

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: P1210517

Luminaire Tested: **ARCH3-150-722-U-T2RE**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1210517
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2510-578-1)
Test Lab: INNOVATION CENTER
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: ARCH3-150-722-U-T2RE
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 2200K, 1170mA LIGHTSQUARE WITH 40 LEDS AND TYPE II ROADWAY
ILLUMINANCE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18105 lumens
Efficiency: N/A
Efficacy: 120.1 lumens/watt
Luminous Opening: Rectangular (W 0.58' x L: 0.58' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

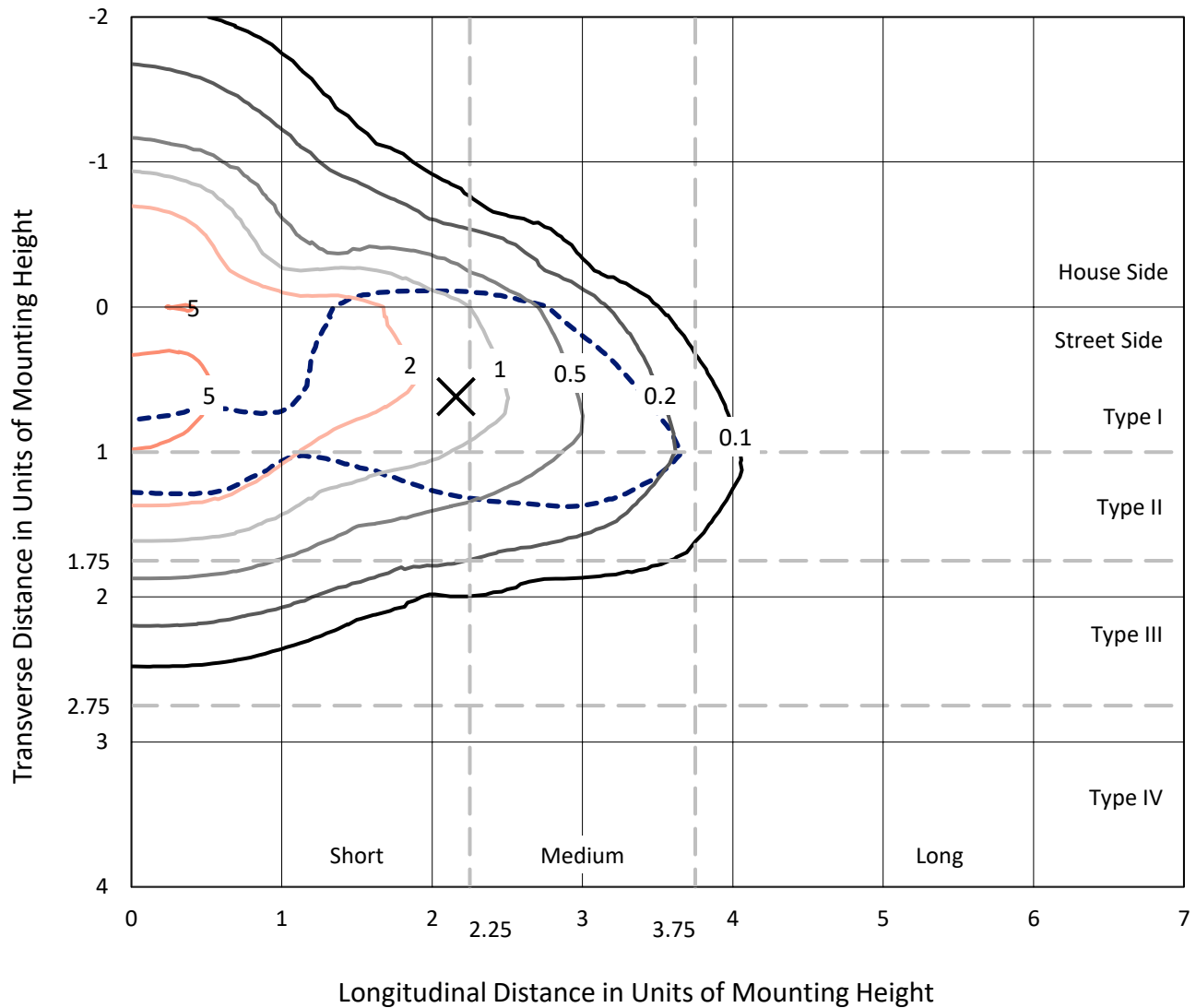
Input Watts (W): 150.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P1210517
 CATALOG NUMBER: ARCH3-150-722-U-T2RE

