

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: P414706

Luminaire Tested: **LXF.LXT-PA1-30-740-U-T4W**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414706
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-3)
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-T4W
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3899 lumens
Efficiency: N/A
Efficacy: 125.8 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 - G2

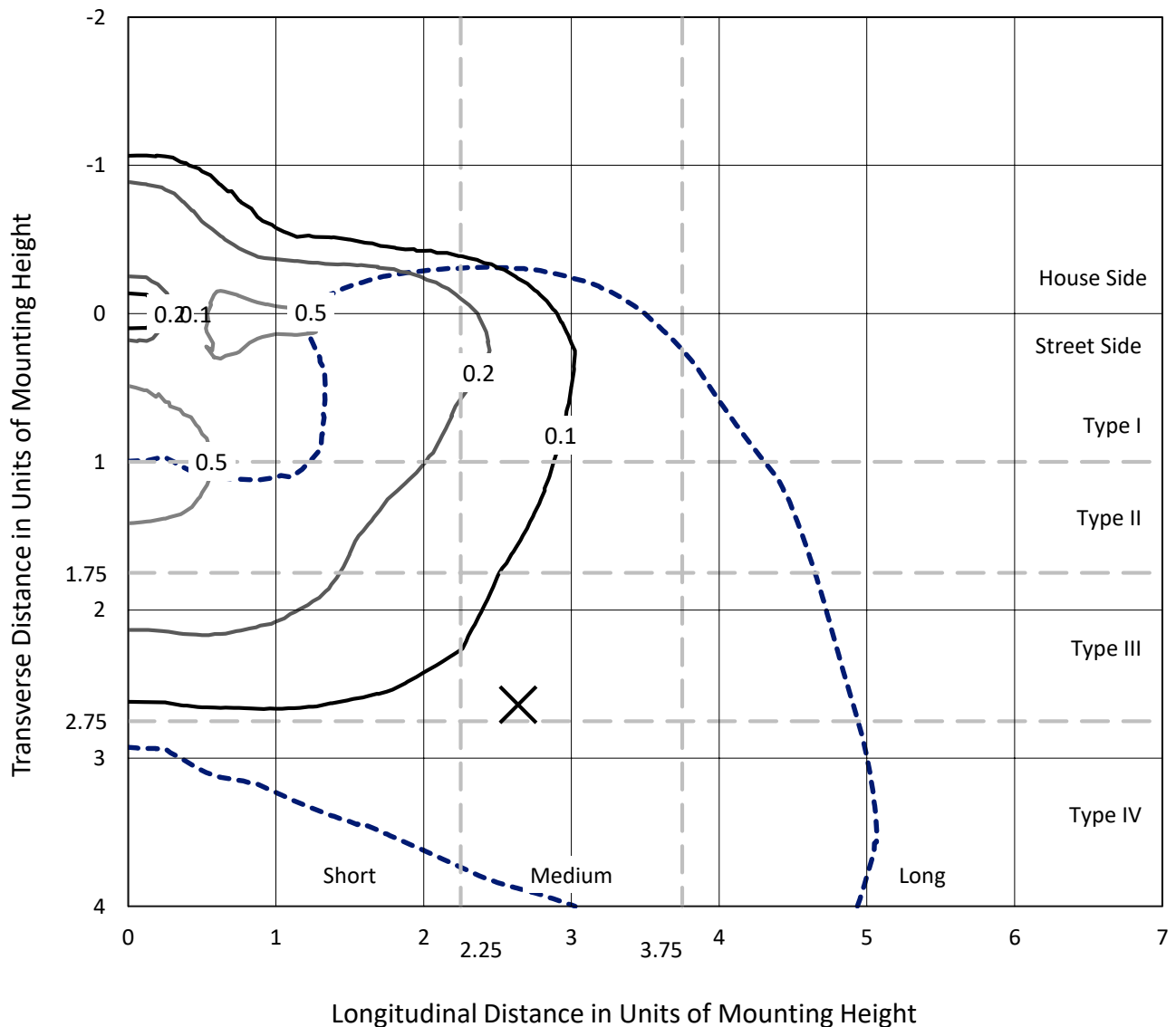
Input Watts (W): 31
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

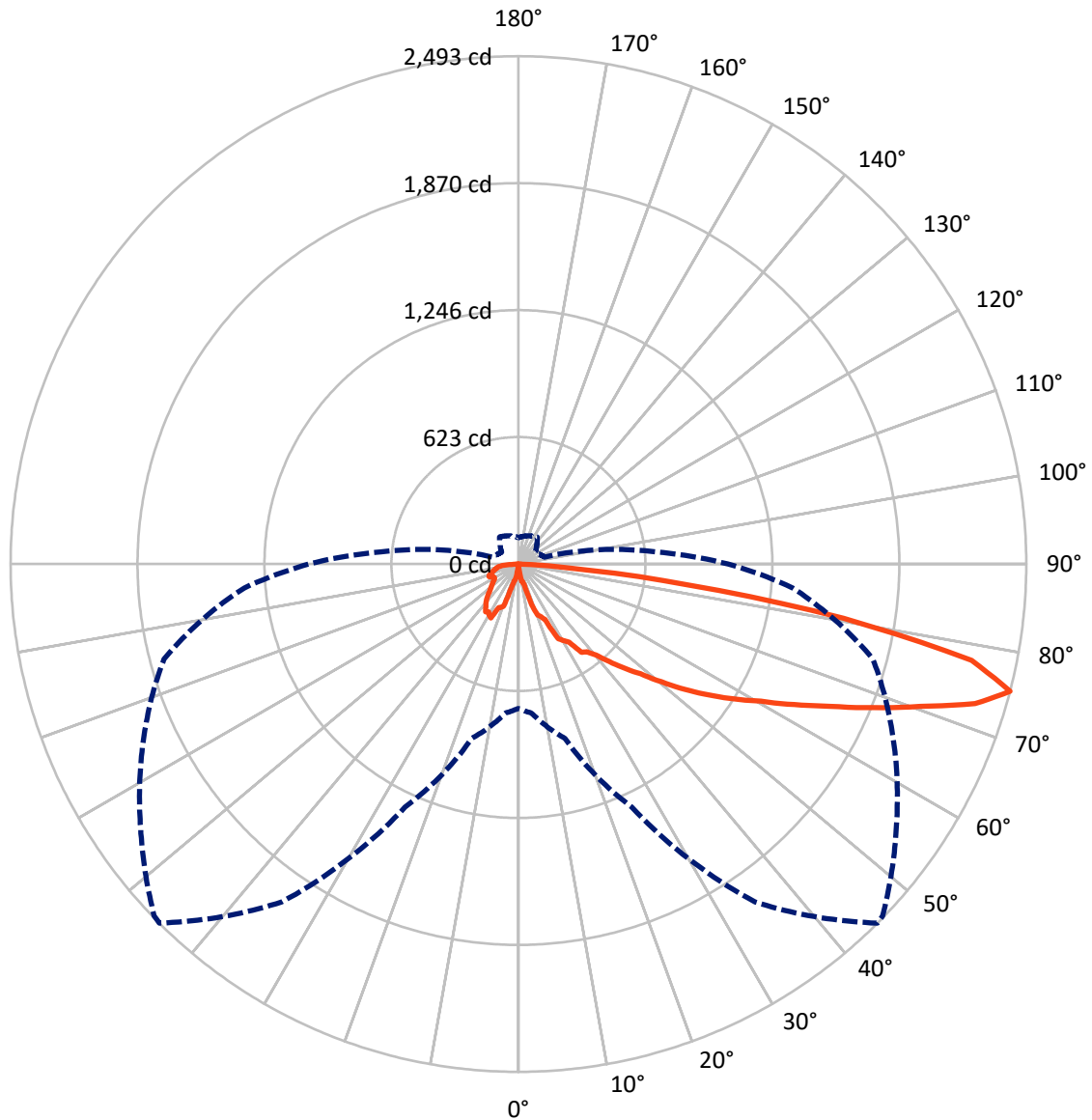
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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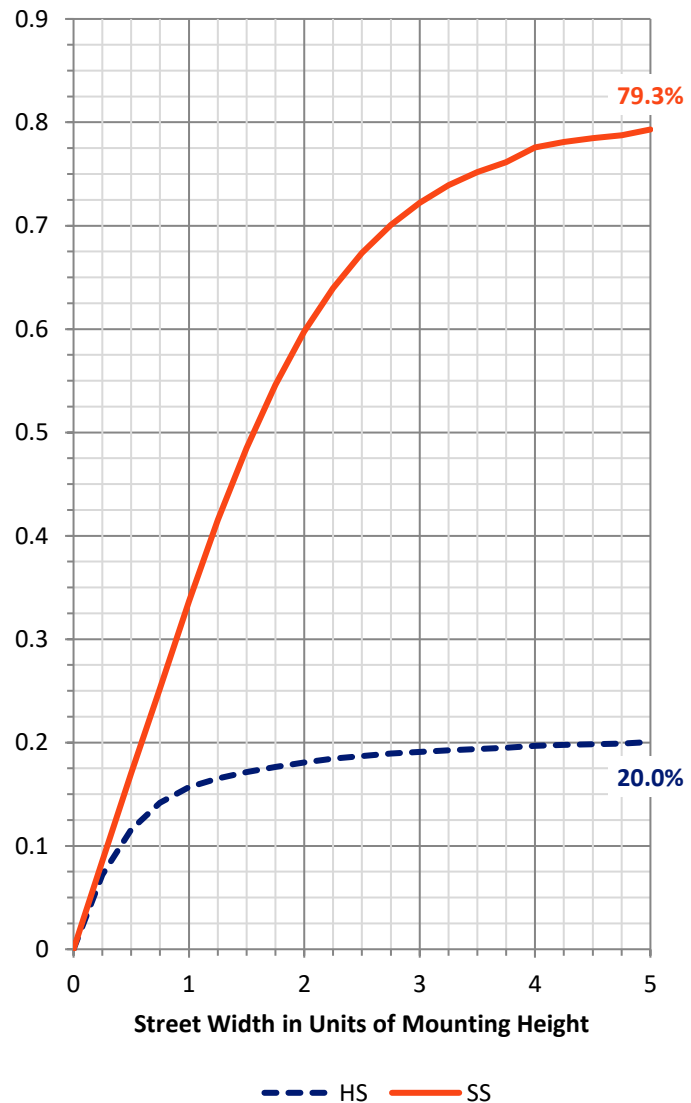
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	799.7	0.0	799.7
	% Fixture	20.5	0.0	20.5
Street Side	Lumens	3099.3	0.0	3099.3
	% Fixture	79.5	0.0	79.5
Total	Lumens	3899.0	0.0	3899.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.6	0.1
10°-20°	40.3	1.0
20°-30°	149.8	3.8
30°-40°	308.7	7.9
40°-50°	489.4	12.6
50°-60°	773.7	19.8
60°-70°	1087.0	27.9
