

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: P413835

Luminaire Tested: **LXF.LXT-PA1-100-740-U-SL3-HSS**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P413835  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2002-662-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-100-740-U-SL3-HSS  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 4000K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL  
LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8410 lumens  
Efficiency: N/A  
Efficacy: 87.6 lumens/watt  
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')  
IES Classification: Type III - Medium - Non-Cutoff  
BUG Rating: B1 - U0 - G2

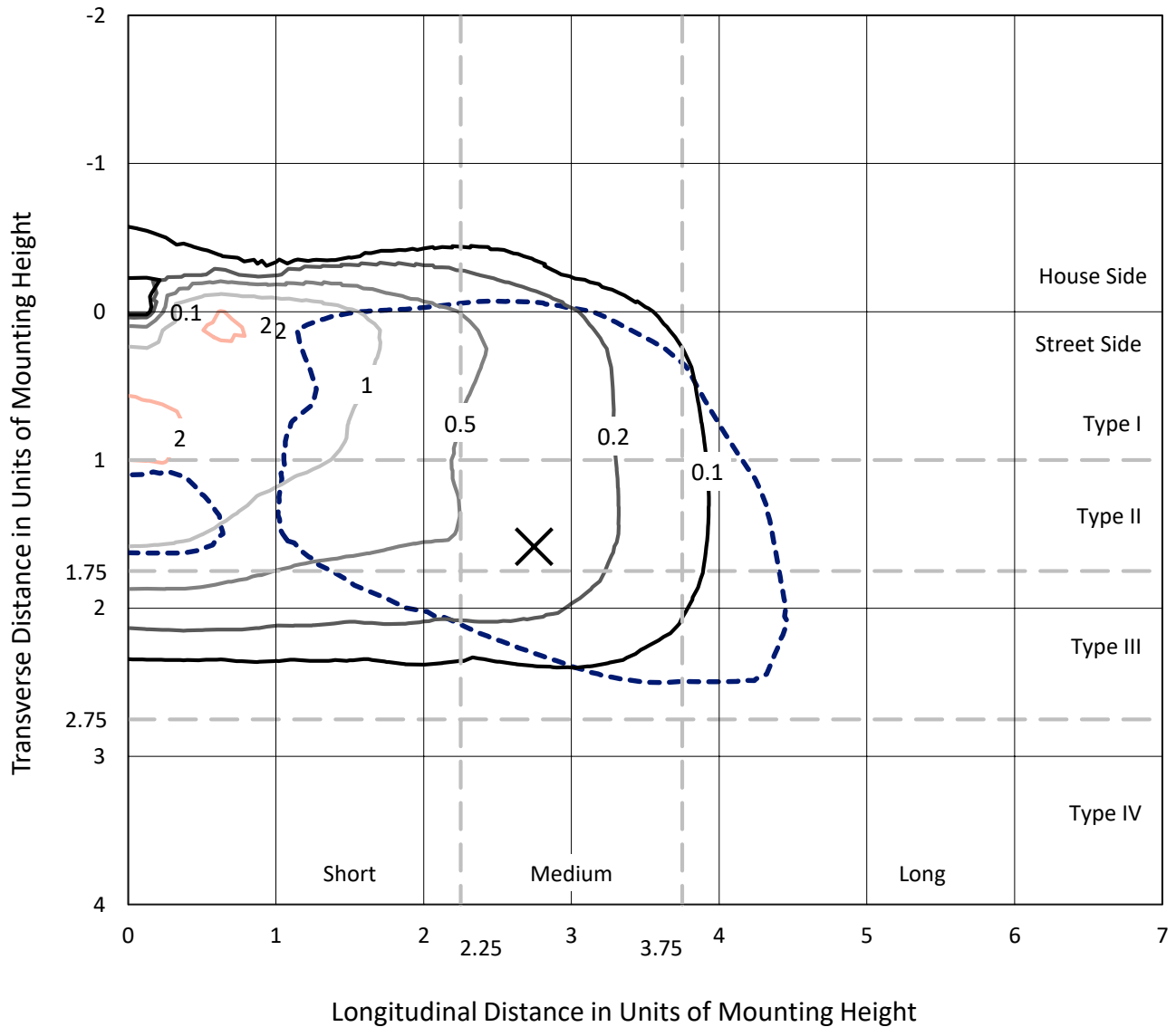
Input Watts (W): 96  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

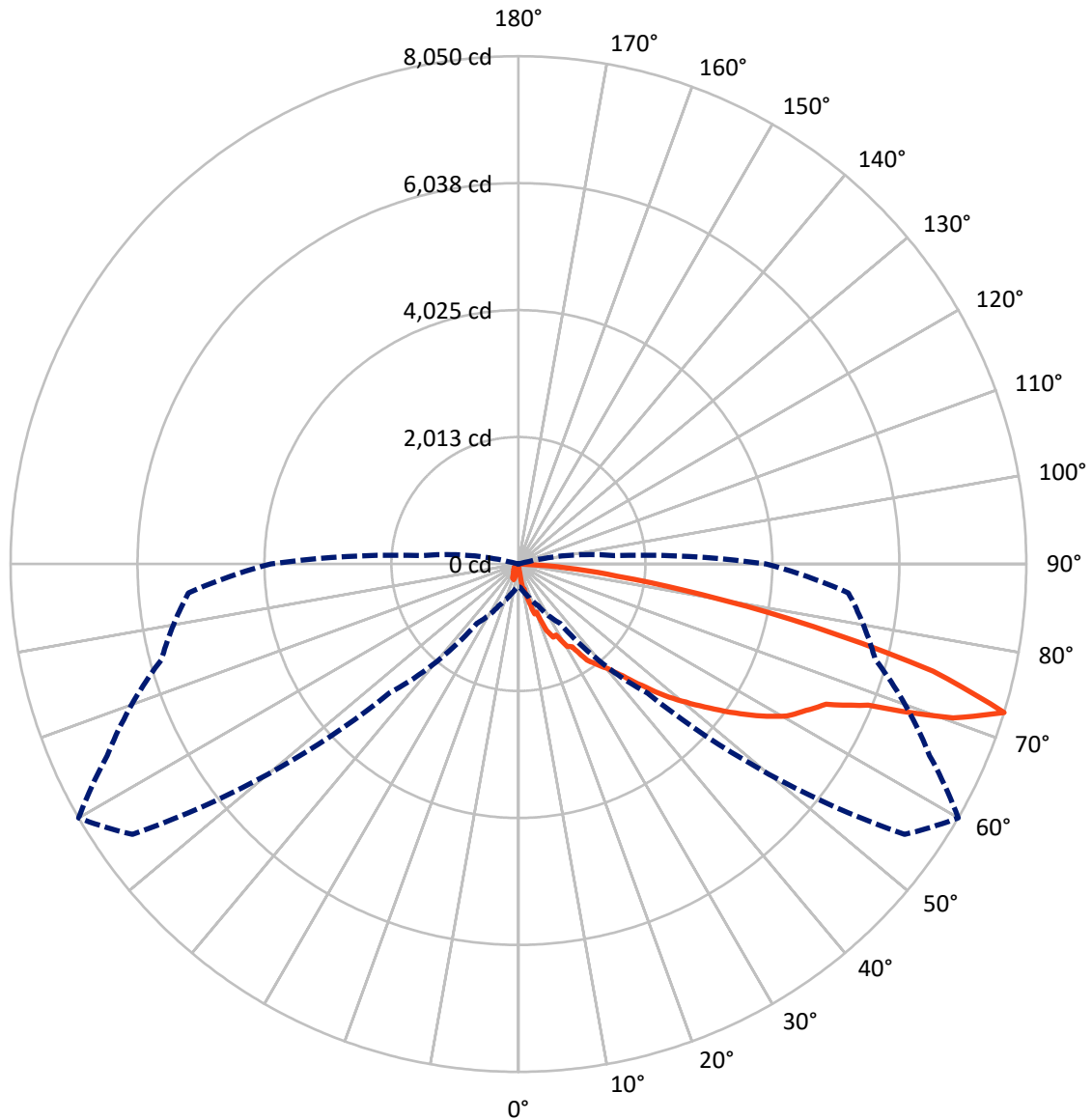
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.4 fc  
 Type III - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral    - - - Horizontal Cone Through 72.5-Deg Vertical



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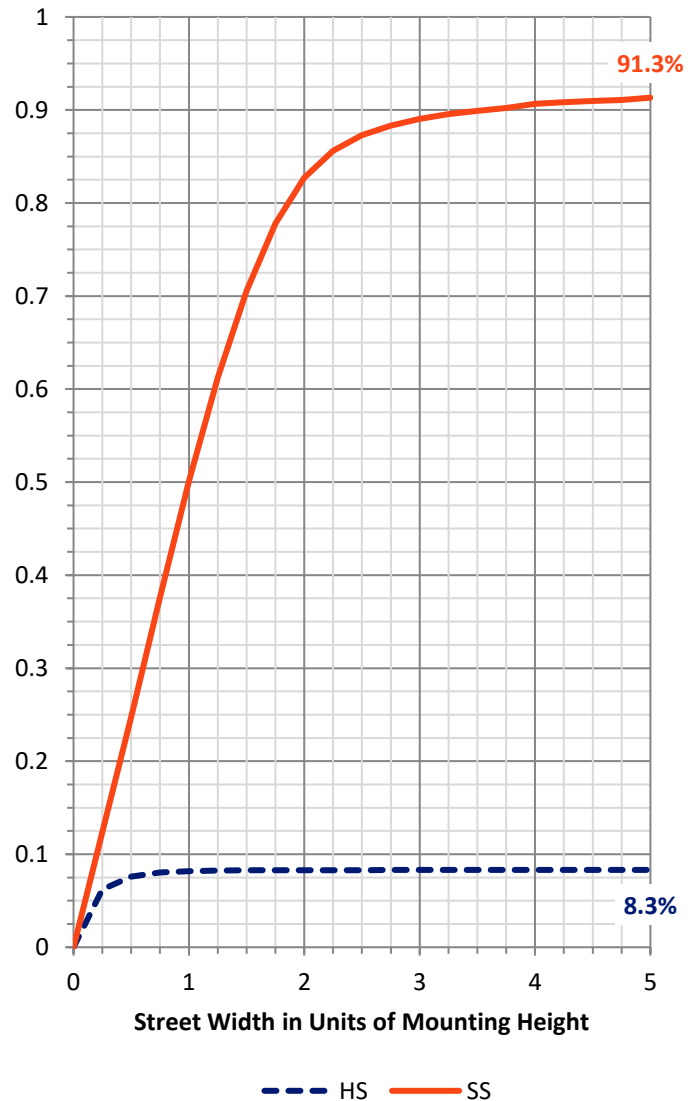
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	705.4	0.0	705.4
