

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: P695360

Luminaire Tested: **LXF.LXT-PA16-50-730-U-T4W**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695360
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-PA16-50-730-U-T4W
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 980mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5491 lumens
Efficiency: N/A
Efficacy: 103.4 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

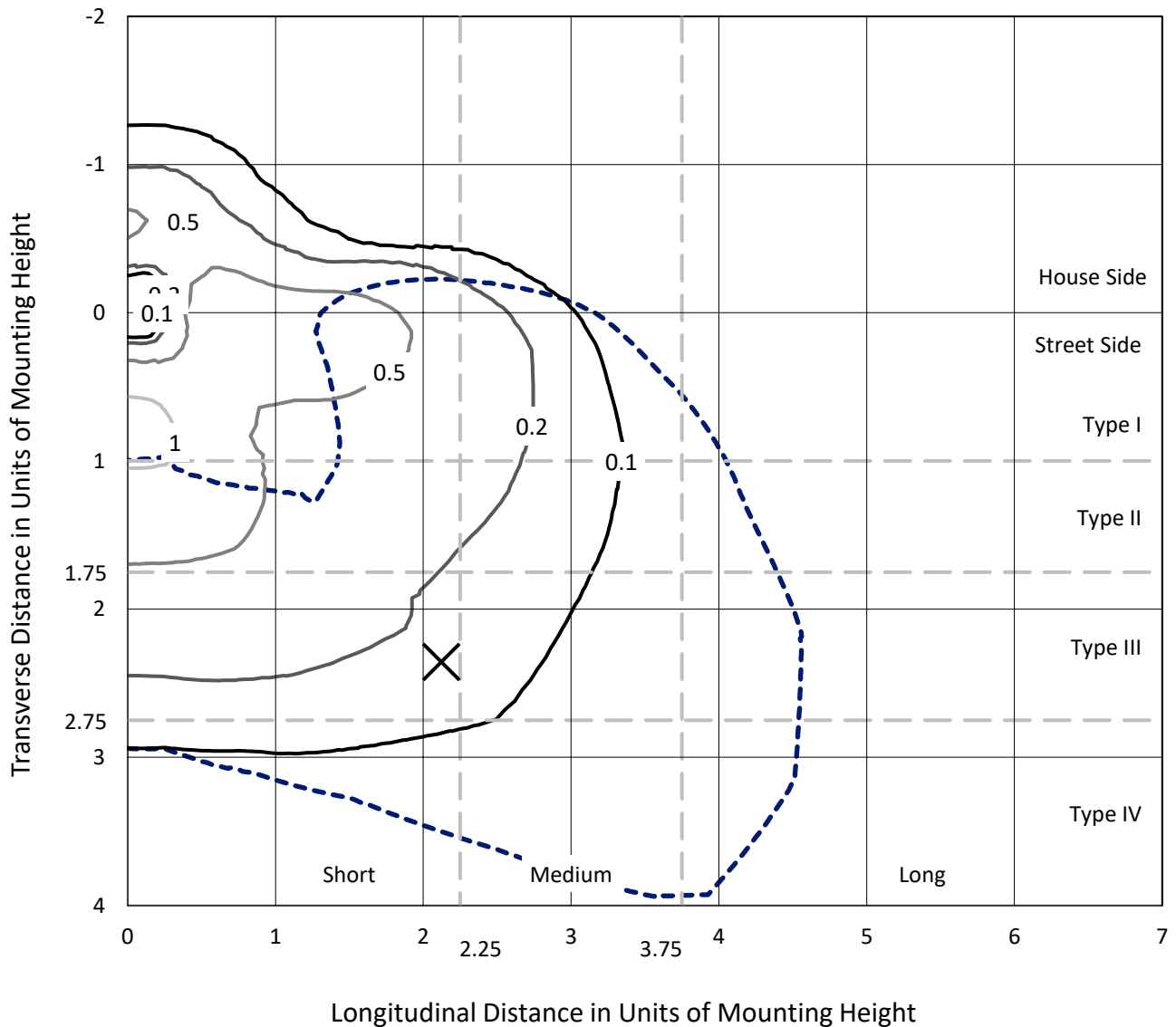
Input Watts (W): 53.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

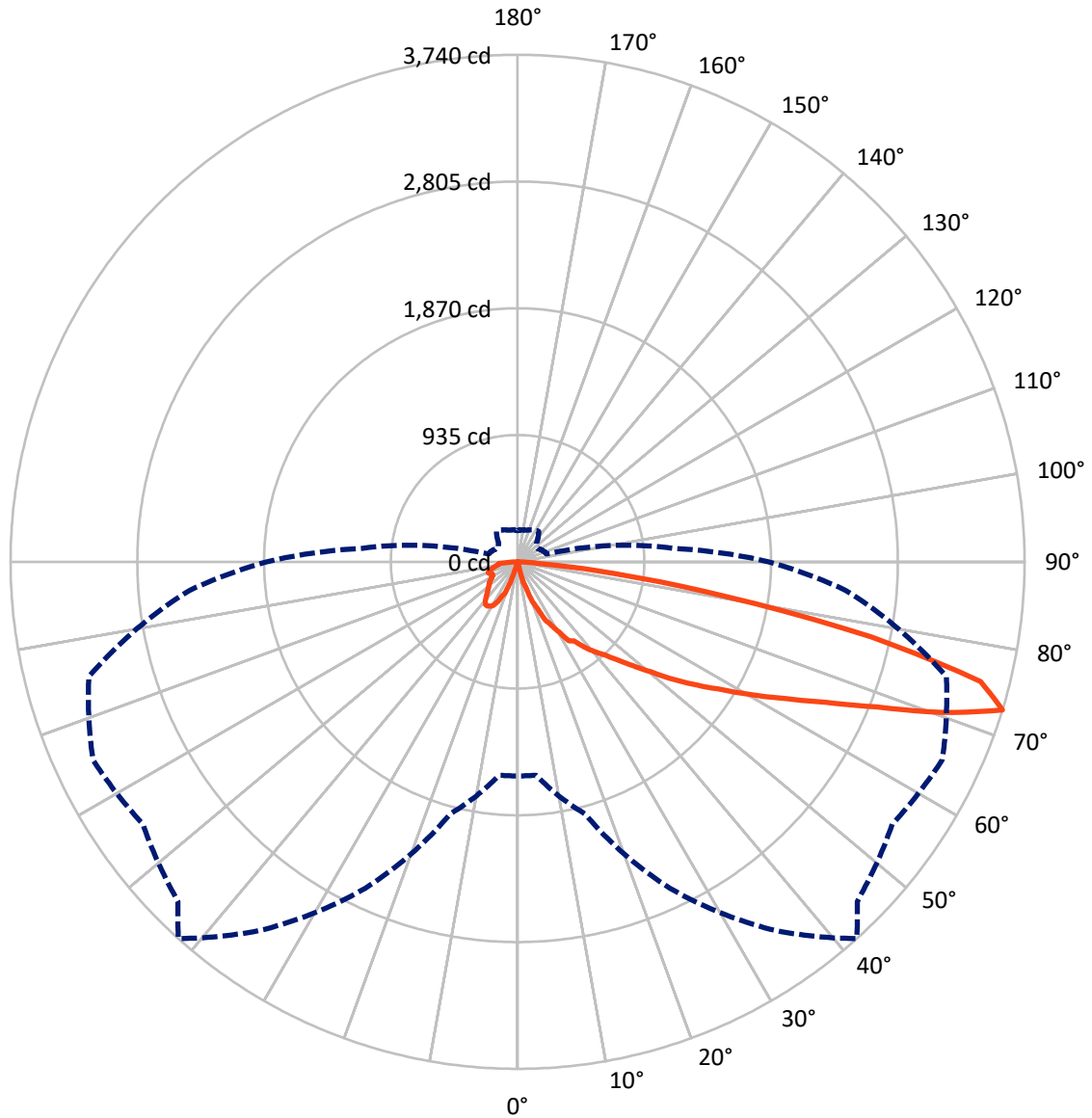
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 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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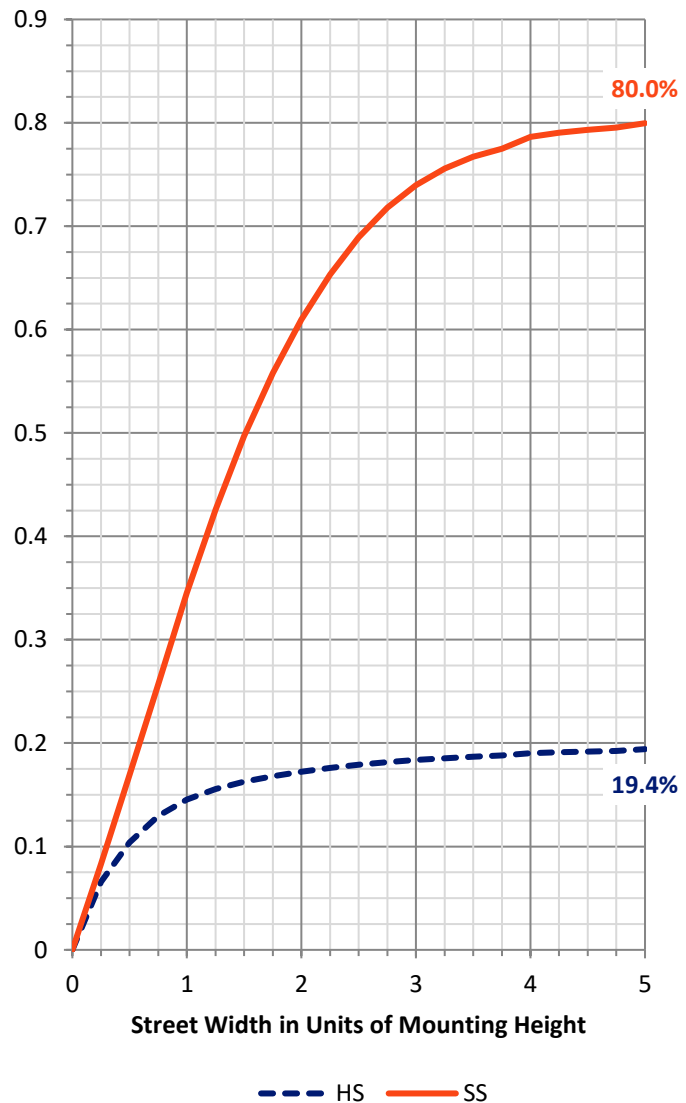
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1094.9	0.0	1094.9
	% Fixture	19.9	0.0	19.9
Street Side	Lumens	4396.1	0.0	4396.1
	% Fixture	80.1	0.0	80.1
Total	Lumens	5491.0	0.0	5491.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.3	0.0
10°-20°	38.9	0.7
20°-30°	208.5	3.8
30°-40°	472.2	8.6
40°-50°	698.7	12.7
