

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: P414679

Luminaire Tested: **LXF.LXT-PA1-30-740-U-T2R**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414679
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-PA1-30-740-U-T2R
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 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: 3854 lumens
Efficiency: N/A
Efficacy: 124.3 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 (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

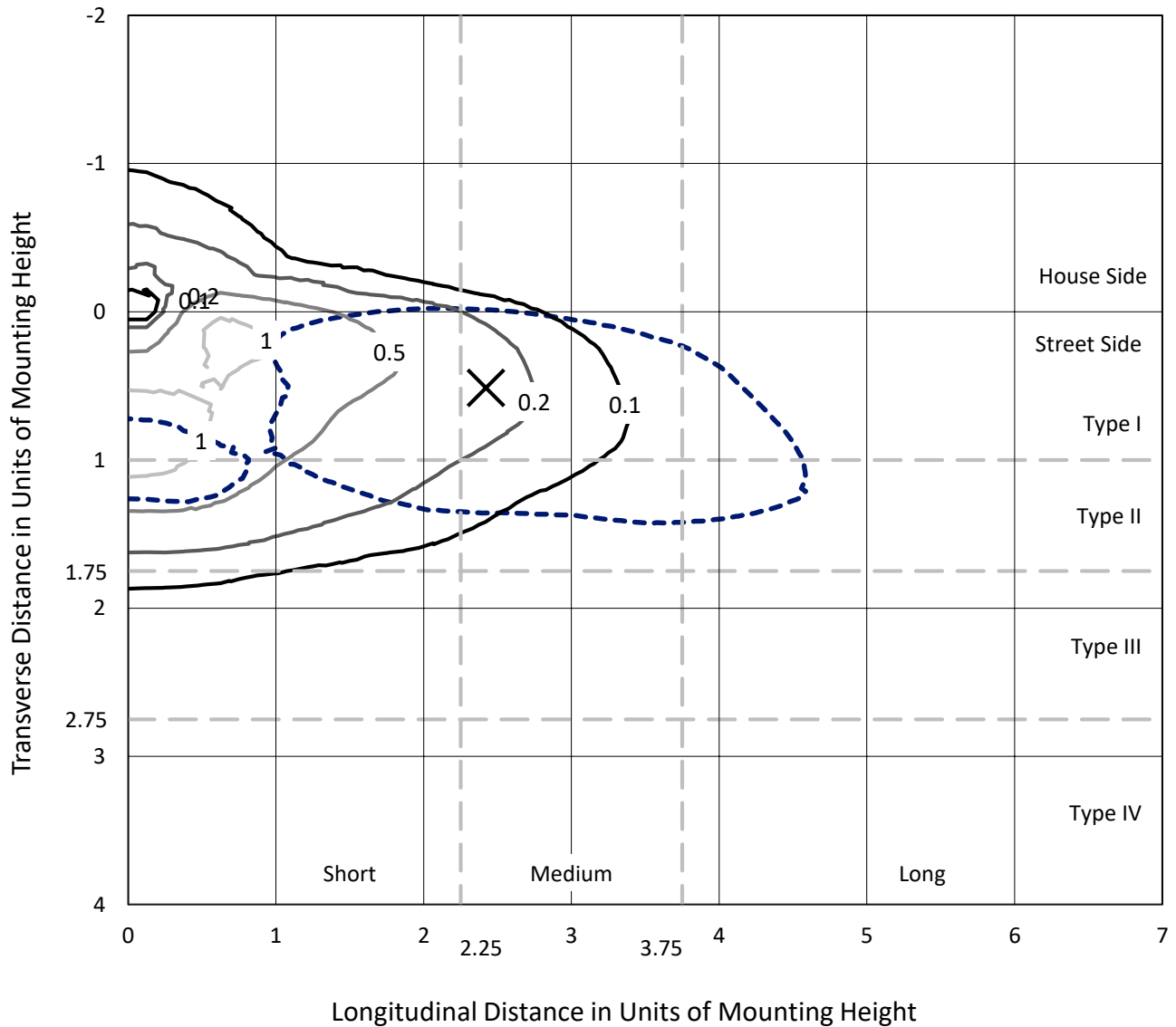


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

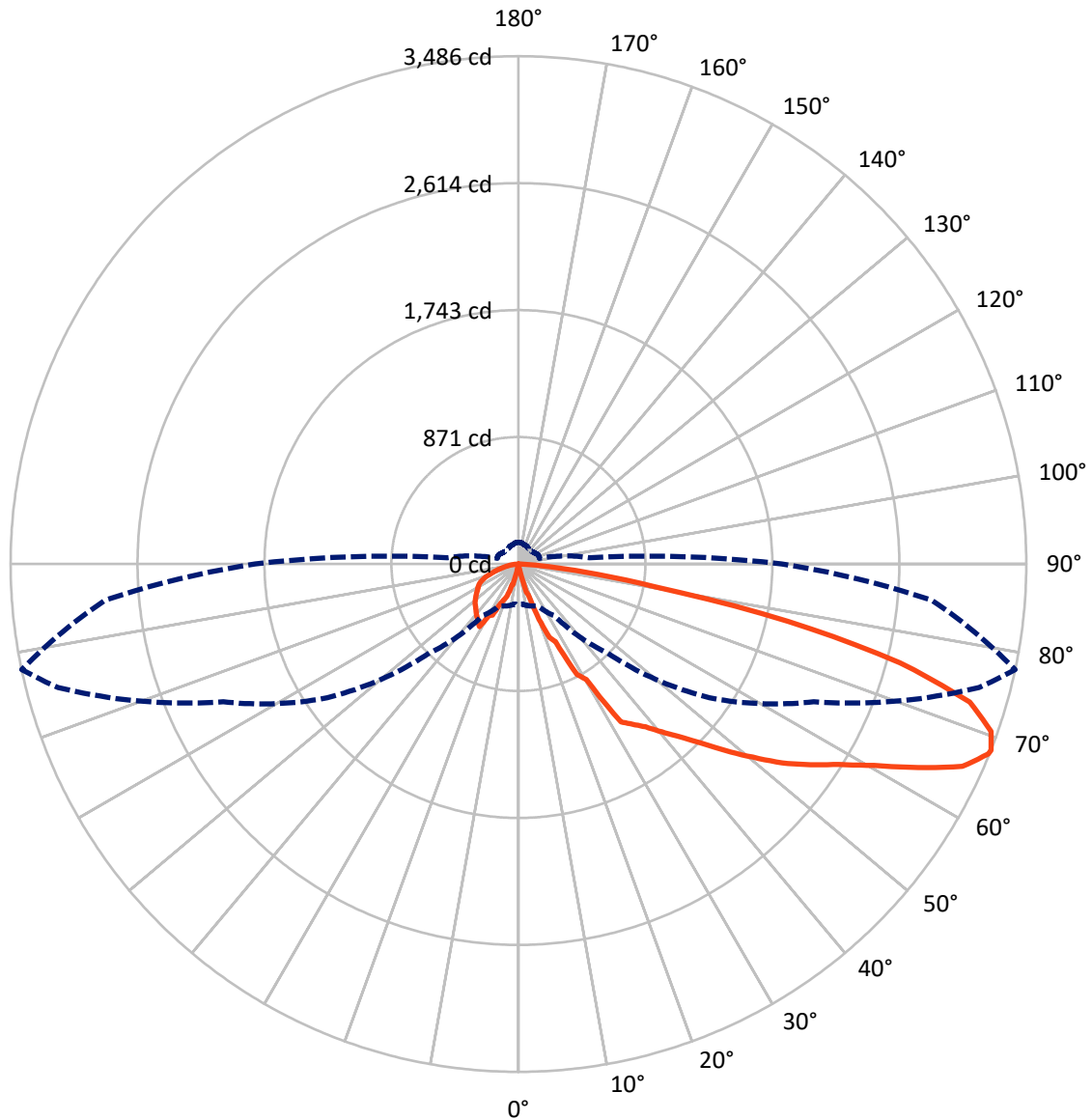


Based on 25 foot mounting height. Maximum calculated value = 1.5 fc
 Type II - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



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

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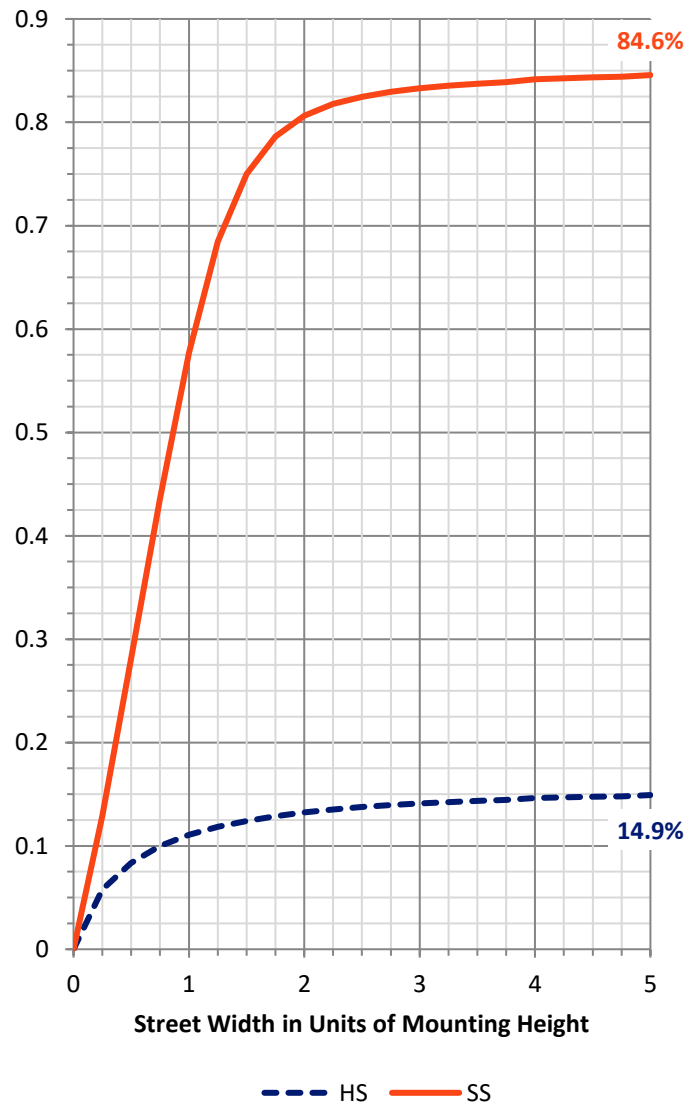
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	585.1	0.0	585.1
	% Fixture	15.2	0.0	15.2
Street Side	Lumens	3268.9	0.0	3268.9
	% Fixture	84.8	0.0	84.8
Total	Lumens	3854.0	0.0	3854.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.8	0.1
10°-20°	55.9	1.4
