

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: P416288

Luminaire Tested: **LXF.LXT-PA1-70-730-U-T2R-HSS**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416288
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-PA1-70-730-U-T2R-HSS
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 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: 6048 lumens
Efficiency: N/A
Efficacy: 81.7 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 - G1

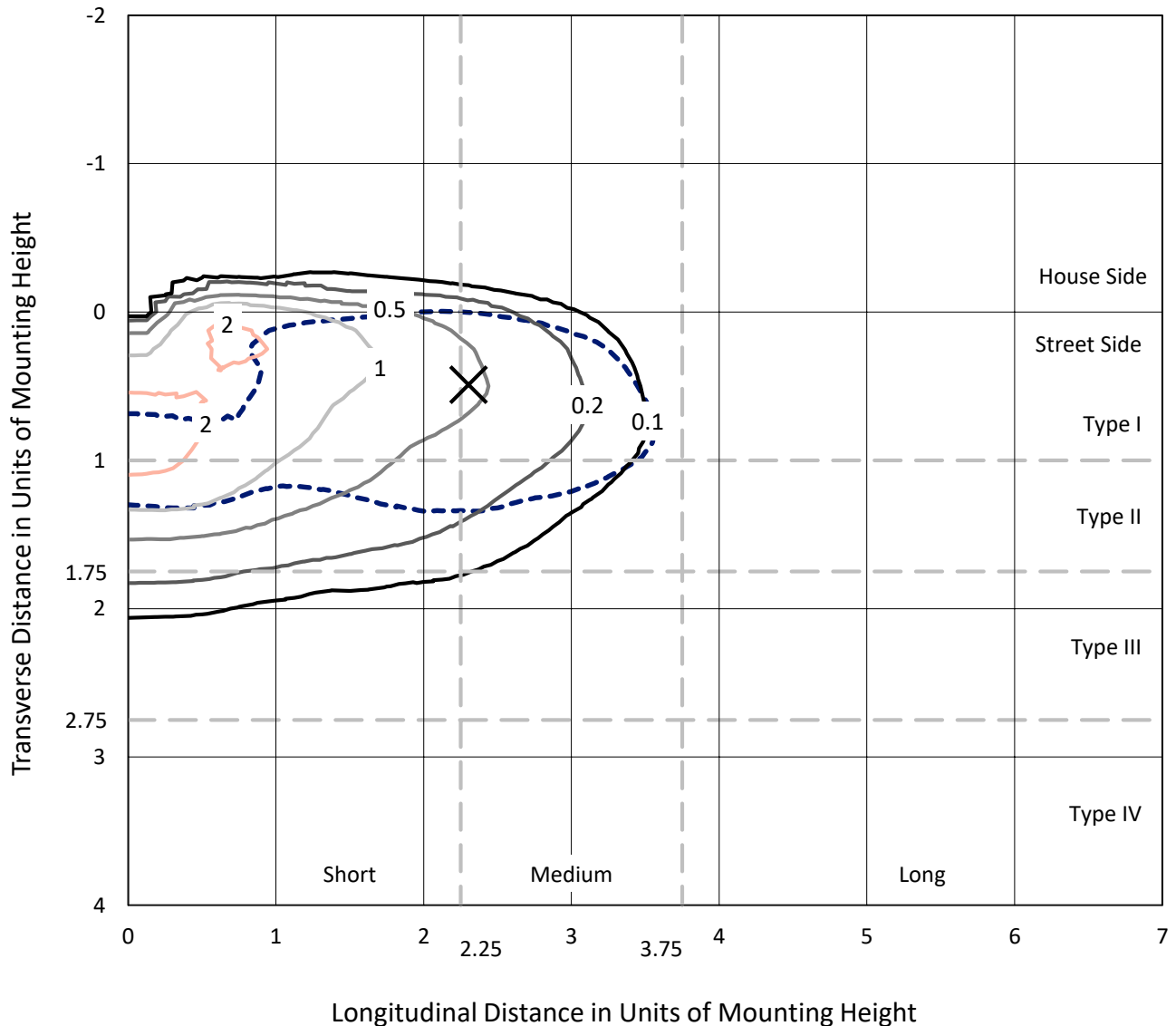
Input Watts (W): 74
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

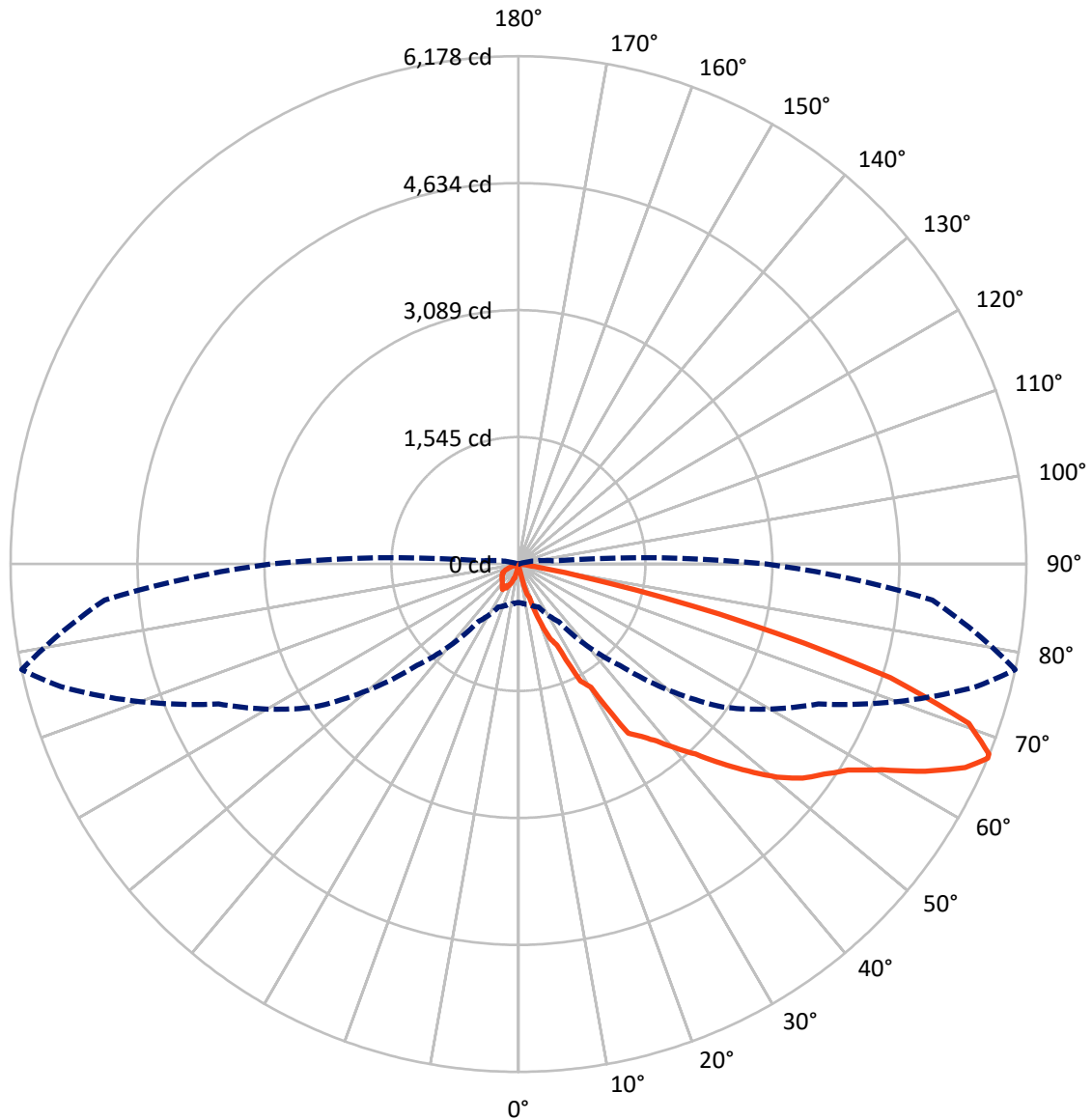
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3 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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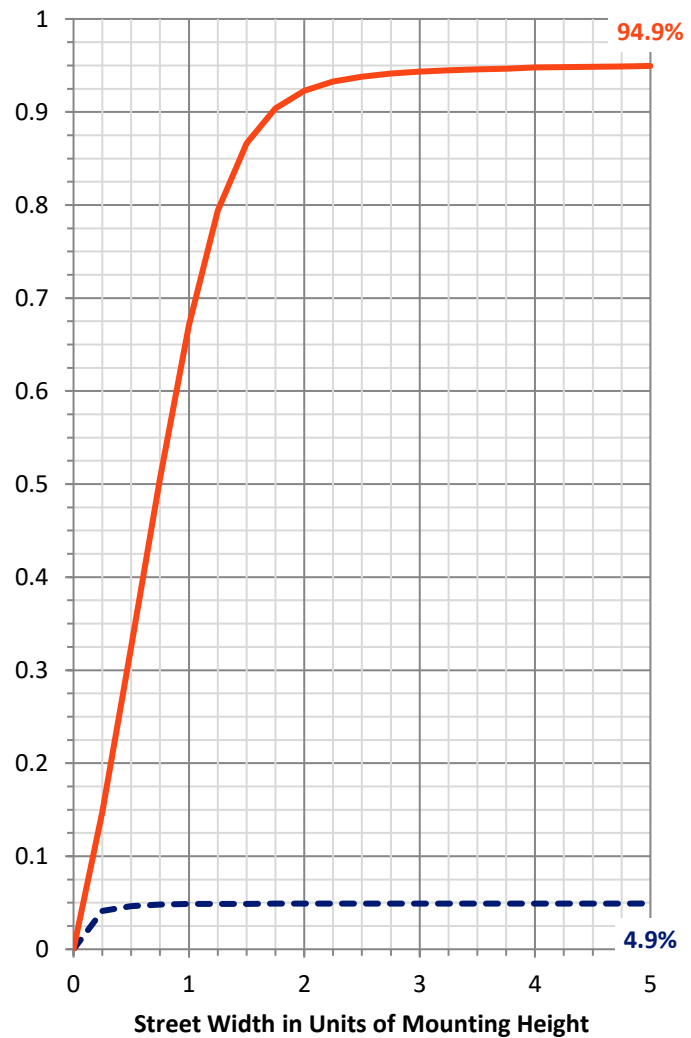
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	299.5	0.0	299.5
	% Fixture	5.0	0.0	5.0
Street Side	Lumens	5748.5	0.0	5748.5
	% Fixture	95.0	0.0	95.0
Total	Lumens	6048.0	0.0	6048.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.7	0.1
10°-20°	82.4	1.4
20°-30°	328.4	5.4
