

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: P416046

Luminaire Tested: **LXF.LXT-PA1-60-760-U-T3-HSS**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P416046  
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-PA1-60-760-U-T3-HSS  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 5700K, 800mA 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: 5740 lumens  
Efficiency: N/A  
Efficacy: 89.7 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

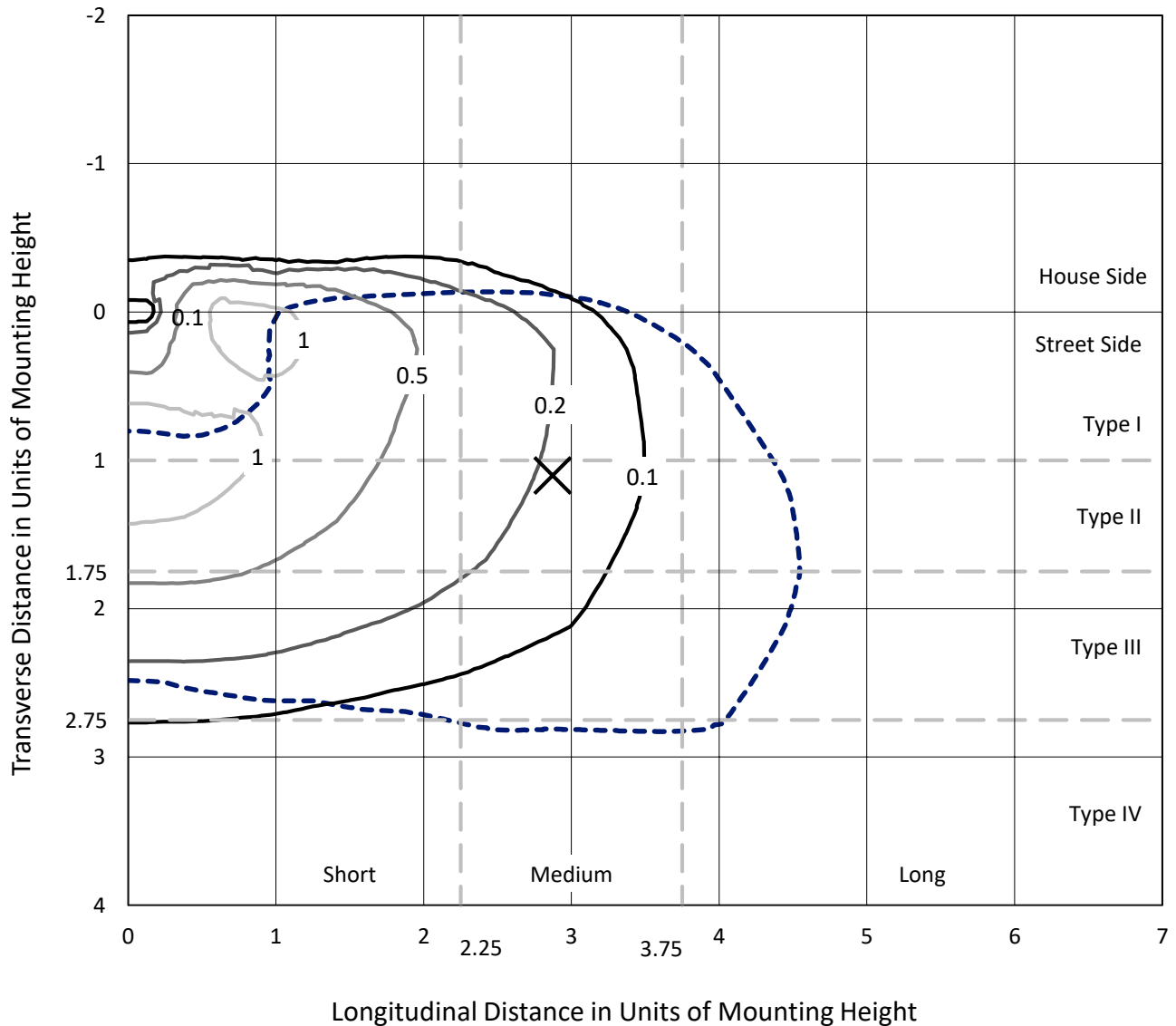
Input Watts (W): 64  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

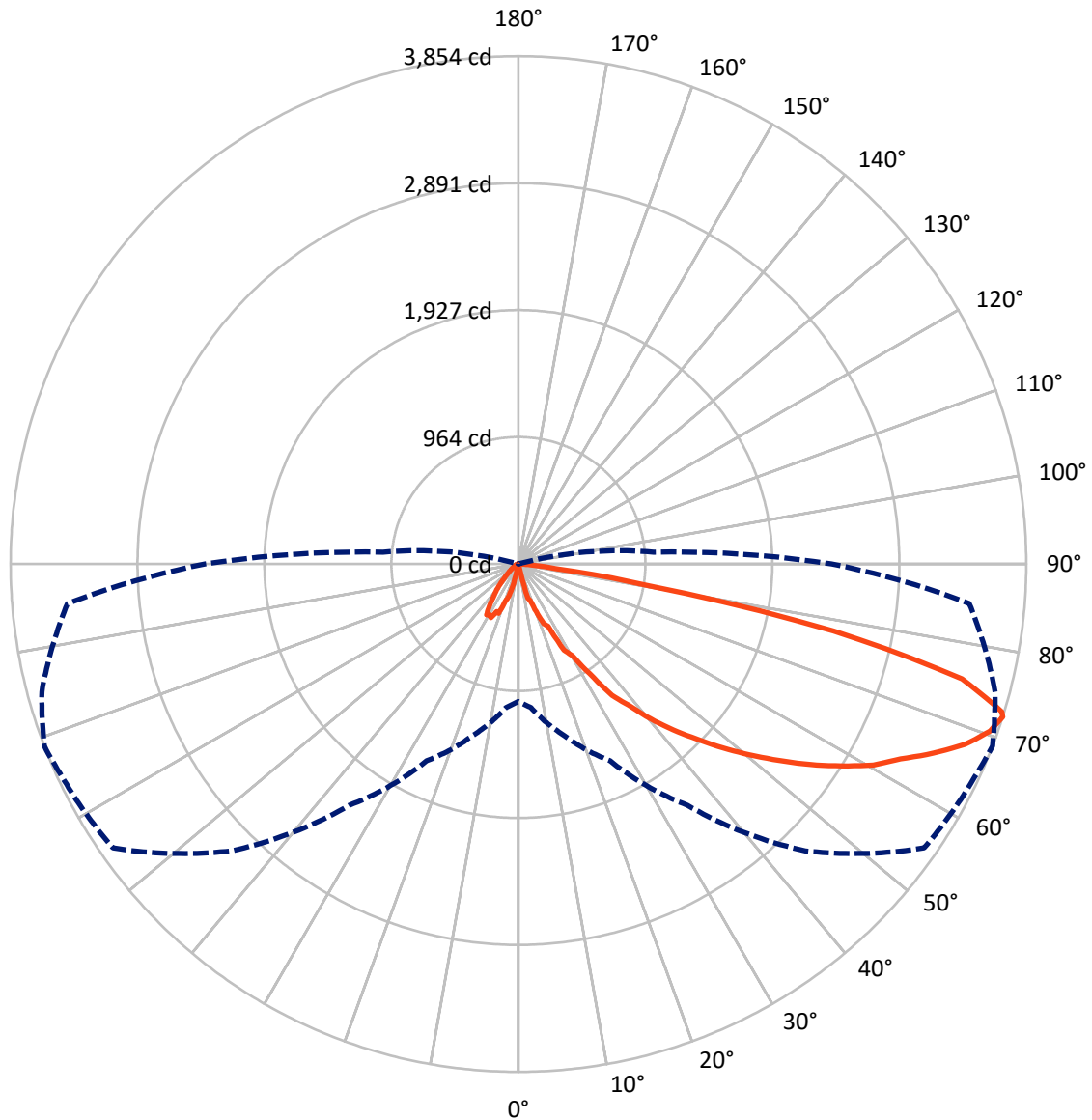


Based on 25 foot mounting height. Maximum calculated value = 1.5 fc  
 Type IV - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



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

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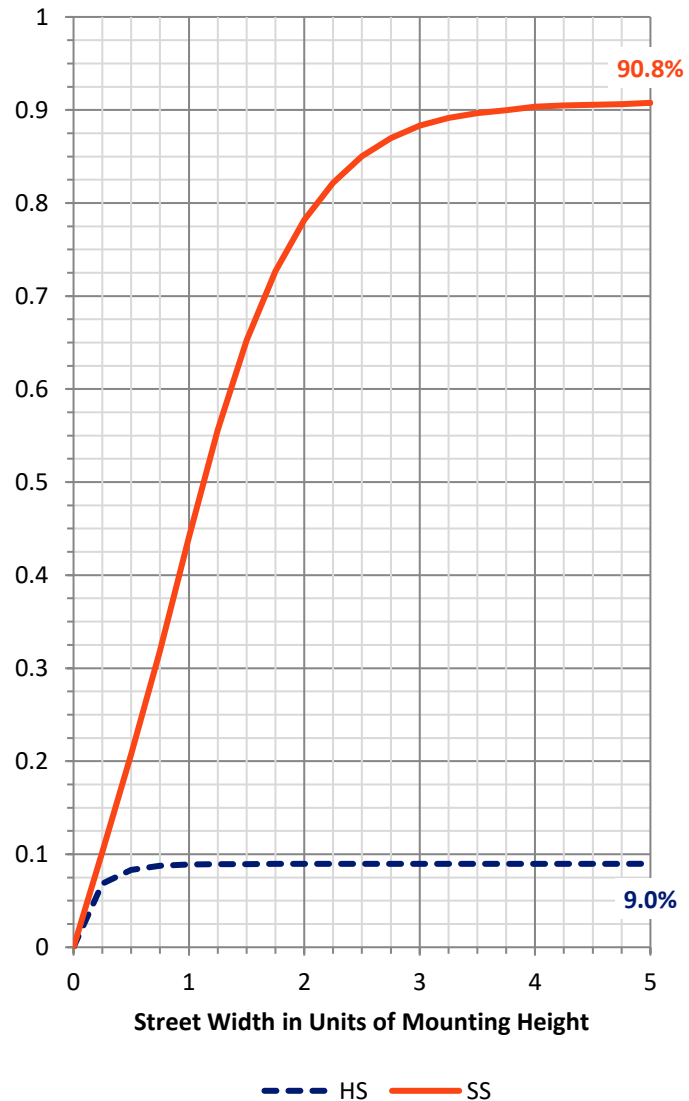
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	520.5	0.0	520.5
	% Fixture	9.1	0.0	9.1
<b>Street Side</b>	Lumens	5219.5	0.0	5219.5
	% Fixture	90.9	0.0	90.9
<b>Total</b>	Lumens	5740.0	0.0	5740.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	3.7	0.1
