

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: P695690

Luminaire Tested: **LXF.LXT-PA16-60-740-U-T4W**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695690
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-PA16-60-740-U-T4W
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 1160mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6802 lumens
Efficiency: N/A
Efficacy: 109.7 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

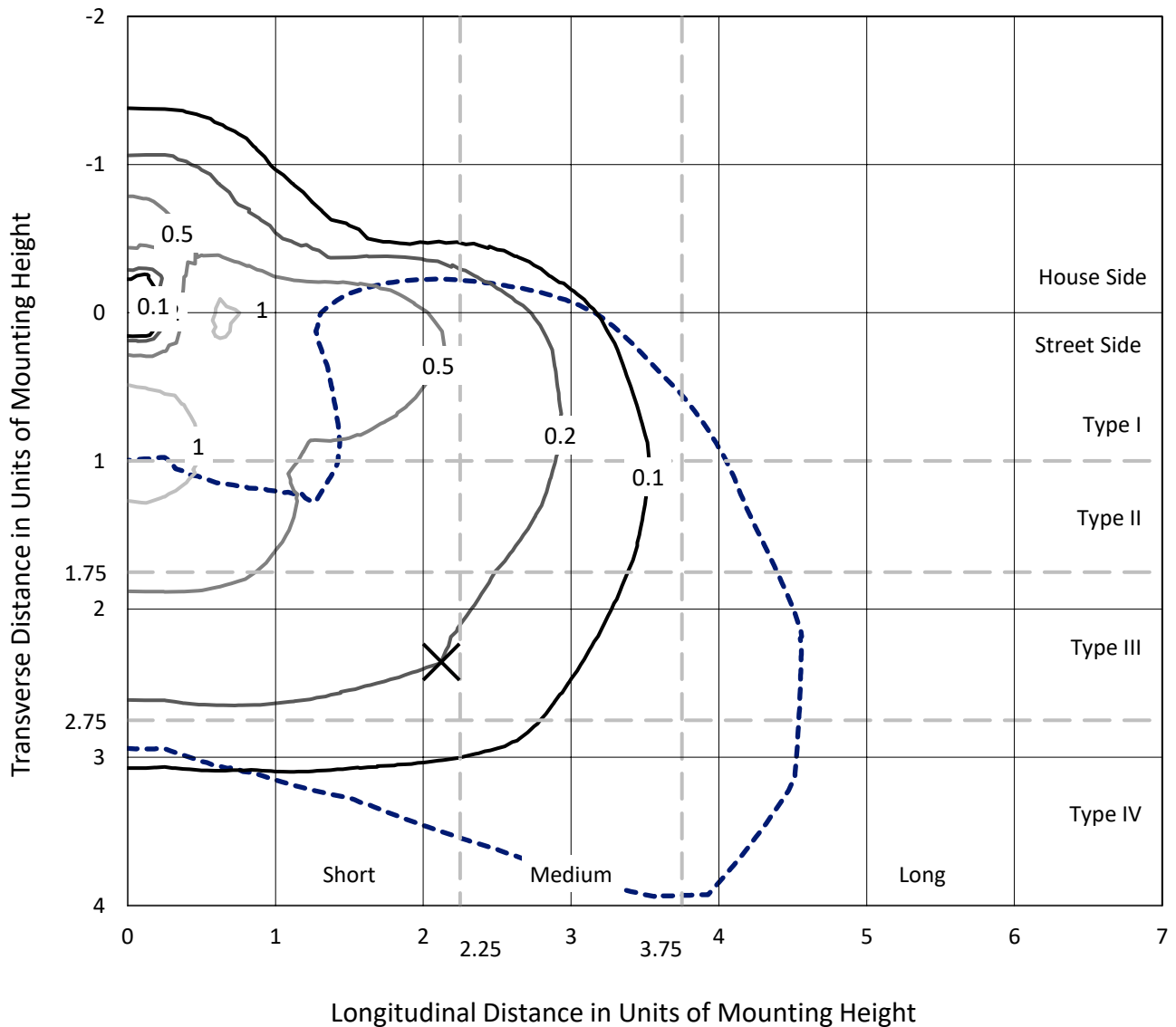
Input Watts (W): 62
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

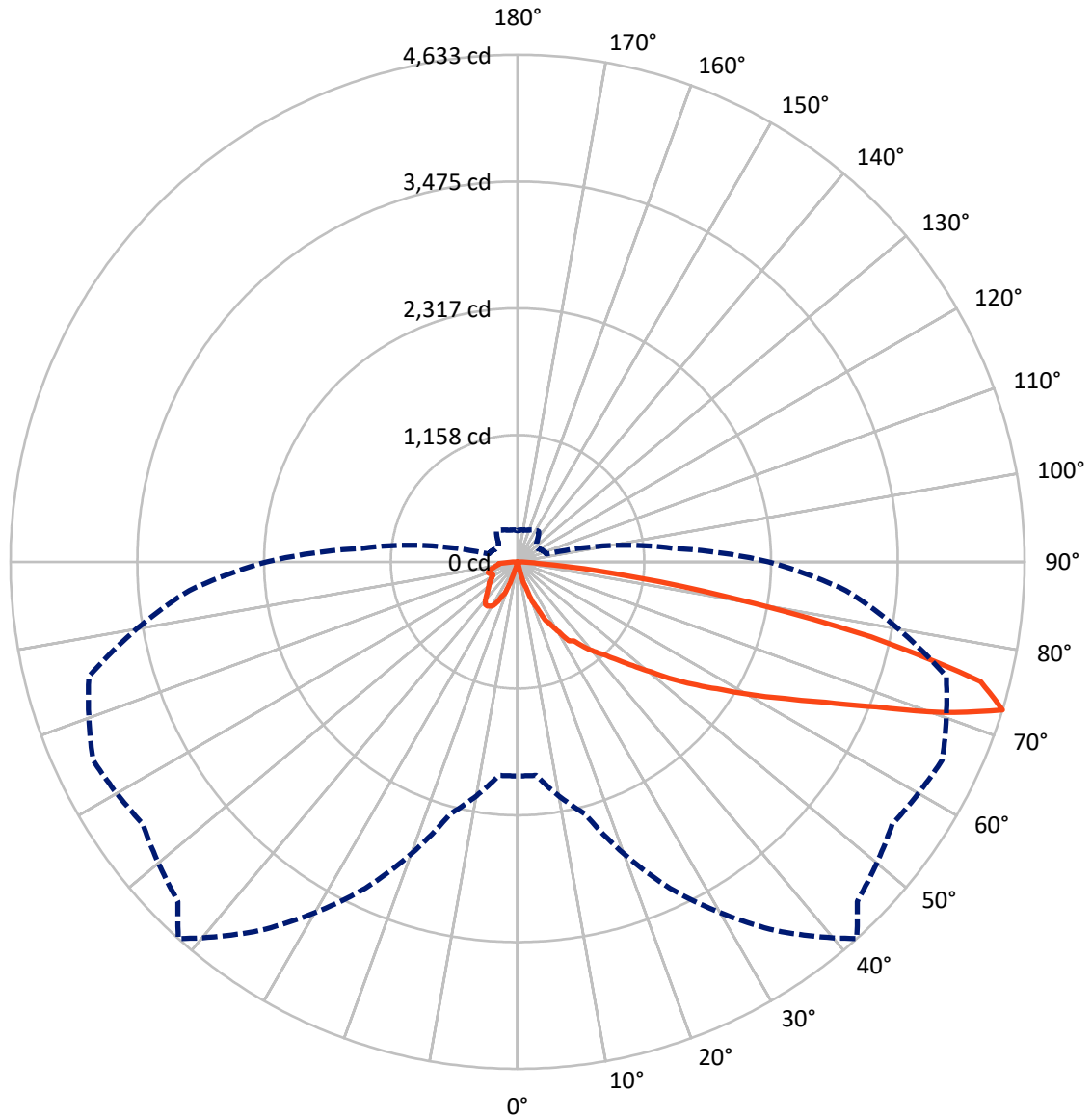
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 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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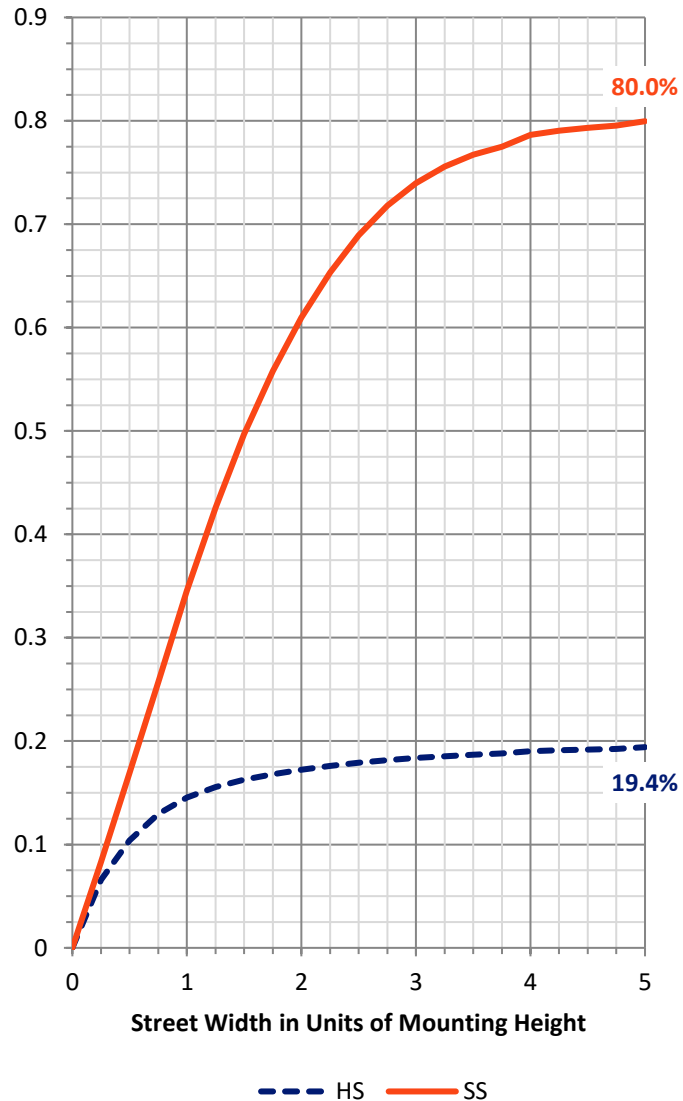
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1356.3	0.0	1356.3
	% Fixture	19.9	0.0	19.9
Street Side	Lumens	5445.7	0.0	5445.7
	% Fixture	80.1	0.0	80.1
Total	Lumens	6802.0	0.0	6802.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.3	0.0
10°-20°	48.2	0.7
20°-30°	258.3	3.8
30°-40°	585.0	8.6