70°-80°	904.9	23.2
80°-90°	142.7	3.7
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°	3899.0	100.0
0°-180°	3899.0	100.0



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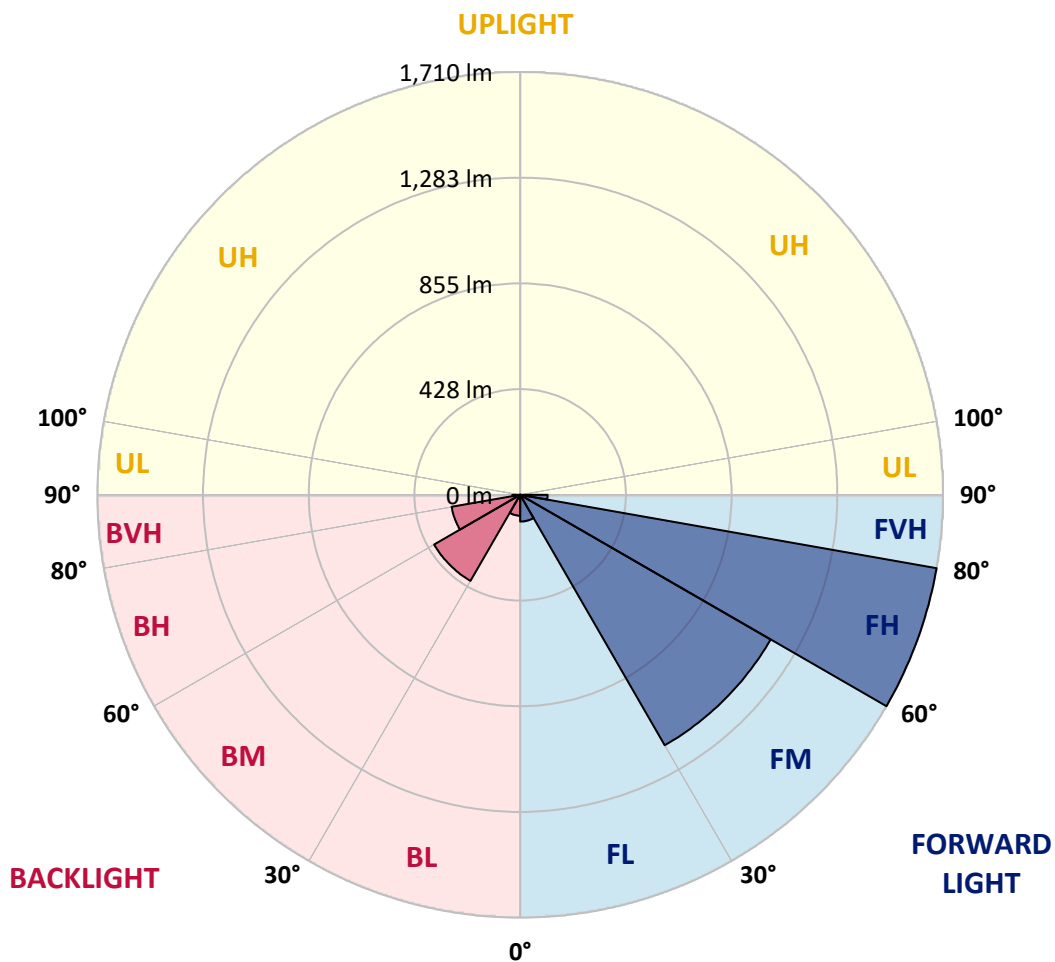
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	108.3	2.8			
FM	(30°-60°)	1169.9	30.0			
FH	(60°-80°)	1710.4	43.9			G1/1800
FVH	(80°-90°)	110.8	2.8			G2/225
BL	(0°-30°)	84.4	2.2	B0/110		
BM	(30°-60°)	401.9	10.3	B1/1000		
BH	(60°-80°)	281.5	7.2	B1/500		G1/500
BVH	(80°-90°)	31.9	0.8			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
2.5°	2.1	2.1	2.1	2.1	2.1	1.7	1.7	1.3	1.7	1.7	1.7
5°	30.0	28.3	22.4	19.9	16.5	6.8	5.5	2.5	2.1	2.1	1.7
7.5°	89.2	88.4	87.1	84.1	80.3	50.3	43.6	15.6	3.0	2.1	1.7
10°	98.5	96.8	94.7	91.8	88.4	84.1	83.7	77.0	14.0	4.7	3.8
12.5°	193.7	190.3	159.0	115.0	95.1	90.1	90.1	87.1	63.0	22.0	51.6
15°	208.0	206.4	200.4	192.8	181.4	104.4	102.3	136.2	167.9	117.6	124.7
17.5°	233.8	230.0	211.9	202.5	194.1	210.6	209.3	194.9	183.9	130.2	140.0
20°	326.0	323.9	316.3	226.7	208.9	266.4	267.2	221.2	200.0	230.5	228.8
22.5°	333.6	333.2	327.7	314.2	331.1	279.5	279.9	293.9	292.2	305.7	277.4
