

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: P695670

Luminaire Tested: **LXF.LXT-PA16-60-740-U-SL3**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695670
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-26)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-60-740-U-SL3
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 1160mA LIGHTSQUARE WITH 16 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6457 lumens
Efficiency: N/A
Efficacy: 104.1 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

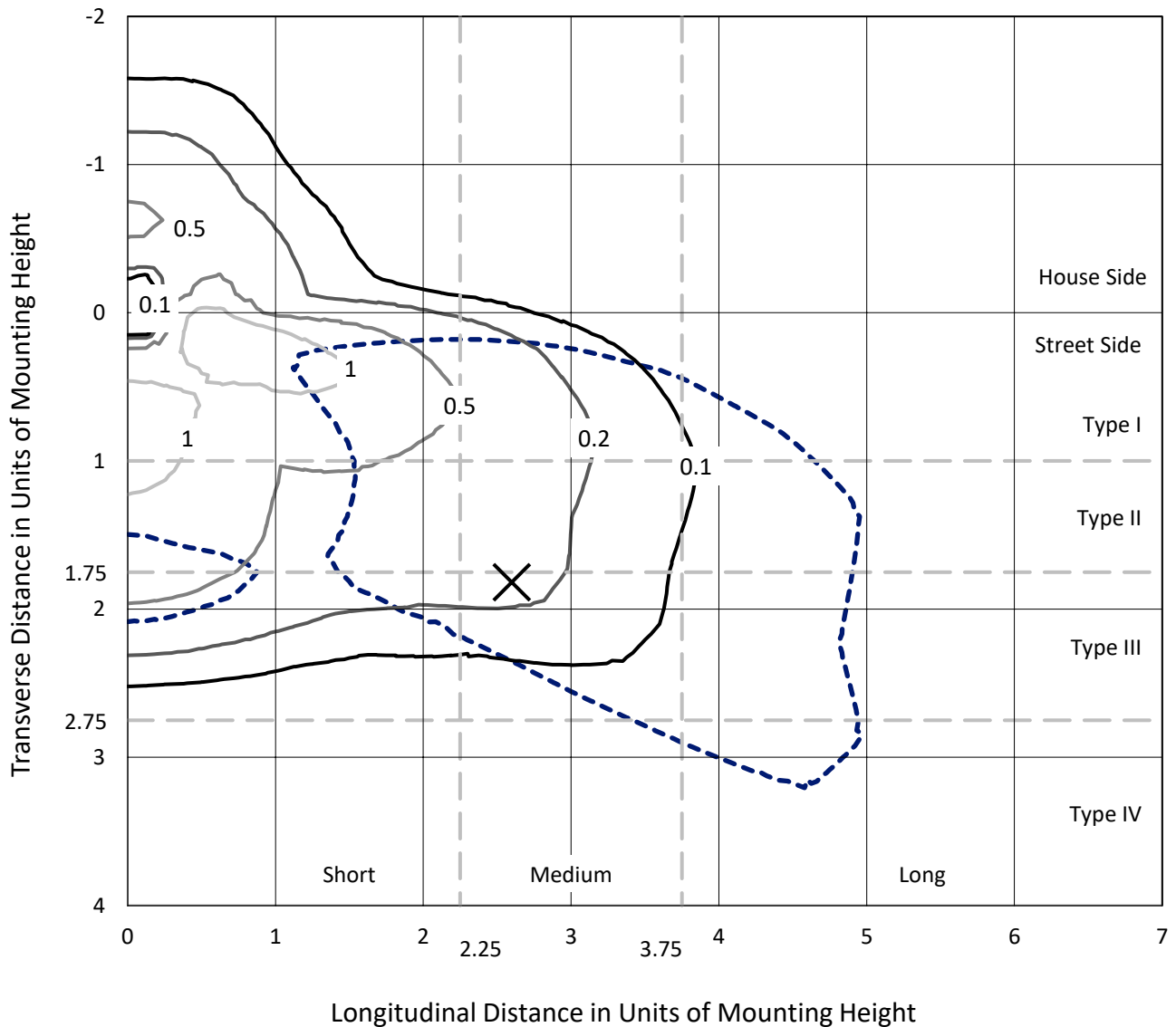
Input Watts (W): 62
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

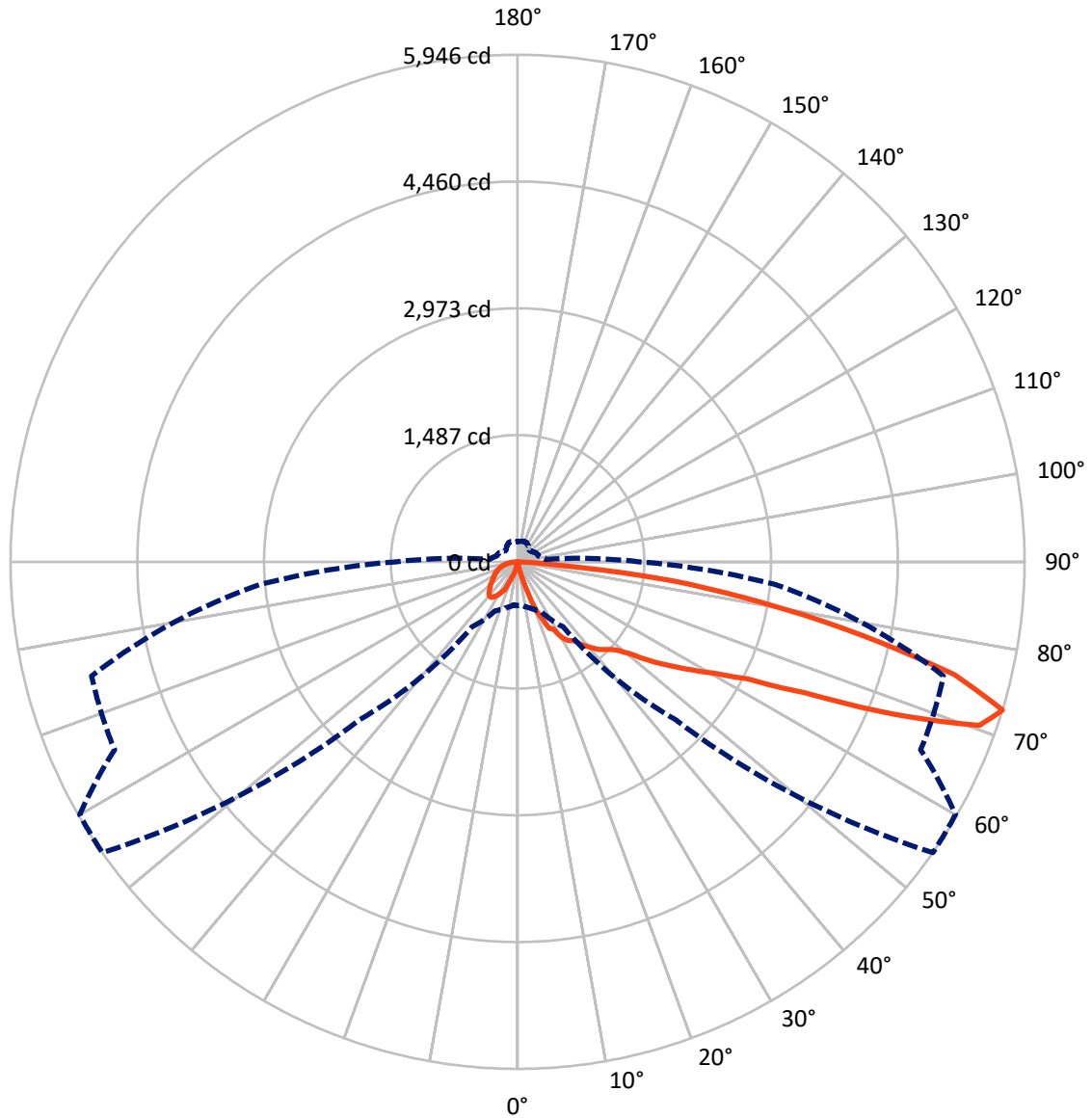
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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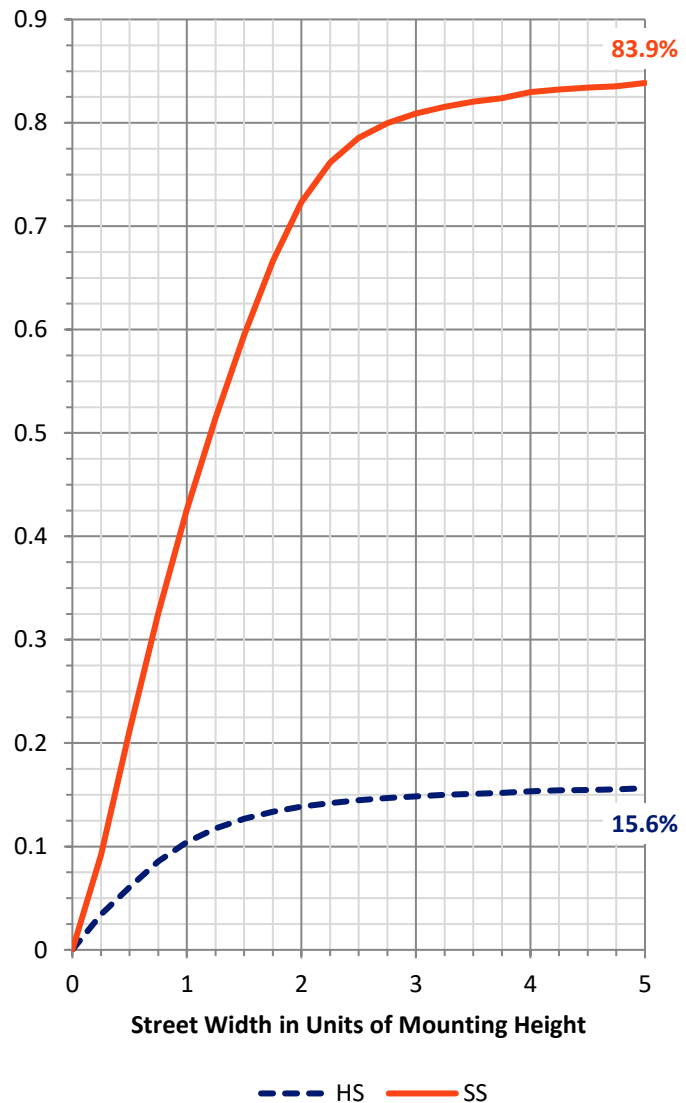
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1025.8	0.0	1025.8
	% Fixture	15.9	0.0	15.9
Street Side	Lumens	5431.2	0.0	5431.2
	% Fixture	84.1	0.0	84.1
Total	Lumens	6457.0	0.0	6457.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.3	0.0
10°-20°	62.4	1.0
20°-30°	292.3	4.5
