

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: P413770

Luminaire Tested: **LXF.LXT-PA1-100-727-U-T4W**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P413770
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-3)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-100-727-U-T4W
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8419 lumens
Efficiency: N/A
Efficacy: 87.7 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type IV - Medium - Non-Cutoff
BUG Rating: B2 - U0 - G3

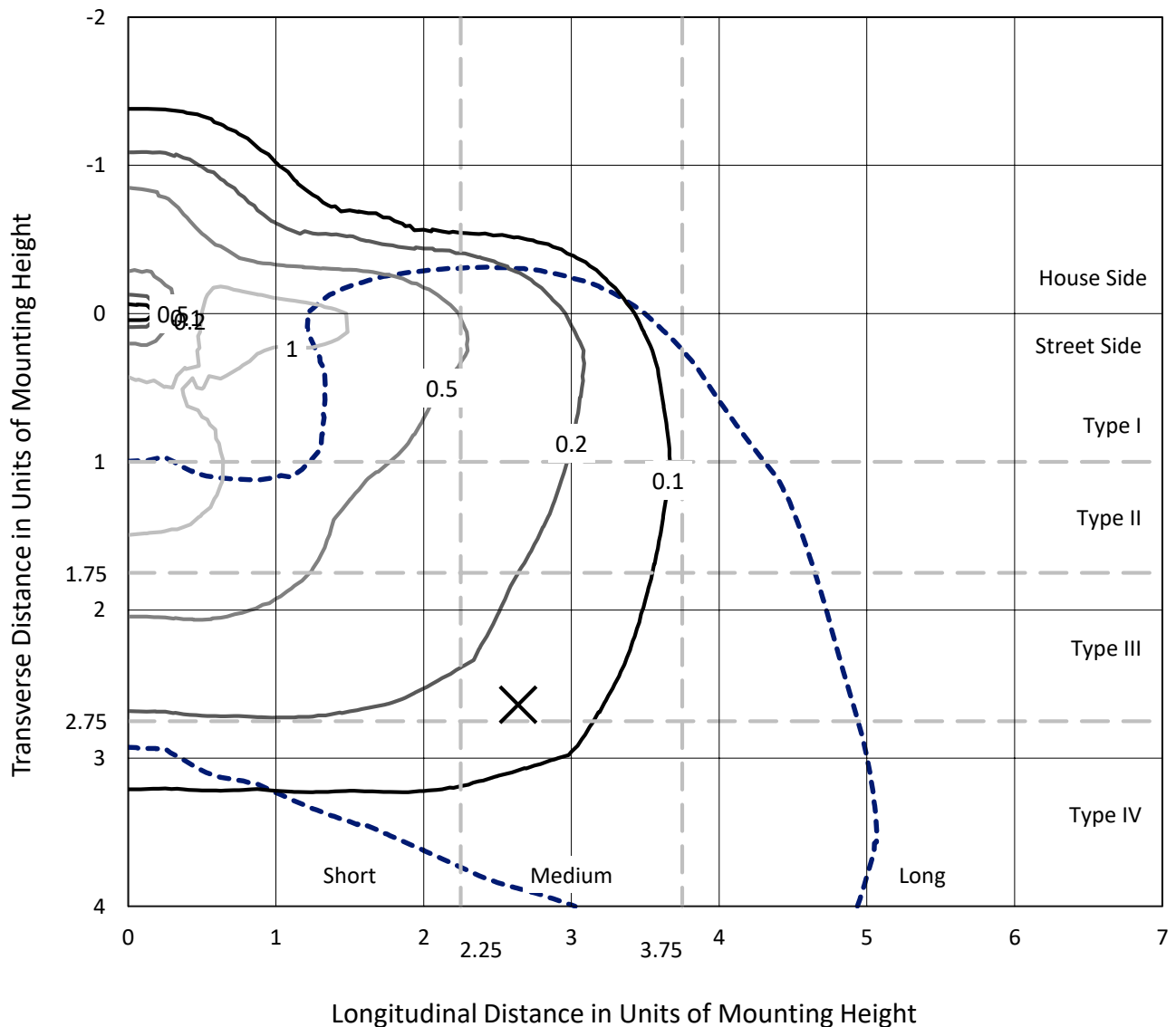
Input Watts (W): 96
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

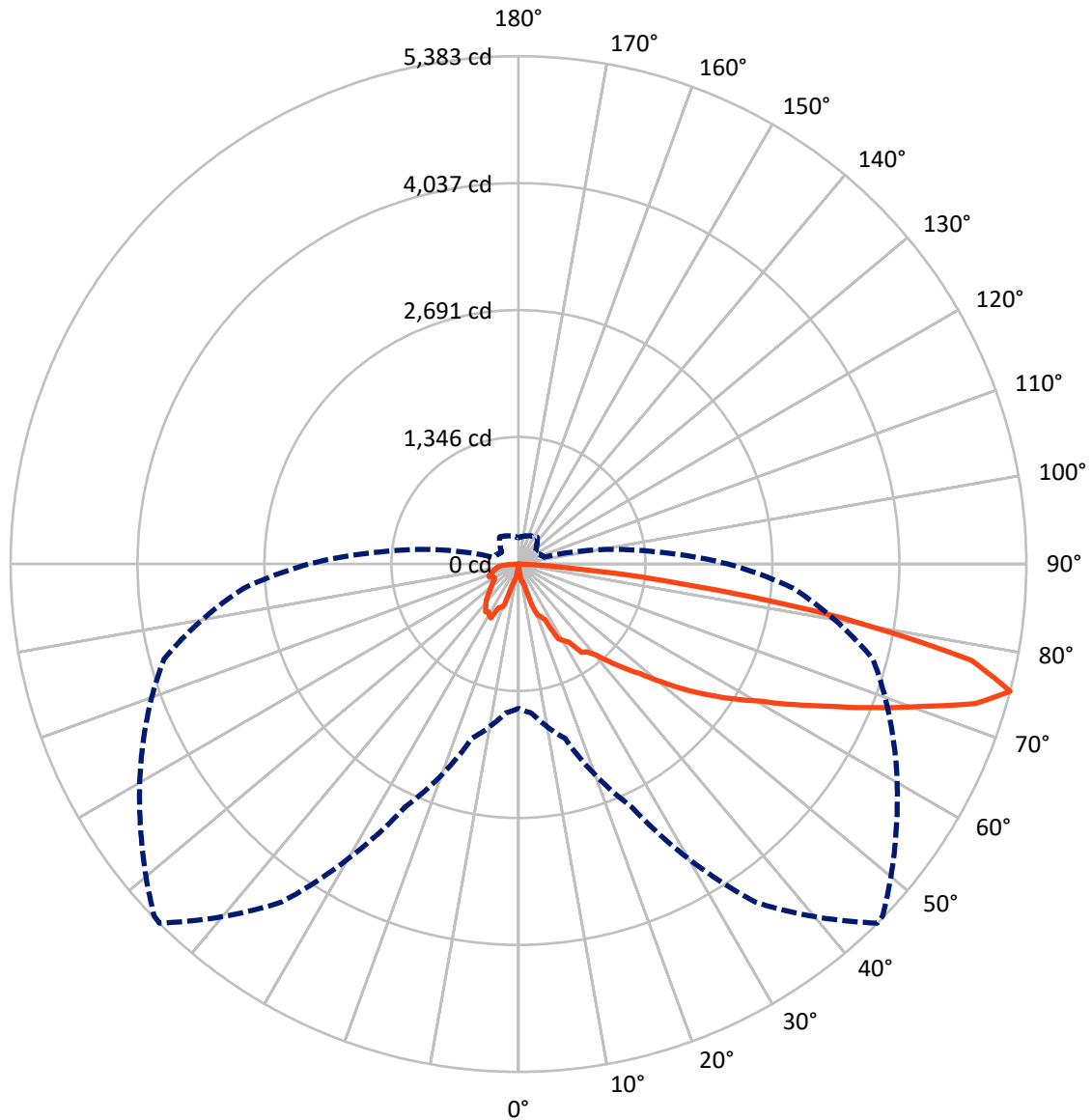
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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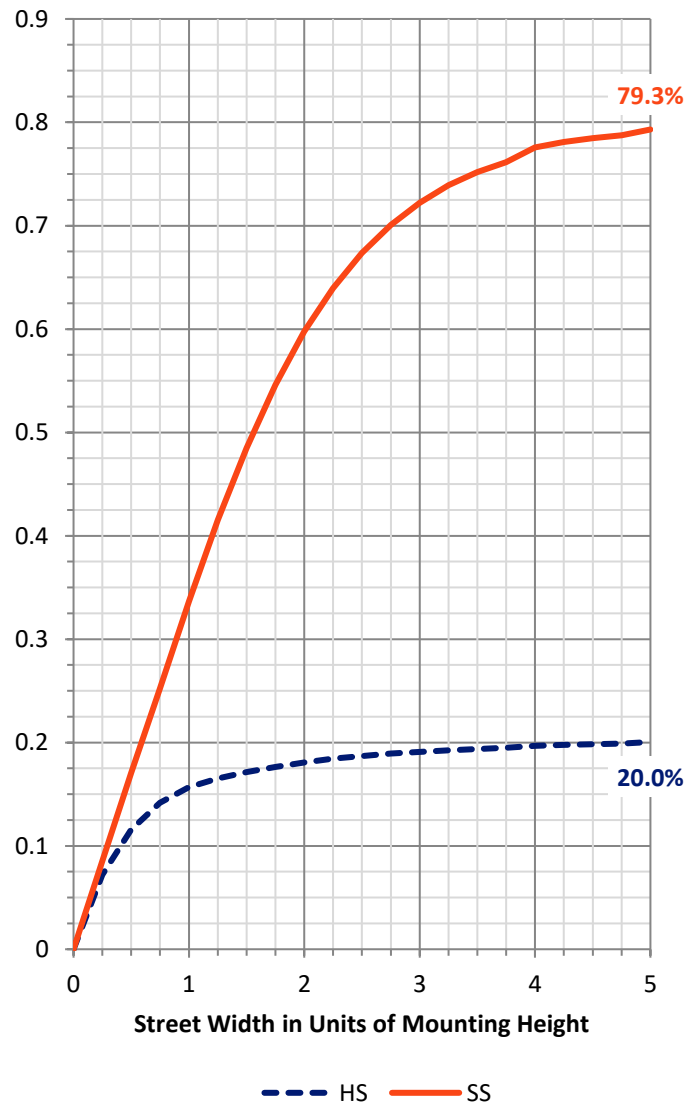
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1726.7	0.0	1726.7
	% Fixture	20.5	0.0	20.5
Street Side	Lumens	6692.2	0.0	6692.2
	% Fixture	79.5	0.0	79.5
Total	Lumens	8419.0	0.0	8419.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.5	0.1
10°-20°	86.9	1.0
20°-30°	323.5	3.8
30°-40°	666.5	7.9
40°-50°	1056.8	12.6
50°-60°	1670.6	19.8
60°-70°	2347.1	27.9