25°	436.4	435.1	353.1	323.9	361.5	301.1	314.6	364.5	325.6	331.5	346.3
27.5°	447.8	447.0	442.3	422.0	374.2	414.8	414.8	376.8	414.8	434.3	436.8
30°	509.1	493.1	460.5	450.8	436.0	435.5	436.8	436.4	479.9	454.6	479.9
32.5°	598.8	595.4	583.5	488.8	484.6	456.7	471.1	504.0	501.1	578.0	611.0
35°	728.2	682.1	640.2	564.1	503.2	532.0	534.1	522.7	583.5	608.1	654.6
37.5°	908.7	896.0	836.8	635.1	560.7	546.8	548.0	585.2	620.3	647.4	699.4
40°	1040.2	1033.5	992.4	777.6	614.8	586.9	589.9	614.0	646.6	694.8	748.9
42.5°	1166.2	1166.2	1142.1	899.4	731.1	655.4	653.3	658.4	681.6	732.4	822.0
45°	1248.3	1243.6	1263.9	1014.0	817.8	729.0	721.0	719.7	728.2	788.2	920.1
47.5°	1330.7	1318.1	1337.5	1129.9	931.1	805.1	806.0	790.3	801.7	893.9	1054.2
50°	1417.8	1420.4	1417.8	1227.6	1042.3	908.7	901.5	881.7	904.5	1017.8	1204.3
52.5°	1542.2	1533.3	1508.3	1351.9	1184.4	1023.7	1012.3	983.6	1037.3	1163.7	1392.1
55°	1632.7	1624.2	1617.4	1485.1	1293.5	1135.0	1128.2	1096.5	1197.1	1310.9	1585.7
57.5°	1731.2	1721.0	1740.5	1666.9	1464.8	1251.2	1242.4	1222.9	1361.2	1478.7	1782.8
60°	1797.6	1798.0	1851.3	1798.0	1607.7	1367.5	1359.1	1373.4	1511.3	1632.7	1995.5
