

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: P416401

Luminaire Tested: **LXF.LXT-PA1-70-750-U-T2U-HSS**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P416401  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-29)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-70-750-U-T2U-HSS  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 5000K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS  
WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6185 lumens  
Efficiency: N/A  
Efficacy: 83.6 lumens/watt  
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')  
IES Classification: Type II - Short - Full Cutoff  
BUG Rating: B1 - U0 - G1

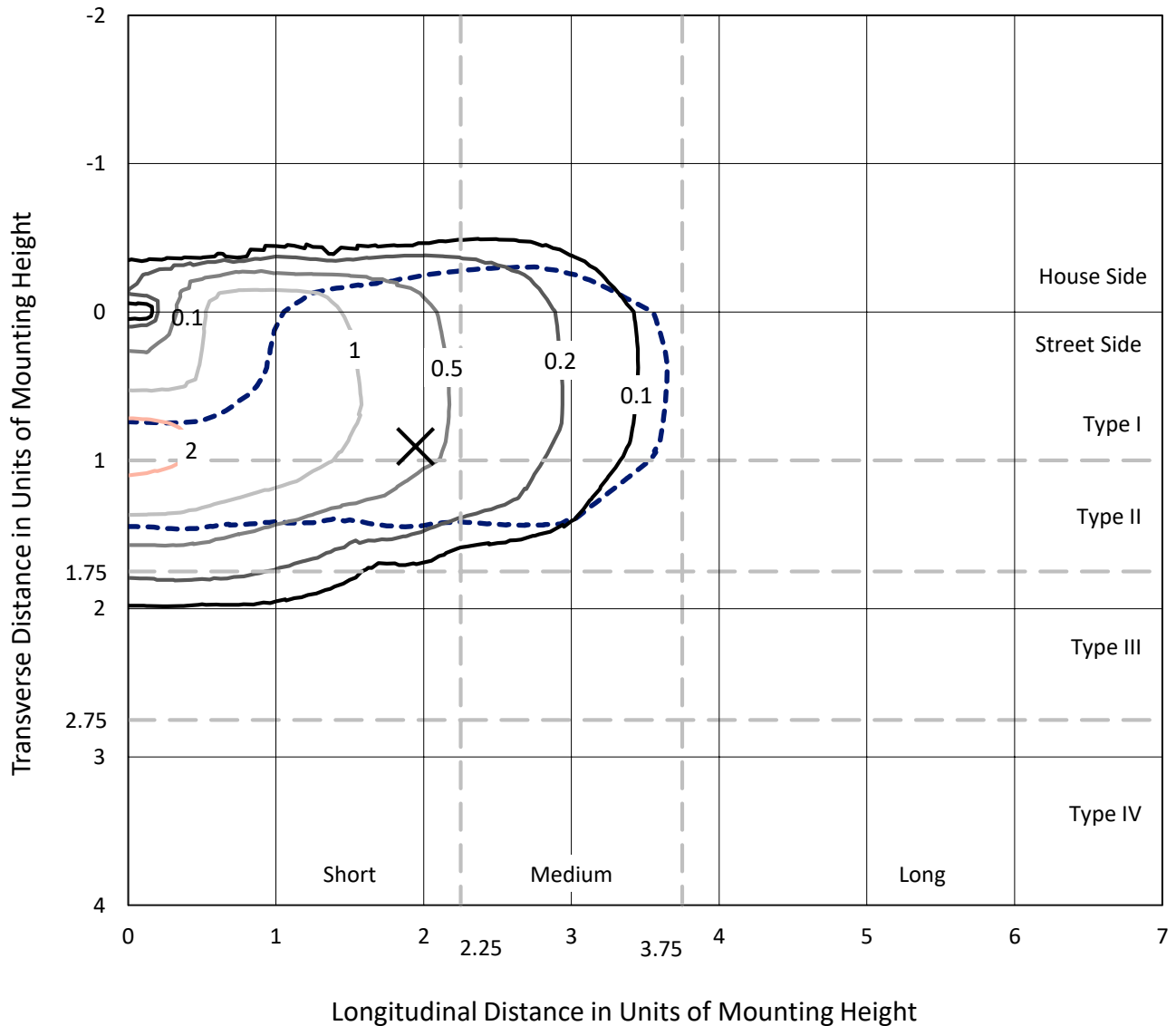
Input Watts (W): 74  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

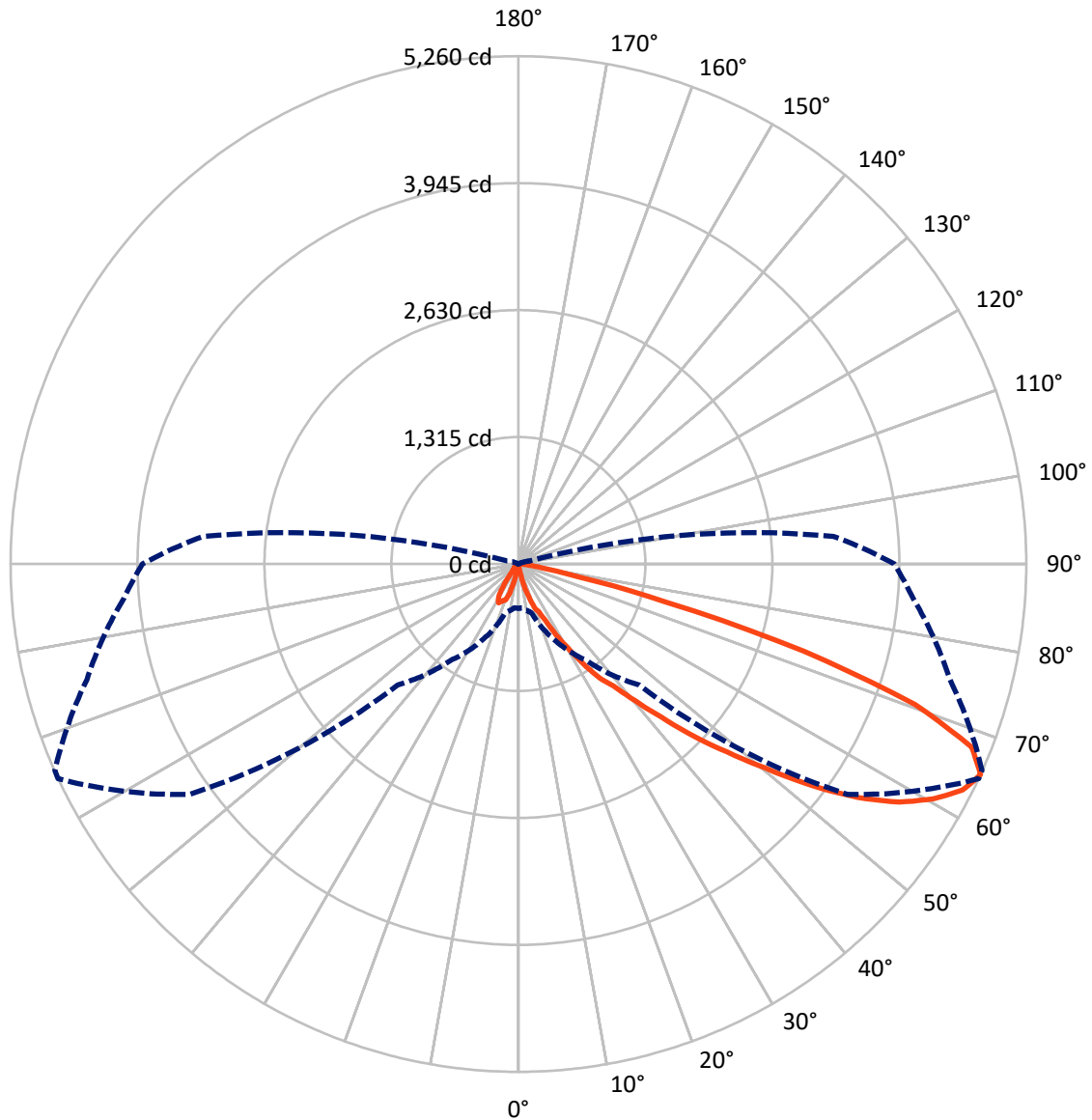
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.5 fc  
 Type II - Short - Full Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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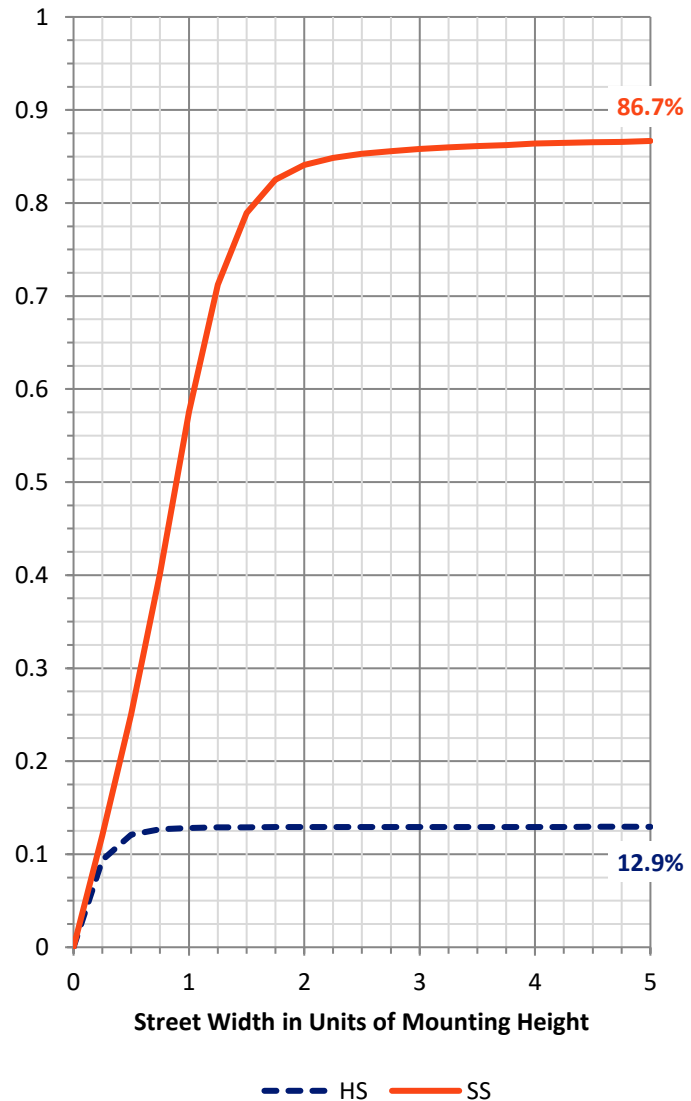
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	811.5	0.0	811.5
	% Fixture	13.1	0.0	13.1
