

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: P417147

Luminaire Tested: **LXF.LXT-PA1-90-730-U-T4W-HSS**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P417147  
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-PA1-90-730-U-T4W-HSS  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 1180mA 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: 6780 lumens  
Efficiency: N/A  
Efficacy: 72.1 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

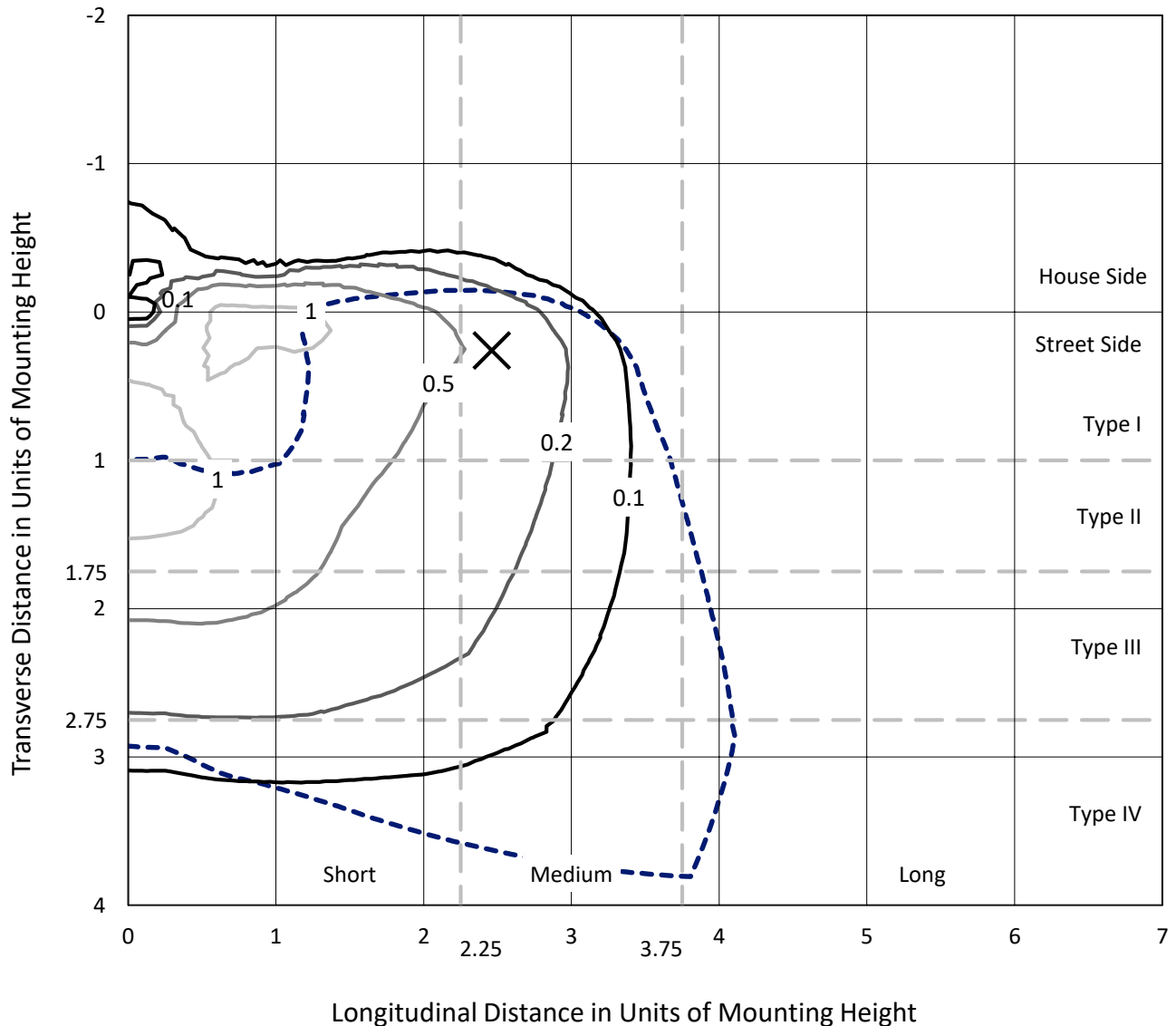
Input Watts (W): 94  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

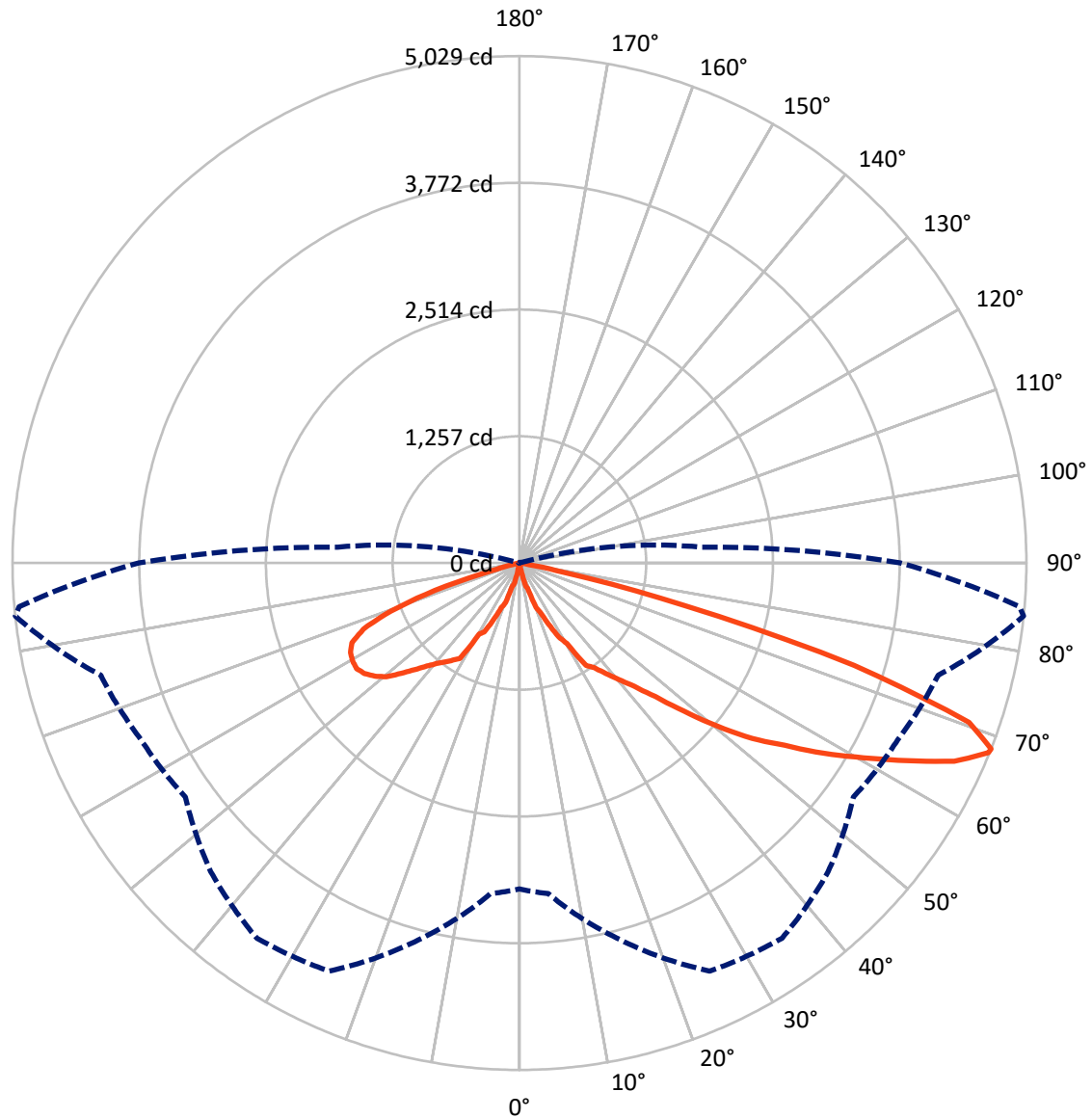
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 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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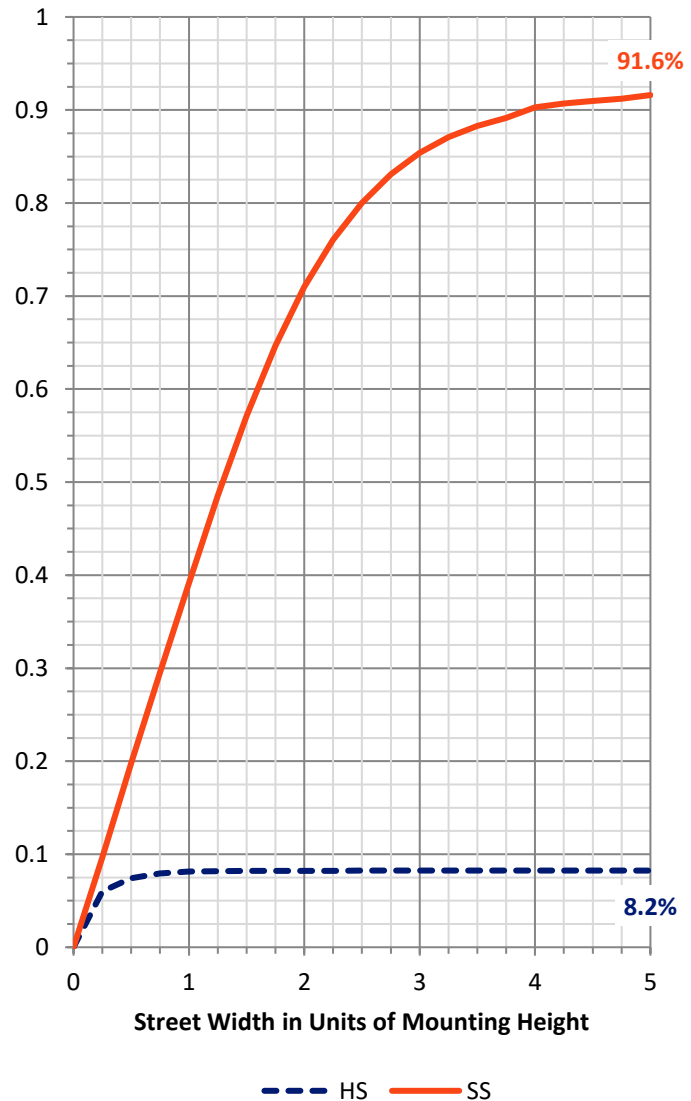
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	563.4	0.0	563.4
	% Fixture	8.3	0.0	8.3
<b>Street Side</b>	Lumens	6216.6	0.0	6216.6
	% Fixture	91.7	0.0	91.7
<b>Total</b>	Lumens	6780.0	0.0	6780.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	4.5	0.1
10°-20°	61.4	0.9
20°-30°	219.8	3.2
