

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: P415970

Luminaire Tested: **LXF.LXT-PA1-60-750-U-SL3**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P415970  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2002-662-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-60-750-U-SL3  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 5000K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL  
LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7502 lumens  
Efficiency: N/A  
Efficacy: 117.2 lumens/watt  
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')  
IES Classification: Type III - Medium - Non-Cutoff  
BUG Rating: B1 - U0 - G3

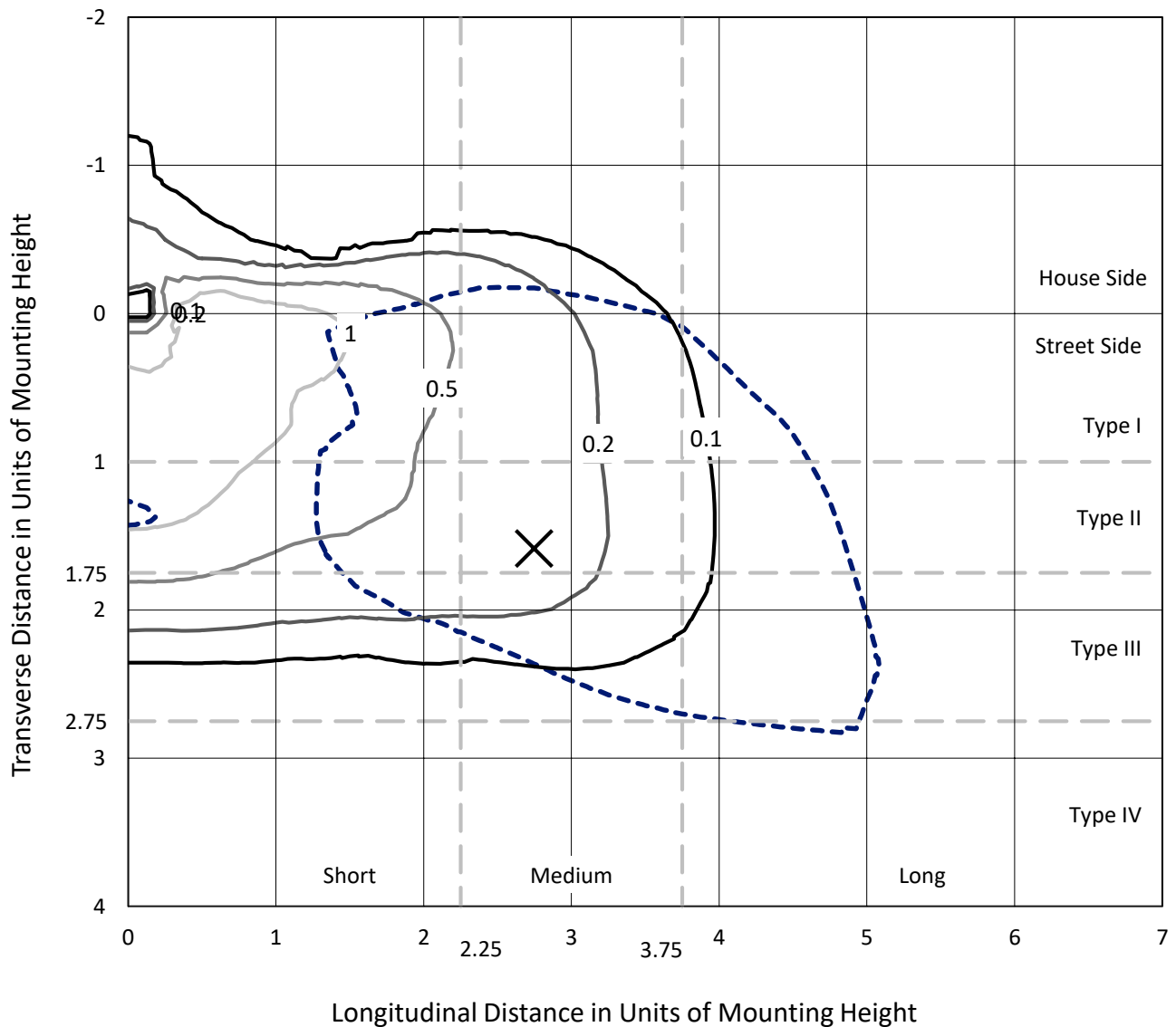
Input Watts (W): 64  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

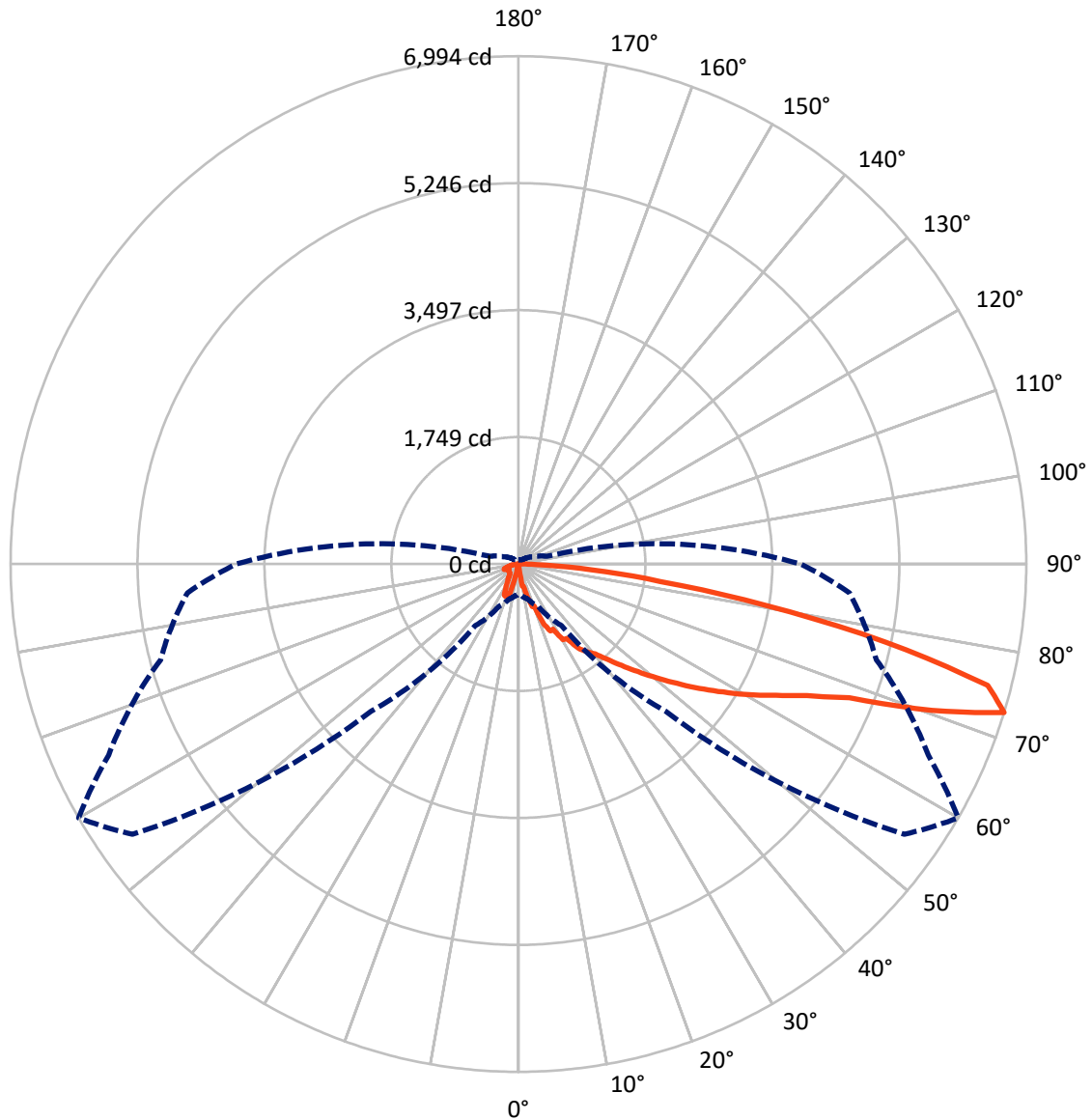
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.8 fc  
 Type III - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral    - - - Horizontal Cone Through 72.5-Deg Vertical



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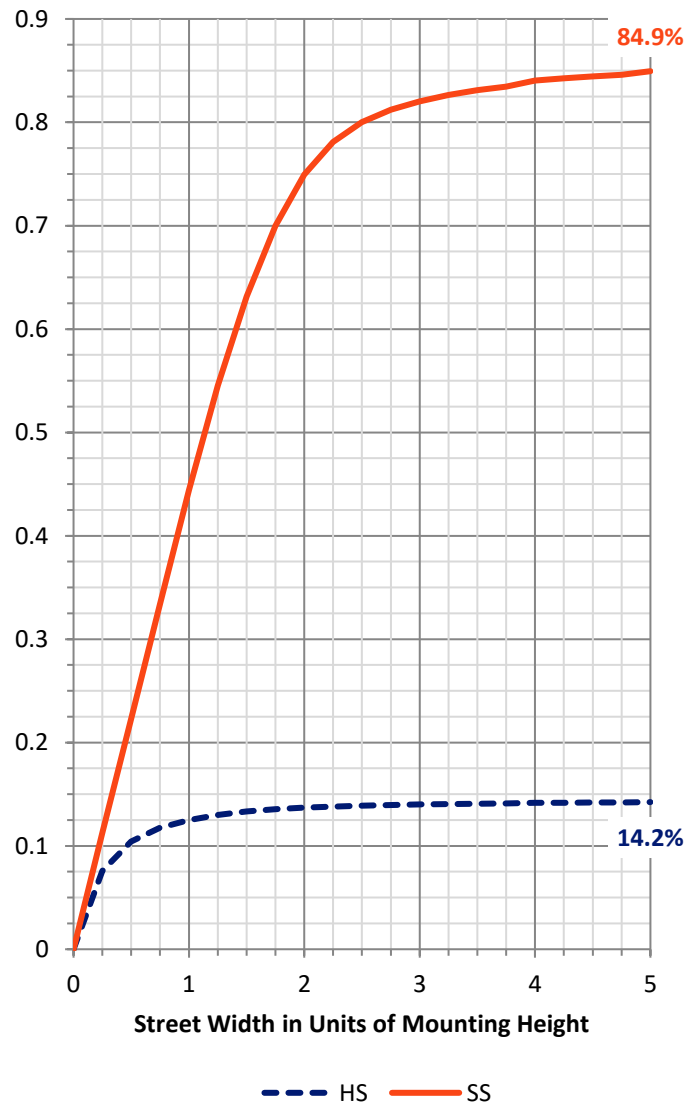
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1080.4	0.0	1080.4
	% Fixture	14.4	0.0	14.4
