

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: P415502

Luminaire Tested: **LXF.LXT-PA1-50-740-U-SL3**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P415502  
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-PA1-50-740-U-SL3  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 4000K, 670mA 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: 6494 lumens  
Efficiency: N/A  
Efficacy: 120.3 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 - G2

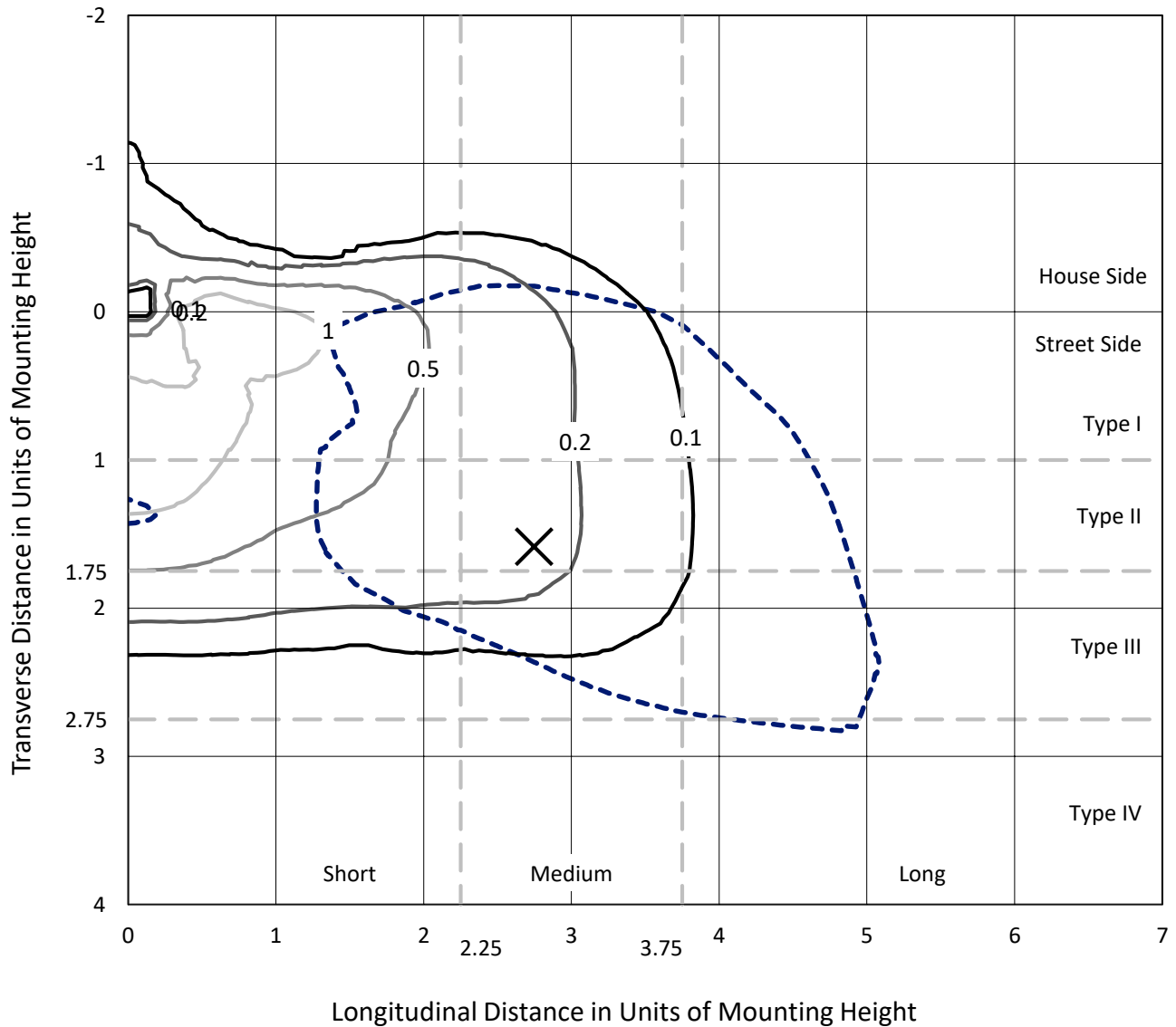
Input Watts (W): 54  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

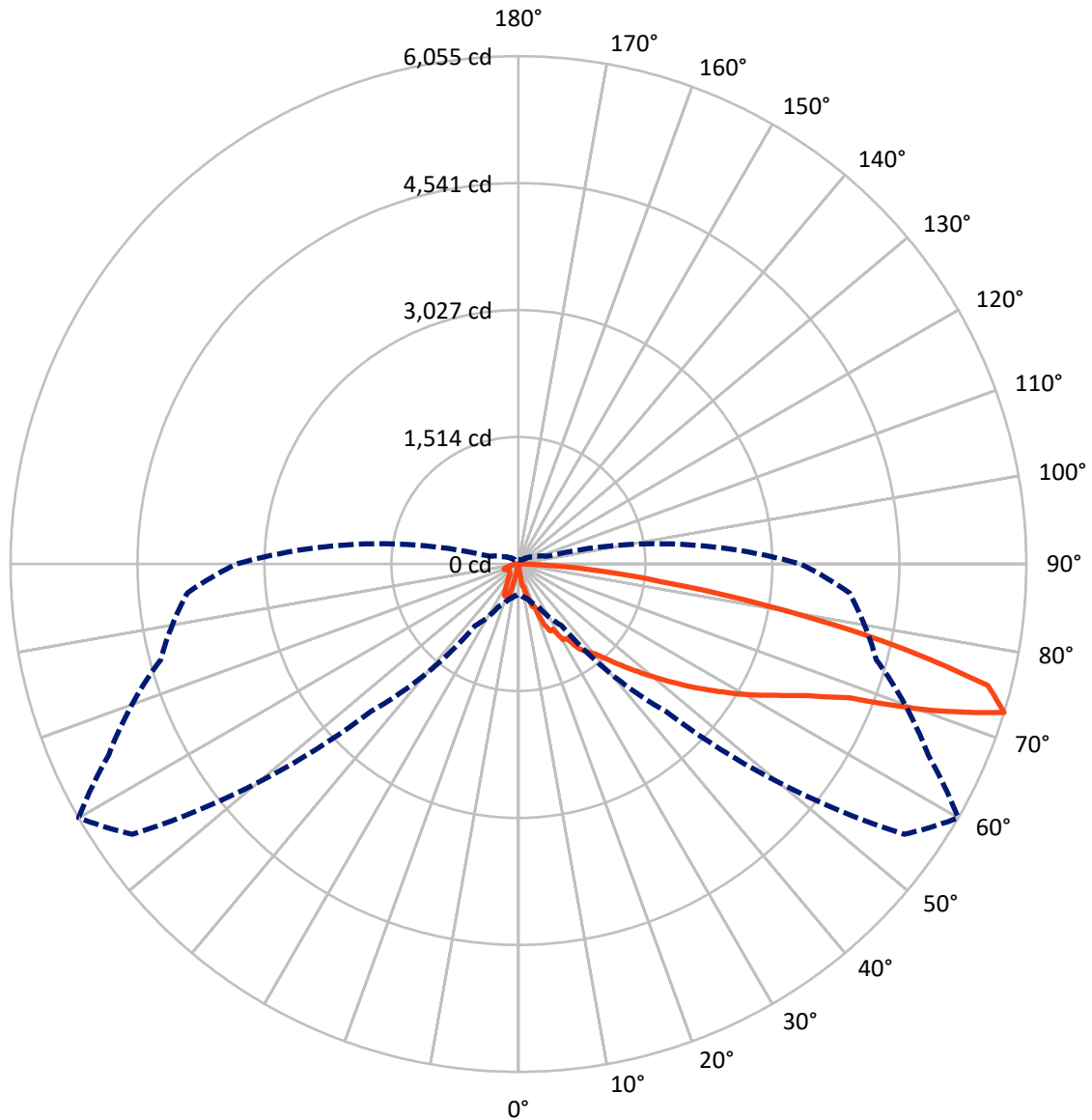
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 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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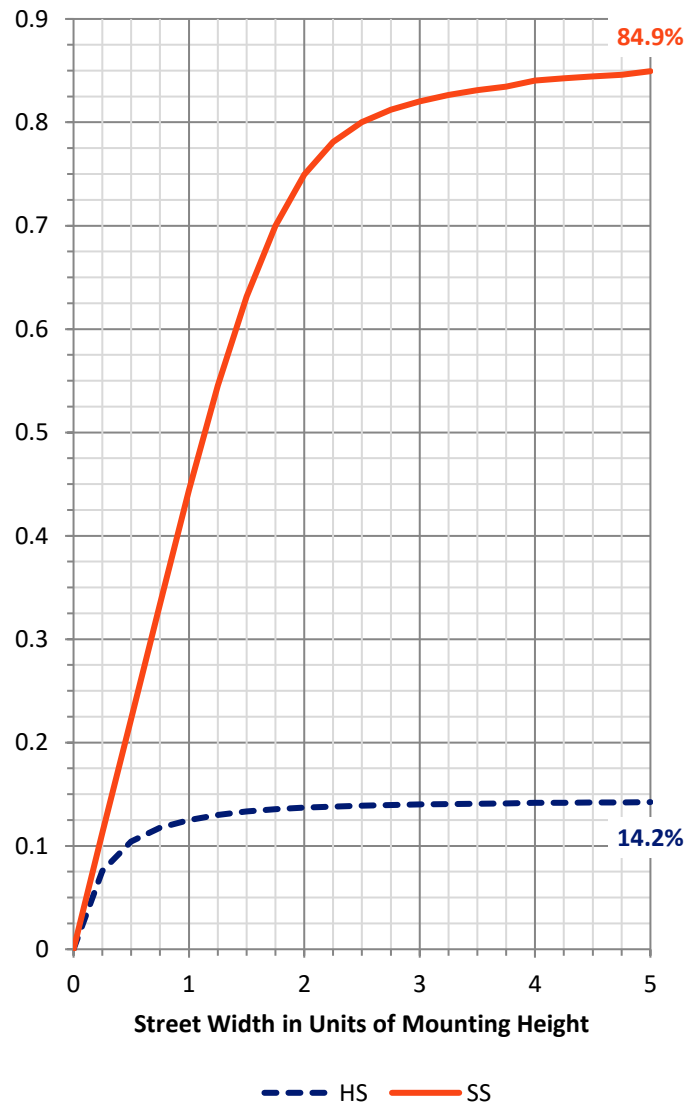
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	935.2	0.0	935.2
	% Fixture	14.4	0.0	14.4
<b>Street Side</b>	Lumens	5558.8	0.0	5558.8
	% Fixture	85.6	0.0	85.6
<b>Total</b>	Lumens	6494.0	0.0	6494.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	6.8	0.1
10°-20°	94.7	1.5
20°-30°	285.1	4.4
30°-40°	563.9	8.7
