

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: P695510

Luminaire Tested: **LXF.LXT-PA16-50-827-U-T4W**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695510
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-21)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-50-827-U-T4W
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 980mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4532 lumens
Efficiency: N/A
Efficacy: 85.3 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

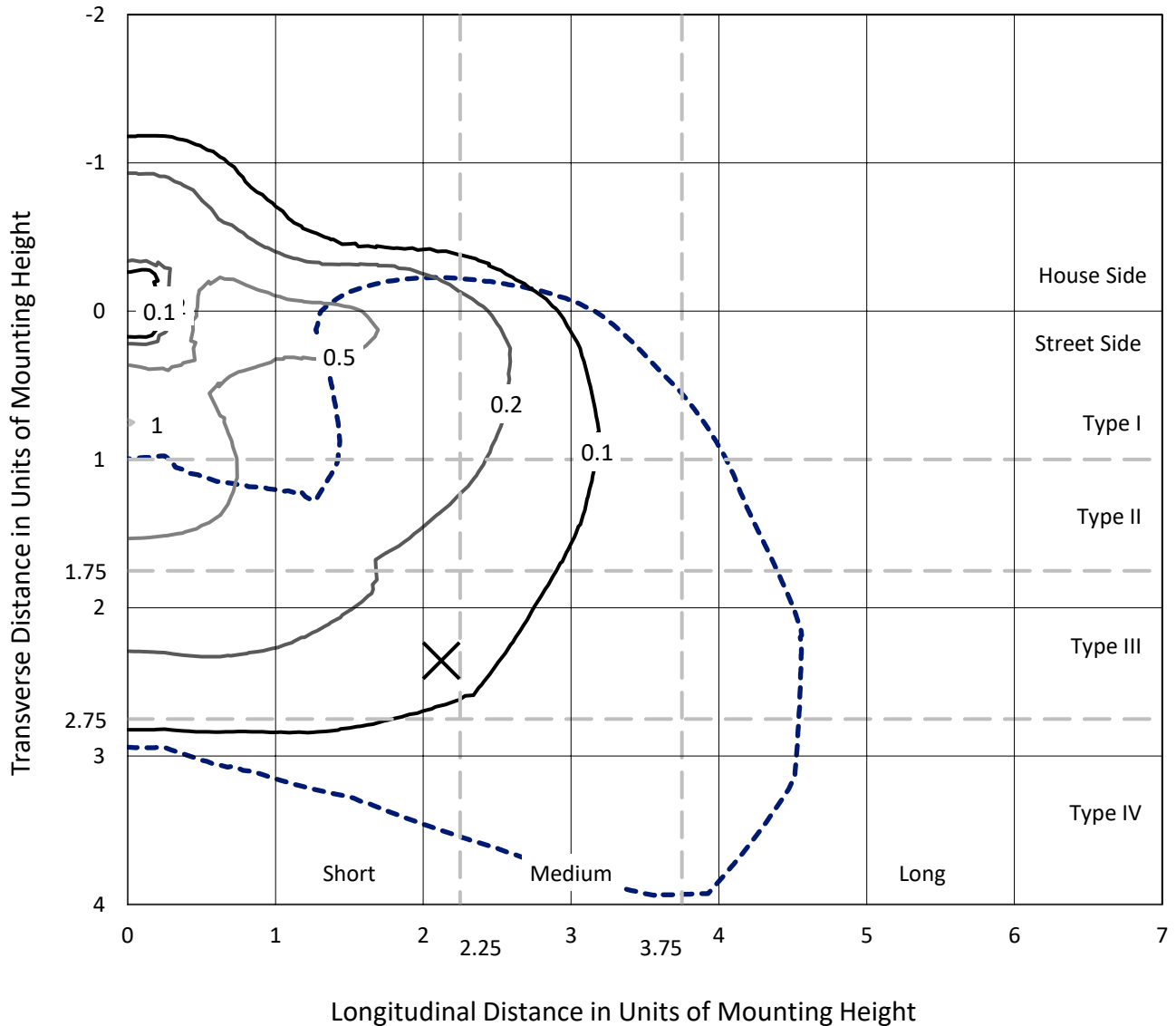
Input Watts (W): 53.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

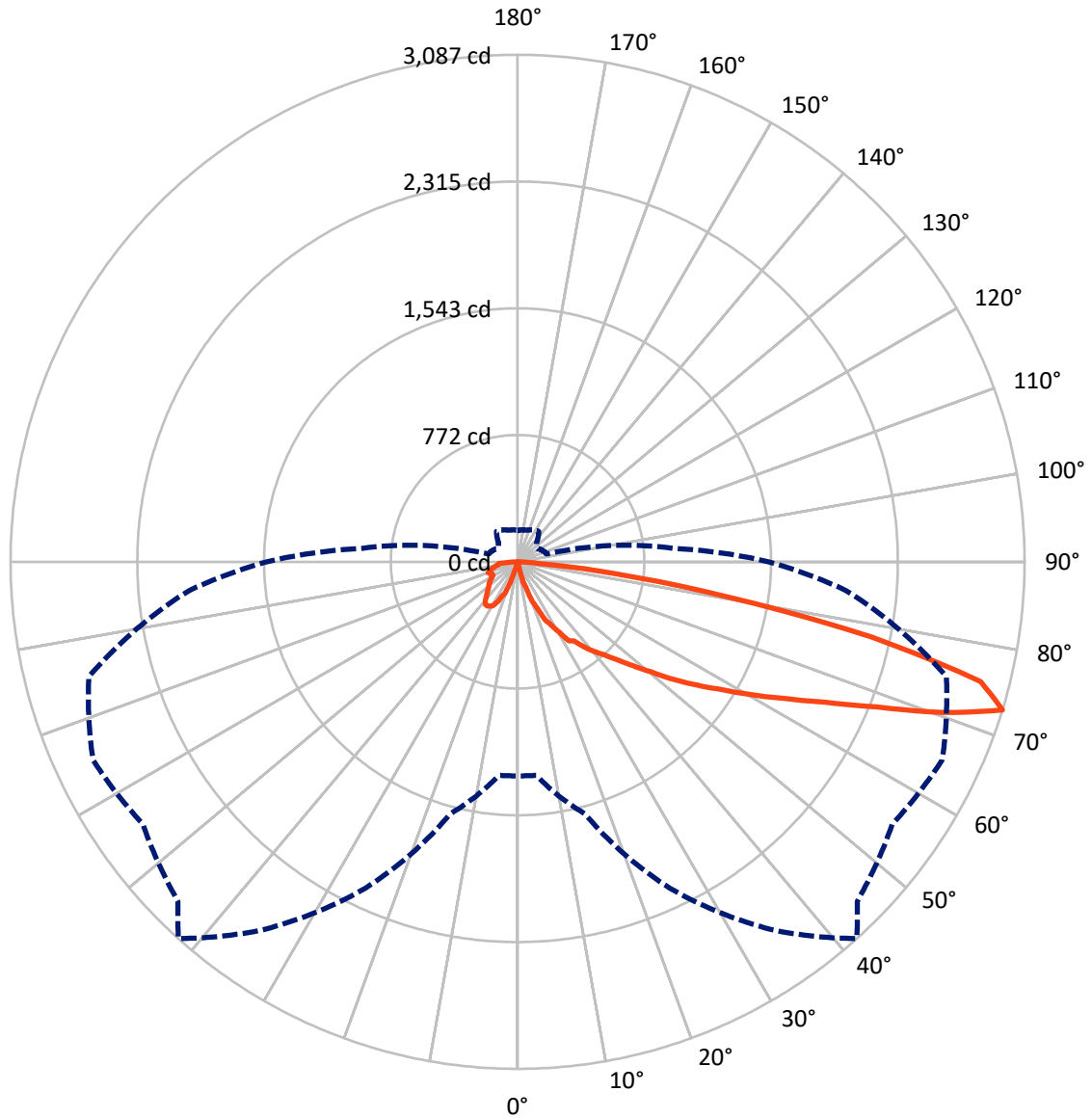
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 42-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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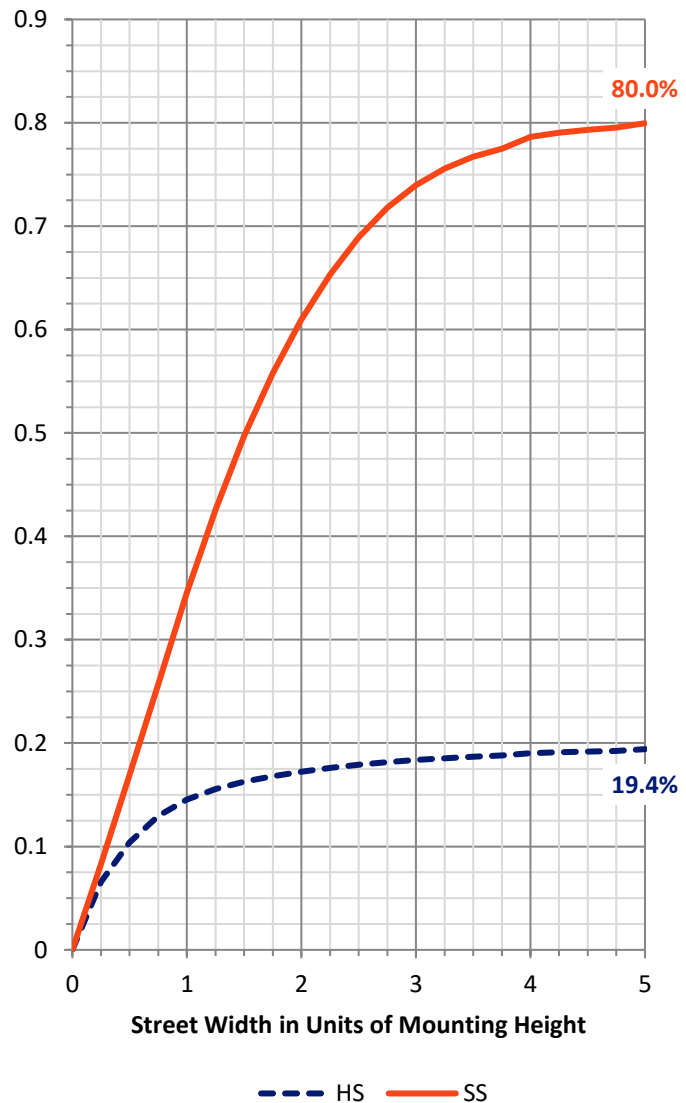
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	903.7	0.0	903.7
	% Fixture	19.9	0.0	19.9
Street Side	Lumens	3628.3	0.0	3628.3
	% Fixture	80.1	0.0	80.1
Total	Lumens	4532.0	0.0	4532.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.2	0.0
10°-20°	32.1	0.7
20°-30°	172.1	3.8
30°-40°	389.8	8.6
