

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: P695320

Luminaire Tested: **LXF.LXT-PA16-50-727-U-T2U**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695320
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-11)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-50-727-U-T2U
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 980mA LIGHTSQUARE WITH 16 LEDS AND TYPE II U OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5195 lumens
Efficiency: N/A
Efficacy: 97.8 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

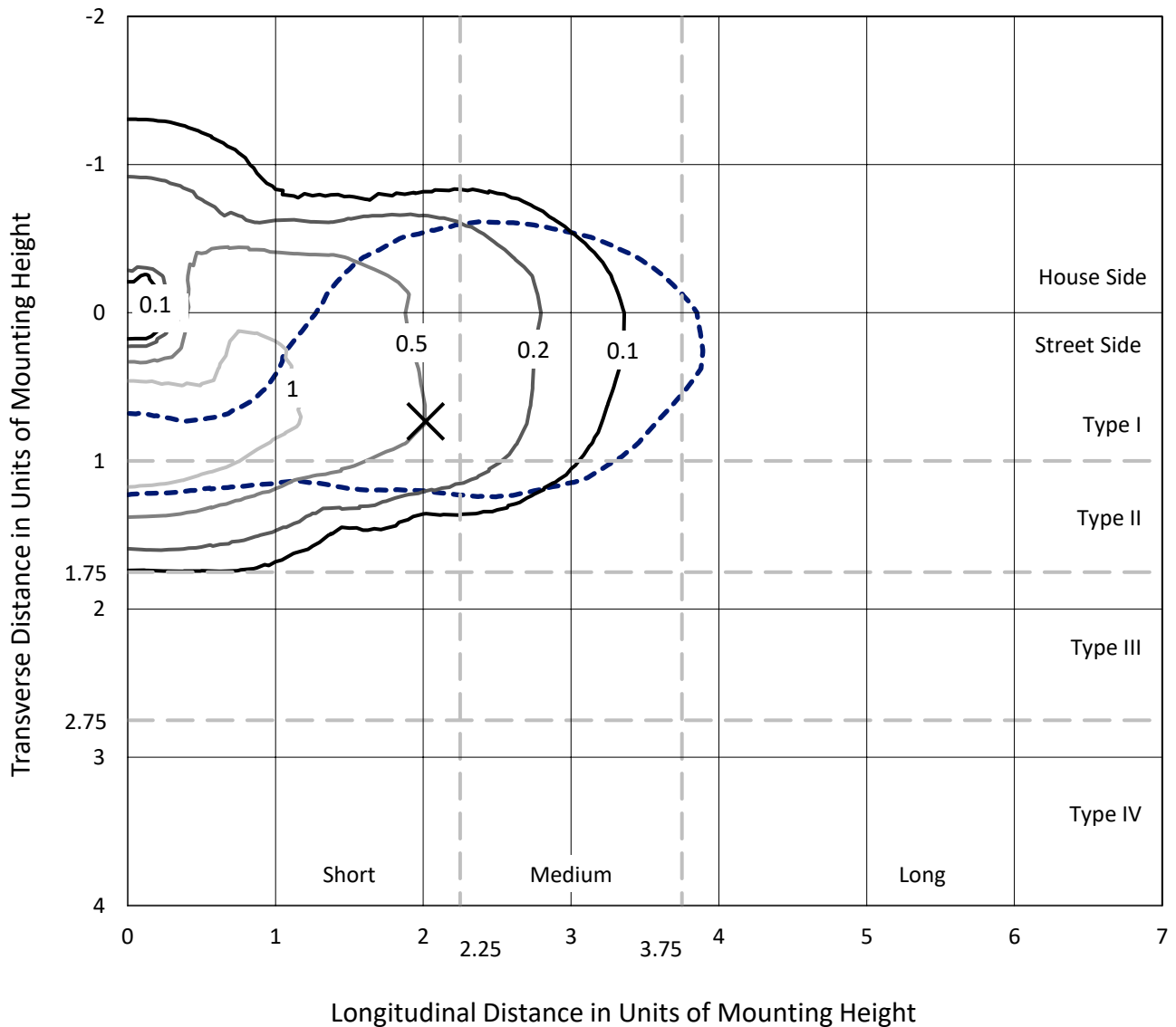
Input Watts (W): 53.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

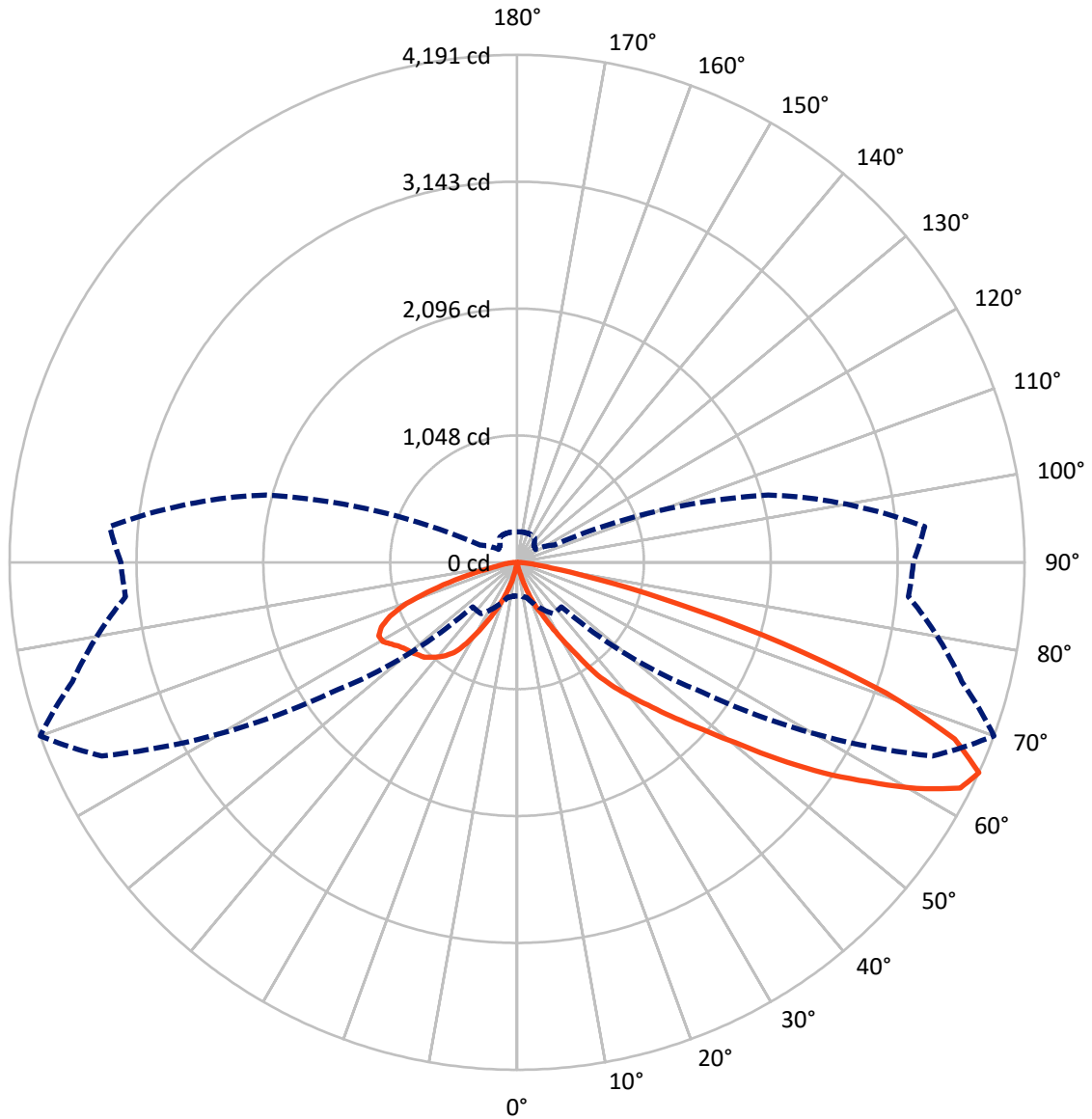
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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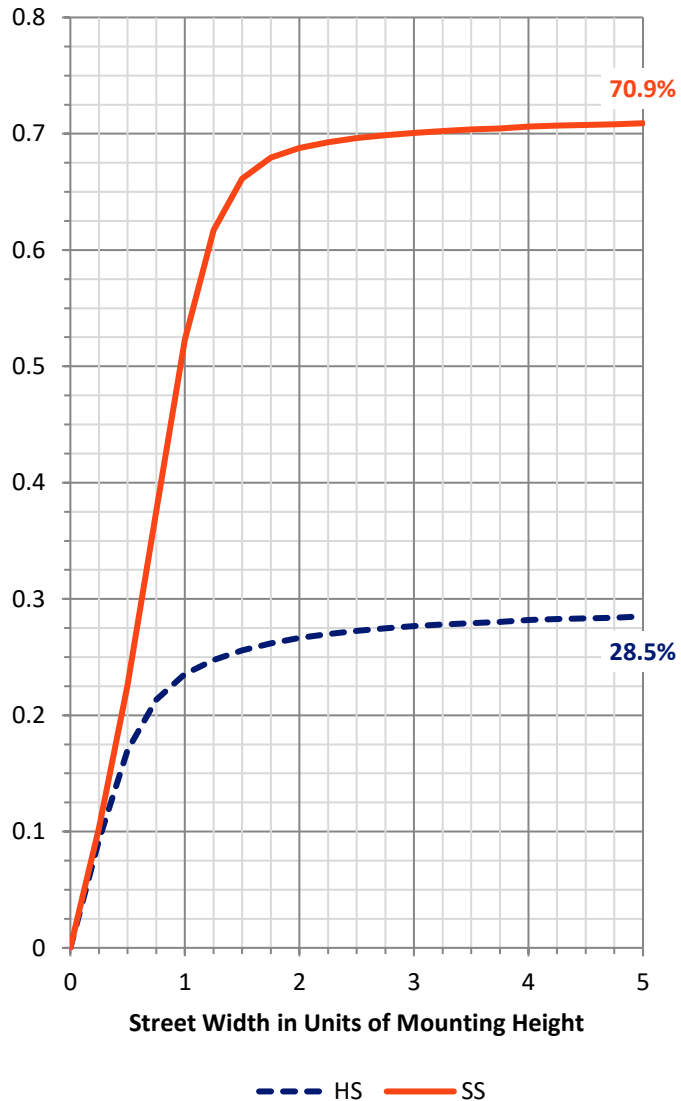
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1500.7	0.0	1500.7
	% Fixture	28.9	0.0	28.9
Street Side	Lumens	3694.2	0.0	3694.2
	% Fixture	71.1	0.0	71.1
Total	Lumens	5195.0	0.0	5195.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.2	0.0
10°-20°	38.1	0.7
20°-30°	239.5	4.6
30°-40°	636.9	12.3
40°-50°	1090.2	21.0