<b>Street Side</b>	Lumens	5373.5	0.0	5373.5
	% Fixture	86.9	0.0	86.9
<b>Total</b>	Lumens	6185.0	0.0	6185.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	4.9	0.1
10°-20°	64.3	1.0
20°-30°	218.1	3.5
30°-40°	613.7	9.9
40°-50°	1361.6	22.0
50°-60°	1825.8	29.5
60°-70°	1454.5	23.5
70°-80°	599.2	9.7
80°-90°	42.9	0.7
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°	6185.0	100.0
0°-180°	6185.0	100.0



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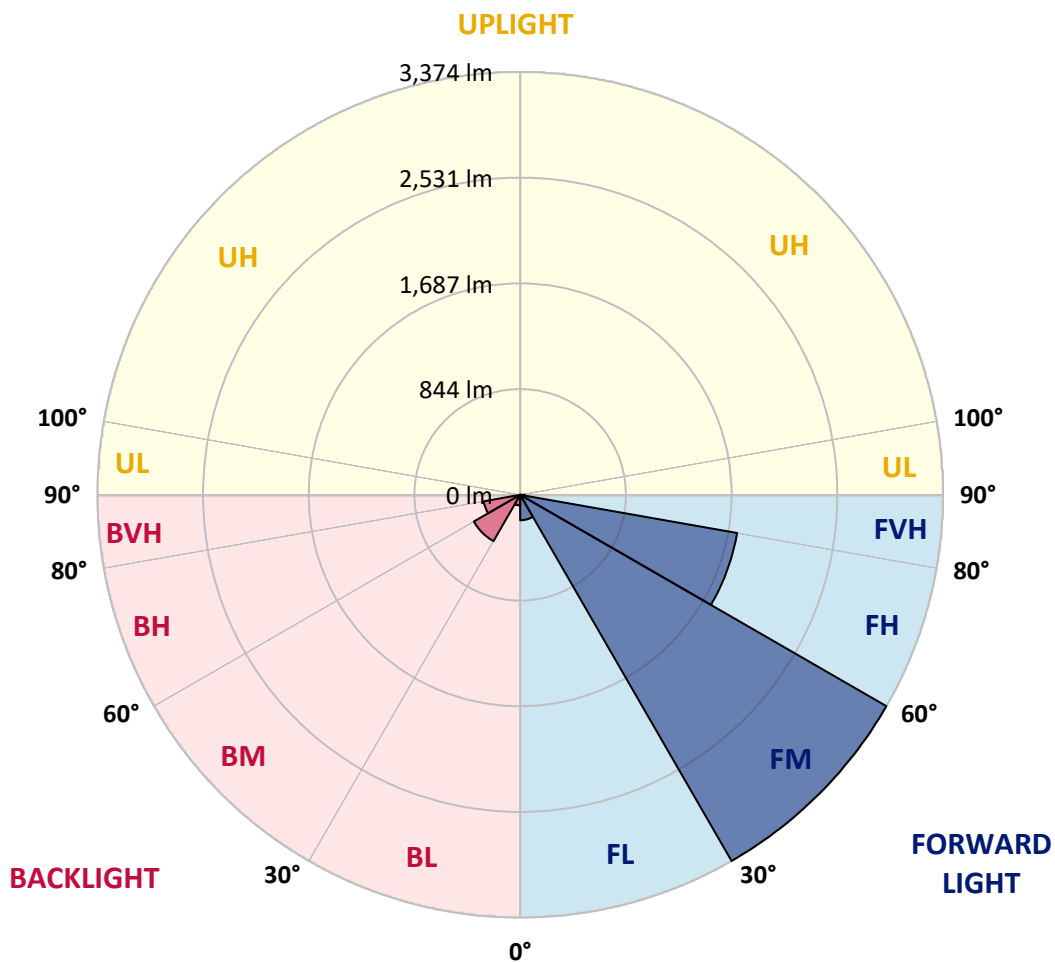
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	202.9	3.3			
FM	(30°-60°)	3374.3	54.6			
FH	(60°-80°)	1758.1	28.4			G1/1800
FVH	(80°-90°)	38.2	0.6			G1/100
BL	(0°-30°)	84.4	1.4	B0/110		
BM	(30°-60°)	426.8	6.9	B1/1000		
BH	(60°-80°)	295.6	4.8	B1/500		G1/500
BVH	(80°-90°)	4.7	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G1**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
2.5°	0.9	0.9	0.9	2.7	2.7	2.7	2.7	1.8	1.8	1.8	1.8
5°	26.5	24.7	18.3	10.1	5.5	3.7	2.7	1.8	1.8	1.8	1.8
7.5°	184.8	183.9	183.9	185.7	186.6	66.8	6.4	2.7	2.7	1.8	1.8
10°	177.5	176.6	176.6	179.3	182.1	183.0	175.7	4.6	3.7	1.8	1.8