10°-20°	49.9	0.9
20°-30°	178.8	3.1
30°-40°	456.6	8.0
40°-50°	903.5	15.7
50°-60°	1423.8	24.8
60°-70°	1656.1	28.9
70°-80°	1005.3	17.5
80°-90°	62.2	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°	5740.0	100.0
0°-180°	5740.0	100.0



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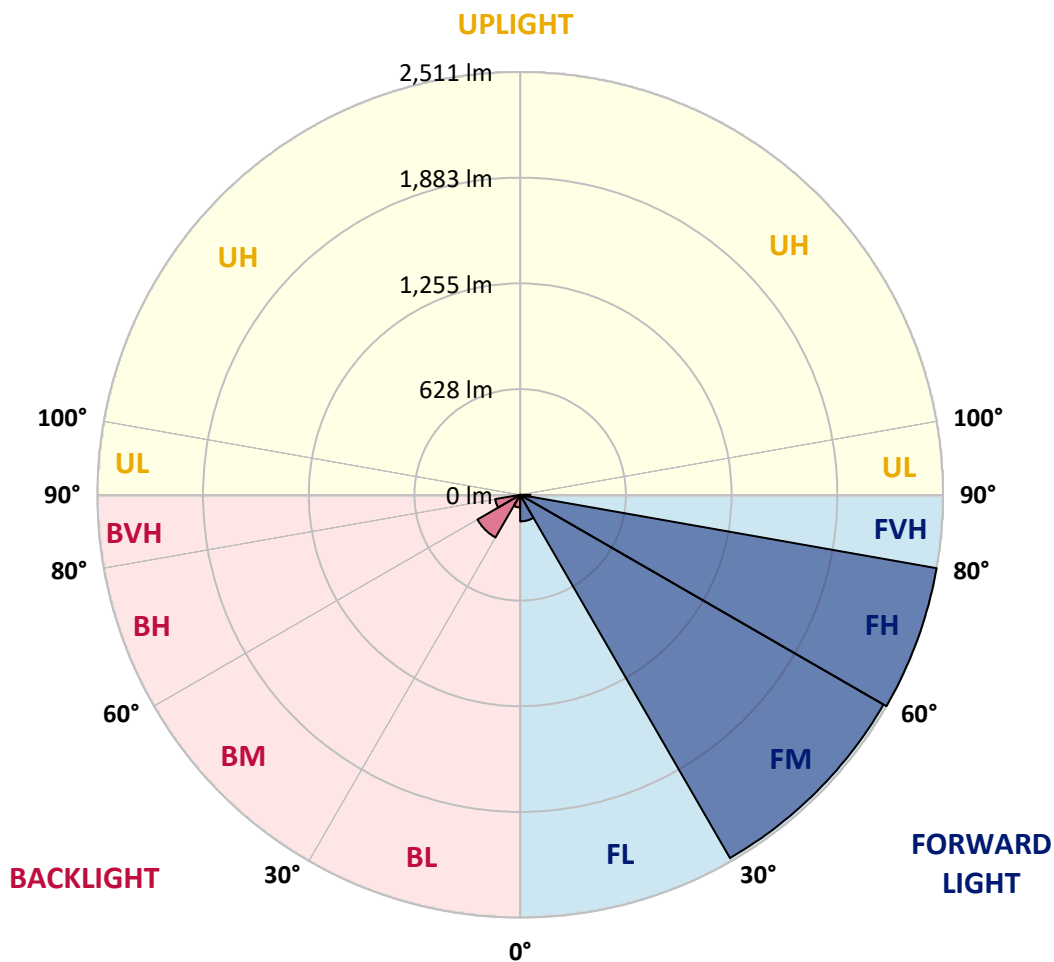
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	157.6	2.7			
FM	(30°-60°)	2491.0	43.4			
FH	(60°-80°)	2510.8	43.7			G2/5000
FVH	(80°-90°)	60.0	1.0			G1/100
BL	(0°-30°)	74.8	1.3	B0/110		
BM	(30°-60°)	293.0	5.1	B1/1000		
BH	(60°-80°)	150.6	2.6	B1/500		G1/500
BVH	(80°-90°)	2.2	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°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
2.5°	0.8	0.8	0.8	0.8	1.6	1.6	2.4	2.4	2.4	2.4	2.4
5°	79.9	52.2	39.2	32.6	16.3	4.1	2.4	2.4	2.4	2.4	2.4
7.5°	123.2	123.2	124.0	124.8	127.2	106.9	22.8	2.4	2.4	2.4	2.4
10°	119.1	118.3	118.3	119.9	123.2	126.4	129.7	17.1	4.1	2.4	2.4
12.5°	232.5	230.0	213.7	149.3	122.4	124.0	130.5	99.5	27.7	16.3	93.8
15°	230.0	229.2	230.8	234.9	236.5	132.1	193.3	262.6	268.4	181.1	219.4