50°-60°	1074.0	19.6
60°-70°	1576.0	28.7
70°-80°	1260.1	22.9
80°-90°	162.1	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°	5491.0	100.0
0°-180°	5491.0	100.0

Coefficient of Utilization

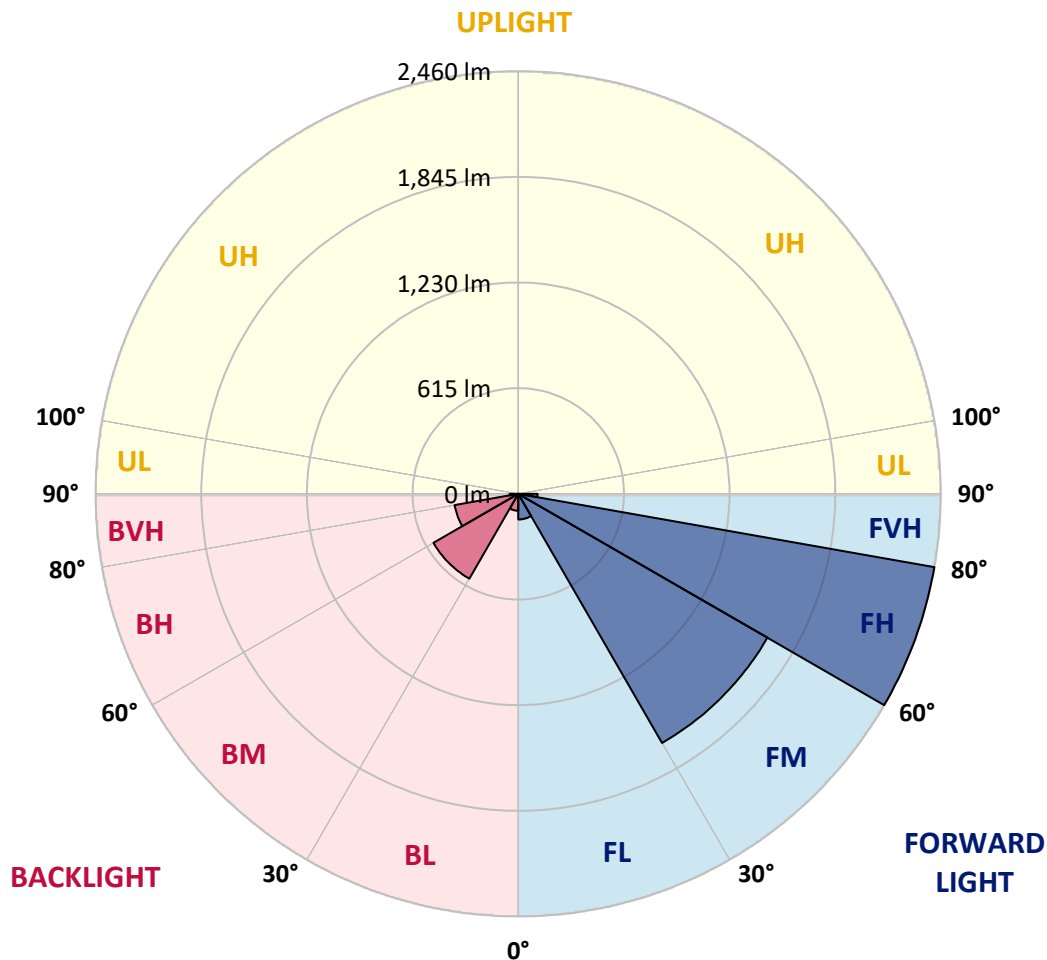


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	149.2	2.7			
FM (30°-60°)	1674.8	30.5			
FH (60°-80°)	2460.0	44.8			G2/5000
FVH (80°-90°)	112.0	2.0			G2/225
BL (0°-30°)	98.5	1.8	B0/110		
BM (30°-60°)	570.2	10.4	B1/1000		
BH (60°-80°)	376.1	6.8	B1/500		G1/500
BVH (80°-90°)	50.1	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°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
2.5°	0.0	0.0	0.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
5°	0.0	0.0	0.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
7.5°	0.0	0.0	0.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
10°	47.0	43.2	37.6	15.0	5.6	1.9	1.9	1.9	1.9	1.9	1.9
12.5°	201.1	201.1	195.5	180.4	41.3	22.6	11.3	3.8	13.2	28.2	35.7
15°	229.3	229.3	221.8	210.5	191.7	159.8	78.9	35.7	156.0	171.0	167.3
17.5°	409.7	377.8	276.3	238.7	214.3	195.5	193.6	178.5	195.5	191.7	187.9
20°	475.5	473.6	456.7	428.5	255.6	312.0	315.7	295.1	225.5	278.2	349.6