70°-80°	1953.9	23.2
80°-90°	308.1	3.7
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°	8419.0	100.0
0°-180°	8419.0	100.0

Coefficient of Utilization



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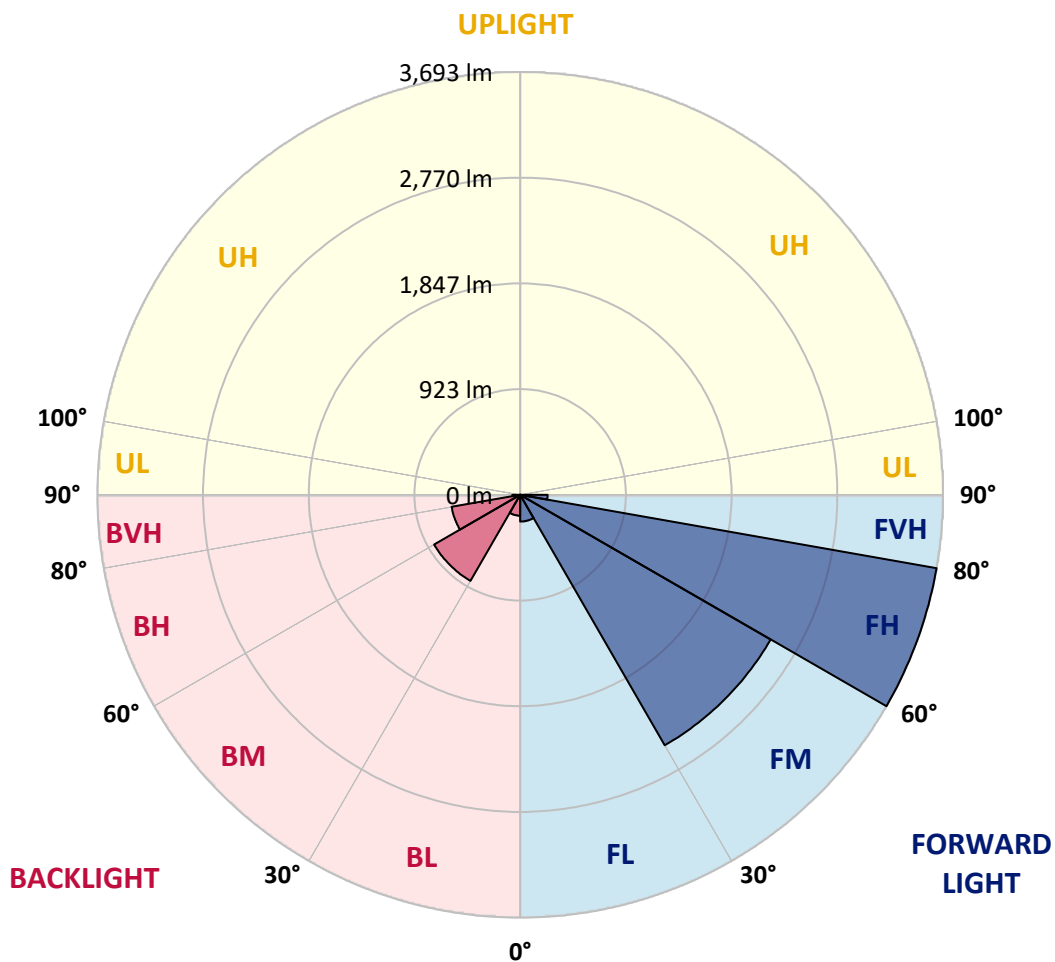
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	233.8	2.8			
FM	(30°-60°)	2526.1	30.0			
FH	(60°-80°)	3693.1	43.9			G2/5000
FVH	(80°-90°)	239.2	2.8			G3/500
BL	(0°-30°)	182.2	2.2	B1/500		
BM	(30°-60°)	867.8	10.3	B1/1000		
BH	(60°-80°)	607.9	7.2	B2/1000		G2/1000
BVH	(80°-90°)	68.9	0.8			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
2.5°	4.6	4.6	4.6	4.6	4.6	3.7	3.7	2.7	3.7	3.7	3.7
5°	64.8	61.2	48.4	42.9	35.6	14.6	11.9	5.5	4.6	4.6	3.7
7.5°	192.7	190.8	188.1	181.7	173.5	108.7	94.0	33.8	6.4	4.6	3.7
10°	212.7	209.1	204.5	198.1	190.8	181.7	180.8	166.2	30.1	10.0	8.2
12.5°	418.2	410.9	343.3	248.4	205.4	194.5	194.5	188.1	136.0	47.5	111.4
15°	449.2	445.6	432.8	416.4	391.7	225.5	221.0	294.0	362.5	253.8	269.4
17.5°	504.9	496.7	457.4	437.4	419.1	454.7	452.0	420.9	397.2	281.2	302.2
20°	704.0	699.4	683.0	489.4	451.1	575.2	577.1	477.5	431.9	497.6	494.0
22.5°	720.4	719.5	707.6	678.4	714.9	603.5	604.5	634.6	630.9	660.1	599.0