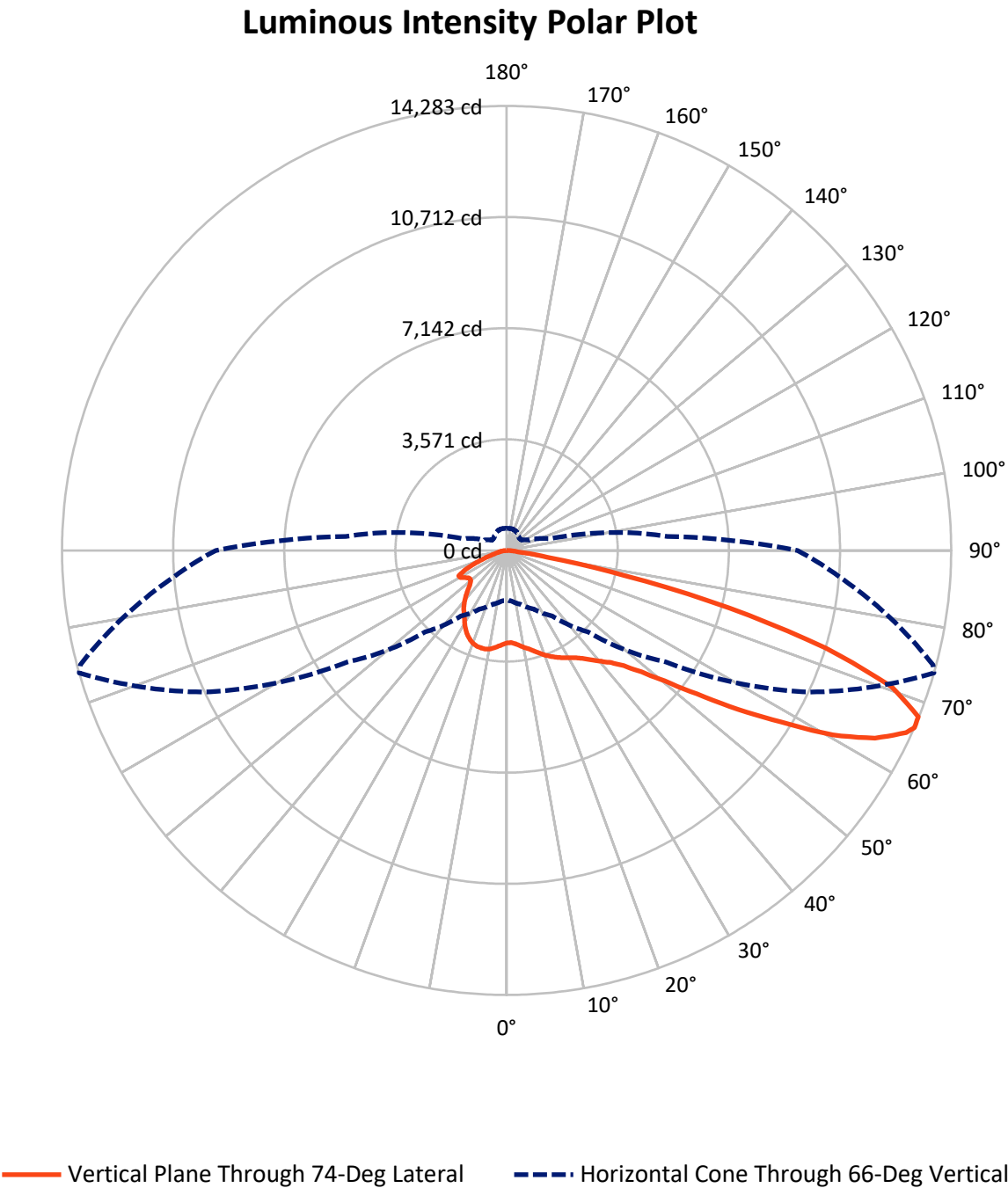
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.7 fc
 Type II - Short - N/A