30°-40°	622.4	9.6
40°-50°	906.3	14.0
50°-60°	1320.5	20.5
60°-70°	1752.6	27.1
70°-80°	1290.3	20.0
80°-90°	210.0	3.3
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°	6457.0	100.0
0°-180°	6457.0	100.0

Coefficient of Utilization

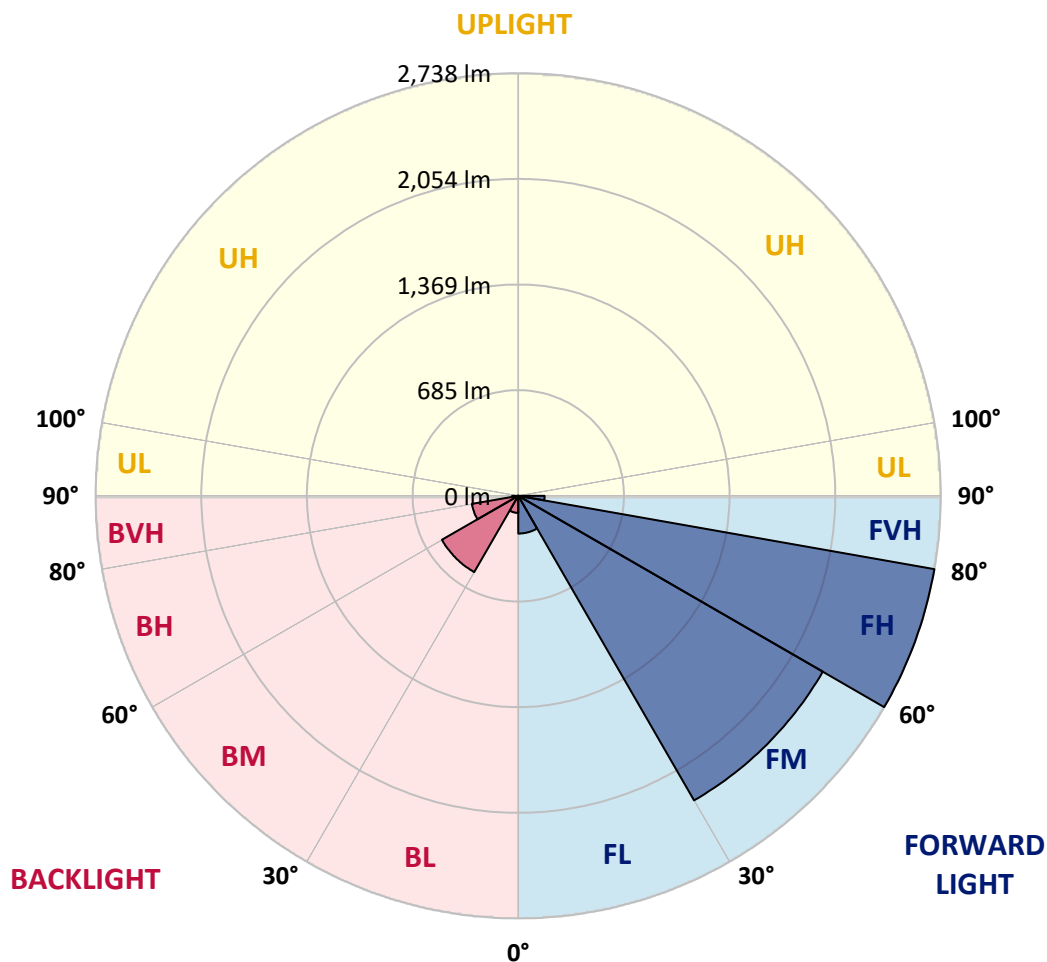


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	244.4	3.8			
FM (30°-60°)	2278.4	35.3			
FH (60°-80°)	2738.0	42.4			G2/5000
FVH (80°-90°)	170.4	2.6			G2/225
BL (0°-30°)	110.6	1.7	B1/500		
BM (30°-60°)	570.8	8.8	B1/1000		
BH (60°-80°)	304.8	4.7	B1/500		G1/500
BVH (80°-90°)	39.5	0.6			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°	60°	65°	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	0.0	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°	0.0	0.0	0.0	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
10°	46.5	48.9	39.6	18.6	7.0	2.3	2.3	2.3	4.7	4.7	7.0
12.5°	370.1	374.7	367.7	149.0	69.8	14.0	9.3	16.3	25.6	39.6	155.9
15°	367.7	367.7	374.7	386.3	386.3	81.5	162.9	211.8	295.6	384.0	379.4
17.5°	388.7	386.3	377.0	372.4	398.0	453.8	344.5	414.3	421.3	435.2	425.9
20°	565.6	565.6	565.6	537.6	402.6	558.6	581.8	470.1	474.8	663.3	644.7