25°	942.3	939.5	762.4	699.4	780.7	650.1	679.3	787.1	703.1	715.8	747.8
27.5°	966.9	965.1	955.1	911.2	808.1	895.7	895.7	813.5	895.7	937.7	943.2
30°	1099.3	1064.6	994.3	973.3	941.4	940.5	943.2	942.3	1036.3	981.5	1036.3
32.5°	1292.9	1285.6	1260.0	1055.5	1046.4	986.1	1017.2	1088.4	1082.0	1248.2	1319.4
35°	1572.3	1472.8	1382.4	1218.0	1086.5	1148.6	1153.2	1128.6	1260.0	1313.0	1413.4
37.5°	1962.2	1934.8	1807.0	1371.4	1210.7	1180.6	1183.3	1263.7	1339.5	1397.9	1510.2
40°	2246.1	2231.5	2143.0	1679.1	1327.6	1267.3	1273.7	1325.8	1396.1	1500.2	1617.0
42.5°	2518.2	2518.2	2466.2	1942.1	1578.7	1415.3	1410.7	1421.6	1471.9	1581.4	1775.0
45°	2695.4	2685.3	2729.2	2189.5	1765.9	1574.1	1556.8	1554.0	1572.3	1702.0	1986.8
47.5°	2873.4	2846.0	2888.0	2439.7	2010.6	1738.5	1740.3	1706.5	1731.2	1930.2	2276.3
50°	3061.5	3067.0	3061.5	2650.6	2250.7	1962.2	1946.7	1903.7	1953.1	2197.8	2600.4
52.5°	3330.0	3310.8	3256.9	2919.1	2557.5	2210.5	2185.9	2123.8	2239.8	2512.8	3005.8
55°	3525.4	3507.1	3492.5	3206.7	2793.1	2450.7	2436.1	2367.6	2584.9	2830.5	3424.0
57.5°	3738.1	3716.2	3758.2	3599.3	3162.9	2701.8	2682.6	2640.6	2939.2	3193.0	3849.5