<b>Street Side</b>	Lumens	6421.6	0.0	6421.6
	% Fixture	85.6	0.0	85.6
<b>Total</b>	Lumens	7502.0	0.0	7502.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	7.9	0.1
10°-20°	109.4	1.5
20°-30°	329.3	4.4
30°-40°	651.4	8.7
40°-50°	1079.0	14.4
50°-60°	1611.9	21.5
60°-70°	1917.5	25.6
70°-80°	1535.0	20.5
80°-90°	260.5	3.5
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°	7502.0	100.0
0°-180°	7502.0	100.0



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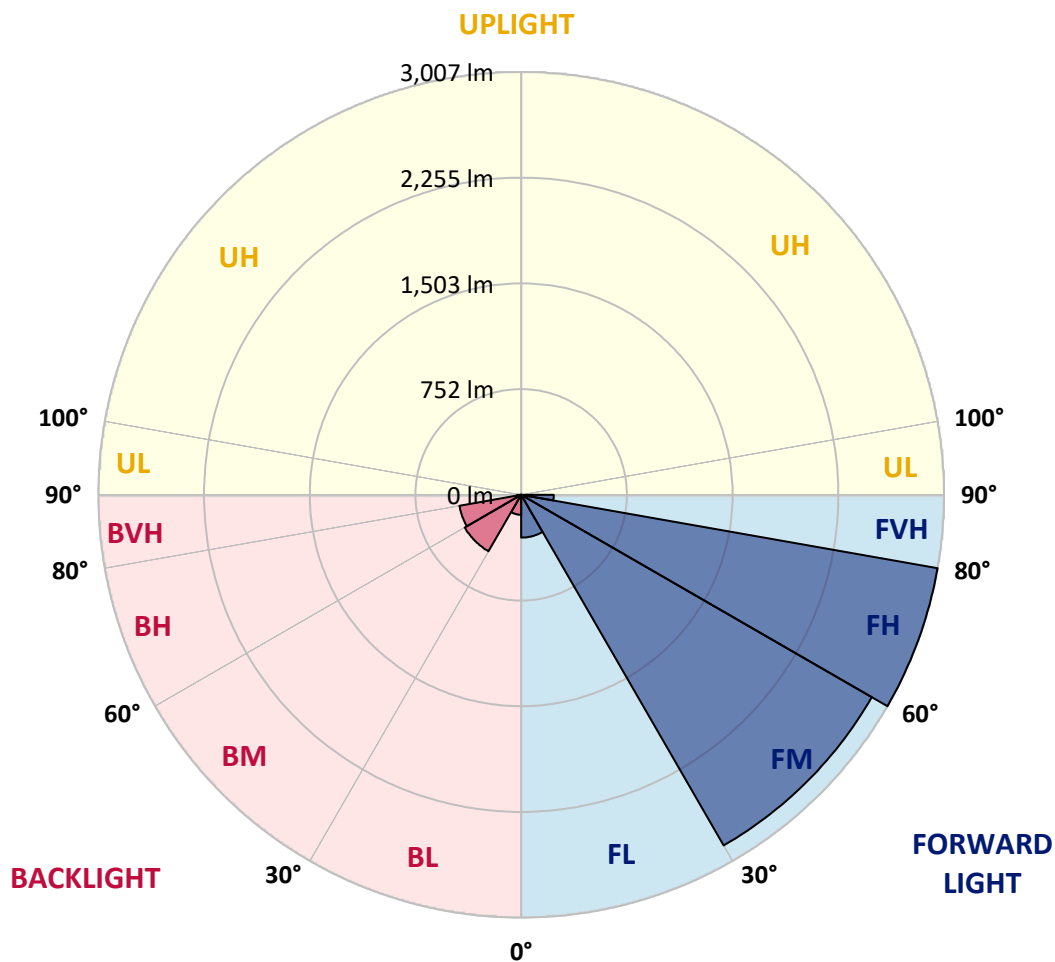
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	304.5	4.1			
FM	(30°-60°)	2878.8	38.4			
FH	(60°-80°)	3006.6	40.1			G2/5000
FVH	(80°-90°)	231.8	3.1			G3/500
BL	(0°-30°)	142.2	1.9	B1/500		
BM	(30°-60°)	463.5	6.2	B1/1000		
BH	(60°-80°)	446.0	5.9	B1/500		G1/500
BVH	(80°-90°)	28.7	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G3**

Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
2.5°	4.1	4.1	4.9	5.7	5.7	4.9	4.1	4.1	4.1	3.3	4.1
5°	280.3	141.4	94.8	45.0	33.5	16.3	6.5	4.9	4.9	4.1	4.1
7.5°	322.0	322.0	322.8	326.1	328.5	330.2	40.9	21.2	8.2	4.1	4.1
10°	310.6	308.1	309.7	313.0	316.3	321.2	326.9	310.6	36.8	6.5	4.9
12.5°	573.7	572.1	552.5	336.7	312.2	312.2	320.4	321.2	252.5	24.5	23.7
