

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: P417181

Luminaire Tested: **LXF.LXT-PA1-90-740-U-T2U-HSS**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P417181  
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-PA1-90-740-U-T2U-HSS  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 4000K, 1180mA 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: 7288 lumens  
Efficiency: N/A  
Efficacy: 77.5 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 - G2

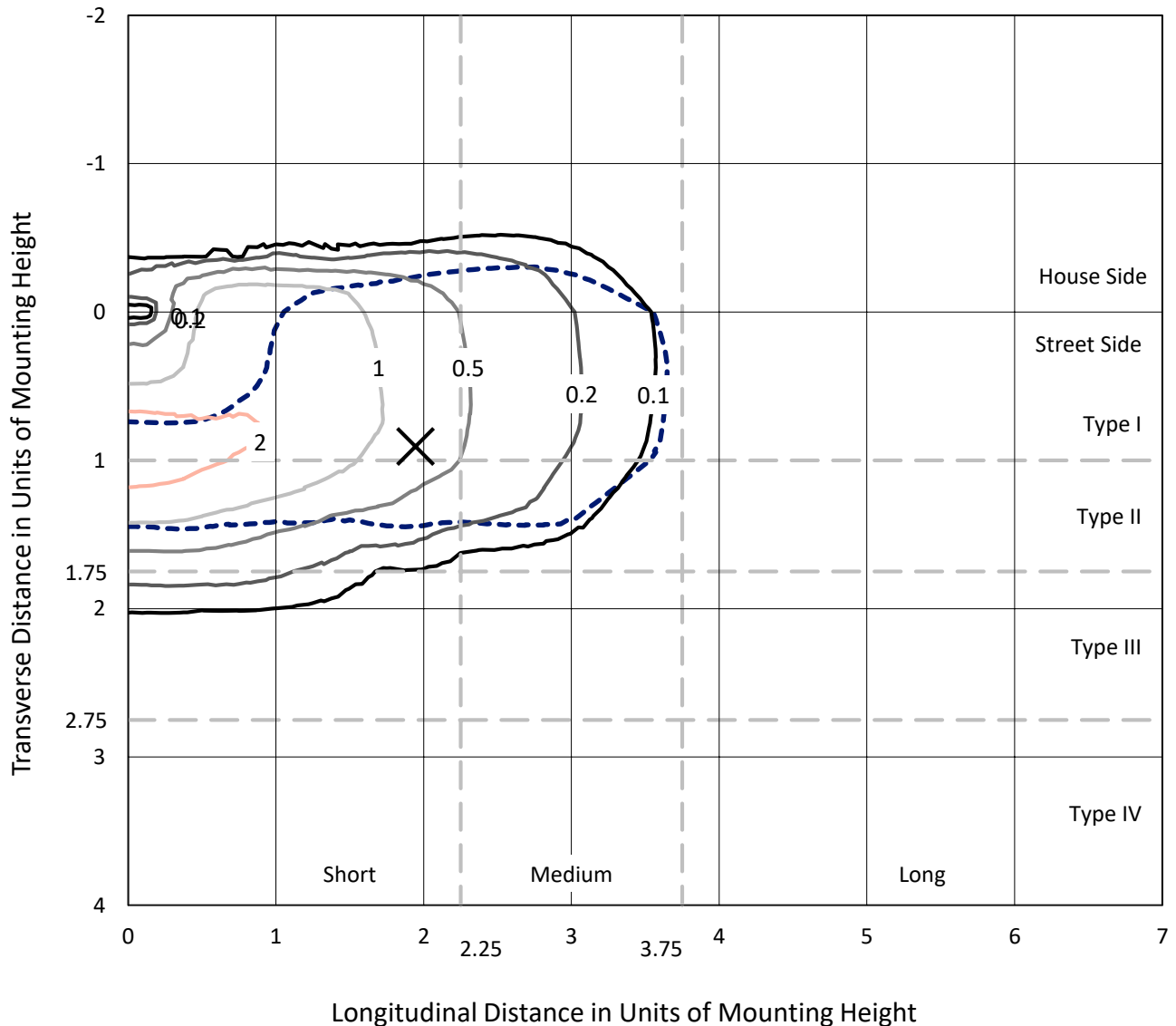
Input Watts (W): 94  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

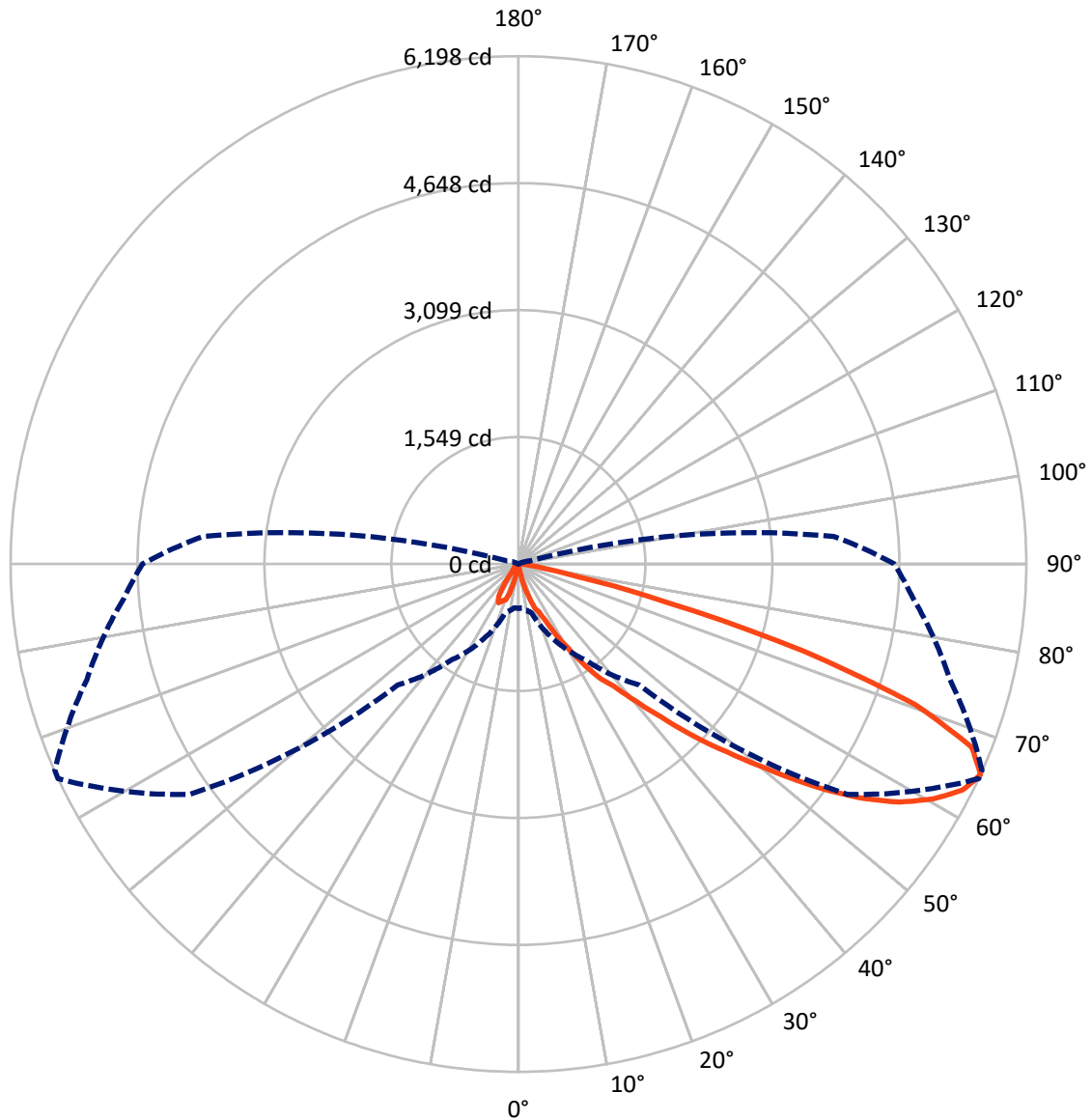
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.9 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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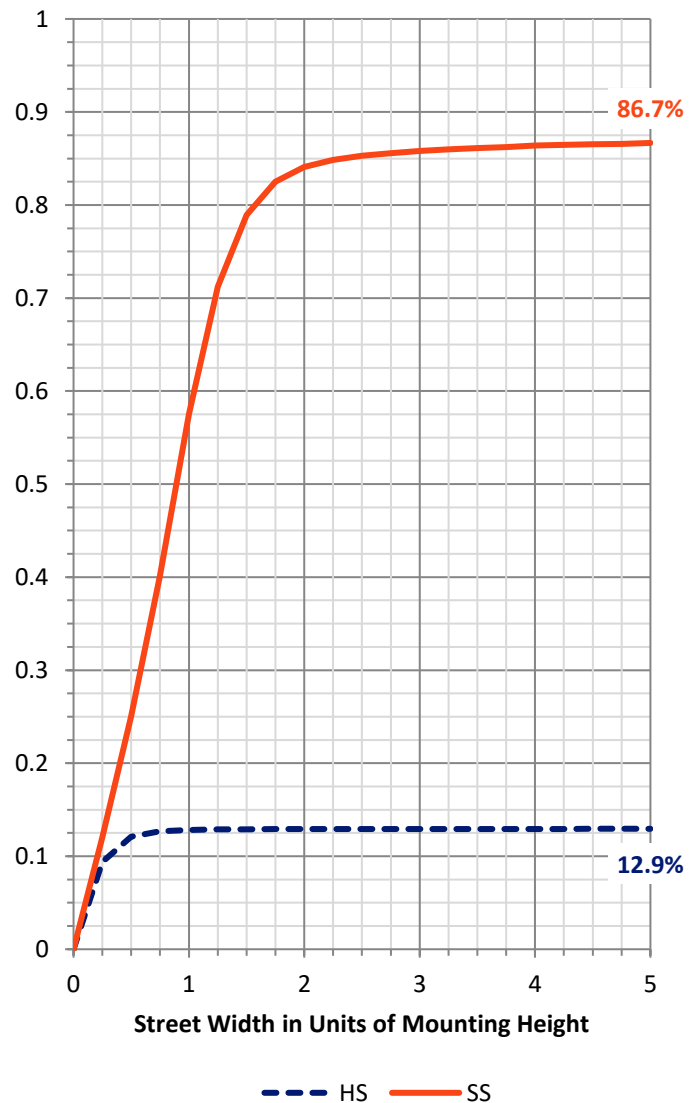
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	956.3	0.0	956.3
	% Fixture	13.1	0.0	13.1
<b>Street Side</b>	Lumens	6331.7	0.0	6331.7
	% Fixture	86.9	0.0	86.9
<b>Total</b>	Lumens	7288.0	0.0	7288.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	5.7	0.1
10°-20°	75.7	1.0