62.5°	1797.6	1811.5	1928.7	1941.3	1760.8	1519.3	1504.5	1512.6	1674.5	1794.2	2170.1
65°	1627.2	1644.5	1917.7	1982.8	1914.3	1683.4	1676.2	1671.1	1828.9	1921.9	2307.1
67.5°	1453.4	1474.9	1751.1	1984.9	2039.9	1882.6	1856.4	1813.6	1962.1	2017.0	2380.7
70°	1332.9	1350.6	1570.1	1916.8	2121.1	2091.5	2074.1	1961.6	2051.3	2077.5	2297.8
72.5°	1137.1	1138.8	1334.1	1773.0	2175.6	2343.9	2303.3	2125.7	2101.6	2038.2	1948.5
75°	708.7	734.5	886.7	1315.9	2025.1	2492.8	2485.1	2263.6	2029.7	1801.0	1351.0
77.5°	263.9	279.1	370.8	675.7	1449.1	2273.7	2280.5	2113.9	1716.8	1304.9	725.6
80°	85.8	92.2	122.6	217.8	643.6	1618.3	1671.1	1499.5	1052.9	663.0	305.7
82.5°	47.8	46.1	71.0	112.9	274.9	838.5	873.2	721.0	496.4	277.4	114.2
85°	22.0	22.8	33.8	61.3	146.7	233.8	252.4	246.5	188.2	114.2	41.9
87.5°	4.7	5.5	7.6	14.4	22.8	19.9	14.4	25.4	36.8	27.1	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
2.5°	1.7	1.7	1.3	1.3	0.8	0.8	0.4	0.4	0.8	0.8	0.8
5°	1.7	1.7	1.3	1.3	1.3	1.3	1.7	3.0	3.4	3.8	3.4
7.5°	1.7	1.7	1.7	1.7	2.1	4.2	19.9	60.9	64.7	66.0	67.7
10°	3.8	3.4	3.4	3.8	13.1	63.9	77.0	81.2	83.3	84.6	84.1
