

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: P417138

Luminaire Tested: **LXF.LXT-PA1-90-730-U-T3-HSS**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P417138  
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-PA1-90-730-U-T3-HSS  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 1180mA 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: 6910 lumens  
Efficiency: N/A  
Efficacy: 73.5 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): 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

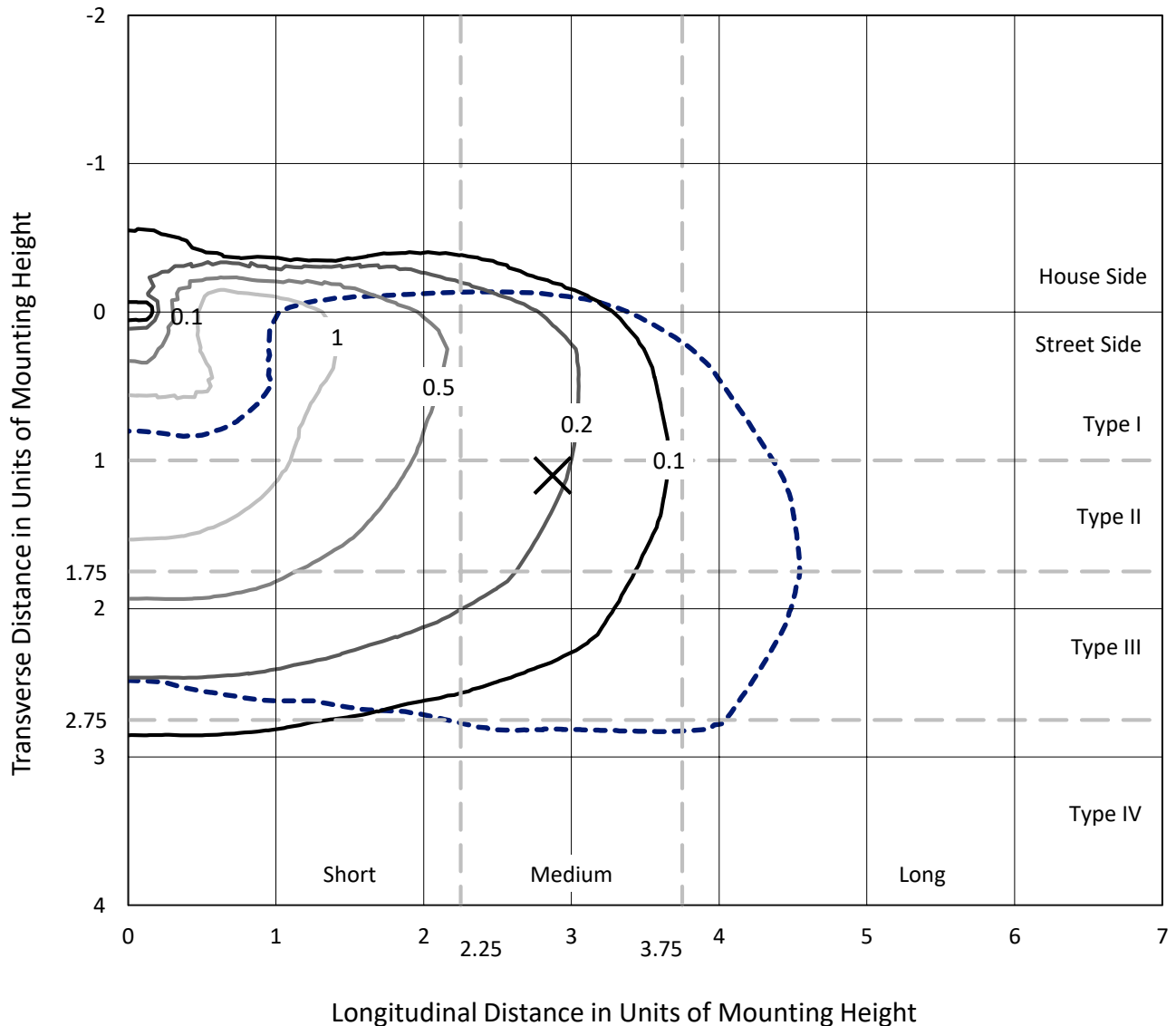


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

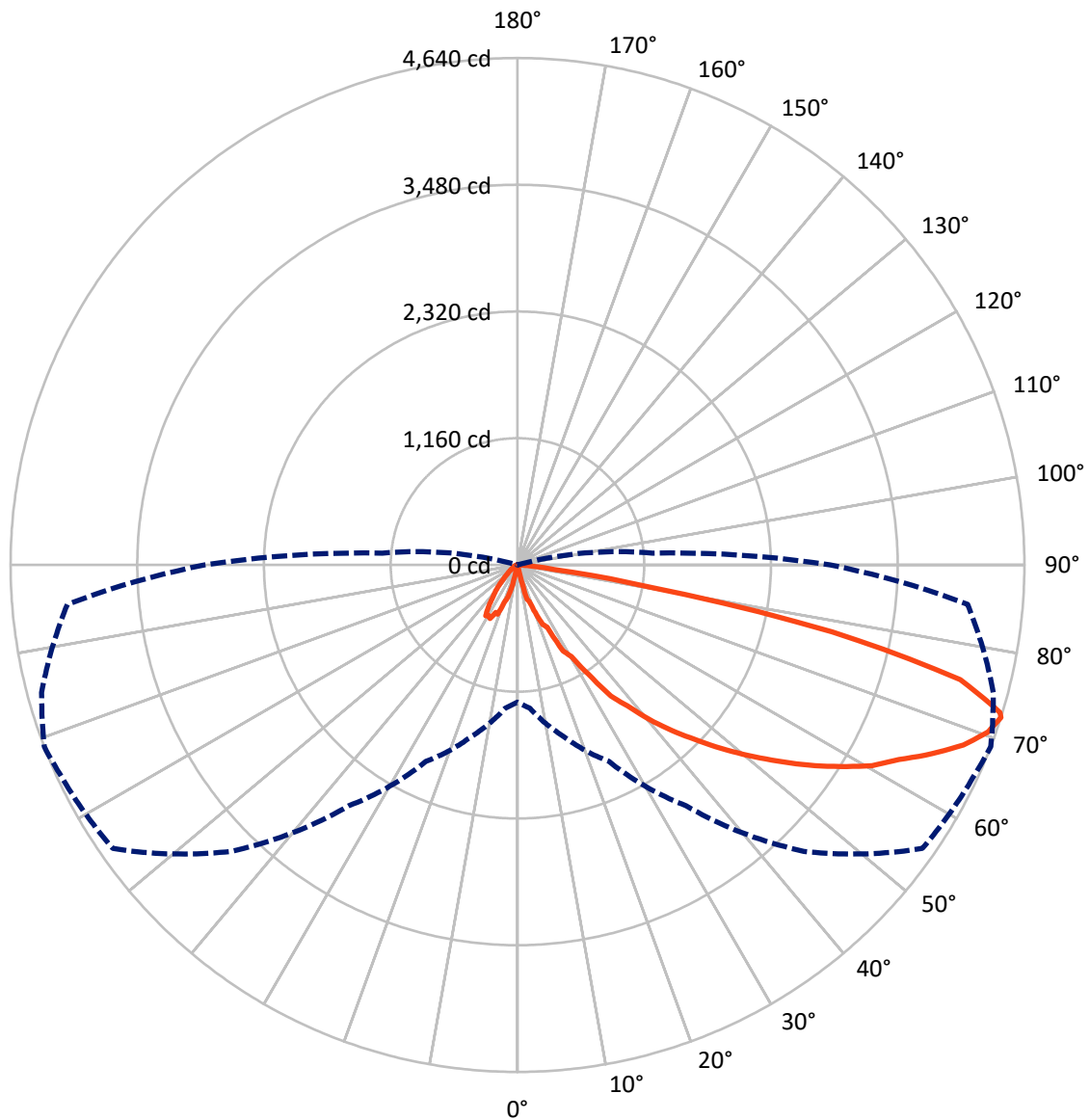


Based on 25 foot mounting height. Maximum calculated value = 1.9 fc  
 Type IV - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



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

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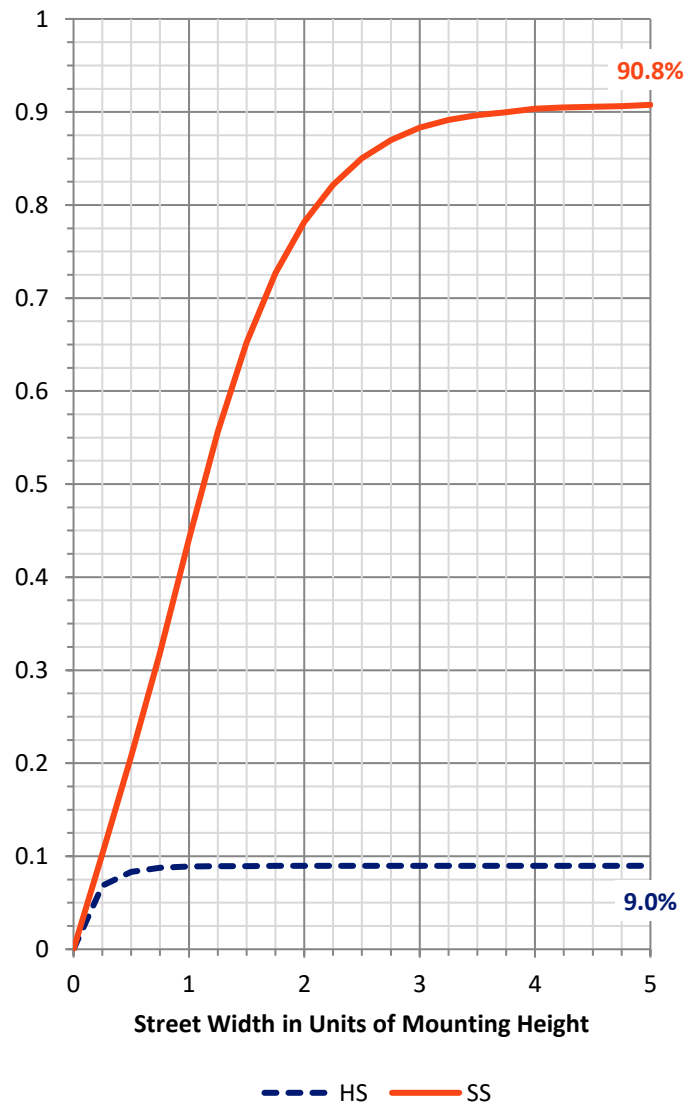
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	626.6	0.0	626.6
	% Fixture	9.1	0.0	9.1
<b>Street Side</b>	Lumens	6283.4	0.0	6283.4
	% Fixture	90.9	0.0	90.9