17.5°	251.2	243.9	232.5	234.1	241.4	283.9	273.3	284.7	290.4	203.1	237.4
20°	347.5	346.7	348.3	273.3	255.3	359.7	316.5	309.1	384.2	402.1	446.2
22.5°	354.8	353.2	355.6	363.8	408.7	376.0	458.4	469.0	491.0	543.2	509.8
25°	496.7	496.7	407.8	380.1	465.8	425.0	567.7	533.5	522.0	583.2	655.8
27.5°	599.5	593.0	571.8	531.0	484.5	601.2	604.4	729.2	739.8	814.0	827.9
30°	759.4	750.4	694.1	662.3	601.2	632.1	705.6	867.1	808.3	867.9	928.2
32.5°	1124.0	1110.9	1040.0	834.4	757.8	685.2	845.9	930.7	988.6	1150.1	1216.2
35°	1456.0	1371.1	1274.1	1117.5	918.4	890.7	912.7	1154.2	1222.7	1272.5	1339.3
37.5°	1790.4	1792.0	1695.0	1314.9	1160.7	1028.6	1100.3	1289.6	1358.9	1432.3	1492.7
40°	2058.8	2018.0	1888.3	1609.3	1369.5	1237.4	1246.4	1421.7	1544.9	1637.1	1649.3
42.5°	2401.3	2384.2	2193.3	1878.5	1639.5	1510.6	1471.5	1557.9	1721.1	1782.2	1819.8
45°	2729.2	2704.0	2541.6	2185.2	1928.3	1783.9	1730.0	1730.9	1891.5	1956.8	2010.6
47.5°	2974.8	2934.0	2846.7	2467.4	2291.2	2082.4	1970.7	1928.3	2084.9	2169.7	2199.9
50°	3231.7	3164.8	3095.5	2786.3	2604.4	2423.4	2209.7	2162.4	2275.7	2370.3	2394.8
52.5°	3403.8	3306.7	3258.6	3013.9	2885.0	2770.0	2448.7	2395.6	2476.4	2588.1	2568.6
