

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: P416028

Luminaire Tested: **LXF.LXT-PA1-60-760-U-T2R-HSS**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416028
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-2)
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-T2R-HSS
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5700K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5922 lumens
Efficiency: N/A
Efficacy: 92.5 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type II - Medium - Full Cutoff
BUG Rating: B0 - U0 - G1

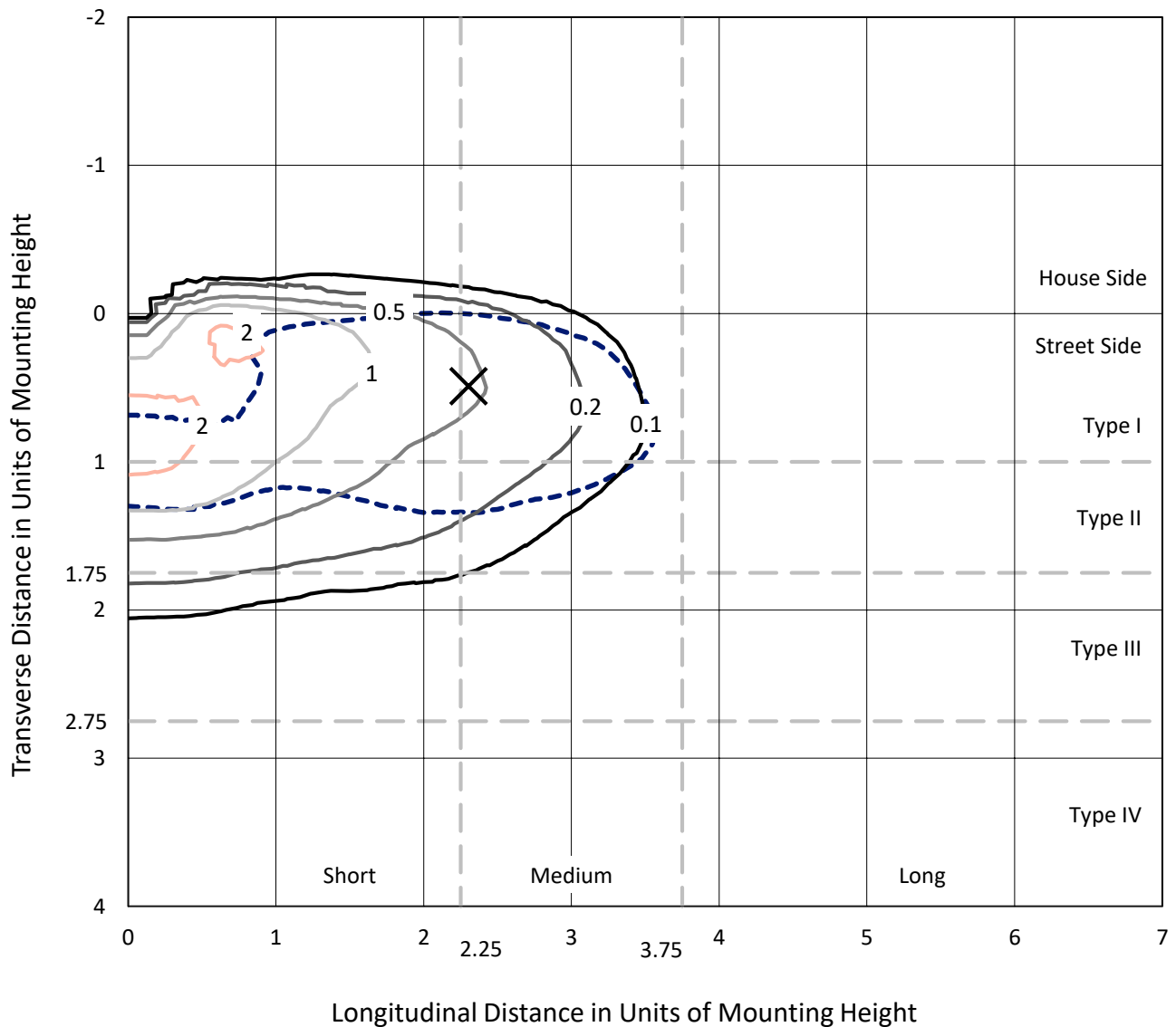
Input Watts (W): 64
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

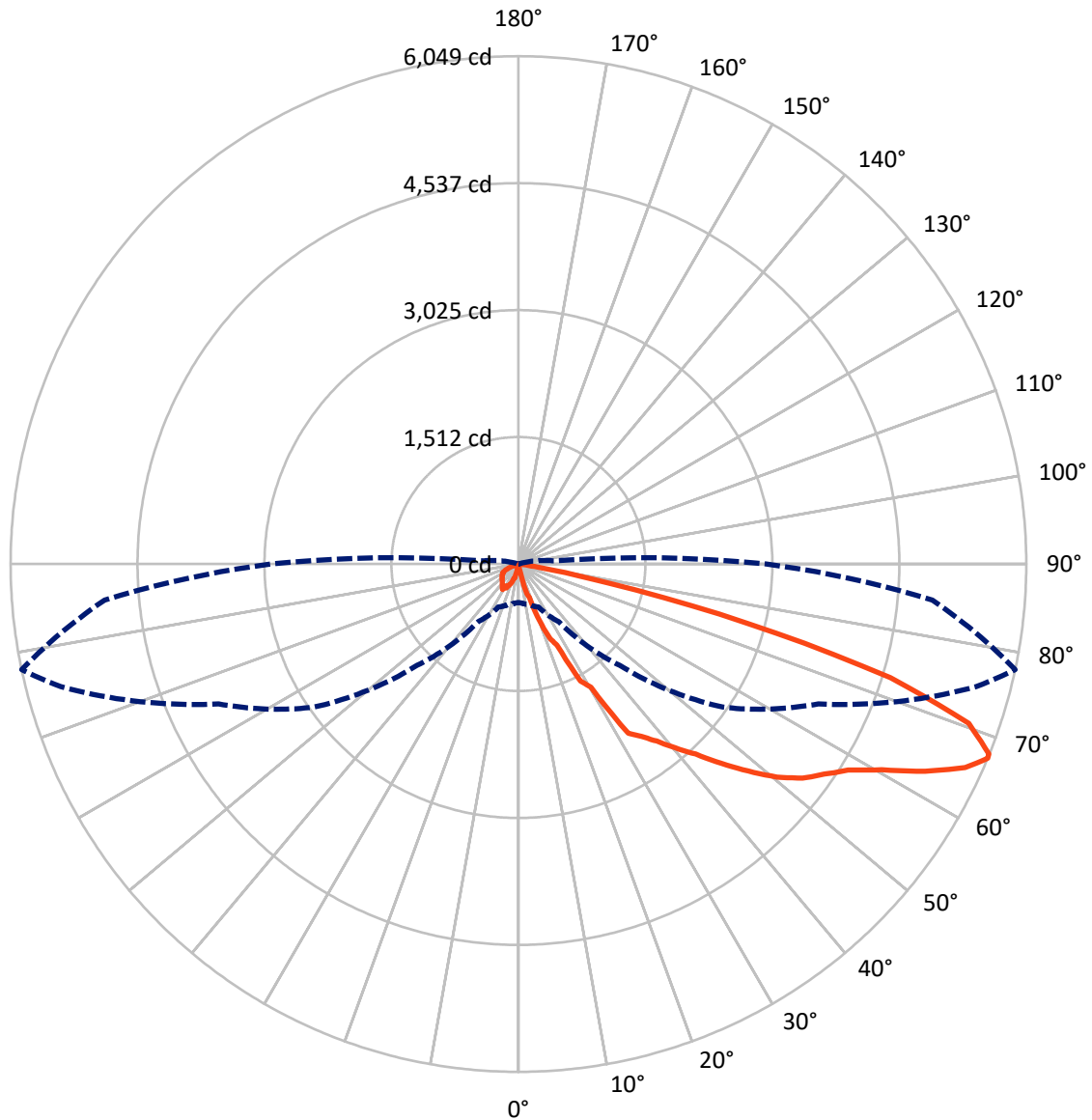
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.9 fc
 Type II - Medium - Full Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral - - - Horizontal Cone Through 67-Deg Vertical



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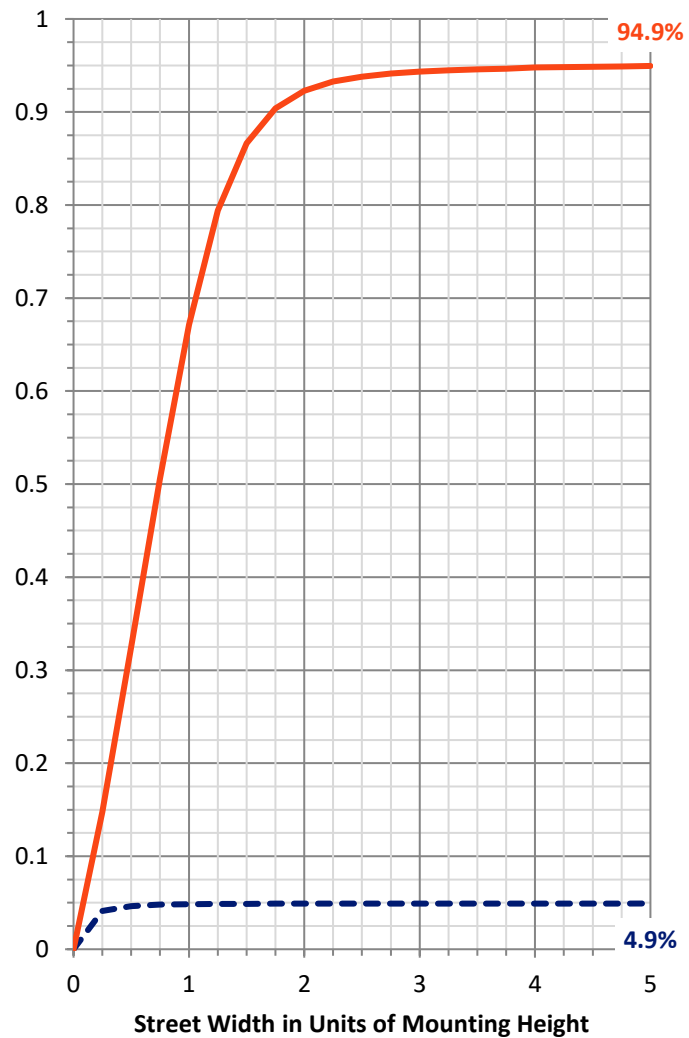
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	293.2	0.0	293.2
	% Fixture	5.0	0.0	5.0
Street Side	Lumens	5628.7	0.0	5628.7
