

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: P413740

Luminaire Tested: **LXF.LXT-PA1-100-727-U-T2R-HSS**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P413740  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-100-727-U-T2R-HSS  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2700K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6628 lumens  
Efficiency: N/A  
Efficacy: 69.0 lumens/watt  
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')  
IES Classification: Type II - Medium - Full Cutoff  
BUG Rating: B0 - U0 - G2

Input Watts (W): 96  
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

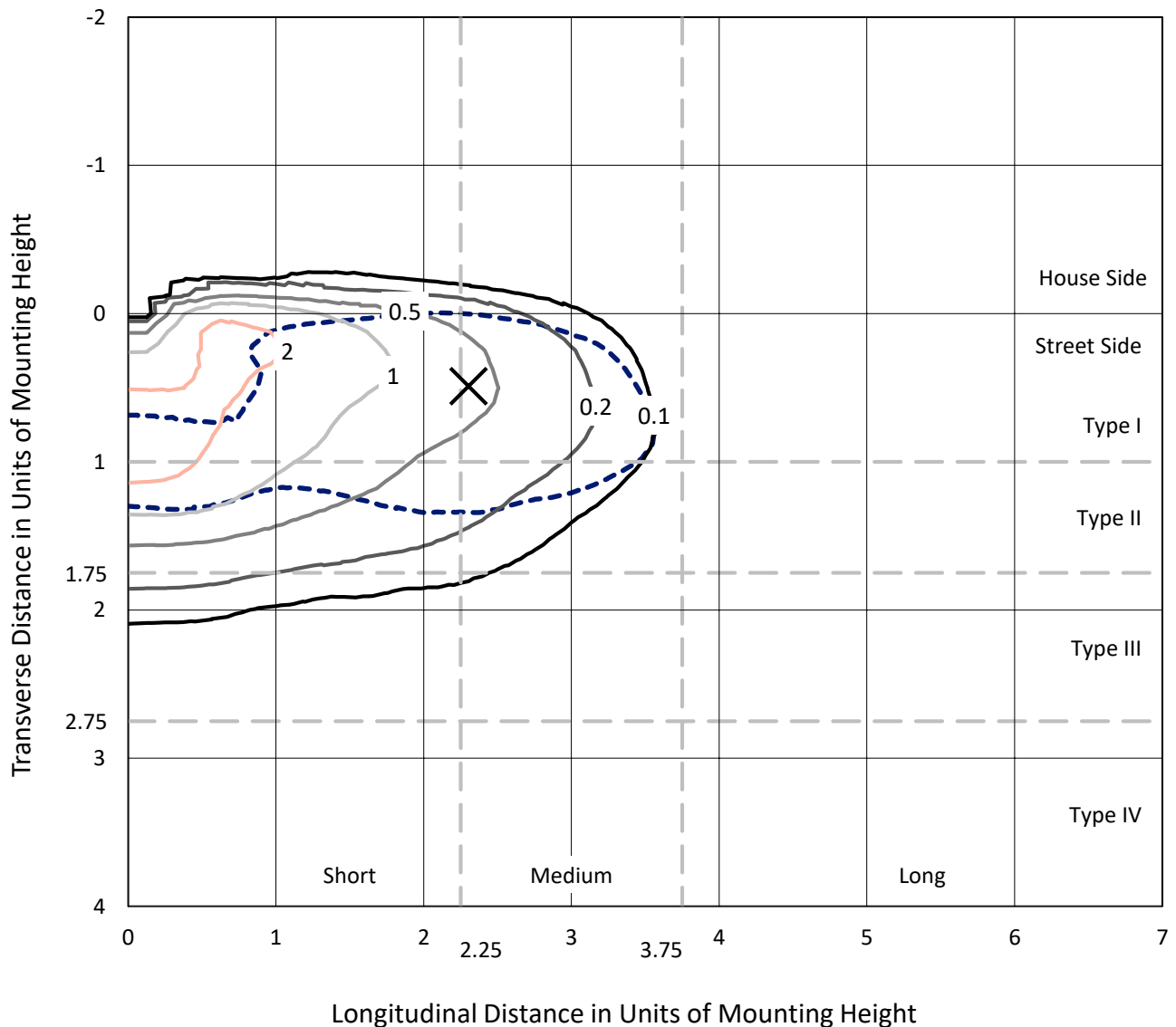


REPORT NUMBER: P413740

CATALOG NUMBER: LXF.LXT-PA1-100-727-U-T2R-HSS

### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

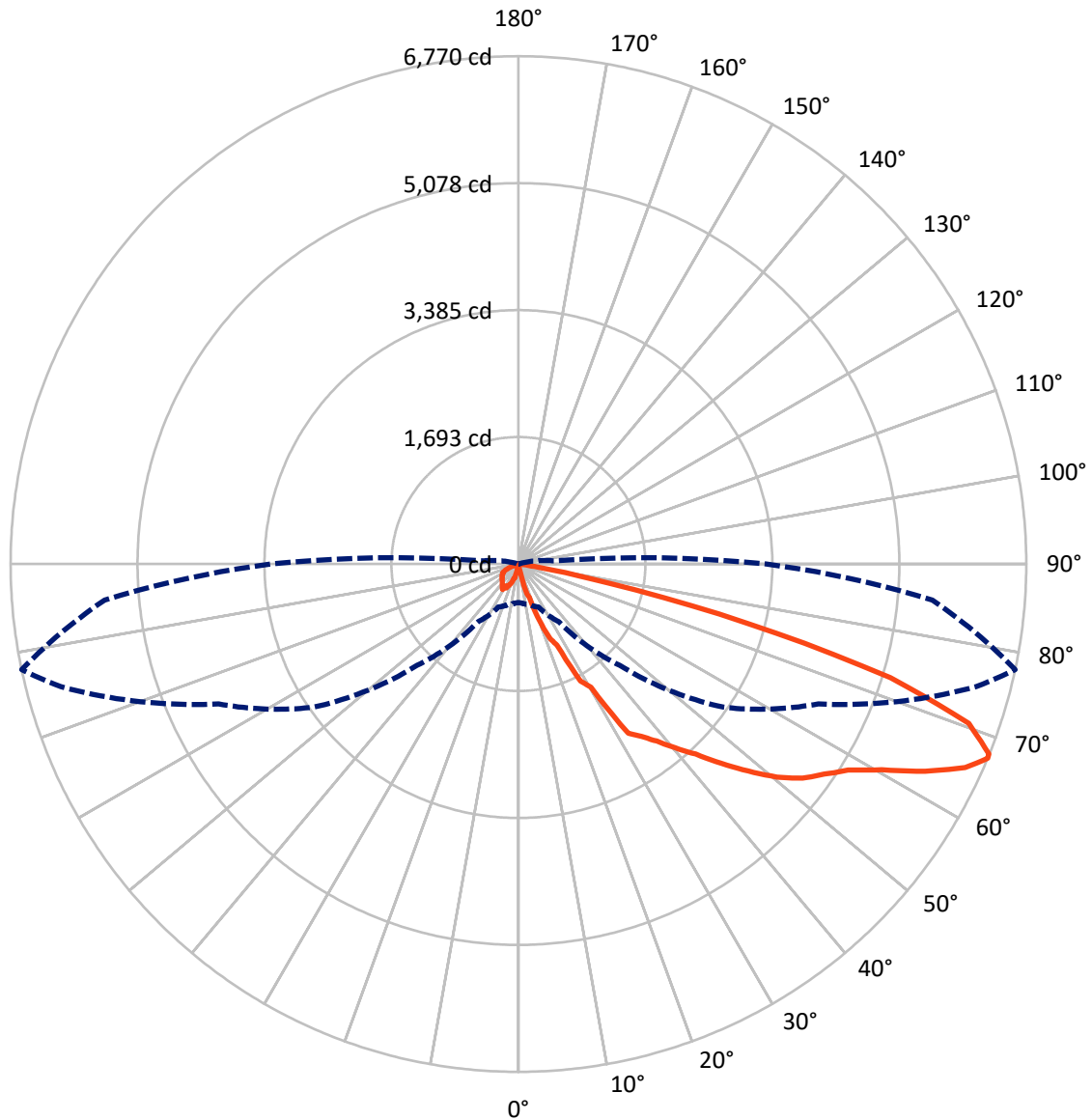


Based on 25 foot mounting height. Maximum calculated value = 3.3 fc  
 Type II - Medium - Full Cutoff