40°-50°	934.0	14.4
50°-60°	1395.3	21.5
60°-70°	1659.9	25.6
70°-80°	1328.8	20.5
80°-90°	225.5	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°	6494.0	100.0
0°-180°	6494.0	100.0



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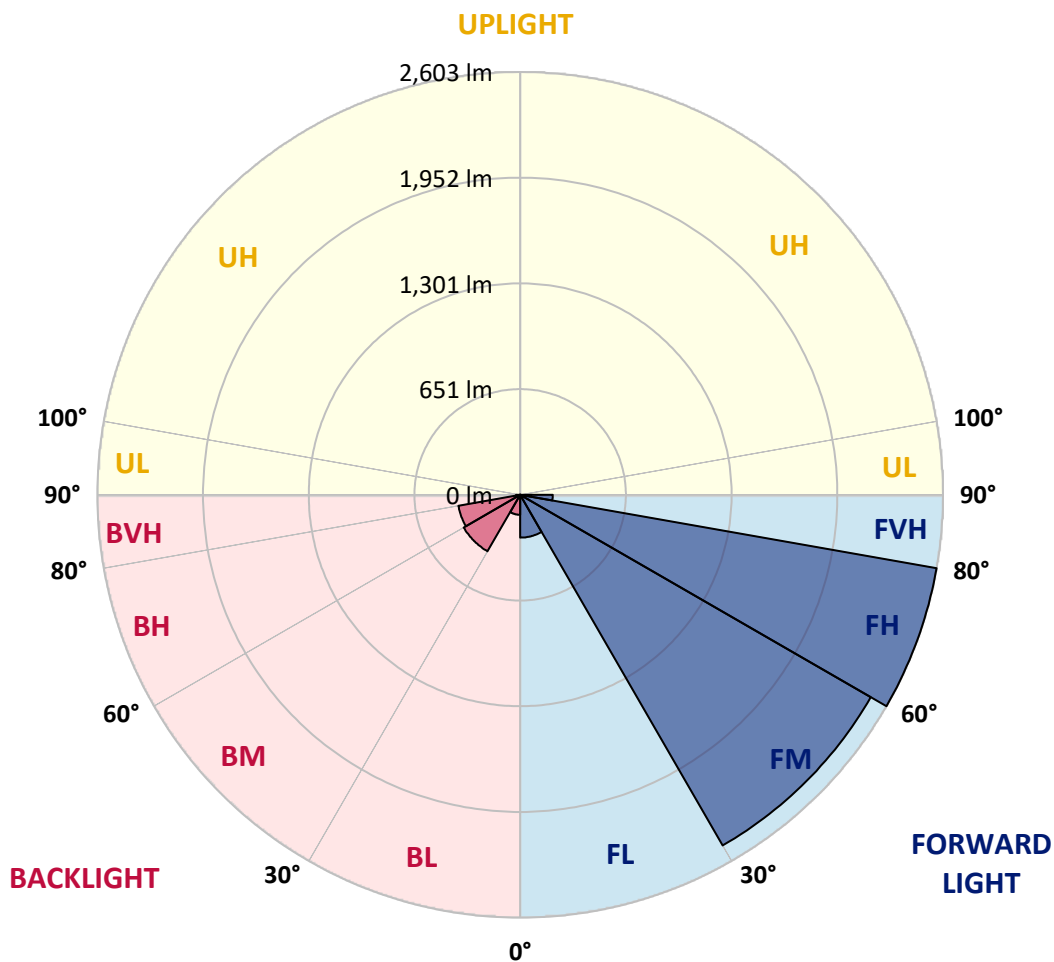
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	263.6	4.1			
FM	(30°-60°)	2492.0	38.4			
FH	(60°-80°)	2602.6	40.1			G2/5000
FVH	(80°-90°)	200.7	3.1			G2/225
BL	(0°-30°)	123.1	1.9	B1/500		
BM	(30°-60°)	401.3	6.2	B1/1000		
BH	(60°-80°)	386.0	5.9	B1/500		G1/500
BVH	(80°-90°)	24.9	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-G2**

Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
2.5°	3.5	3.5	4.2	5.0	5.0	4.2	3.5	3.5	3.5	2.8	3.5
5°	242.7	122.4	82.1	38.9	29.0	14.1	5.7	4.2	4.2	3.5	3.5
7.5°	278.7	278.7	279.4	282.3	284.4	285.8	35.4	18.4	7.1	3.5	3.5
10°	268.8	266.7	268.1	271.0	273.8	278.0	283.0	268.8	31.8	5.7	4.2
12.5°	496.6	495.2	478.2	291.5	270.3	270.3	277.3	278.0	218.6	21.2	20.5
15°	479.0	478.2	480.4	485.3	493.1	279.4	283.7	413.2	538.4	379.2	440.8
17.5°	492.4	486.7	474.0	471.2	478.2	449.2	528.5	534.8	546.9	435.8	446.4
20°	675.6	673.5	673.5	567.4	467.6	653.7	620.4	535.6	549.7	630.4	789.5