<b>Total</b>	Lumens	6910.0	0.0	6910.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	4.5	0.1
10°-20°	60.0	0.9
20°-30°	215.2	3.1
30°-40°	549.7	8.0
40°-50°	1087.7	15.7
50°-60°	1714.1	24.8
60°-70°	1993.7	28.9
70°-80°	1210.3	17.5
80°-90°	74.9	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°	6910.0	100.0
0°-180°	6910.0	100.0



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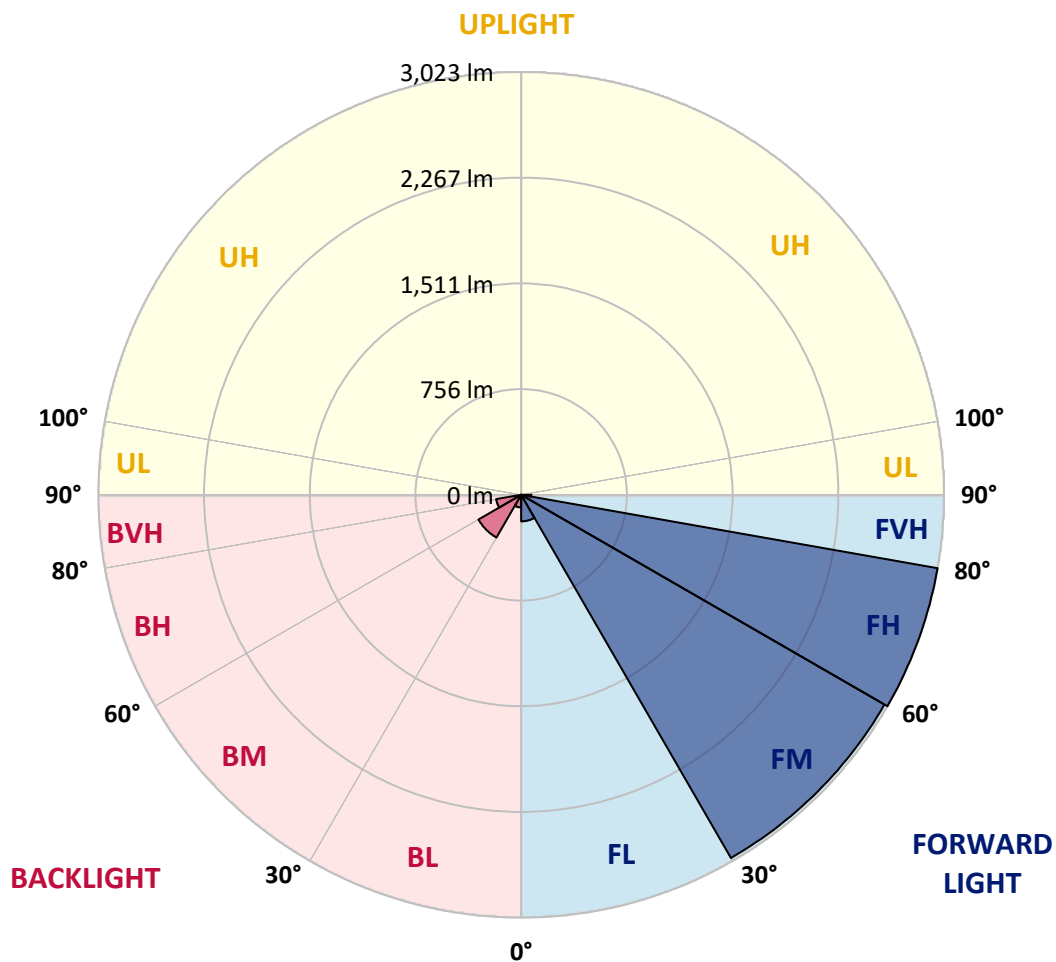
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	189.7	2.7			
FM	(30°-60°)	2998.7	43.4			
FH	(60°-80°)	3022.6	43.7			G2/5000
FVH	(80°-90°)	72.3	1.0			G1/100
BL	(0°-30°)	90.0	1.3	B0/110		
BM	(30°-60°)	352.7	5.1	B1/1000		
BH	(60°-80°)	181.3	2.6	B1/500		G1/500
BVH	(80°-90°)	2.6	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°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
2.5°	1.0	1.0	1.0	1.0	2.0	2.0	2.9	2.9	2.9	2.9	2.9
5°	96.2	62.8	47.1	39.3	19.6	4.9	2.9	2.9	2.9	2.9	2.9
7.5°	148.3	148.3	149.3	150.2	153.2	128.6	27.5	2.9	2.9	2.9	2.9
10°	143.4	142.4	142.4	144.3	148.3	152.2	156.1	20.6	4.9	2.9	2.9
12.5°	279.9	276.9	257.3	179.7	147.3	149.3	157.1	119.8	33.4	19.6	112.9
15°	276.9	275.9	277.9	282.8	284.8	159.1	232.7	316.2	323.1	218.0	264.1
