

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: P416037

Luminaire Tested: **LXF.LXT-PA1-60-760-U-T2U-HSS**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P416037  
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-PA1-60-760-U-T2U-HSS  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 5700K, 800mA 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: 5514 lumens  
Efficiency: N/A  
Efficacy: 86.2 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

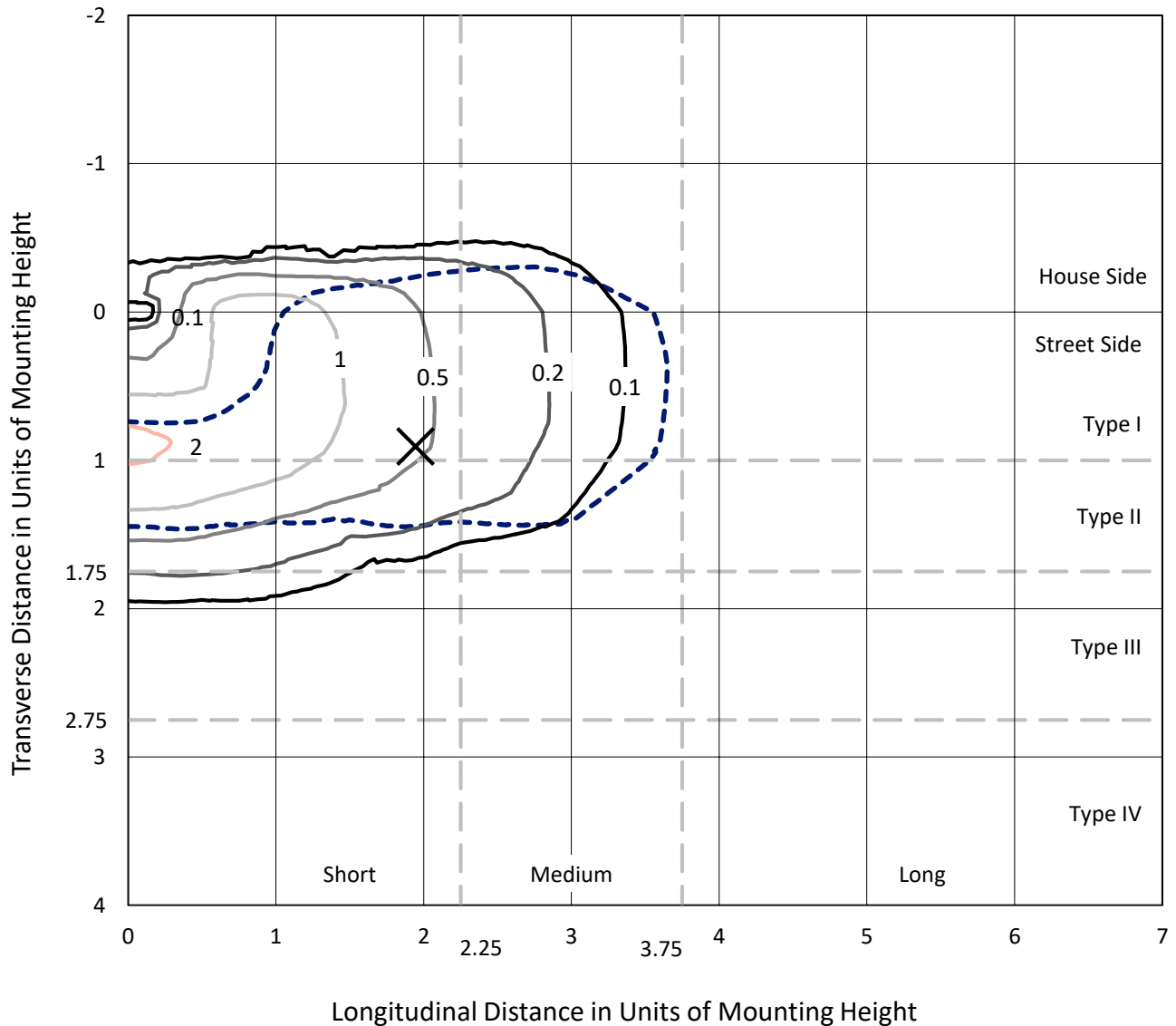
Input Watts (W): 64  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

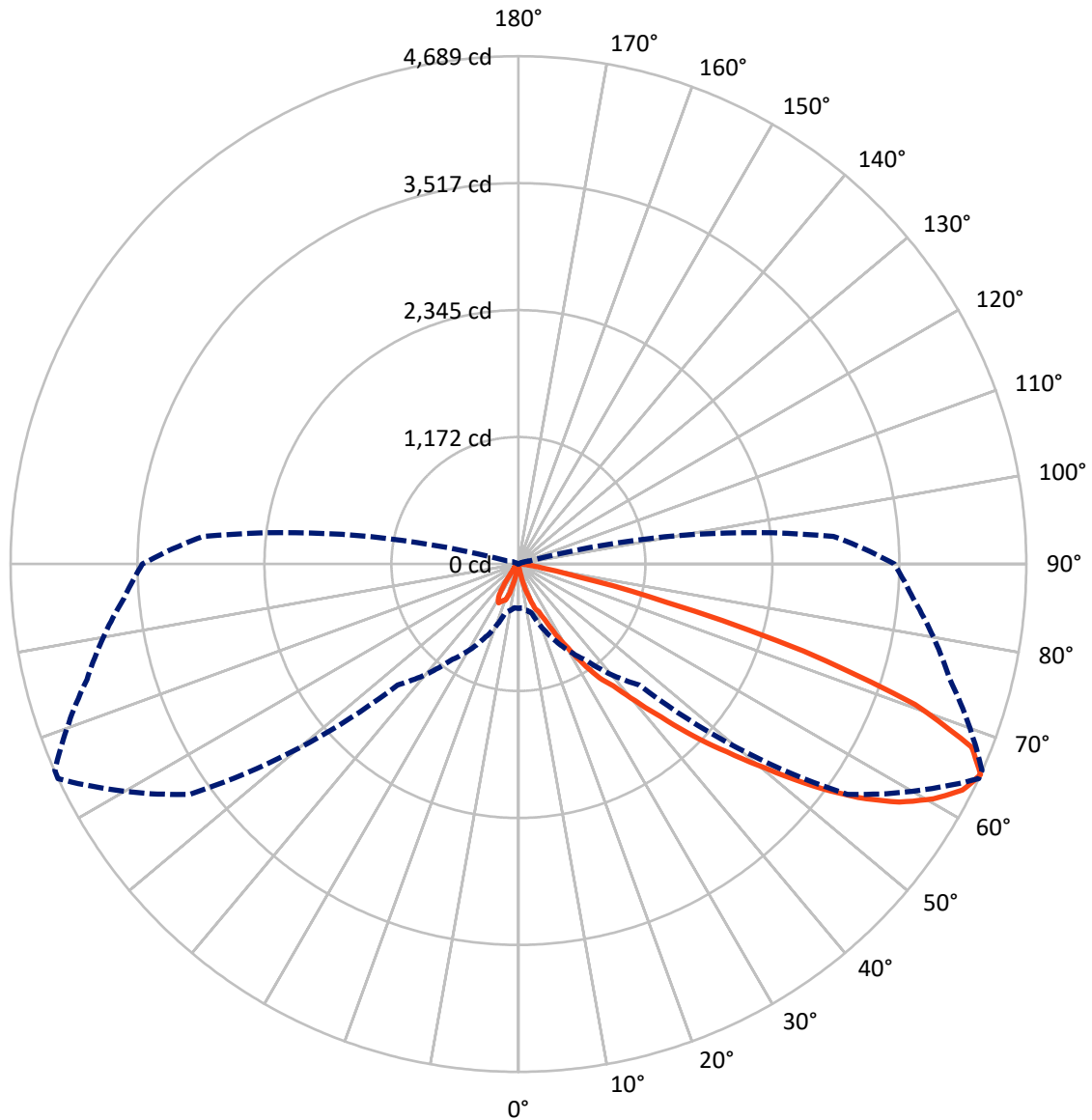
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.2 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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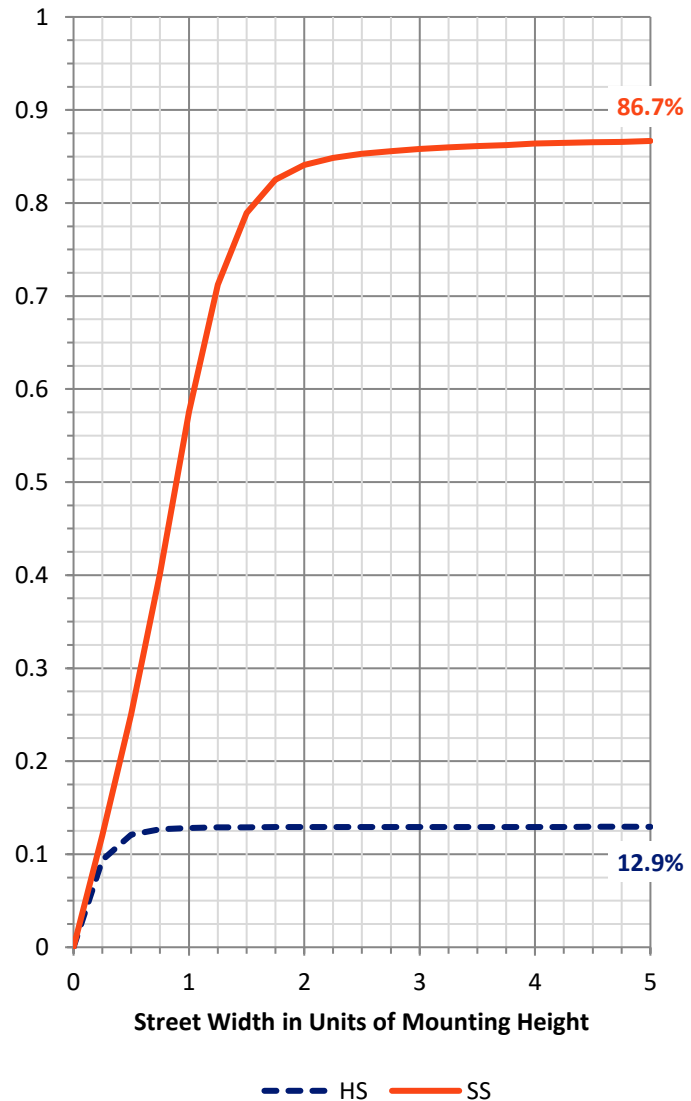
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	723.5	0.0	723.5
	% Fixture	13.1	0.0	13.1
<b>Street Side</b>	Lumens	4790.5	0.0	4790.5
	% Fixture	86.9	0.0	86.9
<b>Total</b>	Lumens	5514.0	0.0	5514.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	4.3	0.1