22.5°	619.1	616.8	598.1	584.2	607.4	553.9	702.9	807.6	796.0	903.0	847.2
25°	882.1	856.5	812.3	644.7	672.6	649.3	868.1	996.1	900.7	982.2	1063.6
27.5°	1028.7	1010.1	970.5	877.4	716.8	786.7	889.1	1047.3	1224.2	1403.4	1261.4
30°	1377.8	1359.2	1163.7	1019.4	889.1	809.9	1035.7	1242.8	1440.6	1470.9	1315.0
32.5°	1429.0	1431.3	1440.6	1303.3	1045.0	896.0	1103.2	1284.7	1540.7	1847.9	1633.8
35°	1461.6	1459.3	1459.3	1352.2	1245.1	1059.0	1135.8	1445.3	1771.1	1959.6	1617.5
37.5°	1559.3	1552.4	1540.7	1377.8	1317.3	1175.3	1238.2	1487.2	1899.1	2134.2	1601.2
40°	1678.0	1685.0	1654.8	1447.6	1366.2	1263.8	1319.6	1505.8	2050.4	2276.2	1594.3
42.5°	1845.6	1836.3	1785.1	1564.0	1438.3	1303.3	1408.1	1554.7	2162.1	2467.0	1608.2
45°	2034.1	2010.9	1938.7	1724.6	1545.4	1326.6	1466.2	1643.1	2262.2	2683.5	1657.1
47.5°	2229.6	2199.4	2097.0	1854.9	1657.1	1370.8	1540.7	1757.2	2376.2	2958.1	1747.9
50°	2415.8	2394.9	2264.5	1992.2	1773.5	1452.3	1682.7	1929.4	2532.2	3232.7	1901.5
52.5°	2602.0	2567.1	2406.5	2131.9	1885.2	1554.7	1915.4	2183.1	2741.6	3509.7	2069.0
55°	2802.2	2755.6	2548.5	2269.2	1978.3	1692.0	2141.2	2446.1	2990.7	3842.5	2276.2