20°-30°	212.7	5.5
30°-40°	496.6	12.9
40°-50°	775.2	20.1
50°-60°	889.9	23.1
60°-70°	826.9	21.5
70°-80°	510.9	13.3
80°-90°	82.3	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°	3854.0	100.0
0°-180°	3854.0	100.0



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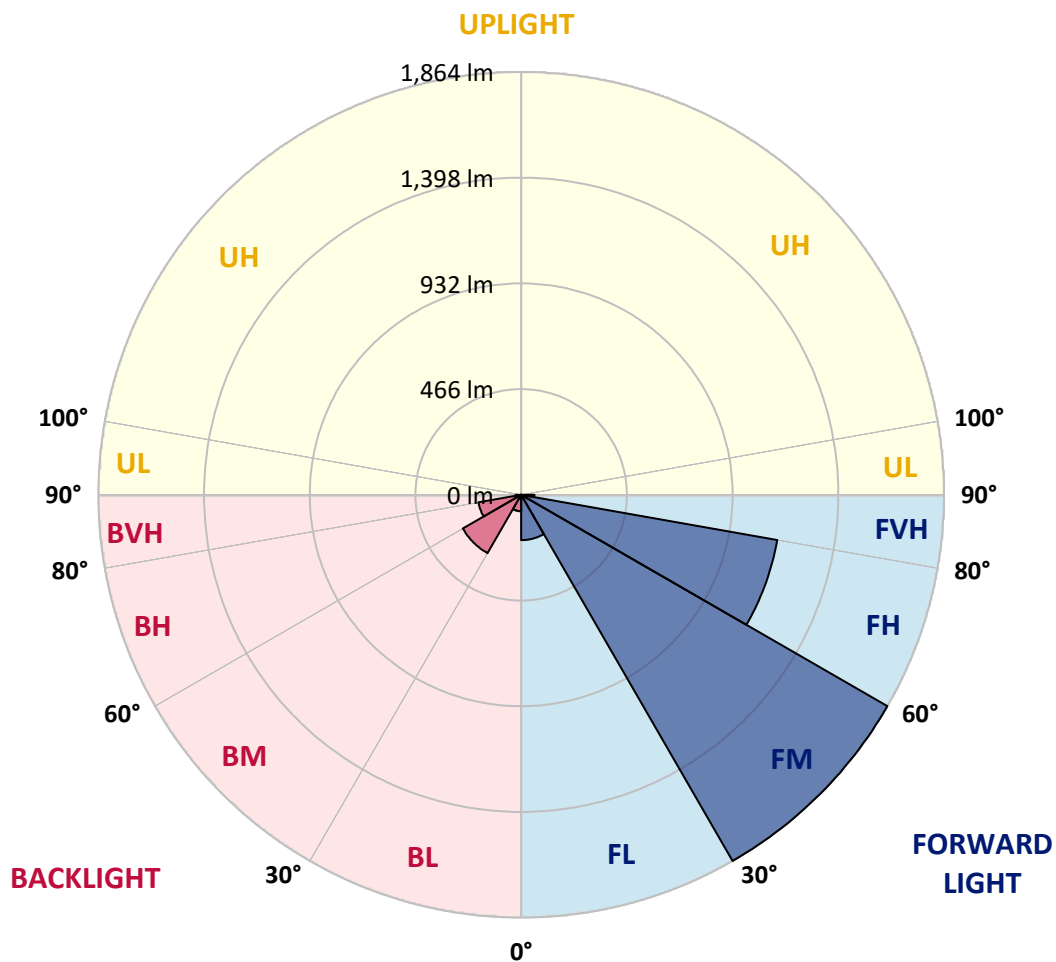
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	199.8	5.2			
FM (30°-60°)	1864.3	48.4			
FH (60°-80°)	1146.5	29.7			G1/1800
FVH (80°-90°)	58.2	1.5			G1/100
BL (0°-30°)	72.5	1.9	B0/110		
BM (30°-60°)	297.3	7.7	B1/1000		
BH (60°-80°)	191.3	5.0	B1/500		G1/500
BVH (80°-90°)	24.1	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°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
2.5°	3.0	3.0	3.4	3.8	4.7	4.2	3.0	2.1	1.7	1.7	1.7
5°	136.6	125.6	70.2	36.4	12.7	7.6	3.8	3.0	2.1	2.1	1.7
7.5°	154.3	153.5	152.2	150.9	148.8	140.8	14.8	4.2	2.5	2.5	1.7
10°	166.6	165.3	164.5	163.6	160.7	156.4	149.3	13.1	4.7	4.2	3.8
12.5°	323.5	322.6	321.3	205.5	174.2	169.6	163.2	116.7	13.5	20.3	61.3
15°	322.6	321.3	325.2	331.9	337.4	185.6	187.3	327.7	203.0	194.9	207.6
17.5°	336.6	334.9	330.7	335.3	345.5	388.2	367.0	354.8	238.9	227.9	221.6
20°	493.4	493.4	498.5	494.3	358.6	496.0	469.8	381.0	431.7	405.9	377.6