10°-20°	57.3	1.0
20°-30°	194.5	3.5
30°-40°	547.1	9.9
40°-50°	1213.9	22.0
50°-60°	1627.7	29.5
60°-70°	1296.7	23.5
70°-80°	534.2	9.7
80°-90°	38.3	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°	5514.0	100.0
0°-180°	5514.0	100.0



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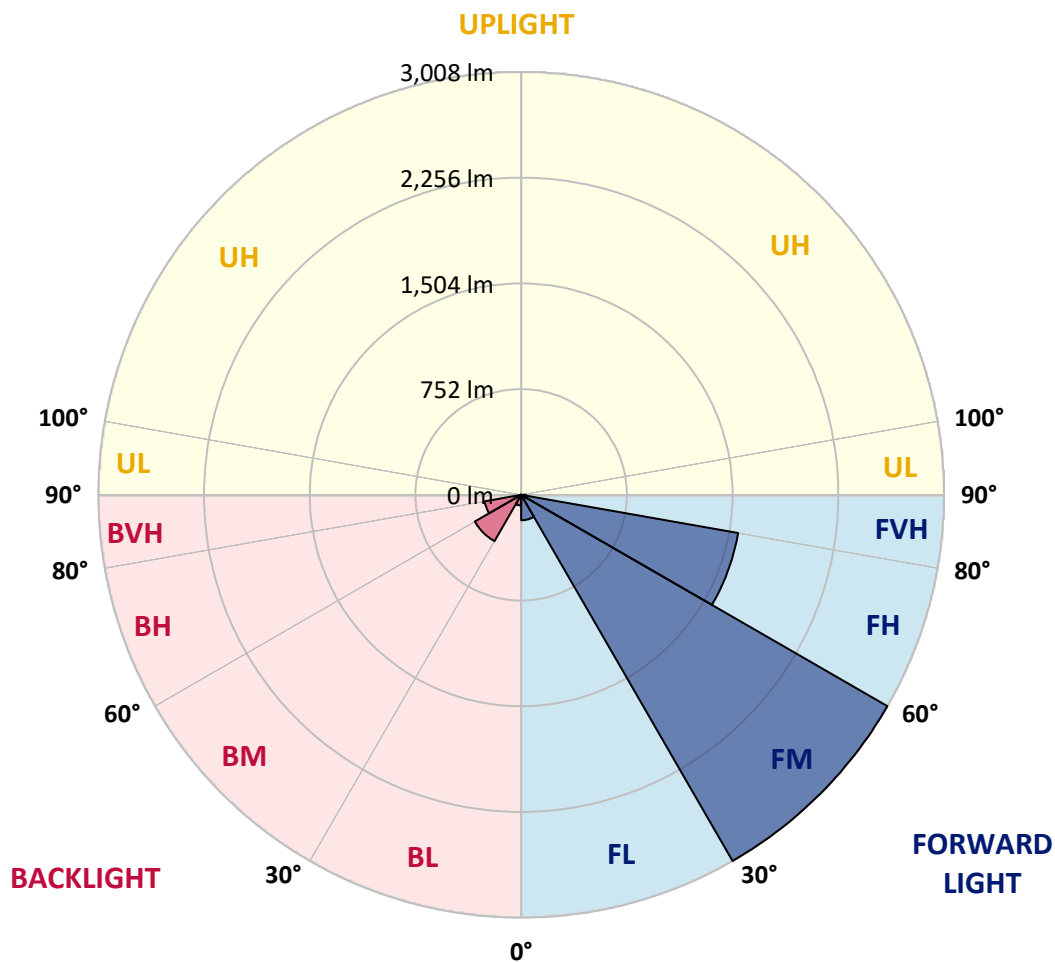
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	180.9	3.3			
FM	(30°-60°)	3008.2	54.6			
FH	(60°-80°)	1567.4	28.4			G1/1800
FVH	(80°-90°)	34.0	0.6			G1/100
BL	(0°-30°)	75.3	1.4	B0/110		
BM	(30°-60°)	380.5	6.9	B1/1000		
BH	(60°-80°)	263.5	4.8	B1/500		G1/500
BVH	(80°-90°)	4.2	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°	1.6	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	2.4	2.4	2.4	2.4	1.6	1.6	1.6	1.6
5°	23.7	22.0	16.3	9.0	4.9	3.3	2.4	1.6	1.6	1.6	1.6
7.5°	164.8	163.9	163.9	165.6	166.4	59.5	5.7	2.4	2.4	1.6	1.6
10°	158.2	157.4	157.4	159.9	162.3	163.1	156.6	4.1	3.3	1.6	1.6
12.5°	295.3	290.4	185.1	162.3	158.2	159.9	160.7	138.7	64.4	99.5	123.2
15°	296.1	293.6	296.1	300.2	239.8	167.2	243.9	238.2	238.2	175.4	240.6