40°-50°	865.6	12.7
50°-60°	1330.5	19.6
60°-70°	1952.3	28.7
70°-80°	1561.0	22.9
80°-90°	200.8	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°	6802.0	100.0
0°-180°	6802.0	100.0

Coefficient of Utilization

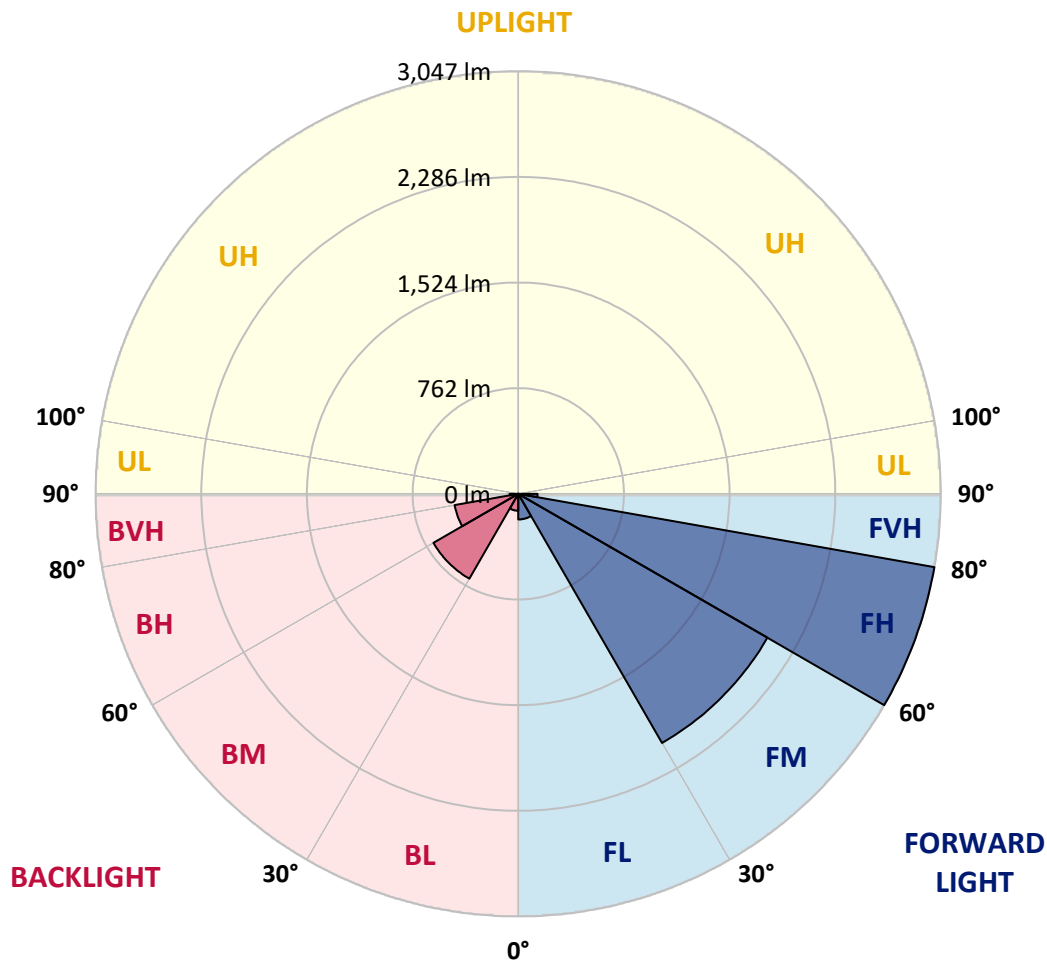


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	184.9	2.7			
FM (30°-60°)	2074.7	30.5			
FH (60°-80°)	3047.4	44.8			G2/5000
FVH (80°-90°)	138.8	2.0			G2/225
BL (0°-30°)	122.0	1.8	B1/500		
BM (30°-60°)	706.3	10.4	B1/1000		
BH (60°-80°)	465.9	6.8	B1/500		G1/500
BVH (80°-90°)	62.1	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°	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°	0.0	0.0	0.0	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
10°	58.2	53.5	46.6	18.6	7.0	2.3	2.3	2.3	2.3	2.3	2.3
12.5°	249.1	249.1	242.1	223.5	51.2	27.9	14.0	4.7	16.3	34.9	44.2
15°	284.0	284.0	274.7	260.8	237.5	197.9	97.8	44.2	193.2	211.9	207.2
17.5°	507.5	468.0	342.2	295.7	265.4	242.1	239.8	221.2	242.1	237.5	232.8
20°	589.0	586.7	565.7	530.8	316.6	386.5	391.1	365.5	279.4	344.6	433.0
22.5°	637.9	628.6	591.4	551.8	582.0	463.3	428.4	402.8	465.6	516.9	505.2
