

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: P414905

Luminaire Tested: **LXF.LXT-PA1-30-830-U-T3**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414905
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-2)
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-T3
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3121 lumens
Efficiency: N/A
Efficacy: 100.7 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): 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

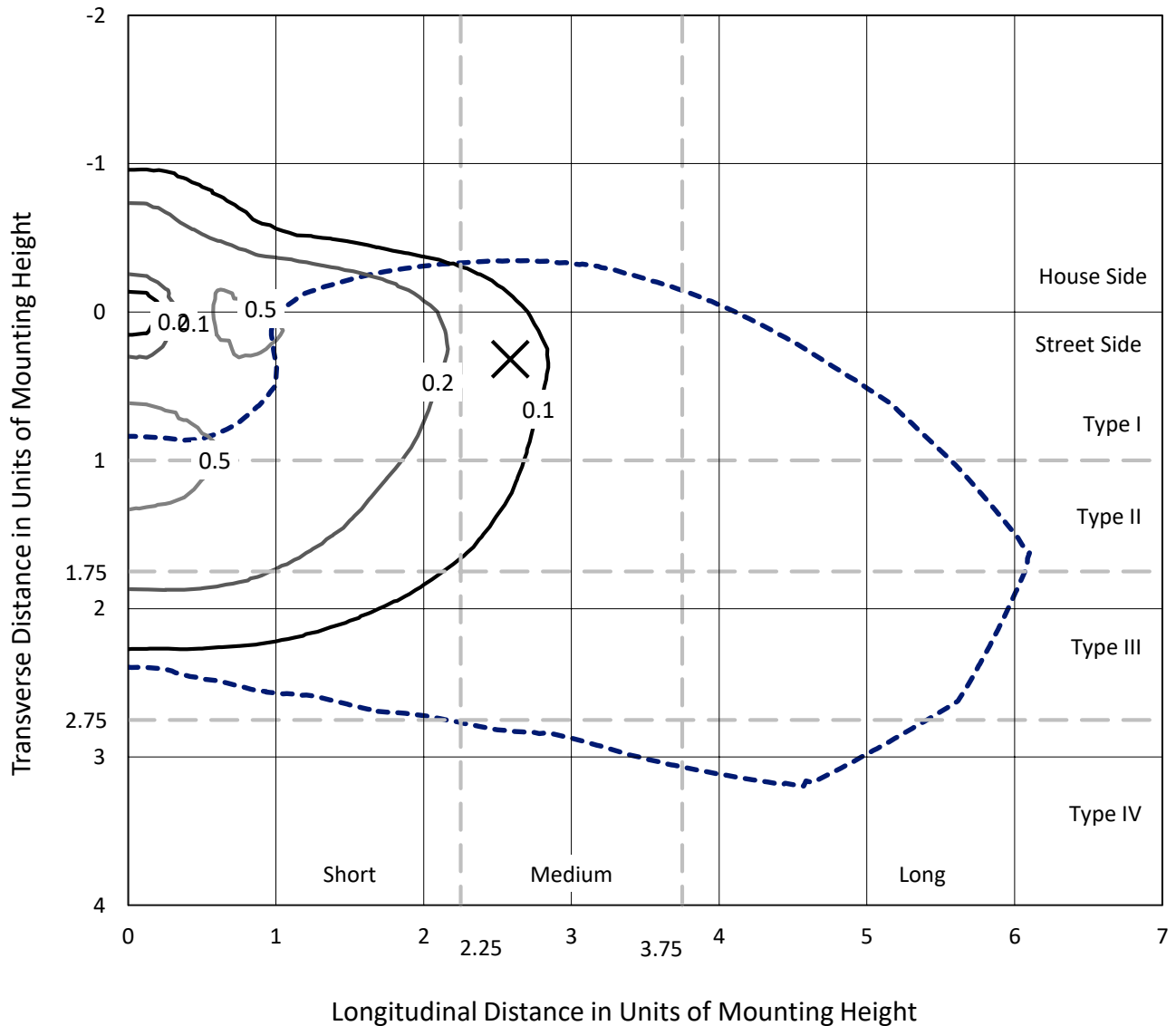


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

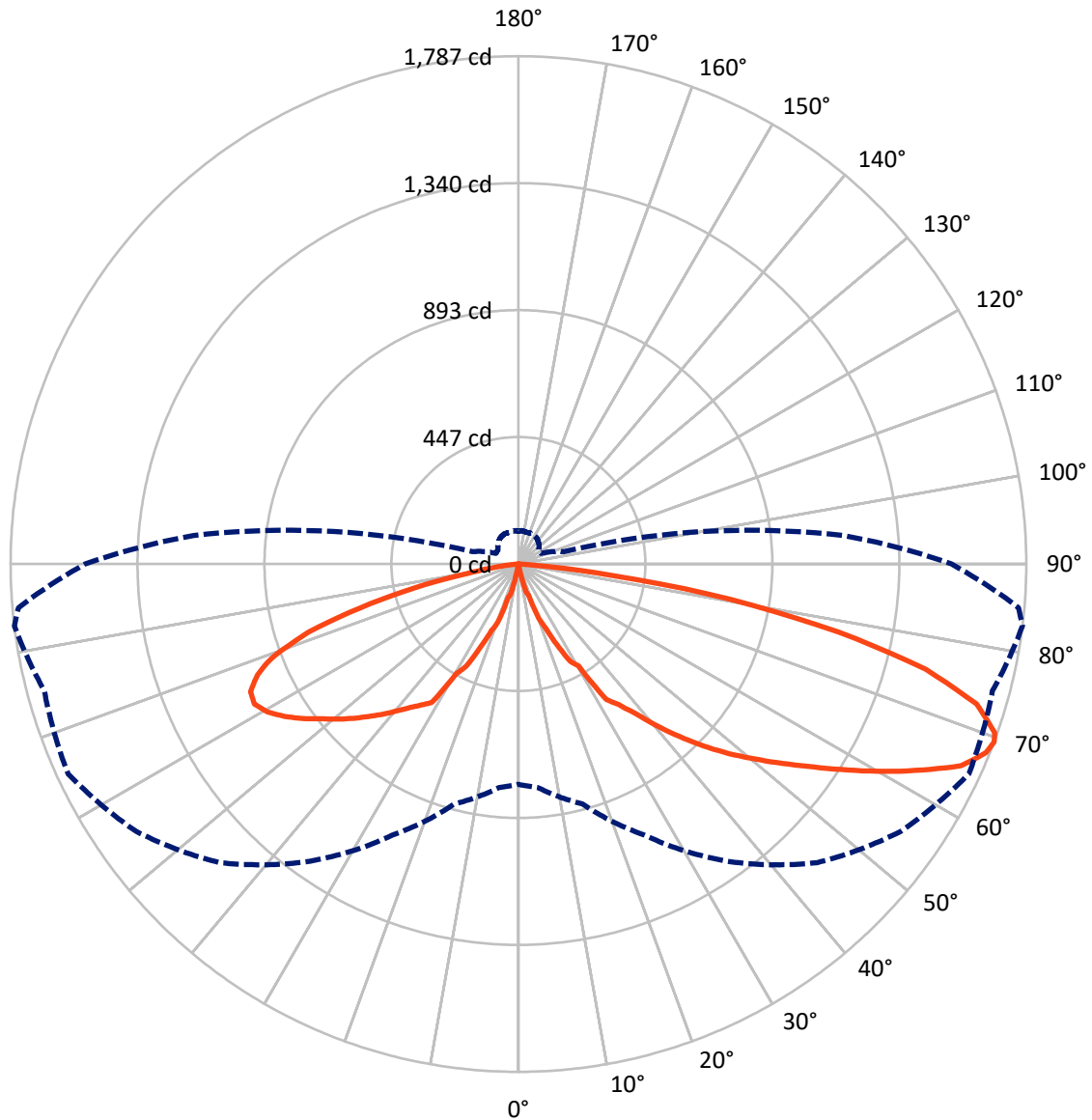


Based on 25 foot mounting height. Maximum calculated value = 0.7 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 83-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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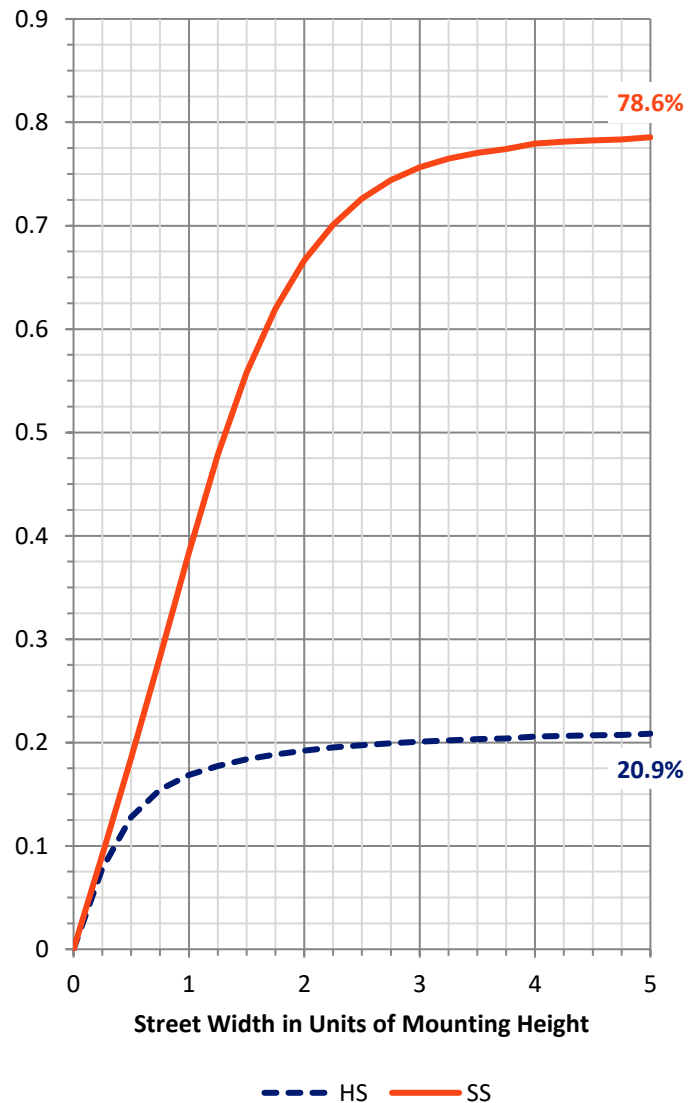
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	662.0	0.0	662.0
	% Fixture	21.2	0.0	21.2
Street Side	Lumens	2459.0	0.0	2459.0
	% Fixture	78.8	0.0	78.8
Total	Lumens	3121.0	0.0	3121.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.0	0.1
10°-20°	31.7	1.0