12.5°	58.8	58.4	21.6	13.1	61.3	80.8	82.9	85.4	89.6	93.9	92.2
15°	124.3	123.9	114.2	118.4	119.2	88.0	89.6	146.7	156.5	162.8	164.9
17.5°	135.3	136.6	132.8	163.6	167.5	133.2	149.3	163.6	167.0	169.1	169.6
20°	251.2	225.8	193.2	183.1	178.4	219.9	166.6	168.3	217.3	233.0	234.7
22.5°	276.1	274.0	256.3	263.9	222.8	229.2	215.7	227.5	249.5	254.1	254.1
25°	356.5	352.7	292.6	274.9	282.9	235.5	272.3	247.8	255.8	264.3	265.1
27.5°	438.1	433.4	390.7	309.1	280.4	297.3	276.5	299.0	323.5	335.3	335.7
30°	476.1	469.8	407.6	348.4	291.8	290.9	290.5	330.7	328.6	336.2	338.3
32.5°	632.6	622.4	521.0	342.5	302.8	276.5	308.3	321.8	370.0	393.7	396.2
35°	670.7	658.0	523.5	378.9	285.9	285.0	285.9	330.3	356.5	373.4	377.2
37.5°	714.2	696.9	517.6	355.2	292.6	265.6	271.9	298.1	355.2	393.3	396.2
40°	768.3	741.7	515.9	331.5	272.7	251.2	249.9	285.0	310.4	333.6	335.7
42.5°	843.2	800.5	513.4	307.0	249.5	233.8	236.0	251.2	271.5	269.4	272.7
45°	942.6	873.6	509.1	285.4	225.8	212.3	211.0	222.0	231.3	217.8	214.0
47.5°	1066.9	964.1	515.9	264.7	203.8	191.1	191.6	196.2	197.9	183.1	179.7
50°	1208.1	1066.4	523.1	241.9	186.1	176.3	174.2	175.9	173.4	159.0	157.7