	% Fixture	8.4	0.0	8.4
<b>Street Side</b>	Lumens	7704.6	0.0	7704.6
	% Fixture	91.6	0.0	91.6
<b>Total</b>	Lumens	8410.0	0.0	8410.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	11.3	0.1
10°-20°	117.2	1.4
20°-30°	366.3	4.4
30°-40°	789.7	9.4
40°-50°	1342.7	16.0
50°-60°	1985.1	23.6
60°-70°	2159.3	25.7
70°-80°	1471.6	17.5
80°-90°	166.9	2.0
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°	8410.0	100.0
0°-180°	8410.0	100.0



REPORT NUMBER: P413835

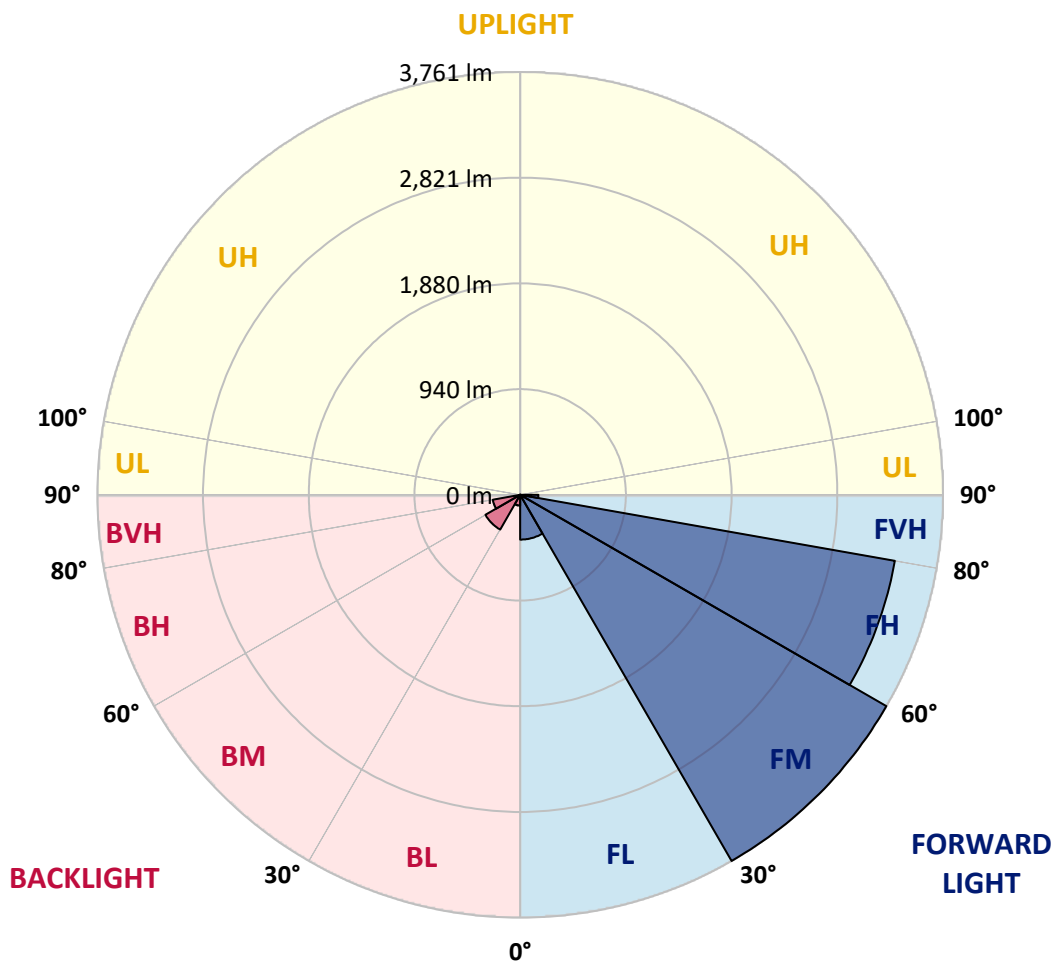
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	398.3	4.7			
FM	(30°-60°)	3760.8	44.7			
FH	(60°-80°)	3383.7	40.2			G2/5000
FVH	(80°-90°)	161.9	1.9			G2/225
BL	(0°-30°)	96.4	1.1	B0/110		
BM	(30°-60°)	356.7	4.2	B1/1000		
BH	(60°-80°)	247.2	2.9	B1/500		G1/500
BVH	(80°-90°)	5.1	0.1			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 III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
2.5°	7.6	5.5	5.5	4.4	3.3	3.3	3.3	4.4	4.4	3.3	4.4
5°	430.2	424.7	424.7	426.9	277.3	46.9	26.2	10.9	4.4	4.4	4.4
7.5°	408.3	404.0	406.2	411.6	414.9	420.4	420.4	128.8	41.5	4.4	4.4
10°	418.2	414.9	397.4	394.1	400.7	406.2	408.3	418.2	406.2	12.0	4.4
