

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: P1210987

Luminaire Tested: **ARCH4-130-750-U-T3RE**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1210987
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2510-578-2)
Test Lab: INNOVATION CENTER
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: ARCH4-130-750-U-T3RE
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 5000K, 1080mA LIGHTSQUARES WITH 40 LEDS EACH AND TYPE III
ROADWAY ILLUMINANCE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22373 lumens
Efficiency: N/A
Efficacy: 169.5 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 0.58' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

Input Watts (W): 132
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: 24 FT

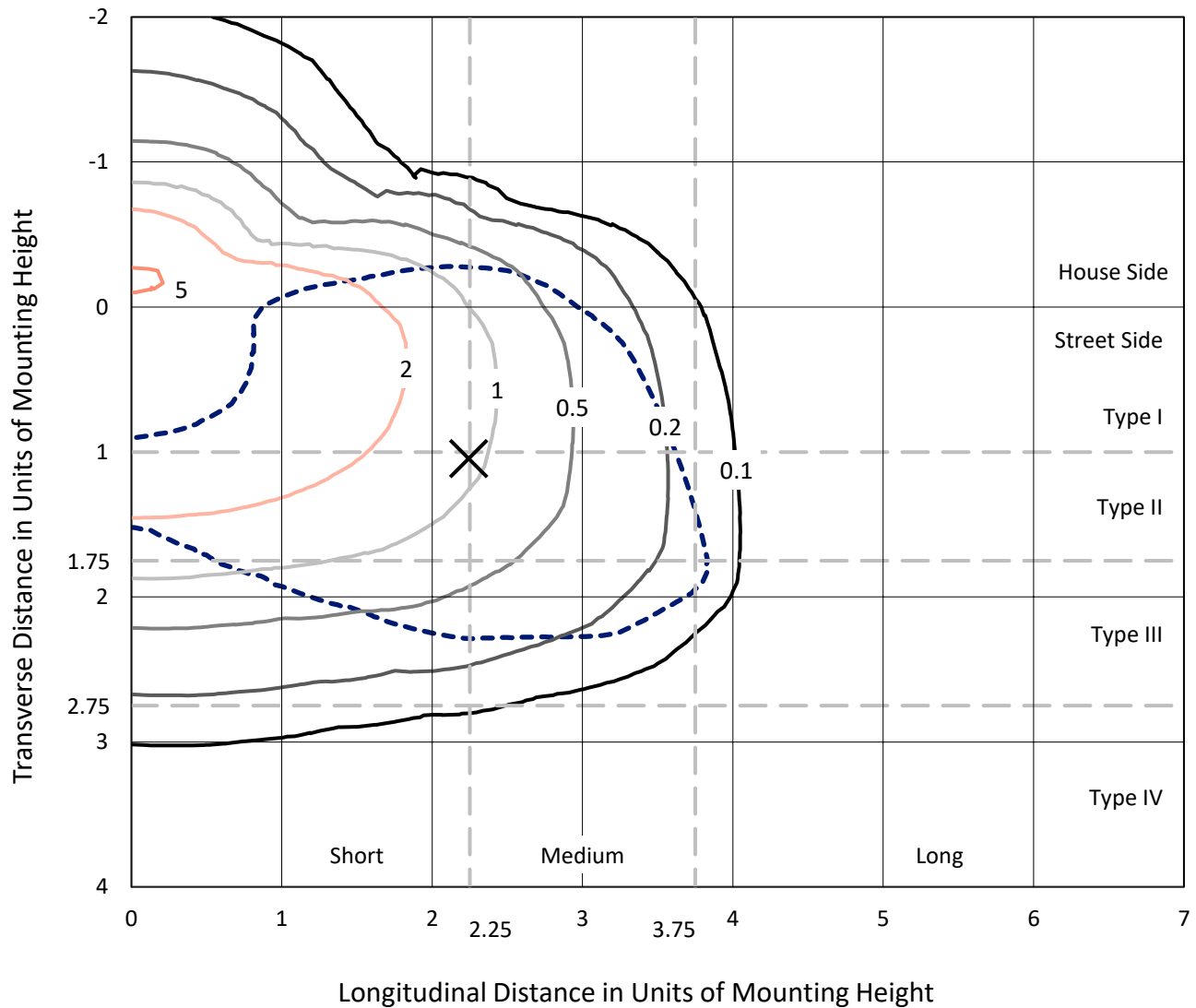


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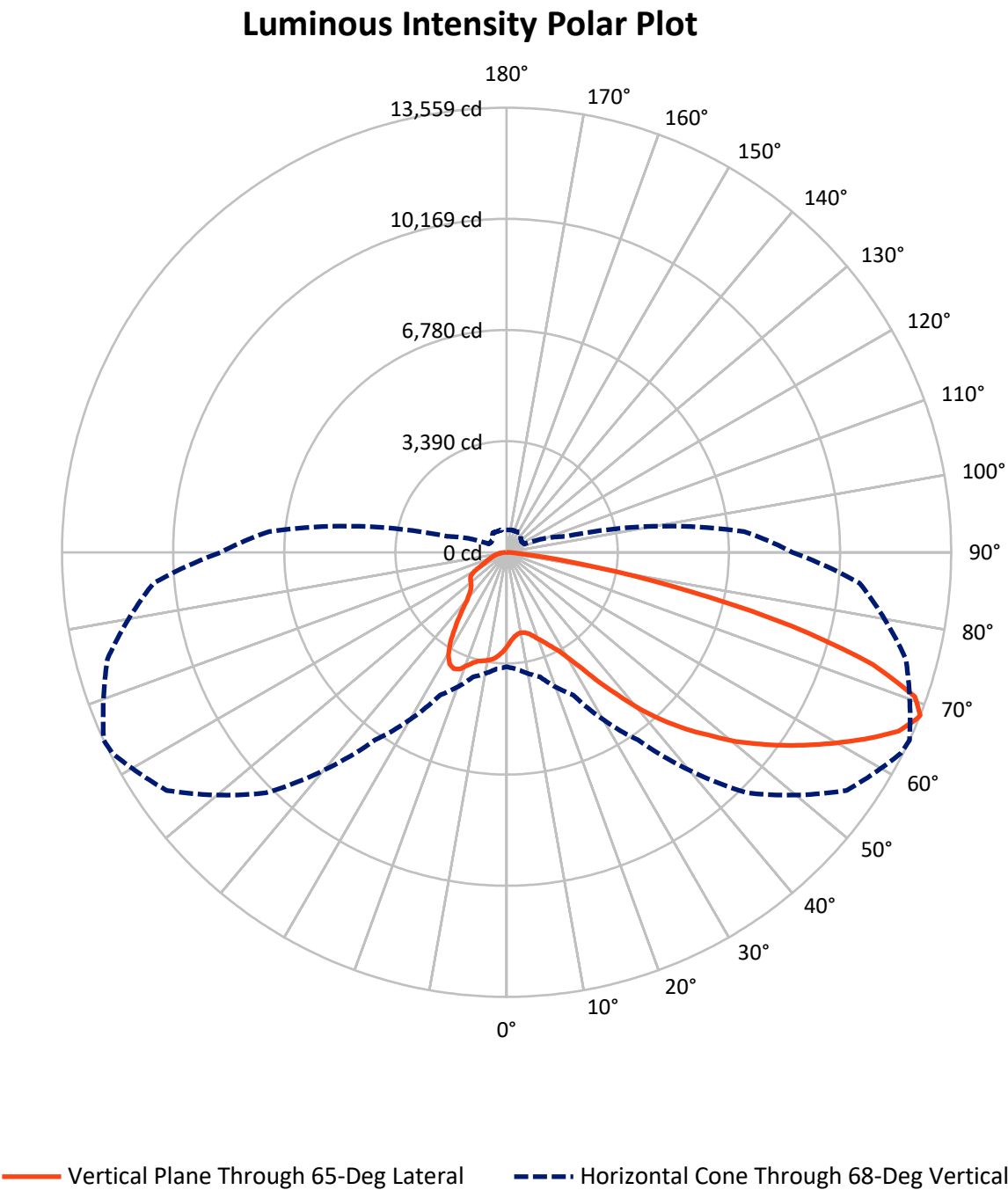
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.2 fc
 Type III - Short - N/A

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5485.2	0.0	5485.2
	% Fixture	24.5	0.0	24.5
Street Side	Lumens	16887.8	0.0	16887.8
	% Fixture	75.5	0.0	75.5
Total	Lumens	22373.0	0.0	22373.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	273.2	1.2
10°-20°	889.6	4.0
20°-30°	1610.2	7.2
30°-40°	2533.0	11.3
40°-50°	3772.6	16.9
50°-60°	4948.9	22.1