20°-30°	125.2	4.0
30°-40°	278.5	8.9
40°-50°	472.9	15.2
50°-60°	704.8	22.6
60°-70°	830.0	26.6
70°-80°	581.0	18.6
80°-90°	94.8	3.0
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°	3121.0	100.0
0°-180°	3121.0	100.0



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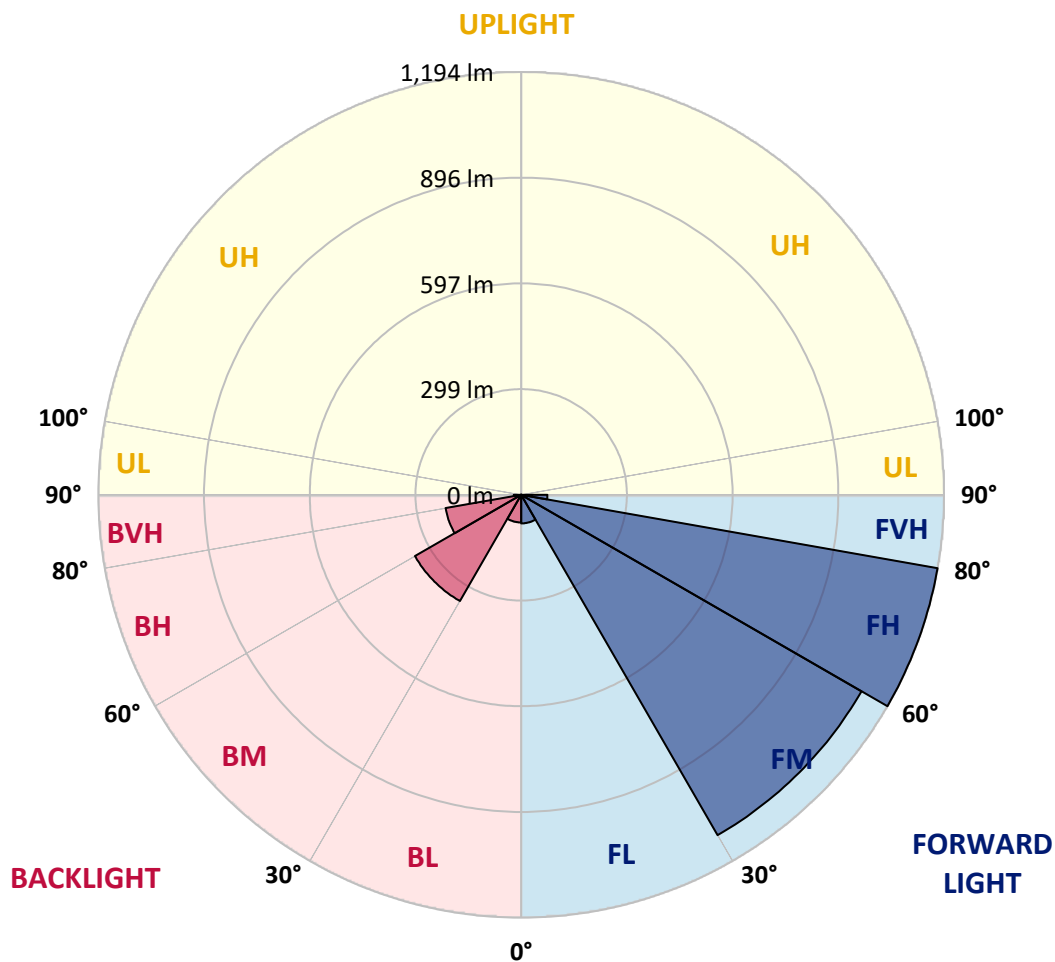
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	80.8	2.6			
FM (30°-60°)	1109.9	35.6			
FH (60°-80°)	1194.2	38.3			G1/1800
FVH (80°-90°)	74.1	2.4			G1/100
BL (0°-30°)	78.1	2.5	B0/110		
BM (30°-60°)	346.4	11.1	B1/1000		
BH (60°-80°)	216.8	6.9	B1/500		G1/500
BVH (80°-90°)	20.7	0.7			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°	55°	65°	75°	83°	85°
0°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2.5°	1.7	1.3	1.7	2.0	2.0	1.7	1.3	1.3	1.3	1.3	1.0
5°	27.2	19.8	17.8	15.8	9.4	3.4	2.0	1.3	1.3	1.3	1.3
7.5°	57.5	57.5	57.5	57.8	57.5	42.7	10.1	2.4	1.3	1.3	1.3
10°	58.1	57.8	57.5	57.8	58.5	58.8	56.8	8.1	3.4	3.0	3.0
12.5°	105.2	104.5	100.8	70.6	59.8	60.1	61.5	44.4	16.1	42.7	49.7
15°	111.5	110.9	110.9	111.2	105.5	65.5	92.4	121.0	86.0	102.8	104.5
17.5°	125.0	121.3	118.3	116.3	116.9	130.4	131.0	133.7	100.1	115.2	117.3
