

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: P416340

Luminaire Tested: **LXF.LXT-PA1-70-740-U-T2R-HSS**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416340
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-PA1-70-740-U-T2R-HSS
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 930mA 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: 6641 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 II - Medium - Full Cutoff
BUG Rating: B0 - U0 - G2

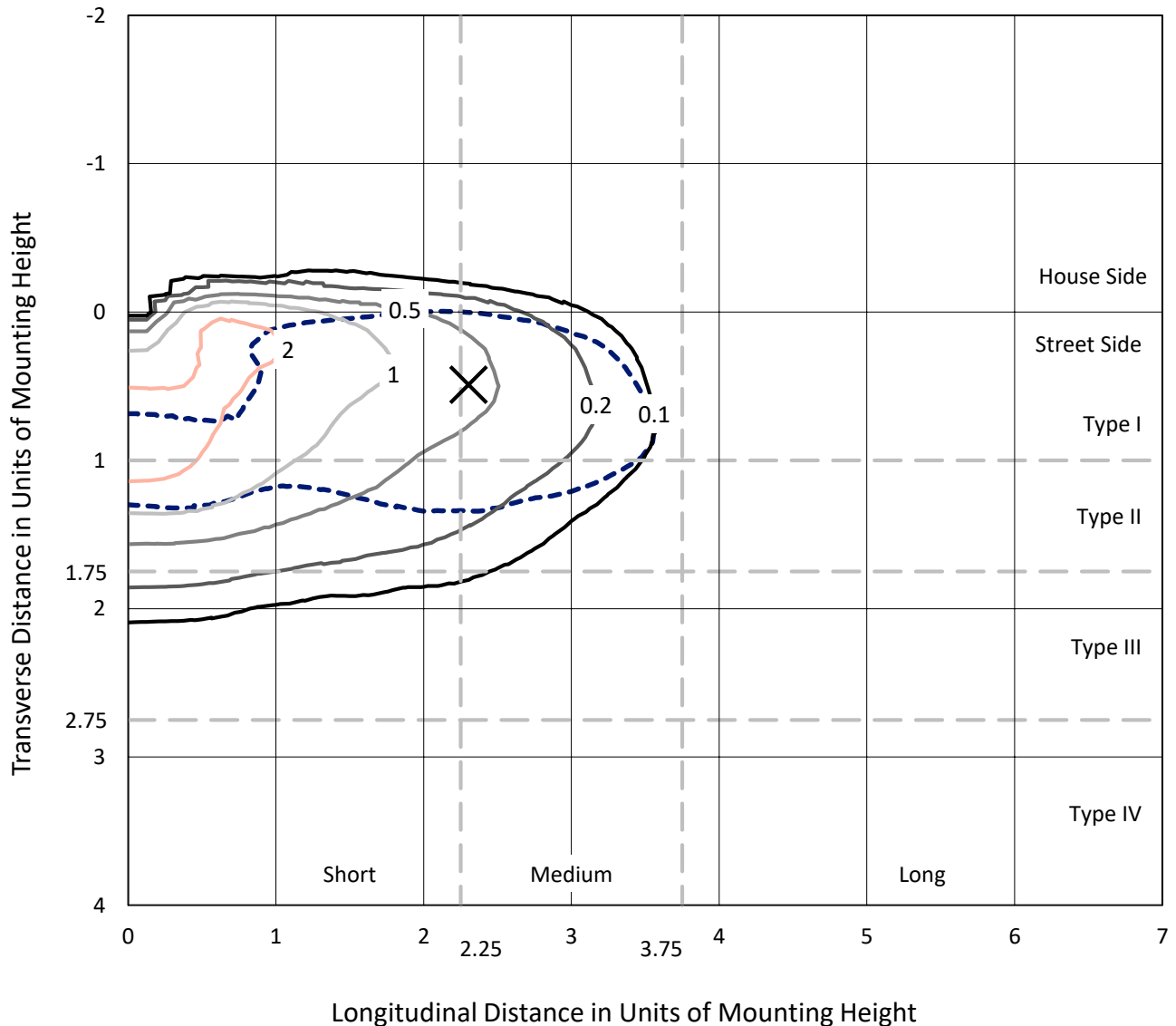
Input Watts (W): 74
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

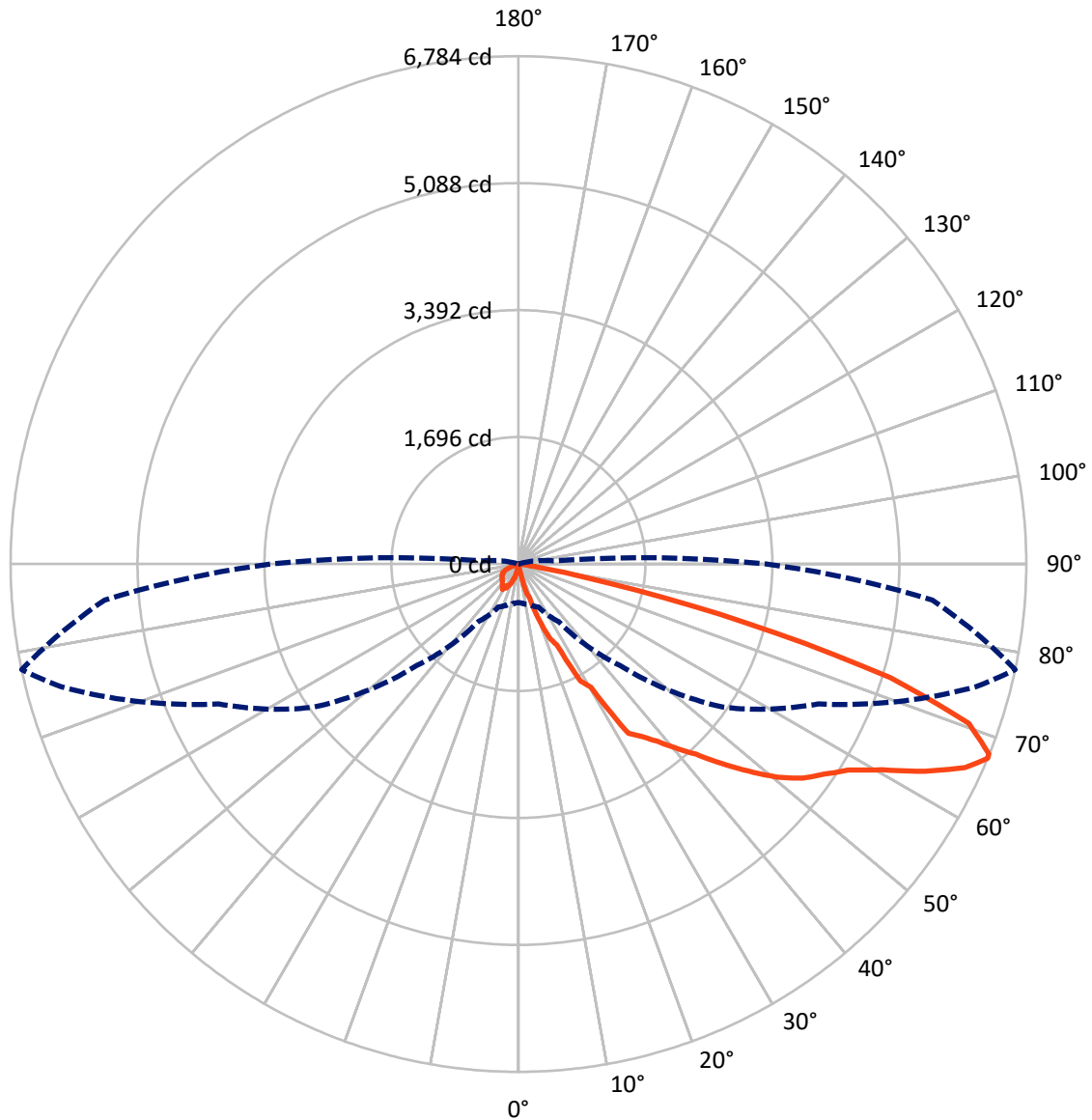
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.3 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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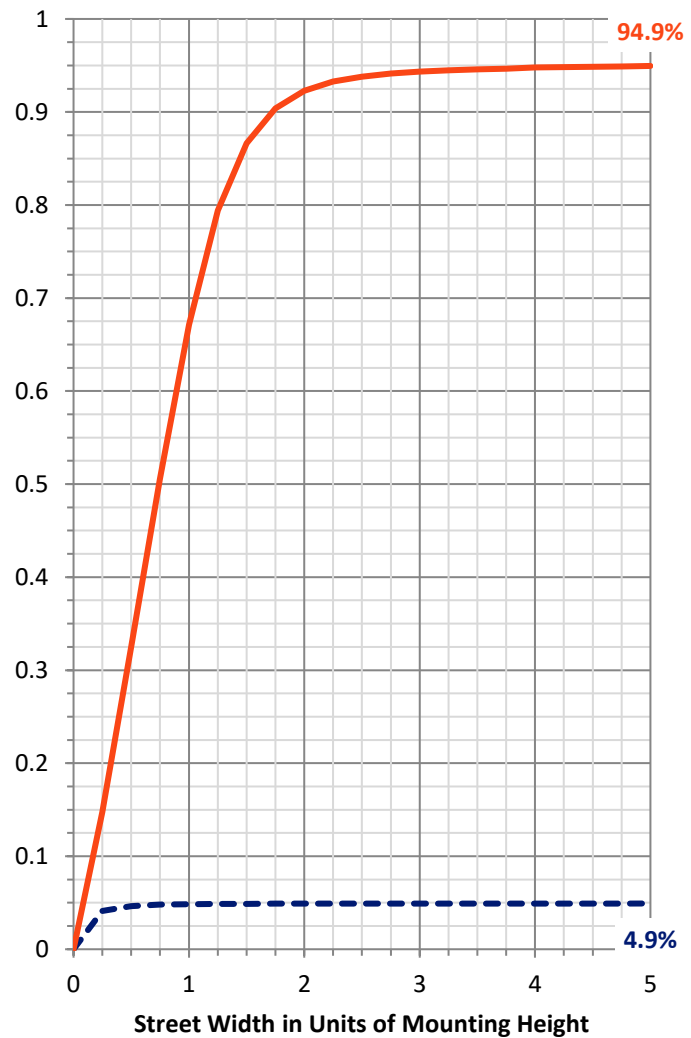
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	328.8	0.0	328.8
	% Fixture	5.0	0.0	5.0
Street Side	Lumens	6312.2	0.0	6312.2
	% Fixture	95.0	0.0	95.0
Total	Lumens	6641.0	0.0	6641.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.3	0.1
10°-20°	90.5	1.4
20°-30°	360.6	5.4