60°-70°	5412.0	24.2
70°-80°	2678.0	12.0
80°-90°	255.4	1.1
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°	22373.0	100.0
0°-180°	22373.0	100.0

Coefficient of Utilization



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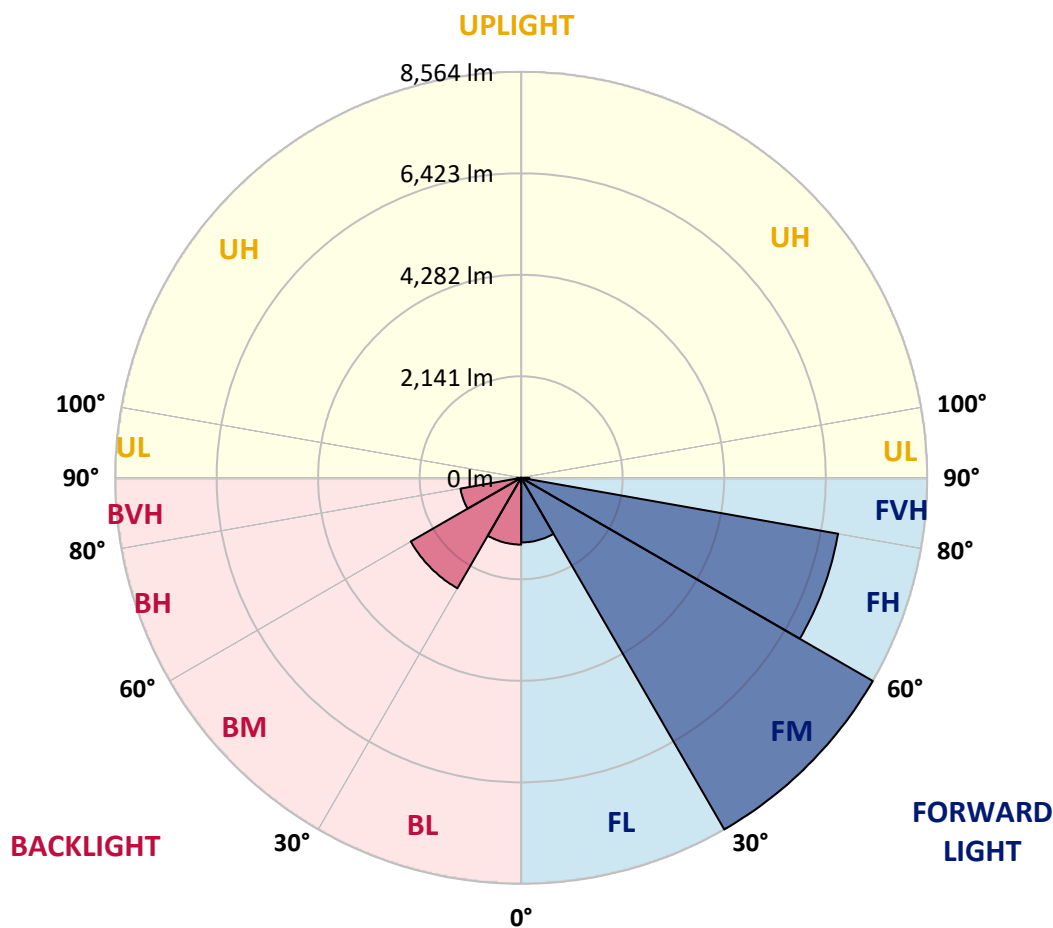
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1363.9	6.1			
FM	(30°-60°)	8564.1	38.3			
FH	(60°-80°)	6788.0	30.3			G3/7500
FVH	(80°-90°)	171.8	0.8			G2/225
BL	(0°-30°)	1409.2	6.3	B3/2500		
BM	(30°-60°)	2690.4	12.0	B3/5000		
BH	(60°-80°)	1301.9	5.8	B3/2500		G3/2500
BVH	(80°-90°)	83.6	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°	85°
0°	2859.0	2859.0	2859.0	2859.0	2859.0	2859.0	2859.0	2859.0	2859.0	2859.0	2859.0
2.5°	2495.5	2489.7	2504.1	2518.6	2550.3	2587.8	2639.7	2683.0	2688.8	2769.6	2833.0
5°	2348.4	2339.7	2354.1	2371.4	2385.9	2432.0	2486.8	2550.3	2576.3	2694.6	2830.1
7.5°	2362.8	2359.9	2365.7	2359.9	2359.9	2380.1	2417.6	2481.1	2509.9	2651.3	2844.6
10°	2446.4	2452.2	2455.1	2437.8	2420.5	2411.8	2423.4	2466.6	2486.8	2654.2	2908.0
12.5°	2584.9	2593.6	2596.5	2564.7	2541.7	2504.1	2484.0	2501.3	2515.7	2683.0	2997.5
15°	2772.4	2778.2	2758.0	2737.8	2680.1	2634.0	2584.9	2570.5	2576.3	2743.6	3098.4
17.5°	2991.7	2983.1	2983.1	2934.0	2859.0	2786.9	2706.1	2694.6	2694.6	2841.7	3242.7
20°	3231.2	3239.8	3213.8	3147.5	3072.5	2960.0	2879.2	2827.3	2833.0	2954.2	3418.7