40°-50°	576.7	12.7
50°-60°	886.5	19.6
60°-70°	1300.8	28.7
70°-80°	1040.0	22.9
80°-90°	133.8	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°	4532.0	100.0
0°-180°	4532.0	100.0

Coefficient of Utilization



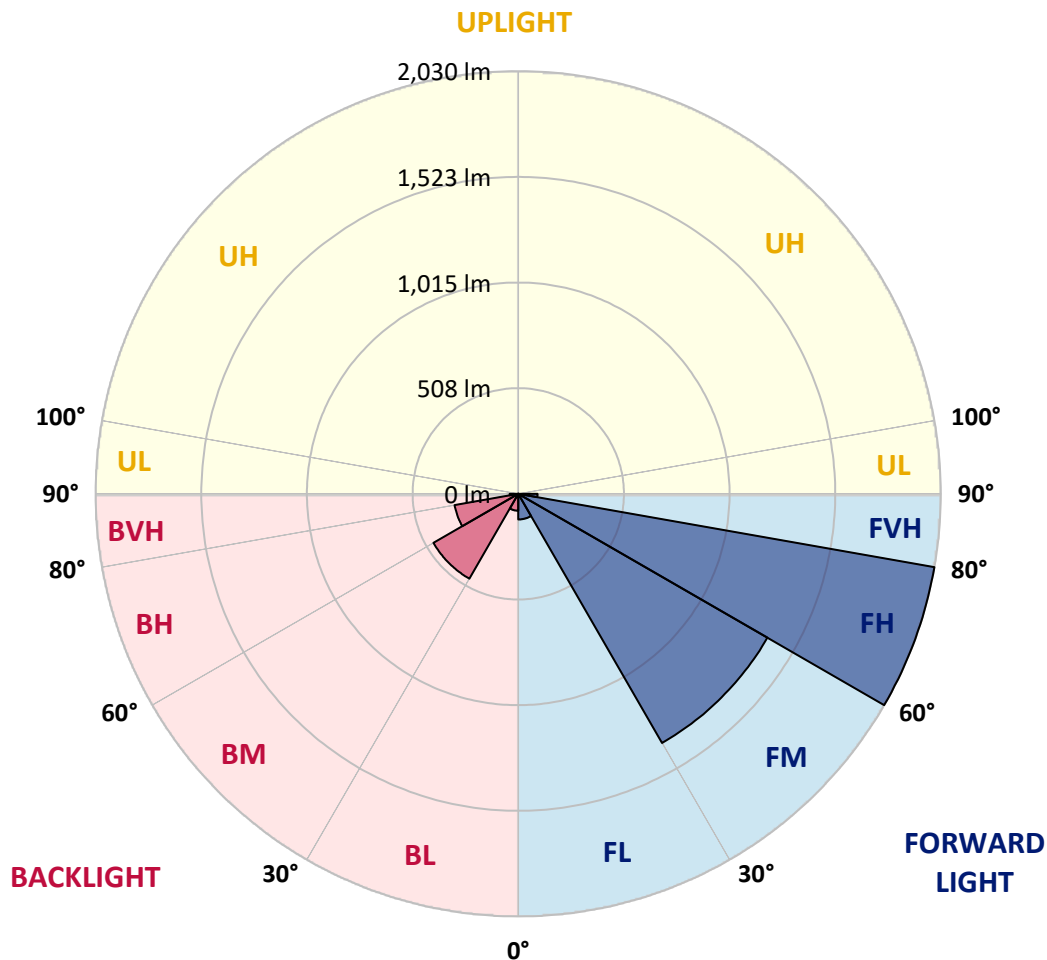
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	123.2	2.7			
FM (30°-60°)	1382.3	30.5			
FH (60°-80°)	2030.4	44.8			G2/5000
FVH (80°-90°)	92.5	2.0			G1/100
BL (0°-30°)	81.3	1.8	B0/110		
BM (30°-60°)	470.6	10.4	B1/1000		
BH (60°-80°)	310.4	6.8	B1/500		G1/500
BVH (80°-90°)	41.3	0.9			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 Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	42°	45°	55°	65°	75°	85°
0°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
2.5°	0.0	0.0	0.0	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
5°	0.0	0.0	0.0	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
7.5°	0.0	0.0	0.0	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
10°	38.8	35.7	31.0	12.4	4.7	1.6	1.6	1.6	1.6	1.6	1.6
12.5°	166.0	166.0	161.3	148.9	34.1	18.6	9.3	3.1	10.9	23.3	29.5
15°	189.2	189.2	183.0	173.7	158.2	131.9	65.2	29.5	128.8	141.2	138.1
