

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: P414000

Luminaire Tested: **LXF.LXT-PA1-100-827-U-T2R-HSS**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414000
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-PA1-100-827-U-T2R-HSS
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 1200mA 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: 5826 lumens
Efficiency: N/A
Efficacy: 60.7 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

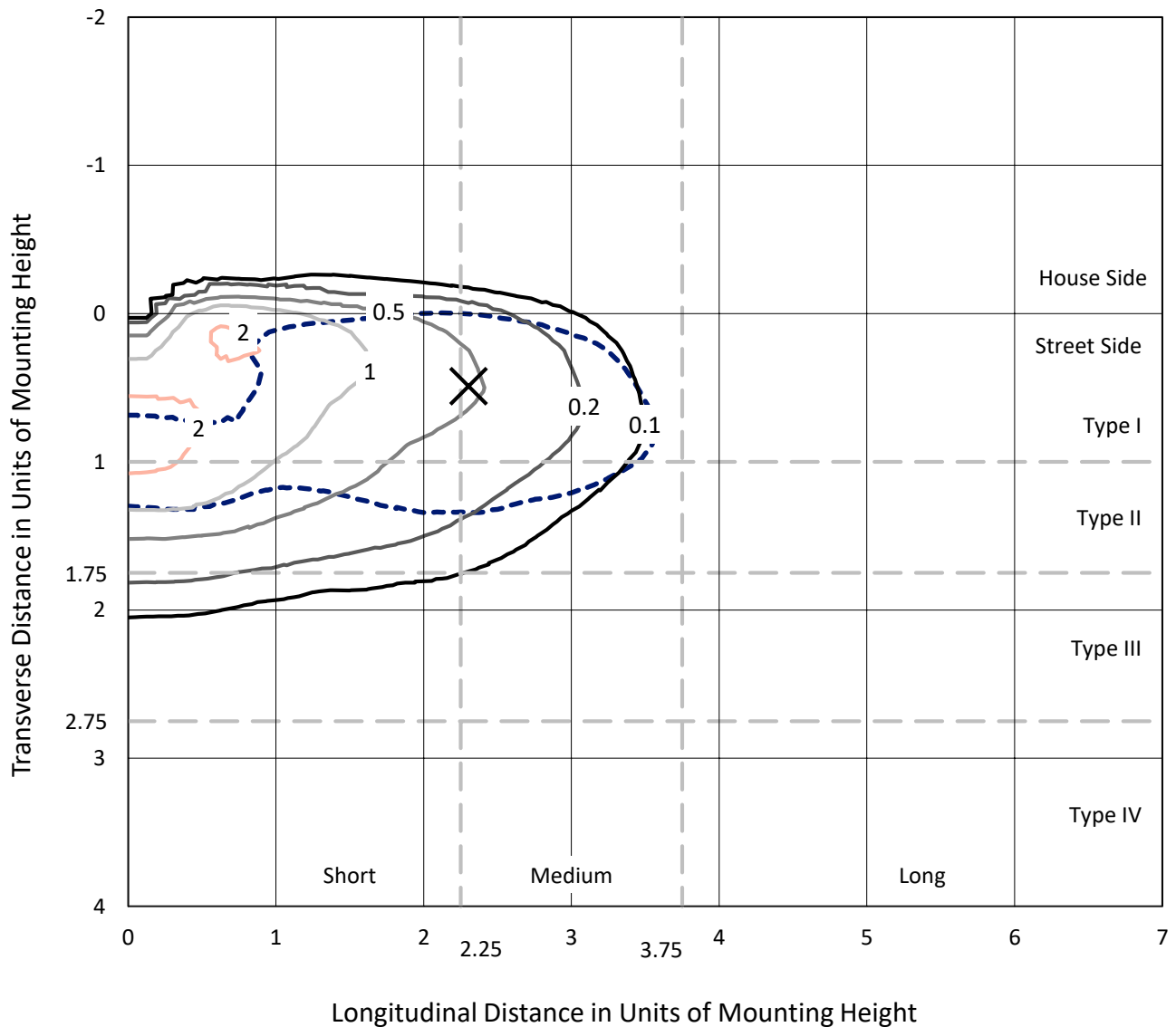
Input Watts (W): 96
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

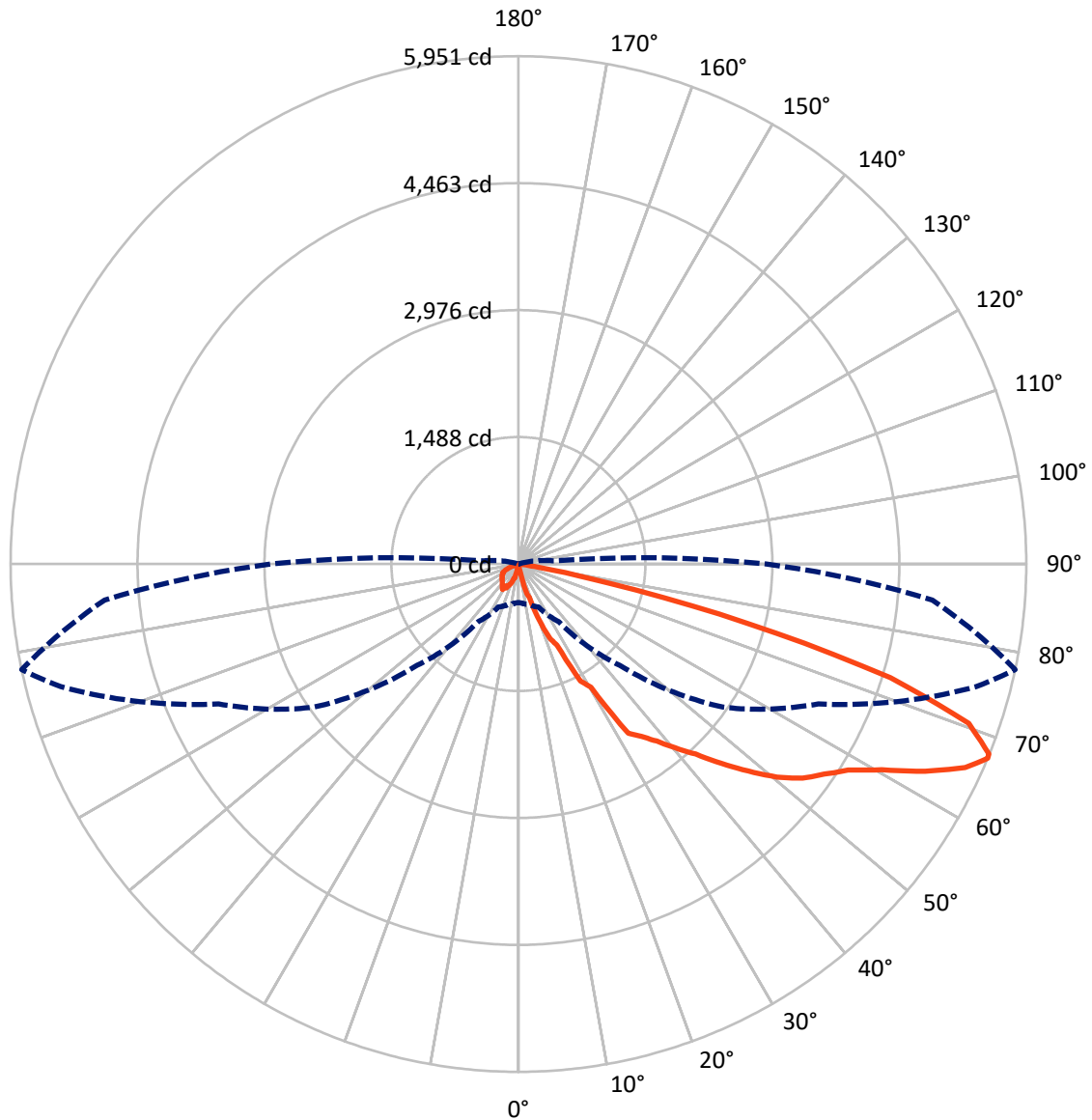
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.9 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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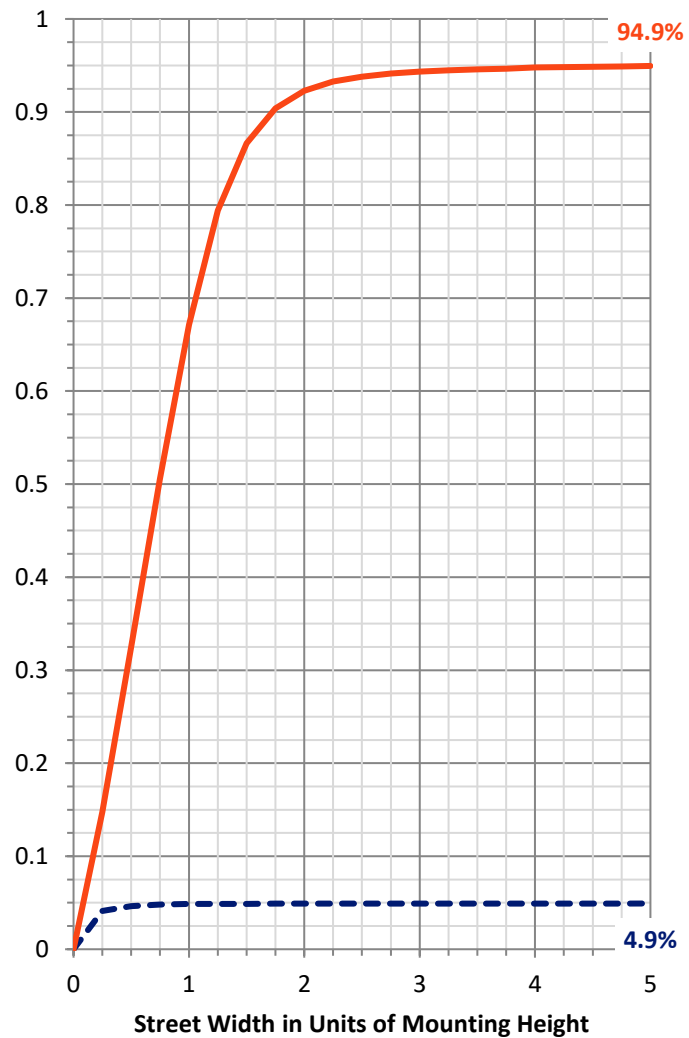
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	288.5	0.0	288.5
	% Fixture	5.0	0.0	5.0
Street Side	Lumens	5537.5	0.0	5537.5
	% Fixture	95.0	0.0	95.0
Total	Lumens	5826.0	0.0	5826.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.5	0.1