50°-60°	1333.8	25.7
60°-70°	1197.7	23.1
70°-80°	589.9	11.4
80°-90°	68.7	1.3
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°	5195.0	100.0
0°-180°	5195.0	100.0

Coefficient of Utilization

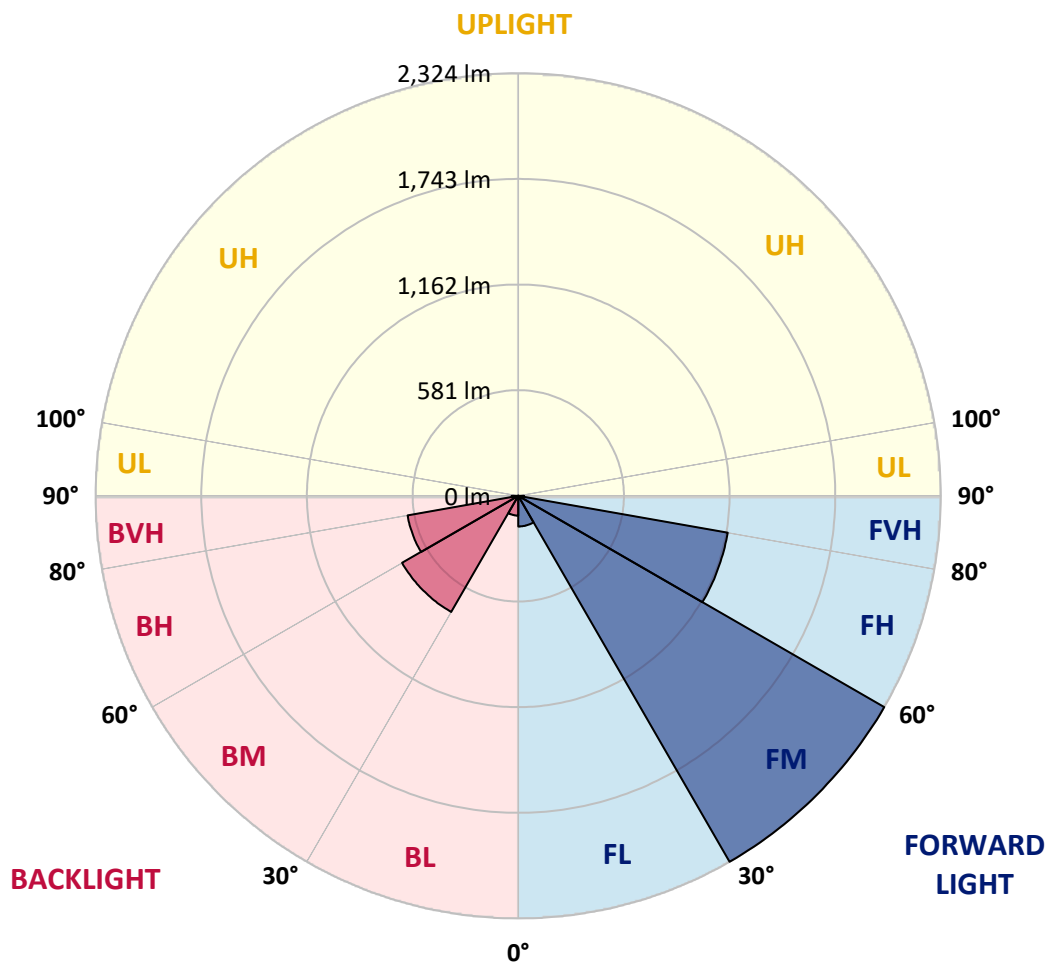


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	168.6	3.2			
FM (30°-60°)	2323.5	44.7			
FH (60°-80°)	1169.7	22.5			G1/1800
FVH (80°-90°)	32.4	0.6			G1/100
BL (0°-30°)	109.1	2.1	B0/110		
BM (30°-60°)	737.5	14.2	B1/1000		
BH (60°-80°)	617.9	11.9	B2/1000		G2/1000
BVH (80°-90°)	36.3	0.7			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2
 Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	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°	0.0	0.0	0.0	1.7	1.7	1.7	1.7	1.7	1.7	1.7	0.0
5°	0.0	0.0	1.7	1.7	1.7	1.7	1.7	1.7	1.7	0.0	0.0
7.5°	0.0	0.0	1.7	1.7	1.7	1.7	1.7	1.7	1.7	0.0	0.0
10°	12.1	12.1	10.4	6.9	3.5	1.7	1.7	3.5	3.5	3.5	5.2
12.5°	155.7	157.4	152.2	105.5	20.8	6.9	6.9	20.8	53.6	72.6	81.3
15°	178.2	178.2	174.7	171.2	164.3	36.3	65.7	100.3	105.5	150.5	167.8
17.5°	243.9	231.8	205.8	193.7	186.8	198.9	147.0	186.8	192.0	195.5	207.6
20°	463.6	454.9	439.3	365.0	257.7	283.7	269.8	240.4	288.9	301.0	306.2
