

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: P417175

Luminaire Tested: **LXF.LXT-PA1-90-740-U-T2R**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P417175
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-1)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-90-740-U-T2R
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9827 lumens
Efficiency: N/A
Efficacy: 104.5 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type II - Medium - Non-Cutoff
BUG Rating: B1 - U0 - G2

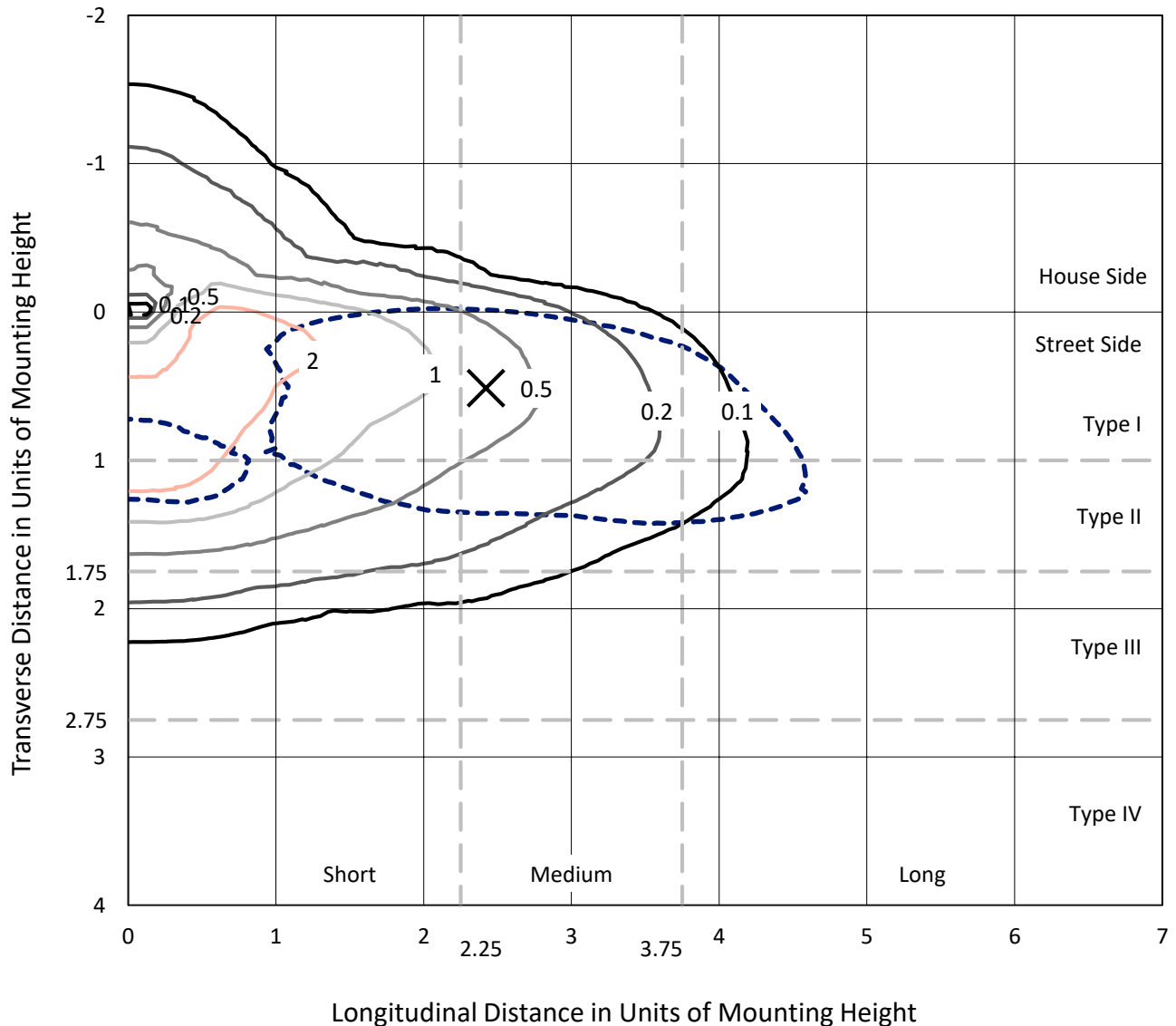
Input Watts (W): 94
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

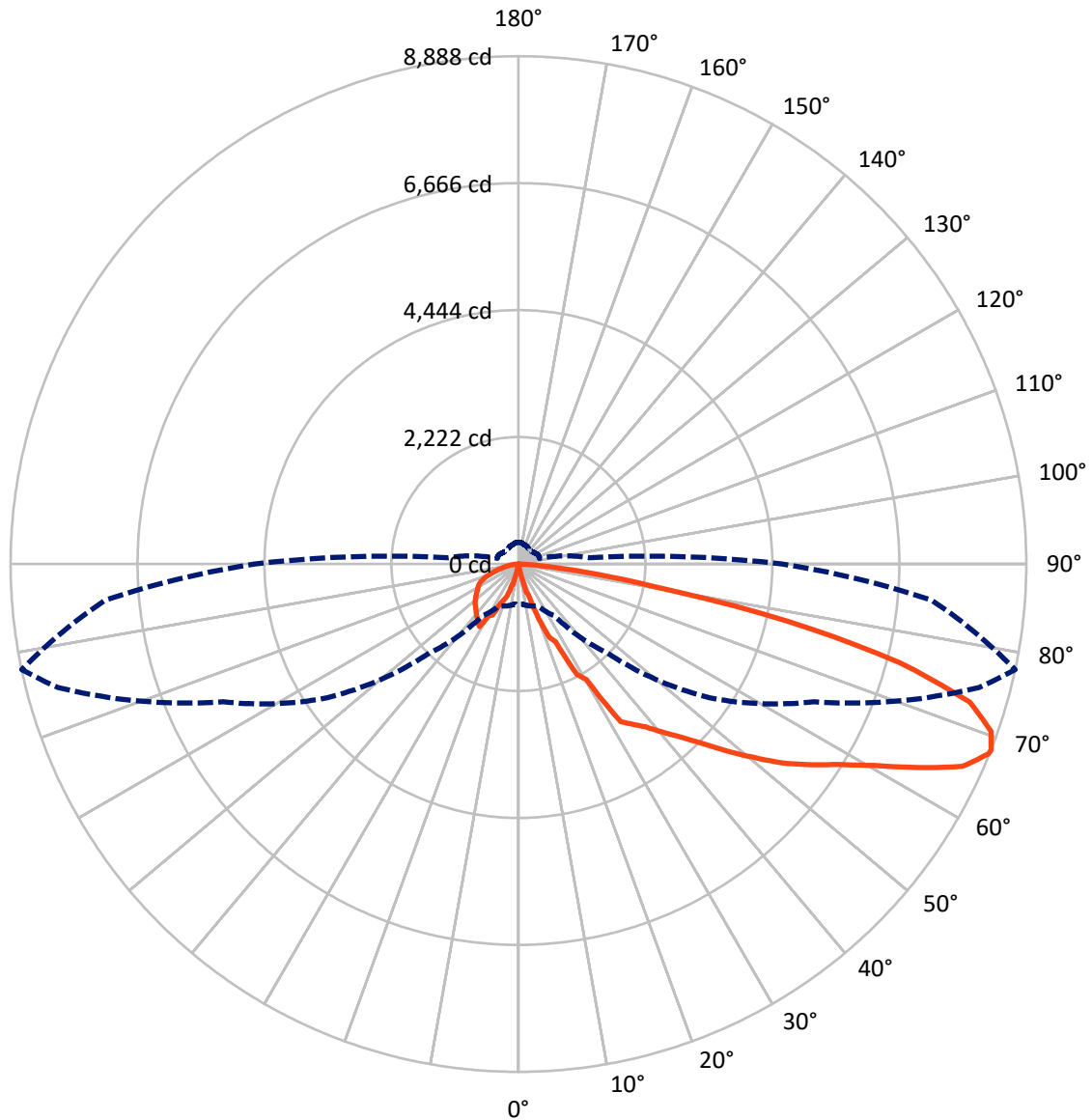
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.9 fc
 Type II - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral - - - Horizontal Cone Through 68-Deg Vertical

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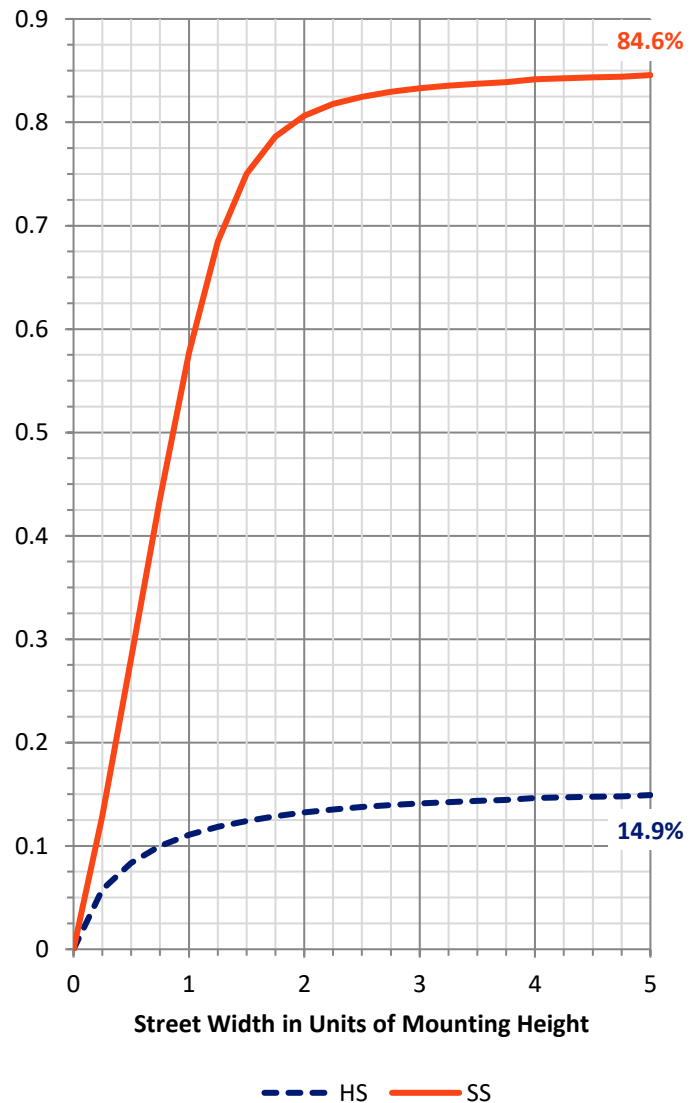
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1492.0	0.0	1492.0
	% Fixture	15.2	0.0	15.2
Street Side	Lumens	8335.0	0.0	8335.0
	% Fixture	84.8	0.0	84.8
Total	Lumens	9827.0	0.0	9827.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.8	0.1
10°-20°	142.4	1.4
20°-30°	542.3	5.5
30°-40°	1266.1	12.9