10°-20°	79.4	1.4
20°-30°	316.3	5.4
30°-40°	804.7	13.8
40°-50°	1317.6	22.6
50°-60°	1485.7	25.5
60°-70°	1281.2	22.0
70°-80°	515.4	8.8
80°-90°	20.2	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°	5826.0	100.0
0°-180°	5826.0	100.0

Coefficient of Utilization



--- HS — SS

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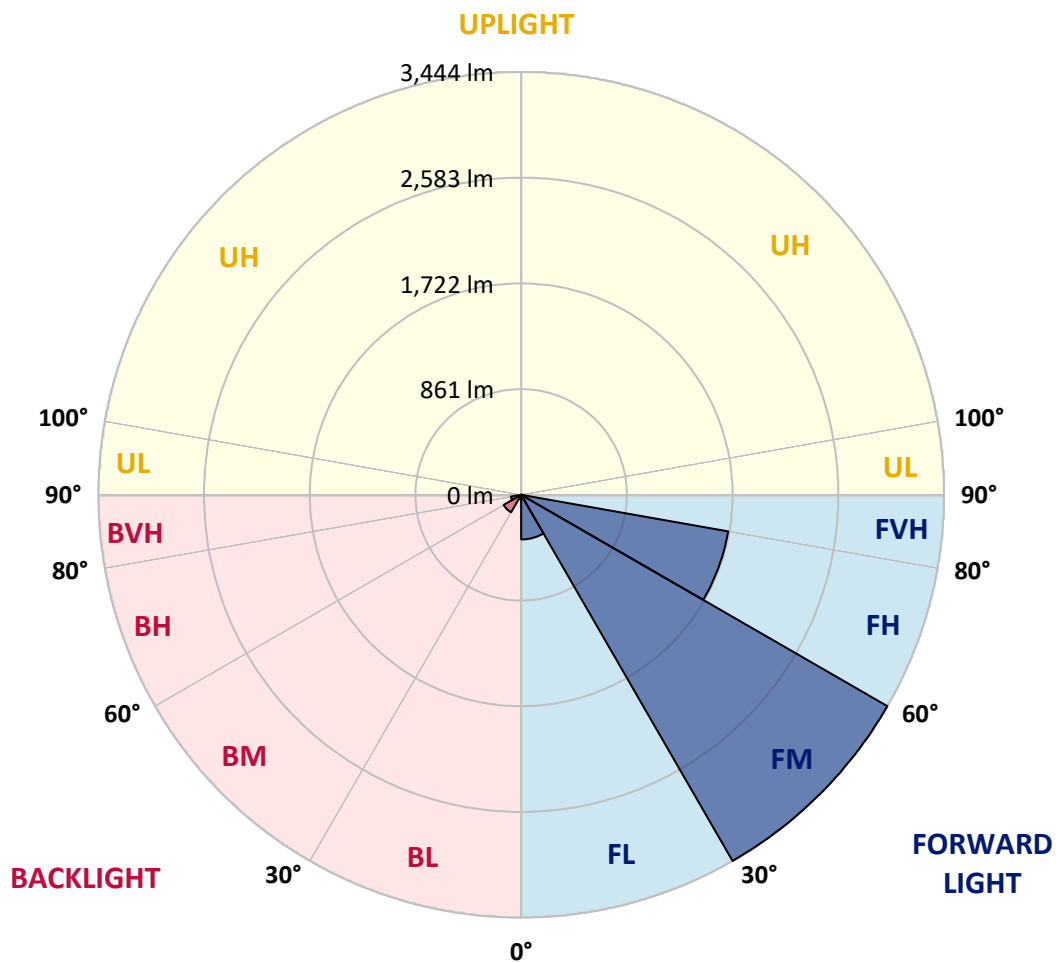
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	363.4	6.2			
FM (30°-60°)	3443.8	59.1			
FH (60°-80°)	1712.2	29.4			G1/1800
FVH (80°-90°)	18.1	0.3			G1/100
BL (0°-30°)	37.9	0.6	B0/110		
BM (30°-60°)	164.3	2.8	B0/220		
BH (60°-80°)	84.3	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°	244.0	191.0	135.6	39.3	15.2	7.2	3.2	2.4	2.4	2.4	1.6
7.5°	272.1	269.7	266.5	264.9	260.0	252.0	17.7	3.2	2.4	2.4	2.4
10°	291.3	286.5	285.7	284.9	281.7	275.3	263.2	15.2	2.4	2.4	2.4
12.5°	585.1	582.7	573.0	335.5	301.8	295.4	284.9	204.7	16.1	134.8	146.1
15°	577.9	576.3	582.7	595.5	607.6	324.2	463.1	584.3	358.8	343.5	358.0
17.5°	597.9	597.1	586.7	597.1	615.6	718.3	661.3	637.3	398.1	415.7	382.0