20°-30°	257.0	3.5
30°-40°	723.1	9.9
40°-50°	1604.4	22.0
50°-60°	2151.4	29.5
60°-70°	1713.9	23.5
70°-80°	706.1	9.7
80°-90°	50.6	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°	7288.0	100.0
0°-180°	7288.0	100.0

**Coefficient of Utilization**



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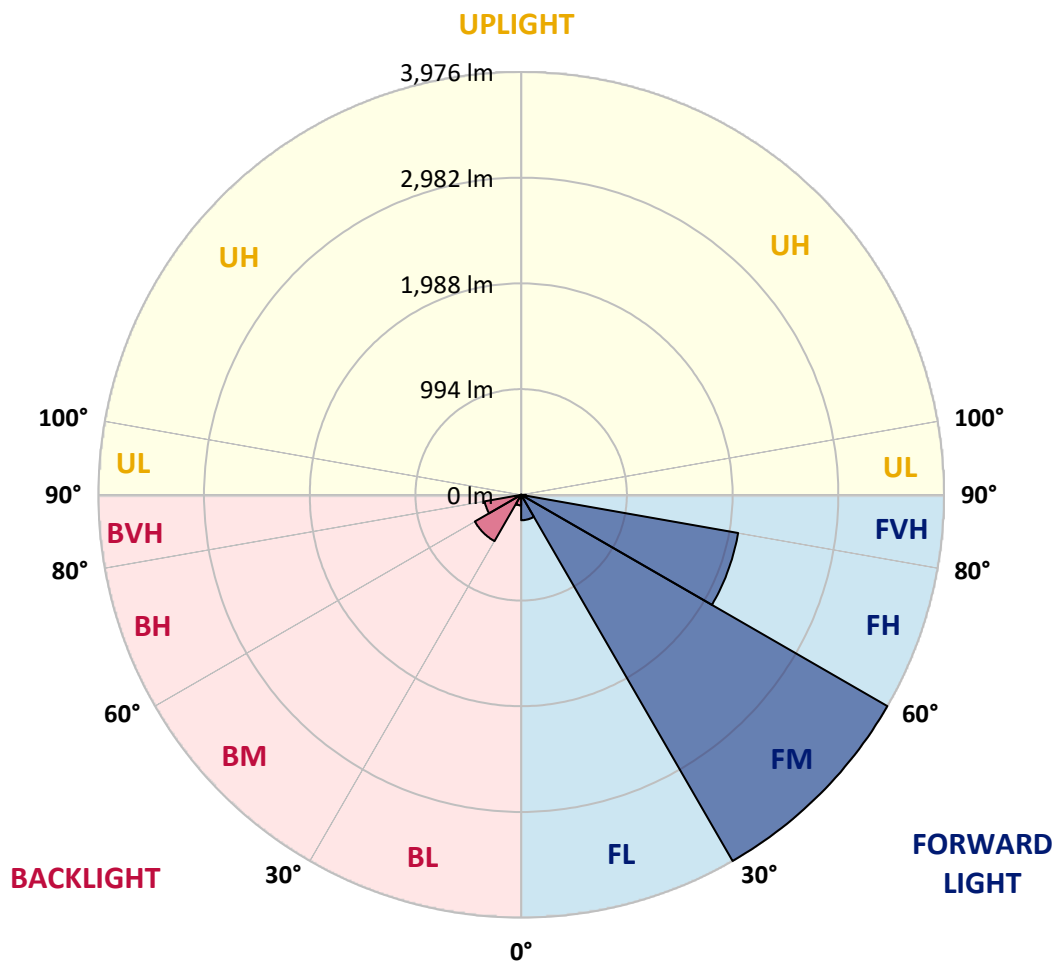
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	239.0	3.3			
FM	(30°-60°)	3976.1	54.6			
FH	(60°-80°)	2071.7	28.4			G2/5000
FVH	(80°-90°)	45.0	0.6			G1/100
BL	(0°-30°)	99.5	1.4	B0/110		
BM	(30°-60°)	502.9	6.9	B1/1000		
BH	(60°-80°)	348.3	4.8	B1/500		G1/500
BVH	(80°-90°)	5.6	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-G2**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
2.5°	1.1	1.1	1.1	3.2	3.2	3.2	3.2	2.2	2.2	2.2	2.2
5°	31.3	29.1	21.6	11.9	6.5	4.3	3.2	2.2	2.2	2.2	2.2
7.5°	217.8	216.7	216.7	218.8	219.9	78.7	7.5	3.2	3.2	2.2	2.2
10°	209.1	208.1	208.1	211.3	214.5	215.6	207.0	5.4	4.3	2.2	2.2
12.5°	390.3	383.8	244.7	214.5	209.1	211.3	212.4	183.3	85.2	131.5	162.8
15°	391.3	388.1	391.3	396.7	316.9	221.0	322.3	314.8	314.8	231.8	318.0