30°-40°	917.3	13.8
40°-50°	1501.9	22.6
50°-60°	1693.6	25.5
60°-70°	1460.4	22.0
70°-80°	587.5	8.8
80°-90°	23.0	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°	6641.0	100.0
0°-180°	6641.0	100.0

Coefficient of Utilization



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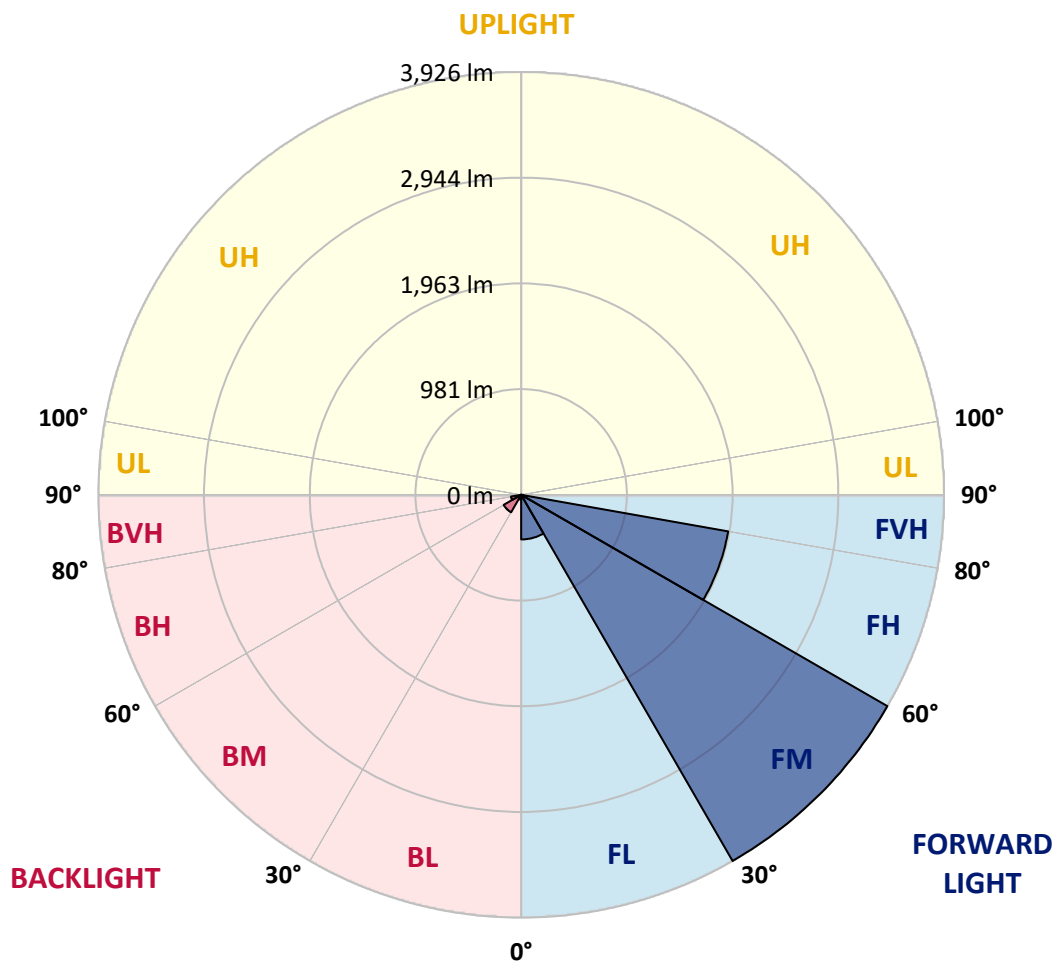
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	414.2	6.2			
FM	(30°-60°)	3925.5	59.1			
FH	(60°-80°)	1951.8	29.4			G2/5000
FVH	(80°-90°)	20.7	0.3			G1/100
BL	(0°-30°)	43.2	0.6	B0/110		
BM	(30°-60°)	187.2	2.8	B0/220		
BH	(60°-80°)	96.1	1.4	B0/110		G0/110
BVH	(80°-90°)	2.3	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G2

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
2.5°	0.9	0.9	1.8	1.8	3.7	3.7	2.7	2.7	2.7	2.7	2.7
5°	278.1	217.7	154.6	44.8	17.4	8.2	3.7	2.7	2.7	2.7	1.8
7.5°	310.1	307.4	303.7	301.9	296.4	287.3	20.1	3.7	2.7	2.7	2.7
10°	332.1	326.6	325.7	324.8	321.1	313.8	300.1	17.4	2.7	2.7	2.7
12.5°	666.9	664.2	653.2	382.4	344.0	336.7	324.8	233.3	18.3	153.7	166.5
15°	658.7	656.9	664.2	678.8	692.6	369.6	527.9	666.0	408.9	391.6	408.0
17.5°	681.6	680.7	668.8	680.7	701.7	818.8	753.8	726.4	453.8	473.9	435.5
