

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: P695680

Luminaire Tested: **LXF.LXT-PA16-60-740-U-T2U**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695680
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-PA16-60-740-U-T2U
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 1160mA LIGHTSQUARE WITH 16 LEDS AND TYPE II U OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6991 lumens
Efficiency: N/A
Efficacy: 112.8 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

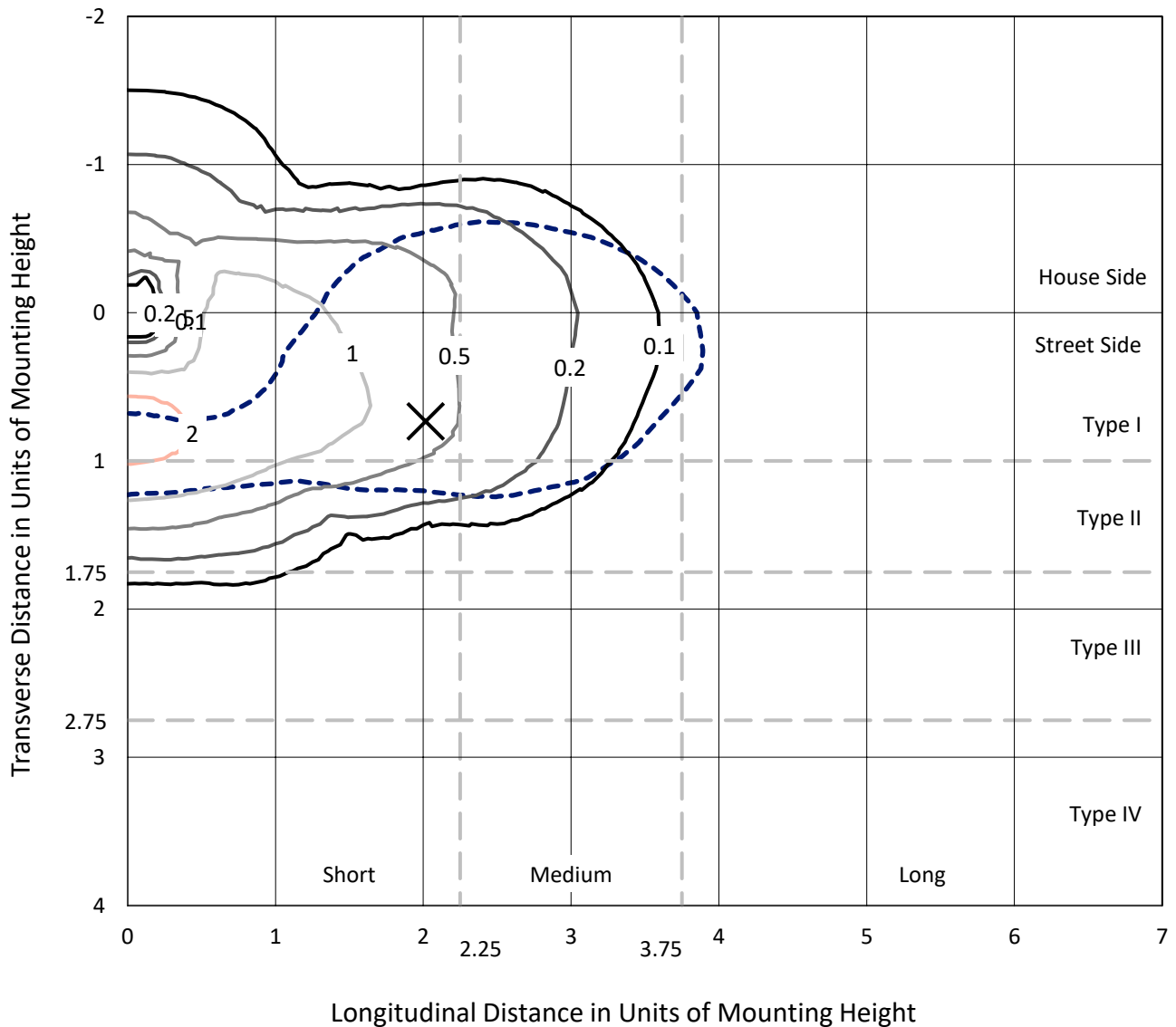
Input Watts (W): 62
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

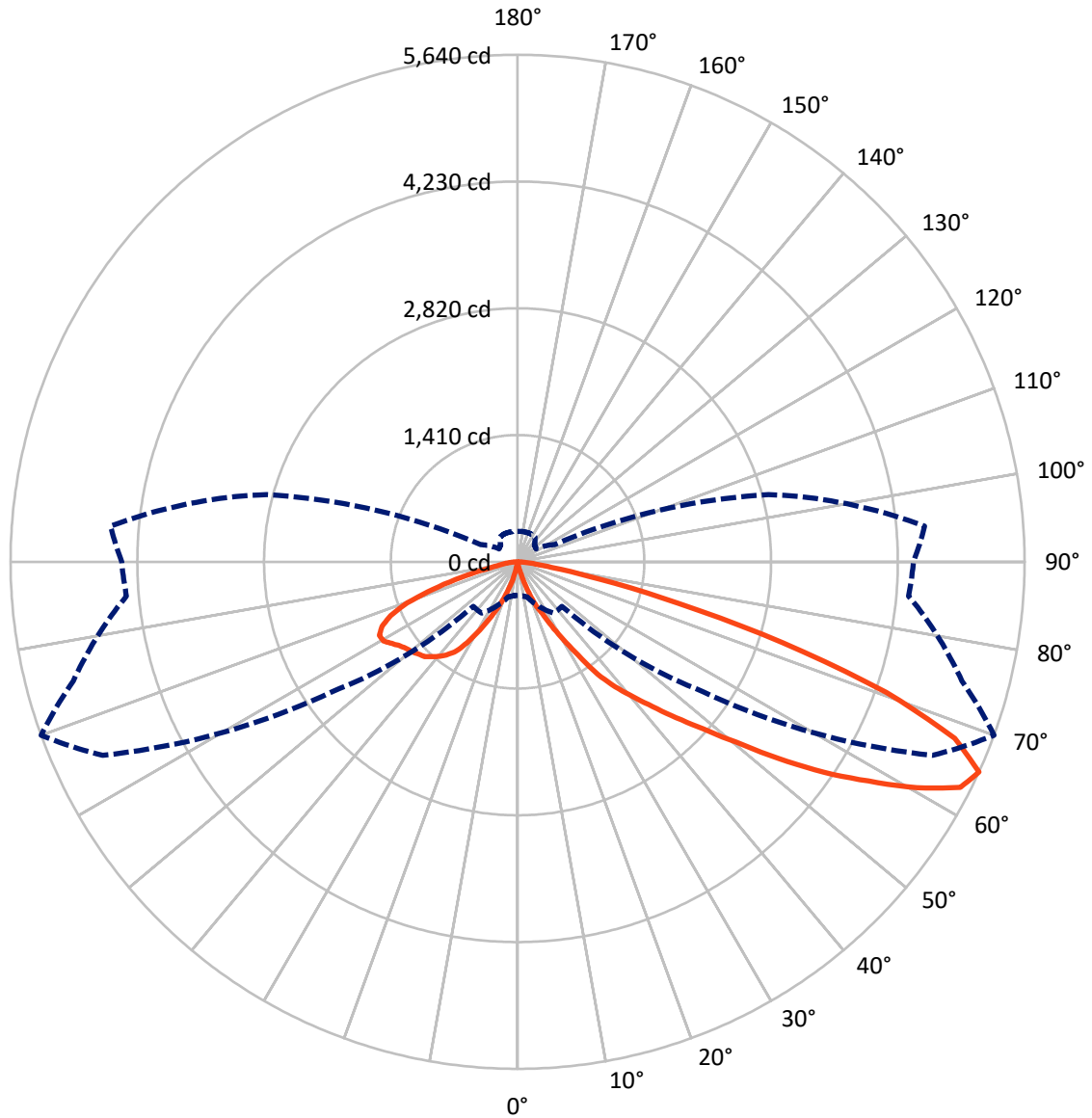
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.6 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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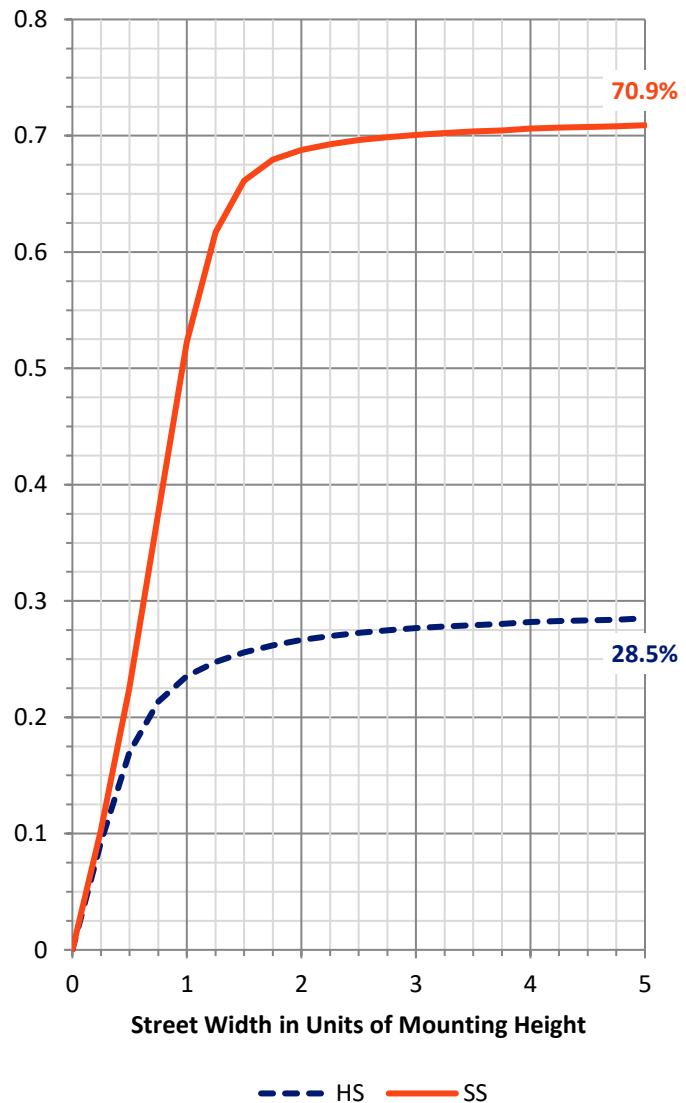
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2019.6	0.0	2019.6
	% Fixture	28.9	0.0	28.9
Street Side	Lumens	4971.4	0.0	4971.4
	% Fixture	71.1	0.0	71.1
Total	Lumens	6991.0	0.0	6991.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.2	0.0
10°-20°	51.3	0.7
20°-30°	322.3	4.6
30°-40°	857.2	12.3