22.5°	553.5	544.8	529.3	494.7	453.2	328.6	365.0	333.8	403.0	420.3	416.9
25°	937.5	932.3	793.9	591.6	589.8	515.4	480.9	451.4	470.5	529.3	557.0
27.5°	1082.8	1081.0	1037.8	935.8	686.7	633.1	576.0	614.0	600.2	672.8	695.3
30°	1548.1	1456.4	1293.8	1074.1	965.2	771.4	780.1	802.6	745.5	790.5	847.5
32.5°	1907.8	1892.3	1791.9	1432.2	1112.2	951.3	951.3	960.0	920.2	954.8	1018.8
35°	2234.7	2203.6	2047.9	1703.7	1411.4	1155.4	1103.5	1152.0	1141.6	1141.6	1103.5
37.5°	2442.3	2435.4	2314.3	1961.5	1632.8	1324.9	1283.4	1309.4	1311.1	1316.3	1203.9
40°	2639.5	2622.2	2547.8	2195.0	1918.2	1539.4	1458.1	1499.6	1463.3	1487.5	1331.9
42.5°	2741.5	2719.1	2675.8	2437.1	2233.0	1933.8	1696.8	1670.9	1634.5	1662.2	1485.8
45°	2753.6	2703.5	2715.6	2584.1	2490.7	2276.3	1935.5	1850.8	1836.9	1854.2	1664.0
47.5°	2584.1	2534.0	2618.7	2584.1	2639.5	2523.6	2253.8	2092.9	2063.5	2073.9	1849.0
50°	2193.2	2188.0	2307.4	2430.2	2662.0	2694.8	2648.1	2355.8	2340.3	2333.3	2060.0
52.5°	1811.0	1788.5	1894.0	2079.1	2466.5	2687.9	2969.9	2691.4	2698.3	2618.7	2271.1
55°	1380.3	1406.2	1511.7	1660.5	2042.8	2547.8	3220.7	3129.0	3071.9	2893.8	2480.4
57.5°	842.4	925.4	1094.9	1247.1	1632.8	2189.8	3248.3	3511.2	3419.6	3172.2	2694.8