REPORT NUMBER: P1210517
CATALOG NUMBER: ARCH3-150-722-U-T2RE



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4409.1	0.0	4409.1
	% Fixture	24.4	0.0	24.4
Street Side	Lumens	13695.9	0.0	13695.9
	% Fixture	75.6	0.0	75.6
Total	Lumens	18105.0	0.0	18105.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	283.1	1.6
10°-20°	870.7	4.8
20°-30°	1633.8	9.0
30°-40°	2513.2	13.9
40°-50°	3380.4	18.7
50°-60°	3997.8	22.1
60°-70°	3698.1	20.4
70°-80°	1555.8	8.6
80°-90°	172.2	1.0
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°	18105.0	100.0
0°-180°	18105.0	100.0

Coefficient of Utilization



REPORT NUMBER: P1210517

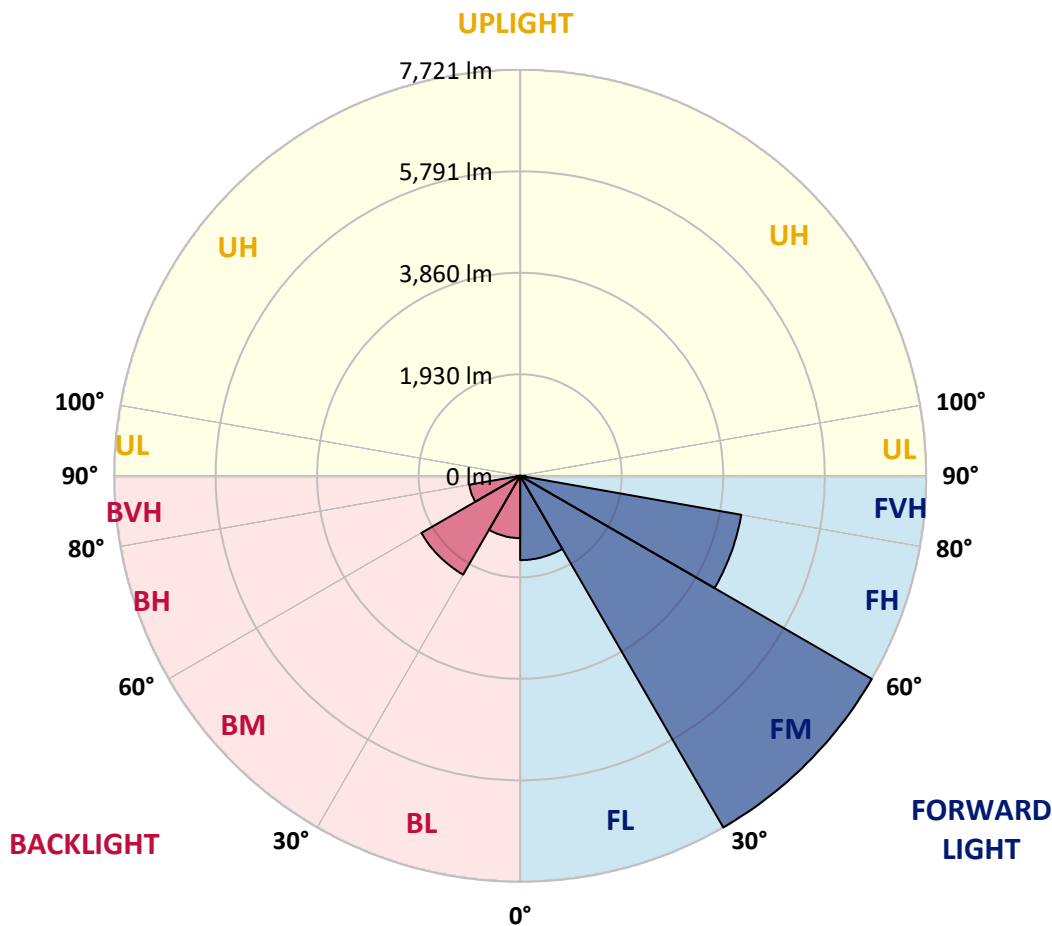
CATALOG NUMBER: ARCH3-150-722-U-T2RE

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1602.5	8.9			
FM	(30°-60°)	7720.8	42.6			
FH	(60°-80°)	4269.7	23.6			G2/5000
FVH	(80°-90°)	103.0	0.6			G2/225
BL	(0°-30°)	1185.1	6.5	B3/2500		
BM	(30°-60°)	2170.6	12.0	B2/2500		
BH	(60°-80°)	984.3	5.4	B2/1000		G2/1000
BVH	(80°-90°)	69.2	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-G2