30°-40°	835.4	13.8
40°-50°	1367.8	22.6
50°-60°	1542.3	25.5
60°-70°	1330.0	22.0
70°-80°	535.0	8.8
80°-90°	21.0	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°	6048.0	100.0
0°-180°	6048.0	100.0



--- HS — SS

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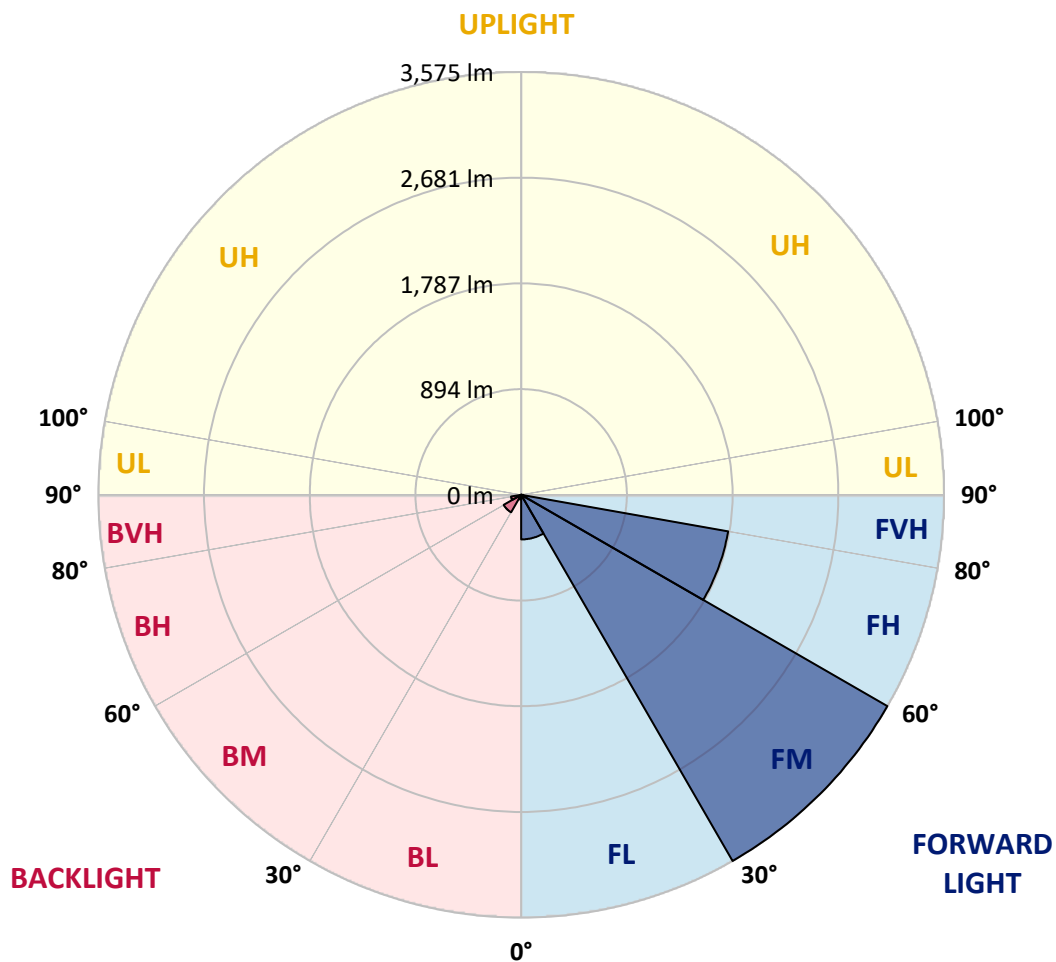
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	377.2	6.2			
FM	(30°-60°)	3575.0	59.1			
FH	(60°-80°)	1777.5	29.4			G1/1800
FVH	(80°-90°)	18.8	0.3			G1/100
BL	(0°-30°)	39.3	0.6	B0/110		
BM	(30°-60°)	170.5	2.8	B0/220		
BH	(60°-80°)	87.5	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°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
2.5°	0.8	0.8	1.7	1.7	3.3	3.3	2.5	2.5	2.5	2.5	2.5
5°	253.3	198.3	140.8	40.8	15.8	7.5	3.3	2.5	2.5	2.5	1.7
7.5°	282.4	279.9	276.6	274.9	269.9	261.6	18.3	3.3	2.5	2.5	2.5
10°	302.4	297.4	296.6	295.8	292.4	285.8	273.3	15.8	2.5	2.5	2.5
12.5°	607.4	604.9	594.9	348.3	313.3	306.6	295.8	212.5	16.7	140.0	151.6
15°	599.9	598.2	604.9	618.2	630.7	336.6	480.7	606.5	372.4	356.6	371.6
17.5°	620.7	619.9	609.0	619.9	639.0	745.7	686.5	661.5	413.3	431.6	396.6