17.5°	338.2	311.8	228.0	197.0	176.8	161.3	159.8	147.4	161.3	158.2	155.1
20°	392.5	390.9	376.9	353.7	211.0	257.5	260.6	243.5	186.1	229.6	288.5
22.5°	425.0	418.8	394.0	367.6	387.8	308.7	285.4	268.4	310.2	344.4	336.6
25°	573.9	570.8	550.7	397.1	411.1	392.5	376.9	383.1	394.0	378.5	383.1
27.5°	611.2	603.4	577.0	518.1	448.3	435.9	466.9	418.8	463.8	556.9	546.0
30°	885.7	874.9	736.8	572.4	536.7	496.4	488.6	522.8	563.1	578.6	573.9
32.5°	1006.7	994.3	944.7	750.8	578.6	573.9	546.0	567.7	578.6	715.1	760.1
35°	1154.1	1141.7	1078.1	853.2	698.0	591.0	597.2	575.5	682.5	732.2	784.9
37.5°	1256.5	1244.1	1206.8	941.6	777.2	659.3	622.0	642.2	694.9	761.6	814.4
40°	1352.7	1344.9	1321.6	1053.3	862.5	716.7	665.5	670.1	721.3	806.6	853.2
42.5°	1451.9	1447.3	1434.9	1158.8	940.0	774.1	719.8	704.2	778.7	848.5	910.6
45°	1540.3	1551.2	1545.0	1268.9	1023.8	850.1	788.0	758.5	848.5	915.2	1000.5
47.5°	1585.3	1585.3	1619.5	1380.6	1113.8	944.7	871.8	834.5	940.0	1022.2	1127.7
50°	1648.9	1655.1	1658.2	1495.4	1236.3	1053.3	964.9	927.6	1034.7	1175.8	1337.1
52.5°	1816.5	1873.9	1740.5	1607.1	1389.9	1191.3	1065.7	1025.3	1158.8	1365.1	1605.5
55°	1875.4	1887.8	1850.6	1757.5	1520.2	1324.7	1177.4	1141.7	1351.1	1585.3	1901.8