40°-50°	1976.6	20.1
50°-60°	2269.0	23.1
60°-70°	2108.3	21.5
70°-80°	1302.7	13.3
80°-90°	209.8	2.1
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°	9827.0	100.0
0°-180°	9827.0	100.0



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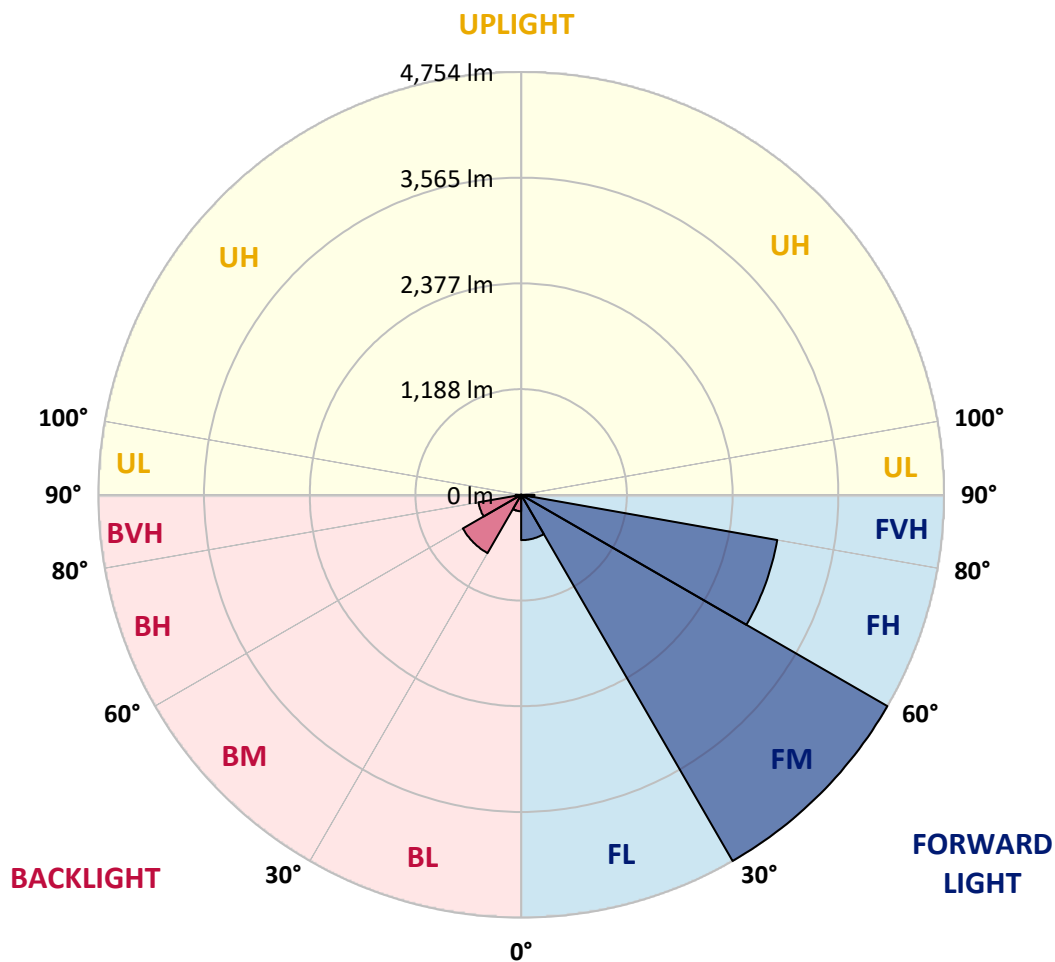
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	509.6	5.2			
FM (30°-60°)	4753.7	48.4			
FH (60°-80°)	2923.4	29.7			G2/5000
FVH (80°-90°)	148.4	1.5			G2/225
BL (0°-30°)	184.9	1.9	B1/500		
BM (30°-60°)	758.0	7.7	B1/1000		
BH (60°-80°)	487.7	5.0	B1/500		G1/500
BVH (80°-90°)	61.4	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 II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
2.5°	7.5	7.5	8.6	9.7	11.9	10.8	7.5	5.4	4.3	4.3	4.3
5°	348.2	320.2	179.0	92.7	32.3	19.4	9.7	7.5	5.4	5.4	4.3
7.5°	393.5	391.4	388.1	384.9	379.5	359.0	37.7	10.8	6.5	6.5	4.3
10°	424.8	421.6	419.4	417.2	409.7	398.9	380.6	33.4	11.9	10.8	9.7
12.5°	824.8	822.6	819.4	524.0	444.2	432.3	416.2	297.6	34.5	51.8	156.3
15°	822.6	819.4	829.1	846.3	860.4	473.3	477.6	835.6	517.5	497.0	529.4
17.5°	858.2	853.9	843.1	855.0	880.8	989.7	935.8	904.6	609.1	581.1	564.9
20°	1258.2	1258.2	1271.1	1260.3	914.3	1264.7	1197.8	971.4	1100.8	1035.0	962.8