25°	861.4	856.8	826.5	596.0	617.0	589.0	565.7	575.1	591.4	568.1	575.1
27.5°	917.3	905.7	866.1	777.6	672.8	654.2	700.8	628.6	696.1	835.8	819.5
30°	1329.4	1313.1	1105.9	859.1	805.5	745.0	733.4	784.6	845.1	868.4	861.4
32.5°	1511.0	1492.4	1417.9	1126.8	868.4	861.4	819.5	852.1	868.4	1073.3	1140.8
35°	1732.2	1713.5	1618.1	1280.5	1047.7	887.0	896.3	863.8	1024.4	1098.9	1178.1
37.5°	1885.8	1867.2	1811.3	1413.2	1166.4	989.5	933.6	963.9	1043.0	1143.1	1222.3
40°	2030.2	2018.5	1983.6	1580.8	1294.5	1075.6	998.8	1005.8	1082.6	1210.7	1280.5
42.5°	2179.2	2172.2	2153.6	1739.1	1410.9	1161.8	1080.3	1057.0	1168.7	1273.5	1366.6
45°	2311.9	2328.2	2318.9	1904.5	1536.6	1275.8	1182.7	1138.5	1273.5	1373.6	1501.7
47.5°	2379.4	2379.4	2430.6	2072.1	1671.6	1417.9	1308.4	1252.6	1410.9	1534.3	1692.6
50°	2474.9	2484.2	2488.8	2244.4	1855.6	1580.8	1448.1	1392.3	1552.9	1764.8	2006.9
52.5°	2726.3	2812.4	2612.2	2412.0	2086.0	1788.0	1599.5	1538.9	1739.1	2048.8	2409.7
55°	2814.8	2833.4	2777.5	2637.8	2281.6	1988.3	1767.1	1713.5	2027.8	2379.4	2854.3
57.5°	2891.6	2868.3	2940.5	2882.3	2537.7	2202.5	1969.6	1939.4	2337.5	2744.9	3303.7