	% Fixture	95.0	0.0	95.0
Total	Lumens	5922.0	0.0	5922.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.6	0.1
10°-20°	80.7	1.4
20°-30°	321.6	5.4
30°-40°	818.0	13.8
40°-50°	1339.3	22.6
50°-60°	1510.2	25.5
60°-70°	1302.3	22.0
70°-80°	523.9	8.8
80°-90°	20.5	0.3
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°	5922.0	100.0
0°-180°	5922.0	100.0

Coefficient of Utilization



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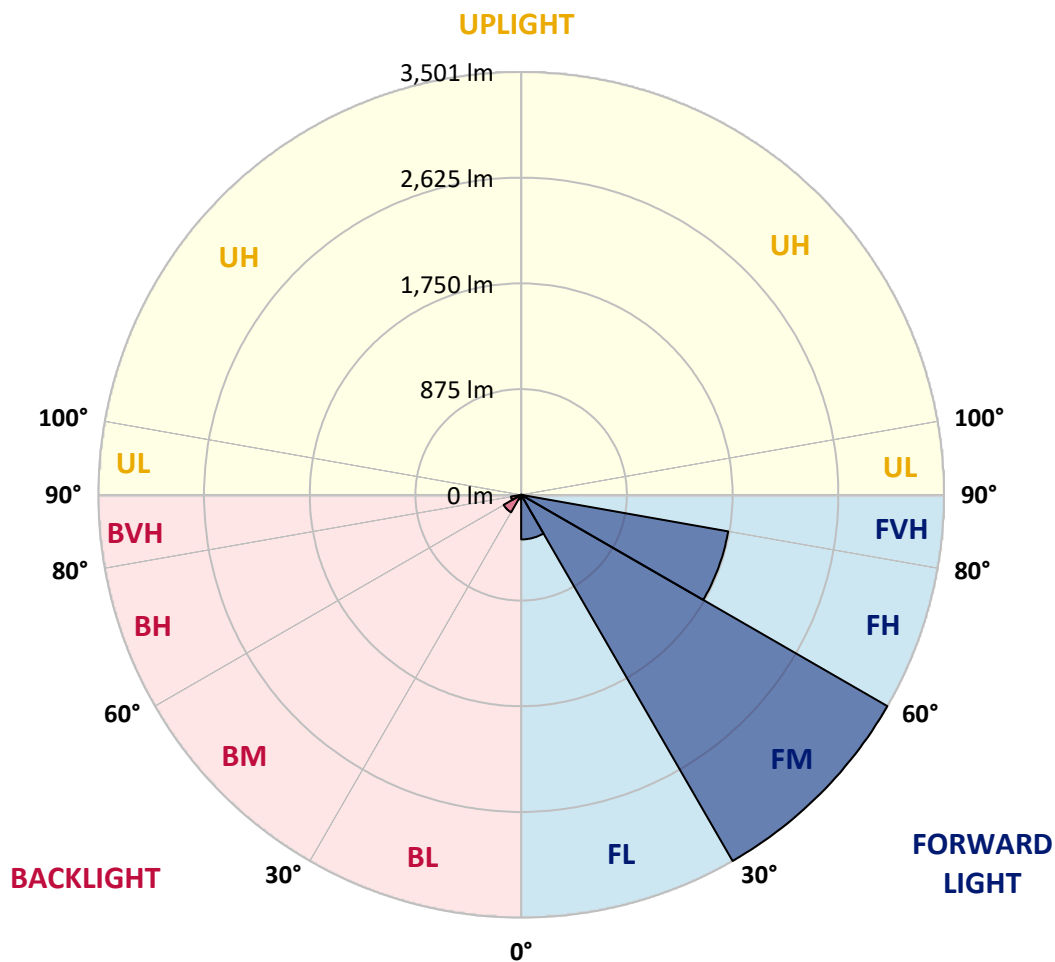
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	369.3	6.2			
FM	(30°-60°)	3500.5	59.1			
FH	(60°-80°)	1740.4	29.4			G1/1800
FVH	(80°-90°)	18.4	0.3			G1/100
BL	(0°-30°)	38.5	0.6	B0/110		
BM	(30°-60°)	167.0	2.8	B0/220		
BH	(60°-80°)	85.7	1.4	B0/110		G0/110
BVH	(80°-90°)	2.1	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	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	1.6	1.6	3.3	3.3	2.4	2.4	2.4	2.4	2.4
5°	248.0	194.2	137.9	40.0	15.5	7.3	3.3	2.4	2.4	2.4	1.6
7.5°	276.6	274.1	270.9	269.2	264.3	256.2	17.9	3.3	2.4	2.4	2.4
10°	296.1	291.2	290.4	289.6	286.4	279.8	267.6	15.5	2.4	2.4	2.4
12.5°	594.7	592.3	582.5	341.0	306.7	300.2	289.6	208.0	16.3	137.1	148.5