22.5°	1331.5	1326.1	1328.3	1349.8	1587.0	1311.0	1321.8	1498.6	1529.9	1397.3	1197.8
25°	1893.2	1892.1	1817.7	1426.4	1673.3	1580.5	1826.4	1603.2	1659.3	1502.9	1469.5
27.5°	2130.4	2132.6	2072.2	2018.3	1768.1	2049.5	1938.5	2111.0	2356.8	2189.7	1882.4
30°	2866.8	2838.7	2364.4	2311.5	2163.8	2160.6	2347.1	2492.6	2423.6	2344.9	2102.4
32.5°	3406.9	3378.9	3274.3	2908.8	2572.4	2406.4	2696.4	2608.0	3162.2	3291.5	2850.6
35°	4242.5	4232.8	3677.5	3300.2	3020.9	2909.9	2833.3	3177.3	3423.1	3442.5	3036.0
37.5°	4884.0	4852.7	4527.1	3861.9	3400.4	3143.8	3326.0	3331.4	3708.8	3617.1	3326.0
40°	5177.2	5157.8	4907.7	4283.4	3749.8	3459.7	3533.1	3564.3	4021.4	3863.0	3537.4
42.5°	5400.4	5376.7	5218.2	4536.8	4057.0	3779.9	3746.5	3774.6	4324.4	4131.4	3763.8
45°	5515.7	5501.7	5427.3	4716.8	4271.6	3983.7	3975.1	3960.0	4530.3	4462.4	4009.6
47.5°	5451.1	5436.0	5469.4	4961.6	4405.3	4150.8	4187.5	4160.5	4766.4	4877.5	4277.0
50°	5092.0	5106.1	5239.7	4971.3	4490.4	4286.7	4411.7	4344.9	5087.7	5315.2	4601.5
52.5°	4052.7	4109.9	4675.9	4755.7	4499.1	4350.3	4613.3	4626.3	5486.6	5783.1	5028.4
55°	3024.2	3105.0	3606.4	4229.5	4326.6	4352.4	4742.7	4884.0	5884.5	6199.3	5387.4
57.5°	2380.5	2430.1	2749.2	3374.6	3910.4	4275.9	4875.3	5093.1	6254.3	6615.4	5740.0