15°	553.3	552.5	554.9	560.7	569.6	322.8	327.7	477.3	621.9	438.1	509.2
17.5°	568.8	562.3	547.6	544.3	552.5	519.0	610.5	617.9	631.8	503.4	515.7
20°	780.5	778.0	778.0	655.5	540.2	755.2	716.8	618.7	635.0	728.2	912.1
22.5°	778.0	774.0	768.2	767.4	880.2	734.7	746.2	894.9	930.9	1067.4	1030.6
25°	1057.6	1046.9	886.7	773.1	874.5	823.0	997.1	1023.2	946.4	1107.4	1054.3
27.5°	1148.3	1127.8	1077.2	987.3	881.0	1000.3	995.4	1016.7	1043.7	1513.6	1449.0
30°	1559.4	1462.9	1191.6	1146.6	1053.5	1012.6	1134.4	1208.8	1318.3	1482.5	1509.5
32.5°	1744.9	1709.7	1577.3	1411.4	1230.8	1093.5	1240.6	1221.8	1328.1	1802.1	1935.3
35°	2145.4	2102.0	1739.2	1589.6	1431.1	1340.3	1275.8	1427.0	1557.7	1874.0	1972.1
37.5°	2223.8	2214.0	2129.8	1861.8	1649.3	1473.6	1493.2	1534.0	1619.0	1974.5	2075.9
40°	2285.1	2285.9	2310.4	2079.2	1850.3	1687.7	1628.8	1629.7	1702.4	2139.6	2209.1
42.5°	2446.9	2453.5	2519.7	2272.9	2093.9	1937.8	1835.6	1790.7	1846.2	2329.2	2372.6
45°	2738.7	2724.0	2780.4	2472.3	2276.9	2142.9	2061.2	1992.5	2021.9	2531.1	2581.0
47.5°	3105.7	3074.6	3055.8	2720.7	2476.4	2361.1	2285.1	2213.2	2222.2	2724.0	2819.6
50°	3389.3	3373.7	3276.5	2908.7	2648.0	2581.0	2549.1	2460.0	2421.6	2938.9	3092.6
52.5°	3510.2	3495.5	3375.4	3050.9	2783.7	2791.0	2846.6	2730.5	2622.6	3171.9	3352.5
