

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: P695715

Luminaire Tested: **LXF.LXT-PA16-60-750-U-T3**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695715
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-16)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-60-750-U-T3
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 1160mA LIGHTSQUARE WITH 16 LEDS AND TYPE III OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6769 lumens
Efficiency: N/A
Efficacy: 109.2 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

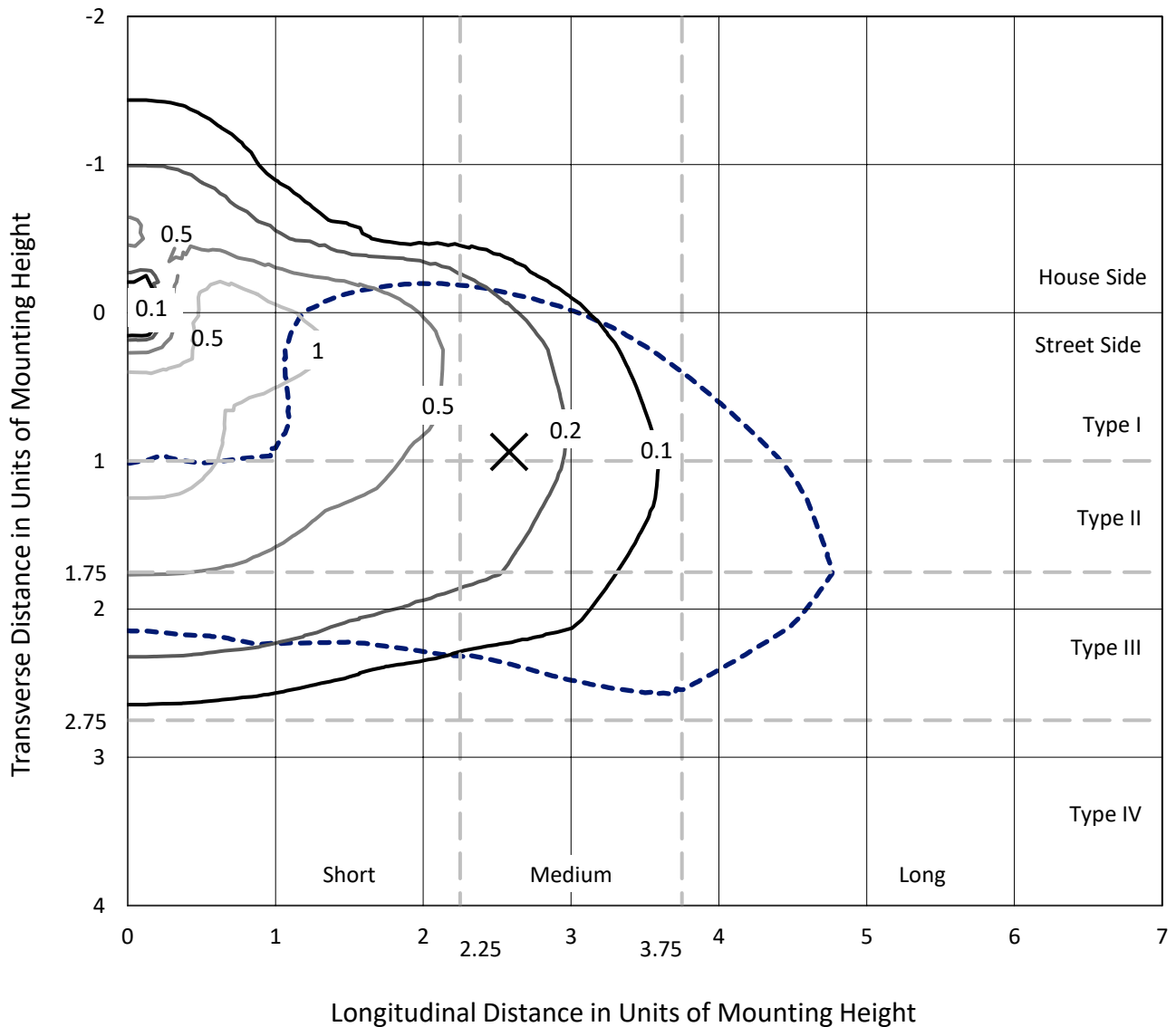
Input Watts (W): 62
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

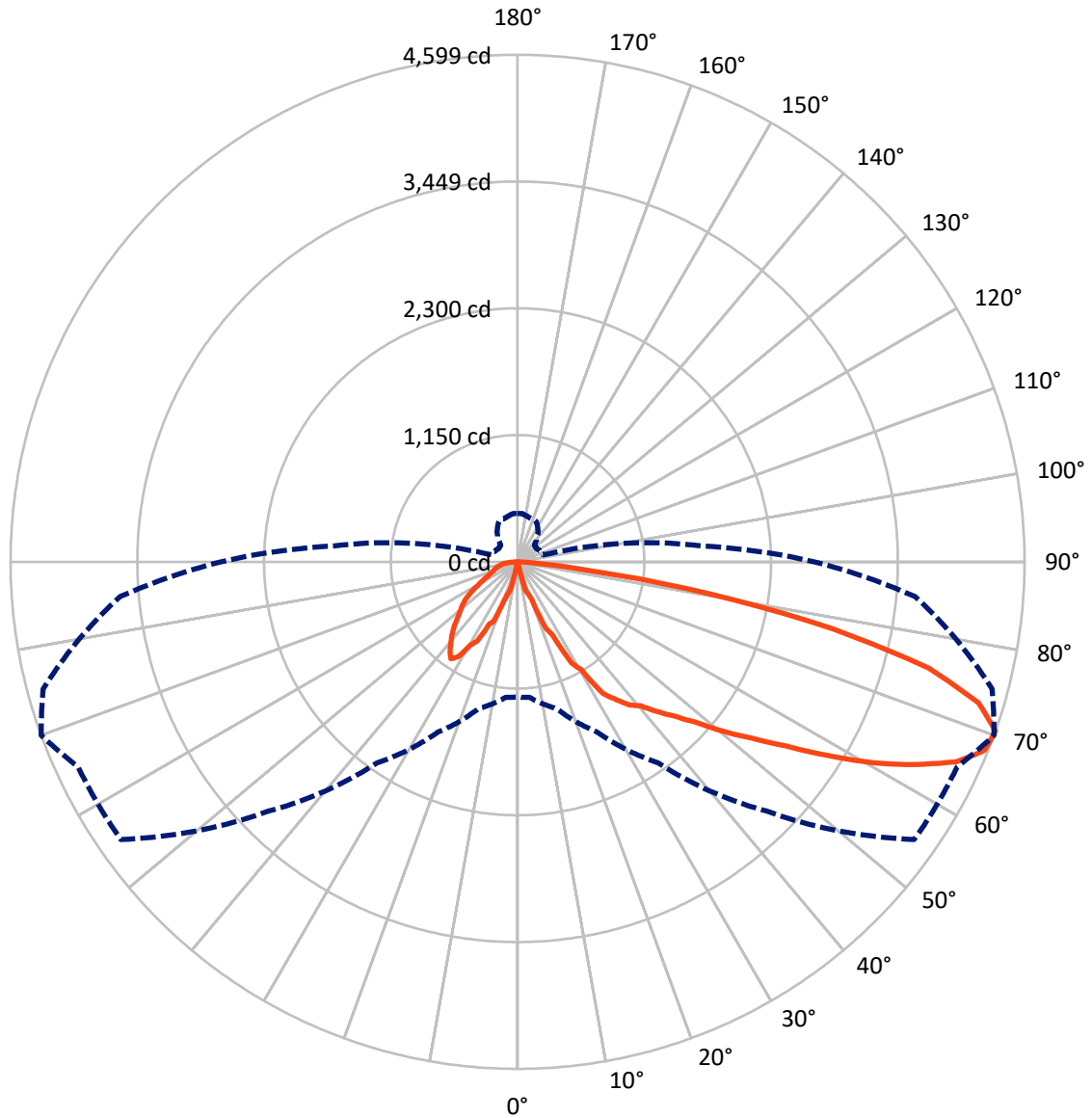
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.8 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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

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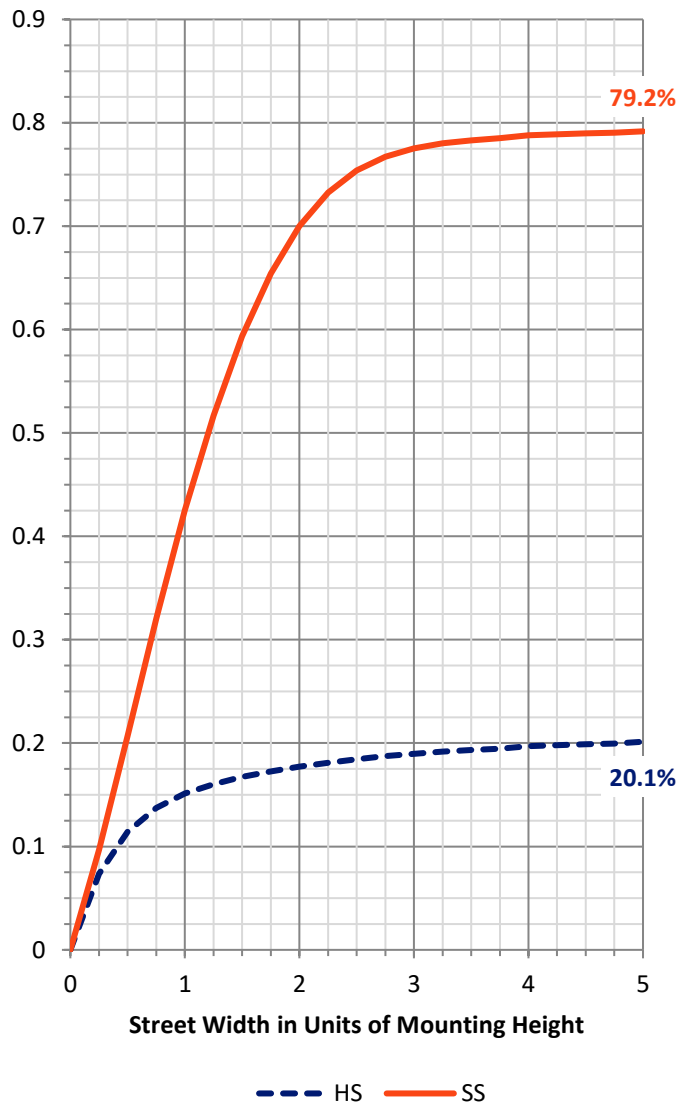
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1395.0	0.0	1395.0
	% Fixture	20.6	0.0	20.6
Street Side	Lumens	5374.0	0.0	5374.0
	% Fixture	79.4	0.0	79.4
Total	Lumens	6769.0	0.0	6769.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.3	0.0