60°	491.2	493.0	626.1	885.6	1177.9	1568.8	3065.0	3843.3	3793.2	3466.3	2912.8
62.5°	344.2	351.1	389.2	610.6	736.8	975.5	2599.7	3986.9	4106.3	3682.5	3130.7
65°	278.5	278.5	299.2	399.6	518.9	518.9	1871.5	3784.5	4191.0	3801.8	3244.9
67.5°	261.2	261.2	271.6	292.3	401.3	342.5	913.3	3272.6	3898.7	3737.8	3260.4
70°	231.8	231.8	252.5	261.2	313.1	262.9	392.6	2459.6	3234.5	3405.7	3154.9
72.5°	195.5	198.9	216.2	247.3	245.6	207.6	266.4	1489.3	2291.8	2694.8	2898.9
75°	160.9	164.3	176.4	202.4	226.6	157.4	212.8	735.1	1371.6	1800.6	2324.7
77.5°	126.3	124.5	141.8	164.3	185.1	121.1	155.7	320.0	683.2	1018.8	1390.7
80°	84.8	84.8	102.1	124.5	128.0	114.2	107.2	200.6	285.4	418.6	553.5
82.5°	53.6	55.3	65.7	77.8	88.2	96.9	77.8	122.8	148.8	169.5	159.1
85°	12.1	10.4	17.3	22.5	32.9	34.6	38.1	41.5	51.9	55.3	48.4
87.5°	0.0	0.0	1.7	1.7	1.7	3.5	3.5	6.9	6.9	8.6	8.6
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°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
2.5°	0.0	0.0	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
5°	0.0	0.0	1.7	1.7	1.7	1.7	1.7	1.7	1.7	0.0	0.0
7.5°	0.0	0.0	1.7	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0