22.5°	3577.4	3591.8	3522.5	3427.3	3311.9	3182.1	3066.7	2983.1	2985.9	3101.3	3600.4
25°	3949.5	3955.3	3912.0	3785.1	3629.3	3444.6	3291.7	3185.0	3182.1	3265.8	3834.1
27.5°	4330.3	4356.3	4269.7	4148.6	4004.3	3773.5	3571.6	3427.3	3404.3	3516.8	4125.5
30°	4722.7	4754.4	4670.8	4552.5	4373.6	4177.4	3938.0	3770.6	3756.2	3906.2	4515.0
32.5°	5117.9	5126.6	5060.2	4962.1	4800.6	4615.9	4422.6	4238.0	4223.6	4468.8	5019.8
35°	5441.0	5467.0	5420.8	5397.8	5279.5	5109.3	4921.7	4815.0	4852.5	5167.0	5674.7
37.5°	5830.5	5856.5	5804.5	5798.8	5761.3	5614.1	5484.3	5493.0	5530.5	5957.4	6364.2
40°	6393.1	6421.9	6289.2	6231.5	6231.5	6087.3	6044.0	6248.8	6297.9	6736.4	7082.6
42.5°	6869.1	6915.3	6837.4	6799.9	6687.3	6586.4	6638.3	6926.8	7010.5	7480.7	7708.6
45°	7099.9	7134.5	7226.8	7336.5	7226.8	7050.8	7247.0	7573.0	7691.3	8167.3	8334.7
47.5°	7223.9	7255.7	7362.4	7656.7	7731.7	7584.6	7861.5	8268.3	8349.1	8848.2	8931.8
50°	7241.3	7342.2	7480.7	7775.0	8118.3	8138.5	8478.9	8975.1	9070.3	9517.5	9456.9
52.5°	7099.9	7140.3	7425.9	7922.1	8302.9	8649.1	9151.1	9653.1	9722.3	10146.4	9921.4
55°	6869.1	6926.8	7212.4	7887.5	8481.8	9133.8	9834.8	10319.5	10397.4	10758.0	10351.2
57.5°	6661.4	6690.2	6996.0	7786.5	8660.7	9618.5	10443.6	11014.8	11066.7	11294.6	10668.6
60°	6430.6	6462.3	6768.1	7570.1	8793.4	9984.9	11078.3	11715.8	11762.0	11860.1	11037.9