10°-20°	57.3	0.8
20°-30°	323.8	4.8
30°-40°	720.2	10.6
40°-50°	1030.0	15.2
50°-60°	1496.7	22.1
60°-70°	1878.5	27.8
70°-80°	1115.6	16.5
80°-90°	146.6	2.2
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°	6769.0	100.0
0°-180°	6769.0	100.0

Coefficient of Utilization

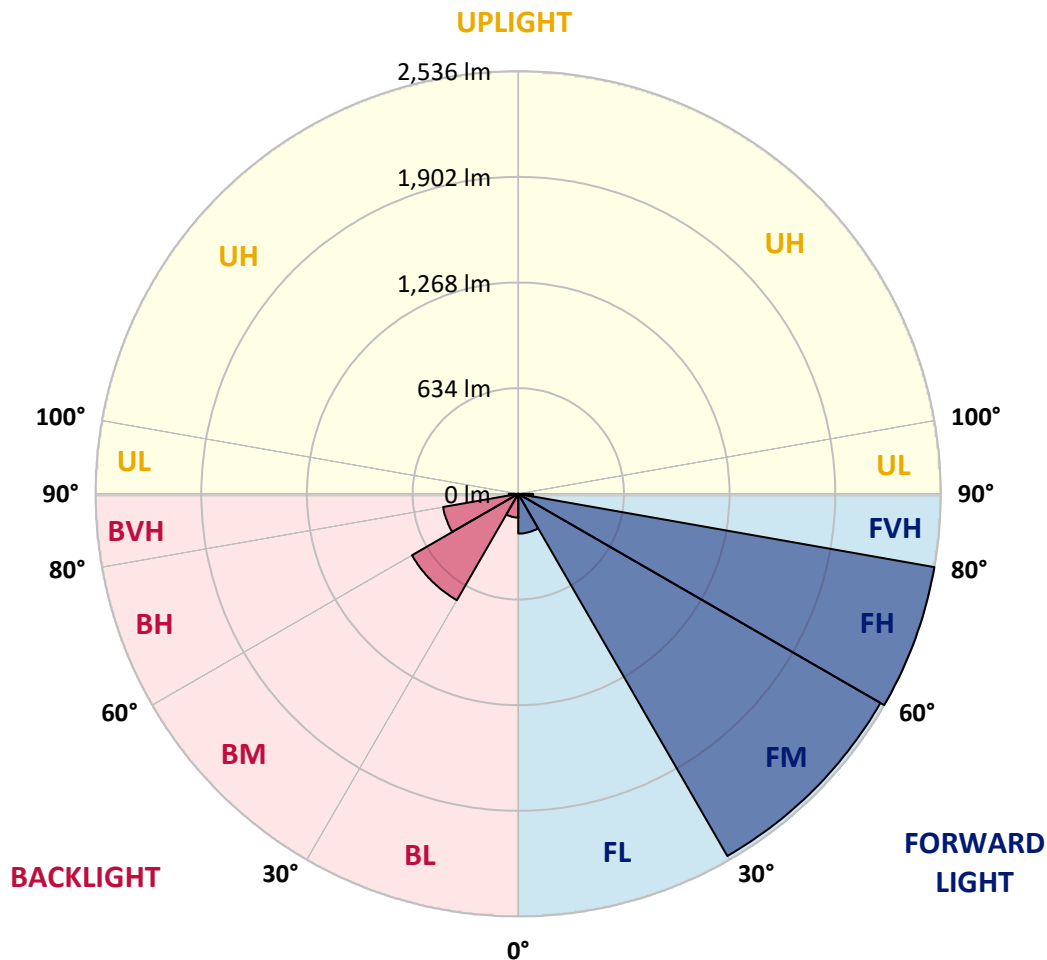


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	238.8	3.5			
FM	(30°-60°)	2510.0	37.1			
FH	(60°-80°)	2536.2	37.5			G2/5000
FVH	(80°-90°)	89.0	1.3			G1/100
BL	(0°-30°)	142.5	2.1	B1/500		
BM	(30°-60°)	736.9	10.9	B1/1000		
BH	(60°-80°)	457.9	6.8	B1/500		G1/500
BVH	(80°-90°)	57.6	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 III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
2.5°	0.0	0.0	0.0	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
5°	0.0	0.0	0.0	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
7.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
10°	30.3	32.6	20.9	11.6	4.7	2.3	2.3	2.3	2.3	2.3	2.3
12.5°	270.0	270.0	267.7	172.2	53.5	11.6	4.7	14.0	25.6	27.9	41.9
15°	300.3	300.3	300.3	295.6	281.6	97.8	44.2	246.7	270.0	277.0	277.0
17.5°	395.7	402.7	365.4	328.2	311.9	272.3	263.0	295.6	300.3	304.9	307.2
