

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: P415578

Luminaire Tested: **LXF.LXT-PA1-50-750-U-T3-HSS**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P415578  
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-PA1-50-750-U-T3-HSS  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 5000K, 670mA 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: 4969 lumens  
Efficiency: N/A  
Efficacy: 92.0 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

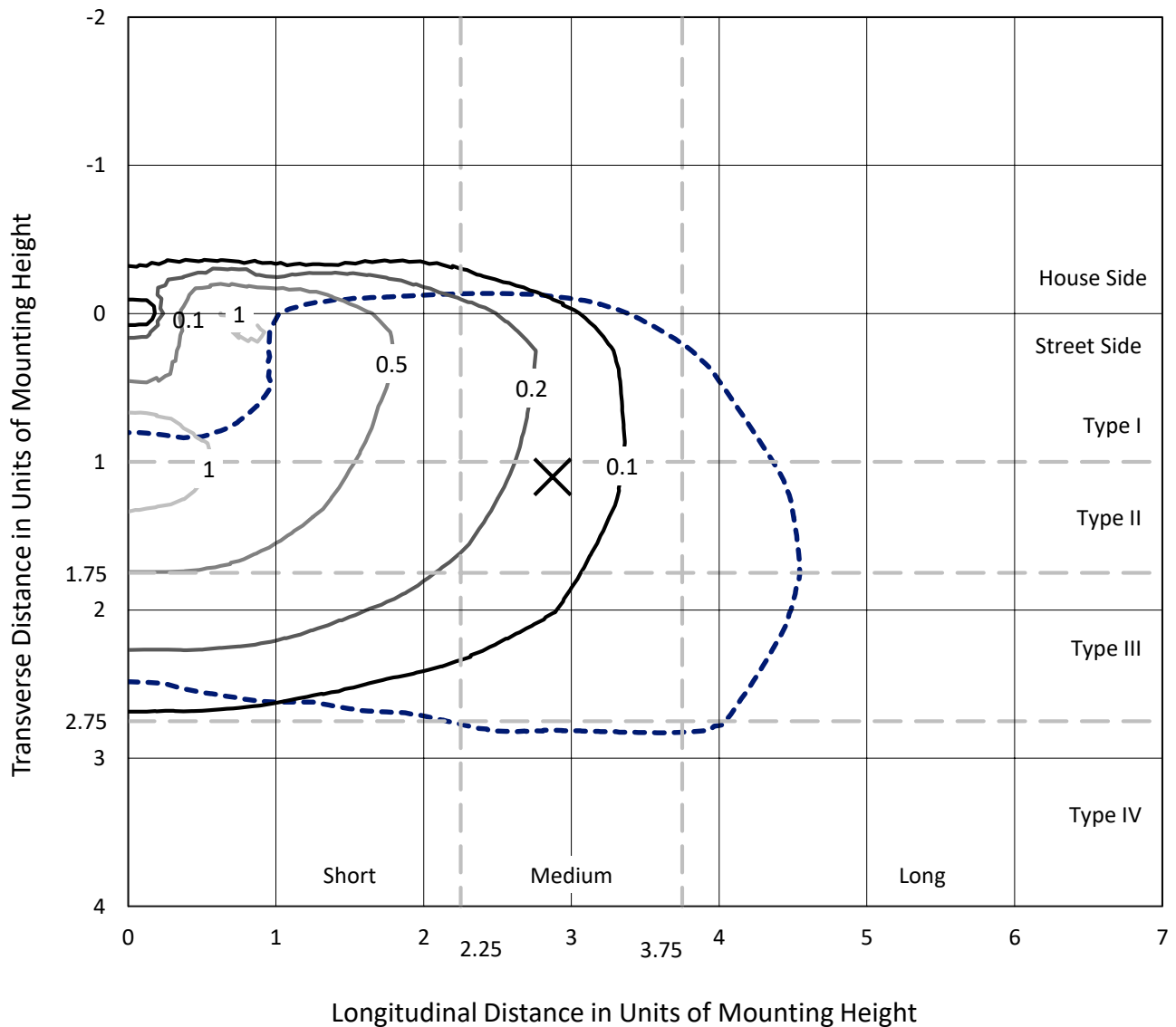
Input Watts (W): 54  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

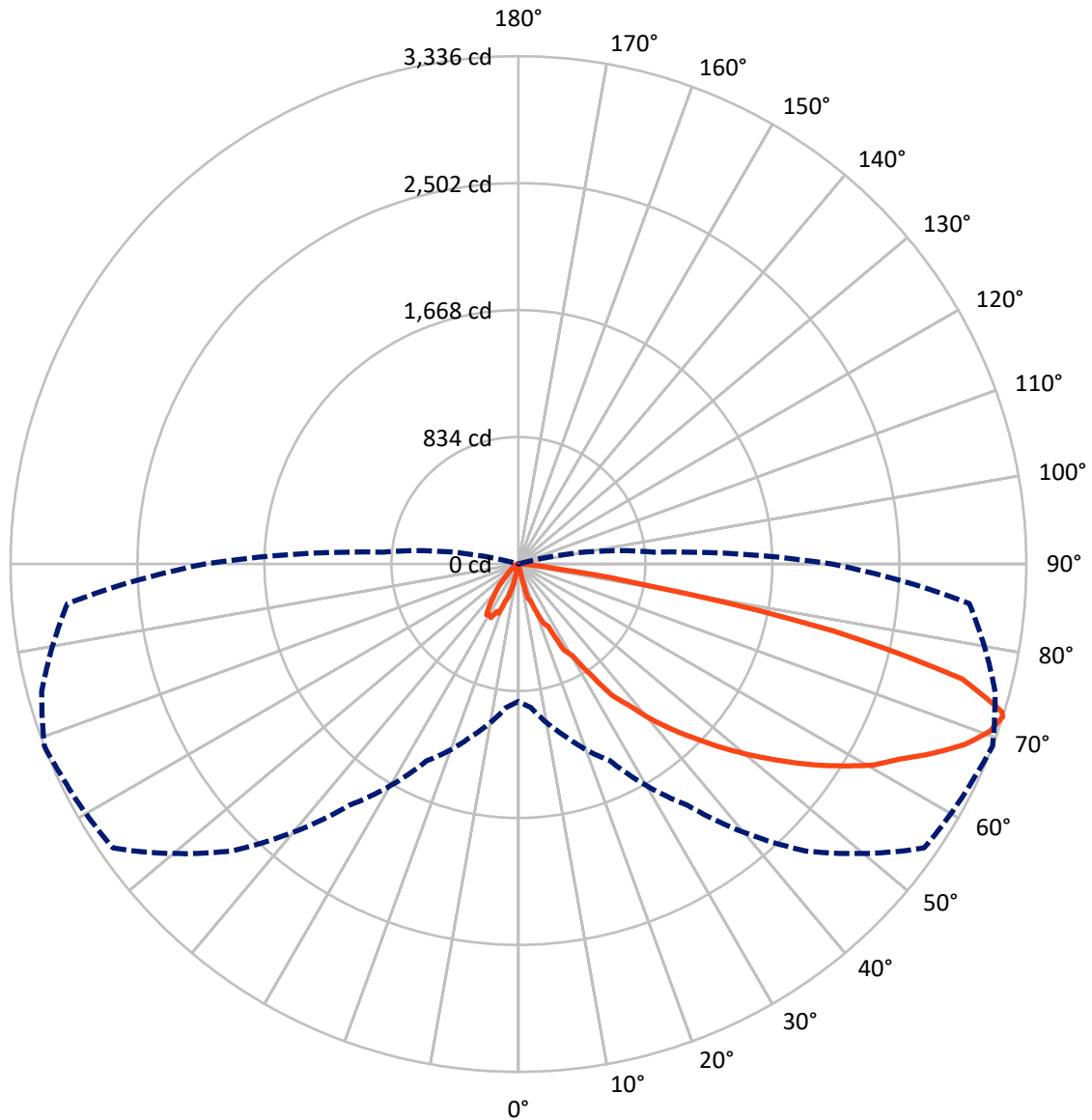


Based on 25 foot mounting height. Maximum calculated value = 1.3 fc  
 Type IV - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



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

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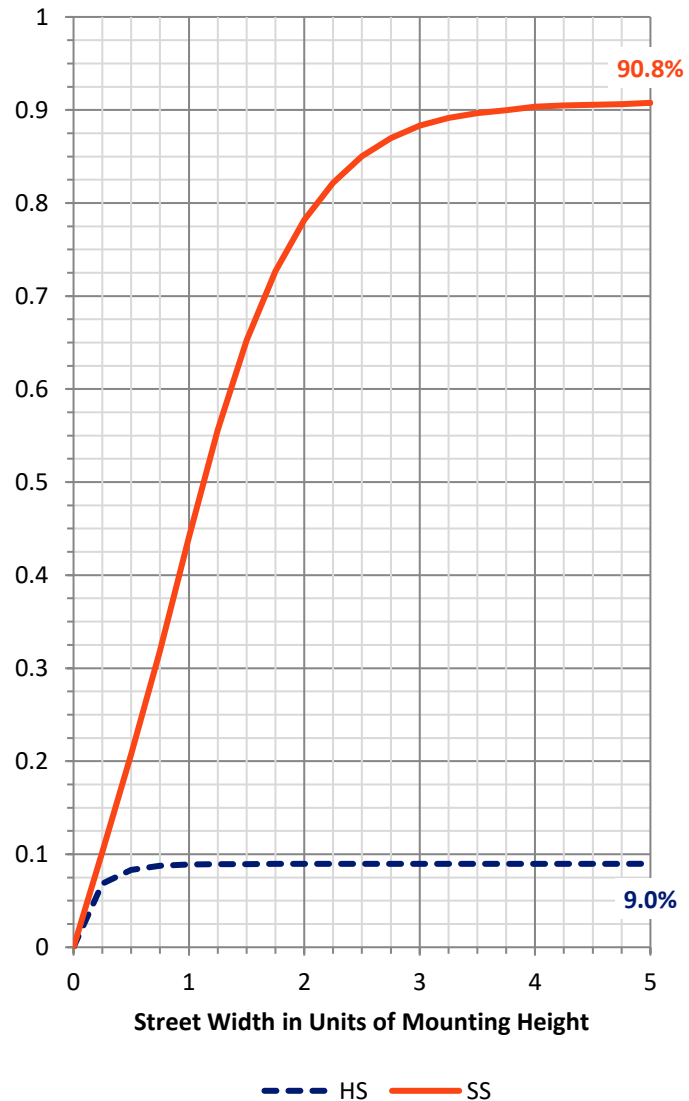
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	450.6	0.0	450.6
	% Fixture	9.1	0.0	9.1
<b>Street Side</b>	Lumens	4518.4	0.0	4518.4
	% Fixture	90.9	0.0	90.9
<b>Total</b>	Lumens	4969.0	0.0	4969.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	3.2	0.1