57.5°	1926.6	1911.1	1959.2	1920.4	1690.8	1467.4	1312.3	1292.2	1557.4	1828.9	2201.2
60°	1976.2	1982.4	2050.7	2108.1	1847.5	1644.3	1461.2	1509.3	1766.8	2083.3	2485.0
62.5°	2019.7	2035.2	2154.6	2218.2	1985.5	1832.0	1658.2	1788.5	2001.1	2334.6	2717.7
65°	1982.4	2004.2	2249.2	2289.6	2173.2	2060.0	1884.7	2067.8	2288.0	2550.2	2865.1
67.5°	1926.6	1946.8	2233.7	2407.5	2388.9	2356.3	2162.4	2334.6	2587.4	2768.9	2857.3
70°	1754.4	1779.2	2075.5	2449.4	2660.3	2747.2	2537.8	2581.2	2813.9	2854.2	2567.2
72.5°	1303.0	1304.6	1590.0	2191.9	2741.0	3086.9	2924.0	2784.4	2852.7	2702.2	2007.3
75°	617.4	609.6	819.0	1393.0	2294.2	2911.6	2913.2	2728.6	2575.0	2215.1	1292.2
77.5°	181.5	184.6	259.1	575.5	1470.5	2201.2	2340.8	2236.8	1962.3	1241.0	567.7
80°	91.5	99.3	128.8	200.1	640.6	1284.4	1462.8	1444.2	1113.8	414.2	195.5
82.5°	45.0	46.5	69.8	108.6	279.2	597.2	764.7	670.1	355.2	198.6	99.3
85°	12.4	10.9	20.2	37.2	86.9	127.2	153.6	125.6	107.0	83.8	40.3
87.5°	0.0	1.6	1.6	3.1	3.1	4.7	4.7	4.7	4.7	4.7	4.7
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°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
2.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