20°	672.7	672.7	672.7	600.5	370.1	477.2	437.6	337.5	353.8	423.6	584.2
22.5°	749.5	747.2	730.9	707.6	758.8	530.7	498.1	588.9	649.4	670.3	661.0
25°	1147.5	1145.2	1084.7	800.7	835.6	716.9	749.5	747.2	733.2	740.2	730.9
27.5°	1245.3	1240.6	1235.9	1126.6	924.1	968.3	870.5	972.9	1038.1	1087.0	1056.7
30°	1750.3	1650.3	1450.1	1277.8	1180.1	1038.1	1119.6	1180.1	1135.9	1156.8	1107.9
32.5°	1850.4	1859.7	1850.4	1610.7	1312.8	1182.4	1256.9	1252.2	1426.8	1487.3	1471.0
35°	1950.5	1943.5	1929.6	1715.4	1526.9	1364.0	1324.4	1533.9	1533.9	1568.8	1519.9
37.5°	2029.7	2027.3	2008.7	1773.6	1634.0	1429.1	1499.0	1645.6	1647.9	1682.8	1575.8
40°	2097.2	2099.5	2092.5	1836.5	1720.1	1499.0	1580.4	1755.0	1717.8	1769.0	1668.9
42.5°	2155.3	2162.3	2174.0	1929.6	1794.6	1568.8	1657.2	1834.1	1857.4	1917.9	1803.9
45°	2262.4	2276.4	2292.7	2076.2	1894.7	1661.9	1762.0	1992.4	1997.1	2087.8	1990.1
47.5°	2397.4	2406.7	2441.6	2234.5	2043.6	1796.9	1869.1	2108.8	2176.3	2290.3	2213.5
50°	2513.8	2532.4	2579.0	2427.7	2248.4	1994.7	2020.3	2281.0	2416.0	2518.4	2448.6
52.5°	2602.2	2618.5	2688.4	2590.6	2464.9	2206.6	2211.2	2520.8	2658.1	2800.1	2758.2
55°	2674.4	2693.0	2758.2	2744.2	2662.8	2381.1	2474.2	2751.2	2944.4	3112.0	3065.4