60°	1902.9	1872.7	2080.8	2555.2	3259.2	4061.3	4933.5	5365.9	6714.6	7152.4	6155.1
62.5°	1375.7	1377.9	1536.3	1807.0	2580.0	3637.6	4888.3	5630.0	7301.1	7846.7	6708.2
65°	975.7	985.4	1093.2	1238.8	1865.2	3055.4	4664.0	5810.1	7963.1	8541.0	7157.7
67.5°	742.8	749.3	800.0	867.9	1205.4	2324.5	4203.7	5773.4	8326.4	8869.8	7288.2
68°	712.6	701.9	759.0	808.6	1109.4	2203.7	4077.5	5700.1	8343.7	8888.2	7256.9
70°	600.5	600.5	626.4	638.3	786.0	1629.1	3459.7	5257.0	8282.2	8774.9	7019.7
72.5°	501.3	498.1	513.2	503.5	555.2	1066.3	2513.1	4533.6	7843.4	8258.5	6313.6
75°	417.2	417.2	419.4	411.8	425.9	714.8	1633.4	3551.4	6929.2	6895.8	5138.4
77.5°	355.8	347.2	345.0	334.2	346.1	519.7	1001.6	2527.2	5002.5	4822.5	3262.4
80°	282.5	281.4	283.5	277.1	286.8	378.4	610.2	1477.0	2724.4	2397.8	1521.2
82.5°	174.7	191.9	211.3	211.3	241.5	267.4	369.8	790.3	1320.7	1161.2	645.8
85°	57.1	70.1	124.0	128.3	155.3	125.1	212.4	254.4	441.0	393.5	124.0
87.5°	2.2	3.2	9.7	15.1	14.0	8.6	15.1	11.9	24.8	18.3	19.4
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°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
2.5°	4.3	4.3	4.3	5.4	5.4	3.2	2.2	4.3	4.3	4.3	4.3
5°	4.3	4.3	5.4	5.4	5.4	4.3	5.4	7.5	8.6	8.6	8.6
7.5°	4.3	4.3	4.3	6.5	6.5	7.5	10.8	64.7	148.8	162.8	160.6
