

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: P415535

Luminaire Tested: **LXF.LXT-PA1-50-740-U-T4W-HSS**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P415535  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-27)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-50-740-U-T4W-HSS  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 4000K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4875 lumens  
Efficiency: N/A  
Efficacy: 90.3 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

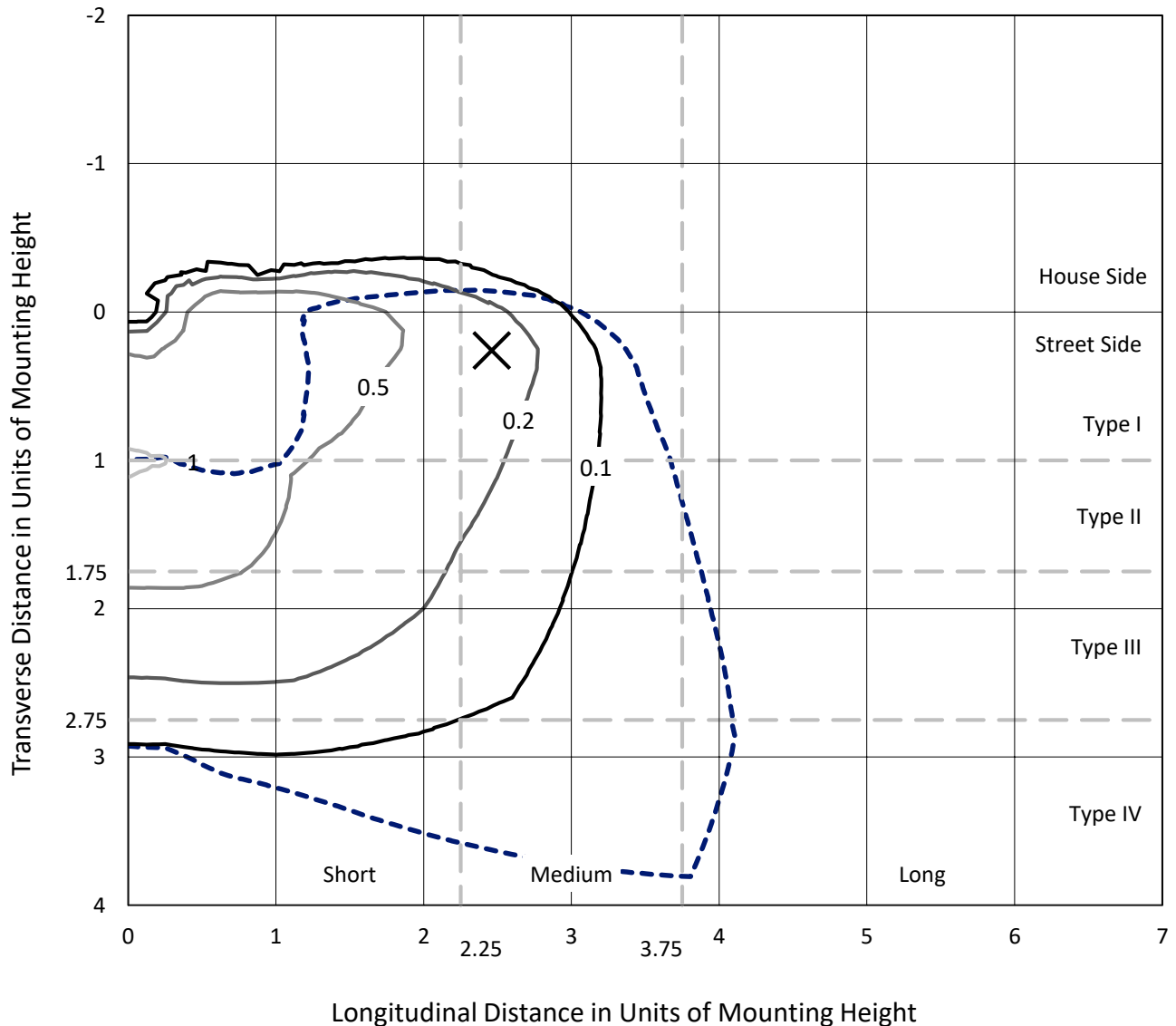
Input Watts (W): 54  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

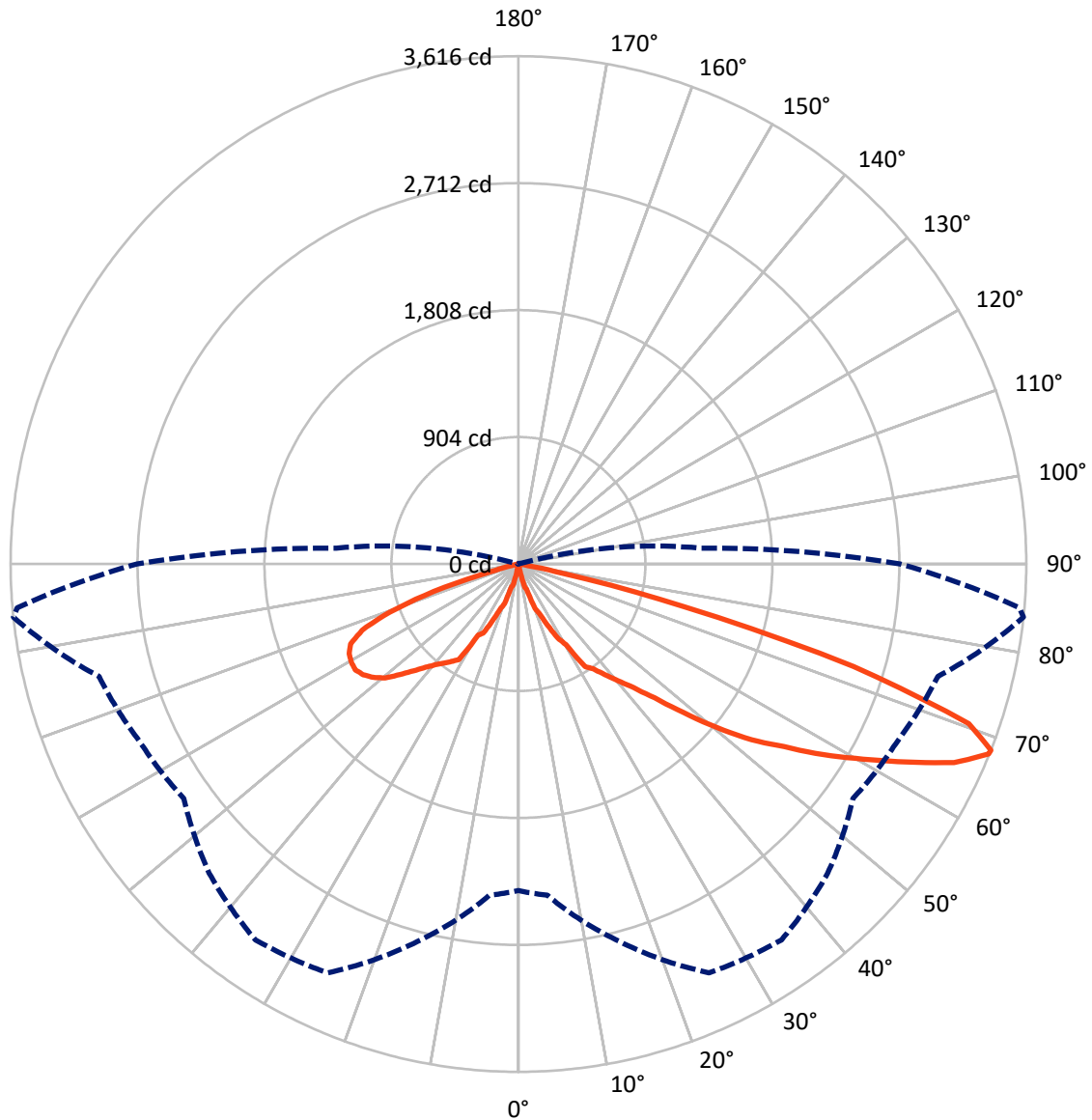
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 fc  
 Type IV - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 84-Deg Lateral    - - - Horizontal Cone Through 68-Deg Vertical

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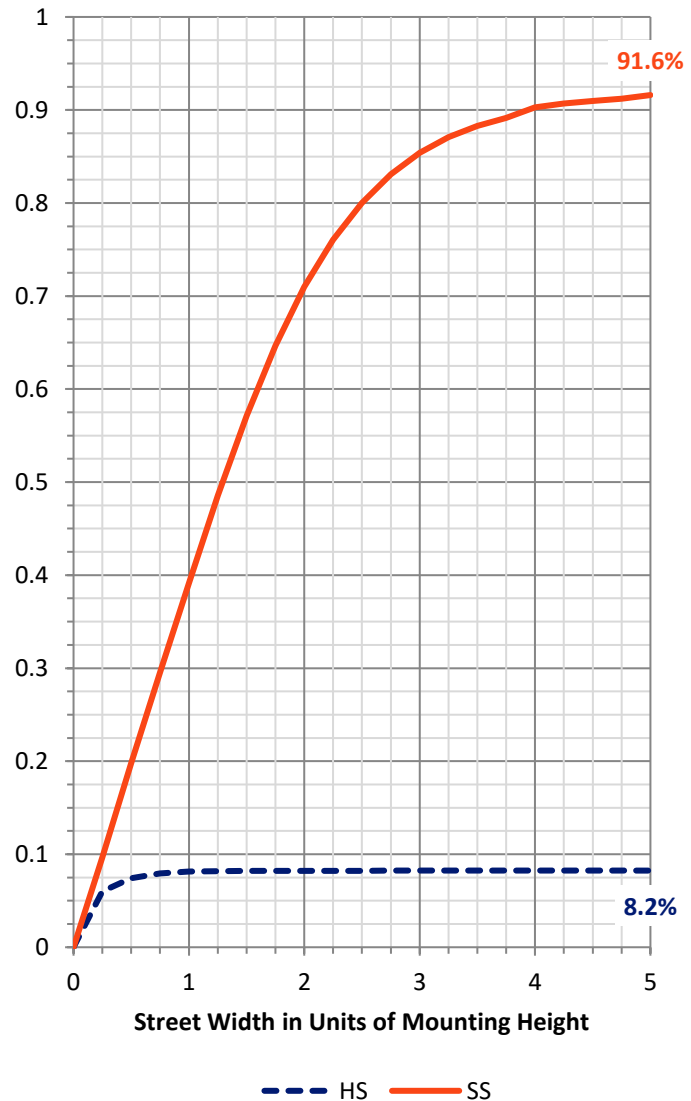
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	405.1	0.0	405.1
	% Fixture	8.3	0.0	8.3
<b>Street Side</b>	Lumens	4469.9	0.0	4469.9
	% Fixture	91.7	0.0	91.7
