

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: P415251

Luminaire Tested: **LXF.LXT-PA1-40-827-U-T2R**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415251
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-PA1-40-827-U-T2R
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3668 lumens
Efficiency: N/A
Efficacy: 91.7 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

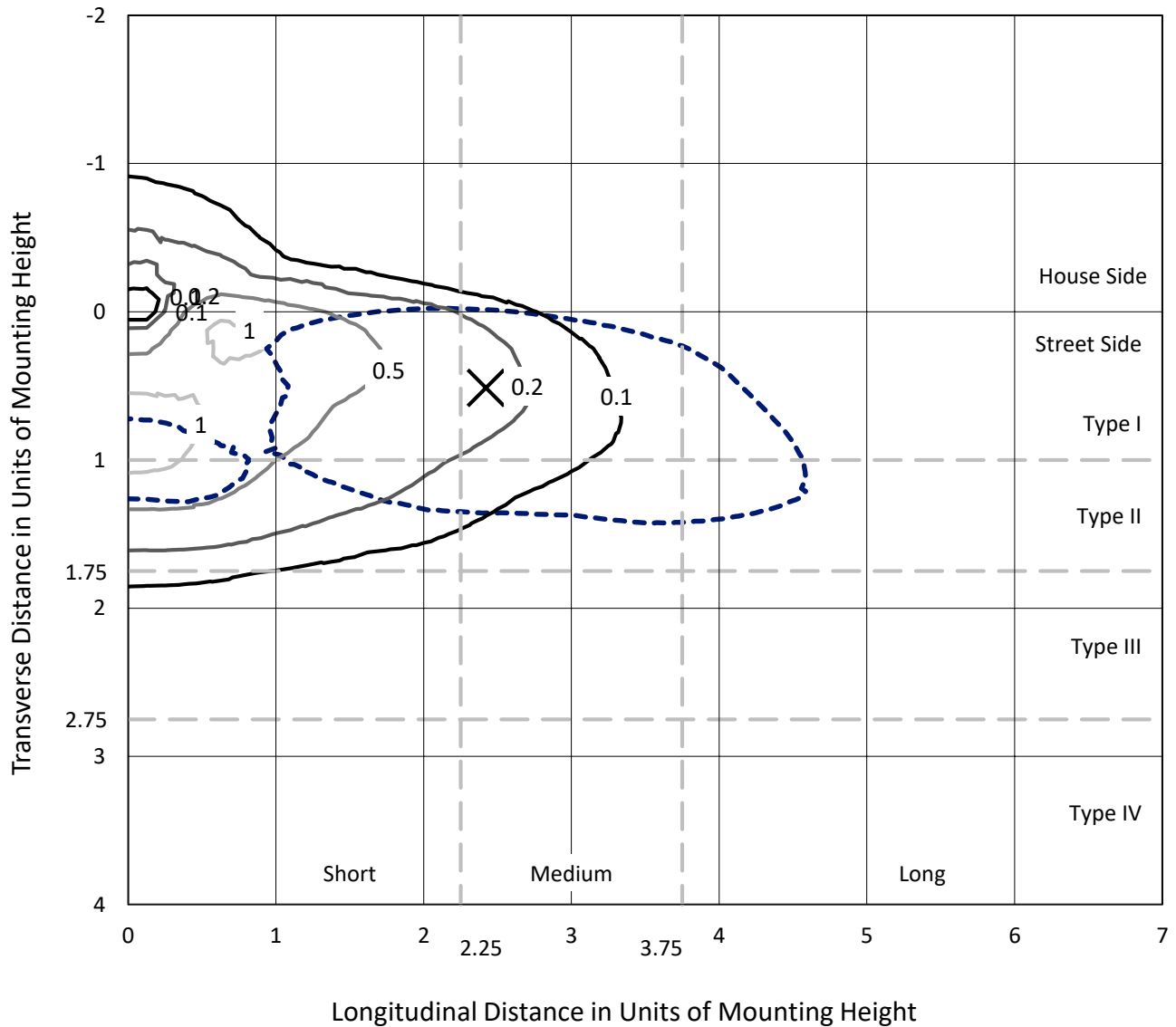
Input Watts (W): 40
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P415251
 CATALOG NUMBER: LXF.LXT-PA1-40-827-U-T2R