20°	895.7	894.1	902.9	849.1	638.9	894.9	830.7	690.2	781.7	718.3	721.5
22.5°	940.6	943.8	941.4	959.9	1109.2	924.6	1033.7	1073.1	1085.9	951.1	821.0
25°	1380.5	1360.4	1318.7	1019.3	1195.9	1146.9	1313.0	1159.7	1167.8	1052.2	1052.2
27.5°	1546.6	1546.6	1512.1	1472.8	1268.9	1472.8	1382.1	1523.3	1661.4	1552.2	1317.9
30°	2098.8	2082.7	1734.4	1684.6	1579.5	1558.6	1668.6	1788.2	1727.2	1675.8	1482.4
32.5°	2495.3	2496.9	2408.6	2138.9	1878.1	1738.4	1932.6	1972.8	2302.6	2362.8	2009.7
35°	3183.9	3143.7	2712.0	2467.2	2210.3	2117.2	2107.6	2310.7	2500.1	2479.2	2178.2
37.5°	3621.3	3593.2	3384.5	2834.7	2505.7	2297.0	2422.2	2431.8	2738.4	2633.3	2379.7
40°	3821.9	3809.1	3632.5	3165.4	2764.9	2542.6	2582.7	2614.0	2977.6	2833.1	2549.0
42.5°	3984.1	3972.0	3811.5	3331.5	3013.7	2777.8	2763.3	2768.9	3171.0	3044.2	2720.0
45°	4061.9	4054.7	3985.7	3478.4	3122.1	2930.3	2960.0	2923.8	3339.6	3331.5	2909.4
47.5°	3986.5	3990.5	4009.7	3608.4	3201.5	3050.6	3151.0	3093.2	3540.2	3624.5	3122.9
50°	3720.8	3719.2	3829.2	3627.7	3247.3	3147.0	3319.5	3252.9	3778.6	3924.7	3315.5