17.5°	395.6	391.3	393.5	401.0	389.2	457.1	431.2	446.3	446.3	329.9	351.4
20°	584.3	583.2	591.8	433.4	484.0	567.1	470.0	576.8	587.5	490.5	507.8
22.5°	596.2	595.1	609.1	606.9	594.0	609.1	687.8	631.7	635.0	741.7	670.5
25°	830.1	810.7	657.6	645.7	780.5	723.4	824.7	761.1	754.6	896.9	850.6
27.5°	949.8	941.1	950.8	921.7	826.9	887.2	892.6	979.9	935.7	1027.4	1047.9
30°	1154.6	1160.0	1111.5	1063.0	1083.4	1029.5	1073.7	1191.2	1185.9	1164.3	1321.7
32.5°	1843.5	1787.4	1692.5	1317.4	1234.4	1195.6	1318.5	1451.1	1397.1	1476.9	1634.3
35°	2439.6	2314.6	2157.2	1889.8	1533.0	1429.5	1579.3	1709.8	1676.4	1837.0	1827.3
37.5°	3433.6	3375.4	3102.6	2420.2	2064.5	1783.1	1855.3	1886.6	1925.4	2108.7	2104.3
40°	4021.1	3954.3	3761.3	3221.2	2605.6	2212.2	2180.9	2197.1	2210.0	2394.3	2407.3
42.5°	4514.9	4484.7	4297.1	3779.6	3276.2	2907.5	2615.3	2551.7	2575.5	2762.0	2737.2
45°	4850.1	4814.6	4645.3	4284.2	3867.0	3677.2	3119.9	2995.9	3002.4	3105.9	3086.4
47.5°	4923.4	4881.4	4805.9	4605.4	4464.2	4310.0	3751.6	3425.0	3498.3	3503.7	3437.9
50°	4662.6	4610.8	4674.4	4627.0	4842.6	4920.2	4390.9	3925.2	4051.3	3935.9	3753.8
52.5°	4016.8	4033.0	4229.2	4372.6	4856.6	5347.1	5077.6	4498.7	4583.9	4292.8	4052.4