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

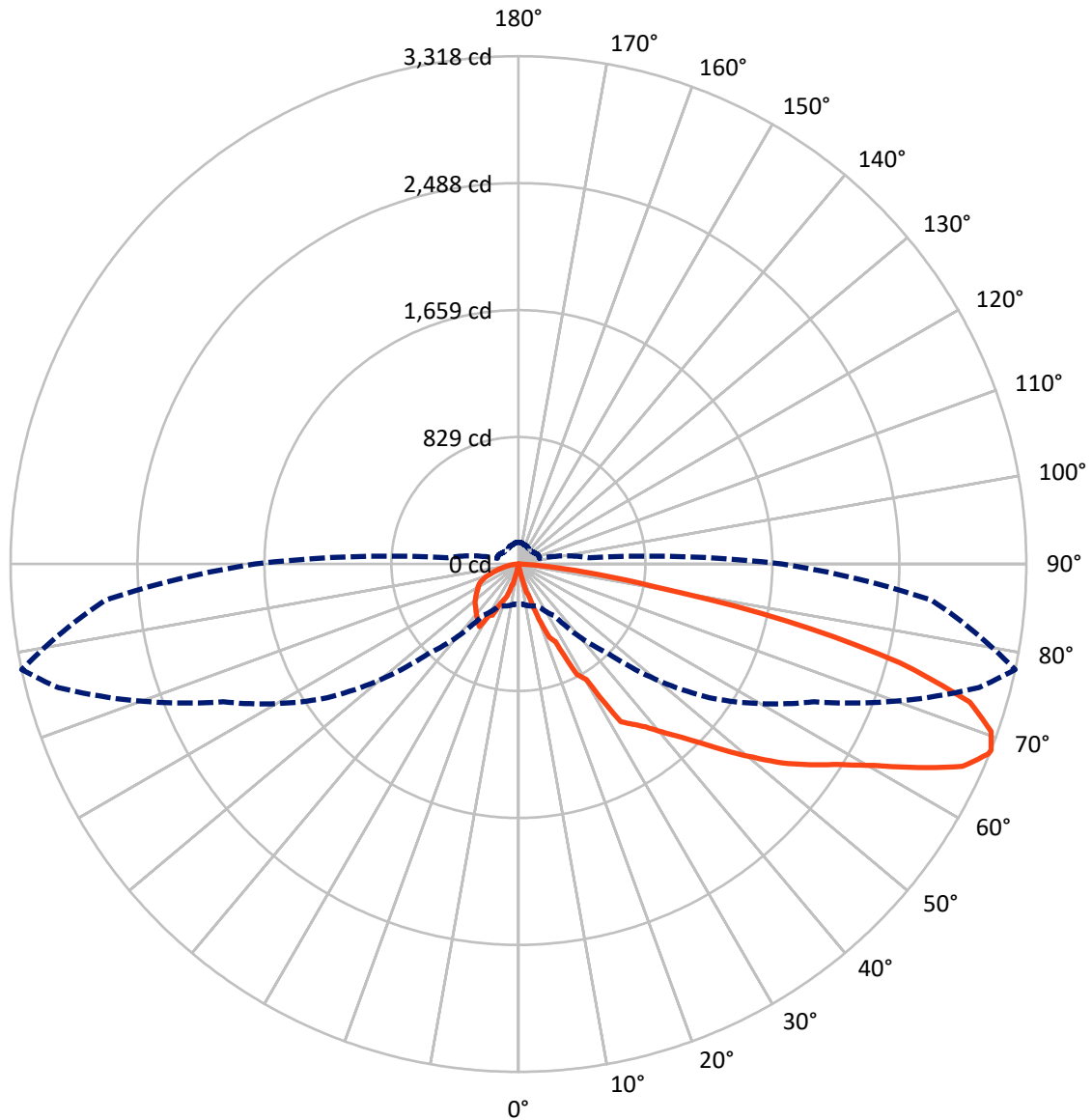


Based on 25 foot mounting height. Maximum calculated value = 1.4 fc
 Type II - Medium - Non-Cutoff