57.5°	3135.0	3102.4	2806.8	2474.0	2110.9	1859.6	2385.6	2709.1	3258.3	4147.4	2483.3
60°	3512.0	3453.8	3162.9	2830.1	2387.9	2120.2	2655.5	3002.3	3514.3	4440.6	2713.7
62.5°	3498.0	3439.9	3235.1	3044.2	2744.0	2555.5	3025.6	3304.9	3733.1	4717.6	2918.5
65°	2778.9	2788.2	2781.2	2813.8	2844.1	3167.6	3698.2	3749.4	4077.6	4975.9	3114.0
67.5°	1512.8	1498.8	1671.1	2008.5	2476.3	3556.2	4787.4	4466.2	4503.5	5218.0	3249.0
70°	721.5	721.5	821.6	1117.1	1775.8	3316.5	5746.3	5373.9	4962.0	5322.7	3232.7
72.5°	514.3	507.4	560.9	635.4	928.6	2616.0	5946.4	5930.1	5215.6	5171.4	3018.6
75°	416.6	421.3	442.2	481.8	439.9	1538.4	5294.8	5592.7	4978.3	4694.3	2669.5
77.5°	337.5	337.5	363.1	381.7	281.6	747.1	4110.1	4496.5	3947.2	3828.5	1962.0
80°	251.4	251.4	265.3	304.9	207.1	316.5	2909.2	3027.9	2604.3	2362.3	963.5
82.5°	153.6	144.3	162.9	214.1	149.0	181.5	1827.0	1647.8	1308.0	733.1	286.3
85°	27.9	32.6	46.5	74.5	55.9	67.5	423.6	309.5	260.7	125.7	65.2
87.5°	0.0	0.0	0.0	2.3	4.7	7.0	9.3	11.6	11.6	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	0.0	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	0.0	2.3	2.3	2.3