55°	3189.9	3229.8	3554.3	3817.4	4526.7	5466.8	5574.6	5030.2	5063.6	4672.3	4293.9
57.5°	2349.1	2403.0	2801.8	3095.1	3887.4	5209.1	5818.2	5481.9	5547.6	4946.1	4462.0
60°	1445.7	1495.3	1947.0	2393.3	2984.0	4468.5	5850.6	5820.4	5895.8	5139.0	4631.3
62.5°	880.8	922.8	1120.1	1662.3	2144.2	3377.5	5581.0	6080.2	6117.9	5334.2	4753.1
65°	542.3	534.7	614.5	1010.1	1430.6	2088.2	4899.7	6197.7	6193.4	5451.7	4835.0
67.5°	359.0	365.5	395.6	555.2	974.6	1128.7	3513.4	5967.0	5945.4	5508.8	4802.7
70°	318.0	320.2	350.4	393.5	701.8	657.6	1773.4	5136.9	5106.7	5354.7	4601.1
72.5°	249.0	256.6	306.2	356.8	506.7	481.9	668.4	3638.4	3677.2	4551.5	4049.1
75°	176.8	182.2	231.8	311.6	378.4	368.7	377.3	1875.8	1990.1	3021.8	2966.8
77.5°	111.0	115.4	149.8	230.7	321.3	271.7	264.1	736.3	824.7	1478.0	1484.5
80°	76.5	77.6	92.7	155.2	230.7	223.2	179.0	294.3	297.5	535.8	514.2
82.5°	45.3	45.3	61.4	95.9	141.2	182.2	115.4	147.7	153.1	198.4	113.2
85°	16.2	17.2	33.4	55.0	78.7	95.9	69.0	80.9	84.1	102.4	53.9
87.5°	1.1	2.2	10.8	17.2	21.6	19.4	22.6	24.8	28.0	33.4	19.4