15°	587.4	585.8	592.3	605.3	617.6	329.6	470.7	593.9	364.7	349.2	363.9
17.5°	607.8	607.0	596.4	607.0	625.7	730.2	672.2	647.8	404.6	422.6	388.3
20°	910.4	908.8	917.8	863.1	649.4	909.6	844.4	701.6	794.6	730.2	733.4
22.5°	956.1	959.4	957.0	975.7	1127.5	939.8	1050.8	1090.7	1103.8	966.7	834.6
25°	1403.2	1382.8	1340.4	1036.1	1215.6	1165.8	1334.7	1178.9	1187.0	1069.5	1069.5
27.5°	1572.1	1572.1	1537.0	1497.0	1289.8	1497.0	1404.8	1548.4	1688.7	1577.8	1339.6
30°	2133.4	2117.0	1763.0	1712.4	1605.5	1584.3	1696.1	1817.6	1755.6	1703.4	1506.8
32.5°	2536.4	2538.0	2448.3	2174.1	1909.0	1767.1	1964.5	2005.3	2340.6	2401.8	2042.8
35°	3236.3	3195.5	2756.6	2507.8	2246.8	2152.1	2142.3	2348.7	2541.3	2520.1	2214.1
37.5°	3681.0	3652.4	3440.3	2881.5	2547.0	2334.9	2462.1	2471.9	2783.6	2676.7	2418.9
40°	3884.9	3871.9	3692.4	3217.6	2810.5	2584.5	2625.3	2657.1	3026.7	2879.8	2591.0
42.5°	4049.7	4037.5	3874.3	3386.4	3063.4	2823.5	2808.8	2814.6	3223.3	3094.4	2764.8
45°	4128.8	4121.5	4051.3	3535.7	3173.5	2978.5	3008.7	2972.0	3394.6	3386.4	2957.3
47.5°	4052.2	4056.2	4075.8	3667.9	3254.3	3100.9	3202.9	3144.1	3598.6	3684.2	3174.3
