

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: P695890

Luminaire Tested: **LXF.LXT-PA16-730-U-T2U**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695890
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-11)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-730-U-T2U
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 1340mA LIGHTSQUARE WITH 16 LEDS AND TYPE II U OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7088 lumens
Efficiency: N/A
Efficacy: 98.4 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

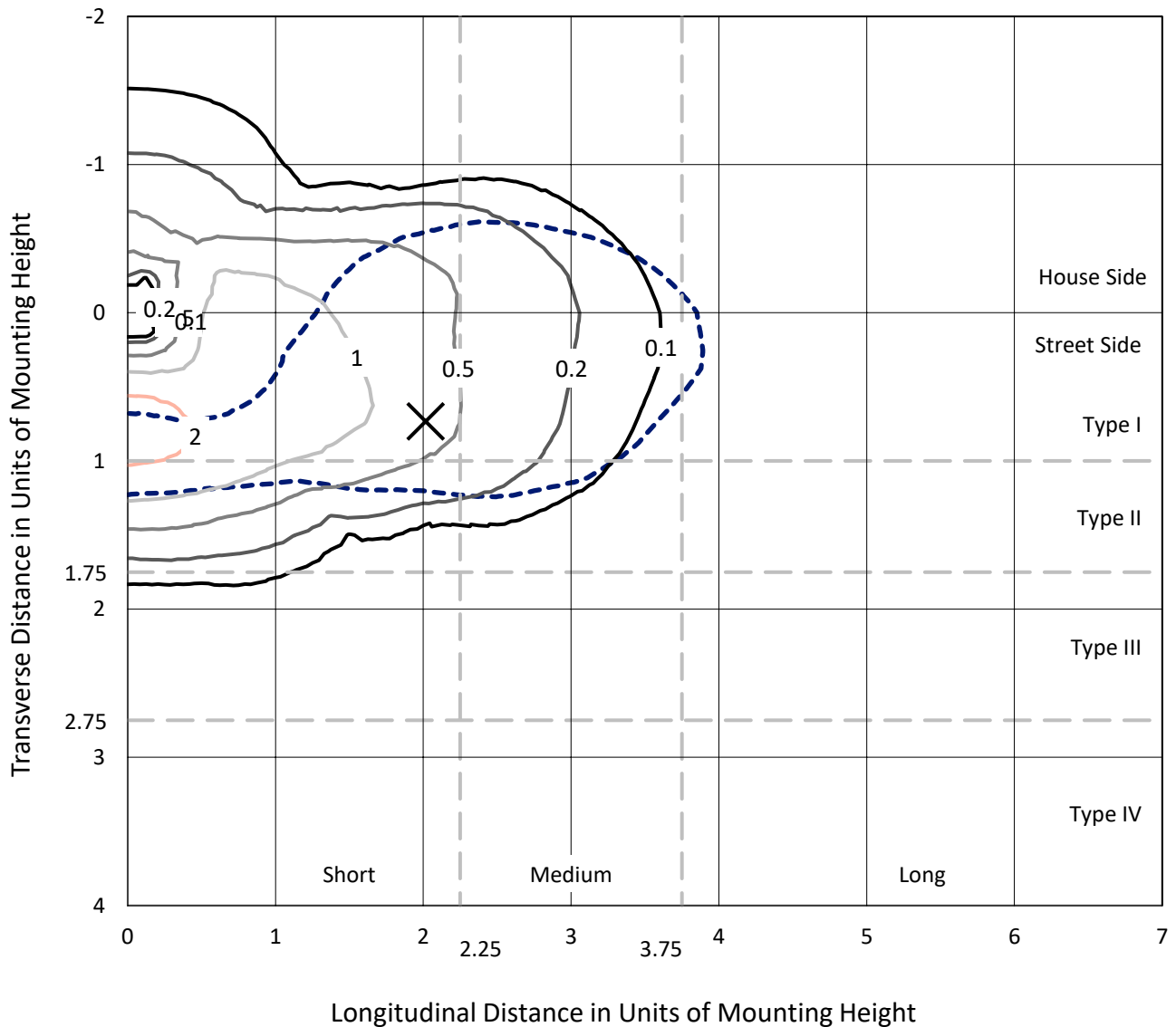
Input Watts (W): 72
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

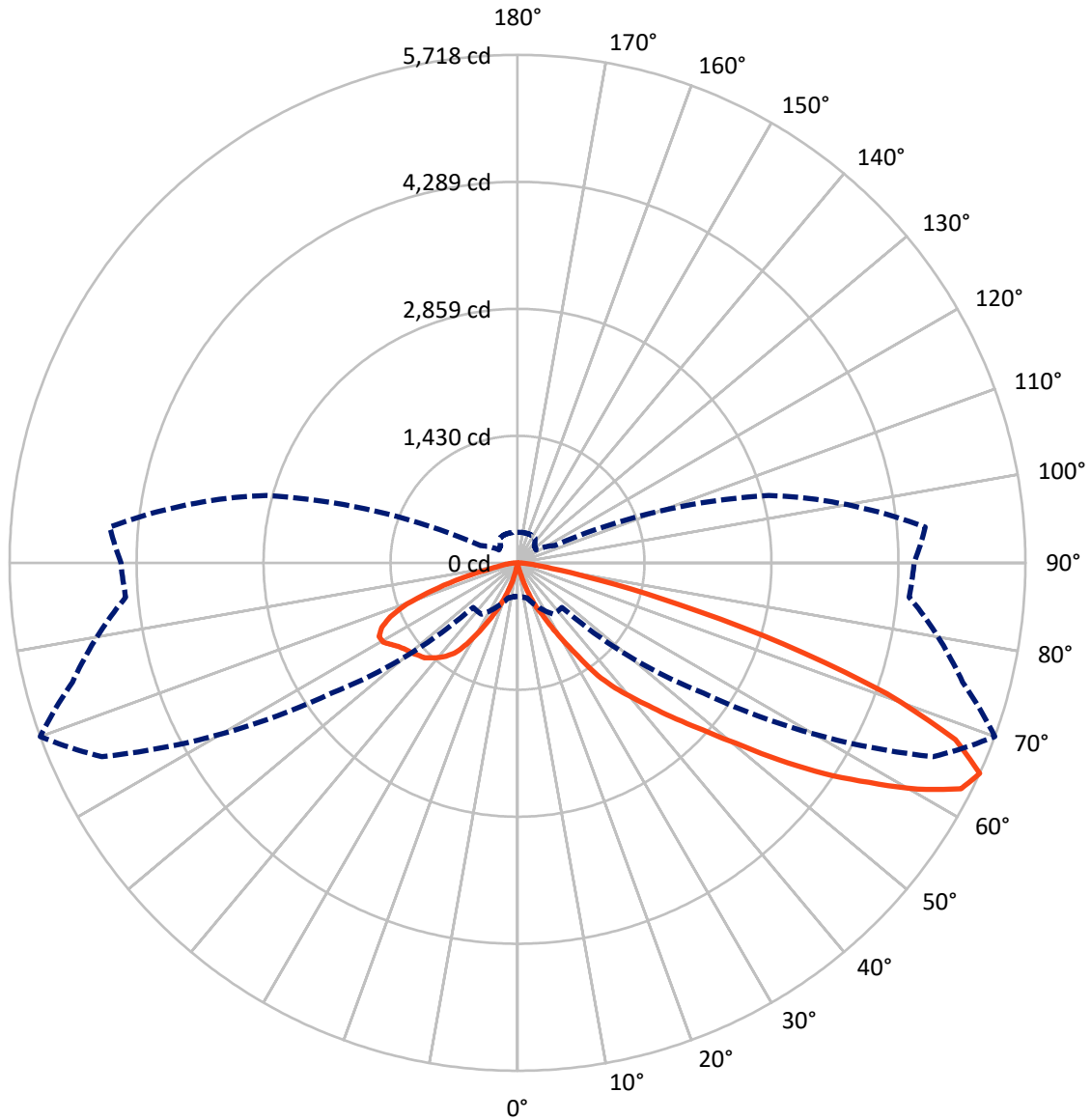
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.7 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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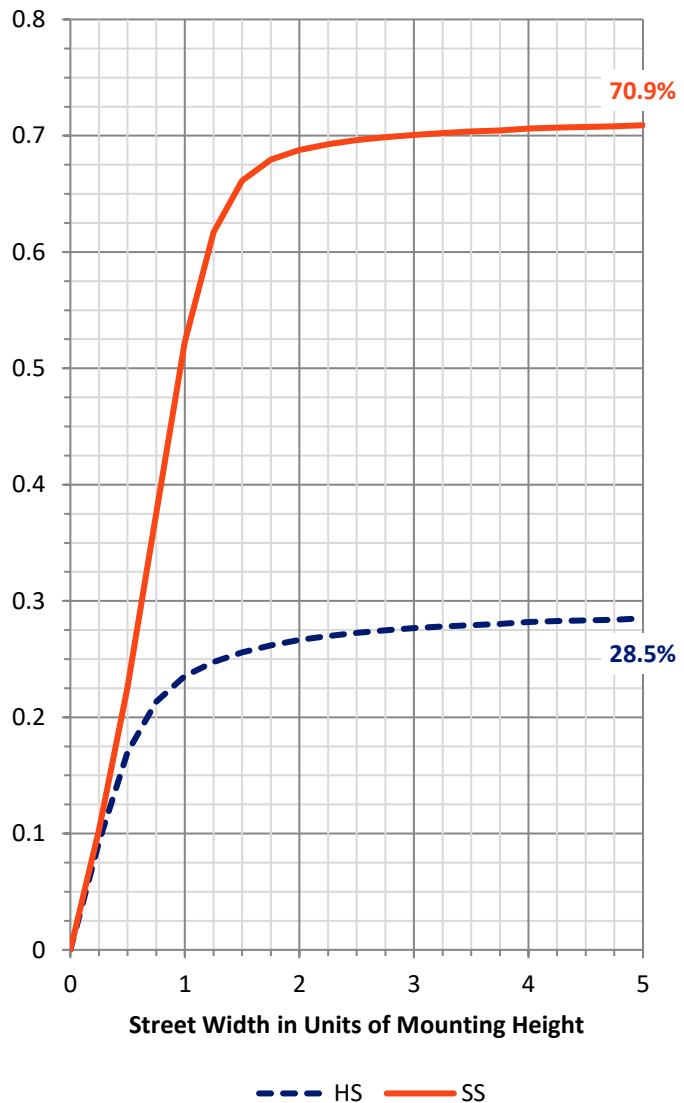
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2047.6	0.0	2047.6
	% Fixture	28.9	0.0	28.9
Street Side	Lumens	5040.4	0.0	5040.4
	% Fixture	71.1	0.0	71.1
Total	Lumens	7088.0	0.0	7088.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.2	0.0