12.5°	735.9	730.4	730.4	740.3	430.2	393.1	397.4	407.3	351.6	45.9	25.1
15°	704.2	699.9	701.0	713.0	729.3	517.5	408.3	604.9	776.3	701.0	556.8
17.5°	982.6	846.2	731.5	696.6	699.9	722.8	791.6	832.0	789.4	798.1	607.1
20°	1003.4	995.7	991.4	999.0	716.2	953.2	1006.7	816.7	794.9	854.9	1120.2
22.5°	1038.3	1020.9	985.9	981.6	1102.7	939.0	975.0	1142.1	1172.6	1252.3	1166.1
25°	1406.3	1393.2	1357.1	1032.9	1131.1	1078.7	1229.4	1285.1	1266.5	1318.9	1264.3
27.5°	1544.9	1519.8	1442.3	1340.8	1201.0	1272.0	1243.6	1274.2	1398.6	1816.8	1783.0
30°	2165.1	2098.5	1884.5	1543.8	1428.1	1324.4	1446.7	1511.1	1615.9	1859.4	1827.7
32.5°	2352.9	2281.9	2126.9	1965.3	1692.3	1501.3	1591.9	1563.5	1638.8	2268.8	2399.8
35°	2899.9	2867.1	2587.6	2138.9	2069.0	1770.9	1671.6	1867.0	1978.4	2300.5	2522.1
37.5°	2906.4	2908.6	2892.3	2588.7	2268.8	1990.4	2009.0	2016.6	2102.9	2451.2	2664.1
40°	2999.2	3014.5	3054.9	2825.6	2556.0	2308.1	2259.0	2182.6	2259.0	2620.4	2858.4
42.5°	3193.6	3204.5	3294.0	3054.9	2783.1	2556.0	2581.1	2424.9	2480.6	2940.3	3122.6
45°	3535.3	3528.8	3641.2	3296.2	2994.9	2838.8	2867.1	2747.0	2713.2	3202.3	3432.7
47.5°	3921.8	3945.9	3941.5	3562.6	3205.6	3101.9	3183.8	3119.4	2986.1	3536.4	3794.1