60°	3881.4	3882.4	3997.4	3882.4	3471.5	2952.9	2934.6	2965.6	3263.3	3525.4	4308.8
62.5°	3881.4	3911.6	4164.5	4191.9	3802.0	3280.6	3248.7	3266.0	3615.7	3874.1	4685.9
65°	3513.5	3550.9	4140.8	4281.4	4133.5	3634.9	3619.4	3608.4	3949.0	4149.9	4981.7
67.5°	3138.2	3184.8	3781.0	4285.9	4404.6	4065.0	4008.4	3916.1	4236.6	4355.3	5140.6
70°	2878.0	2916.3	3390.2	4138.9	4579.9	4516.0	4478.6	4235.7	4429.3	4485.9	4961.6
72.5°	2455.2	2458.9	2880.7	3828.5	4697.7	5061.1	4973.5	4590.0	4537.9	4401.0	4207.4
75°	1530.3	1586.0	1914.7	2841.5	4372.7	5382.5	5366.1	4887.6	4382.7	3888.8	2917.2
77.5°	569.8	602.6	800.8	1459.1	3129.1	4909.6	4924.2	4564.4	3707.1	2817.7	1566.8
80°	185.4	199.0	264.8	470.2	1389.7	3494.3	3608.4	3237.7	2273.5	1431.7	660.1
82.5°	103.2	99.5	153.4	243.8	593.5	1810.6	1885.5	1556.8	1071.9	599.0	246.5
85°	47.5	49.3	73.0	132.4	316.8	504.9	545.1	532.3	406.3	246.5	90.4
87.5°	10.0	11.9	16.4	31.0	49.3	42.9	31.0	54.8	79.4	58.4	15.5
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°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
2.5°	3.7	3.7	2.7	2.7	1.8	1.8	0.9	0.9	1.8	1.8	1.8
5°	3.7	3.7	2.7	2.7	2.7	2.7	3.7	6.4	7.3	8.2	7.3
7.5°	3.7	3.7	3.7	3.7	4.6	9.1	42.9	131.5	139.7	142.4	146.1