50°	3782.1	3780.5	3892.3	3687.5	3300.8	3198.8	3374.2	3306.5	3840.9	3989.3	3370.1
52.5°	2950.8	3059.3	3463.9	3477.0	3290.2	3247.8	3503.1	3493.3	4069.3	4237.3	3565.9
55°	2220.6	2264.7	2648.9	3016.1	3153.1	3242.0	3548.8	3619.0	4238.2	4418.5	3719.3
57.5°	1745.0	1730.3	1940.8	2431.1	2807.2	3145.8	3538.2	3667.9	4403.0	4630.6	3921.6
60°	1276.7	1289.8	1457.0	1763.0	2308.8	2927.1	3505.6	3747.0	4664.0	4973.2	4222.7
62.5°	925.9	925.9	1041.0	1227.8	1768.7	2576.3	3434.6	3858.0	5072.7	5438.2	4580.8
65°	623.3	619.2	704.9	800.3	1211.5	2131.7	3243.7	3961.6	5464.3	5846.9	4888.4
67°	458.5	467.5	502.5	565.4	837.8	1707.5	2971.2	3941.2	5644.6	6049.3	4948.7
67.5°	429.1	433.2	481.3	536.8	772.6	1594.9	2893.7	3916.7	5664.2	6044.4	4917.7
70°	311.6	318.2	344.3	360.6	467.5	1052.4	2309.6	3531.7	5378.7	5690.3	4471.5
72.5°	167.2	181.1	250.5	248.8	290.4	642.0	1570.4	2621.2	4420.9	4632.2	3432.1
75°	130.5	132.2	149.3	184.4	187.6	357.3	755.4	1523.1	2796.6	2812.1	1905.7
77.5°	95.5	99.5	110.1	116.7	122.4	203.1	264.3	605.3	1238.4	1081.8	713.8
80°	64.4	66.9	72.6	86.5	100.3	115.0	85.7	161.5	291.2	226.0	106.9
82.5°	27.7	26.9	50.6	72.6	71.8	47.3	43.2	50.6	57.9	53.0	32.6