50°	4287.6	4280.0	4166.4	3713.3	3393.4	3359.6	3548.4	3442.5	3321.3	3876.0	4142.4
52.5°	4420.8	4427.4	4292.0	3803.9	3553.9	3615.0	3897.8	3790.8	3633.6	4118.4	4488.5
55°	4396.8	4405.5	4329.1	3896.7	3674.0	3854.2	4260.3	4168.6	3991.7	4381.5	4748.4
57.5°	4171.9	4171.9	4234.1	3954.6	3790.8	4068.1	4583.5	4546.4	4328.0	4599.9	4903.4
60°	3597.6	3658.7	3854.2	3884.7	3928.4	4299.6	4903.4	4891.4	4626.1	4804.0	4995.1
62.5°	2766.7	2786.3	3218.7	3546.3	3939.3	4610.8	5173.1	5115.2	4846.6	4866.3	5059.5
65°	1569.0	1658.5	2058.1	2885.7	3715.5	4936.2	5606.5	5358.7	5039.9	4940.5	5296.5
67.5°	845.1	877.8	1100.6	1746.9	3045.1	4972.2	6589.2	5976.7	5498.4	5331.4	5760.5
70°	545.9	580.9	701.0	959.7	1909.6	4396.8	7514.0	7307.6	6445.1	5866.4	5831.4
72.5°	354.8	375.6	505.5	722.8	1148.6	2896.6	7471.4	8050.0	7193.0	5856.6	5249.5
75°	144.1	158.3	253.3	601.6	970.6	1419.4	5732.1	6787.9	6753.0	5204.7	4062.7
77.5°	72.1	76.4	112.5	325.4	861.5	982.6	3627.1	4787.7	4807.3	3794.1	2259.0
80°	46.9	45.9	64.4	152.9	587.4	894.2	2028.6	2941.4	2750.3	1439.0	633.3
82.5°	18.6	19.7	34.9	87.3	245.7	809.0	1157.3	1583.1	1238.1	280.6	182.3
85°	3.3	3.3	10.9	46.9	77.5	370.1	746.8	766.5	508.8	88.4	91.7