22.5°	673.5	670.0	665.0	664.3	761.9	636.0	645.9	774.7	805.8	924.0	892.1
25°	915.5	906.3	767.6	669.3	757.0	712.4	863.1	885.7	819.2	958.6	912.6
27.5°	994.0	976.3	932.4	854.6	762.6	865.9	861.7	880.1	903.4	1310.2	1254.3
30°	1349.8	1266.4	1031.5	992.6	911.9	876.6	982.0	1046.3	1141.1	1283.3	1306.7
32.5°	1510.4	1480.0	1365.4	1221.8	1065.4	946.6	1073.9	1057.7	1149.6	1560.0	1675.3
35°	1857.1	1819.6	1505.5	1376.0	1238.8	1160.2	1104.4	1235.2	1348.4	1622.2	1707.1
37.5°	1925.0	1916.5	1843.7	1611.6	1427.7	1275.6	1292.5	1327.9	1401.5	1709.2	1797.0
40°	1978.1	1978.8	2000.0	1799.8	1601.7	1460.9	1410.0	1410.7	1473.7	1852.1	1912.3
42.5°	2118.2	2123.8	2181.1	1967.5	1812.5	1677.4	1589.0	1550.1	1598.2	2016.3	2053.8
45°	2370.7	2358.0	2406.8	2140.1	1971.0	1855.0	1784.2	1724.8	1750.3	2191.0	2234.2
47.5°	2688.4	2661.5	2645.2	2355.2	2143.6	2043.9	1978.1	1915.8	1923.6	2358.0	2440.8
50°	2933.9	2920.4	2836.2	2517.9	2292.2	2234.2	2206.6	2129.5	2096.2	2544.0	2677.1
52.5°	3038.6	3025.8	2921.8	2641.0	2409.6	2416.0	2464.1	2363.6	2270.3	2745.7	2902.0
55°	3020.2	3009.6	2940.9	2701.8	2494.5	2591.4	2717.4	2616.9	2495.9	2936.0	3131.2