<b>Total</b>	Lumens	4875.0	0.0	4875.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	3.2	0.1
10°-20°	44.1	0.9
20°-30°	158.1	3.2
30°-40°	337.6	6.9
40°-50°	603.2	12.4
50°-60°	1070.3	22.0
60°-70°	1538.1	31.6
70°-80°	1035.4	21.2
80°-90°	85.1	1.7
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°	4875.0	100.0
0°-180°	4875.0	100.0



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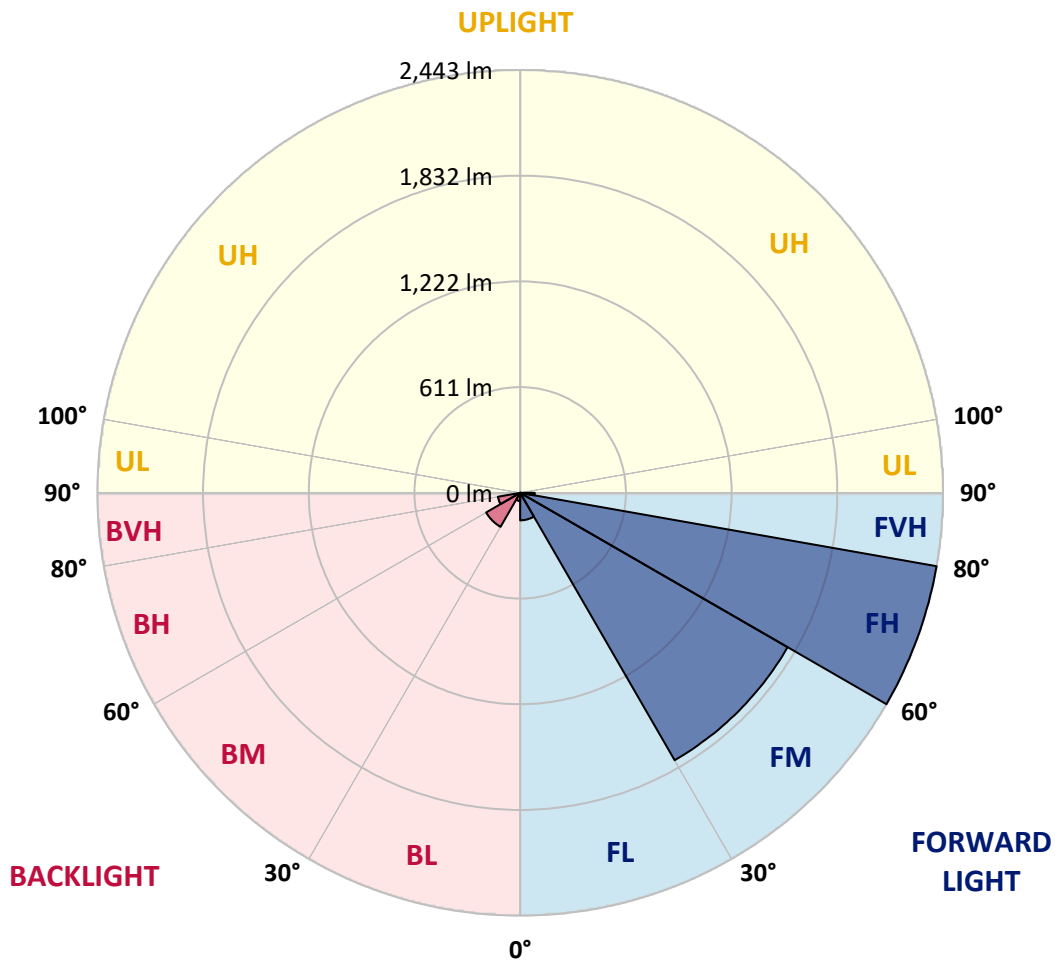
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	158.9	3.3			
FM	(30°-60°)	1784.1	36.6			
FH	(60°-80°)	2443.1	50.1			G2/5000
FVH	(80°-90°)	83.8	1.7			G1/100
BL	(0°-30°)	46.5	1.0	B0/110		
BM	(30°-60°)	227.0	4.7	B1/1000		
BH	(60°-80°)	130.4	2.7	B1/500		G1/500
BVH	(80°-90°)	1.3	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**

Type IV Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	84°	85°
0°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
2.5°	0.7	0.7	0.0	0.7	0.7	1.4	1.4	2.1	2.1	2.1	2.1
5°	37.4	31.8	31.1	27.5	19.8	4.9	1.4	2.1	2.1	2.1	2.1
7.5°	134.2	132.0	130.6	127.8	125.0	96.0	19.1	2.1	2.1	2.1	2.1
10°	144.0	141.2	139.1	135.6	131.3	126.4	120.7	15.5	2.1	2.1	2.1
12.5°	298.0	294.4	204.1	168.7	139.1	132.0	127.8	66.4	61.4	69.9	79.8