30°-40°	469.5	6.9
40°-50°	838.9	12.4
50°-60°	1488.5	22.0
60°-70°	2139.1	31.6
70°-80°	1440.0	21.2
80°-90°	118.3	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°	6780.0	100.0
0°-180°	6780.0	100.0



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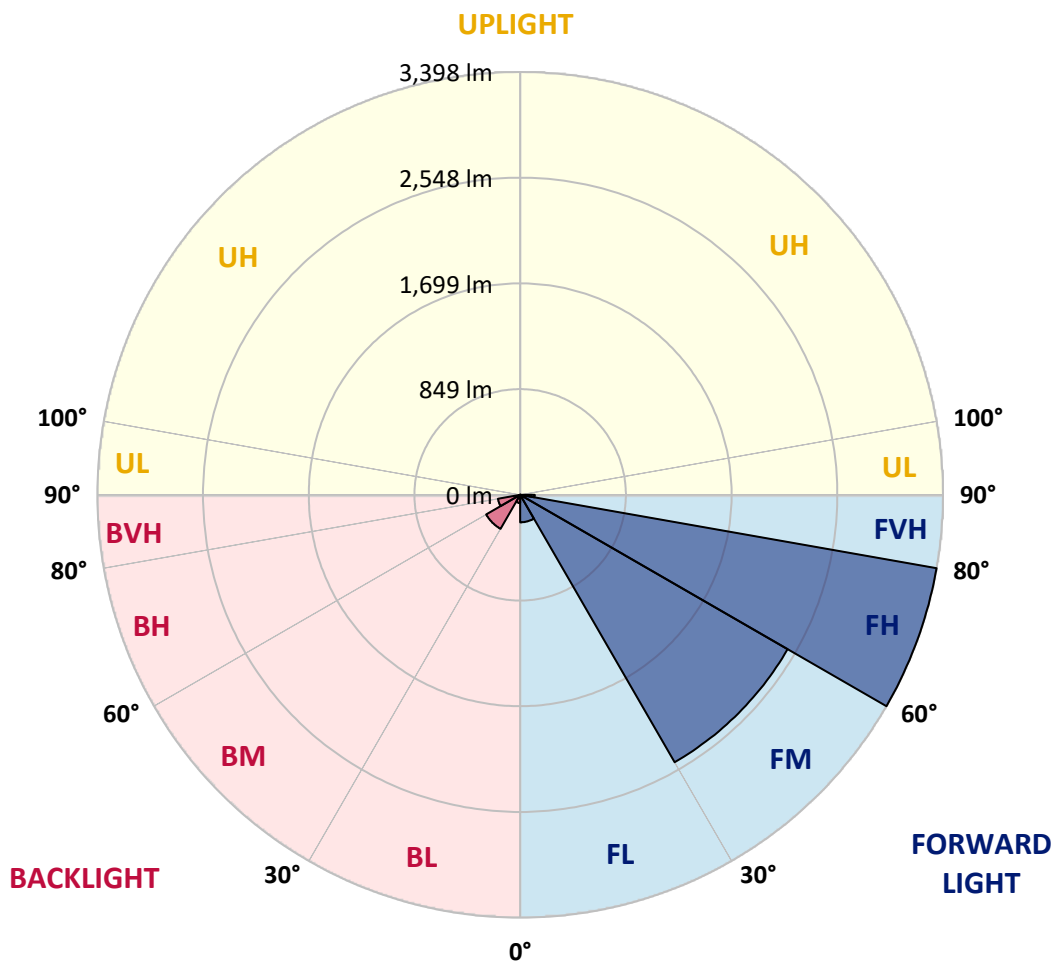
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	221.0	3.3			
FM	(30°-60°)	2481.2	36.6			
FH	(60°-80°)	3397.8	50.1			G2/5000
FVH	(80°-90°)	116.6	1.7			G2/225
BL	(0°-30°)	64.6	1.0	B0/110		
BM	(30°-60°)	315.7	4.7	B1/1000		
BH	(60°-80°)	181.3	2.7	B1/500		G1/500
BVH	(80°-90°)	1.8	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°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2.5°	1.0	1.0	0.0	1.0	1.0	2.0	2.0	2.9	2.9	2.9	2.9
5°	52.0	44.2	43.2	38.3	27.5	6.9	2.0	2.9	2.9	2.9	2.9
7.5°	186.6	183.6	181.7	177.7	173.8	133.5	26.5	2.9	2.9	2.9	2.9
10°	200.3	196.4	193.4	188.5	182.6	175.8	167.9	21.6	2.9	2.9	2.9
12.5°	414.4	409.5	283.8	234.7	193.4	183.6	177.7	92.3	85.4	97.2	111.0
15°	436.0	432.1	421.3	407.5	366.3	207.2	278.9	346.6	225.9	240.6	240.6
17.5°	486.1	478.2	440.9	420.3	403.6	443.8	407.5	371.2	243.5	258.3	258.3
