

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: P417328

Luminaire Tested: **LXF.LXT-PA1-90-827-U-T2R-HSS**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P417328
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-PA1-90-827-U-T2R-HSS
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 1180mA 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: 5753 lumens
Efficiency: N/A
Efficacy: 61.2 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

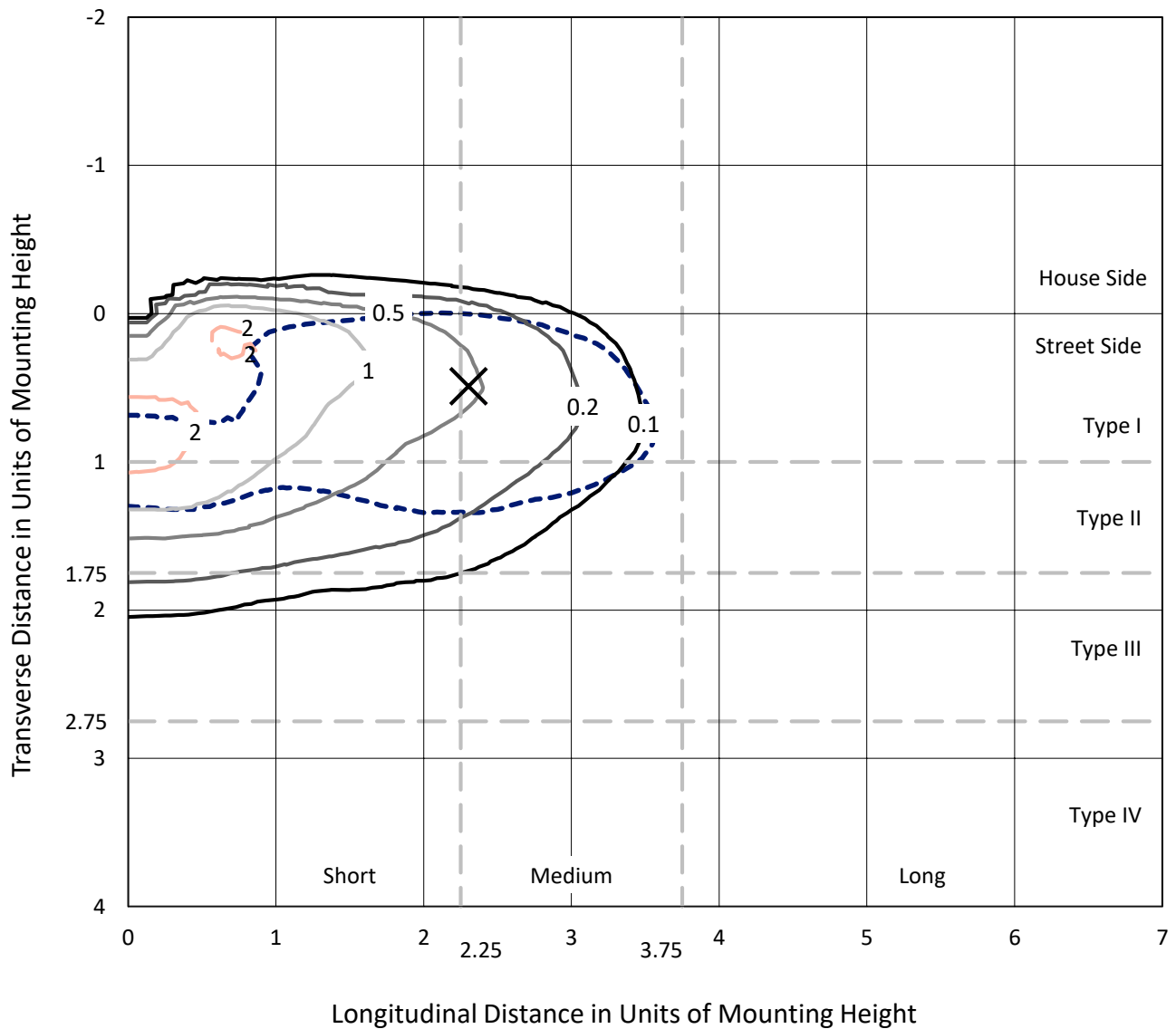
Input Watts (W): 94
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

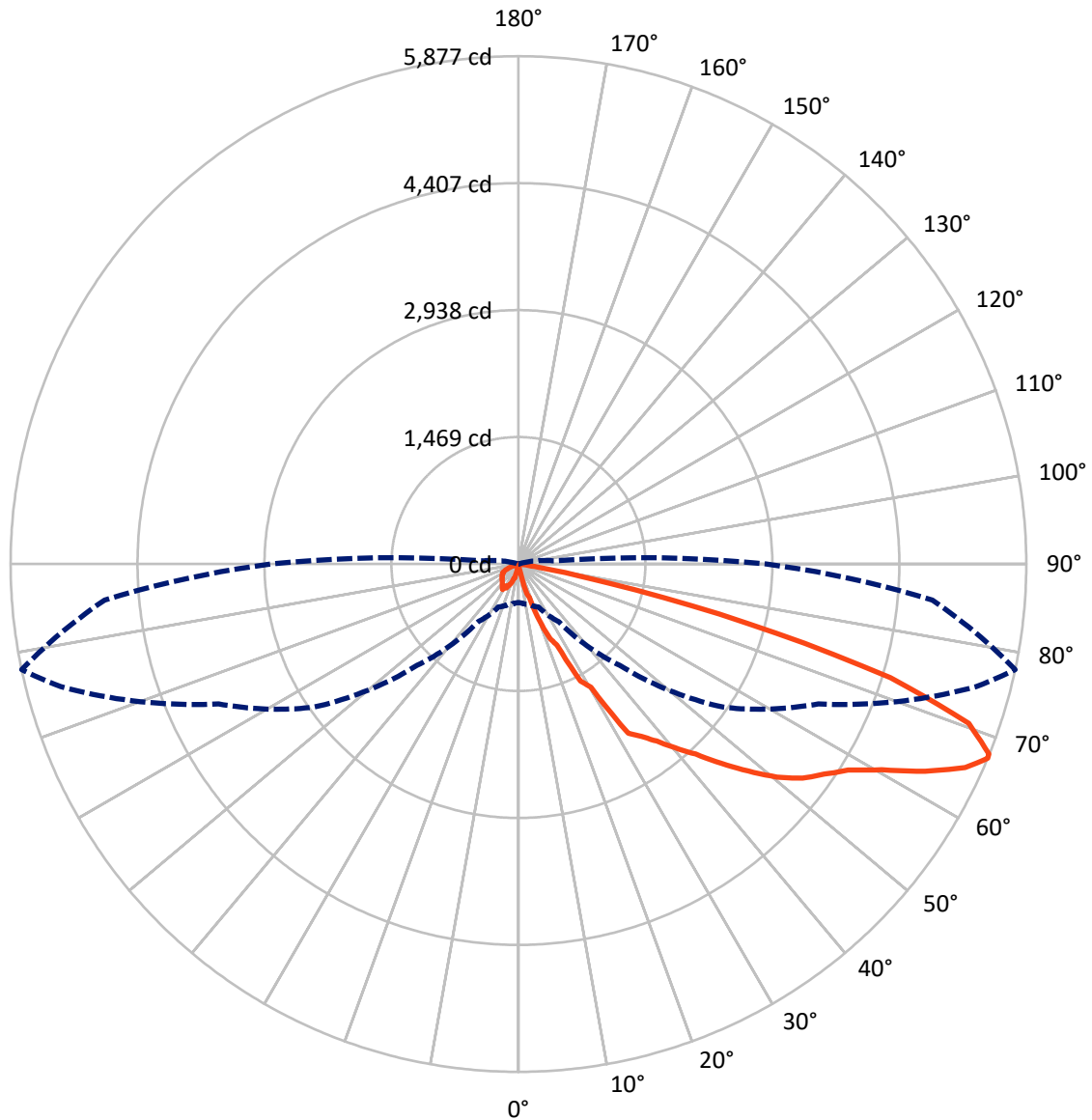
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.8 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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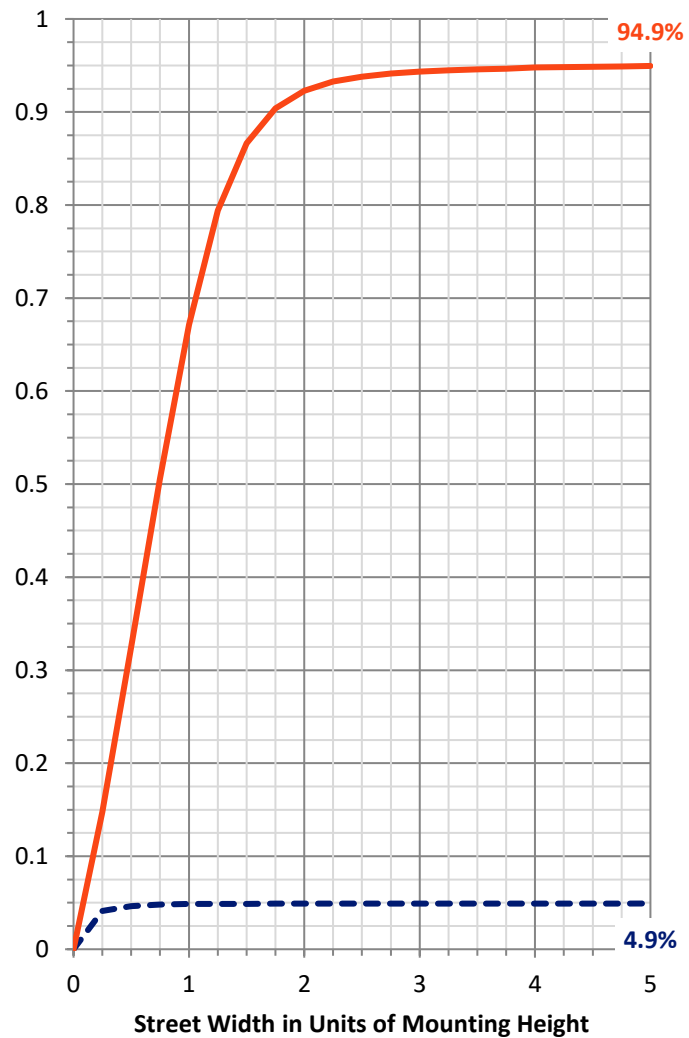
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	284.9	0.0	284.9
	% Fixture	5.0	0.0	5.0
Street Side	Lumens	5468.1	0.0	5468.1
	% Fixture	95.0	0.0	95.0
Total	Lumens	5753.0	0.0	5753.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.4	0.1
10°-20°	78.4	1.4