15°	313.5	310.7	302.9	293.0	263.4	149.0	200.5	249.2	162.4	173.0	173.0
17.5°	349.5	343.9	317.0	302.2	290.2	319.1	293.0	266.9	175.1	185.7	185.7
20°	489.3	487.9	480.1	335.4	305.0	403.9	319.1	284.5	323.4	337.5	321.3
22.5°	493.5	492.1	486.5	467.4	479.4	415.2	458.2	430.0	441.3	385.5	382.7
25°	654.5	648.9	519.7	475.9	540.8	442.7	545.1	474.5	466.0	481.5	481.5
27.5°	666.5	665.1	660.9	633.3	555.0	627.0	561.3	614.3	626.3	595.2	611.4
30°	759.0	712.4	687.7	671.5	653.8	658.0	655.2	706.8	652.4	665.1	658.0
32.5°	883.3	879.0	866.3	715.9	726.5	687.0	764.0	756.2	843.7	871.3	867.0
35°	1056.3	988.5	905.9	828.2	754.1	816.2	789.4	879.8	901.6	914.3	940.5
37.5°	1208.1	1186.2	1109.2	878.3	835.3	840.2	903.1	942.6	975.1	997.7	1009.0
40°	1347.2	1330.9	1279.4	1026.6	879.0	912.2	963.8	985.7	1049.9	1091.6	1092.3
42.5°	1553.3	1563.2	1515.2	1160.8	997.7	1013.2	1057.0	1060.5	1117.7	1201.0	1203.8
45°	1811.0	1797.6	1785.6	1355.6	1110.6	1100.7	1161.5	1153.0	1241.3	1358.5	1372.6
47.5°	2059.6	2040.5	2008.0	1580.2	1267.4	1198.9	1283.6	1290.7	1428.4	1578.0	1583.7
50°	2251.6	2244.6	2212.1	1841.4	1475.7	1334.5	1419.2	1502.5	1648.7	1828.7	1840.7