20°	680.5	678.5	667.7	466.4	424.2	561.7	443.8	395.7	449.7	469.4	446.8
22.5°	686.4	684.4	676.6	650.1	666.8	577.4	637.3	598.0	613.7	536.2	532.2
25°	910.3	902.4	722.7	661.8	752.2	615.7	758.1	659.9	648.1	669.7	669.7
27.5°	927.0	925.0	919.1	880.8	771.8	872.0	780.7	854.3	871.0	827.8	850.4
30°	1055.6	990.8	956.4	933.9	909.3	915.2	911.3	982.9	907.3	925.0	915.2
32.5°	1228.4	1222.5	1204.9	995.7	1010.4	955.5	1062.5	1051.7	1173.5	1211.7	1205.9
35°	1469.0	1374.8	1259.9	1151.8	1048.7	1135.2	1097.8	1223.5	1254.0	1271.6	1308.0
37.5°	1680.1	1649.7	1542.7	1221.6	1161.7	1168.5	1255.9	1310.9	1356.1	1387.5	1403.2
40°	1873.6	1851.0	1779.3	1427.8	1222.5	1268.7	1340.4	1370.8	1460.2	1518.1	1519.1
42.5°	2160.3	2174.1	2107.3	1614.4	1387.5	1409.1	1470.0	1474.9	1554.5	1670.3	1674.3
45°	2518.7	2500.1	2483.4	1885.4	1544.6	1530.9	1615.3	1603.6	1726.3	1889.3	1908.9
47.5°	2864.4	2837.9	2792.7	2197.6	1762.6	1667.4	1785.2	1795.0	1986.5	2194.7	2202.6
50°	3131.5	3121.7	3076.5	2561.0	2052.3	1855.9	1973.8	2089.6	2292.9	2543.3	2560.0
52.5°	3426.1	3403.5	3324.0	2901.7	2424.5	2139.7	2199.6	2402.9	2616.0	2890.9	2888.9
55°	3622.5	3625.4	3549.8	3249.3	2762.3	2460.8	2484.4	2796.6	2910.6	3191.4	3212.0