17.5°	302.4	293.6	279.9	281.8	290.7	341.7	328.9	342.7	349.6	244.5	285.7
20°	418.3	417.3	419.3	328.9	307.3	433.0	381.0	372.2	462.5	484.1	537.1
22.5°	427.1	425.2	428.1	437.9	491.9	452.7	551.8	564.6	591.1	654.0	613.7
25°	598.0	598.0	491.0	457.6	560.7	511.6	683.4	642.2	628.4	702.1	789.5
27.5°	721.7	713.9	688.3	639.2	583.3	723.7	727.6	877.9	890.6	980.0	996.7
30°	914.2	903.4	835.6	797.3	723.7	761.0	849.4	1043.8	973.1	1044.8	1117.4
32.5°	1353.1	1337.4	1252.0	1004.5	912.2	824.8	1018.3	1120.4	1190.1	1384.5	1464.1
35°	1752.8	1650.6	1533.8	1345.3	1105.7	1072.3	1098.8	1389.4	1471.9	1531.8	1612.3
37.5°	2155.3	2157.3	2040.5	1582.9	1397.3	1238.2	1324.6	1552.4	1635.9	1724.3	1796.9
40°	2478.4	2429.3	2273.2	1937.4	1648.7	1489.6	1500.4	1711.5	1859.8	1970.7	1985.5
42.5°	2890.8	2870.2	2640.4	2261.4	1973.7	1818.5	1771.4	1875.5	2071.9	2145.5	2190.7
45°	3285.6	3255.1	3059.7	2630.6	2321.3	2147.5	2082.7	2083.7	2277.1	2355.7	2420.5
47.5°	3581.1	3532.0	3427.0	2970.4	2758.3	2506.9	2372.4	2321.3	2509.8	2611.9	2648.3
50°	3890.4	3809.9	3726.4	3354.3	3135.3	2917.3	2660.1	2603.1	2739.6	2853.5	2883.0
52.5°	4097.6	3980.8	3922.8	3628.3	3473.1	3334.7	2947.8	2883.9	2981.2	3115.7	3092.1