40°-50°	1467.2	21.0
50°-60°	1794.9	25.7
60°-70°	1611.7	23.1
70°-80°	793.9	11.4
80°-90°	92.5	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°	6991.0	100.0
0°-180°	6991.0	100.0

Coefficient of Utilization

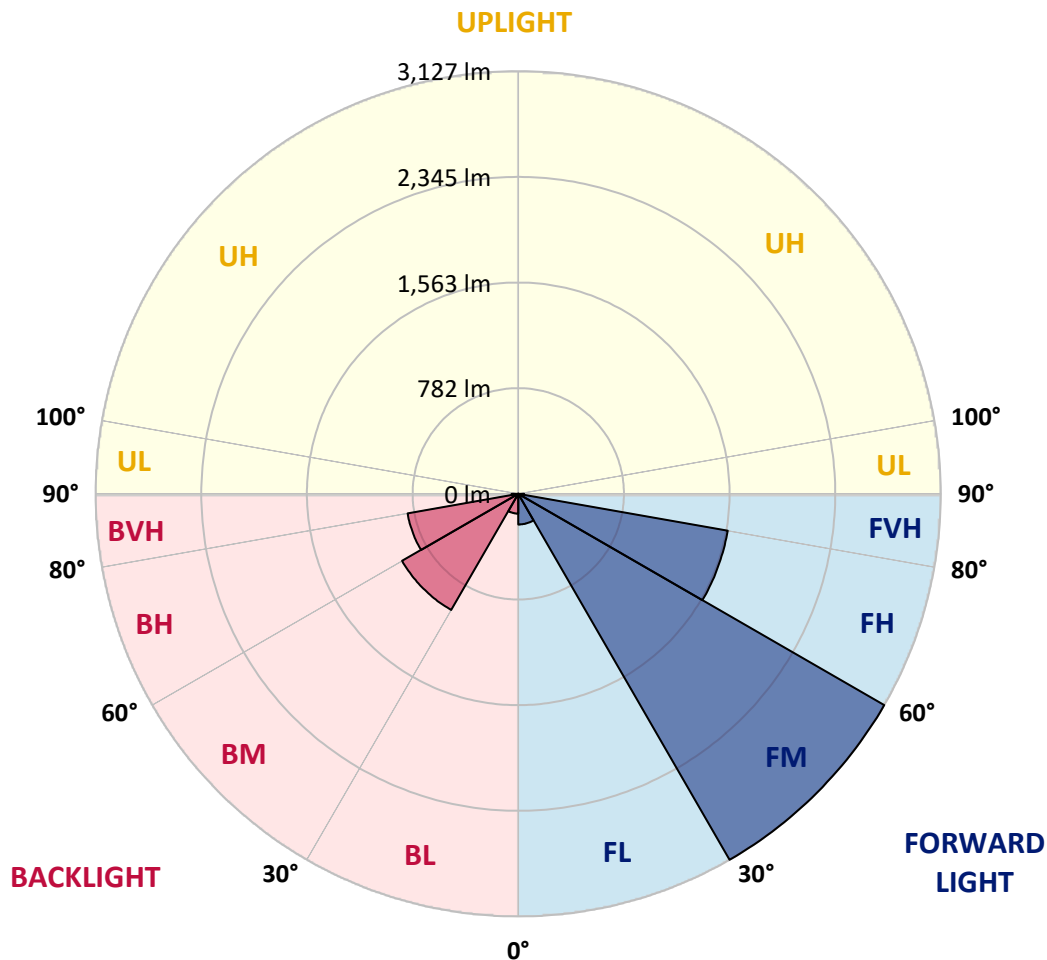


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	226.9	3.2			
FM (30°-60°)	3126.8	44.7			
FH (60°-80°)	1574.1	22.5			G1/1800
FVH (80°-90°)	43.6	0.6			G1/100
BL (0°-30°)	146.8	2.1	B1/500		
BM (30°-60°)	992.4	14.2	B1/1000		
BH (60°-80°)	831.5	11.9	B2/1000		G2/1000
BVH (80°-90°)	48.9	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°	2.3	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	0.0
5°	0.0	0.0	2.3	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0
7.5°	0.0	0.0	2.3	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0
10°	16.3	16.3	14.0	9.3	4.7	2.3	2.3	4.7	4.7	4.7	7.0
12.5°	209.5	211.8	204.8	142.0	27.9	9.3	9.3	27.9	72.2	97.8	109.4
15°	239.7	239.7	235.1	230.4	221.1	48.9	88.5	135.0	142.0	202.5	225.8
17.5°	328.2	311.9	277.0	260.7	251.4	267.7	197.9	251.4	258.4	263.0	279.3
20°	623.8	612.2	591.2	491.1	346.8	381.7	363.1	323.5	388.7	405.0	412.0
22.5°	744.9	733.2	712.3	665.7	609.8	442.3	491.1	449.2	542.3	565.6	561.0