55°	3316.5	3286.4	3338.6	3210.5	3085.7	2958.5	2708.9	2665.6	2686.8	2780.6	2734.1
57.5°	3134.6	3143.6	3297.8	3322.2	3266.0	3146.1	2942.1	2934.8	2891.6	2968.2	2907.9
60°	2944.6	2978.0	3192.5	3314.9	3355.7	3315.7	3188.5	3134.6	3096.3	3150.1	3102.8
62.5°	2690.1	2696.6	2984.6	3249.6	3321.4	3447.9	3360.6	3334.5	3255.4	3335.3	3315.7
65°	2370.3	2378.5	2649.3	3025.3	3218.7	3473.1	3495.2	3522.9	3461.7	3483.7	3545.7
67.5°	2013.1	2028.6	2265.1	2628.1	2997.6	3423.4	3606.9	3659.9	3655.0	3648.5	3709.7
70°	1629.7	1640.3	1832.8	2150.9	2640.3	3286.4	3710.5	3778.2	3797.0	3751.3	3708.1
72°	1042.4	1093.8	1348.3	1648.5	2234.9	3078.4	3757.0	3821.4	3854.1	3744.8	3434.8
72.5°	818.9	859.7	1245.5	1510.6	2096.3	3030.2	3748.0	3806.8	3836.9	3708.9	3319.0
75°	176.2	181.1	389.9	734.1	1322.2	2321.4	3437.3	3444.6	3477.2	3231.7	2272.5
77.5°	75.9	76.7	108.5	242.3	474.7	1186.8	2379.3	2447.0	2444.6	2091.4	1098.7
80°	53.0	54.7	64.4	110.9	225.9	343.4	1162.3	1169.7	1006.5	748.0	274.1
82.5°	27.7	29.4	45.7	66.1	153.3	125.6	376.0	379.3	279.8	176.2	63.6
85°	4.9	7.3	22.0	40.0	59.5	50.6	82.4	103.6	89.7	70.1	26.9
87.5°	0.8	0.8	5.7	5.7	8.2	4.9	8.2	9.0	9.8	14.7	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