20°-30°	312.4	5.4
30°-40°	794.6	13.8
40°-50°	1301.1	22.6
50°-60°	1467.1	25.5
60°-70°	1265.1	22.0
70°-80°	508.9	8.8
80°-90°	20.0	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°	5753.0	100.0
0°-180°	5753.0	100.0



--- HS — SS

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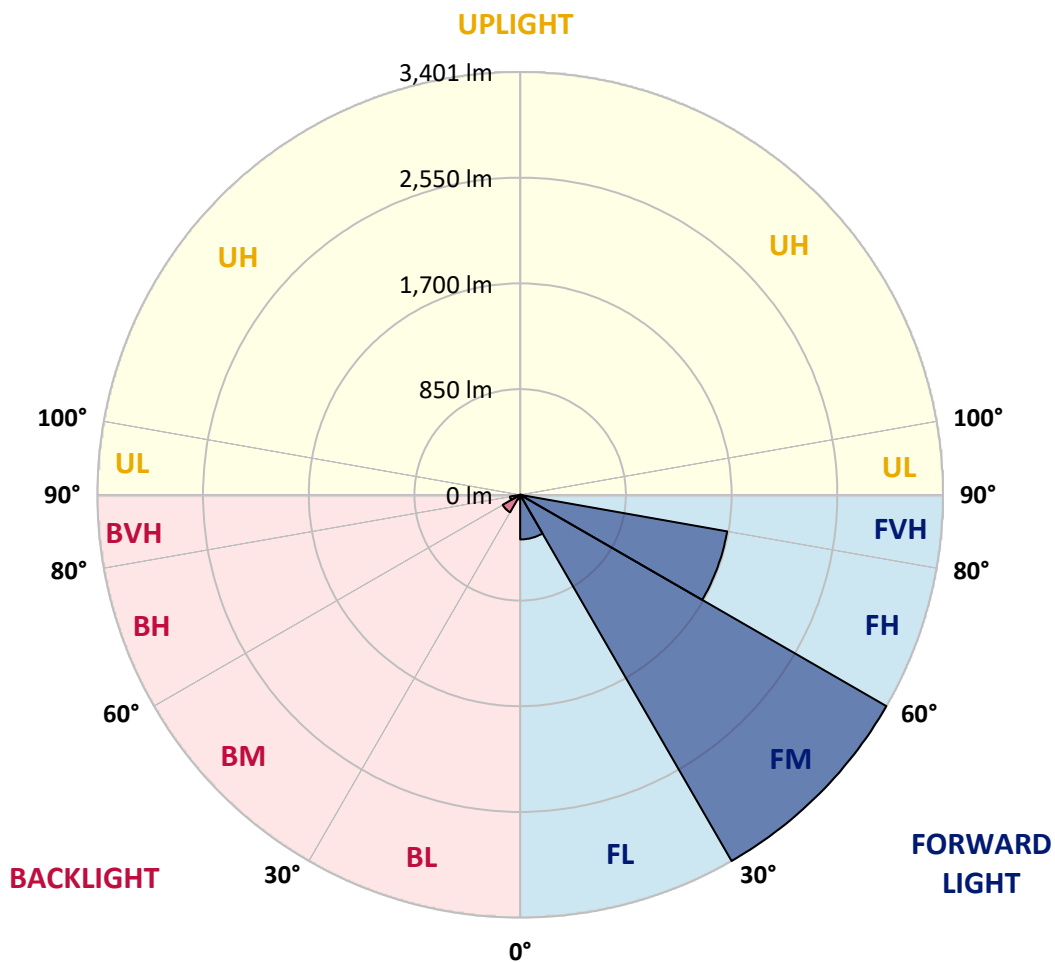
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	358.8	6.2			
FM	(30°-60°)	3400.6	59.1			
FH	(60°-80°)	1690.8	29.4			G1/1800
FVH	(80°-90°)	17.9	0.3			G1/100
BL	(0°-30°)	37.4	0.6	B0/110		
BM	(30°-60°)	162.2	2.8	B0/220		
BH	(60°-80°)	83.3	1.4	B0/110		G0/110
BVH	(80°-90°)	2.0	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	3.2	3.2	2.4	2.4	2.4	2.4	2.4
5°	240.9	188.6	133.9	38.8	15.1	7.1	3.2	2.4	2.4	2.4	1.6
7.5°	268.7	266.3	263.1	261.5	256.8	248.9	17.4	3.2	2.4	2.4	2.4
10°	287.7	282.9	282.1	281.3	278.2	271.8	260.0	15.1	2.4	2.4	2.4
12.5°	577.8	575.4	565.9	331.3	298.0	291.7	281.3	202.1	15.9	133.1	144.2
15°	570.6	569.0	575.4	588.1	599.9	320.2	457.3	577.0	354.3	339.2	353.5
17.5°	590.4	589.6	579.3	589.6	607.9	709.3	653.0	629.3	393.1	410.5	377.2