57.5°	2884.3	2889.3	2888.6	2706.1	2559.6	2756.3	2965.0	2878.7	2735.1	3124.9	3317.3
60°	2584.4	2610.5	2708.2	2675.6	2642.4	2911.9	3205.5	3165.2	3013.1	3332.2	3489.2
62.5°	2070.0	2121.7	2335.3	2509.4	2708.9	3129.8	3440.4	3445.4	3301.0	3492.8	3622.2
65°	1396.5	1392.3	1710.7	2142.2	2630.4	3472.2	3791.3	3781.4	3567.8	3676.0	3818.2
67.5°	776.1	793.1	1001.8	1417.8	2328.3	3684.5	4464.8	4252.6	3935.6	3955.4	4093.4
70°	480.4	500.9	570.9	792.4	1490.6	3436.9	5330.0	5231.0	4615.5	4326.2	4204.5
72.5°	365.1	376.4	433.0	561.7	897.1	2486.0	5617.3	6054.5	5390.9	4417.4	3962.5
75°	217.9	231.3	308.5	485.3	747.8	1286.9	4870.2	5777.2	5637.1	4359.4	3458.1
77.5°	135.8	139.4	166.3	338.9	689.1	810.0	3336.4	4474.7	4594.3	3692.3	2443.6
80°	104.0	104.7	114.6	180.4	556.8	766.9	1932.1	2988.3	2928.9	1971.7	960.0
82.5°	65.8	70.0	89.1	110.4	264.6	747.8	1141.9	1701.5	1497.7	533.4	267.4
85°	33.3	37.5	63.0	75.7	128.1	810.0	810.0	872.3	613.4	179.0	101.2
87.5°	5.7	5.7	8.5	19.8	25.5	137.2	226.4	197.4	130.2	24.1	19.8
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°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
2.5°	3.5	3.5	3.5	2.8	2.1	1.4	0.7	0.7	0.7	1.4	1.4
5°	3.5	3.5	3.5	2.8	2.1	1.4	0.7	0.7	1.4	2.1	2.1