22.5°	515.0	507.5	477.4	445.4	469.9	374.0	345.8	325.1	375.9	417.2	407.8
25°	695.4	691.6	667.2	481.1	498.1	475.5	456.7	464.2	477.4	458.6	464.2
27.5°	740.5	731.1	699.2	627.7	543.2	528.1	565.7	507.5	562.0	674.7	661.6
30°	1073.2	1060.0	892.7	693.5	650.3	601.4	592.0	633.4	682.2	701.0	695.4
32.5°	1219.8	1204.7	1144.6	909.7	701.0	695.4	661.6	687.9	701.0	866.4	920.9
35°	1398.3	1383.3	1306.2	1033.7	845.8	716.1	723.6	697.3	827.0	887.1	951.0
37.5°	1522.4	1507.3	1462.2	1140.8	941.6	798.8	753.7	778.1	842.0	922.8	986.7
40°	1638.9	1629.5	1601.3	1276.1	1045.0	868.3	806.3	811.9	873.9	977.3	1033.7
42.5°	1759.2	1753.5	1738.5	1404.0	1138.9	937.8	872.1	853.3	943.5	1028.1	1103.2
45°	1866.3	1879.5	1871.9	1537.4	1240.4	1029.9	954.8	919.1	1028.1	1108.9	1212.2
47.5°	1920.8	1920.8	1962.1	1672.7	1349.4	1144.6	1056.3	1011.1	1138.9	1238.6	1366.4
50°	1997.9	2005.4	2009.1	1811.8	1497.9	1276.1	1169.0	1123.9	1253.6	1424.6	1620.1
52.5°	2200.8	2270.4	2108.7	1947.1	1684.0	1443.4	1291.2	1242.3	1404.0	1653.9	1945.2
55°	2272.3	2287.3	2242.2	2129.4	1841.9	1605.1	1426.5	1383.3	1637.0	1920.8	2304.2
57.5°	2334.3	2315.5	2373.7	2326.8	2048.6	1778.0	1590.0	1565.6	1887.0	2215.9	2666.9