20°	884.5	882.9	891.6	838.5	630.9	883.7	820.3	681.6	771.9	709.3	712.5
22.5°	928.8	932.0	929.6	947.9	1095.3	913.0	1020.8	1059.6	1072.3	939.2	810.8
25°	1363.2	1343.3	1302.1	1006.5	1180.9	1132.5	1296.6	1145.2	1153.1	1039.0	1039.0
27.5°	1527.2	1527.2	1493.1	1454.3	1253.0	1454.3	1364.7	1504.2	1640.5	1532.8	1301.3
30°	2072.5	2056.6	1712.7	1663.5	1559.7	1539.1	1647.7	1765.8	1705.5	1654.8	1463.8
32.5°	2464.0	2465.6	2378.4	2112.1	1854.5	1716.6	1908.4	1948.0	2273.8	2333.2	1984.5
35°	3144.0	3104.4	2678.0	2436.2	2182.6	2090.7	2081.2	2281.7	2468.7	2448.1	2150.9
37.5°	3575.9	3548.2	3342.1	2799.2	2474.3	2268.2	2391.9	2401.4	2704.1	2600.3	2349.9
40°	3774.0	3761.4	3587.0	3125.8	2730.3	2510.7	2550.4	2581.3	2940.3	2797.6	2517.1
42.5°	3934.1	3922.2	3763.7	3289.8	2976.0	2743.0	2728.7	2734.2	3131.3	3006.1	2685.9
45°	4011.0	4003.9	3935.7	3434.8	3083.0	2893.5	2922.9	2887.2	3297.7	3289.8	2872.9
47.5°	3936.5	3940.5	3959.5	3563.2	3161.4	3012.4	3111.5	3054.4	3495.9	3579.1	3083.7
50°	3674.2	3672.6	3781.2	3582.2	3206.6	3107.5	3277.9	3212.1	3731.2	3875.5	3274.0