REPORT NUMBER: P413740

CATALOG NUMBER: LXF.LXT-PA1-100-727-U-T2R-HSS

### Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral      - - - Horizontal Cone Through 67-Deg Vertical

REPORT NUMBER: P413740

CATALOG NUMBER: LXF.LXT-PA1-100-727-U-T2R-HSS

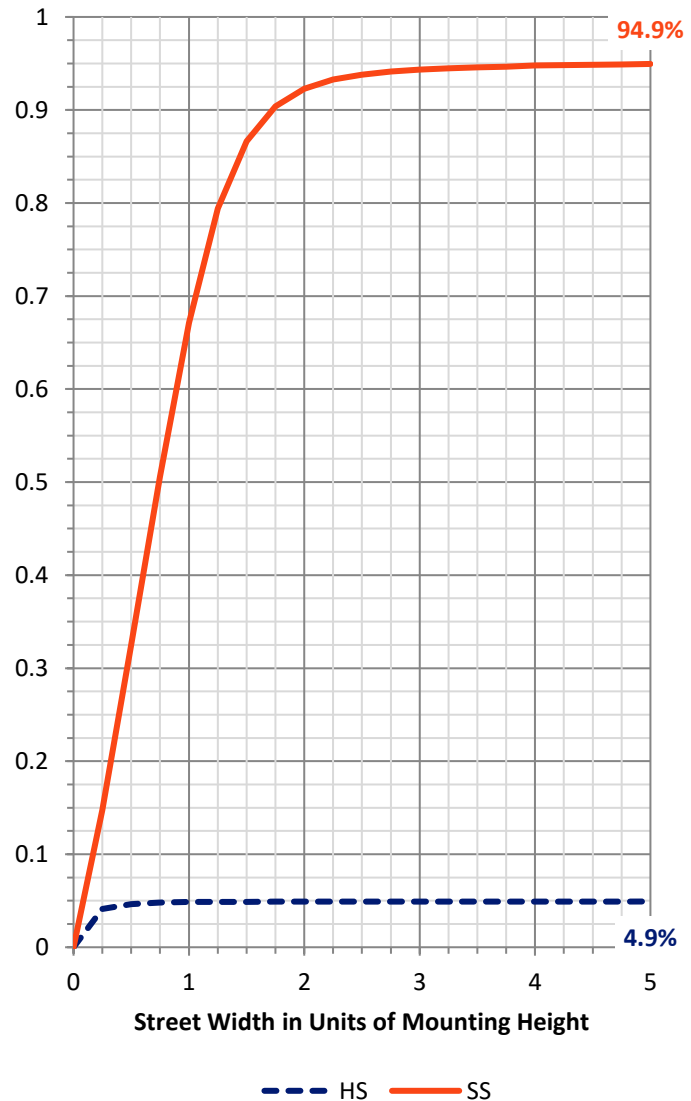
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	328.2	0.0	328.2
	% Fixture	5.0	0.0	5.0
<b>Street Side</b>	Lumens	6299.8	0.0	6299.8
	% Fixture	95.0	0.0	95.0
<b>Total</b>	Lumens	6628.0	0.0	6628.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	6.3	0.1
10°-20°	90.3	1.4
20°-30°	359.9	5.4
30°-40°	915.5	13.8
40°-50°	1498.9	22.6
50°-60°	1690.3	25.5
60°-70°	1457.6	22.0
70°-80°	586.3	8.8
80°-90°	23.0	0.3
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°	6628.0	100.0
0°-180°	6628.0	100.0