10°	5.2	5.2	3.5	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0
12.5°	84.8	83.0	77.8	24.2	6.9	1.7	0.0	1.7	3.5	5.2	6.9
15°	169.5	167.8	159.1	107.2	89.9	12.1	5.2	24.2	110.7	153.9	159.1
17.5°	207.6	209.3	200.6	197.2	143.6	91.7	96.9	181.6	190.3	193.7	193.7
20°	306.2	304.4	299.2	268.1	200.6	179.9	231.8	198.9	205.8	212.8	216.2
22.5°	415.1	411.7	404.7	323.4	281.9	287.1	252.5	268.1	359.8	365.0	366.7
25°	544.8	532.7	494.7	422.0	406.5	349.4	371.9	345.9	352.9	354.6	352.9
27.5°	676.3	662.5	574.3	531.0	484.3	366.7	382.3	352.9	396.1	441.1	441.1
30°	814.7	788.7	686.7	646.9	548.3	441.1	373.6	390.9	399.6	397.8	397.8
32.5°	968.6	920.2	787.0	788.7	586.4	439.3	385.7	356.3	375.3	441.1	442.8
35°	1049.9	987.6	911.5	880.4	633.1	404.7	342.5	370.2	403.0	406.5	404.7
37.5°	1131.2	1049.9	963.4	956.5	608.8	368.4	335.6	351.1	365.0	359.8	359.8
40°	1240.2	1145.0	1062.0	960.0	569.1	333.8	321.7	330.4	332.1	326.9	326.9
42.5°	1376.8	1266.1	1181.4	930.6	496.4	311.3	307.9	313.1	316.5	309.6	307.9
45°	1537.7	1408.0	1300.7	896.0	404.7	299.2	301.0	301.0	306.2	299.2	297.5
47.5°	1721.0	1586.1	1385.5	851.0	342.5	288.9	295.8	292.3	295.8	287.1	285.4