10°-20°	43.2	0.9
20°-30°	154.8	3.1
30°-40°	395.3	8.0
40°-50°	782.2	15.7
50°-60°	1232.6	24.8
60°-70°	1433.7	28.9
70°-80°	870.3	17.5
80°-90°	53.8	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°	4969.0	100.0
0°-180°	4969.0	100.0



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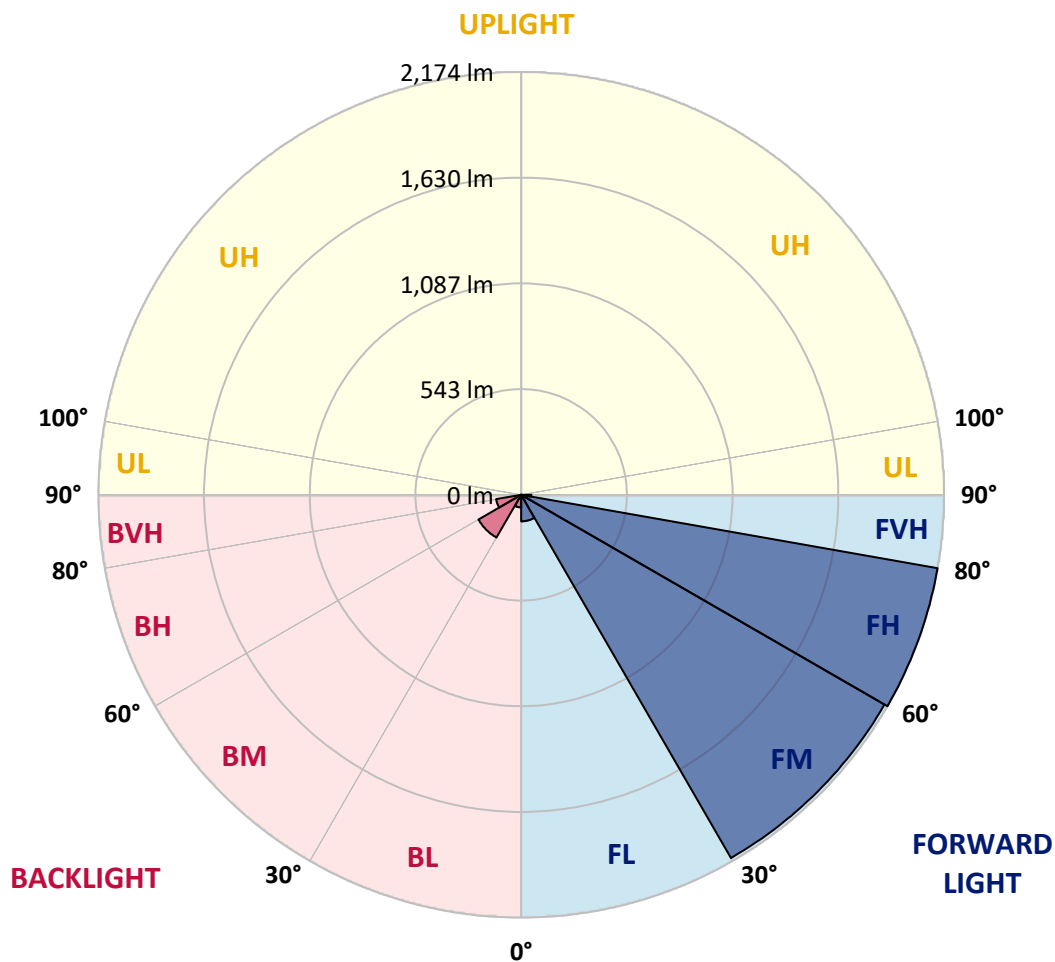
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	136.4	2.7			
FM	(30°-60°)	2156.4	43.4			
FH	(60°-80°)	2173.6	43.7			G2/5000
FVH	(80°-90°)	52.0	1.0			G1/100
BL	(0°-30°)	64.7	1.3	B0/110		
BM	(30°-60°)	253.6	5.1	B1/1000		
BH	(60°-80°)	130.4	2.6	B1/500		G1/500
BVH	(80°-90°)	1.9	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°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
2.5°	0.7	0.7	0.7	0.7	1.4	1.4	2.1	2.1	2.1	2.1	2.1
5°	69.2	45.2	33.9	28.2	14.1	3.5	2.1	2.1	2.1	2.1	2.1
7.5°	106.6	106.6	107.3	108.0	110.2	92.5	19.8	2.1	2.1	2.1	2.1
10°	103.1	102.4	102.4	103.8	106.6	109.4	112.3	14.8	3.5	2.1	2.1
12.5°	201.2	199.1	185.0	129.2	105.9	107.3	113.0	86.1	24.0	14.1	81.2
15°	199.1	198.4	199.8	203.4	204.8	114.4	167.3	227.4	232.3	156.8	189.9