60°	2394.4	2401.9	2484.6	2554.2	2238.4	1992.2	1770.4	1828.7	2140.7	2524.1	3010.9
62.5°	2447.0	2465.8	2610.6	2687.6	2405.7	2219.6	2009.1	2167.0	2424.5	2828.6	3292.8
65°	2401.9	2428.3	2725.2	2774.1	2633.1	2495.9	2283.5	2505.3	2772.2	3089.8	3471.3
67.5°	2334.3	2358.7	2706.4	2916.9	2894.4	2854.9	2620.0	2828.6	3134.9	3354.8	3462.0
70°	2125.7	2155.7	2514.7	2967.7	3223.3	3328.5	3074.8	3127.4	3409.3	3458.2	3110.5
72.5°	1578.7	1580.6	1926.4	2655.7	3321.0	3740.1	3542.8	3373.6	3456.3	3274.0	2432.0
75°	748.0	738.6	992.4	1687.7	2779.7	3527.7	3529.6	3306.0	3119.9	2683.9	1565.6
77.5°	219.9	223.7	313.9	697.3	1781.7	2666.9	2836.1	2710.2	2377.5	1503.6	687.9
80°	110.9	120.3	156.0	242.4	776.2	1556.2	1772.3	1749.8	1349.4	501.8	236.8
82.5°	54.5	56.4	84.6	131.6	338.3	723.6	926.6	811.9	430.4	240.6	120.3
85°	15.0	13.2	24.4	45.1	105.2	154.1	186.1	152.2	129.7	101.5	48.9
87.5°	0.0	1.9	1.9	3.8	3.8	5.6	5.6	5.6	5.6	5.6	5.6
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°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
2.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
7.5°	1.9	1.9	1.9	1.9	1.9	1.9	0.0	1.9	1.9	1.9	1.9