20°	191.5	190.2	179.4	137.4	128.3	169.3	150.9	148.5	187.5	203.6	207.0
22.5°	218.7	217.4	209.7	202.3	211.0	184.5	214.7	221.4	254.0	244.3	247.3
25°	297.0	296.0	253.0	234.2	257.4	212.0	265.1	253.7	280.6	312.8	316.2
27.5°	363.5	361.2	352.5	315.8	287.3	317.8	293.3	339.0	381.0	386.4	396.5
30°	431.7	416.3	389.4	390.8	353.8	350.4	349.4	406.9	408.2	416.6	433.8
32.5°	543.3	536.2	513.7	444.2	436.1	389.4	430.1	433.8	533.2	568.2	571.5
35°	632.7	602.4	581.3	542.0	480.8	495.9	479.1	545.7	585.0	607.5	621.2
37.5°	775.1	779.2	744.6	601.4	563.1	545.7	574.9	610.8	659.9	665.3	686.1
40°	877.6	874.9	828.2	722.7	637.0	619.2	638.7	674.0	740.5	747.2	752.3
42.5°	1026.8	1013.7	948.5	829.9	750.6	713.0	718.4	733.1	799.7	829.6	823.5
45°	1164.9	1156.1	1090.3	944.1	858.1	814.1	806.0	792.9	872.9	912.9	901.8
47.5°	1273.1	1257.6	1220.0	1071.1	1005.0	930.0	889.7	865.9	945.5	996.6	981.1
50°	1389.0	1365.5	1331.5	1197.1	1132.0	1065.1	976.4	946.5	1027.1	1077.9	1065.4
52.5°	1465.9	1429.3	1408.1	1309.4	1249.2	1190.8	1060.7	1040.6	1116.8	1165.6	1162.9
55°	1427.3	1425.9	1447.5	1385.0	1326.5	1264.7	1148.4	1147.4	1210.6	1260.6	1263.0
57.5°	1360.1	1367.2	1428.3	1437.7	1412.8	1340.3	1256.9	1267.0	1320.8	1367.2	1372.2