REPORT NUMBER: P415251

CATALOG NUMBER: LXF.LXT-PA1-40-827-U-T2R

Luminous Intensity Polar Plot



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

REPORT NUMBER: P415251

CATALOG NUMBER: LXF.LXT-PA1-40-827-U-T2R

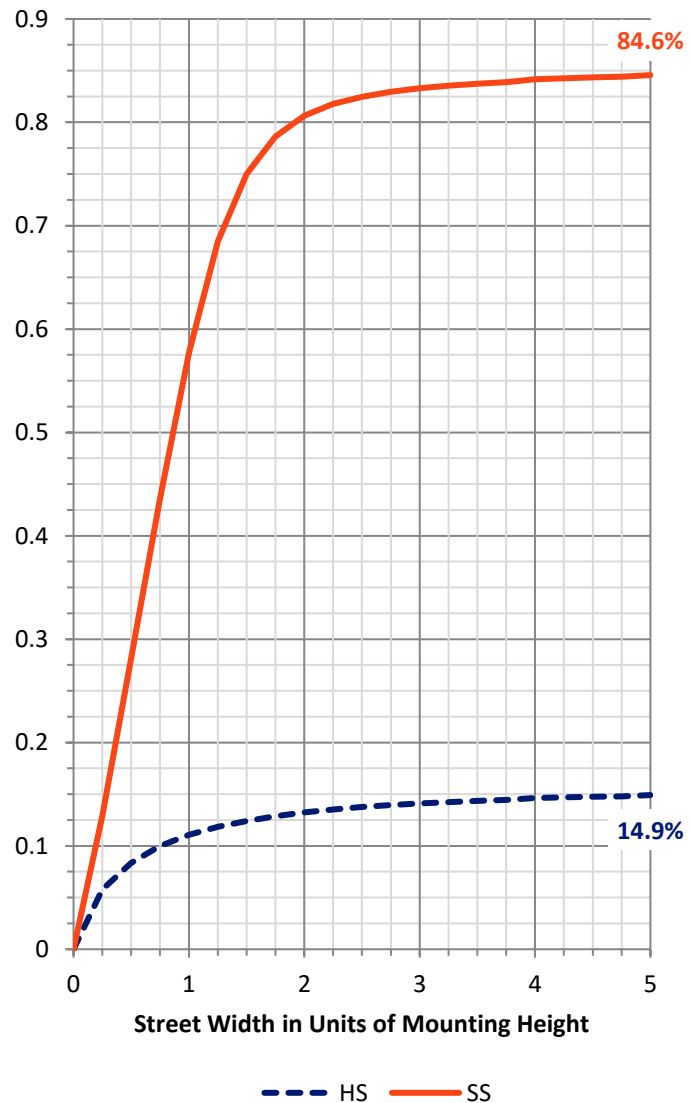
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	556.9	0.0	556.9
	% Fixture	15.2	0.0	15.2
Street Side	Lumens	3111.1	0.0	3111.1
	% Fixture	84.8	0.0	84.8
Total	Lumens	3668.0	0.0	3668.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.6	0.1
10°-20°	53.2	1.4
20°-30°	202.4	5.5
30°-40°	472.6	12.9
40°-50°	737.8	20.1
50°-60°	846.9	23.1
60°-70°	787.0	21.5
70°-80°	486.3	13.3
80°-90°	78.3	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°	3668.0	100.0
0°-180°	3668.0	100.0