REPORT NUMBER: P413740

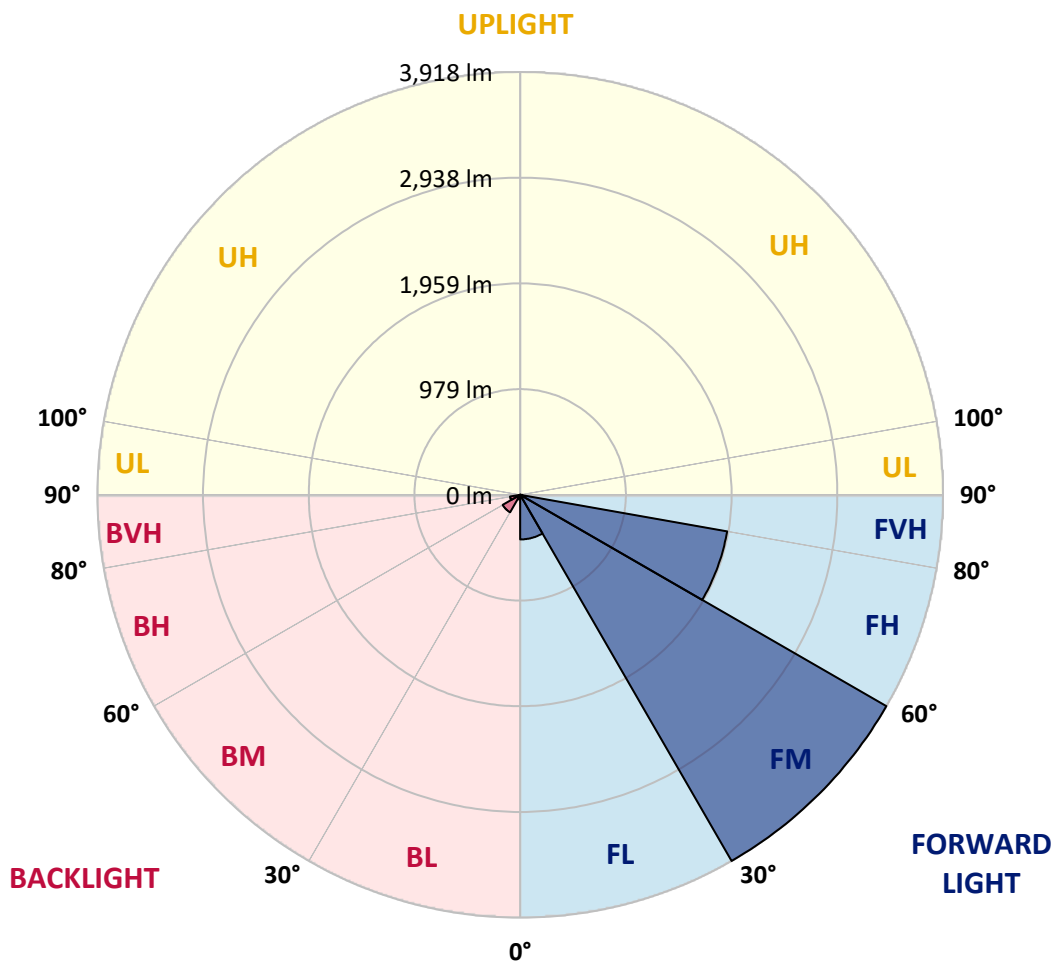
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	413.4	6.2			
FM	(30°-60°)	3917.8	59.1			
FH	(60°-80°)	1947.9	29.4			G2/5000
FVH	(80°-90°)	20.6	0.3			G1/100
BL	(0°-30°)	43.1	0.6	B0/110		
BM	(30°-60°)	186.9	2.8	B0/220		
BH	(60°-80°)	95.9	1.4	B0/110		G0/110
BVH	(80°-90°)	2.3	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B0-U0-G2**