22.5°	522.2	520.1	520.9	529.4	622.4	514.2	518.4	587.7	600.0	548.0	469.8
25°	742.5	742.1	712.9	559.4	656.2	619.9	716.3	628.7	650.7	589.4	576.3
27.5°	835.5	836.4	812.7	791.5	693.4	803.8	760.2	827.9	924.3	858.8	738.3
30°	1124.3	1113.3	927.3	906.5	848.6	847.3	920.5	977.6	950.5	919.7	824.5
32.5°	1336.1	1325.1	1284.1	1140.8	1008.9	943.8	1057.5	1022.8	1240.2	1290.9	1118.0
35°	1663.8	1660.0	1442.3	1294.3	1184.8	1141.2	1111.2	1246.1	1342.5	1350.1	1190.7
37.5°	1915.4	1903.2	1775.5	1514.6	1333.6	1233.0	1304.4	1306.5	1454.5	1418.6	1304.4
40°	2030.4	2022.8	1924.7	1679.9	1470.6	1356.9	1385.6	1397.9	1577.2	1515.0	1387.3
42.5°	2117.9	2108.6	2046.5	1779.3	1591.1	1482.4	1469.3	1480.3	1696.0	1620.3	1476.1
45°	2163.2	2157.7	2128.5	1849.9	1675.2	1562.4	1559.0	1553.0	1776.7	1750.1	1572.5
47.5°	2137.8	2131.9	2145.0	1945.9	1727.7	1627.9	1642.3	1631.7	1869.3	1912.9	1677.4
50°	1997.0	2002.5	2054.9	1949.7	1761.1	1681.2	1730.2	1704.0	1995.3	2084.5	1804.6
52.5°	1589.4	1611.8	1833.8	1865.1	1764.5	1706.1	1809.3	1814.4	2151.8	2268.1	1972.1
55°	1186.0	1217.7	1414.4	1658.8	1696.8	1707.0	1860.0	1915.4	2307.8	2431.3	2112.9
57.5°	933.6	953.1	1078.2	1323.5	1533.6	1676.9	1912.0	1997.4	2452.8	2594.5	2251.1