10°	7.0	7.0	4.7	2.3	2.3	0.0	0.0	0.0	2.3	2.3	2.3
12.5°	162.9	167.6	41.9	23.3	7.0	2.3	0.0	2.3	4.7	9.3	11.6
15°	367.7	346.8	267.6	137.3	79.1	9.3	4.7	39.6	107.1	116.4	123.4
17.5°	405.0	377.0	279.3	195.5	153.6	74.5	93.1	149.0	167.6	176.9	176.9
20°	600.5	528.3	342.1	228.1	181.5	197.8	162.9	176.9	195.5	211.8	221.1
22.5°	770.4	644.7	395.7	325.8	246.7	253.7	223.4	256.0	314.2	337.5	339.8
25°	928.6	719.2	416.6	363.1	353.8	288.6	316.5	318.9	346.8	360.7	363.1
27.5°	1049.6	756.4	498.1	418.9	391.0	353.8	360.7	356.1	442.2	470.1	474.8
30°	1063.6	726.1	521.3	474.8	430.6	409.6	388.7	460.8	495.7	507.4	507.4
32.5°	1180.0	749.4	572.5	512.0	472.5	428.2	465.5	488.7	528.3	600.5	602.8
35°	1056.6	668.0	593.5	556.2	502.7	465.5	486.4	549.3	626.1	642.4	640.0
37.5°	930.9	607.4	565.6	553.9	521.3	488.7	512.0	572.5	614.4	600.5	600.5
40°	828.5	565.6	544.6	535.3	519.0	477.1	523.7	546.9	593.5	579.5	577.2
42.5°	756.4	535.3	523.7	512.0	500.4	460.8	491.1	542.3	584.2	567.9	563.2
45°	733.1	516.7	509.7	493.4	472.5	437.5	470.1	535.3	574.9	558.6	553.9
47.5°	761.1	500.4	491.1	470.1	442.2	407.3	458.5	523.7	553.9	526.0	523.7
50°	842.5	493.4	472.5	444.5	416.6	398.0	442.2	495.7	521.3	495.7	495.7