87.5°	1.1	1.1	2.2	3.3	5.5	8.7	32.8	15.3	9.8	15.3	17.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P413835

CATALOG NUMBER: LXF.LXT-PA1-100-740-U-SL3-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
2.5°	4.4	4.4	4.4	3.3	3.3	2.2	0.0	0.0	1.1	1.1	1.1
5°	4.4	4.4	4.4	3.3	3.3	1.1	0.0	0.0	1.1	1.1	1.1
7.5°	4.4	4.4	4.4	3.3	2.2	1.1	0.0	0.0	1.1	1.1	1.1
10°	4.4	4.4	4.4	3.3	2.2	1.1	31.7	202.0	208.5	209.6	207.4
12.5°	27.3	28.4	15.3	3.3	2.2	187.8	186.7	156.1	136.5	128.8	119.0
15°	592.9	563.4	466.2	275.1	151.8	153.9	113.6	84.1	67.7	63.3	61.1
17.5°	587.4	544.8	429.1	251.1	264.2	115.7	61.1	67.7	88.4	89.5	89.5
20°	1103.8	968.5	419.3	280.6	178.0	100.4	79.7	84.1	84.1	85.2	84.1
22.5°	1150.8	1015.4	627.8	358.1	127.7	105.9	90.6	78.6	80.8	104.8	101.5
25°	1160.6	995.7	581.9	280.6	123.4	105.9	99.4	96.1	108.1	108.1	109.2
27.5°	1672.7	1399.7	705.3	210.7	122.3	110.3	110.3	100.4	97.2	96.1	97.2
30°	1669.4	1351.7	601.6	178.0	117.9	109.2	99.4	89.5	108.1	109.2	109.2
32.5°	2191.3	1728.4	581.9	144.1	117.9	100.4	87.3	92.8	86.3	86.3	86.3
35°	2221.9	1684.7	458.6	149.6	104.8	91.7	85.2	72.1	76.4	77.5	75.3
37.5°	2280.8	1654.1	348.3	135.4	104.8	85.2	69.9	64.4	60.1	59.0	59.0
40°	2386.7	1656.3	268.6	124.5	98.3	77.5	62.2	52.4	54.6	54.6	53.5