85°	1.6	2.4	26.1	35.1	30.2	20.4	26.9	21.2	22.0	21.2	16.3
87.5°	0.8	0.8	2.4	3.3	4.1	4.1	4.9	4.9	6.5	7.3	6.5
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	2.4	0.8	0.8	0.0	0.0	0.0	0.0
5°	2.4	2.4	2.4	2.4	2.4	0.8	0.0	0.0	0.0	0.0	0.0
7.5°	2.4	2.4	2.4	2.4	2.4	0.8	0.0	9.0	24.5	26.1	25.3
10°	2.4	2.4	2.4	2.4	1.6	21.2	29.4	27.7	26.9	26.1	26.1
12.5°	148.5	125.6	22.8	4.9	21.2	26.9	23.7	23.7	22.8	22.8	22.8
15°	324.7	272.5	128.1	43.2	33.4	22.8	21.2	21.2	35.1	38.3	37.5
17.5°	340.2	274.9	125.6	58.7	48.1	29.4	29.4	37.5	36.7	35.1	35.1
20°	646.9	424.2	145.2	57.9	44.1	46.5	35.1	32.6	31.0	29.4	29.4
22.5°	691.8	498.5	155.8	73.4	47.3	46.5	35.9	30.2	38.3	37.5	37.5
25°	893.3	602.1	141.1	68.5	61.2	42.4	38.3	33.4	32.6	31.0	31.0
27.5°	1107.1	712.2	155.8	71.0	55.5	41.6	35.9	29.4	31.0	34.3	34.3
30°	1213.9	713.0	123.2	72.6	53.0	42.4	31.8	32.6	31.0	30.2	29.4
32.5°	1629.2	915.3	118.3	69.3	49.8	36.7	32.6	28.6	26.1	28.6	28.6
35°	1702.6	883.5	102.8	70.2	44.9	33.4	27.7	26.1	26.1	25.3	25.3
37.5°	1783.4	849.3	90.6	62.0	43.2	30.2	23.7	23.7	22.8	24.5	24.5
40°	1872.3	813.4	80.8	53.8	36.7	25.3	21.2	20.4	21.2	21.2	20.4