60°	746.3	734.5	816.1	1002.1	1278.2	1592.8	1934.9	2104.4	2633.4	2805.0	2413.9
62.5°	539.5	540.4	602.5	708.7	1011.8	1426.6	1917.1	2208.0	2863.4	3077.3	2630.8
65°	382.7	386.5	428.7	485.8	731.5	1198.3	1829.2	2278.6	3123.0	3349.6	2807.2
67.5°	291.3	293.9	313.7	340.4	472.7	911.6	1648.6	2264.2	3265.5	3478.6	2858.3
68°	279.5	275.3	297.7	317.1	435.1	864.3	1599.1	2235.5	3272.3	3485.8	2846.1
70°	235.5	235.5	245.7	250.3	308.2	638.9	1356.9	2061.7	3248.2	3441.4	2753.0
72.5°	196.6	195.3	201.3	197.5	217.8	418.2	985.6	1778.0	3076.1	3238.9	2476.1
75°	163.6	163.6	164.5	161.5	167.0	280.3	640.6	1392.8	2717.5	2704.4	2015.2
77.5°	139.5	136.2	135.3	131.1	135.7	203.8	392.8	991.1	1961.9	1891.3	1279.5
80°	110.8	110.4	111.2	108.7	112.5	148.4	239.3	579.3	1068.5	940.4	596.6
82.5°	68.5	75.3	82.9	82.9	94.7	104.9	145.0	309.9	518.0	455.4	253.3
85°	22.4	27.5	48.6	50.3	60.9	49.0	83.3	99.8	172.9	154.3	48.6
87.5°	0.8	1.3	3.8	5.9	5.5	3.4	5.9	4.7	9.7	7.2	7.6
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°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
2.5°	1.7	1.7	1.7	2.1	2.1	1.3	0.8	1.7	1.7	1.7	1.7
5°	1.7	1.7	2.1	2.1	2.1	1.7	2.1	3.0	3.4	3.4	3.4