55°	3992.5	3956.2	4019.1	3864.9	3714.7	3561.5	3261.0	3209.0	3234.5	3347.4	3291.4
57.5°	3773.6	3784.4	3970.0	3999.4	3931.7	3787.3	3541.8	3533.0	3481.0	3573.3	3500.6
60°	3544.8	3585.0	3843.3	3990.6	4039.7	3991.6	3838.4	3773.6	3727.4	3792.2	3735.3
62.5°	3238.4	3246.3	3592.9	3912.0	3998.4	4150.6	4045.6	4014.2	3918.9	4015.1	3991.6
65°	2853.5	2863.3	3189.3	3642.0	3874.7	4181.1	4207.6	4241.0	4167.3	4193.8	4268.5
67.5°	2423.4	2442.1	2726.8	3163.8	3608.6	4121.2	4342.1	4405.9	4400.1	4392.2	4465.8
70°	1961.9	1974.7	2206.4	2589.4	3178.5	3956.2	4466.8	4548.3	4570.9	4515.9	4463.9
72°	1254.9	1316.8	1623.1	1984.5	2690.5	3705.8	4522.8	4600.4	4639.6	4508.1	4134.9
72.5°	985.9	1035.0	1499.4	1818.5	2523.6	3647.9	4512.0	4582.7	4619.0	4464.9	3995.5
75°	212.1	218.0	469.4	883.7	1591.7	2794.6	4137.9	4146.7	4186.0	3890.4	2735.7
77.5°	91.3	92.3	130.6	291.6	571.5	1428.7	2864.3	2945.8	2942.9	2517.7	1322.7
80°	63.8	65.8	77.6	133.5	272.0	413.4	1399.3	1408.1	1211.7	900.4	329.9
82.5°	33.4	35.3	55.0	79.5	184.6	151.2	452.7	456.6	336.8	212.1	76.6
85°	5.9	8.8	26.5	48.1	71.7	60.9	99.2	124.7	108.0	84.4	32.4
87.5°	1.0	1.0	6.9	6.9	9.8	5.9	9.8	10.8	11.8	17.7	8.8