20°	929.8	928.2	937.3	881.5	663.2	929.0	862.3	716.5	811.5	745.7	749.0
22.5°	976.5	979.8	977.3	996.5	1151.4	959.8	1073.1	1114.0	1127.3	987.3	852.3
25°	1433.1	1412.2	1368.9	1058.1	1241.4	1190.6	1363.1	1203.9	1212.3	1092.3	1092.3
27.5°	1605.5	1605.5	1569.7	1528.9	1317.2	1528.9	1434.7	1581.4	1724.7	1611.4	1368.1
30°	2178.7	2162.1	1800.5	1748.8	1639.7	1618.0	1732.2	1856.3	1793.0	1739.7	1538.9
32.5°	2590.3	2592.0	2500.4	2220.4	1949.6	1804.7	2006.3	2047.9	2390.4	2452.9	2086.3
35°	3305.2	3263.5	2815.3	2561.2	2294.6	2197.9	2187.9	2398.7	2595.3	2573.7	2261.2
37.5°	3759.3	3730.1	3513.5	2942.8	2601.2	2384.5	2514.5	2524.5	2842.8	2733.6	2470.4
40°	3967.6	3954.2	3770.9	3286.0	2870.3	2639.5	2681.1	2713.6	3091.1	2941.1	2646.2
42.5°	4135.9	4123.4	3956.7	3458.5	3128.6	2883.6	2868.6	2874.4	3291.9	3160.2	2823.6
45°	4216.7	4209.2	4137.5	3611.0	3241.0	3041.9	3072.7	3035.2	3466.8	3458.5	3020.2
47.5°	4138.4	4142.5	4162.5	3745.9	3323.5	3166.9	3271.0	3211.0	3675.1	3762.6	3241.9
50°	3862.6	3860.9	3975.1	3765.9	3371.0	3266.9	3446.0	3376.8	3922.6	4074.2	3441.8
52.5°	3013.6	3124.4	3537.6	3551.0	3360.2	3316.9	3577.6	3567.6	4155.9	4327.5	3641.8