7.5°	1.7	1.7	1.7	2.5	2.5	3.0	4.2	25.4	58.4	63.8	63.0
10°	3.4	3.0	3.4	3.8	4.7	54.1	71.0	74.8	76.5	77.8	77.4
12.5°	81.2	72.7	13.5	7.6	51.2	76.1	77.4	80.3	83.3	84.6	84.6
15°	190.3	170.4	130.2	98.1	87.5	81.2	82.5	108.2	147.1	150.9	151.4
17.5°	202.1	177.2	136.2	150.1	154.8	120.5	132.3	148.8	150.5	150.9	150.9
20°	381.0	319.2	193.7	158.1	157.7	201.7	141.2	145.5	148.0	168.3	170.8
22.5°	412.3	342.1	232.6	224.5	170.0	201.7	184.8	179.7	196.6	194.9	196.2
25°	518.4	410.6	244.8	225.4	238.1	195.3	216.9	178.9	181.8	181.0	181.0
27.5°	659.2	518.0	342.1	252.4	231.3	225.8	200.8	172.1	206.3	207.2	207.2
30°	698.1	532.8	342.1	272.7	240.6	222.0	185.6	203.4	192.0	188.6	186.9
32.5°	967.4	722.6	413.9	262.6	237.2	203.8	203.4	189.0	188.6	196.2	196.2
35°	1016.5	733.6	378.0	300.2	223.7	210.1	193.2	191.1	182.7	179.7	179.3
37.5°	1065.1	740.4	350.5	275.7	229.6	200.4	190.3	175.5	184.8	184.8	183.9
40°	1117.1	747.6	325.6	253.3	211.0	200.4	176.3	175.1	162.4	163.2	162.4
42.5°	1172.9	750.5	298.9	234.7	193.7	188.2	170.4	157.3	156.9	159.8	159.0
45°	1236.8	754.3	274.4	211.0	176.3	165.7	152.2	153.1	161.1	167.9	167.9
47.5°	1304.8	757.7	254.1	189.8	164.1	150.5	140.4	143.8	158.1	164.9	167.0
50°	1397.0	761.9	230.9	172.5	155.6	139.1	137.4	140.4	156.0	161.1	159.0