62.5°	5833.4	5917.1	6300.8	7212.4	8758.7	10403.2	11756.2	12408.2	12465.9	12359.2	11329.2
65°	4737.1	4855.4	5325.6	6401.7	8435.6	10674.4	12310.1	13045.8	13143.9	12734.2	11407.1
67.5°	3678.3	3762.0	4139.9	5080.4	7301.8	10538.8	12667.9	13484.3	13513.2	12673.6	10974.4
68°	3487.9	3571.6	3932.2	4803.5	6987.4	10377.2	12659.2	13495.9	13559.3	12607.3	10807.1
70°	2668.6	2763.8	3107.1	3805.3	5631.4	9350.2	12131.3	13218.9	13210.2	11805.3	9768.5
72.5°	1667.5	1722.3	1958.9	2400.3	3724.5	7114.3	10296.4	11658.1	11681.2	9624.2	7492.2
75°	1058.8	1058.8	1047.2	1162.6	1909.8	4053.4	7653.8	8975.1	8992.4	6739.3	4722.7
77.5°	920.3	894.3	770.3	652.0	761.6	1575.2	4529.4	5795.9	5700.7	3629.3	2241.6
80°	776.1	732.8	631.8	525.1	490.4	493.3	1739.6	2942.7	2815.7	1306.9	744.3
82.5°	559.7	522.2	476.0	412.5	377.9	294.3	363.5	851.1	830.9	377.9	242.3
85°	302.9	274.1	268.3	271.2	227.9	181.8	152.9	187.5	187.5	164.4	138.5
87.5°	106.7	77.9	92.3	103.9	89.4	75.0	60.6	72.1	75.0	72.1	66.4
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°	2859.0	2859.0	2859.0	2859.0	2859.0	2859.0	2859.0	2859.0	2859.0	2859.0	2859.0
2.5°	2870.5	2899.4	2968.6	3029.2	3072.5	3110.0	3130.2	3138.8	3159.0	3161.9	3156.1
5°	2893.6	2968.6	3072.5	3161.9	3211.0	3231.2	3236.9	3239.8	3231.2	3236.9	3231.2