52.5°	2866.6	2972.0	3365.1	3377.8	3196.3	3155.1	3403.1	3393.6	3953.2	4116.4	3464.2
55°	2157.3	2200.1	2573.4	2930.0	3063.1	3149.5	3447.5	3515.7	4117.2	4292.4	3613.2
57.5°	1695.2	1681.0	1885.4	2361.7	2727.1	3056.0	3437.2	3563.2	4277.3	4498.4	3809.7
60°	1240.3	1253.0	1415.5	1712.7	2242.9	2843.6	3405.5	3640.1	4530.9	4831.3	4102.2
62.5°	899.5	899.5	1011.3	1192.8	1718.2	2502.8	3336.6	3747.9	4928.0	5283.0	4450.1
65°	605.5	601.5	684.7	777.5	1176.9	2070.9	3151.1	3848.5	5308.4	5680.1	4748.9
67°	445.4	454.1	488.2	549.2	813.9	1658.8	2886.4	3828.7	5483.5	5876.6	4807.5
67.5°	416.9	420.8	467.6	521.5	750.5	1549.4	2811.1	3805.0	5502.6	5871.9	4777.4
70°	302.7	309.1	334.4	350.3	454.1	1022.4	2243.7	3430.9	5225.2	5527.9	4343.9
72.5°	162.5	175.9	243.3	241.7	282.1	623.7	1525.6	2546.4	4294.7	4500.0	3334.2
75°	126.8	128.4	145.0	179.1	182.3	347.1	733.9	1479.7	2716.8	2731.9	1851.4
77.5°	92.7	96.7	107.0	113.3	118.9	197.3	256.8	588.1	1203.1	1050.9	693.5
80°	62.6	65.0	70.5	84.0	97.5	111.7	83.2	156.9	282.9	219.5	103.8
82.5°	26.9	26.2	49.1	70.5	69.7	46.0	42.0	49.1	56.3	51.5	31.7
85°	1.6	2.4	25.4	34.1	29.3	19.8	26.2	20.6	21.4	20.6	15.9