60°	2966.1	2975.4	3077.9	3164.0	2772.9	2467.9	2193.1	2265.3	2651.8	3126.7	3729.7
62.5°	3031.3	3054.6	3233.8	3329.3	2980.1	2749.6	2488.8	2684.4	3003.4	3503.9	4079.0
65°	2975.4	3008.0	3375.9	3436.4	3261.8	3091.8	2828.7	3103.5	3434.1	3827.5	4300.1
67.5°	2891.6	2921.9	3352.6	3613.3	3585.4	3536.5	3245.5	3503.9	3883.4	4155.8	4288.5
70°	2633.2	2670.4	3115.1	3676.2	3992.8	4123.2	3808.9	3874.1	4223.3	4283.8	3853.1
72.5°	1955.7	1958.0	2386.4	3289.7	4113.9	4633.1	4388.6	4179.1	4281.5	4055.7	3012.7
75°	926.6	915.0	1229.3	2090.7	3443.4	4370.0	4372.3	4095.3	3864.8	3324.6	1939.4
77.5°	272.4	277.1	388.8	863.8	2207.1	3303.7	3513.2	3357.2	2945.1	1862.5	852.1
80°	137.4	149.0	193.2	300.3	961.5	1927.7	2195.5	2167.5	1671.6	621.6	293.4
82.5°	67.5	69.8	104.8	163.0	419.1	896.3	1147.8	1005.8	533.2	298.0	149.0
85°	18.6	16.3	30.3	55.9	130.4	190.9	230.5	188.6	160.6	125.7	60.5
87.5°	0.0	2.3	2.3	4.7	4.7	7.0	7.0	7.0	7.0	7.0	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	2.3	2.3	2.3	2.3	2.3
5°	2.3	2.3	2.3	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	0.0	2.3	2.3	2.3	2.3
10°	2.3	2.3	2.3	2.3	2.3	2.3	0.0	2.3	2.3	2.3	2.3