7.5°	2954.2	3049.4	3196.5	3274.4	3283.1	3251.4	3254.2	3242.7	3254.2	3265.8	3265.8
10°	3046.5	3167.7	3306.2	3335.0	3297.5	3280.2	3314.8	3384.1	3407.1	3438.9	3438.9
12.5°	3167.7	3311.9	3410.0	3384.1	3349.4	3407.1	3508.1	3577.4	3600.4	3612.0	3603.3
15°	3306.2	3462.0	3511.0	3424.4	3487.9	3612.0	3646.6	3606.2	3548.5	3522.5	3537.0
17.5°	3482.1	3612.0	3583.1	3525.4	3669.7	3687.0	3574.5	3444.6	3352.3	3317.7	3340.8
20°	3666.8	3779.3	3646.6	3672.6	3762.0	3577.4	3363.9	3196.5	3115.8	3101.3	3124.4
22.5°	3863.0	3935.1	3710.1	3842.8	3710.1	3335.0	3078.3	2991.7	2971.5	2994.6	3014.8
25°	4085.1	4076.5	3819.7	3894.7	3516.8	3037.9	2885.0	2879.2	2879.2	2893.6	2922.5
27.5°	4336.1	4200.5	3929.3	3825.5	3182.1	2792.6	2763.8	2766.7	2758.0	2760.9	2775.3
30°	4627.5	4367.8	4050.5	3597.5	2807.1	2608.0	2596.5	2587.8	2567.6	2561.8	2567.6
32.5°	4993.9	4543.8	4174.5	3222.5	2478.2	2417.6	2411.8	2365.7	2316.6	2310.9	2331.0
35°	5458.3	4864.0	4238.0	2752.3	2207.0	2204.1	2183.9	2111.8	2048.3	2048.3	2033.9
37.5°	5989.2	5276.6	4264.0	2293.5	1982.0	1996.4	1938.7	1846.4	1797.3	1768.5	1777.1
40°	6531.6	5746.8	4261.1	1892.5	1785.8	1788.7	1745.4	1632.9	1511.7	1439.6	1456.9
42.5°	7053.7	6173.8	4186.1	1679.0	1627.1	1618.5	1583.8	1430.9	1330.0	1272.3	1275.2
45°	7472.1	6615.2	4070.7	1552.1	1482.9	1497.3	1419.4	1327.1	1234.8	1182.8	1179.9
47.5°	7890.4	6949.9	3886.0	1474.2	1376.1	1350.2	1318.4	1255.0	1185.7	1128.0	1130.9
