

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: P416982

Luminaire Tested: **LXF.LXT-PA1-80-830-U-T3-HSS**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P416982  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-26)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-80-830-U-T3-HSS  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 3000K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS  
WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5592 lumens  
Efficiency: N/A  
Efficacy: 67.4 lumens/watt  
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')  
IES Classification: Type IV - Medium - Non-Cutoff  
BUG Rating: B1 - U0 - G2

Input Watts (W): 83  
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

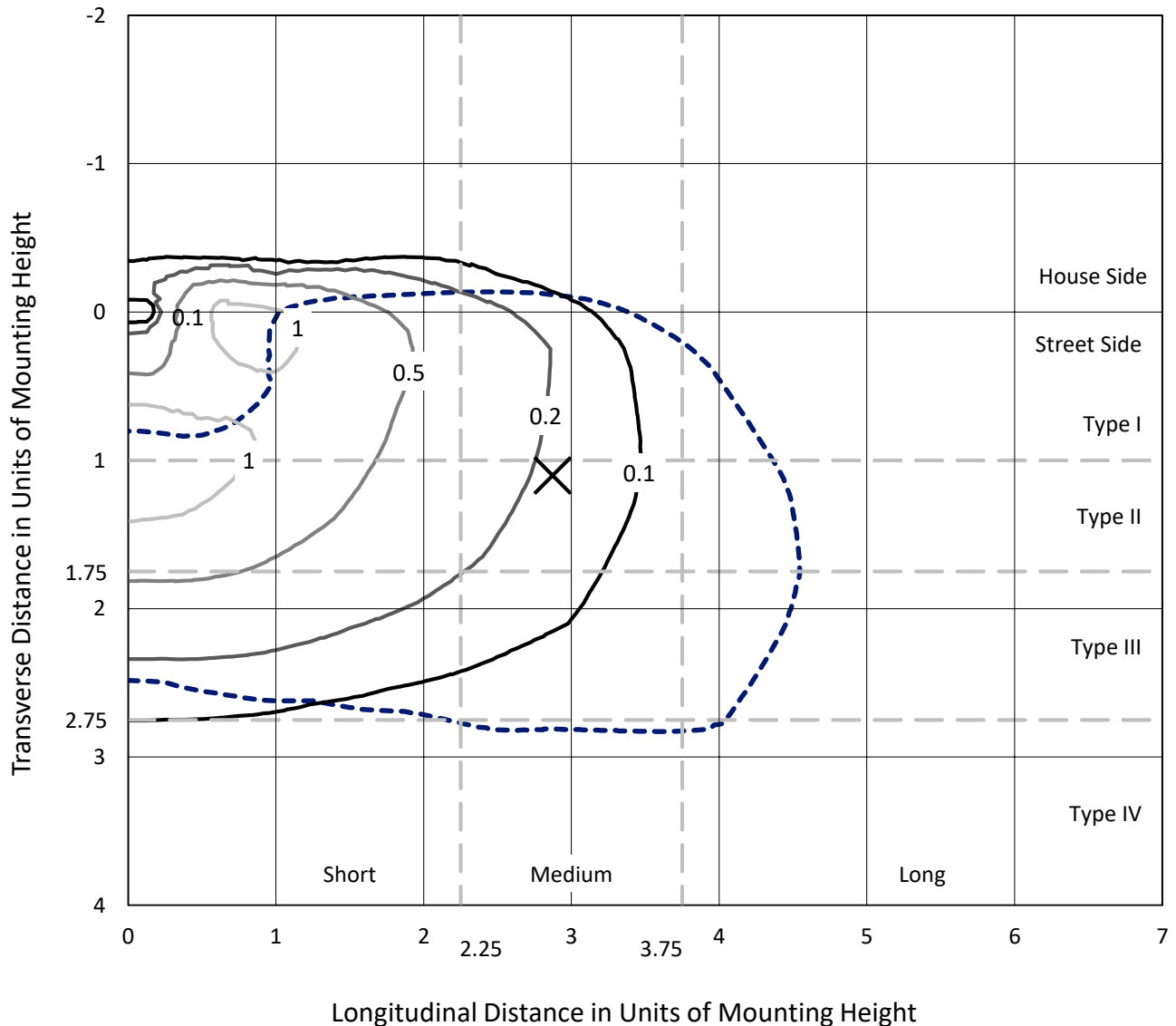


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

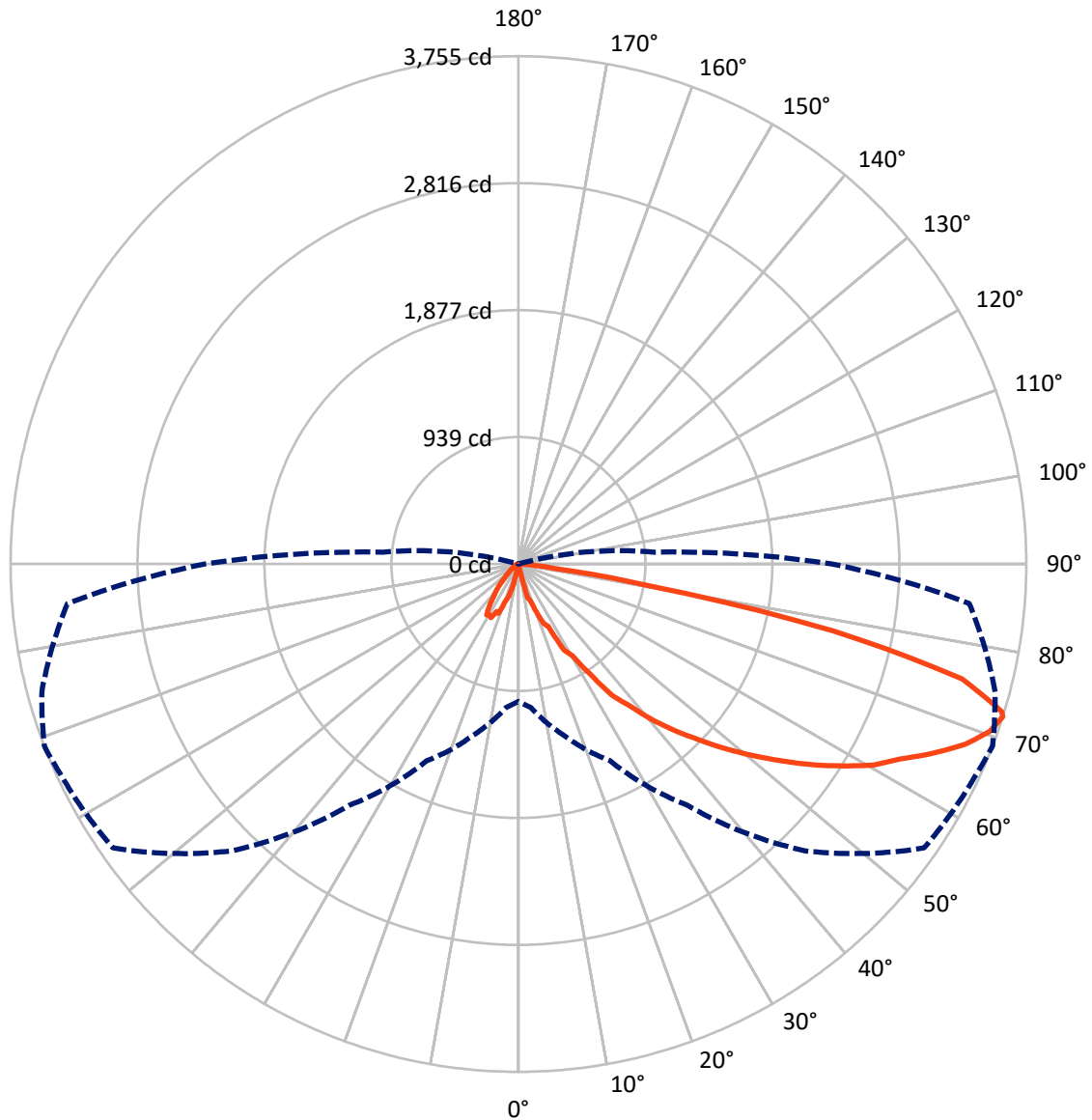


Based on 25 foot mounting height. Maximum calculated value = 1.5 fc  
 Type IV - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 69-Deg Lateral      - - - Horizontal Cone Through 72-Deg Vertical

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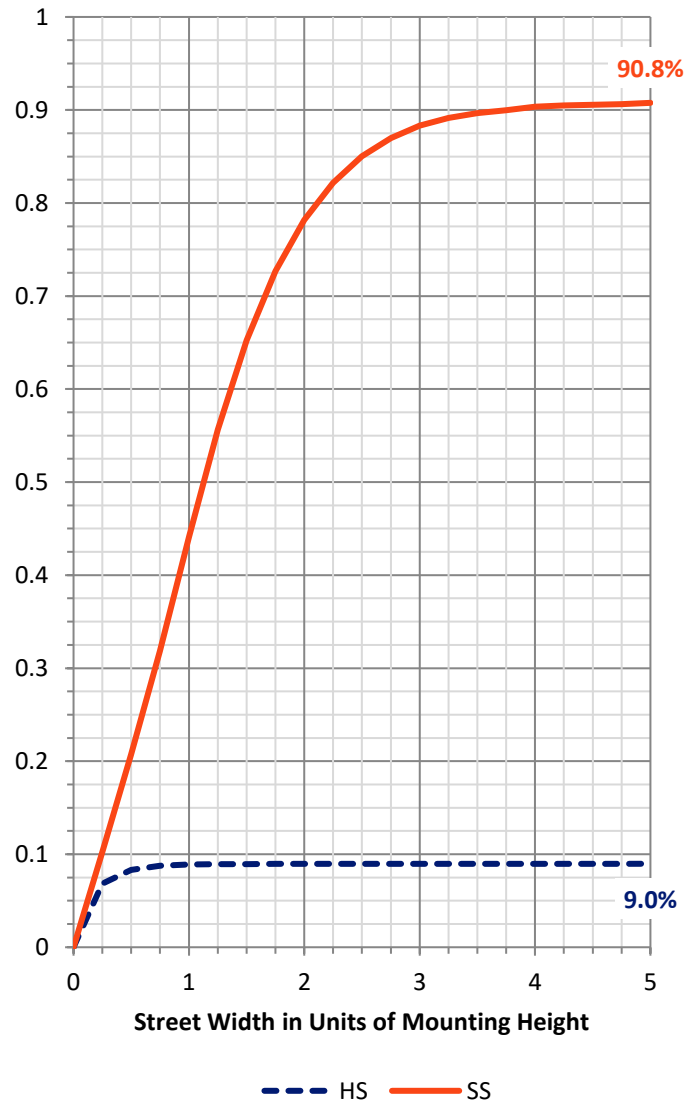