REPORT NUMBER: P415251

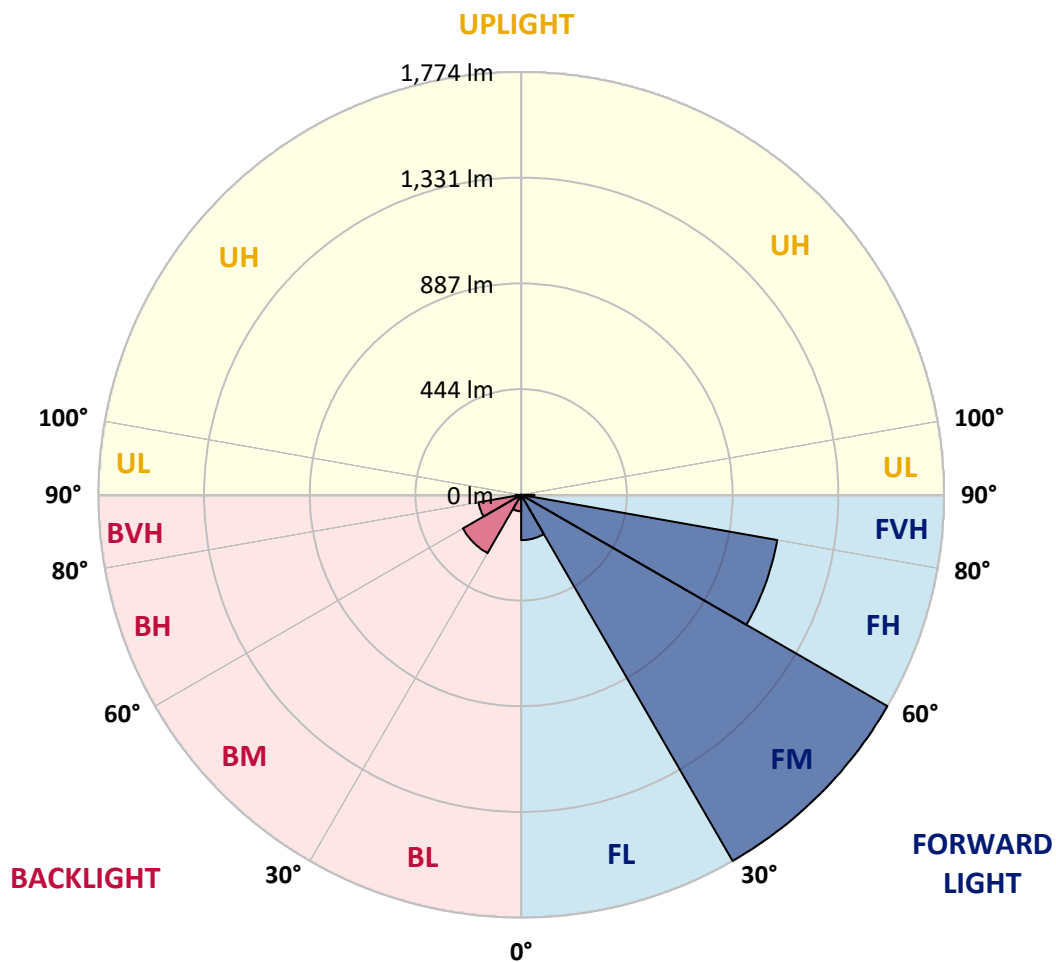
CATALOG NUMBER: LXF.LXT-PA1-40-827-U-T2R

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	190.2	5.2			
FM (30°-60°)	1774.3	48.4			
FH (60°-80°)	1091.2	29.7			G1/1800
FVH (80°-90°)	55.4	1.5			G1/100
BL (0°-30°)	69.0	1.9	B0/110		
BM (30°-60°)	282.9	7.7	B1/1000		
BH (60°-80°)	182.0	5.0	B1/500		G1/500
BVH (80°-90°)	22.9	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