60°	1274.4	1293.9	1381.9	1431.7	1451.5	1415.5	1361.4	1376.9	1441.1	1481.1	1479.7
62.5°	1161.2	1177.0	1286.5	1399.1	1439.4	1473.3	1457.9	1507.6	1558.3	1596.0	1605.7
65°	1027.5	1033.8	1152.5	1304.3	1408.5	1502.9	1538.5	1628.9	1653.4	1711.2	1713.2
67.5°	879.3	881.3	984.5	1165.6	1341.3	1500.5	1607.0	1718.6	1712.2	1773.7	1769.0
69°	775.1	789.6	874.3	1052.7	1276.1	1486.1	1641.0	1748.2	1726.7	1786.8	1766.3
70°	701.9	700.9	797.6	956.9	1218.6	1467.6	1662.5	1755.9	1727.0	1777.7	1746.8
72.5°	447.2	453.9	537.6	679.0	982.1	1360.8	1689.0	1735.4	1690.0	1685.0	1618.8
75°	197.6	179.4	231.8	359.5	617.6	1058.4	1625.2	1643.0	1584.9	1481.1	1367.5
77.5°	69.2	71.9	87.4	146.2	297.4	630.7	1347.0	1445.4	1399.7	1150.1	1023.4
80°	49.4	49.7	58.5	81.6	144.1	222.4	857.5	1045.6	1077.2	758.3	651.8
82.5°	34.9	34.9	43.3	52.1	99.8	99.5	368.9	575.2	614.5	336.3	251.7
85°	29.2	29.9	33.3	30.2	58.5	50.7	91.1	177.4	145.5	41.0	36.0
87.5°	4.4	4.0	11.4	10.1	8.7	7.4	10.1	11.4	7.7	6.0	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2.5°	1.3	1.3	1.3	1.3	1.0	0.7	0.7	0.7	1.0	1.0	1.0
5°	1.3	1.3	1.3	1.3	1.3	1.3	1.7	2.4	2.7	3.0	3.0
7.5°	1.3	1.3	1.3	1.7	2.0	3.0	16.5	57.1	62.5	65.2	66.9