55°	2267.9	2312.9	2705.3	3080.2	3220.2	3311.0	3624.3	3696.0	4328.3	4512.5	3798.4
57.5°	1782.2	1767.2	1982.1	2482.9	2866.9	3212.7	3613.5	3745.9	4496.6	4729.1	4005.1
60°	1303.9	1317.2	1488.0	1800.5	2357.9	2989.4	3580.1	3826.8	4763.2	5079.0	4312.5
62.5°	945.7	945.7	1063.1	1253.9	1806.3	2631.2	3507.7	3940.1	5180.7	5553.9	4678.3
65°	636.5	632.4	719.9	817.3	1237.3	2177.1	3312.7	4045.9	5580.6	5971.3	4992.4
67°	468.2	477.4	513.2	577.4	855.7	1743.8	3034.4	4025.1	5764.7	6178.0	5054.0
67.5°	438.2	442.4	491.6	548.2	789.0	1628.9	2955.3	4000.1	5784.7	6173.0	5022.4
70°	318.3	324.9	351.6	368.3	477.4	1074.8	2358.7	3606.8	5493.1	5811.4	4566.6
72.5°	170.8	185.0	255.8	254.1	296.6	655.7	1603.9	2677.0	4515.0	4730.8	3505.2
75°	133.3	135.0	152.5	188.3	191.6	364.9	771.5	1555.5	2856.1	2871.9	1946.3
77.5°	97.5	101.6	112.5	119.1	125.0	207.5	269.9	618.2	1264.8	1104.8	729.0
80°	65.8	68.3	74.2	88.3	102.5	117.5	87.5	165.0	297.4	230.8	109.1
82.5°	28.3	27.5	51.7	74.2	73.3	48.3	44.2	51.7	59.2	54.2	33.3
85°	1.7	2.5	26.7	35.8	30.8	20.8	27.5	21.7	22.5	21.7	16.7
87.5°	0.8	0.8	2.5	3.3	4.2	4.2	5.0	5.0	6.7	7.5	6.7