10°	8.6	7.5	8.6	9.7	11.9	138.0	181.1	190.8	195.1	198.4	197.3
12.5°	207.0	185.4	34.5	19.4	130.5	194.1	197.3	204.8	212.4	215.6	215.6
15°	485.2	434.5	332.1	250.1	223.2	207.0	210.2	276.0	375.2	384.9	386.0
17.5°	515.3	451.7	347.2	382.7	394.6	307.3	337.5	379.5	383.8	384.9	384.9
20°	971.4	814.0	493.8	403.2	402.1	514.3	360.1	370.9	377.3	429.1	435.6
22.5°	1051.2	872.2	593.0	572.5	433.4	514.3	471.1	458.2	501.3	497.0	500.3
25°	1321.8	1046.9	624.2	574.6	607.0	498.1	553.1	456.1	463.6	461.4	461.4
27.5°	1680.8	1320.7	872.2	643.6	589.7	575.7	512.1	438.8	526.1	528.3	528.3
30°	1780.0	1358.5	872.2	695.4	613.5	566.0	473.3	518.6	489.5	480.8	476.5
32.5°	2466.8	1842.5	1055.5	669.5	604.8	519.7	518.6	481.9	480.8	500.3	500.3
35°	2591.8	1870.6	963.9	765.5	570.3	535.8	492.7	487.3	465.8	458.2	457.1
37.5°	2715.8	1887.8	893.8	702.9	585.4	511.0	485.2	447.4	471.1	471.1	469.0
40°	2848.4	1906.1	830.2	645.8	538.0	511.0	449.6	446.3	414.0	416.2	414.0
42.5°	2990.7	1913.7	762.2	598.4	493.8	479.8	434.5	401.1	400.0	407.5	405.4
45°	3153.5	1923.4	699.7	538.0	449.6	422.6	388.1	390.3	410.8	428.0	428.0
47.5°	3327.1	1932.0	648.0	484.1	418.3	383.8	357.9	366.6	403.2	420.5	425.9
50°	3562.2	1942.8	588.7	439.9	396.8	354.7	350.4	357.9	397.8	410.8	405.4