87.5°	0.8	0.8	2.4	3.2	4.0	4.0	4.8	4.8	6.3	7.1	6.3
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°	1.6	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	8.7	23.8	25.4	24.6
10°	2.4	2.4	2.4	2.4	1.6	20.6	28.5	26.9	26.2	25.4	25.4
12.5°	144.2	122.1	22.2	4.8	20.6	26.2	23.0	23.0	22.2	22.2	22.2
15°	315.4	264.7	124.4	42.0	32.5	22.2	20.6	20.6	34.1	37.2	36.5
17.5°	330.5	267.1	122.1	57.1	46.8	28.5	28.5	36.5	35.7	34.1	34.1
20°	628.5	412.1	141.1	56.3	42.8	45.2	34.1	31.7	30.1	28.5	28.5
22.5°	672.1	484.2	151.4	71.3	46.0	45.2	34.9	29.3	37.2	36.5	36.5
25°	867.8	584.9	137.1	66.6	59.4	41.2	37.2	32.5	31.7	30.1	30.1
27.5°	1075.5	691.9	151.4	69.0	53.9	40.4	34.9	28.5	30.1	33.3	33.3
30°	1179.3	692.7	119.7	70.5	51.5	41.2	30.9	31.7	30.1	29.3	28.5
32.5°	1582.7	889.2	114.9	67.4	48.3	35.7	31.7	27.7	25.4	27.7	27.7
35°	1654.0	858.3	99.9	68.2	43.6	32.5	26.9	25.4	25.4	24.6	24.6
37.5°	1732.5	825.0	88.0	60.2	42.0	29.3	23.0	23.0	22.2	23.8	23.8
40°	1818.9	790.2	78.5	52.3	35.7	24.6	20.6	19.8	20.6	20.6	19.8
42.5°	1919.5	756.1	70.5	46.0	30.1	20.6	16.6	16.6	16.6	15.9	15.9
