

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: P417374

Luminaire Tested: **LXF.LXT-PA1-90-830-U-SL3**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P417374  
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-PA1-90-830-U-SL3  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 3000K, 1180mA 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: 7880 lumens  
Efficiency: N/A  
Efficacy: 83.8 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): 94  
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

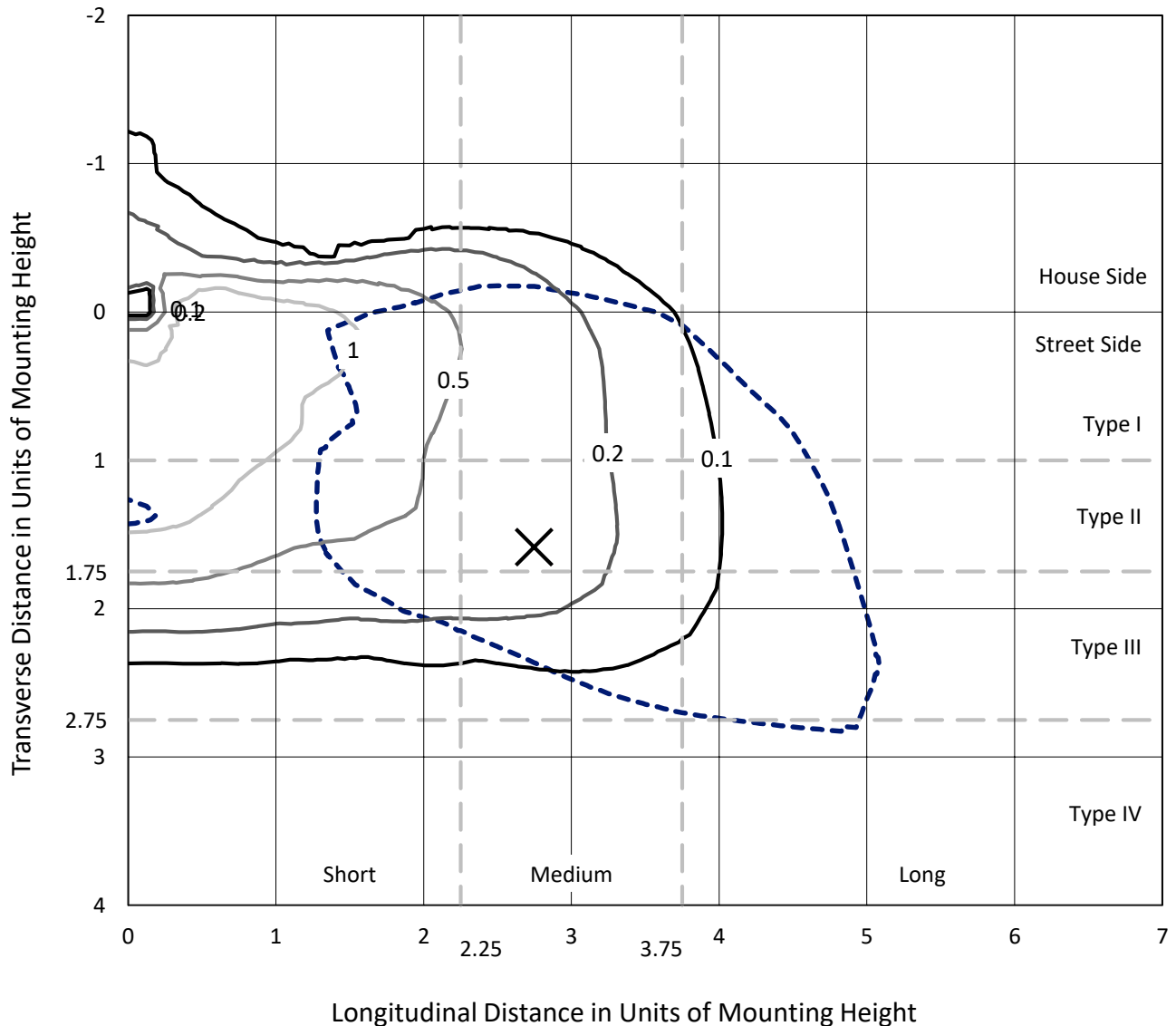


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

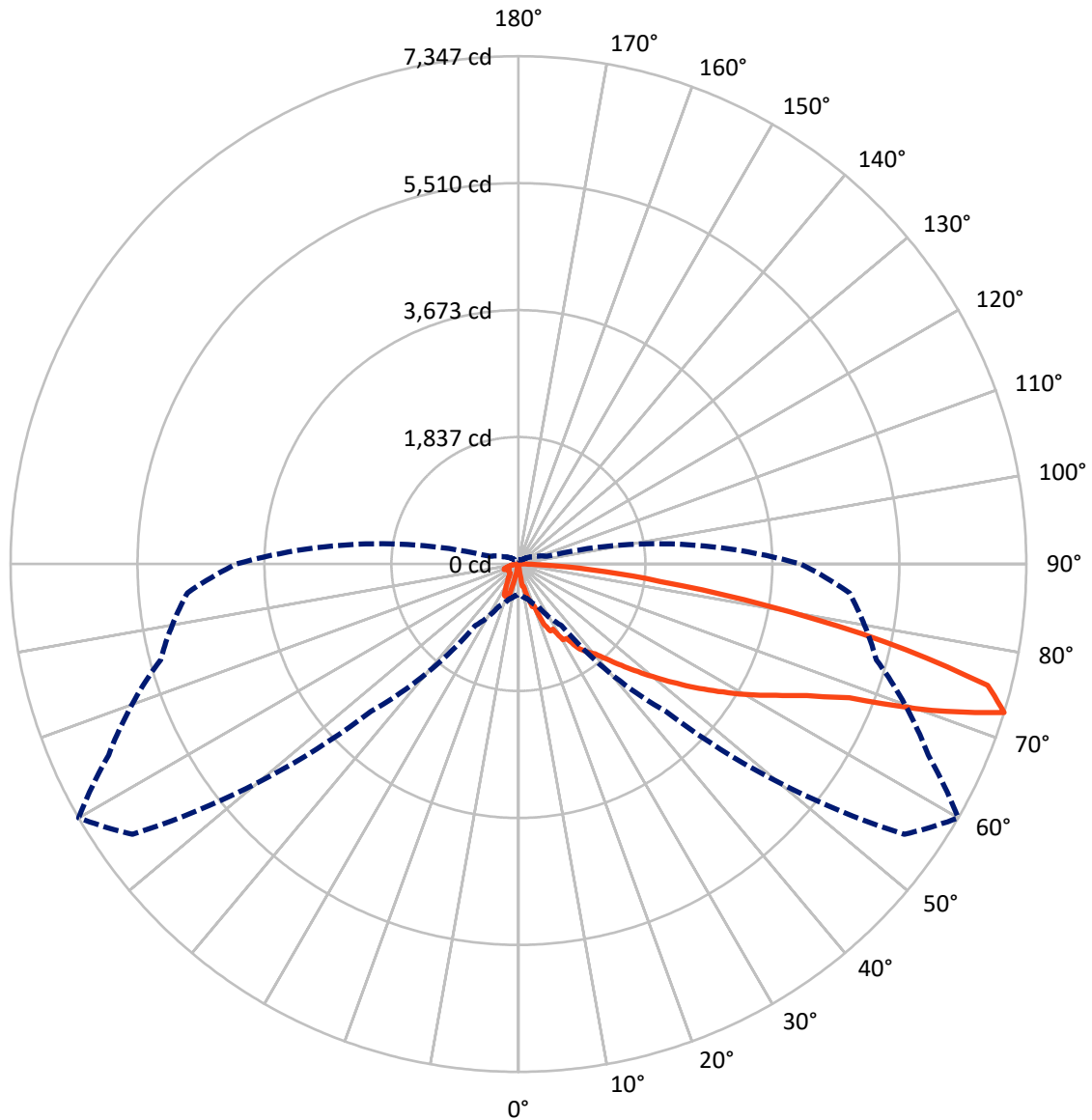


Based on 25 foot mounting height. Maximum calculated value = 1.9 fc  
 Type III - Medium - Non-Cutoff

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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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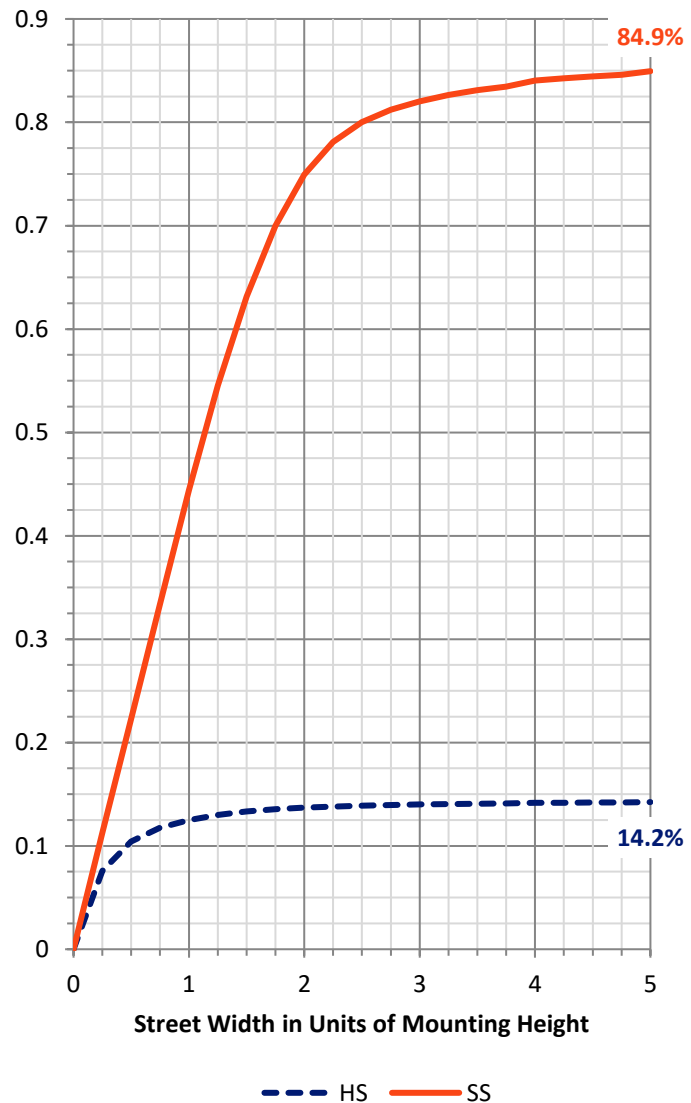
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1134.8	0.0	1134.8
	% Fixture	14.4	0.0	14.4
<b>Street Side</b>	Lumens	6745.2	0.0	6745.2
	% Fixture	85.6	0.0	85.6
<b>Total</b>	Lumens	7880.0	0.0	7880.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	8.3	0.1