12.5°	331.2	325.7	207.7	182.1	177.5	179.3	180.2	155.5	72.3	111.6	138.1
15°	332.1	329.4	332.1	336.7	269.0	187.6	273.6	267.1	267.1	196.7	269.9
17.5°	335.8	332.1	333.9	340.3	330.3	387.9	366.0	378.8	378.8	280.0	298.3
20°	495.9	495.0	502.3	367.8	410.8	481.2	398.9	489.5	498.6	416.3	430.9
22.5°	505.9	505.0	516.9	515.1	504.1	516.9	583.7	536.1	538.9	629.4	569.1
25°	704.5	688.0	558.1	548.0	662.4	613.9	699.9	645.9	640.4	761.2	721.8
27.5°	806.0	798.7	806.9	782.2	701.7	753.0	757.5	831.6	794.1	871.9	889.3
30°	979.8	984.4	943.3	902.1	919.5	873.7	911.2	1011.0	1006.4	988.1	1121.7
32.5°	1564.5	1516.9	1436.4	1118.0	1047.5	1014.6	1118.9	1231.4	1185.7	1253.4	1387.0
35°	2070.4	1964.3	1830.7	1603.8	1301.0	1213.1	1340.3	1451.0	1422.7	1559.0	1550.7
37.5°	2913.9	2864.5	2633.1	2053.9	1752.0	1513.2	1574.5	1601.1	1634.0	1789.5	1785.9
40°	3412.5	3355.8	3192.1	2733.7	2211.3	1877.4	1850.8	1864.5	1875.5	2032.0	2042.9
42.5°	3831.6	3805.9	3646.8	3207.6	2780.4	2467.5	2219.5	2165.5	2185.7	2343.9	2322.9
45°	4116.1	4085.9	3942.3	3635.8	3281.7	3120.7	2647.7	2542.5	2548.0	2635.8	2619.3
47.5°	4178.3	4142.6	4078.6	3908.4	3788.6	3657.7	3183.8	2906.6	2968.8	2973.4	2917.6