10°	8.2	7.3	7.3	8.2	28.3	137.9	166.2	175.3	179.9	182.6	181.7
12.5°	126.9	126.0	46.6	28.3	132.4	174.4	179.0	184.4	193.6	202.7	199.0
15°	268.4	267.5	246.5	255.7	257.5	189.9	193.6	316.8	337.8	351.5	356.1
17.5°	292.2	294.9	286.7	353.4	361.6	287.6	322.3	353.4	360.7	365.2	366.1
20°	542.4	487.6	417.3	395.4	385.3	474.8	359.7	363.4	469.3	503.1	506.8
22.5°	596.2	591.7	553.3	569.8	481.2	494.9	465.7	491.2	538.7	548.8	548.8
25°	769.7	761.5	631.8	593.5	610.8	508.6	588.0	535.1	552.4	570.7	572.5
27.5°	945.9	935.9	843.7	667.5	605.4	641.9	597.1	645.5	698.5	724.1	725.0
30°	1028.1	1014.4	880.2	752.4	630.0	628.2	627.3	714.0	709.5	725.9	730.5
32.5°	1365.9	1344.0	1124.9	739.6	653.8	597.1	665.6	694.8	798.9	850.1	855.5
35°	1448.1	1420.7	1130.4	818.1	617.2	615.4	617.2	713.1	769.7	806.2	814.5
37.5°	1542.2	1504.7	1117.6	767.0	631.8	573.4	587.1	643.7	767.0	849.2	855.5
40°	1659.0	1601.5	1113.9	715.8	588.9	542.4	539.6	615.4	670.2	720.4	725.0
42.5°	1820.7	1728.4	1108.5	662.9	538.7	504.9	509.5	542.4	586.2	581.6	588.9
45°	2035.2	1886.4	1099.3	616.3	487.6	458.4	455.6	479.4	499.4	470.2	462.0
47.5°	2303.7	2081.8	1113.9	571.6	440.1	412.7	413.6	423.7	427.3	395.4	388.1