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	507.1	0.0	507.1
	% Fixture	9.1	0.0	9.1
<b>Street Side</b>	Lumens	5084.9	0.0	5084.9
	% Fixture	90.9	0.0	90.9
<b>Total</b>	Lumens	5592.0	0.0	5592.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	3.6	0.1
10°-20°	48.6	0.9
20°-30°	174.2	3.1
30°-40°	444.8	8.0
40°-50°	880.2	15.7
50°-60°	1387.1	24.8
60°-70°	1613.4	28.9
70°-80°	979.4	17.5
80°-90°	60.6	1.1
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°	5592.0	100.0
0°-180°	5592.0	100.0



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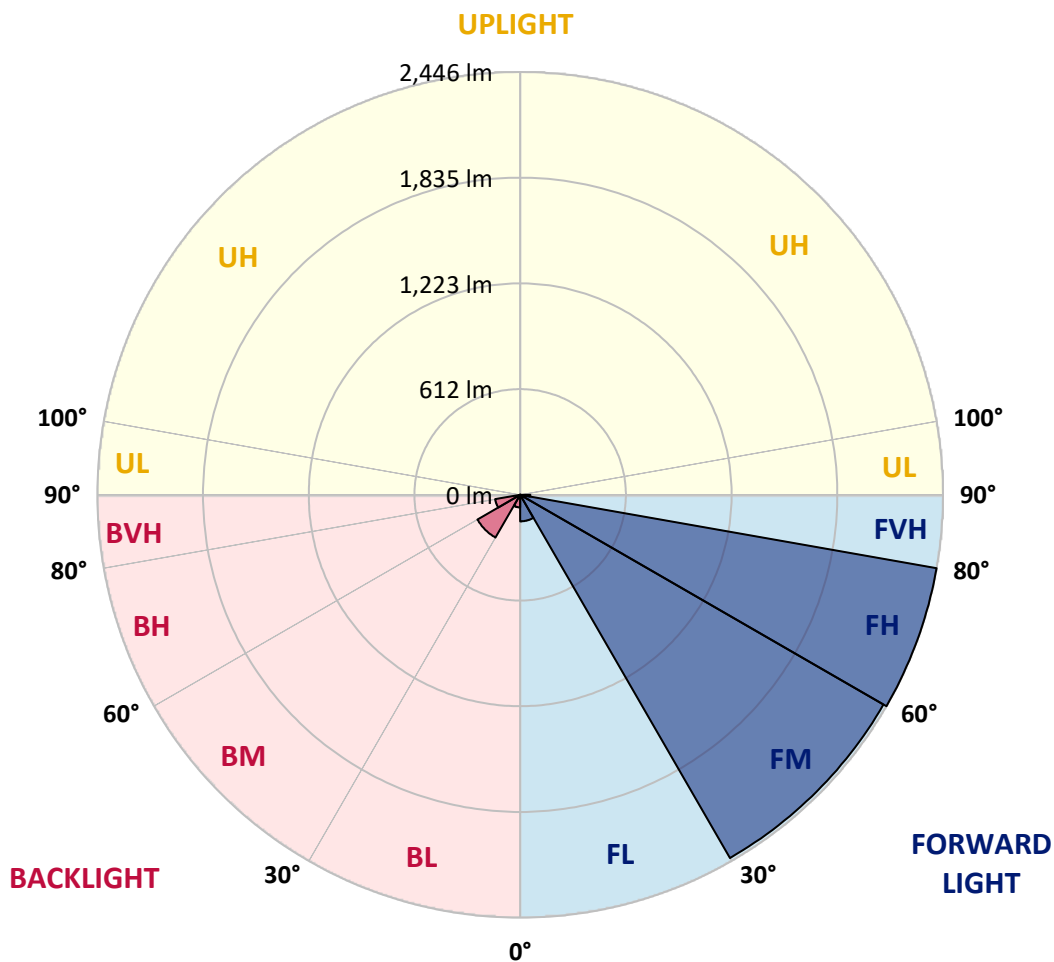
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	153.5	2.7			
FM	(30°-60°)	2426.8	43.4			
FH	(60°-80°)	2446.1	43.7			G2/5000
FVH	(80°-90°)	58.5	1.0			G1/100
BL	(0°-30°)	72.8	1.3	B0/110		
BM	(30°-60°)	285.4	5.1	B1/1000		
BH	(60°-80°)	146.7	2.6	B1/500		G1/500
BVH	(80°-90°)	2.1	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**

Type IV Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	69°	75°	85°
0°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
2.5°	0.8	0.8	0.8	0.8	1.6	1.6	2.4	2.4	2.4	2.4	2.4
5°	77.9	50.9	38.1	31.8	15.9	4.0	2.4	2.4	2.4	2.4	2.4
7.5°	120.0	120.0	120.8	121.6	124.0	104.1	22.3	2.4	2.4	2.4	2.4