20°	1021.0	1019.2	1029.2	967.9	728.2	1020.1	946.9	786.8	891.1	818.8	822.5
22.5°	1072.2	1075.9	1073.1	1094.2	1264.3	1053.9	1178.3	1223.2	1237.8	1084.1	935.9
25°	1573.6	1550.7	1503.1	1161.9	1363.1	1307.3	1496.7	1322.0	1331.1	1199.4	1199.4
27.5°	1762.9	1762.9	1723.6	1678.8	1446.4	1678.8	1575.4	1736.4	1893.8	1769.3	1502.2
30°	2392.4	2374.1	1977.0	1920.3	1800.5	1776.7	1902.0	2038.3	1968.8	1910.2	1689.8
32.5°	2844.3	2846.1	2745.5	2438.1	2140.8	1981.6	2203.0	2248.7	2624.7	2693.4	2290.8
35°	3629.3	3583.5	3091.3	2812.3	2519.5	2413.4	2402.4	2633.9	2849.8	2826.0	2482.9
37.5°	4127.9	4095.8	3858.0	3231.3	2856.2	2618.3	2761.1	2772.0	3121.5	3001.7	2712.6
40°	4356.6	4341.9	4140.7	3608.2	3151.7	2898.3	2944.0	2979.7	3394.1	3229.5	2905.6
42.5°	4541.4	4527.7	4344.7	3797.6	3435.3	3166.3	3149.9	3156.3	3614.6	3470.1	3100.5
45°	4630.1	4621.9	4543.2	3965.0	3558.8	3340.2	3374.0	3332.8	3806.7	3797.6	3316.4
47.5°	4544.1	4548.7	4570.7	4113.2	3649.4	3477.4	3591.8	3525.9	4035.5	4131.5	3559.7
50°	4241.3	4239.5	4364.8	4135.2	3701.5	3587.2	3783.9	3707.9	4307.2	4473.7	3779.3