57.5°	3883.7	3862.1	3882.7	3657.8	3219.9	2786.8	2841.8	3111.9	3214.0	3560.6	3574.4
60°	4078.1	4086.0	4188.1	4034.9	3574.4	3118.7	3165.9	3369.1	3516.4	3922.0	3965.2
62.5°	4085.0	4127.2	4402.2	4413.0	3958.3	3478.1	3447.7	3632.3	3761.9	4314.8	4366.8
65°	3710.9	3736.4	4356.0	4513.1	4314.8	3830.7	3715.8	3854.2	4004.5	4740.0	4749.8
67.5°	3335.7	3343.6	3941.6	4483.7	4528.8	4253.9	4001.5	4096.8	4242.1	5019.8	4985.4
68°	3233.6	3292.5	3869.9	4467.0	4542.6	4330.5	4044.7	4142.9	4300.0	5028.7	4980.5
70°	2931.2	2994.0	3525.3	4280.4	4535.7	4619.2	4281.4	4295.1	4336.4	4732.1	4577.9
72.5°	1970.8	2013.0	2789.8	3643.1	4388.4	4955.0	4545.5	4204.8	3890.6	3469.3	3332.8
75°	758.1	763.0	1406.2	2504.0	3794.3	4787.1	4266.6	3544.9	2642.5	1689.0	1585.9
77.5°	282.8	277.9	407.5	1160.7	2408.8	3719.7	3185.5	2173.1	1100.8	442.9	433.0
80°	100.2	103.1	158.1	349.6	979.0	2173.1	1773.4	884.8	324.0	98.2	90.3
82.5°	39.3	42.2	80.5	166.0	420.3	912.2	757.1	376.1	189.5	37.3	35.4
85°	8.8	9.8	31.4	82.5	160.1	264.1	266.1	229.8	157.1	17.7	16.7
87.5°	1.0	2.0	8.8	10.8	12.8	6.9	22.6	23.6	43.2	6.9	6.9