10°-20°	114.9	1.5
20°-30°	345.9	4.4
30°-40°	684.2	8.7
40°-50°	1133.4	14.4
50°-60°	1693.1	21.5
60°-70°	2014.1	25.6
70°-80°	1612.4	20.5
80°-90°	273.7	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°	7880.0	100.0
0°-180°	7880.0	100.0

**Coefficient of Utilization**



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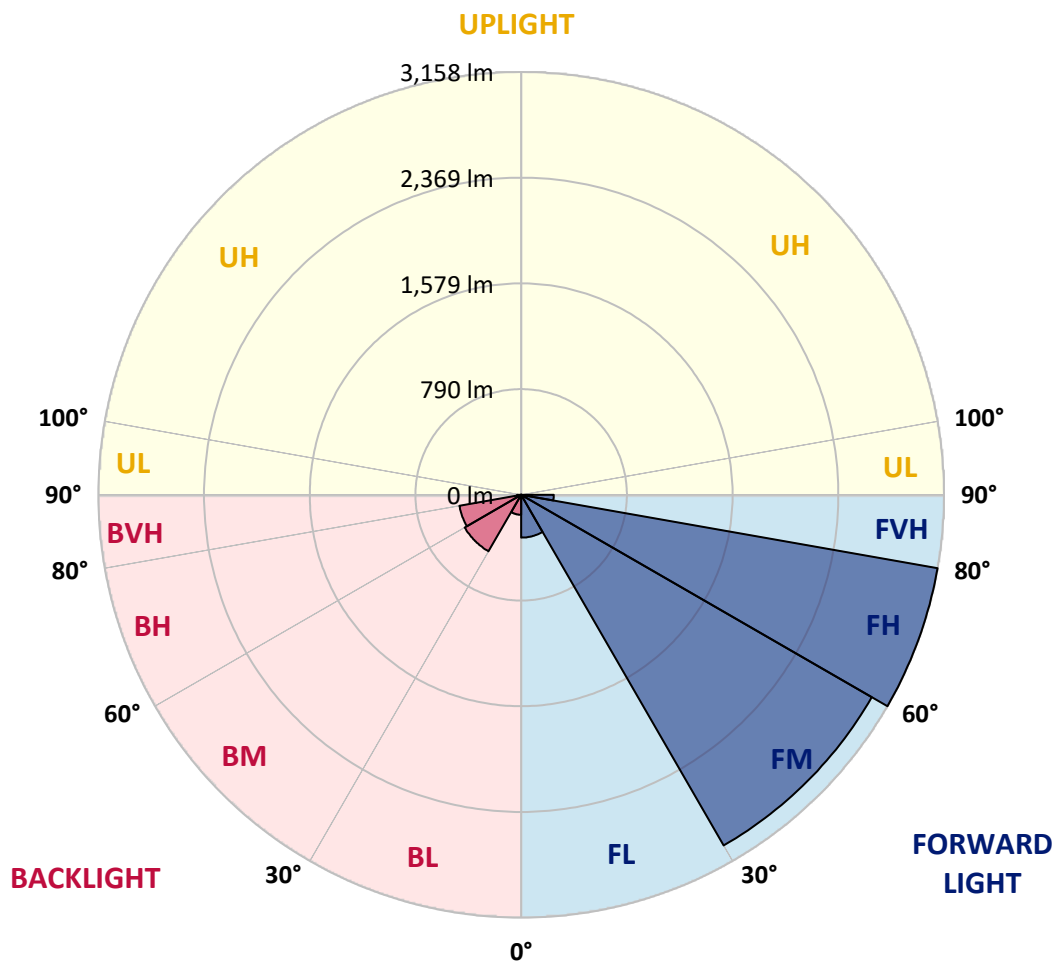
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	319.8	4.1			
FM	(30°-60°)	3023.8	38.4			
FH	(60°-80°)	3158.1	40.1			G2/5000
FVH	(80°-90°)	243.5	3.1			G3/500
BL	(0°-30°)	149.3	1.9	B1/500		
BM	(30°-60°)	486.9	6.2	B1/1000		
BH	(60°-80°)	468.4	5.9	B1/500		G1/500
BVH	(80°-90°)	30.2	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°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
2.5°	4.3	4.3	5.2	6.0	6.0	5.2	4.3	4.3	4.3	3.4	4.3
5°	294.5	148.5	99.6	47.2	35.2	17.2	6.9	5.2	5.2	4.3	4.3
7.5°	338.2	338.2	339.1	342.5	345.1	346.8	42.9	22.3	8.6	4.3	4.3
10°	326.2	323.6	325.4	328.8	332.2	337.4	343.4	326.2	38.6	6.9	5.2
12.5°	602.6	600.9	580.3	353.7	327.9	327.9	336.5	337.4	265.3	25.8	24.9
15°	581.2	580.3	582.9	588.9	598.3	339.1	344.2	501.3	653.3	460.1	534.8