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°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
2.5°	2.2	2.2	3.2	3.2	3.2	2.2	1.1	1.1	1.1	1.1	1.1
5°	2.2	2.2	3.2	3.2	3.2	2.2	1.1	1.1	1.1	1.1	1.1
7.5°	2.2	2.2	3.2	3.2	3.2	2.2	30.2	168.2	175.7	181.1	182.2
10°	6.5	4.3	3.2	3.2	3.2	174.6	181.1	176.8	173.6	170.3	171.4
12.5°	164.9	164.9	149.8	97.0	162.8	179.0	169.3	158.5	149.8	140.1	141.2
15°	316.9	314.8	278.1	239.3	273.8	175.7	145.5	193.0	164.9	145.5	142.3
17.5°	352.5	341.7	298.6	381.6	339.6	200.5	168.2	114.3	81.9	74.4	73.3
20°	507.8	493.7	435.5	462.5	310.5	231.8	101.3	64.7	58.2	70.1	72.2
22.5°	653.3	633.9	544.4	478.7	349.3	142.3	71.2	71.2	70.1	67.9	66.8
25°	839.8	805.3	729.8	501.3	277.1	93.8	77.6	63.6	57.1	52.8	52.8
27.5°	1031.7	985.3	836.6	533.6	182.2	87.3	69.0	53.9	57.1	55.0	55.0
30°	1312.0	1248.4	974.6	499.1	118.6	80.9	58.2	52.8	46.4	44.2	43.1
32.5°	1602.0	1485.5	1110.4	434.5	93.8	69.0	53.9	43.1	42.0	43.1	43.1
35°	1787.4	1678.5	1257.0	315.9	81.9	60.4	44.2	39.9	36.7	35.6	35.6
37.5°	2009.5	1874.7	1269.9	204.8	71.2	49.6	37.7	33.4	33.4	34.5	34.5
40°	2275.8	2128.1	1218.2	126.1	61.4	41.0	32.3	30.2	29.1	29.1	29.1
42.5°	2574.4	2387.9	1146.0	94.9	51.7	34.5	27.0	25.9	24.8	24.8	24.8