57.5°	2686.0	2683.7	2807.1	2849.0	2800.1	2611.6	2807.1	3002.6	3312.2	3444.8	3447.2
60°	2632.5	2644.1	2790.8	2918.8	2923.4	2849.0	3170.2	3337.8	3700.9	3789.3	3817.2
62.5°	2518.4	2544.1	2707.0	2918.8	3023.5	3086.4	3524.0	3714.8	4050.0	4096.6	4066.3
65°	2302.0	2311.3	2471.9	2783.8	3032.8	3302.8	3889.4	4043.0	4373.5	4327.0	4122.2
67.5°	1859.7	1887.7	2036.6	2397.4	2811.7	3398.3	4222.2	4289.7	4566.7	4469.0	3984.8
70°	1226.6	1233.6	1380.3	1701.5	2227.5	3200.4	4392.2	4399.1	4599.3	4455.0	3619.4
72.5°	533.0	491.1	630.8	889.1	1366.3	2495.2	4185.0	4285.1	4368.9	4192.0	2997.9
75°	230.4	235.1	272.3	367.8	633.1	1410.5	3482.1	3735.8	3849.8	3570.5	2185.6
77.5°	172.2	172.2	197.8	223.4	295.6	533.0	2269.4	2781.5	2916.5	2585.9	1359.3
80°	125.7	130.3	149.0	162.9	190.9	216.5	1131.2	1685.2	1771.3	1347.7	598.2
82.5°	95.4	95.4	107.1	116.4	130.3	130.3	384.1	723.9	656.4	458.5	207.2
85°	41.9	34.9	55.9	53.5	58.2	46.6	102.4	132.7	132.7	104.7	46.6
87.5°	0.0	2.3	2.3	2.3	4.7	4.7	9.3	7.0	9.3	9.3	7.0
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°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
2.5°	2.3	2.3	2.3	2.3	2.3	2.3	0.0	2.3	2.3	2.3	2.3
5°	2.3	2.3	2.3	2.3	2.3	2.3	0.0	2.3	2.3	2.3	2.3