17.5°	597.5	590.6	575.2	571.7	580.3	545.1	641.3	649.0	663.6	528.8	541.7
20°	819.8	817.3	817.3	688.5	567.4	793.2	752.9	649.9	667.0	764.9	958.0
22.5°	817.3	813.0	807.0	806.1	924.6	771.8	783.8	940.0	977.8	1121.1	1082.5
25°	1110.8	1099.7	931.4	812.1	918.6	864.5	1047.3	1074.8	994.1	1163.2	1107.4
27.5°	1206.1	1184.7	1131.4	1037.0	925.4	1050.8	1045.6	1067.9	1096.3	1589.9	1522.0
30°	1637.9	1536.6	1251.6	1204.4	1106.6	1063.6	1191.5	1269.7	1384.7	1557.2	1585.6
32.5°	1832.8	1795.9	1656.8	1482.6	1292.8	1148.6	1303.1	1283.4	1395.0	1892.9	2032.8
35°	2253.5	2208.0	1826.8	1669.7	1503.2	1407.9	1340.1	1498.9	1636.2	1968.4	2071.5
37.5°	2335.9	2325.6	2237.1	1955.6	1732.4	1547.8	1568.4	1611.3	1700.6	2074.0	2180.5
40°	2400.3	2401.1	2426.9	2183.9	1943.6	1772.7	1710.9	1711.8	1788.2	2247.4	2320.4
42.5°	2570.2	2577.1	2646.6	2387.4	2199.4	2035.4	1928.1	1880.9	1939.3	2446.6	2492.1
45°	2876.7	2861.2	2920.5	2596.8	2391.7	2250.9	2165.0	2092.9	2123.8	2658.6	2711.0
47.5°	3262.1	3229.5	3209.8	2857.8	2601.1	2480.1	2400.3	2324.7	2334.2	2861.2	2961.7
50°	3560.0	3543.7	3441.6	3055.3	2781.4	2711.0	2677.5	2584.0	2543.6	3087.0	3248.4
52.5°	3687.1	3671.6	3545.4	3204.6	2923.9	2931.6	2990.0	2868.1	2754.8	3331.7	3521.4