52.5°	2903.0	3009.7	3407.8	3420.6	3236.8	3195.1	3446.3	3436.7	4003.3	4168.7	3508.1
55°	2184.6	2228.0	2606.0	2967.2	3102.0	3189.5	3491.3	3560.3	4169.5	4346.8	3659.0
57.5°	1716.7	1702.3	1909.4	2391.7	2761.7	3094.8	3480.8	3608.4	4331.6	4555.5	3858.0
60°	1256.1	1268.9	1433.4	1734.4	2271.3	2879.7	3448.7	3686.3	4588.4	4892.6	4154.2
62.5°	910.9	910.9	1024.1	1207.9	1740.0	2534.6	3378.9	3795.4	4990.5	5350.1	4506.5
65°	613.2	609.2	693.4	787.3	1191.8	2097.2	3191.1	3897.4	5375.7	5752.2	4809.1
67°	451.1	459.9	494.4	556.2	824.3	1679.8	2923.0	3877.3	5553.1	5951.2	4868.5
67.5°	422.2	426.2	473.5	528.1	760.1	1569.1	2846.8	3853.2	5572.4	5946.4	4838.0
70°	306.6	313.0	338.7	354.7	459.9	1035.3	2272.1	3474.4	5291.5	5598.1	4399.0
72.5°	164.5	178.2	246.4	244.8	285.7	631.6	1545.0	2578.7	4349.2	4557.1	3376.5
75°	128.4	130.0	146.9	181.4	184.6	351.5	743.2	1498.4	2751.3	2766.5	1874.8
77.5°	93.9	97.9	108.3	114.8	120.4	199.8	260.0	595.5	1218.3	1064.2	702.3
80°	63.4	65.8	71.4	85.1	98.7	113.2	84.3	158.9	286.5	222.3	105.1
82.5°	27.3	26.5	49.8	71.4	70.6	46.6	42.5	49.8	57.0	52.2	32.1