45°	2027.3	729.1	65.0	39.6	25.4	17.4	13.5	12.7	11.9	11.9	11.9
47.5°	2154.9	718.0	60.2	33.3	21.4	13.5	10.3	9.5	8.7	7.9	7.9
50°	2261.9	713.3	53.1	27.7	18.2	11.1	7.1	6.3	5.5	4.8	4.8
52.5°	2356.2	692.7	46.0	22.2	14.3	7.9	4.8	3.2	2.4	2.4	2.4
55°	2449.7	673.7	39.6	19.0	10.3	4.8	2.4	0.8	0.8	1.6	1.6
57.5°	2565.4	652.3	34.1	15.9	7.9	3.2	1.6	0.0	0.8	0.8	1.6
60°	2746.9	630.1	30.1	13.5	5.5	2.4	0.8	0.0	0.0	0.8	0.8
62.5°	2909.4	591.2	26.2	11.9	4.8	2.4	0.8	0.0	0.0	0.0	0.8
65°	2979.9	511.2	23.0	10.3	4.8	2.4	0.8	0.0	0.0	0.0	0.0
67°	2861.8	413.7	20.6	9.5	4.0	1.6	0.8	0.0	0.0	0.0	0.0
67.5°	2806.4	386.0	20.6	8.7	4.0	1.6	0.8	0.8	0.0	0.0	0.0
70°	2382.4	256.0	18.2	7.9	4.0	1.6	1.6	0.8	0.0	0.0	0.0
72.5°	1828.4	149.0	15.9	7.1	4.0	1.6	1.6	0.8	0.8	0.0	0.0
75°	1022.4	75.3	12.7	7.1	4.0	2.4	2.4	1.6	1.6	1.6	0.0
77.5°	327.3	41.2	9.5	6.3	4.0	2.4	2.4	1.6	2.4	2.4	0.8
80°	51.5	21.4	7.1	4.8	4.0	1.6	2.4	2.4	3.2	3.2	0.8
82.5°	19.0	11.9	5.5	4.8	4.0	1.6	2.4	2.4	3.2	4.0	0.0
85°	8.7	7.1	5.5	4.8	4.0	1.6	2.4	2.4	3.2	4.0	0.0
87.5°	4.0	5.5	4.8	4.8	4.0	1.6	2.4	2.4	3.2	3.2	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)