10°	1.9	1.9	1.9	1.9	1.9	1.9	0.0	1.9	1.9	1.9	1.9
12.5°	35.7	32.0	24.4	13.2	3.8	1.9	1.9	1.9	1.9	3.8	3.8
15°	163.5	161.6	159.8	146.6	32.0	5.6	3.8	16.9	58.3	88.3	107.1
17.5°	186.1	184.2	182.3	178.5	165.4	41.3	54.5	148.5	178.5	180.4	182.3
20°	343.9	336.4	253.7	197.3	182.3	165.4	157.9	182.3	189.8	195.5	197.3
22.5°	400.3	392.8	375.9	349.6	210.5	255.6	238.7	199.2	312.0	336.4	340.2
25°	454.8	445.4	406.0	374.0	357.1	272.5	302.6	321.4	353.3	360.9	364.6
27.5°	652.2	627.7	578.9	415.4	389.0	328.9	353.3	340.2	406.0	473.6	479.3
30°	693.5	669.1	601.4	498.1	411.6	379.6	353.3	443.6	490.5	505.6	513.1
32.5°	924.7	900.3	778.1	501.8	437.9	374.0	413.5	452.9	486.8	588.3	597.7
35°	960.4	930.3	789.4	580.8	422.9	389.0	409.7	469.9	560.1	593.9	599.5
37.5°	999.9	966.0	778.1	545.0	449.2	390.9	400.3	462.3	515.0	530.0	537.5
40°	1060.0	1009.3	759.3	505.6	422.9	368.4	389.0	424.8	454.8	449.2	454.8
42.5°	1140.8	1061.9	729.2	460.5	390.9	338.3	360.9	383.4	402.2	385.3	381.5
45°	1242.3	1137.1	695.4	421.0	357.1	312.0	332.7	351.5	364.6	334.5	330.8
47.5°	1388.9	1223.5	654.0	379.6	328.9	291.3	310.1	323.3	330.8	302.6	297.0
50°	1588.1	1338.2	607.1	345.8	304.5	272.5	295.1	302.6	297.0	276.3	272.5