42.5°	2545.0	1688.0	210.7	114.6	88.4	68.8	52.4	46.9	43.7	43.7	42.6
45°	2754.7	1755.7	172.5	107.0	80.8	59.0	42.6	38.2	34.9	34.9	33.8
47.5°	3014.5	1850.6	150.7	99.4	72.1	49.1	34.9	30.6	28.4	27.3	27.3
50°	3291.9	1964.2	138.7	92.8	62.2	39.3	28.4	24.0	21.8	21.8	20.7
52.5°	3579.0	2094.1	128.8	88.4	53.5	32.8	21.8	17.5	16.4	15.3	16.4
55°	3811.6	2172.7	122.3	87.3	44.8	26.2	16.4	13.1	12.0	10.9	10.9
57.5°	3964.4	2215.3	113.6	80.8	36.0	19.7	12.0	8.7	7.6	7.6	7.6
60°	4084.5	2239.3	102.6	64.4	28.4	14.2	7.6	5.5	5.5	5.5	5.5
62.5°	4179.5	2255.7	86.3	50.2	21.8	9.8	5.5	3.3	3.3	3.3	3.3
65°	4461.2	2351.8	66.6	38.2	16.4	6.6	3.3	2.2	1.1	2.2	2.2
67.5°	4804.0	2392.2	49.1	27.3	12.0	4.4	2.2	1.1	1.1	1.1	2.2
70°	4668.7	2084.3	36.0	19.7	8.7	3.3	2.2	1.1	1.1	1.1	2.2
72.5°	3922.9	1523.1	26.2	14.2	6.6	3.3	2.2	1.1	1.1	2.2	2.2
75°	2821.3	859.3	20.7	9.8	5.5	3.3	2.2	2.2	2.2	3.3	3.3
77.5°	1327.7	319.9	20.7	8.7	5.5	3.3	2.2	2.2	3.3	4.4	2.2
80°	322.1	79.7	20.7	7.6	5.5	3.3	3.3	3.3	4.4	4.4	2.2
82.5°	108.1	33.8	15.3	6.6	5.5	3.3	3.3	4.4	4.4	5.5	3.3
85°	65.5	21.8	10.9	7.6	6.6	3.3	4.4	4.4	5.5	6.6	3.3
87.5°	10.9	8.7	7.6	7.6	6.6	4.4	4.4	5.5	5.5	6.6	4.4
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)