7.5°	2.3	2.3	2.3	2.3	2.3	0.0	0.0	2.3	2.3	2.3	2.3
10°	2.3	2.3	2.3	2.3	2.3	0.0	0.0	2.3	2.3	2.3	2.3
12.5°	37.2	44.2	27.9	14.0	2.3	0.0	0.0	2.3	2.3	4.7	4.7
15°	281.6	279.3	279.3	256.0	44.2	7.0	4.7	23.3	79.1	167.6	165.3
17.5°	307.2	307.2	307.2	295.6	267.7	74.5	74.5	246.7	267.7	270.0	272.3
20°	581.9	574.9	444.6	318.9	281.6	267.7	244.4	270.0	274.7	277.0	281.6
22.5°	654.1	647.1	616.8	554.0	316.6	388.7	351.5	288.6	430.6	451.6	456.2
25°	726.2	707.6	661.0	579.6	530.7	393.4	412.0	412.0	430.6	428.3	430.6
27.5°	1035.8	1014.8	952.0	658.7	574.9	460.9	456.2	402.7	432.9	493.4	498.1
30°	1084.7	1059.1	972.9	758.8	605.2	502.8	425.9	479.5	502.8	495.8	498.1
32.5°	1431.5	1401.2	1263.9	763.4	609.8	463.2	472.5	479.5	488.8	533.0	537.7
35°	1475.7	1447.8	1261.6	875.2	563.3	460.9	456.2	488.8	542.3	549.3	551.6
37.5°	1538.5	1510.6	1235.9	798.4	560.9	456.2	444.6	481.8	500.4	493.4	488.8
40°	1629.3	1587.4	1187.1	714.6	509.7	432.9	432.9	442.2	456.2	430.6	423.6
42.5°	1764.3	1678.2	1133.5	640.1	467.8	402.7	402.7	405.0	395.7	372.4	372.4
45°	1910.9	1755.0	1063.7	572.6	425.9	370.1	372.4	356.1	365.4	346.8	346.8
47.5°	2083.2	1848.1	977.6	507.4	388.7	339.8	335.2	337.5	349.1	335.2	335.2