52.5°	3309.1	3430.7	3884.5	3899.2	3689.6	3642.1	3928.4	3917.4	4563.3	4751.8	3998.9
55°	2490.3	2539.7	2970.6	3382.3	3535.9	3635.7	3979.7	4058.3	4752.7	4954.9	4170.9
57.5°	1956.9	1940.4	2176.5	2726.3	3148.0	3527.7	3967.8	4113.2	4937.5	5192.8	4397.8
60°	1431.8	1446.4	1633.9	1977.0	2589.1	3282.5	3931.2	4202.0	5230.3	5577.0	4735.3
62.5°	1038.4	1038.4	1167.4	1376.9	1983.4	2889.1	3851.6	4326.4	5688.6	6098.5	5137.0
65°	699.0	694.4	790.4	897.5	1358.6	2390.5	3637.5	4442.6	6127.8	6556.8	5481.9
67°	514.2	524.2	563.6	634.0	939.6	1914.8	3331.9	4419.7	6329.9	6783.7	5549.6
67.5°	481.2	485.8	539.8	602.0	866.4	1788.6	3245.0	4392.3	6351.9	6778.2	5514.8
70°	349.5	356.8	386.1	404.4	524.2	1180.2	2590.0	3960.4	6031.7	6381.2	5014.4
72.5°	187.5	203.1	280.9	279.0	325.7	720.0	1761.1	2939.5	4957.6	5194.6	3848.8
75°	146.4	148.2	167.4	206.8	210.4	400.7	847.2	1708.1	3136.2	3153.5	2137.1
77.5°	107.0	111.6	123.5	130.8	137.2	227.8	296.4	678.8	1388.8	1213.1	800.5
80°	72.3	75.0	81.4	97.0	112.5	129.0	96.1	181.1	326.6	253.4	119.8
82.5°	31.1	30.2	56.7	81.4	80.5	53.1	48.5	56.7	65.0	59.5	36.6
85°	1.8	2.7	29.3	39.3	33.8	22.9	30.2	23.8	24.7	23.8	18.3