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
2.5°	2.4	2.4	2.4	2.4	1.6	0.8	0.0	0.0	0.0	0.0	0.0
5°	2.4	2.4	2.4	2.4	1.6	0.8	0.0	0.0	0.0	0.0	0.0
7.5°	2.4	2.4	2.4	2.4	1.6	0.8	0.0	75.0	101.1	107.7	115.0
10°	2.4	3.3	2.4	2.4	1.6	102.8	126.4	128.1	129.7	129.7	128.9
12.5°	103.6	106.0	37.5	7.3	95.4	130.5	124.0	113.4	103.6	100.3	99.5
15°	221.9	222.7	201.5	173.7	185.2	123.2	97.1	110.1	111.7	107.7	107.7
17.5°	239.0	239.0	228.4	279.0	234.1	123.2	102.0	84.0	71.8	68.5	67.7
20°	473.1	414.4	335.2	283.0	190.9	137.8	71.8	61.2	59.5	59.5	62.0
22.5°	510.6	503.3	436.4	381.7	164.0	97.1	70.1	70.1	83.2	81.6	80.8
25°	666.4	656.6	494.3	332.0	164.0	83.2	88.9	78.3	76.7	75.0	73.4
27.5°	842.6	822.2	695.0	300.2	115.8	87.3	84.8	74.2	88.1	88.1	87.3
30°	959.2	882.6	699.8	269.2	97.9	93.0	79.9	86.5	78.3	73.4	73.4
32.5°	1243.1	1208.0	855.6	190.1	93.0	84.0	84.0	74.2	66.1	68.5	67.7
35°	1332.8	1287.1	761.8	142.7	85.6	77.5	70.1	65.3	56.3	50.6	49.8
37.5°	1443.7	1384.2	639.5	110.1	84.0	68.5	57.9	49.8	43.2	43.2	42.4
40°	1580.0	1489.4	522.8	93.8	74.2	58.7	44.9	38.3	34.3	31.8	31.0
42.5°	1729.2	1588.9	402.1	84.8	64.4	48.1	33.4	27.7	25.3	24.5	24.5