25°	1261.6	1254.6	1068.4	796.1	793.7	693.6	647.1	607.5	633.1	712.3	749.5
27.5°	1457.1	1454.8	1396.6	1259.3	924.1	851.9	775.1	826.3	807.7	905.5	935.7
30°	2083.3	1959.9	1741.1	1445.5	1298.8	1038.1	1049.8	1080.0	1003.2	1063.7	1140.6
32.5°	2567.4	2546.5	2411.5	1927.3	1496.7	1280.2	1280.2	1291.9	1238.3	1284.9	1371.0
35°	3007.3	2965.4	2755.9	2292.7	1899.4	1554.9	1485.0	1550.2	1536.3	1536.3	1485.0
37.5°	3286.7	3277.3	3114.4	2639.6	2197.3	1783.0	1727.1	1762.0	1764.4	1771.3	1620.0
40°	3552.0	3528.7	3428.6	2953.8	2581.4	2071.6	1962.2	2018.1	1969.2	2001.8	1792.3
42.5°	3689.3	3659.1	3600.9	3279.7	3005.0	2602.3	2283.4	2248.5	2199.6	2236.9	1999.5
45°	3705.6	3638.1	3654.4	3477.5	3351.8	3063.2	2604.6	2490.6	2472.0	2495.2	2239.2
47.5°	3477.5	3410.0	3524.1	3477.5	3552.0	3396.1	3032.9	2816.5	2776.9	2790.9	2488.3
50°	2951.5	2944.5	3105.1	3270.4	3582.3	3626.5	3563.6	3170.3	3149.3	3140.0	2772.2
52.5°	2437.1	2406.8	2548.8	2797.8	3319.2	3617.2	3996.6	3621.8	3631.1	3524.1	3056.2
55°	1857.5	1892.4	2034.4	2234.6	2749.0	3428.6	4334.1	4210.7	4133.9	3894.2	3337.9
57.5°	1133.6	1245.3	1473.4	1678.2	2197.3	2946.8	4371.3	4725.1	4601.8	4268.9	3626.5