87.5°	0.9	0.9	2.7	3.7	4.6	4.6	5.5	5.5	7.3	8.2	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°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
2.5°	2.7	2.7	2.7	2.7	2.7	0.9	0.9	0.0	0.0	0.0	0.0
5°	2.7	2.7	2.7	2.7	2.7	0.9	0.0	0.0	0.0	0.0	0.0
7.5°	2.7	2.7	2.7	2.7	2.7	0.9	0.0	10.1	27.4	29.3	28.4
10°	2.7	2.7	2.7	2.7	1.8	23.8	32.9	31.1	30.2	29.3	29.3
12.5°	166.5	140.9	25.6	5.5	23.8	30.2	26.5	26.5	25.6	25.6	25.6
15°	364.1	305.6	143.6	48.5	37.5	25.6	23.8	23.8	39.3	43.0	42.1
17.5°	381.5	308.3	140.9	65.9	54.0	32.9	32.9	42.1	41.2	39.3	39.3
20°	725.5	475.7	162.8	65.0	49.4	52.1	39.3	36.6	34.8	32.9	32.9
22.5°	775.8	559.0	174.7	82.3	53.1	52.1	40.3	33.8	43.0	42.1	42.1
25°	1001.8	675.2	158.3	76.8	68.6	47.6	43.0	37.5	36.6	34.8	34.8
27.5°	1241.5	798.7	174.7	79.6	62.2	46.7	40.3	32.9	34.8	38.4	38.4
30°	1361.3	799.6	138.1	81.4	59.5	47.6	35.7	36.6	34.8	33.8	32.9
32.5°	1827.0	1026.5	132.7	77.8	55.8	41.2	36.6	32.0	29.3	32.0	32.0
35°	1909.3	990.8	115.3	78.7	50.3	37.5	31.1	29.3	29.3	28.4	28.4
37.5°	1999.9	952.4	101.5	69.5	48.5	33.8	26.5	26.5	25.6	27.4	27.4
40°	2099.6	912.1	90.6	60.4	41.2	28.4	23.8	22.9	23.8	23.8	22.9
42.5°	2215.8	872.8	81.4	53.1	34.8	23.8	19.2	19.2	19.2	18.3	18.3