52.5°	1838.1	1513.0	560.1	319.5	283.8	259.4	280.0	278.2	272.5	257.5	255.6
55°	2150.1	1746.0	520.6	300.7	266.9	246.2	261.2	261.2	259.4	246.2	246.2
57.5°	2477.1	1965.9	473.6	283.8	248.1	227.4	246.2	250.0	248.1	238.7	236.8
60°	2749.6	2146.3	404.1	268.8	227.4	212.4	233.1	240.6	238.7	229.3	227.4
62.5°	2905.6	2174.5	332.7	248.1	210.5	199.2	225.5	236.8	250.0	255.6	255.6
65°	2937.6	2059.9	285.7	233.1	199.2	195.5	233.1	266.9	278.2	285.7	289.4
67.5°	2807.9	1821.2	257.5	223.7	191.7	203.0	265.0	283.8	272.5	268.8	268.8
70°	2448.9	1511.1	236.8	212.4	182.3	212.4	276.3	270.6	255.6	259.4	257.5
72.5°	1853.1	1150.2	221.8	201.1	172.9	197.3	272.5	259.4	240.6	236.8	229.3
75°	1122.0	674.7	204.9	187.9	150.4	174.8	261.2	248.1	229.3	221.8	216.1
77.5°	434.2	312.0	186.1	172.9	129.7	154.1	242.4	236.8	218.0	203.0	201.1
80°	184.2	165.4	159.8	152.2	110.9	133.4	218.0	219.9	191.7	172.9	167.3
82.5°	103.4	101.5	124.0	124.0	92.1	118.4	197.3	197.3	169.2	157.9	144.7
85°	33.8	39.5	65.8	75.2	67.7	110.9	191.7	182.3	146.6	122.2	116.5
87.5°	3.8	3.8	7.5	15.0	16.9	28.2	54.5	63.9	45.1	37.6	37.6
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)