REPORT NUMBER: P415251

CATALOG NUMBER: LXF.LXT-PA1-40-827-U-T2R

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
2.5°	2.8	2.8	3.2	3.6	4.4	4.0	2.8	2.0	1.6	1.6	1.6
5°	130.0	119.5	66.8	34.6	12.1	7.2	3.6	2.8	2.0	2.0	1.6
7.5°	146.9	146.1	144.9	143.7	141.7	134.0	14.1	4.0	2.4	2.4	1.6
10°	158.6	157.3	156.5	155.7	152.9	148.9	142.1	12.5	4.4	4.0	3.6
12.5°	307.9	307.0	305.8	195.6	165.8	161.4	155.3	111.1	12.9	19.3	58.4
15°	307.0	305.8	309.5	315.9	321.1	176.7	178.3	311.9	193.2	185.5	197.6
17.5°	320.3	318.7	314.7	319.1	328.8	369.4	349.3	337.6	227.4	216.9	210.9
20°	469.6	469.6	474.5	470.4	341.3	472.0	447.1	362.6	410.9	386.3	359.4
22.5°	497.0	495.0	495.8	503.8	592.4	489.3	493.4	559.4	571.0	521.5	447.1
25°	706.7	706.3	678.5	532.4	624.6	590.0	681.7	598.4	619.3	561.0	548.5
27.5°	795.2	796.0	773.5	753.3	660.0	765.0	723.6	787.9	879.7	817.3	702.6
30°	1070.0	1059.6	882.5	862.8	807.7	806.5	876.1	930.4	904.6	875.3	784.7
32.5°	1271.7	1261.2	1222.2	1085.7	960.2	898.2	1006.5	973.5	1180.3	1228.6	1064.0
35°	1583.5	1579.9	1372.7	1231.8	1127.6	1086.1	1057.6	1185.9	1277.7	1284.9	1133.2
37.5°	1823.0	1811.3	1689.8	1441.5	1269.2	1173.5	1241.5	1243.5	1384.3	1350.1	1241.5
40°	1932.4	1925.2	1831.8	1598.8	1399.6	1291.4	1318.7	1330.4	1501.0	1441.9	1320.3
42.5°	2015.7	2006.9	1947.7	1693.4	1514.3	1410.9	1398.4	1408.9	1614.1	1542.1	1404.9
45°	2058.8	2053.6	2025.8	1760.6	1594.4	1486.9	1483.7	1478.1	1691.0	1665.6	1496.6
47.5°	2034.6	2029.0	2041.5	1851.9	1644.3	1549.3	1563.0	1552.9	1779.1	1820.6	1596.4
50°	1900.6	1905.9	1955.8	1855.6	1676.1	1600.0	1646.7	1621.8	1899.0	1983.9	1717.5
52.5°	1512.7	1534.0	1745.3	1775.1	1679.3	1623.8	1722.0	1726.8	2047.9	2158.6	1876.9
55°	1128.8	1159.0	1346.1	1578.7	1614.9	1624.6	1770.3	1823.0	2196.4	2313.9	2010.9
57.5°	888.5	907.1	1026.2	1259.6	1459.6	1596.0	1819.8	1901.0	2334.5	2469.3	2142.5
60°	710.3	699.0	776.7	953.7	1216.5	1515.9	1841.5	2002.9	2506.3	2669.7	2297.4
62.5°	513.5	514.3	573.5	674.5	963.0	1357.8	1824.6	2101.4	2725.2	2928.8	2503.9
65°	364.2	367.8	408.1	462.4	696.2	1140.5	1740.9	2168.7	2972.3	3188.0	2671.7
67.5°	277.3	279.7	298.6	323.9	449.9	867.6	1569.0	2155.0	3107.9	3310.7	2720.4
68°	266.0	262.0	283.3	301.8	414.1	822.6	1522.0	2127.6	3114.3	3317.6	2708.7
70°	224.1	224.1	233.8	238.2	293.4	608.1	1291.4	1962.2	3091.4	3275.3	2620.2
72.5°	187.1	185.9	191.6	187.9	207.2	398.0	938.0	1692.2	2927.6	3082.6	2356.6
75°	155.7	155.7	156.5	153.7	159.0	266.8	609.7	1325.6	2586.4	2573.9	1917.9
77.5°	132.8	129.6	128.8	124.8	129.2	194.0	373.9	943.3	1867.2	1800.0	1217.7
80°	105.4	105.0	105.8	103.4	107.0	141.3	227.8	551.3	1016.9	895.0	567.8
82.5°	65.2	71.6	78.9	78.9	90.1	99.8	138.0	295.0	493.0	433.4	241.1
85°	21.3	26.2	46.3	47.9	57.9	46.7	79.3	95.0	164.6	146.9	46.3
87.5°	0.8	1.2	3.6	5.6	5.2	3.2	5.6	4.4	9.3	6.8	7.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P415251