60°	661.1	663.4	842.6	1191.8	1585.1	2111.2	4124.6	5172.1	5104.6	4664.6	3919.8
62.5°	463.2	472.5	523.7	821.7	991.6	1312.8	3498.5	5365.3	5525.9	4955.6	4213.1
65°	374.8	374.8	402.7	537.7	698.3	698.3	2518.5	5092.9	5639.9	5116.2	4366.7
67.5°	351.5	351.5	365.4	393.4	540.0	460.9	1229.0	4403.9	5246.5	5030.1	4387.6
70°	311.9	311.9	339.8	351.5	421.3	353.8	528.4	3309.9	4352.7	4583.2	4245.6
72.5°	263.0	267.7	291.0	332.9	330.5	279.3	358.5	2004.1	3084.1	3626.5	3901.2
75°	216.5	221.1	237.4	272.3	304.9	211.8	286.3	989.3	1845.8	2423.1	3128.4
77.5°	169.9	167.6	190.9	221.1	249.1	162.9	209.5	430.6	919.4	1371.0	1871.4
80°	114.1	114.1	137.3	167.6	172.2	153.6	144.3	270.0	384.1	563.3	744.9
82.5°	72.2	74.5	88.5	104.7	118.7	130.3	104.7	165.3	200.2	228.1	214.1
85°	16.3	14.0	23.3	30.3	44.2	46.6	51.2	55.9	69.8	74.5	65.2
87.5°	0.0	0.0	2.3	2.3	2.3	4.7	4.7	9.3	9.3	11.6	11.6
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°	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	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
5°	0.0	0.0	2.3	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0
7.5°	0.0	0.0	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0