55°	3489.0	3476.7	3397.4	3121.2	2881.7	2993.7	3139.2	3023.1	2883.4	3391.7	3617.3
57.5°	3332.0	3337.8	3337.0	3126.1	2956.9	3184.1	3425.2	3325.5	3159.6	3609.9	3832.2
60°	2985.5	3015.8	3128.5	3090.9	3052.5	3363.9	3703.1	3656.5	3480.8	3849.4	4030.8
62.5°	2391.4	2451.0	2697.8	2898.9	3129.4	3615.6	3974.4	3980.1	3813.4	4034.9	4184.5
65°	1613.3	1608.4	1976.2	2474.7	3038.6	4011.2	4379.8	4368.4	4121.5	4246.6	4410.9
67.5°	896.6	916.2	1157.3	1637.8	2689.7	4256.4	5157.8	4912.7	4546.5	4569.4	4728.8
70°	554.9	578.6	659.5	915.4	1722.0	3970.3	6157.4	6043.0	5331.9	4997.7	4857.1
72.5°	421.7	434.8	500.2	648.9	1036.3	2871.9	6489.2	6994.3	6227.7	5103.1	4577.6
75°	251.7	267.3	356.3	560.7	863.9	1486.6	5626.1	6673.9	6512.1	5036.1	3994.9
77.5°	156.9	161.0	192.1	391.5	796.0	935.8	3854.3	5169.3	5307.4	4265.4	2822.9
80°	120.1	121.0	132.4	208.4	643.2	885.9	2232.0	3452.2	3383.5	2277.8	1109.0
82.5°	76.0	80.9	103.0	127.5	305.7	863.9	1319.1	1965.6	1730.2	616.2	308.9
85°	38.4	43.3	72.7	87.4	147.9	935.8	935.8	1007.7	708.6	206.8	116.9
87.5°	6.5	6.5	9.8	22.9	29.4	158.6	261.5	228.0	150.4	27.8	22.9
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°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