10°-20°	52.0	0.7
20°-30°	326.7	4.6
30°-40°	869.0	12.3
40°-50°	1487.5	21.0
50°-60°	1819.8	25.7
60°-70°	1634.1	23.1
70°-80°	804.9	11.4
80°-90°	93.7	1.3
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°	7088.0	100.0
0°-180°	7088.0	100.0

Coefficient of Utilization



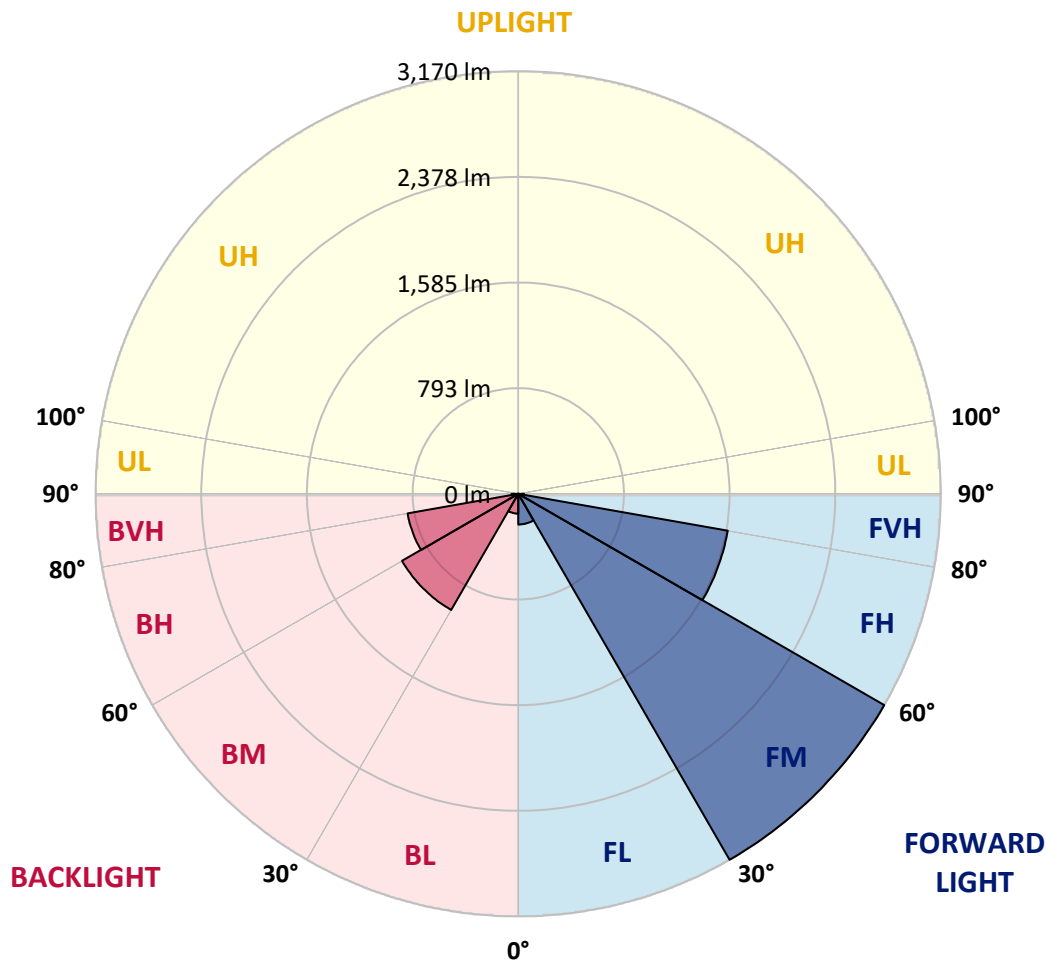
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	230.1	3.2			
FM (30°-60°)	3170.2	44.7			
FH (60°-80°)	1595.9	22.5			G1/1800
FVH (80°-90°)	44.2	0.6			G1/100
BL (0°-30°)	148.8	2.1	B1/500		
BM (30°-60°)	1006.2	14.2	B2/2500		
BH (60°-80°)	843.0	11.9	B2/1000		G2/1000
BVH (80°-90°)	49.5	0.7			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
2.5°	0.0	0.0	0.0	2.4	2.4	2.4	2.4	2.4	2.4	2.4	0.0
5°	0.0	0.0	2.4	2.4	2.4	2.4	2.4	2.4	2.4	0.0	0.0
7.5°	0.0	0.0	2.4	2.4	2.4	2.4	2.4	2.4	2.4	0.0	0.0
10°	16.5	16.5	14.2	9.4	4.7	2.4	2.4	4.7	4.7	4.7	7.1
12.5°	212.4	214.8	207.7	144.0	28.3	9.4	9.4	28.3	73.2	99.1	110.9
15°	243.1	243.1	238.4	233.6	224.2	49.6	89.7	136.9	144.0	205.3	228.9
17.5°	332.8	316.2	280.8	264.3	254.9	271.4	200.6	254.9	262.0	266.7	283.2
20°	632.5	620.7	599.4	498.0	351.6	387.0	368.2	328.0	394.1	410.6	417.7