17.5°	299.3	296.1	297.7	303.4	294.4	345.8	326.3	337.7	337.7	249.6	265.9
20°	442.1	441.3	447.8	327.9	366.2	429.0	355.6	436.4	444.5	371.1	384.2
22.5°	451.0	450.2	460.8	459.2	449.4	460.8	520.4	478.0	480.4	561.2	507.3
25°	628.0	613.4	497.5	488.6	590.5	547.3	624.0	575.8	570.9	678.6	643.5
27.5°	718.6	712.0	719.4	697.4	625.6	671.3	675.3	741.4	708.0	777.3	792.8
30°	873.5	877.6	840.9	804.2	819.7	778.9	812.4	901.3	897.2	880.9	1000.0
32.5°	1394.7	1352.3	1280.5	996.7	933.9	904.5	997.5	1097.8	1057.1	1117.4	1236.5
35°	1845.8	1751.2	1632.1	1429.8	1159.8	1081.5	1194.9	1293.6	1268.3	1389.8	1382.5
37.5°	2597.8	2553.8	2347.4	1831.1	1561.9	1349.1	1403.7	1427.4	1456.7	1595.4	1592.1
40°	3042.3	2991.7	2845.8	2437.1	1971.4	1673.7	1650.0	1662.3	1672.1	1811.5	1821.3
42.5°	3415.9	3393.0	3251.1	2859.6	2478.7	2199.8	1978.7	1930.6	1948.6	2089.7	2070.9
45°	3669.5	3642.6	3514.6	3241.3	2925.7	2782.1	2360.4	2266.7	2271.5	2349.8	2335.2
47.5°	3725.0	3693.2	3636.1	3484.4	3377.5	3260.9	2838.4	2591.3	2646.7	2650.8	2601.1
50°	3527.6	3488.5	3536.6	3500.7	3663.8	3722.6	3322.1	2969.7	3065.2	2977.9	2840.0