10°	7.0	7.0	4.7	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0
12.5°	114.1	111.7	104.7	32.6	9.3	2.3	0.0	2.3	4.7	7.0	9.3
15°	228.1	225.8	214.1	144.3	121.0	16.3	7.0	32.6	149.0	207.2	214.1
17.5°	279.3	281.6	270.0	265.4	193.2	123.4	130.3	244.4	256.0	260.7	260.7
20°	412.0	409.7	402.7	360.8	270.0	242.1	311.9	267.7	277.0	286.3	291.0
22.5°	558.6	554.0	544.7	435.3	379.4	386.4	339.8	360.8	484.2	491.1	493.5
25°	733.2	716.9	665.7	567.9	547.0	470.2	500.4	465.5	474.8	477.2	474.8
27.5°	910.1	891.5	772.8	714.6	651.7	493.5	514.4	474.8	533.0	593.6	593.6
30°	1096.3	1061.4	924.1	870.5	737.9	593.6	502.8	526.1	537.7	535.4	535.4
32.5°	1303.5	1238.3	1059.1	1061.4	789.1	591.2	519.1	479.5	505.1	593.6	595.9
35°	1412.9	1329.1	1226.7	1184.8	851.9	544.7	460.9	498.1	542.3	547.0	544.7
37.5°	1522.3	1412.9	1296.5	1287.2	819.3	495.8	451.6	472.5	491.1	484.2	484.2
40°	1668.9	1540.9	1429.2	1291.9	765.8	449.2	432.9	444.6	446.9	439.9	439.9
42.5°	1852.8	1703.8	1589.8	1252.3	668.0	419.0	414.3	421.3	426.0	416.7	414.3
45°	2069.3	1894.7	1750.4	1205.7	544.7	402.7	405.0	405.0	412.0	402.7	400.4
47.5°	2316.0	2134.5	1864.5	1145.2	460.9	388.7	398.0	393.4	398.0	386.4	384.1
50°	2593.0	2388.2	2022.7	1061.4	416.7	370.1	393.4	379.4	384.1	377.1	377.1