10°	116.0	115.2	115.2	116.8	120.0	123.2	126.3	16.7	4.0	2.4	2.4
12.5°	226.5	224.1	208.2	145.4	119.2	120.8	127.1	96.9	27.0	15.9	91.4
15°	224.1	223.3	224.9	228.9	230.4	128.7	188.3	255.9	261.4	176.4	213.8
17.5°	244.8	237.6	226.5	228.1	235.2	276.5	266.2	277.3	282.9	197.9	231.2
20°	338.5	337.7	339.3	266.2	248.7	350.4	308.3	301.2	374.3	391.8	434.7
22.5°	345.7	344.1	346.5	354.4	398.1	366.3	446.6	456.9	478.4	529.2	496.7
25°	483.9	483.9	397.3	370.3	453.7	414.0	553.1	519.7	508.6	568.2	638.9
27.5°	584.1	577.7	557.0	517.3	472.0	585.7	588.8	710.4	720.7	793.1	806.6
30°	739.8	731.1	676.2	645.3	585.7	615.8	687.4	844.7	787.5	845.5	904.3
32.5°	1095.0	1082.3	1013.2	812.9	738.2	667.5	824.0	906.7	963.1	1120.4	1184.8
35°	1418.4	1335.8	1241.2	1088.7	894.8	867.8	889.2	1124.4	1191.2	1239.6	1304.8
37.5°	1744.2	1745.8	1651.3	1281.0	1130.8	1002.0	1072.0	1256.3	1323.9	1395.4	1454.2
40°	2005.7	1965.9	1839.6	1567.8	1334.2	1205.5	1214.2	1385.1	1505.1	1594.8	1606.8
42.5°	2339.4	2322.7	2136.8	1830.1	1597.2	1471.7	1433.5	1517.8	1676.7	1736.3	1772.8
45°	2658.9	2634.2	2476.1	2128.8	1878.5	1737.9	1685.4	1686.2	1842.8	1906.3	1958.8
47.5°	2898.1	2858.3	2773.3	2403.8	2232.2	2028.7	1919.9	1878.5	2031.1	2113.8	2143.2