45°	2893.5	2649.8	1046.8	78.7	43.1	29.1	22.6	21.6	21.6	20.5	20.5
47.5°	3224.4	2930.1	896.9	69.0	35.6	23.7	19.4	18.3	17.2	17.2	17.2
50°	3508.0	3186.7	713.7	59.3	30.2	20.5	15.1	14.0	14.0	12.9	12.9
52.5°	3765.6	3404.5	566.0	50.7	24.8	16.2	11.9	10.8	10.8	9.7	9.7
55°	3964.0	3566.2	422.6	42.0	20.5	12.9	8.6	7.5	7.5	6.5	7.5
57.5°	4131.1	3665.4	320.2	34.5	17.2	9.7	6.5	5.4	4.3	4.3	4.3
60°	4289.5	3745.1	236.1	27.0	14.0	7.5	4.3	3.2	2.2	2.2	2.2
62.5°	4459.9	3816.3	186.5	21.6	11.9	5.4	2.2	2.2	0.0	0.0	0.0
65°	4588.2	3860.5	144.5	17.2	9.7	3.2	2.2	1.1	0.0	0.0	0.0
67.5°	4592.5	3804.4	113.2	14.0	8.6	3.2	1.1	0.0	0.0	0.0	0.0
70°	4427.5	3566.2	84.1	12.9	7.5	3.2	2.2	1.1	0.0	0.0	0.0
72.5°	3836.8	2799.7	60.4	10.8	6.5	3.2	2.2	1.1	1.1	0.0	0.0
75°	2774.9	1654.8	42.0	9.7	6.5	3.2	3.2	2.2	2.2	2.2	0.0
77.5°	1423.0	687.8	28.0	8.6	5.4	2.2	4.3	3.2	3.2	3.2	1.1
80°	417.2	237.2	17.2	7.5	5.4	2.2	4.3	4.3	4.3	4.3	1.1
82.5°	79.8	46.4	10.8	7.5	5.4	2.2	4.3	4.3	4.3	5.4	0.0
85°	31.3	18.3	7.5	6.5	5.4	2.2	4.3	4.3	5.4	5.4	0.0
87.5°	10.8	8.6	6.5	5.4	5.4	2.2	4.3	4.3	4.3	5.4	1.1
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)