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°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2.5°	2.9	2.9	2.9	2.0	2.0	1.0	0.0	0.0	0.0	0.0	0.0
5°	2.9	2.9	2.9	2.0	2.0	1.0	0.0	0.0	0.0	0.0	0.0
7.5°	2.9	2.9	2.9	2.0	1.0	1.0	0.0	86.4	89.4	92.3	93.3
10°	2.9	2.9	2.9	2.0	2.0	90.3	106.1	102.1	95.3	92.3	93.3
12.5°	107.0	104.1	33.4	6.9	82.5	99.2	81.5	67.8	60.9	56.0	56.0
15°	233.7	224.9	187.6	143.4	134.5	76.6	52.0	44.2	64.8	78.6	78.6
17.5°	248.4	237.6	210.1	208.2	136.5	66.8	54.0	69.7	73.6	77.6	77.6
20°	481.2	431.1	296.6	199.3	100.2	81.5	67.8	66.8	69.7	74.6	75.6
22.5°	515.5	491.0	373.1	241.6	91.3	88.4	78.6	74.6	100.2	109.0	109.0
25°	655.0	631.4	401.6	192.5	111.0	90.3	99.2	93.3	95.3	103.1	103.1
27.5°	837.6	794.4	527.3	162.0	103.1	98.2	101.1	93.3	110.0	130.6	130.6
30°	928.0	841.5	504.7	143.4	105.1	107.0	97.2	113.9	113.9	121.8	122.7
32.5°	1238.3	1178.4	568.6	120.8	105.1	98.2	106.1	108.0	106.1	137.5	138.5
35°	1317.8	1246.1	487.1	125.7	100.2	95.3	95.3	107.0	113.9	120.8	121.8
37.5°	1415.0	1321.7	383.0	117.8	104.1	92.3	87.4	91.3	100.2	117.8	118.8
40°	1538.7	1404.2	294.6	111.0	97.2	84.4	79.5	83.5	83.5	88.4	89.4
42.5°	1705.7	1502.4	218.0	106.1	91.3	77.6	69.7	64.8	61.9	60.9	61.9