10°	2.7	3.0	3.0	3.0	7.4	63.2	75.3	78.0	80.6	82.0	81.6
12.5°	52.1	53.8	13.4	9.7	58.8	79.0	81.3	84.0	86.7	88.7	88.4
15°	107.2	109.9	105.5	109.2	115.9	85.7	87.7	148.5	160.9	163.3	163.6
17.5°	119.6	121.6	123.6	160.9	165.0	127.0	151.9	163.0	164.3	165.0	165.3
20°	227.8	226.8	183.5	176.4	174.7	220.4	161.3	164.3	196.6	223.8	225.1
22.5°	251.3	254.3	242.3	259.0	229.5	223.1	203.3	217.7	229.8	229.5	228.5
25°	325.9	329.9	277.9	269.5	275.2	221.8	253.7	217.4	220.7	221.1	223.1
27.5°	407.6	408.6	385.7	303.4	270.8	274.5	238.9	231.5	258.7	260.4	260.4
30°	443.8	450.2	407.6	351.4	280.6	259.4	231.5	252.3	240.2	242.3	242.3
32.5°	589.7	584.6	532.2	348.1	290.6	238.6	241.9	233.9	259.0	265.8	266.4
35°	628.0	617.6	535.2	389.1	271.1	243.6	221.1	237.5	237.5	237.2	235.5
37.5°	675.3	657.2	528.9	360.2	272.8	222.4	213.4	213.7	233.2	237.5	234.5
40°	731.5	704.2	527.8	336.3	247.3	210.7	195.9	205.6	205.3	199.6	196.2
42.5°	792.3	756.3	525.5	308.1	222.1	197.6	184.8	181.8	183.5	173.0	172.0
45°	863.5	810.1	518.8	283.2	201.9	183.5	169.0	164.3	165.0	156.9	154.9
47.5°	939.1	865.5	517.1	263.8	185.1	169.3	157.6	151.5	153.9	144.8	142.8
50°	1023.4	922.6	511.4	245.6	166.7	156.2	147.5	140.4	140.8	133.7	132.0