52.5°	2463.4	2447.2	2390.0	2086.4	1743.3	1538.5	1581.6	1727.7	1880.9	2078.6	2077.2
55°	2604.7	2606.8	2552.4	2336.4	1986.1	1769.4	1786.3	2010.9	2092.8	2294.7	2309.5
57.5°	2792.5	2776.9	2791.8	2630.1	2315.2	2003.8	2043.3	2237.5	2310.9	2560.2	2570.1
60°	2932.3	2937.9	3011.3	2901.2	2570.1	2242.4	2276.3	2422.5	2528.4	2820.0	2851.1
62.5°	2937.2	2967.6	3165.3	3173.0	2846.1	2500.9	2479.0	2611.7	2704.9	3102.4	3139.9
65°	2668.2	2686.6	3132.1	3245.1	3102.4	2754.3	2671.7	2771.3	2879.3	3408.2	3415.2
67.5°	2398.5	2404.1	2834.1	3223.9	3256.4	3058.7	2877.2	2945.7	3050.2	3609.4	3584.7
68°	2325.1	2367.4	2782.6	3211.9	3266.2	3113.7	2908.3	2978.9	3091.8	3615.7	3581.1
70°	2107.6	2152.8	2534.8	3077.7	3261.3	3321.3	3078.4	3088.3	3118.0	3402.5	3291.7
72.5°	1417.1	1447.4	2005.9	2619.5	3155.4	3562.8	3268.4	3023.4	2797.4	2494.5	2396.4
75°	545.1	548.6	1011.1	1800.5	2728.2	3442.0	3067.8	2548.9	1900.0	1214.4	1140.3
77.5°	203.3	199.8	293.0	834.6	1732.0	2674.6	2290.5	1562.5	791.5	318.4	311.4
80°	72.0	74.1	113.7	251.4	703.9	1562.5	1275.1	636.2	233.0	70.6	65.0
82.5°	28.2	30.4	57.9	119.3	302.2	655.9	544.4	270.4	136.3	26.8	25.4
85°	6.4	7.1	22.6	59.3	115.1	189.9	191.3	165.2	113.0	12.7	12.0