Type II Medium





REPORT NUMBER: P413740

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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	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	1.8	1.8	3.7	3.7	2.7	2.7	2.7	2.7	2.7
5°	277.6	217.3	154.3	44.7	17.3	8.2	3.7	2.7	2.7	2.7	1.8
7.5°	309.5	306.8	303.1	301.3	295.8	286.7	20.1	3.7	2.7	2.7	2.7
10°	331.4	326.0	325.1	324.1	320.5	313.2	299.5	17.3	2.7	2.7	2.7
12.5°	665.6	662.9	651.9	381.7	343.3	336.0	324.1	232.8	18.3	153.4	166.2
15°	657.4	655.6	662.9	677.5	691.2	368.9	526.8	664.7	408.1	390.8	407.2
17.5°	680.2	679.3	667.5	679.3	700.3	817.2	752.4	725.0	452.9	473.0	434.6
20°	1019.0	1017.2	1027.2	966.0	726.8	1018.1	945.0	785.2	889.3	817.2	820.9
22.5°	1070.1	1073.8	1071.0	1092.0	1261.9	1051.9	1176.0	1220.8	1235.4	1082.0	934.1
25°	1570.5	1547.7	1500.2	1159.6	1360.5	1304.8	1493.8	1319.4	1328.5	1197.0	1197.0
27.5°	1759.5	1759.5	1720.2	1675.5	1443.6	1675.5	1572.3	1733.0	1890.1	1765.9	1499.3
30°	2387.7	2369.4	1973.2	1916.5	1796.9	1773.2	1898.3	2034.3	1964.9	1906.5	1686.4
32.5°	2838.7	2840.6	2740.1	2433.3	2136.6	1977.7	2198.7	2244.3	2619.6	2688.1	2286.3
35°	3622.2	3576.5	3085.3	2806.8	2514.6	2408.7	2397.7	2628.7	2844.2	2820.5	2478.1
37.5°	4119.8	4087.8	3850.4	3225.0	2850.6	2613.2	2755.7	2766.6	3115.4	2995.8	2707.3
40°	4348.1	4333.4	4132.6	3601.2	3145.5	2892.6	2938.3	2973.9	3387.5	3223.1	2899.9
42.5°	4532.5	4518.8	4336.2	3790.2	3428.6	3160.1	3143.7	3150.1	3607.6	3463.3	3094.4
45°	4621.1	4612.8	4534.3	3957.3	3551.9	3333.6	3367.4	3326.3	3799.3	3790.2	3309.9
47.5°	4535.2	4539.8	4561.7	4105.2	3642.2	3470.6	3584.7	3519.0	4027.6	4123.4	3552.8
50°	4233.0	4231.2	4356.3	4127.1	3694.3	3580.2	3776.5	3700.7	4298.7	4464.9	3771.9
52.5°	3302.6	3424.0	3876.9	3891.5	3682.4	3634.9	3920.7	3909.8	4554.4	4742.5	3991.0
55°	2485.4	2534.7	2964.7	3375.6	3529.0	3628.6	3971.9	4050.4	4743.4	4945.2	4162.7
57.5°	1953.1	1936.6	2172.2	2721.0	3141.9	3520.8	3960.0	4105.2	4927.9	5182.6	4389.1
60°	1429.0	1443.6	1630.7	1973.2	2584.0	3276.1	3923.5	4193.7	5220.0	5566.1	4726.1
62.5°	1036.3	1036.3	1165.1	1374.2	1979.5	2883.5	3844.0	4317.9	5677.5	6086.5	5126.9
65°	697.6	693.0	788.9	895.7	1355.9	2385.9	3630.4	4433.9	6115.8	6544.0	5471.1
67°	513.1	523.2	562.5	632.8	937.7	1911.1	3325.4	4411.1	6317.6	6770.4	5538.7
67.5°	480.3	484.8	538.7	600.8	864.7	1785.1	3238.7	4383.7	6339.5	6765.0	5504.0
70°	348.8	356.1	385.3	403.6	523.2	1177.9	2584.9	3952.7	6019.9	6368.7	5004.6
72.5°	187.2	202.7	280.3	278.5	325.1	718.6	1757.7	2933.7	4947.9	5184.4	3841.3
75°	146.1	147.9	167.1	206.4	210.0	399.9	845.5	1704.7	3130.0	3147.4	2132.9
77.5°	106.8	111.4	123.3	130.6	137.0	227.4	295.8	677.5	1386.0	1210.7	798.9
80°	72.1	74.9	81.3	96.8	112.3	128.7	95.9	180.8	326.0	252.9	119.6
82.5°	31.0	30.1	56.6	81.3	80.4	53.0	48.4	56.6	64.8	59.3	36.5
85°	1.8	2.7	29.2	39.3	33.8	22.8	30.1	23.7	24.7	23.7	18.3
87.5°	0.9	0.9	2.7	3.7	4.6	4.6	5.5	5.5	7.3	8.2	7.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P413740