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°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
2.5°	2.5	2.5	2.5	2.5	2.5	0.8	0.8	0.0	0.0	0.0	0.0
5°	2.5	2.5	2.5	2.5	2.5	0.8	0.0	0.0	0.0	0.0	0.0
7.5°	2.5	2.5	2.5	2.5	2.5	0.8	0.0	9.2	25.0	26.7	25.8
10°	2.5	2.5	2.5	2.5	1.7	21.7	30.0	28.3	27.5	26.7	26.7
12.5°	151.6	128.3	23.3	5.0	21.7	27.5	24.2	24.2	23.3	23.3	23.3
15°	331.6	278.3	130.8	44.2	34.2	23.3	21.7	21.7	35.8	39.2	38.3
17.5°	347.4	280.8	128.3	60.0	49.2	30.0	30.0	38.3	37.5	35.8	35.8
20°	660.7	433.2	148.3	59.2	45.0	47.5	35.8	33.3	31.7	30.0	30.0
22.5°	706.5	509.1	159.1	75.0	48.3	47.5	36.7	30.8	39.2	38.3	38.3
25°	912.3	614.9	144.1	70.0	62.5	43.3	39.2	34.2	33.3	31.7	31.7
27.5°	1130.6	727.4	159.1	72.5	56.7	42.5	36.7	30.0	31.7	35.0	35.0
30°	1239.8	728.2	125.8	74.2	54.2	43.3	32.5	33.3	31.7	30.8	30.0
32.5°	1663.8	934.8	120.8	70.8	50.8	37.5	33.3	29.2	26.7	29.2	29.2
35°	1738.8	902.3	105.0	71.7	45.8	34.2	28.3	26.7	26.7	25.8	25.8
37.5°	1821.3	867.3	92.5	63.3	44.2	30.8	24.2	24.2	23.3	25.0	25.0
40°	1912.1	830.7	82.5	55.0	37.5	25.8	21.7	20.8	21.7	21.7	20.8
42.5°	2017.9	794.8	74.2	48.3	31.7	21.7	17.5	17.5	17.5	16.7	16.7