7.5°	1.6	1.6	1.6	1.6	1.6	1.6	0.0	1.6	1.6	1.6	1.6
10°	1.6	1.6	1.6	1.6	1.6	1.6	0.0	1.6	1.6	1.6	1.6
12.5°	29.5	26.4	20.2	10.9	3.1	1.6	1.6	1.6	1.6	3.1	3.1
15°	135.0	133.4	131.9	121.0	26.4	4.7	3.1	14.0	48.1	72.9	88.4
17.5°	153.6	152.0	150.5	147.4	136.5	34.1	45.0	122.5	147.4	148.9	150.5
20°	283.9	277.7	209.4	162.9	150.5	136.5	130.3	150.5	156.7	161.3	162.9
22.5°	330.4	324.2	310.2	288.5	173.7	211.0	197.0	164.4	257.5	277.7	280.8
25°	375.4	367.6	335.1	308.7	294.7	224.9	249.7	265.3	291.6	297.8	300.9
27.5°	538.3	518.1	477.8	342.8	321.1	271.5	291.6	280.8	335.1	390.9	395.6
30°	572.4	552.2	496.4	411.1	339.7	313.3	291.6	366.1	404.9	417.3	423.5
32.5°	763.2	743.0	642.2	414.2	361.4	308.7	341.3	373.8	401.8	485.5	493.3
35°	792.7	767.8	651.5	479.3	349.0	321.1	338.2	387.8	462.3	490.2	494.8
37.5°	825.2	797.3	642.2	449.8	370.7	322.7	330.4	381.6	425.0	437.4	443.6
40°	874.9	833.0	626.7	417.3	349.0	304.0	321.1	350.6	375.4	370.7	375.4
42.5°	941.6	876.4	601.9	380.0	322.7	279.2	297.8	316.4	332.0	318.0	314.9
45°	1025.3	938.5	573.9	347.5	294.7	257.5	274.6	290.1	300.9	276.1	273.0
47.5°	1146.3	1009.8	539.8	313.3	271.5	240.4	255.9	266.8	273.0	249.7	245.1