52.5°	1115.2	978.1	505.0	220.7	149.9	145.1	140.1	134.7	140.8	131.4	129.4
55°	1209.2	1045.6	496.6	191.9	134.7	136.7	131.7	135.7	144.5	129.7	127.0
57.5°	1313.7	1109.1	480.8	160.3	122.6	127.3	130.7	136.1	143.1	129.4	124.3
60°	1412.8	1170.3	443.2	135.4	112.2	119.6	128.7	134.1	133.4	127.0	123.6
62.5°	1513.6	1220.7	373.6	116.3	103.5	115.9	125.7	128.0	125.0	122.6	120.6
65°	1569.1	1233.1	289.6	103.5	96.4	110.9	122.0	124.0	119.6	119.6	117.9
67.5°	1560.0	1193.1	213.7	93.1	90.4	105.8	115.6	120.3	117.3	119.6	116.9
69°	1523.7	1147.4	168.0	87.7	87.4	101.8	111.9	117.3	114.9	118.3	114.9
70°	1481.1	1101.4	148.5	84.7	84.3	98.8	109.5	114.9	112.2	114.9	111.9
72.5°	1317.4	945.1	106.5	76.3	77.3	92.7	103.8	107.9	105.5	106.2	102.1
75°	1053.3	702.6	84.3	69.2	70.2	85.7	97.4	99.8	98.1	95.1	92.7
77.5°	740.5	452.9	69.2	62.8	63.2	77.3	90.7	90.4	87.7	84.7	81.6
80°	403.9	213.0	58.8	55.1	56.1	68.9	81.0	80.0	76.6	73.6	69.9
82.5°	174.7	86.0	45.7	44.0	47.0	57.8	69.6	66.9	63.8	65.2	50.7
85°	31.2	29.6	26.5	28.2	31.9	41.0	49.1	46.7	45.0	38.3	35.3
87.5°	2.7	4.0	4.0	5.0	7.1	7.7	13.8	10.1	10.4	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

(END OF REPORT)