87.5°	0.7	1.4	6.4	7.8	9.2	4.9	16.2	16.9	31.1	4.9	4.9
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°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
2.5°	2.1	2.1	2.1	1.4	1.4	0.7	0.0	0.0	0.0	0.0	0.0
5°	2.1	2.1	2.1	1.4	1.4	0.7	0.0	0.0	0.0	0.0	0.0
7.5°	2.1	2.1	2.1	1.4	0.7	0.7	0.0	62.1	64.3	66.4	67.1
10°	2.1	2.1	2.1	1.4	1.4	65.0	76.3	73.4	68.5	66.4	67.1
12.5°	77.0	74.8	24.0	4.9	59.3	71.3	58.6	48.7	43.8	40.2	40.2
15°	168.0	161.7	134.9	103.1	96.7	55.1	37.4	31.8	46.6	56.5	56.5
17.5°	178.6	170.9	151.1	149.7	98.1	48.0	38.8	50.1	53.0	55.8	55.8
20°	346.0	310.0	213.2	143.3	72.0	58.6	48.7	48.0	50.1	53.7	54.4
22.5°	370.7	353.0	268.3	173.7	65.7	63.5	56.5	53.7	72.0	78.4	78.4
25°	470.9	454.0	288.8	138.4	79.8	65.0	71.3	67.1	68.5	74.1	74.1
27.5°	602.3	571.2	379.2	116.5	74.1	70.6	72.7	67.1	79.1	93.9	93.9
30°	667.2	605.1	362.9	103.1	75.5	77.0	69.9	81.9	81.9	87.6	88.3
32.5°	890.3	847.3	408.8	86.8	75.5	70.6	76.3	77.7	76.3	98.8	99.6
35°	947.5	896.0	350.2	90.4	72.0	68.5	68.5	77.0	81.9	86.8	87.6
37.5°	1017.4	950.4	275.4	84.7	74.8	66.4	62.8	65.7	72.0	84.7	85.4
40°	1106.4	1009.7	211.8	79.8	69.9	60.7	57.2	60.0	60.0	63.5	64.3
42.5°	1226.4	1080.3	156.7	76.3	65.7	55.8	50.1	46.6	44.5	43.8	44.5