45°	1886.7	1681.1	288.7	77.5	56.3	37.5	24.5	19.6	18.8	18.8	18.8
47.5°	2047.3	1748.0	196.6	70.1	47.3	27.7	17.9	14.7	14.7	13.9	13.9
50°	2204.8	1793.7	135.4	62.8	38.3	19.6	13.1	12.2	12.2	11.4	11.4
52.5°	2319.0	1783.1	101.1	54.7	30.2	14.7	10.6	9.8	9.8	9.8	9.8
55°	2429.9	1759.4	83.2	46.5	22.8	10.6	8.2	7.3	7.3	7.3	7.3
57.5°	2544.1	1727.6	71.8	37.5	16.3	8.2	5.7	5.7	5.7	5.7	5.7
60°	2638.7	1665.6	62.0	30.2	11.4	5.7	4.9	4.1	4.1	4.1	4.1
62.5°	2743.9	1602.8	53.0	22.8	8.2	4.1	3.3	2.4	2.4	1.6	2.4
65°	2819.0	1526.1	43.2	16.3	5.7	3.3	2.4	1.6	0.8	0.0	0.8
67.5°	2817.3	1424.2	31.0	10.6	4.1	2.4	1.6	0.8	0.0	0.0	0.0
70°	2694.2	1278.2	21.2	7.3	3.3	1.6	1.6	0.8	0.0	0.0	0.0
72°	2377.7	1031.0	16.3	6.5	3.3	1.6	1.6	0.8	0.0	0.0	0.0
72.5°	2266.8	946.2	14.7	5.7	3.3	1.6	1.6	0.8	0.0	0.0	0.0
75°	1439.7	394.0	11.4	4.9	3.3	1.6	1.6	0.8	0.8	0.8	0.0
77.5°	668.9	144.4	8.2	4.1	2.4	1.6	1.6	0.8	0.8	1.6	0.0
80°	146.0	42.4	5.7	4.1	2.4	1.6	1.6	1.6	1.6	2.4	0.0
82.5°	33.4	13.9	4.9	3.3	2.4	1.6	1.6	1.6	1.6	2.4	0.0
85°	12.2	8.2	4.9	4.1	3.3	1.6	1.6	2.4	2.4	3.3	0.0
87.5°	4.9	4.9	4.1	4.1	3.3	1.6	2.4	2.4	3.3	3.3	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)