55°	3664.8	3651.9	3568.6	3278.5	3026.9	3144.5	3297.3	3175.4	3028.6	3562.6	3799.5
57.5°	3499.9	3505.9	3505.1	3283.6	3105.9	3344.6	3597.8	3493.1	3318.8	3791.8	4025.3
60°	3136.0	3167.7	3286.2	3246.7	3206.3	3533.4	3889.7	3840.7	3656.2	4043.3	4233.9
62.5°	2511.9	2574.5	2833.8	3045.0	3287.0	3797.8	4174.7	4180.7	4005.6	4238.2	4395.3
65°	1694.6	1689.4	2075.8	2599.4	3191.8	4213.3	4600.5	4588.5	4329.2	4460.6	4633.1
67.5°	941.7	962.3	1215.6	1720.4	2825.2	4470.9	5417.7	5160.2	4775.6	4799.6	4967.0
70°	582.9	607.8	692.8	961.5	1808.8	4170.4	6467.6	6347.4	5600.6	5249.5	5101.8
72.5°	443.0	456.7	525.4	681.6	1088.5	3016.6	6816.2	7346.7	6541.5	5360.2	4808.2
75°	264.4	280.7	374.3	588.9	907.4	1561.5	5909.6	7010.2	6840.2	5289.8	4196.1
77.5°	164.8	169.1	201.7	411.2	836.1	982.9	4048.5	5429.8	5574.8	4480.3	2965.1
80°	126.2	127.1	139.1	218.9	675.6	930.6	2344.5	3626.1	3554.0	2392.5	1164.9
82.5°	79.8	85.0	108.2	133.9	321.1	907.4	1385.6	2064.6	1817.4	647.3	324.5
85°	40.3	45.5	76.4	91.9	155.4	982.9	982.9	1058.5	744.3	217.2	122.8
87.5°	6.9	6.9	10.3	24.0	30.9	166.5	274.7	239.5	158.0	29.2	24.0
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°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
2.5°	4.3	4.3	4.3	3.4	2.6	1.7	0.9	0.9	0.9	1.7	1.7