50°	3148.4	3083.2	3015.7	2714.5	2537.3	2360.9	2152.7	2106.6	2217.1	2309.2	2333.1
52.5°	3316.0	3221.5	3174.6	2936.2	2810.7	2698.6	2385.5	2333.9	2412.5	2521.4	2502.3
55°	3231.0	3201.6	3252.5	3127.7	3006.1	2882.2	2639.0	2596.9	2617.6	2708.9	2663.6
57.5°	3053.8	3062.6	3212.7	3236.6	3181.8	3064.9	2866.3	2859.1	2817.0	2891.7	2832.9
60°	2868.7	2901.2	3110.2	3229.4	3269.2	3230.2	3106.3	3053.8	3016.5	3068.9	3022.8
62.5°	2620.7	2627.1	2907.6	3165.9	3235.8	3359.0	3273.9	3248.5	3171.4	3249.3	3230.2
65°	2309.2	2317.2	2581.0	2947.3	3135.7	3383.6	3405.0	3432.1	3372.5	3393.9	3454.3
67.5°	1961.2	1976.3	2206.7	2560.3	2920.3	3335.1	3513.9	3565.6	3560.8	3554.4	3614.0
70°	1587.7	1598.0	1785.6	2095.5	2572.3	3201.6	3614.8	3680.8	3699.1	3654.6	3612.4
72°	1015.6	1065.6	1313.5	1606.0	2177.3	2999.0	3660.1	3722.9	3754.7	3648.2	3346.2
72.5°	797.8	837.6	1213.4	1471.7	2042.2	2952.1	3651.4	3708.6	3738.0	3613.2	3233.4
75°	171.6	176.4	379.8	715.2	1288.1	2261.6	3348.6	3355.8	3387.6	3148.4	2213.9
77.5°	73.9	74.7	105.7	236.0	462.5	1156.2	2318.0	2383.9	2381.5	2037.5	1070.4
80°	51.7	53.2	62.8	108.1	220.1	334.5	1132.4	1139.5	980.6	728.7	267.0
82.5°	27.0	28.6	44.5	64.4	149.4	122.4	366.3	369.5	272.6	171.6	62.0