85°	1.6	2.4	25.7	34.5	29.7	20.1	26.5	20.9	21.7	20.9	16.1
87.5°	0.8	0.8	2.4	3.2	4.0	4.0	4.8	4.8	6.4	7.2	6.4
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	8.8	24.1	25.7	24.9
10°	2.4	2.4	2.4	2.4	1.6	20.9	28.9	27.3	26.5	25.7	25.7
12.5°	146.1	123.6	22.5	4.8	20.9	26.5	23.3	23.3	22.5	22.5	22.5
15°	319.4	268.1	126.0	42.5	32.9	22.5	20.9	20.9	34.5	37.7	36.9
17.5°	334.7	270.5	123.6	57.8	47.4	28.9	28.9	36.9	36.1	34.5	34.5
20°	636.5	417.3	142.9	57.0	43.3	45.7	34.5	32.1	30.5	28.9	28.9
22.5°	680.6	490.4	153.3	72.2	46.6	45.7	35.3	29.7	37.7	36.9	36.9
25°	878.8	592.3	138.8	67.4	60.2	41.7	37.7	32.9	32.1	30.5	30.5
27.5°	1089.1	700.7	153.3	69.8	54.6	40.9	35.3	28.9	30.5	33.7	33.7
30°	1194.3	701.5	121.2	71.4	52.2	41.7	31.3	32.1	30.5	29.7	28.9
32.5°	1602.8	900.5	116.4	68.2	49.0	36.1	32.1	28.1	25.7	28.1	28.1
35°	1675.0	869.2	101.1	69.0	44.1	32.9	27.3	25.7	25.7	24.9	24.9
37.5°	1754.5	835.5	89.1	61.0	42.5	29.7	23.3	23.3	22.5	24.1	24.1
40°	1841.9	800.2	79.5	53.0	36.1	24.9	20.9	20.1	20.9	20.9	20.1
42.5°	1943.9	765.7	71.4	46.6	30.5	20.9	16.9	16.9	16.9	16.1	16.1