45°	2131.3	766.5	68.3	41.7	26.7	18.3	14.2	13.3	12.5	12.5	12.5
47.5°	2265.4	754.9	63.3	35.0	22.5	14.2	10.8	10.0	9.2	8.3	8.3
50°	2377.9	749.9	55.8	29.2	19.2	11.7	7.5	6.7	5.8	5.0	5.0
52.5°	2477.0	728.2	48.3	23.3	15.0	8.3	5.0	3.3	2.5	2.5	2.5
55°	2575.3	708.2	41.7	20.0	10.8	5.0	2.5	0.8	0.8	1.7	1.7
57.5°	2697.0	685.7	35.8	16.7	8.3	3.3	1.7	0.0	0.8	0.8	1.7
60°	2887.8	662.4	31.7	14.2	5.8	2.5	0.8	0.0	0.0	0.8	0.8
62.5°	3058.6	621.5	27.5	12.5	5.0	2.5	0.8	0.0	0.0	0.0	0.8
65°	3132.7	537.4	24.2	10.8	5.0	2.5	0.8	0.0	0.0	0.0	0.0
67°	3008.6	434.9	21.7	10.0	4.2	1.7	0.8	0.0	0.0	0.0	0.0
67.5°	2950.3	405.8	21.7	9.2	4.2	1.7	0.8	0.8	0.0	0.0	0.0
70°	2504.5	269.1	19.2	8.3	4.2	1.7	1.7	0.8	0.0	0.0	0.0
72.5°	1922.1	156.6	16.7	7.5	4.2	1.7	1.7	0.8	0.8	0.0	0.0
75°	1074.8	79.2	13.3	7.5	4.2	2.5	2.5	1.7	1.7	1.7	0.0
77.5°	344.1	43.3	10.0	6.7	4.2	2.5	2.5	1.7	2.5	2.5	0.8
80°	54.2	22.5	7.5	5.0	4.2	1.7	2.5	2.5	3.3	3.3	0.8
82.5°	20.0	12.5	5.8	5.0	4.2	1.7	2.5	2.5	3.3	4.2	0.0
85°	9.2	7.5	5.8	5.0	4.2	1.7	2.5	2.5	3.3	4.2	0.0
87.5°	4.2	5.8	5.0	5.0	4.2	1.7	2.5	2.5	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)