2.5°	4.1	4.1	4.1	3.3	2.5	1.6	0.8	0.8	0.8	1.6	1.6
5°	4.1	4.1	4.1	3.3	2.5	1.6	0.8	0.8	1.6	2.5	2.5
7.5°	4.1	4.1	4.1	3.3	2.5	2.5	1.6	3.3	7.4	95.6	64.6
10°	4.9	4.9	4.9	4.1	3.3	9.0	279.5	295.0	295.9	294.2	291.0
12.5°	26.2	28.6	21.2	7.4	30.2	280.3	268.9	255.8	250.9	245.2	245.2
15°	516.5	510.0	481.4	354.7	217.4	250.1	224.8	207.6	322.0	317.9	321.2
17.5°	518.2	506.7	465.8	507.5	470.8	224.8	255.0	277.1	261.5	255.8	258.3
20°	983.2	930.1	472.4	473.2	403.7	398.8	216.6	204.3	206.8	211.7	213.3
22.5°	1001.2	939.9	724.9	613.0	346.5	319.6	221.5	177.3	262.3	291.8	295.0
25°	1009.3	932.5	684.9	542.7	391.5	239.5	214.1	194.5	239.5	268.9	270.5
27.5°	1427.0	1292.9	935.8	460.9	302.4	210.0	200.2	183.1	214.9	266.4	267.3
30°	1414.7	1257.0	867.1	446.2	233.7	193.7	173.3	191.2	202.7	216.6	216.6
32.5°	1839.7	1613.3	961.9	359.6	196.1	161.0	163.5	174.1	174.9	206.8	209.2
35°	1840.5	1578.2	828.7	328.5	168.4	147.1	149.6	161.0	178.2	198.6	201.9
37.5°	1869.1	1562.6	714.3	255.8	168.4	147.1	142.2	153.6	165.9	194.5	197.8
40°	1929.6	1569.2	605.6	212.5	162.6	144.7	140.6	149.6	164.3	180.6	182.3
42.5°	2032.6	1606.0	502.6	192.1	158.6	144.7	134.9	141.4	149.6	183.1	186.3
45°	2196.0	1684.4	423.4	183.9	156.9	138.9	128.3	129.9	135.7	216.6	225.6