52.5°	3039.1	3051.3	3199.7	3308.2	3674.4	4045.6	3841.6	3403.6	3468.1	3247.9	3066.0
55°	2413.5	2443.6	2689.1	2888.2	3424.9	4136.1	4217.6	3805.8	3831.0	3535.0	3248.7
57.5°	1777.3	1818.1	2119.8	2341.7	2941.2	3941.1	4402.0	4147.5	4197.3	3742.1	3375.9
60°	1093.8	1131.3	1473.0	1810.7	2257.7	3380.8	4426.5	4403.6	4460.7	3888.1	3504.0
62.5°	666.4	698.2	847.4	1257.7	1622.3	2555.4	4222.5	4600.2	4628.7	4035.8	3596.1
65°	410.3	404.6	464.9	764.3	1082.3	1579.9	3707.1	4689.1	4685.8	4124.7	3658.1
67.5°	271.6	276.5	299.3	420.1	737.3	854.0	2658.2	4514.5	4498.2	4167.9	3633.7
70°	240.6	242.2	265.1	297.7	531.0	497.5	1341.7	3886.5	3863.7	4051.3	3481.1
72.5°	188.4	194.1	231.6	270.0	383.3	364.6	505.7	2752.8	2782.1	3443.6	3063.5
75°	133.8	137.8	175.4	235.7	286.3	278.9	285.5	1419.2	1505.7	2286.2	2244.6
77.5°	84.0	87.3	113.4	174.5	243.1	205.5	199.8	557.1	624.0	1118.2	1123.1
80°	57.9	58.7	70.1	117.5	174.5	168.8	135.4	222.7	225.1	405.4	389.1
82.5°	34.3	34.3	46.5	72.6	106.8	137.8	87.3	111.7	115.8	150.1	85.6
85°	12.2	13.1	25.3	41.6	59.5	72.6	52.2	61.2	63.6	77.5	40.8
87.5°	0.8	1.6	8.2	13.1	16.3	14.7	17.1	18.8	21.2	25.3	14.7