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°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
2.5°	2.9	2.9	2.9	2.9	2.0	1.0	0.0	0.0	0.0	0.0	0.0
5°	2.9	2.9	2.9	2.9	2.0	1.0	0.0	0.0	0.0	0.0	0.0
7.5°	2.9	2.9	2.9	2.9	2.0	1.0	0.0	90.3	121.8	129.6	138.5
10°	2.9	3.9	2.9	2.9	2.0	123.7	152.2	154.2	156.1	156.1	155.1
12.5°	124.7	127.7	45.2	8.8	114.9	157.1	149.3	136.5	124.7	120.8	119.8
15°	267.1	268.1	242.5	209.2	222.9	148.3	116.9	132.6	134.5	129.6	129.6
17.5°	287.7	287.7	274.9	335.8	281.8	148.3	122.7	101.1	86.4	82.5	81.5
20°	569.5	498.8	403.6	340.7	229.8	165.9	86.4	73.6	71.7	71.7	74.6
22.5°	614.7	605.9	525.3	459.5	197.4	116.9	84.4	84.4	100.2	98.2	97.2
25°	802.2	790.5	595.1	399.6	197.4	100.2	107.0	94.3	92.3	90.3	88.4
27.5°	1014.3	989.8	836.6	361.4	139.4	105.1	102.1	89.4	106.0	106.0	105.1
30°	1154.8	1062.5	842.5	324.0	117.8	111.9	96.2	104.1	94.3	88.4	88.4
32.5°	1496.5	1454.2	1030.1	228.8	111.9	101.1	101.1	89.4	79.5	82.5	81.5
35°	1604.5	1549.5	917.1	171.8	103.1	93.3	84.4	78.6	67.8	60.9	59.9
37.5°	1738.0	1666.3	769.8	132.6	101.1	82.5	69.7	59.9	52.0	52.0	51.1
40°	1902.0	1793.0	629.4	112.9	89.4	70.7	54.0	46.2	41.2	38.3	37.3
42.5°	2081.7	1912.8	484.1	102.1	77.6	57.9	40.3	33.4	30.4	29.5	29.5
