.5	109.2	111.5	124.0	128.0	126.3
52.5°	1187.9	599.3	165.3	128.3	116.6	100.4	102.8	108.8	122.3	124.3	123.0
55°	1251.7	584.2	151.2	122.6	111.5	96.1	99.4	106.8	119.6	120.6	120.9
57.5°	1325.9	564.4	140.1	118.2	108.5	94.1	98.1	106.5	114.2	118.9	118.9
60°	1398.8	541.2	133.4	115.9	106.2	94.1	98.1	106.2	113.2	118.2	117.9
62.5°	1484.2	515.0	129.3	117.2	103.1	95.1	98.8	107.2	112.9	118.6	117.9
65°	1514.1	464.9	126.3	119.3	102.8	96.4	99.1	108.5	112.5	119.3	118.6
67.5°	1454.9	398.8	121.3	119.3	105.8	98.1	98.8	107.8	111.5	119.6	116.6
68°	1435.1	389.0	119.6	118.9	106.2	98.4	98.8	107.5	110.9	119.3	115.9
70°	1324.9	327.2	111.2	115.6	107.5	99.8	97.1	105.1	107.5	118.6	114.6
72.5°	1146.6	255.0	97.1	107.5	106.2	101.8	94.1	100.4	101.8	110.9	104.1
75°	916.8	193.8	80.3	93.4	99.8	101.8	89.7	94.1	93.7	98.1	92.0
77.5°	576.5	138.4	64.8	79.3	90.7	99.1	85.7	85.7	81.6	82.3	79.6
80°	279.5	94.7	52.4	65.5	75.9	93.7	78.6	72.2	67.2	65.8	62.5
82.5°	137.4	61.1	36.3	49.4	60.1	77.6	70.5	59.5	50.7	50.1	44.7
85°	31.9	25.2	19.8	26.2	38.0	50.7	50.7	37.3	31.6	41.0	30.2
87.5°	3.0	3.7	4.0	3.7	4.7	4.4	10.7	10.7	9.7	6.4	4.4
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)