CATALOG NUMBER: LXF.LXT-PA1-40-827-U-T2R

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
2.5°	1.6	1.6	1.6	2.0	2.0	1.2	0.8	1.6	1.6	1.6	1.6
5°	1.6	1.6	2.0	2.0	2.0	1.6	2.0	2.8	3.2	3.2	3.2
7.5°	1.6	1.6	1.6	2.4	2.4	2.8	4.0	24.1	55.5	60.8	60.0
10°	3.2	2.8	3.2	3.6	4.4	51.5	67.6	71.2	72.8	74.0	73.6
12.5°	77.3	69.2	12.9	7.2	48.7	72.4	73.6	76.5	79.3	80.5	80.5
15°	181.1	162.2	123.9	93.4	83.3	77.3	78.5	103.0	140.0	143.7	144.1
17.5°	192.4	168.6	129.6	142.9	147.3	114.7	126.0	141.7	143.3	143.7	143.7
20°	362.6	303.8	184.3	150.5	150.1	192.0	134.4	138.4	140.8	160.2	162.6
22.5°	392.4	325.6	221.3	213.7	161.8	192.0	175.9	171.0	187.1	185.5	186.7
25°	493.4	390.8	233.0	214.5	226.6	185.9	206.4	170.2	173.0	172.2	172.2
27.5°	627.4	493.0	325.6	240.2	220.1	214.9	191.2	163.8	196.4	197.2	197.2
30°	664.4	507.1	325.6	259.6	229.0	211.3	176.7	193.6	182.7	179.5	177.9
32.5°	920.7	687.7	394.0	249.9	225.8	194.0	193.6	179.9	179.5	186.7	186.7
35°	967.4	698.2	359.8	285.7	212.9	200.0	183.9	181.9	173.8	171.0	170.6
37.5°	1013.7	704.6	333.6	262.4	218.5	190.7	181.1	167.0	175.9	175.9	175.1
40°	1063.2	711.5	309.9	241.1	200.8	190.7	167.8	166.6	154.5	155.3	154.5
42.5°	1116.3	714.3	284.5	223.3	184.3	179.1	162.2	149.7	149.3	152.1	151.3
45°	1177.1	717.9	261.2	200.8	167.8	157.7	144.9	145.7	153.3	159.8	159.8
47.5°	1241.9	721.1	241.9	180.7	156.1	143.3	133.6	136.8	150.5	156.9	159.0
50°	1329.6	725.2	219.7	164.2	148.1	132.4	130.8	133.6	148.5	153.3	151.3
52.5°	1423.0	717.9	198.0	153.7	139.6	120.3	123.1	130.4	146.5	148.9	147.3
55°	1499.4	699.8	181.1	146.9	133.6	115.1	119.1	128.0	143.3	144.5	144.9
57.5°	1588.4	676.1	167.8	141.7	130.0	112.7	117.5	127.6	136.8	142.5	142.5
60°	1675.7	648.3	159.8	138.8	127.2	112.7	117.5	127.2	135.6	141.7	141.3
62.5°	1777.9	616.9	154.9	140.4	123.5	113.9	118.3	128.4	135.2	142.1	141.3
65°	1813.7	557.0	151.3	142.9	123.1	115.5	118.7	130.0	134.8	142.9	142.1
67.5°	1742.9	477.7	145.3	142.9	126.8	117.5	118.3	129.2	133.6	143.3	139.6
68°	1719.1	466.0	143.3	142.5	127.2	117.9	118.3	128.8	132.8	142.9	138.8
70°	1587.2	392.0	133.2	138.4	128.8	119.5	116.3	126.0	128.8	142.1	137.2
72.5°	1373.5	305.4	116.3	128.8	127.2	121.9	112.7	120.3	121.9	132.8	124.8
75°	1098.2	232.2	96.2	111.9	119.5	121.9	107.4	112.7	112.3	117.5	110.3
77.5°	690.6	165.8	77.7	95.0	108.7	118.7	102.6	102.6	97.8	98.6	95.4
80°	334.8	113.5	62.8	78.5	90.9	112.3	94.2	86.5	80.5	78.9	74.9
82.5°	164.6	73.2	43.5	59.2	72.0	93.0	84.5	71.2	60.8	60.0	53.5
85°	38.2	30.2	23.7	31.4	45.5	60.8	60.8	44.7	37.8	49.1	36.2
87.5°	3.6	4.4	4.8	4.4	5.6	5.2	12.9	12.9	11.7	7.6	5.2
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)