52.5°	3812.3	1923.4	530.4	411.8	374.1	322.4	329.9	349.3	392.4	398.9	394.6
55°	4017.1	1874.9	485.2	393.5	357.9	308.3	319.1	342.8	383.8	387.1	388.1
57.5°	4255.4	1811.3	449.6	379.5	348.2	301.9	314.8	341.8	366.6	381.7	381.7
60°	4489.4	1736.9	428.0	372.0	340.7	301.9	314.8	340.7	363.3	379.5	378.4
62.5°	4763.2	1652.8	415.1	376.3	331.0	305.1	317.0	343.9	362.3	380.6	378.4
65°	4859.2	1492.1	405.4	382.7	329.9	309.4	318.1	348.2	361.2	382.7	380.6
67.5°	4669.4	1279.7	389.2	382.7	339.6	314.8	317.0	346.1	357.9	383.8	374.1
68°	4605.8	1248.5	383.8	381.7	340.7	315.9	317.0	345.0	355.8	382.7	372.0
70°	4252.2	1050.1	356.9	370.9	345.0	320.2	311.6	337.5	345.0	380.6	367.6
72.5°	3679.7	818.3	311.6	345.0	340.7	326.7	301.9	322.4	326.7	355.8	334.2
75°	2942.2	622.1	257.7	299.7	320.2	326.7	287.9	301.9	300.8	314.8	295.4
77.5°	1850.1	444.2	208.1	254.4	291.1	318.1	274.9	274.9	262.0	264.1	255.5
80°	897.0	304.0	168.2	210.2	243.7	300.8	252.3	231.8	215.6	211.3	200.5
82.5°	441.0	196.2	116.4	158.5	193.0	249.0	226.4	190.8	162.8	160.6	143.4
85°	102.4	80.9	63.6	84.1	121.8	162.8	162.8	119.7	101.3	131.5	97.0
87.5°	9.7	11.9	12.9	11.9	15.1	14.0	34.5	34.5	31.3	20.5	14.0
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)