85°	4.8	7.2	21.5	38.9	58.0	49.3	80.3	100.9	87.4	68.3	26.2
87.5°	0.8	0.8	5.6	5.6	7.9	4.8	7.9	8.7	9.5	14.3	7.2
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°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
2.5°	2.4	2.4	2.4	2.4	1.6	0.8	0.0	0.0	0.0	0.0	0.0
5°	2.4	2.4	2.4	2.4	1.6	0.8	0.0	0.0	0.0	0.0	0.0
7.5°	2.4	2.4	2.4	2.4	1.6	0.8	0.0	73.1	98.5	104.9	112.0
10°	2.4	3.2	2.4	2.4	1.6	100.1	123.2	124.8	126.3	126.3	125.6
12.5°	100.9	103.3	36.6	7.2	93.0	127.1	120.8	110.5	100.9	97.7	96.9
15°	216.1	216.9	196.3	169.3	180.4	120.0	94.6	107.3	108.9	104.9	104.9
17.5°	232.8	232.8	222.5	271.8	228.1	120.0	99.3	81.8	69.9	66.8	66.0
20°	460.9	403.7	326.6	275.7	185.9	134.3	69.9	59.6	58.0	58.0	60.4
22.5°	497.4	490.3	425.1	371.9	159.7	94.6	68.3	68.3	81.1	79.5	78.7
25°	649.2	639.7	481.6	323.4	159.7	81.1	86.6	76.3	74.7	73.1	71.5
27.5°	820.9	801.0	677.0	292.4	112.8	85.0	82.6	72.3	85.8	85.8	85.0
30°	934.5	859.8	681.8	262.2	95.4	90.6	77.9	84.2	76.3	71.5	71.5
32.5°	1211.0	1176.9	833.6	185.2	90.6	81.8	81.8	72.3	64.4	66.8	66.0
35°	1298.4	1253.9	742.2	139.1	83.4	75.5	68.3	63.6	54.8	49.3	48.5
37.5°	1406.5	1348.5	623.0	107.3	81.8	66.8	56.4	48.5	42.1	42.1	41.3
40°	1539.2	1451.0	509.4	91.4	72.3	57.2	43.7	37.3	33.4	31.0	30.2