12.5°	44.2	39.6	30.3	16.3	4.7	2.3	2.3	2.3	2.3	4.7	4.7
15°	202.6	200.2	197.9	181.6	39.6	7.0	4.7	21.0	72.2	109.4	132.7
17.5°	230.5	228.2	225.8	221.2	204.9	51.2	67.5	183.9	221.2	223.5	225.8
20°	426.1	416.7	314.3	244.5	225.8	204.9	195.6	225.8	235.1	242.1	244.5
22.5°	495.9	486.6	465.6	433.0	260.8	316.6	295.7	246.8	386.5	416.7	421.4
25°	563.4	551.8	502.9	463.3	442.4	337.6	374.8	398.1	437.7	447.0	451.7
27.5°	807.9	777.6	717.1	514.5	481.9	407.4	437.7	421.4	502.9	586.7	593.7
30°	859.1	828.8	745.0	617.0	509.9	470.3	437.7	549.5	607.7	626.3	635.6
32.5°	1145.5	1115.2	963.9	621.6	542.5	463.3	512.2	561.1	603.0	728.7	740.4
35°	1189.7	1152.4	977.8	719.4	523.8	481.9	507.5	582.0	693.8	735.7	742.7
37.5°	1238.6	1196.7	963.9	675.2	556.4	484.3	495.9	572.7	637.9	656.5	665.9
40°	1313.1	1250.2	940.6	626.3	523.8	456.3	481.9	526.2	563.4	556.4	563.4
42.5°	1413.2	1315.4	903.3	570.4	484.3	419.1	447.0	474.9	498.2	477.3	472.6
45°	1538.9	1408.5	861.4	521.5	442.4	386.5	412.1	435.4	451.7	414.4	409.8
47.5°	1720.5	1515.6	810.2	470.3	407.4	360.9	384.1	400.4	409.8	374.8	367.9
50°	1967.3	1657.7	752.0	428.4	377.2	337.6	365.5	374.8	367.9	342.2	337.6