17.5°	217.5	211.1	201.2	202.7	209.0	245.7	236.5	246.4	251.4	175.8	205.5
20°	300.8	300.1	301.5	236.5	221.0	311.4	274.0	267.6	332.6	348.1	386.2
22.5°	307.2	305.7	307.9	314.9	353.8	325.5	396.8	406.0	425.1	470.3	441.3
25°	430.0	430.0	353.1	329.0	403.2	367.9	491.5	461.8	451.9	504.9	567.7
27.5°	519.0	513.3	495.0	459.7	419.4	520.4	523.2	631.3	640.4	704.7	716.7
30°	657.4	649.6	600.9	573.4	520.4	547.2	610.8	750.6	699.8	751.3	803.6
32.5°	973.0	961.7	900.3	722.4	656.0	593.1	732.2	805.7	855.8	995.6	1052.8
35°	1260.4	1187.0	1102.9	967.4	795.1	771.1	790.1	999.1	1058.5	1101.5	1159.4
37.5°	1549.9	1551.3	1467.3	1138.3	1004.8	890.4	952.5	1116.4	1176.4	1239.9	1292.2
40°	1782.2	1746.9	1634.7	1393.2	1185.6	1071.2	1078.9	1230.8	1337.4	1417.2	1427.8
42.5°	2078.8	2064.0	1898.7	1626.2	1419.3	1307.7	1273.8	1348.7	1489.9	1542.9	1575.3
45°	2362.7	2340.8	2200.2	1891.7	1669.2	1544.3	1497.7	1498.4	1637.5	1694.0	1740.6
47.5°	2575.2	2539.9	2464.3	2136.0	1983.5	1802.7	1706.0	1669.2	1804.8	1878.3	1904.4
50°	2797.6	2739.7	2679.7	2412.1	2254.6	2097.9	1912.9	1871.9	1970.1	2052.0	2073.1
52.5°	2946.6	2862.6	2820.9	2609.1	2497.5	2398.0	2119.7	2073.9	2143.8	2240.5	2223.5