45°	2053.0	738.4	65.8	40.1	25.7	17.7	13.6	12.8	12.0	12.0	12.0
47.5°	2182.2	727.1	61.0	33.7	21.7	13.6	10.4	9.6	8.8	8.0	8.0
50°	2290.6	722.3	53.8	28.1	18.5	11.2	7.2	6.4	5.6	4.8	4.8
52.5°	2386.1	701.5	46.6	22.5	14.4	8.0	4.8	3.2	2.4	2.4	2.4
55°	2480.8	682.2	40.1	19.3	10.4	4.8	2.4	0.8	0.8	1.6	1.6
57.5°	2598.0	660.5	34.5	16.1	8.0	3.2	1.6	0.0	0.8	0.8	1.6
60°	2781.8	638.1	30.5	13.6	5.6	2.4	0.8	0.0	0.0	0.8	0.8
62.5°	2946.3	598.7	26.5	12.0	4.8	2.4	0.8	0.0	0.0	0.0	0.8
65°	3017.7	517.7	23.3	10.4	4.8	2.4	0.8	0.0	0.0	0.0	0.0
67°	2898.2	419.0	20.9	9.6	4.0	1.6	0.8	0.0	0.0	0.0	0.0
67.5°	2842.0	390.9	20.9	8.8	4.0	1.6	0.8	0.8	0.0	0.0	0.0
70°	2412.6	259.2	18.5	8.0	4.0	1.6	1.6	0.8	0.0	0.0	0.0
72.5°	1851.6	150.9	16.1	7.2	4.0	1.6	1.6	0.8	0.8	0.0	0.0
75°	1035.3	76.2	12.8	7.2	4.0	2.4	2.4	1.6	1.6	1.6	0.0
77.5°	331.5	41.7	9.6	6.4	4.0	2.4	2.4	1.6	2.4	2.4	0.8
80°	52.2	21.7	7.2	4.8	4.0	1.6	2.4	2.4	3.2	3.2	0.8
82.5°	19.3	12.0	5.6	4.8	4.0	1.6	2.4	2.4	3.2	4.0	0.0
85°	8.8	7.2	5.6	4.8	4.0	1.6	2.4	2.4	3.2	4.0	0.0
87.5°	4.0	5.6	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)