Type II Short



REPORT NUMBER: P1210517

CATALOG NUMBER: ARCH3-150-722-U-T2RE

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	2968.0	2968.0	2968.0	2968.0	2968.0	2968.0	2968.0	2968.0	2968.0	2968.0	2968.0
2.5°	2958.7	2954.0	2963.4	2977.3	2984.3	2972.7	2968.0	2965.7	2965.7	2958.7	2970.3
5°	2818.9	2816.6	2837.5	2863.2	2912.1	2947.0	2993.6	3021.6	3012.3	2998.3	3007.6
7.5°	2637.2	2632.5	2658.2	2707.1	2774.6	2851.5	2965.7	3054.2	3089.2	3084.5	3082.2
10°	2707.1	2702.4	2700.1	2686.1	2709.4	2784.0	2902.8	3058.9	3177.7	3180.0	3182.3
12.5°	2949.4	2961.0	2949.4	2905.1	2853.9	2825.9	2895.8	3070.5	3252.2	3266.2	3324.5
15°	3280.2	3268.5	3245.2	3194.0	3114.8	3030.9	2979.7	3124.1	3359.4	3371.0	3499.2
17.5°	3571.4	3580.7	3566.7	3517.8	3424.6	3315.1	3159.0	3217.3	3473.6	3506.2	3685.6
20°	3888.2	3925.5	3906.9	3846.3	3769.4	3606.3	3410.7	3352.4	3599.4	3622.7	3878.9
22.5°	4254.0	4293.6	4258.7	4200.4	4137.5	3937.2	3685.6	3517.8	3704.2	3753.1	4065.3
25°	4692.0	4729.2	4696.6	4605.8	4526.6	4282.0	3981.4	3704.2	3806.7	3860.3	4216.7
27.5°	5039.1	5067.1	5097.3	5043.8	4922.6	4668.7	4288.9	3897.6	3909.2	3965.1	4356.5
30°	5348.9	5418.8	5444.5	5451.4	5348.9	5064.7	4603.4	4097.9	3997.7	4056.0	4496.3
32.5°	5772.9	5877.8	5835.8	5877.8	5817.2	5437.5	4929.6	4305.2	4111.9	4165.5	4629.1
35°	6392.6	6476.5	6367.0	6334.4	6236.6	5814.9	5244.1	4519.6	4263.3	4321.6	4754.9
37.5°	7058.9	7154.4	6996.0	6865.6	6679.2	6187.6	5514.4	4801.5	4473.0	4519.6	4871.4
40°	7641.3	7720.6	7583.1	7410.7	7098.5	6516.1	5747.3	4999.5	4682.7	4740.9	5006.5
42.5°	8179.5	8230.8	8077.0	7911.6	7494.6	6812.0	5998.9	5209.2	4927.3	4983.2	5116.0