50°	3956.9	3913.0	3967.0	3926.7	4109.7	4175.6	3726.3	3331.1	3438.2	3340.3	3185.6
52.5°	3408.9	3422.6	3589.1	3710.8	4121.6	4537.9	4309.1	3817.8	3890.1	3643.1	3439.1
55°	2707.2	2741.0	3016.4	3239.6	3841.6	4639.4	4730.9	4268.9	4297.2	3965.1	3644.0
57.5°	1993.5	2039.3	2377.8	2626.6	3299.1	4420.7	4937.7	4652.2	4708.0	4197.5	3786.7
60°	1226.9	1269.0	1652.3	2031.1	2532.4	3792.2	4965.1	4939.5	5003.5	4361.3	3930.4
62.5°	747.5	783.1	950.6	1410.8	1819.7	2866.4	4736.4	5160.0	5192.0	4526.9	4033.8
65°	460.2	453.8	521.5	857.3	1214.1	1772.1	4158.2	5259.7	5256.0	4626.6	4103.3
67.5°	304.7	310.1	335.8	471.2	827.1	957.9	2981.6	5063.9	5045.6	4675.1	4075.8
70°	269.9	271.7	297.3	333.9	595.6	558.1	1505.0	4359.5	4333.8	4544.3	3904.8
72.5°	211.3	217.7	259.8	302.8	430.0	409.0	567.2	3087.8	3120.7	3862.7	3436.3
75°	150.0	154.6	196.7	264.4	321.1	312.9	320.2	1591.9	1688.9	2564.4	2517.8
77.5°	94.2	97.9	127.2	195.8	272.6	230.6	224.1	624.9	699.9	1254.3	1259.8
80°	65.0	65.9	78.7	131.7	195.8	189.4	151.9	249.8	252.5	454.7	436.4
82.5°	38.4	38.4	52.1	81.4	119.9	154.6	97.9	125.3	129.9	168.3	96.1
85°	13.7	14.6	28.4	46.7	66.8	81.4	58.6	68.6	71.4	86.9	45.7
87.5°	0.9	1.8	9.1	14.6	18.3	16.5	19.2	21.0	23.8	28.4	16.5