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°	1.6	1.6	2.4	2.4	2.4	1.6	0.8	0.8	0.8	0.8	0.8
5°	1.6	1.6	2.4	2.4	2.4	1.6	0.8	0.8	0.8	0.8	0.8
7.5°	1.6	1.6	2.4	2.4	2.4	1.6	22.8	127.2	132.9	137.0	137.8
10°	4.9	3.3	2.4	2.4	2.4	132.1	137.0	133.8	131.3	128.9	129.7
12.5°	124.8	124.8	113.4	73.4	123.2	135.4	128.1	119.9	113.4	106.0	106.8
15°	239.8	238.2	210.4	181.1	207.2	132.9	110.1	146.0	124.8	110.1	107.7
17.5°	266.7	258.6	225.9	288.7	256.9	151.7	127.2	86.5	62.0	56.3	55.5
20°	384.2	373.6	329.5	349.9	234.9	175.4	76.7	48.9	44.0	53.0	54.6
22.5°	494.3	479.6	411.9	362.1	264.3	107.7	53.8	53.8	53.0	51.4	50.6
25°	635.4	609.3	552.2	379.3	209.6	71.0	58.7	48.1	43.2	40.0	40.0
27.5°	780.6	745.5	632.9	403.7	137.8	66.1	52.2	40.8	43.2	41.6	41.6
30°	992.6	944.5	737.3	377.6	89.7	61.2	44.0	40.0	35.1	33.4	32.6
32.5°	1212.0	1123.9	840.1	328.7	71.0	52.2	40.8	32.6	31.8	32.6	32.6
35°	1352.3	1269.9	951.0	239.0	62.0	45.7	33.4	30.2	27.7	26.9	26.9
37.5°	1520.3	1418.4	960.8	155.0	53.8	37.5	28.5	25.3	25.3	26.1	26.1
40°	1721.8	1610.1	921.7	95.4	46.5	31.0	24.5	22.8	22.0	22.0	22.0
42.5°	1947.7	1806.6	867.0	71.8	39.2	26.1	20.4	19.6	18.8	18.8	18.8