50°	2281.0	1959.8	912.4	449.2	356.1	309.6	321.2	328.2	342.2	330.5	328.2
52.5°	2516.1	2078.5	861.2	402.7	328.2	284.0	311.9	321.2	337.5	330.5	328.2
55°	2790.8	2227.5	779.7	365.4	302.6	270.0	304.9	321.2	339.8	335.2	332.8
57.5°	3046.8	2355.5	665.7	328.2	284.0	260.7	302.6	321.2	344.5	339.8	337.5
60°	3277.2	2476.6	526.0	300.3	267.7	249.1	295.6	321.2	346.8	349.1	346.8
62.5°	3393.6	2483.5	425.9	279.3	251.4	237.4	288.6	318.9	344.5	358.4	358.4
65°	3337.8	2343.9	339.8	258.4	237.4	223.4	281.6	325.9	365.4	388.7	388.7
67.5°	3109.7	2062.2	281.6	242.1	221.1	211.8	290.9	367.8	405.0	428.3	428.3
70°	2693.0	1666.6	242.1	228.1	209.5	216.5	323.5	402.7	414.3	439.9	437.6
72.5°	2136.7	1245.3	216.5	214.1	202.5	228.1	344.5	388.7	388.7	398.0	388.7
75°	1503.6	791.4	195.5	200.2	186.2	209.5	325.9	363.1	346.8	342.2	339.8
77.5°	856.6	428.3	172.2	181.6	167.6	181.6	284.0	323.5	307.2	295.6	290.9
80°	367.8	218.8	149.0	162.9	146.6	153.6	237.4	279.3	267.7	253.7	249.1
82.5°	146.6	114.1	125.7	144.3	123.4	130.3	202.5	237.4	228.1	214.1	200.2
85°	41.9	44.2	76.8	102.4	93.1	102.4	162.9	188.5	174.6	137.3	132.7
87.5°	4.7	7.0	16.3	20.9	23.3	18.6	37.2	51.2	46.6	34.9	27.9
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)