55°	2871.1	2844.9	2890.1	2779.3	2671.2	2561.1	2345.0	2307.6	2325.9	2407.1	2366.9
57.5°	2713.6	2721.4	2854.8	2876.0	2827.3	2723.5	2546.9	2540.6	2503.2	2569.5	2517.3
60°	2549.1	2578.0	2763.7	2869.6	2904.9	2870.3	2760.2	2713.6	2680.4	2727.0	2686.1
62.5°	2328.8	2334.4	2583.7	2813.2	2875.3	2984.7	2909.2	2886.6	2818.1	2887.3	2870.3
65°	2052.0	2059.0	2293.5	2619.0	2786.3	3006.6	3025.7	3049.7	2996.7	3015.8	3069.5
67.5°	1742.7	1756.1	1960.9	2275.1	2595.0	2963.6	3122.4	3168.3	3164.1	3158.4	3211.4
70°	1410.8	1420.0	1586.6	1862.0	2285.7	2844.9	3212.1	3270.7	3287.0	3247.4	3210.0
72°	902.4	946.9	1167.2	1427.1	1934.7	2664.9	3252.4	3308.1	3336.4	3241.8	2973.4
72.5°	708.9	744.2	1078.2	1307.7	1814.7	2623.2	3244.6	3295.4	3321.6	3210.7	2873.2
75°	152.5	156.8	337.5	635.5	1144.6	2009.6	2975.6	2981.9	3010.2	2797.6	1967.2
77.5°	65.7	66.4	93.9	209.7	411.0	1027.4	2059.7	2118.3	2116.2	1810.5	951.1
80°	45.9	47.3	55.8	96.0	195.6	297.3	1006.2	1012.6	871.3	647.5	237.3
82.5°	24.0	25.4	39.5	57.2	132.7	108.7	325.5	328.3	242.2	152.5	55.1
85°	4.2	6.4	19.1	34.6	51.5	43.8	71.3	89.7	77.7	60.7	23.3
87.5°	0.7	0.7	4.9	4.9	7.1	4.2	7.1	7.8	8.5	12.7	6.4