45°	1390.9	1170.6	117.2	72.7	62.8	49.4	41.7	33.9	28.2	28.2	28.9
47.5°	1586.5	1271.6	95.3	67.1	58.6	42.4	31.8	21.9	17.7	18.4	19.1
50°	1794.8	1378.2	83.3	62.1	53.7	34.6	21.2	13.4	11.3	12.0	12.7
52.5°	1987.6	1447.4	78.4	57.2	47.3	26.8	13.4	9.2	8.5	8.5	9.2
55°	2181.0	1499.7	74.1	52.2	38.1	17.7	7.8	7.1	7.1	6.4	6.4
57.5°	2361.1	1530.7	67.1	45.2	26.8	10.6	5.6	5.6	4.9	4.9	4.9
60°	2526.3	1527.2	53.7	33.9	16.9	6.4	4.2	4.2	3.5	3.5	3.5
62.5°	2695.0	1511.7	38.1	24.0	11.3	4.2	2.8	2.8	2.1	1.4	2.1
65°	2796.7	1467.9	25.4	16.9	7.1	2.8	2.1	1.4	0.7	0.0	0.7
67.5°	2754.3	1340.8	19.1	12.7	4.9	2.1	1.4	0.7	0.0	0.0	0.0
68°	2715.5	1300.6	17.7	12.0	4.2	2.1	1.4	0.7	0.0	0.0	0.0
70°	2409.8	1083.8	15.5	9.9	3.5	2.1	1.4	0.7	0.0	0.0	0.0
72.5°	1607.7	703.9	12.7	7.8	2.8	1.4	1.4	0.7	0.0	0.0	0.0
75°	741.4	225.9	9.9	6.4	2.1	1.4	1.4	0.7	0.0	0.0	0.0
77.5°	197.7	48.0	6.4	4.2	2.1	1.4	1.4	0.7	0.7	0.7	0.0
80°	47.3	14.8	4.2	3.5	2.1	1.4	1.4	0.7	0.7	0.7	0.0
82.5°	17.7	7.8	2.8	2.8	2.1	1.4	1.4	0.7	1.4	1.4	0.0
85°	7.8	4.9	2.8	2.8	2.1	1.4	1.4	1.4	1.4	2.1	0.0
87.5°	3.5	3.5	2.8	2.8	2.8	1.4	2.1	2.1	2.1	2.1	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)