22.5°	755.2	743.4	722.1	674.9	618.3	448.4	498.0	455.5	549.9	573.5	568.7
25°	1279.1	1272.0	1083.2	807.1	804.7	703.3	656.1	615.9	641.9	722.1	759.9
27.5°	1477.3	1475.0	1416.0	1276.7	936.9	863.7	785.9	837.8	818.9	918.0	948.7
30°	2112.2	1987.1	1765.2	1465.5	1316.9	1052.5	1064.3	1095.0	1017.1	1078.5	1156.4
32.5°	2603.0	2581.8	2444.9	1954.0	1517.5	1298.0	1298.0	1309.8	1255.5	1302.7	1390.0
35°	3049.1	3006.6	2794.2	2324.6	1925.7	1576.4	1505.7	1571.7	1557.6	1557.6	1505.7
37.5°	3332.3	3322.8	3157.6	2676.2	2227.8	1807.7	1751.1	1786.5	1788.8	1795.9	1642.5
40°	3601.3	3577.7	3476.2	2994.8	2617.2	2100.4	1989.4	2046.1	1996.5	2029.6	1817.2
42.5°	3740.5	3709.8	3650.8	3325.2	3046.7	2638.4	2315.1	2279.7	2230.2	2267.9	2027.2
45°	3757.0	3688.6	3705.1	3525.8	3398.3	3105.7	2640.8	2525.2	2506.3	2529.9	2270.3
47.5°	3525.8	3457.3	3573.0	3525.8	3601.3	3443.2	3075.0	2855.5	2815.4	2829.6	2522.8
50°	2992.4	2985.3	3148.2	3315.7	3632.0	3676.8	3613.1	3214.3	3193.0	3183.6	2810.7
52.5°	2470.9	2440.2	2584.1	2836.7	3365.3	3667.4	4052.0	3672.1	3681.5	3573.0	3098.6
55°	1883.2	1918.6	2062.6	2265.6	2787.1	3476.2	4394.2	4269.2	4191.3	3948.2	3384.2
57.5°	1149.3	1262.6	1493.9	1701.5	2227.8	2987.7	4432.0	4790.7	4665.6	4328.2	3676.8