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°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
2.5°	2.1	2.1	2.1	2.1	1.4	0.7	0.0	0.0	0.0	0.0	0.0
5°	2.1	2.1	2.1	2.1	1.4	0.7	0.0	0.0	0.0	0.0	0.0
7.5°	2.1	2.1	2.1	2.1	1.4	0.7	0.0	65.0	87.6	93.2	99.6
10°	2.1	2.8	2.1	2.1	1.4	89.0	109.4	110.9	112.3	112.3	111.6
12.5°	89.7	91.8	32.5	6.4	82.6	113.0	107.3	98.1	89.7	86.9	86.1
15°	192.1	192.8	174.4	150.4	160.3	106.6	84.0	95.3	96.7	93.2	93.2
17.5°	206.9	206.9	197.7	241.5	202.7	106.6	88.3	72.7	62.1	59.3	58.6
20°	409.5	358.7	290.2	245.0	165.2	119.3	62.1	53.0	51.5	51.5	53.7
22.5°	442.0	435.7	377.8	330.5	141.9	84.0	60.7	60.7	72.0	70.6	69.9
25°	576.9	568.4	427.9	287.4	141.9	72.0	77.0	67.8	66.4	65.0	63.6
27.5°	729.4	711.8	601.6	259.8	100.3	75.6	73.4	64.3	76.3	76.3	75.6
30°	830.4	764.0	605.8	233.0	84.7	80.5	69.2	74.8	67.8	63.6	63.6
32.5°	1076.1	1045.8	740.7	164.5	80.5	72.7	72.7	64.3	57.2	59.3	58.6
35°	1153.8	1114.2	659.5	123.6	74.1	67.1	60.7	56.5	48.7	43.8	43.1
37.5°	1249.8	1198.3	553.6	95.3	72.7	59.3	50.1	43.1	37.4	37.4	36.7
40°	1367.7	1289.4	452.6	81.2	64.3	50.8	38.8	33.2	29.7	27.5	26.8
42.5°	1497.0	1375.5	348.1	73.4	55.8	41.7	29.0	24.0	21.9	21.2	21.2