CATALOG NUMBER: LXF.LXT-PA1-100-727-U-T2R-HSS

**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°	2.7	2.7	2.7	2.7	2.7	0.9	0.9	0.0	0.0	0.0	0.0
5°	2.7	2.7	2.7	2.7	2.7	0.9	0.0	0.0	0.0	0.0	0.0
7.5°	2.7	2.7	2.7	2.7	2.7	0.9	0.0	10.0	27.4	29.2	28.3
10°	2.7	2.7	2.7	2.7	1.8	23.7	32.9	31.0	30.1	29.2	29.2
12.5°	166.2	140.6	25.6	5.5	23.7	30.1	26.5	26.5	25.6	25.6	25.6
15°	363.4	305.0	143.4	48.4	37.4	25.6	23.7	23.7	39.3	42.9	42.0
17.5°	380.8	307.7	140.6	65.7	53.9	32.9	32.9	42.0	41.1	39.3	39.3
20°	724.1	474.8	162.5	64.8	49.3	52.0	39.3	36.5	34.7	32.9	32.9
22.5°	774.3	557.9	174.4	82.2	53.0	52.0	40.2	33.8	42.9	42.0	42.0
25°	999.8	673.8	158.0	76.7	68.5	47.5	42.9	37.4	36.5	34.7	34.7
27.5°	1239.0	797.1	174.4	79.4	62.1	46.6	40.2	32.9	34.7	38.3	38.3
30°	1358.7	798.0	137.9	81.3	59.3	47.5	35.6	36.5	34.7	33.8	32.9
32.5°	1823.4	1024.5	132.4	77.6	55.7	41.1	36.5	32.0	29.2	32.0	32.0
35°	1905.6	988.9	115.0	78.5	50.2	37.4	31.0	29.2	29.2	28.3	28.3
37.5°	1996.0	950.5	101.4	69.4	48.4	33.8	26.5	26.5	25.6	27.4	27.4
40°	2095.5	910.3	90.4	60.3	41.1	28.3	23.7	22.8	23.7	23.7	22.8
42.5°	2211.5	871.1	81.3	53.0	34.7	23.7	19.2	19.2	19.2	18.3	18.3
45°	2335.6	840.0	74.9	45.7	29.2	20.1	15.5	14.6	13.7	13.7	13.7
47.5°	2482.6	827.2	69.4	38.3	24.7	15.5	11.9	11.0	10.0	9.1	9.1
50°	2605.9	821.8	61.2	32.0	21.0	12.8	8.2	7.3	6.4	5.5	5.5
52.5°	2714.6	798.0	53.0	25.6	16.4	9.1	5.5	3.7	2.7	2.7	2.7
55°	2822.3	776.1	45.7	21.9	11.9	5.5	2.7	0.9	0.9	1.8	1.8
57.5°	2955.6	751.5	39.3	18.3	9.1	3.7	1.8	0.0	0.9	0.9	1.8
60°	3164.7	725.9	34.7	15.5	6.4	2.7	0.9	0.0	0.0	0.9	0.9
62.5°	3351.9	681.2	30.1	13.7	5.5	2.7	0.9	0.0	0.0	0.0	0.9
65°	3433.2	588.9	26.5	11.9	5.5	2.7	0.9	0.0	0.0	0.0	0.0
67°	3297.1	476.6	23.7	11.0	4.6	1.8	0.9	0.0	0.0	0.0	0.0
67.5°	3233.2	444.7	23.7	10.0	4.6	1.8	0.9	0.9	0.0	0.0	0.0
70°	2744.7	294.9	21.0	9.1	4.6	1.8	1.8	0.9	0.0	0.0	0.0
72.5°	2106.5	171.7	18.3	8.2	4.6	1.8	1.8	0.9	0.9	0.0	0.0
75°	1177.9	86.7	14.6	8.2	4.6	2.7	2.7	1.8	1.8	1.8	0.0
77.5°	377.1	47.5	11.0	7.3	4.6	2.7	2.7	1.8	2.7	2.7	0.9
80°	59.3	24.7	8.2	5.5	4.6	1.8	2.7	2.7	3.7	3.7	0.9
82.5°	21.9	13.7	6.4	5.5	4.6	1.8	2.7	2.7	3.7	4.6	0.0
85°	10.0	8.2	6.4	5.5	4.6	1.8	2.7	2.7	3.7	4.6	0.0
87.5°	4.6	6.4	5.5	5.5	4.6	1.8	2.7	2.7	3.7	3.7	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)