52.5°	956.6	495.7	453.8	421.3	388.7	377.0	423.6	477.1	498.1	472.5	470.1
55°	1079.9	502.7	430.6	398.0	353.8	360.7	414.3	467.8	474.8	446.9	444.5
57.5°	1219.5	509.7	407.3	381.7	335.1	342.1	395.7	449.2	446.9	409.6	409.6
60°	1361.5	516.7	384.0	360.7	316.5	318.9	372.4	425.9	411.9	374.7	372.4
62.5°	1480.2	509.7	356.1	337.5	297.9	290.9	344.5	398.0	386.3	346.8	346.8
65°	1582.6	481.8	332.8	314.2	279.3	267.6	316.5	363.1	353.8	316.5	318.9
67.5°	1624.5	437.5	309.5	290.9	258.3	242.0	283.9	321.2	318.9	288.6	290.9
70°	1561.7	377.0	283.9	267.6	235.1	214.1	251.4	283.9	283.9	263.0	263.0
72.5°	1426.7	332.8	256.0	242.0	207.1	190.8	221.1	246.7	251.4	237.4	239.7
75°	1275.4	290.9	223.4	216.4	183.9	162.9	188.5	214.1	218.8	211.8	211.8
77.5°	961.2	225.8	188.5	188.5	160.6	139.6	160.6	183.9	188.5	186.2	183.9
80°	486.4	160.6	151.3	160.6	132.7	116.4	132.7	153.6	160.6	174.6	174.6
82.5°	165.2	104.7	114.0	130.3	107.1	93.1	102.4	125.7	165.2	142.0	139.6
85°	46.5	46.5	60.5	69.8	72.1	62.8	72.1	118.7	95.4	81.5	79.1
87.5°	4.7	7.0	9.3	14.0	11.6	14.0	18.6	23.3	16.3	11.6	9.3
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)