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°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
2.5°	1.8	1.8	2.7	2.7	2.7	1.8	0.9	0.9	0.9	0.9	0.9
5°	1.8	1.8	2.7	2.7	2.7	1.8	0.9	0.9	0.9	0.9	0.9
7.5°	1.8	1.8	2.7	2.7	2.7	1.8	25.6	142.7	149.1	153.7	154.6
10°	5.5	3.7	2.7	2.7	2.7	148.2	153.7	150.0	147.3	144.6	145.5
12.5°	140.0	140.0	127.2	82.3	138.1	151.9	143.6	134.5	127.2	118.9	119.9
15°	269.0	267.1	236.0	203.1	232.4	149.1	123.5	163.8	140.0	123.5	120.8
17.5°	299.2	290.0	253.4	323.9	288.2	170.2	142.7	97.0	69.5	63.1	62.2
20°	430.9	419.0	369.6	392.5	263.5	196.7	86.0	54.9	49.4	59.5	61.3
22.5°	554.4	538.0	462.0	406.2	296.4	120.8	60.4	60.4	59.5	57.6	56.7
25°	712.7	683.4	619.4	425.4	235.1	79.6	65.9	54.0	48.5	44.8	44.8
27.5°	875.5	836.2	710.0	452.9	154.6	74.1	58.6	45.7	48.5	46.7	46.7
30°	1113.4	1059.4	827.1	423.6	100.6	68.6	49.4	44.8	39.3	37.5	36.6
32.5°	1359.5	1260.7	942.3	368.7	79.6	58.6	45.7	36.6	35.7	36.6	36.6
35°	1516.9	1424.5	1066.8	268.1	69.5	51.2	37.5	33.9	31.1	30.2	30.2
37.5°	1705.4	1591.0	1077.7	173.8	60.4	42.1	32.0	28.4	28.4	29.3	29.3
40°	1931.3	1806.0	1033.8	107.0	52.1	34.8	27.4	25.6	24.7	24.7	24.7