50°	8271.2	7235.5	3712.9	1422.3	1278.0	1211.7	1217.5	1179.9	1119.4	1067.4	1064.6
52.5°	8539.5	7423.0	3617.7	1393.4	1159.8	1087.6	1107.8	1087.6	1029.9	992.4	989.5
55°	8807.8	7567.3	3649.5	1355.9	1029.9	972.2	1006.9	1001.1	969.3	957.8	960.7
57.5°	9024.2	7676.9	3762.0	1286.7	905.9	871.3	929.0	911.6	888.6	891.5	891.5
60°	9234.8	7818.2	3894.7	1128.0	799.1	802.0	856.8	825.1	810.7	836.6	839.5
62.5°	9454.0	7971.2	3785.1	897.2	706.8	727.0	790.5	764.5	770.3	807.8	819.3
65°	9428.1	7956.7	3084.0	735.7	626.0	666.4	761.6	753.0	755.9	770.3	776.1
67.5°	8897.2	7449.0	2120.4	626.0	568.3	617.4	738.6	703.9	706.8	698.2	701.0
68°	8718.4	7270.1	1869.5	608.7	556.8	605.8	727.0	695.3	698.2	689.5	686.6
70°	7743.2	6225.7	1182.8	536.6	516.4	574.1	669.3	657.8	654.9	649.1	649.1
72.5°	5902.6	4595.7	623.2	464.5	470.2	525.1	597.2	620.3	605.8	608.7	626.0
75°	3909.1	2763.8	432.7	398.1	412.5	450.1	530.8	577.0	562.6	571.2	562.6
77.5°	2068.5	1488.6	346.2	337.5	337.5	363.5	438.5	510.6	510.6	504.9	496.2
80°	678.0	525.1	277.0	265.4	271.2	285.6	352.0	418.3	427.0	415.4	409.7
82.5°	227.9	242.3	207.7	193.3	199.1	210.6	265.4	320.2	323.1	300.0	294.3
85°	141.4	161.6	129.8	126.9	126.9	129.8	161.6	176.0	161.6	144.2	150.0
87.5°	66.4	80.8	60.6	51.9	43.3	37.5	28.8	11.5	11.5	5.8	5.8
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)