45°	8724.6	8764.3	8549.9	8314.6	7825.4	7082.2	6276.2	5502.7	5286.0	5360.6	5293.0
47.5°	8822.5	8834.1	8796.9	8638.5	8086.3	7340.8	6618.6	5896.4	5833.5	5915.1	5598.2
50°	8144.6	8249.4	8480.0	8636.1	8191.2	7557.5	6961.1	6460.2	6588.3	6693.2	6231.9
52.5°	6828.3	6928.5	7462.0	8053.7	7939.5	7606.4	7329.2	7175.4	7653.0	7778.8	7093.9
55°	5439.8	5528.3	6092.1	6944.8	7126.5	7382.8	7722.9	8088.6	9011.2	9095.1	8039.7
57.5°	4480.0	4528.9	4931.9	5752.0	6043.2	6667.5	7934.9	9174.3	10392.7	10520.8	8862.1
60°	3673.9	3727.5	4028.0	4703.6	5090.3	5644.8	7767.2	10245.9	12042.1	12042.1	9917.4
62.5°	2765.3	2811.9	3091.5	3620.3	4270.3	4778.2	7231.3	10956.5	13286.2	13230.2	10681.6
65°	1898.7	1936.0	2138.6	2490.4	3075.2	4072.3	6499.8	10965.8	14110.9	14036.3	11007.7
66°	1593.5	1626.1	1798.5	2082.7	2574.3	3694.9	6241.2	10767.8	14283.3	14178.4	10870.3
67.5°	1258.0	1281.3	1395.5	1563.2	1887.0	2991.3	5833.5	10206.3	14267.0	14204.1	10520.8
70°	899.3	915.6	999.4	1034.4	1115.9	1731.0	4633.7	8939.0	13123.1	13141.7	9146.3
72.5°	696.6	722.2	773.5	780.4	761.8	920.2	2811.9	7457.3	10735.2	10728.2	6788.7
75°	561.5	575.4	601.1	615.0	610.4	594.1	1190.5	5563.3	7389.7	7475.9	3802.0
77.5°	442.6	440.3	463.6	482.2	496.2	465.9	545.1	3261.6	3874.3	3764.8	1428.1
80°	326.2	326.2	358.8	365.8	386.7	391.4	363.4	1258.0	1330.2	1209.1	370.4
82.5°	214.3	214.3	249.3	253.9	274.9	305.2	263.3	377.4	368.1	349.5	167.7
85°	116.5	111.8	123.5	139.8	151.4	179.4	158.4	188.7	193.4	191.0	111.8
87.5°	23.3	21.0	32.6	37.3	41.9	55.9	51.3	76.9	107.2	104.8	48.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P1210517