50°	1926.9	1774.7	1503.1	788.7	309.6	275.0	292.3	281.9	285.4	280.2	280.2
52.5°	2118.9	1987.4	1617.2	712.6	283.7	264.6	280.2	280.2	283.7	278.5	276.7
55°	2329.9	2219.2	1752.2	636.5	257.7	256.0	278.5	281.9	280.2	275.0	275.0
57.5°	2547.8	2492.5	1887.1	591.6	235.2	240.4	276.7	283.7	278.5	273.3	271.6
60°	2802.1	2834.9	2020.3	555.2	214.5	224.9	271.6	276.7	273.3	268.1	268.1
62.5°	3070.2	3182.6	2124.0	463.6	200.6	211.0	261.2	268.1	262.9	261.2	261.2
65°	3272.6	3378.1	2146.5	337.3	186.8	197.2	250.8	256.0	254.3	252.5	252.5
67.5°	3357.3	3386.7	2041.0	240.4	173.0	185.1	238.7	245.6	240.4	243.9	242.2
70°	3312.3	3161.9	1750.4	198.9	159.1	169.5	223.1	228.3	224.9	233.5	230.0
72.5°	2952.6	2644.7	1305.9	167.8	147.0	153.9	205.8	209.3	207.6	211.0	204.1
75°	2239.9	1878.4	816.4	148.8	133.2	136.6	183.3	190.3	185.1	183.3	176.4
77.5°	1292.1	1132.9	408.2	134.9	119.3	117.6	160.9	166.0	162.6	152.2	155.7
80°	479.1	396.1	183.3	117.6	103.8	98.6	133.2	138.4	134.9	124.5	124.5
82.5°	138.4	128.0	112.4	96.9	89.9	77.8	107.2	112.4	110.7	105.5	98.6
85°	43.2	45.0	57.1	62.3	65.7	55.3	81.3	81.3	74.4	67.5	55.3
87.5°	5.2	8.6	10.4	17.3	20.8	15.6	20.8	22.5	20.8	13.8	13.8
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)