7.5°	3.5	3.5	3.5	2.8	2.1	2.1	1.4	2.8	6.4	82.8	55.9
10°	4.2	4.2	4.2	3.5	2.8	7.8	242.0	255.4	256.1	254.7	251.9
12.5°	22.6	24.8	18.4	6.4	26.2	242.7	232.8	221.4	217.2	212.2	212.2
15°	447.1	441.5	416.7	307.0	188.2	216.5	194.6	179.7	278.7	275.2	278.0
17.5°	448.5	438.6	403.3	439.3	407.5	194.6	220.7	239.8	226.4	221.4	223.6
20°	851.1	805.1	408.9	409.6	349.5	345.2	187.5	176.9	179.0	183.2	184.6
22.5°	866.6	813.6	627.5	530.6	300.0	276.6	191.7	153.5	227.1	252.6	255.4
25°	873.7	807.2	592.9	469.8	338.9	207.3	185.4	168.4	207.3	232.8	234.2
27.5°	1235.2	1119.2	810.0	399.0	261.8	181.8	173.3	158.5	186.1	230.6	231.3
30°	1224.6	1088.1	750.6	386.3	202.3	167.7	150.0	165.5	175.5	187.5	187.5
32.5°	1592.5	1396.5	832.7	311.3	169.8	139.4	141.5	150.7	151.4	179.0	181.1
35°	1593.2	1366.1	717.4	284.4	145.7	127.3	129.5	139.4	154.2	171.9	174.7
37.5°	1618.0	1352.7	618.3	221.4	145.7	127.3	123.1	133.0	143.6	168.4	171.2
40°	1670.3	1358.3	524.2	183.9	140.8	125.2	121.7	129.5	142.2	156.4	157.8
42.5°	1759.5	1390.2	435.1	166.3	137.2	125.2	116.7	122.4	129.5	158.5	161.3
45°	1901.0	1458.1	366.5	159.2	135.8	120.3	111.1	112.5	117.4	187.5	195.3