42.5°	1975.9	778.3	72.6	47.3	31.0	21.2	17.1	17.1	17.1	16.3	16.3
45°	2086.9	750.5	66.9	40.8	26.1	17.9	13.9	13.1	12.2	12.2	12.2
47.5°	2218.2	739.1	62.0	34.3	22.0	13.9	10.6	9.8	9.0	8.2	8.2
50°	2328.3	734.2	54.7	28.6	18.8	11.4	7.3	6.5	5.7	4.9	4.9
52.5°	2425.4	713.0	47.3	22.8	14.7	8.2	4.9	3.3	2.4	2.4	2.4
55°	2521.7	693.4	40.8	19.6	10.6	4.9	2.4	0.8	0.8	1.6	1.6
57.5°	2640.8	671.4	35.1	16.3	8.2	3.3	1.6	0.0	0.8	0.8	1.6
60°	2827.6	648.6	31.0	13.9	5.7	2.4	0.8	0.0	0.0	0.8	0.8
62.5°	2994.9	608.6	26.9	12.2	4.9	2.4	0.8	0.0	0.0	0.0	0.8
65°	3067.5	526.2	23.7	10.6	4.9	2.4	0.8	0.0	0.0	0.0	0.0
67°	2945.9	425.9	21.2	9.8	4.1	1.6	0.8	0.0	0.0	0.0	0.0
67.5°	2888.8	397.3	21.2	9.0	4.1	1.6	0.8	0.8	0.0	0.0	0.0
70°	2452.3	263.5	18.8	8.2	4.1	1.6	1.6	0.8	0.0	0.0	0.0
72.5°	1882.1	153.4	16.3	7.3	4.1	1.6	1.6	0.8	0.8	0.0	0.0
75°	1052.4	77.5	13.1	7.3	4.1	2.4	2.4	1.6	1.6	1.6	0.0
77.5°	336.9	42.4	9.8	6.5	4.1	2.4	2.4	1.6	2.4	2.4	0.8
80°	53.0	22.0	7.3	4.9	4.1	1.6	2.4	2.4	3.3	3.3	0.8
82.5°	19.6	12.2	5.7	4.9	4.1	1.6	2.4	2.4	3.3	4.1	0.0
85°	9.0	7.3	5.7	4.9	4.1	1.6	2.4	2.4	3.3	4.1	0.0
87.5°	4.1	5.7	4.9	4.9	4.1	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)