5°	4.3	4.3	4.3	3.4	2.6	1.7	0.9	0.9	1.7	2.6	2.6
7.5°	4.3	4.3	4.3	3.4	2.6	2.6	1.7	3.4	7.7	100.4	67.8
10°	5.2	5.2	5.2	4.3	3.4	9.4	293.6	309.9	310.8	309.0	305.6
12.5°	27.5	30.0	22.3	7.7	31.8	294.5	282.4	268.7	263.5	257.5	257.5
15°	542.5	535.7	505.6	372.6	228.4	262.7	236.1	218.0	338.2	333.9	337.4
17.5°	544.3	532.2	489.3	533.1	494.5	236.1	267.8	291.0	274.7	268.7	271.3
20°	1032.7	976.9	496.2	497.0	424.1	418.9	227.5	214.6	217.2	222.3	224.1
22.5°	1051.6	987.2	761.5	643.8	364.0	335.7	232.6	186.3	275.6	306.5	309.9
25°	1060.2	979.5	719.4	570.0	411.2	251.5	224.9	204.3	251.5	282.4	284.1
27.5°	1498.9	1358.1	982.9	484.2	317.6	220.6	210.3	192.3	225.8	279.9	280.7
30°	1486.0	1320.3	910.8	468.7	245.5	203.5	182.0	200.9	212.9	227.5	227.5
32.5°	1932.4	1694.6	1010.4	377.7	206.0	169.1	171.7	182.9	183.7	217.2	219.8
35°	1933.2	1657.7	870.5	345.1	176.8	154.5	157.1	169.1	187.1	208.6	212.0
37.5°	1963.3	1641.4	750.3	268.7	176.8	154.5	149.4	161.4	174.3	204.3	207.7
40°	2026.8	1648.2	636.1	223.2	170.8	151.9	147.7	157.1	172.6	189.7	191.4
42.5°	2135.0	1686.9	528.0	201.7	166.5	151.9	141.6	148.5	157.1	192.3	195.7
45°	2306.7	1769.3	444.7	193.2	164.8	145.9	134.8	136.5	142.5	227.5	236.9