52.5°	1495.1	754.3	208.0	161.5	146.7	126.4	129.4	137.0	153.9	156.4	154.8
55°	1575.5	735.3	190.3	154.3	140.4	120.9	125.2	134.5	150.5	151.8	152.2
57.5°	1668.9	710.4	176.3	148.8	136.6	118.4	123.5	134.0	143.8	149.7	149.7
60°	1760.7	681.2	167.9	145.9	133.6	118.4	123.5	133.6	142.5	148.8	148.4
62.5°	1868.1	648.2	162.8	147.6	129.8	119.7	124.3	134.9	142.1	149.3	148.4
65°	1905.7	585.2	159.0	150.1	129.4	121.4	124.7	136.6	141.6	150.1	149.3
67.5°	1831.3	501.9	152.6	150.1	133.2	123.5	124.3	135.7	140.4	150.5	146.7
68°	1806.3	489.6	150.5	149.7	133.6	123.9	124.3	135.3	139.5	150.1	145.9
70°	1667.6	411.8	140.0	145.5	135.3	125.6	122.2	132.3	135.3	149.3	144.2
72.5°	1443.1	320.9	122.2	135.3	133.6	128.1	118.4	126.4	128.1	139.5	131.1
75°	1153.9	244.0	101.1	117.5	125.6	128.1	112.9	118.4	118.0	123.5	115.9
77.5°	725.6	174.2	81.6	99.8	114.2	124.7	107.8	107.8	102.7	103.6	100.2
80°	351.8	119.2	66.0	82.5	95.6	118.0	98.9	90.9	84.6	82.9	78.6
82.5°	172.9	77.0	45.7	62.2	75.7	97.7	88.8	74.8	63.8	63.0	56.2
85°	40.2	31.7	24.9	33.0	47.8	63.8	63.8	46.9	39.7	51.6	38.1
87.5°	3.8	4.7	5.1	4.7	5.9	5.5	13.5	13.5	12.3	8.0	5.5
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)