50°	2608.6	2302.8	1129.5	522.3	401.7	380.7	376.2	379.8	374.4	343.3	340.6
52.5°	2972.0	2562.1	1137.7	475.7	370.7	354.3	348.8	346.1	337.8	316.8	314.1
55°	3393.0	2873.4	1155.0	438.3	345.1	329.6	326.9	323.2	320.5	308.6	306.8
57.5°	3823.9	3216.7	1145.0	399.9	320.5	306.8	312.3	318.7	326.0	321.4	320.5
60°	4219.3	3490.7	1020.8	366.1	296.7	293.1	316.8	347.0	352.4	357.0	356.1
62.5°	4515.1	3628.5	809.9	336.9	280.3	294.0	351.5	393.5	388.1	376.2	373.4
65°	4619.2	3590.2	623.6	315.0	272.1	318.7	388.1	410.0	378.9	357.0	352.4
67.5°	4549.8	3401.2	483.0	296.7	267.5	339.7	400.8	394.4	358.8	342.4	336.0
70°	4194.6	3007.6	383.5	281.2	263.0	326.9	394.4	376.2	342.4	327.8	317.7
72.5°	3432.2	2378.5	328.7	263.9	243.8	300.4	374.4	351.5	327.8	308.6	299.5
75°	2219.7	1462.7	285.8	243.8	218.2	272.1	348.8	327.8	307.7	288.5	279.4
77.5°	1068.3	664.7	250.2	219.1	194.5	251.1	327.8	303.1	283.1	263.9	252.9
80°	450.1	314.1	213.7	194.5	177.1	235.6	305.0	276.7	253.8	240.1	228.3
82.5°	219.1	173.5	162.5	158.0	154.3	214.6	280.3	245.6	221.9	209.1	182.6
85°	74.0	74.9	100.4	97.7	108.7	171.7	229.2	186.3	166.2	144.3	135.1
87.5°	7.3	10.0	13.7	17.3	35.6	47.5	78.5	63.9	50.2	19.2	12.8
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)