52.5°	1376.4	1186.5	526.9	220.3	171.7	164.1	161.5	160.3	156.5	146.7	145.5
55°	1571.3	1330.7	534.9	203.0	159.8	152.7	151.4	149.7	148.4	142.9	142.1
57.5°	1770.9	1489.7	530.3	185.2	148.4	142.1	144.6	147.6	151.0	148.8	148.4
60°	1954.0	1616.6	472.8	169.6	137.4	135.7	146.7	160.7	163.2	165.3	164.9
62.5°	2091.0	1680.4	375.1	156.0	129.8	136.2	162.8	182.3	179.7	174.2	172.9
65°	2139.2	1662.7	288.8	145.9	126.0	147.6	179.7	189.9	175.5	165.3	163.2
67.5°	2107.1	1575.1	223.7	137.4	123.9	157.3	185.6	182.7	166.2	158.6	155.6
70°	1942.6	1392.9	177.6	130.2	121.8	151.4	182.7	174.2	158.6	151.8	147.2
72.5°	1589.5	1101.5	152.2	122.2	112.9	139.1	173.4	162.8	151.8	142.9	138.7
75°	1028.0	677.4	132.4	112.9	101.1	126.0	161.5	151.8	142.5	133.6	129.4
77.5°	494.7	307.8	115.9	101.5	90.1	116.3	151.8	140.4	131.1	122.2	117.1
80°	208.5	145.5	98.9	90.1	82.0	109.1	141.2	128.1	117.6	111.2	105.7
82.5°	101.5	80.3	75.3	73.2	71.5	99.4	129.8	113.7	102.8	96.8	84.6
85°	34.3	34.7	46.5	45.2	50.3	79.5	106.1	86.3	77.0	66.8	62.6
87.5°	3.4	4.7	6.3	8.0	16.5	22.0	36.4	29.6	23.3	8.9	5.9
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)