60°	670.2	672.6	854.3	1208.3	1607.1	2140.5	4181.8	5243.8	5175.4	4729.3	3974.2
62.5°	469.6	479.1	531.0	833.1	1005.3	1331.0	3547.0	5439.7	5602.5	5024.3	4271.5
65°	380.0	380.0	408.3	545.1	708.0	708.0	2553.5	5163.6	5718.2	5187.2	4427.3
67.5°	356.4	356.4	370.5	398.8	547.5	467.3	1246.1	4465.0	5319.3	5099.9	4448.5
70°	316.2	316.2	344.6	356.4	427.2	358.7	535.7	3355.9	4413.1	4646.7	4304.6
72.5°	266.7	271.4	295.0	337.5	335.1	283.2	363.4	2031.9	3126.9	3676.8	3955.3
75°	219.5	224.2	240.7	276.1	309.2	214.8	290.3	1003.0	1871.4	2456.7	3171.8
77.5°	172.3	169.9	193.5	224.2	252.5	165.2	212.4	436.6	932.2	1390.0	1897.4
80°	115.6	115.6	139.2	169.9	174.6	155.8	146.3	273.8	389.4	571.1	755.2
82.5°	73.2	75.5	89.7	106.2	120.4	132.2	106.2	167.6	203.0	231.3	217.1
85°	16.5	14.2	23.6	30.7	44.8	47.2	51.9	56.6	70.8	75.5	66.1
87.5°	0.0	0.0	2.4	2.4	2.4	4.7	4.7	9.4	9.4	11.8	11.8
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°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
2.5°	0.0	0.0	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
5°	0.0	0.0	2.4	2.4	2.4	2.4	2.4	2.4	2.4	0.0	0.0
7.5°	0.0	0.0	2.4	2.4	2.4	0.0	0.0	0.0	0.0	0.0	0.0