45°	2340.2	841.7	75.0	45.7	29.3	20.1	15.6	14.6	13.7	13.7	13.7
47.5°	2487.5	828.9	69.5	38.4	24.7	15.6	11.9	11.0	10.1	9.1	9.1
50°	2611.0	823.4	61.3	32.0	21.0	12.8	8.2	7.3	6.4	5.5	5.5
52.5°	2719.9	799.6	53.1	25.6	16.5	9.1	5.5	3.7	2.7	2.7	2.7
55°	2827.8	777.6	45.7	22.0	11.9	5.5	2.7	0.9	0.9	1.8	1.8
57.5°	2961.4	752.9	39.3	18.3	9.1	3.7	1.8	0.0	0.9	0.9	1.8
60°	3170.9	727.3	34.8	15.6	6.4	2.7	0.9	0.0	0.0	0.9	0.9
62.5°	3358.5	682.5	30.2	13.7	5.5	2.7	0.9	0.0	0.0	0.0	0.9
65°	3439.9	590.1	26.5	11.9	5.5	2.7	0.9	0.0	0.0	0.0	0.0
67°	3303.6	477.6	23.8	11.0	4.6	1.8	0.9	0.0	0.0	0.0	0.0
67.5°	3239.5	445.5	23.8	10.1	4.6	1.8	0.9	0.9	0.0	0.0	0.0
70°	2750.1	295.5	21.0	9.1	4.6	1.8	1.8	0.9	0.0	0.0	0.0
72.5°	2110.6	172.0	18.3	8.2	4.6	1.8	1.8	0.9	0.9	0.0	0.0
75°	1180.2	86.9	14.6	8.2	4.6	2.7	2.7	1.8	1.8	1.8	0.0
77.5°	377.8	47.6	11.0	7.3	4.6	2.7	2.7	1.8	2.7	2.7	0.9
80°	59.5	24.7	8.2	5.5	4.6	1.8	2.7	2.7	3.7	3.7	0.9
82.5°	22.0	13.7	6.4	5.5	4.6	1.8	2.7	2.7	3.7	4.6	0.0
85°	10.1	8.2	6.4	5.5	4.6	1.8	2.7	2.7	3.7	4.6	0.0
87.5°	4.6	6.4	5.5	5.5	4.6	1.8	2.7	2.7	3.7	3.7	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)