42.5°	2184.8	2026.5	972.5	80.5	43.9	29.3	22.9	22.0	21.0	21.0	21.0
45°	2455.6	2248.8	888.4	66.8	36.6	24.7	19.2	18.3	18.3	17.4	17.4
47.5°	2736.4	2486.7	761.2	58.6	30.2	20.1	16.5	15.6	14.6	14.6	14.6
50°	2977.1	2704.4	605.7	50.3	25.6	17.4	12.8	11.9	11.9	11.0	11.0
52.5°	3195.7	2889.2	480.3	43.0	21.0	13.7	10.1	9.1	9.1	8.2	8.2
55°	3364.1	3026.5	358.6	35.7	17.4	11.0	7.3	6.4	6.4	5.5	6.4
57.5°	3505.9	3110.6	271.7	29.3	14.6	8.2	5.5	4.6	3.7	3.7	3.7
60°	3640.3	3178.3	200.4	22.9	11.9	6.4	3.7	2.7	1.8	1.8	1.8
62.5°	3784.9	3238.7	158.3	18.3	10.1	4.6	1.8	1.8	0.0	0.0	0.0
65°	3893.8	3276.2	122.6	14.6	8.2	2.7	1.8	0.9	0.0	0.0	0.0
67.5°	3897.4	3228.6	96.1	11.9	7.3	2.7	0.9	0.0	0.0	0.0	0.0
70°	3757.5	3026.5	71.4	11.0	6.4	2.7	1.8	0.9	0.0	0.0	0.0
72.5°	3256.1	2376.0	51.2	9.1	5.5	2.7	1.8	0.9	0.9	0.0	0.0
75°	2354.9	1404.4	35.7	8.2	5.5	2.7	2.7	1.8	1.8	1.8	0.0
77.5°	1207.7	583.7	23.8	7.3	4.6	1.8	3.7	2.7	2.7	2.7	0.9
80°	354.1	201.3	14.6	6.4	4.6	1.8	3.7	3.7	3.7	3.7	0.9
82.5°	67.7	39.3	9.1	6.4	4.6	1.8	3.7	3.7	3.7	4.6	0.0
85°	26.5	15.6	6.4	5.5	4.6	1.8	3.7	3.7	4.6	4.6	0.0
87.5°	9.1	7.3	5.5	4.6	4.6	1.8	3.7	3.7	3.7	4.6	0.9
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)