42.5°	1684.6	1548.0	391.8	82.6	62.8	46.9	32.6	27.0	24.6	23.8	23.8
45°	1838.0	1637.8	281.3	75.5	54.8	36.6	23.8	19.1	18.3	18.3	18.3
47.5°	1994.6	1702.9	191.5	68.3	46.1	27.0	17.5	14.3	14.3	13.5	13.5
50°	2147.9	1747.4	131.9	61.2	37.3	19.1	12.7	11.9	11.9	11.1	11.1
52.5°	2259.2	1737.1	98.5	53.2	29.4	14.3	10.3	9.5	9.5	9.5	9.5
55°	2367.2	1714.0	81.1	45.3	22.3	10.3	7.9	7.2	7.2	7.2	7.2
57.5°	2478.5	1683.1	69.9	36.6	15.9	7.9	5.6	5.6	5.6	5.6	5.6
60°	2570.7	1622.7	60.4	29.4	11.1	5.6	4.8	4.0	4.0	4.0	4.0
62.5°	2673.2	1561.5	51.7	22.3	7.9	4.0	3.2	2.4	2.4	1.6	2.4
65°	2746.3	1486.8	42.1	15.9	5.6	3.2	2.4	1.6	0.8	0.0	0.8
67.5°	2744.7	1387.4	30.2	10.3	4.0	2.4	1.6	0.8	0.0	0.0	0.0
70°	2624.7	1245.2	20.7	7.2	3.2	1.6	1.6	0.8	0.0	0.0	0.0
72°	2316.4	1004.4	15.9	6.4	3.2	1.6	1.6	0.8	0.0	0.0	0.0
72.5°	2208.3	921.8	14.3	5.6	3.2	1.6	1.6	0.8	0.0	0.0	0.0
75°	1402.5	383.8	11.1	4.8	3.2	1.6	1.6	0.8	0.8	0.8	0.0
77.5°	651.6	140.7	7.9	4.0	2.4	1.6	1.6	0.8	0.8	1.6	0.0
80°	142.2	41.3	5.6	4.0	2.4	1.6	1.6	1.6	1.6	2.4	0.0
82.5°	32.6	13.5	4.8	3.2	2.4	1.6	1.6	1.6	1.6	2.4	0.0
85°	11.9	7.9	4.8	4.0	3.2	1.6	1.6	2.4	2.4	3.2	0.0
87.5°	4.8	4.8	4.0	4.0	3.2	1.6	2.4	2.4	3.2	3.2	0.0
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)