10°	7.1	7.1	4.7	2.4	2.4	0.0	0.0	0.0	0.0	0.0	0.0
12.5°	115.6	113.3	106.2	33.0	9.4	2.4	0.0	2.4	4.7	7.1	9.4
15°	231.3	228.9	217.1	146.3	122.7	16.5	7.1	33.0	151.0	210.0	217.1
17.5°	283.2	285.6	273.8	269.0	195.9	125.1	132.2	247.8	259.6	264.3	264.3
20°	417.7	415.4	408.3	365.8	273.8	245.4	316.2	271.4	280.8	290.3	295.0
22.5°	566.4	561.7	552.2	441.3	384.7	391.8	344.6	365.8	490.9	498.0	500.3
25°	743.4	726.9	674.9	575.8	554.6	476.7	507.4	472.0	481.4	483.8	481.4
27.5°	922.7	903.9	783.5	724.5	660.8	500.3	521.5	481.4	540.4	601.8	601.8
30°	1111.5	1076.1	936.9	882.6	748.1	601.8	509.8	533.3	545.1	542.8	542.8
32.5°	1321.6	1255.5	1073.8	1076.1	800.0	599.4	526.3	486.2	512.1	601.8	604.1
35°	1432.5	1347.5	1243.7	1201.2	863.7	552.2	467.3	505.0	549.9	554.6	552.2
37.5°	1543.4	1432.5	1314.5	1305.1	830.7	502.7	457.8	479.1	498.0	490.9	490.9
40°	1692.1	1562.3	1449.0	1309.8	776.4	455.5	439.0	450.8	453.1	446.0	446.0
42.5°	1878.5	1727.5	1611.8	1269.7	677.3	424.8	420.1	427.2	431.9	422.4	420.1
45°	2098.0	1921.0	1774.7	1222.5	552.2	408.3	410.6	410.6	417.7	408.3	405.9
47.5°	2348.2	2164.1	1890.3	1161.1	467.3	394.1	403.6	398.8	403.6	391.8	389.4
50°	2629.0	2421.3	2050.8	1076.1	422.4	375.2	398.8	384.7	389.4	382.3	382.3