45°	2271.2	2023.8	347.6	93.3	67.8	45.2	29.5	23.6	22.6	22.6	22.6
47.5°	2464.7	2104.3	236.6	84.4	57.0	33.4	21.6	17.7	17.7	16.7	16.7
50°	2654.2	2159.3	163.0	75.6	46.2	23.6	15.7	14.7	14.7	13.7	13.7
52.5°	2791.6	2146.5	121.8	65.8	36.3	17.7	12.8	11.8	11.8	11.8	11.8
55°	2925.2	2118.0	100.2	56.0	27.5	12.8	9.8	8.8	8.8	8.8	8.8
57.5°	3062.7	2079.7	86.4	45.2	19.6	9.8	6.9	6.9	6.9	6.9	6.9
60°	3176.6	2005.1	74.6	36.3	13.7	6.9	5.9	4.9	4.9	4.9	4.9
62.5°	3303.2	1929.5	63.8	27.5	9.8	4.9	3.9	2.9	2.9	2.0	2.9
65°	3393.6	1837.2	52.0	19.6	6.9	3.9	2.9	2.0	1.0	0.0	1.0
67.5°	3391.6	1714.5	37.3	12.8	4.9	2.9	2.0	1.0	0.0	0.0	0.0
70°	3243.3	1538.7	25.5	8.8	3.9	2.0	2.0	1.0	0.0	0.0	0.0
72°	2862.3	1241.2	19.6	7.9	3.9	2.0	2.0	1.0	0.0	0.0	0.0
72.5°	2728.8	1139.0	17.7	6.9	3.9	2.0	2.0	1.0	0.0	0.0	0.0
75°	1733.1	474.3	13.7	5.9	3.9	2.0	2.0	1.0	1.0	1.0	0.0
77.5°	805.2	173.8	9.8	4.9	2.9	2.0	2.0	1.0	1.0	2.0	0.0
80°	175.8	51.1	6.9	4.9	2.9	2.0	2.0	2.0	2.0	2.9	0.0
82.5°	40.3	16.7	5.9	3.9	2.9	2.0	2.0	2.0	2.0	2.9	0.0
85°	14.7	9.8	5.9	4.9	3.9	2.0	2.0	2.9	2.9	3.9	0.0
87.5°	5.9	5.9	4.9	4.9	3.9	2.0	2.9	2.9	3.9	3.9	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)