50°	1310.8	1104.5	501.0	285.4	251.3	224.9	243.5	249.7	245.1	228.0	224.9
52.5°	1517.1	1248.7	462.3	263.7	234.2	214.1	231.1	229.6	224.9	212.5	211.0
55°	1774.6	1441.1	429.7	248.2	220.3	203.2	215.6	215.6	214.1	203.2	203.2
57.5°	2044.5	1622.6	390.9	234.2	204.8	187.7	203.2	206.3	204.8	197.0	195.5
60°	2269.4	1771.5	333.5	221.8	187.7	175.3	192.3	198.6	197.0	189.2	187.7
62.5°	2398.2	1794.7	274.6	204.8	173.7	164.4	186.1	195.5	206.3	211.0	211.0
65°	2424.5	1700.1	235.8	192.3	164.4	161.3	192.3	220.3	229.6	235.8	238.9
67.5°	2317.5	1503.1	212.5	184.6	158.2	167.5	218.7	234.2	224.9	221.8	221.8
70°	2021.2	1247.2	195.5	175.3	150.5	175.3	228.0	223.4	211.0	214.1	212.5
72.5°	1529.5	949.3	183.0	166.0	142.7	162.9	224.9	214.1	198.6	195.5	189.2
75°	926.1	556.9	169.1	155.1	124.1	144.3	215.6	204.8	189.2	183.0	178.4
77.5°	358.3	257.5	153.6	142.7	107.0	127.2	200.1	195.5	179.9	167.5	166.0
80°	152.0	136.5	131.9	125.6	91.5	110.1	179.9	181.5	158.2	142.7	138.1
82.5°	85.3	83.8	102.4	102.4	76.0	97.7	162.9	162.9	139.6	130.3	119.4
85°	27.9	32.6	54.3	62.0	55.8	91.5	158.2	150.5	121.0	100.8	96.2
87.5°	3.1	3.1	6.2	12.4	14.0	23.3	45.0	52.7	37.2	31.0	31.0
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)