47.5°	2507.6	1883.5	372.6	188.9	162.2	139.9	124.5	126.2	139.9	258.4	271.3
50°	2739.3	2052.6	329.6	188.0	159.7	131.3	116.8	126.2	154.5	257.5	263.5
52.5°	3011.5	2224.3	306.5	191.4	158.0	123.6	121.0	141.6	146.8	206.9	206.9
55°	3256.1	2414.8	308.2	194.0	152.8	123.6	124.5	120.2	115.9	142.5	143.4
57.5°	3496.5	2604.6	336.5	188.9	145.1	124.5	107.3	98.7	100.4	121.0	123.6
60°	3705.1	2787.4	421.5	177.7	138.2	112.5	99.6	92.7	94.4	121.9	124.5
62.5°	3930.0	3010.6	583.8	182.0	137.4	106.4	92.7	85.0	88.4	101.3	103.0
65°	4233.9	3322.2	729.7	214.6	142.5	103.0	85.0	80.7	81.6	82.4	82.4
67.5°	4531.8	3514.5	703.9	253.2	159.7	101.3	80.7	75.5	74.7	74.7	74.7
70°	4502.6	3305.9	558.0	268.7	173.4	101.3	77.3	70.4	68.7	68.7	68.7
72.5°	4081.1	2827.8	428.4	249.0	159.7	97.0	72.1	64.4	61.8	61.8	61.8
75°	3472.5	2268.0	359.7	216.3	130.5	83.3	63.5	57.5	55.8	55.8	54.9
77.5°	2218.3	1340.9	305.6	176.0	100.4	67.8	54.9	49.8	49.8	49.8	47.2
80°	890.2	589.8	237.8	139.1	78.1	54.1	45.5	42.9	42.1	41.2	38.6
82.5°	338.2	291.0	154.5	101.3	60.1	41.2	36.9	34.3	34.3	33.5	29.2
85°	121.0	113.3	71.3	58.4	36.9	25.8	28.3	25.8	24.9	22.3	18.9
87.5°	25.8	28.3	19.7	12.9	12.9	7.7	9.4	10.3	10.3	9.4	5.2
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)