47.5°	2066.5	1552.2	307.0	155.6	133.7	115.3	102.6	104.0	115.3	212.9	223.6
50°	2257.5	1691.6	271.7	154.9	131.6	108.2	96.2	104.0	127.3	212.2	217.2
52.5°	2481.8	1833.0	252.6	157.8	130.2	101.9	99.8	116.7	121.0	170.5	170.5
55°	2683.4	1990.1	254.0	159.9	125.9	101.9	102.6	99.0	95.5	117.4	118.1
57.5°	2881.5	2146.5	277.3	155.6	119.6	102.6	88.4	81.4	82.8	99.8	101.9
60°	3053.4	2297.1	347.4	146.4	113.9	92.7	82.1	76.4	77.8	100.5	102.6
62.5°	3238.8	2481.1	481.1	150.0	113.2	87.7	76.4	70.0	72.9	83.5	84.9
65°	3489.2	2737.9	601.3	176.9	117.4	84.9	70.0	66.5	67.2	67.9	67.9
67.5°	3734.7	2896.4	580.1	208.7	131.6	83.5	66.5	62.3	61.5	61.5	61.5
70°	3710.7	2724.5	459.9	221.4	142.9	83.5	63.7	58.0	56.6	56.6	56.6
72.5°	3363.3	2330.4	353.0	205.2	131.6	79.9	59.4	53.1	50.9	50.9	50.9
75°	2861.7	1869.1	296.4	178.3	107.5	68.6	52.4	47.4	46.0	46.0	45.3
77.5°	1828.1	1105.1	251.9	145.0	82.8	55.9	45.3	41.0	41.0	41.0	38.9
80°	733.6	486.0	196.0	114.6	64.4	44.6	37.5	35.4	34.7	34.0	31.8
82.5°	278.7	239.8	127.3	83.5	49.5	34.0	30.4	28.3	28.3	27.6	24.1
85°	99.8	93.4	58.7	48.1	30.4	21.2	23.3	21.2	20.5	18.4	15.6
87.5°	21.2	23.3	16.3	10.6	10.6	6.4	7.8	8.5	8.5	7.8	4.2
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)