45°	1633.2	1455.3	250.0	67.1	48.7	32.5	21.2	16.9	16.2	16.2	16.2
47.5°	1772.3	1513.2	170.2	60.7	41.0	24.0	15.5	12.7	12.7	12.0	12.0
50°	1908.6	1552.7	117.2	54.4	33.2	16.9	11.3	10.6	10.6	9.9	9.9
52.5°	2007.5	1543.6	87.6	47.3	26.1	12.7	9.2	8.5	8.5	8.5	8.5
55°	2103.5	1523.1	72.0	40.2	19.8	9.2	7.1	6.4	6.4	6.4	6.4
57.5°	2202.4	1495.5	62.1	32.5	14.1	7.1	4.9	4.9	4.9	4.9	4.9
60°	2284.3	1441.9	53.7	26.1	9.9	4.9	4.2	3.5	3.5	3.5	3.5
62.5°	2375.4	1387.5	45.9	19.8	7.1	3.5	2.8	2.1	2.1	1.4	2.1
65°	2440.3	1321.1	37.4	14.1	4.9	2.8	2.1	1.4	0.7	0.0	0.7
67.5°	2438.9	1232.9	26.8	9.2	3.5	2.1	1.4	0.7	0.0	0.0	0.0
70°	2332.3	1106.5	18.4	6.4	2.8	1.4	1.4	0.7	0.0	0.0	0.0
72°	2058.3	892.5	14.1	5.6	2.8	1.4	1.4	0.7	0.0	0.0	0.0
72.5°	1962.3	819.1	12.7	4.9	2.8	1.4	1.4	0.7	0.0	0.0	0.0
75°	1246.3	341.1	9.9	4.2	2.8	1.4	1.4	0.7	0.7	0.7	0.0
77.5°	579.0	125.0	7.1	3.5	2.1	1.4	1.4	0.7	0.7	1.4	0.0
80°	126.4	36.7	4.9	3.5	2.1	1.4	1.4	1.4	1.4	2.1	0.0
82.5°	29.0	12.0	4.2	2.8	2.1	1.4	1.4	1.4	1.4	2.1	0.0
85°	10.6	7.1	4.2	3.5	2.8	1.4	1.4	2.1	2.1	2.8	0.0
87.5°	4.2	4.2	3.5	3.5	2.8	1.4	2.1	2.1	2.8	2.8	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)