47.5°	2387.3	1793.1	354.7	179.8	154.5	133.2	118.5	120.1	133.2	246.0	258.3
50°	2607.9	1954.1	313.8	179.0	152.0	125.0	111.1	120.1	147.1	245.2	250.9
52.5°	2867.0	2117.6	291.8	182.3	150.4	117.7	115.2	134.9	139.8	197.0	197.0
55°	3099.9	2299.0	293.4	184.7	145.5	117.7	118.5	114.4	110.3	135.7	136.5
57.5°	3328.8	2479.6	320.4	179.8	138.1	118.5	102.2	94.0	95.6	115.2	117.7
60°	3527.4	2653.7	401.3	169.2	131.6	107.1	94.8	88.3	89.9	116.1	118.5
62.5°	3741.5	2866.2	555.7	173.3	130.8	101.3	88.3	80.9	84.2	96.4	98.1
65°	4030.8	3162.9	694.7	204.3	135.7	98.1	80.9	76.8	77.6	78.5	78.5
67.5°	4314.4	3345.9	670.2	241.1	152.0	96.4	76.8	71.9	71.1	71.1	71.1
70°	4286.6	3147.3	531.2	255.8	165.1	96.4	73.6	67.0	65.4	65.4	65.4
72.5°	3885.3	2692.1	407.8	237.0	152.0	92.4	68.7	61.3	58.8	58.8	58.8
75°	3305.9	2159.3	342.4	206.0	124.2	79.3	60.5	54.8	53.1	53.1	52.3
77.5°	2111.8	1276.6	291.0	167.5	95.6	64.6	52.3	47.4	47.4	47.4	45.0
80°	847.5	561.5	226.4	132.4	74.4	51.5	43.3	40.9	40.0	39.2	36.8
82.5°	322.0	277.1	147.1	96.4	57.2	39.2	35.1	32.7	32.7	31.9	27.8
85°	115.2	107.9	67.8	55.6	35.1	24.5	27.0	24.5	23.7	21.2	18.0
87.5°	24.5	27.0	18.8	12.3	12.3	7.4	9.0	9.8	9.8	9.0	4.9
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)