45°	2189.2	2004.8	792.0	59.5	32.6	22.0	17.1	16.3	16.3	15.5	15.5
47.5°	2439.6	2216.9	678.6	52.2	26.9	17.9	14.7	13.9	13.1	13.1	13.1
50°	2654.1	2411.0	540.0	44.9	22.8	15.5	11.4	10.6	10.6	9.8	9.8
52.5°	2849.0	2575.8	428.2	38.3	18.8	12.2	9.0	8.2	8.2	7.3	7.3
55°	2999.1	2698.1	319.7	31.8	15.5	9.8	6.5	5.7	5.7	4.9	5.7
57.5°	3125.5	2773.2	242.2	26.1	13.1	7.3	4.9	4.1	3.3	3.3	3.3
60°	3245.4	2833.5	178.6	20.4	10.6	5.7	3.3	2.4	1.6	1.6	1.6
62.5°	3374.3	2887.3	141.1	16.3	9.0	4.1	1.6	1.6	0.0	0.0	0.0
65°	3471.3	2920.8	109.3	13.1	7.3	2.4	1.6	0.8	0.0	0.0	0.0
67.5°	3474.6	2878.4	85.6	10.6	6.5	2.4	0.8	0.0	0.0	0.0	0.0
70°	3349.8	2698.1	63.6	9.8	5.7	2.4	1.6	0.8	0.0	0.0	0.0
72.5°	2902.8	2118.2	45.7	8.2	4.9	2.4	1.6	0.8	0.8	0.0	0.0
75°	2099.4	1252.0	31.8	7.3	4.9	2.4	2.4	1.6	1.6	1.6	0.0
77.5°	1076.6	520.4	21.2	6.5	4.1	1.6	3.3	2.4	2.4	2.4	0.8
80°	315.7	179.4	13.1	5.7	4.1	1.6	3.3	3.3	3.3	3.3	0.8
82.5°	60.4	35.1	8.2	5.7	4.1	1.6	3.3	3.3	3.3	4.1	0.0
85°	23.7	13.9	5.7	4.9	4.1	1.6	3.3	3.3	4.1	4.1	0.0
87.5°	8.2	6.5	4.9	4.1	4.1	1.6	3.3	3.3	3.3	4.1	0.8
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)