52.5°	2851.4	2674.5	2176.4	959.0	381.7	356.1	377.1	377.1	381.7	374.8	372.4
55°	3135.4	2986.4	2357.9	856.6	346.8	344.5	374.8	379.4	377.1	370.1	370.1
57.5°	3428.6	3354.2	2539.5	796.1	316.6	323.5	372.4	381.7	374.8	367.8	365.4
60°	3770.8	3815.0	2718.7	747.2	288.6	302.6	365.4	372.4	367.8	360.8	360.8
62.5°	4131.6	4282.9	2858.4	623.8	270.0	284.0	351.5	360.8	353.8	351.5	351.5
65°	4403.9	4545.9	2888.6	453.9	251.4	265.4	337.5	344.5	342.2	339.8	339.8
67.5°	4518.0	4557.6	2746.6	323.5	232.8	249.1	321.2	330.5	323.5	328.2	325.9
70°	4457.5	4255.0	2355.6	267.7	214.1	228.1	300.3	307.3	302.6	314.2	309.6
72.5°	3973.3	3559.0	1757.4	225.8	197.9	207.2	277.0	281.6	279.3	284.0	274.7
75°	3014.3	2527.8	1098.7	200.2	179.2	183.9	246.7	256.0	249.1	246.7	237.4
77.5°	1738.8	1524.6	549.3	181.6	160.6	158.3	216.5	223.5	218.8	204.8	209.5
80°	644.8	533.0	246.7	158.3	139.7	132.7	179.2	186.2	181.6	167.6	167.6
82.5°	186.2	172.2	151.3	130.3	121.0	104.7	144.3	151.3	149.0	142.0	132.7
85°	58.2	60.5	76.8	83.8	88.5	74.5	109.4	109.4	100.1	90.8	74.5
87.5°	7.0	11.6	14.0	23.3	27.9	20.9	27.9	30.3	27.9	18.6	18.6
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)