45°	1934.5	1628.1	163.0	101.1	87.4	68.7	57.9	47.1	39.3	39.3	40.3
47.5°	2206.5	1768.5	132.6	93.3	81.5	58.9	44.2	30.4	24.5	25.5	26.5
50°	2496.2	1916.8	115.9	86.4	74.6	48.1	29.5	18.7	15.7	16.7	17.7
52.5°	2764.2	2013.0	109.0	79.5	65.8	37.3	18.7	12.8	11.8	11.8	12.8
55°	3033.3	2085.7	103.1	72.7	53.0	24.5	10.8	9.8	9.8	8.8	8.8
57.5°	3283.7	2128.9	93.3	62.8	37.3	14.7	7.9	7.9	6.9	6.9	6.9
60°	3513.5	2124.0	74.6	47.1	23.6	8.8	5.9	5.9	4.9	4.9	4.9
62.5°	3748.2	2102.4	53.0	33.4	15.7	5.9	3.9	3.9	2.9	2.0	2.9
65°	3889.6	2041.5	35.4	23.6	9.8	3.9	2.9	2.0	1.0	0.0	1.0
67.5°	3830.7	1864.8	26.5	17.7	6.9	2.9	2.0	1.0	0.0	0.0	0.0
68°	3776.6	1808.8	24.5	16.7	5.9	2.9	2.0	1.0	0.0	0.0	0.0
70°	3351.5	1507.3	21.6	13.7	4.9	2.9	2.0	1.0	0.0	0.0	0.0
72.5°	2235.9	979.0	17.7	10.8	3.9	2.0	2.0	1.0	0.0	0.0	0.0
75°	1031.1	314.2	13.7	8.8	2.9	2.0	2.0	1.0	0.0	0.0	0.0
77.5°	275.0	66.8	8.8	5.9	2.9	2.0	2.0	1.0	1.0	1.0	0.0
80°	65.8	20.6	5.9	4.9	2.9	2.0	2.0	1.0	1.0	1.0	0.0
82.5°	24.5	10.8	3.9	3.9	2.9	2.0	2.0	1.0	2.0	2.0	0.0
85°	10.8	6.9	3.9	3.9	2.9	2.0	2.0	2.0	2.0	2.9	0.0
87.5°	4.9	4.9	3.9	3.9	3.9	2.0	2.9	2.9	2.9	2.9	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)