52.5°	2890.9	2711.6	2206.6	972.3	387.0	361.1	382.3	382.3	387.0	380.0	377.6
55°	3178.9	3027.8	2390.6	868.5	351.6	349.3	380.0	384.7	382.3	375.2	375.2
57.5°	3476.2	3400.7	2574.7	807.1	321.0	328.0	377.6	387.0	380.0	372.9	370.5
60°	3823.1	3868.0	2756.4	757.5	292.6	306.8	370.5	377.6	372.9	365.8	365.8
62.5°	4188.9	4342.3	2898.0	632.5	273.8	287.9	356.4	365.8	358.7	356.4	356.4
65°	4465.0	4609.0	2928.7	460.2	254.9	269.0	342.2	349.3	346.9	344.6	344.6
67.5°	4580.7	4620.8	2784.7	328.0	236.0	252.5	325.7	335.1	328.0	332.8	330.4
70°	4519.3	4314.0	2388.3	271.4	217.1	231.3	304.4	311.5	306.8	318.6	313.9
72.5°	4028.4	3608.4	1781.8	228.9	200.6	210.0	280.8	285.6	283.2	287.9	278.5
75°	3056.1	2562.9	1113.9	203.0	181.7	186.4	250.2	259.6	252.5	250.2	240.7
77.5°	1762.9	1545.8	556.9	184.1	162.8	160.5	219.5	226.6	221.8	207.7	212.4
80°	653.7	540.4	250.2	160.5	141.6	134.5	181.7	188.8	184.1	169.9	169.9
82.5°	188.8	174.6	153.4	132.2	122.7	106.2	146.3	153.4	151.0	144.0	134.5
85°	59.0	61.4	77.9	85.0	89.7	75.5	110.9	110.9	101.5	92.0	75.5
87.5°	7.1	11.8	14.2	23.6	28.3	21.2	28.3	30.7	28.3	18.9	18.9
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)