52.5°	2277.0	1874.2	693.8	395.8	351.6	321.3	346.9	344.6	337.6	319.0	316.6
55°	2663.4	2162.9	644.9	372.5	330.6	305.0	323.6	323.6	321.3	305.0	305.0
57.5°	3068.5	2435.3	586.7	351.6	307.3	281.7	305.0	309.6	307.3	295.7	293.4
60°	3406.1	2658.8	500.6	332.9	281.7	263.1	288.7	298.0	295.7	284.0	281.7
62.5°	3599.4	2693.7	412.1	307.3	260.8	246.8	279.4	293.4	309.6	316.6	316.6
65°	3638.9	2551.7	353.9	288.7	246.8	242.1	288.7	330.6	344.6	353.9	358.5
67.5°	3478.3	2256.0	319.0	277.1	237.5	251.4	328.3	351.6	337.6	332.9	332.9
70°	3033.6	1871.9	293.4	263.1	225.8	263.1	342.2	335.3	316.6	321.3	319.0
72.5°	2295.6	1424.8	274.7	249.1	214.2	244.5	337.6	321.3	298.0	293.4	284.0
75°	1389.9	835.8	253.8	232.8	186.3	216.5	323.6	307.3	284.0	274.7	267.7
77.5°	537.8	386.5	230.5	214.2	160.6	190.9	300.3	293.4	270.1	251.4	249.1
80°	228.2	204.9	197.9	188.6	137.4	165.3	270.1	272.4	237.5	214.2	207.2
82.5°	128.0	125.7	153.7	153.7	114.1	146.7	244.5	244.5	209.5	195.6	179.3
85°	41.9	48.9	81.5	93.1	83.8	137.4	237.5	225.8	181.6	151.3	144.3
87.5°	4.7	4.7	9.3	18.6	21.0	34.9	67.5	79.2	55.9	46.6	46.6
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)