CATALOG NUMBER: ARCH3-150-722-U-T2RE

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2968.0	2968.0	2968.0	2968.0	2968.0	2968.0	2968.0	2968.0	2968.0	2968.0	2968.0
2.5°	2986.6	2984.3	3009.9	3040.2	3075.2	3096.1	3105.5	3121.8	3110.1	3114.8	3128.8
5°	3030.9	3037.9	3075.2	3114.8	3131.1	3119.4	3093.8	3084.5	3063.5	3058.9	3054.2
7.5°	3096.1	3107.8	3145.1	3154.4	3105.5	3023.9	2965.7	2933.1	2898.1	2888.8	2884.1
10°	3203.3	3210.3	3219.6	3124.1	3003.0	2893.5	2821.2	2791.0	2767.7	2749.0	2753.7
12.5°	3338.4	3333.8	3261.6	3063.5	2891.1	2779.3	2730.4	2711.7	2695.4	2683.8	2681.5
15°	3508.5	3475.9	3268.5	2979.7	2786.3	2693.1	2658.2	2651.2	2632.5	2632.5	2630.2
17.5°	3680.9	3597.0	3263.9	2891.1	2686.1	2634.9	2613.9	2609.2	2604.6	2602.3	2609.2
20°	3853.3	3704.2	3226.6	2781.6	2616.2	2585.9	2581.3	2583.6	2579.0	2585.9	2581.3
22.5°	4004.7	3774.1	3156.7	2665.2	2567.3	2565.0	2553.3	2558.0	2574.3	2576.6	2583.6
25°	4121.2	3799.7	3054.2	2558.0	2532.4	2527.7	2541.7	2560.3	2574.3	2576.6	2588.3
27.5°	4216.7	3785.7	2926.1	2474.1	2471.8	2497.4	2539.4	2546.3	2548.7	2548.7	2539.4
30°	4288.9	3755.4	2763.0	2380.9	2392.6	2455.5	2495.1	2495.1	2476.4	2471.8	2485.8
32.5°	4305.2	3715.8	2585.9	2285.4	2304.1	2378.6	2427.5	2411.2	2390.3	2390.3	2399.6
35°	4319.2	3662.3	2443.8	2155.0	2182.9	2271.4	2318.0	2285.4	2262.1	2255.1	2252.8
37.5°	4314.6	3641.3	2315.7	1989.5	2026.8	2113.0	2143.3	2113.0	2078.1	2061.8	2082.7
40°	4319.2	3627.3	2155.0	1807.8	1845.1	1896.4	1936.0	1912.7	1880.1	1838.1	1859.1
42.5°	4347.2	3645.9	1977.9	1630.8	1630.8	1658.7	1726.3	1710.0	1630.8	1614.5	1633.1
45°	4496.3	3746.1	1800.8	1453.7	1428.1	1446.7	1516.6	1446.7	1397.8	1397.8	1414.1
47.5°	4857.4	3932.5	1644.8	1297.6	1237.1	1274.3	1293.0	1227.7	1190.5	1181.1	1197.5
50°	5593.6	4305.2	1551.6	1169.5	1094.9	1122.9	1111.3	1108.9	1071.7	1076.3	1085.6
52.5°	6711.8	5032.1	1523.6	1106.6	1013.4	1020.4	1008.8	1013.4	1006.4	1029.7	1036.7
55°	7930.2	5798.6	1558.6	1115.9	957.5	908.6	913.2	936.5	964.5	1001.8	1008.8
57.5°	8841.1	6183.0	1649.4	1178.8	887.6	813.1	824.7	869.0	922.6	952.8	969.1
60°	9519.1	6136.4	1782.2	1195.1	803.7	726.9	747.8	813.1	859.7	885.3	901.6
62.5°	9740.4	5845.2	1814.8	1076.3	694.2	645.3	696.6	764.1	785.1	813.1	824.7
65°	9558.7	5432.8	1577.2	873.6	610.4	584.7	659.3	710.6	738.5	752.5	754.8
66°	9344.3	5185.9	1449.1	794.4	580.1	566.1	645.3	687.3	715.2	712.9	715.2
67.5°	8873.7	4668.7	1241.7	682.6	535.8	538.2	622.0	650.0	659.3	652.3	652.3
70°	7273.3	3287.2	889.9	517.2	470.6	503.2	559.1	566.1	587.1	577.8	577.8
72.5°	4484.6	1614.5	596.4	396.0	419.3	470.6	468.3	491.6	540.5	554.5	563.8
75°	2203.9	654.6	393.7	335.5	375.1	393.7	389.1	447.3	517.2	577.8	598.7
77.5°	836.4	326.2	274.9	293.5	302.9	295.9	309.8	405.4	517.2	626.7	647.7
80°	258.6	226.0	216.7	242.3	228.3	216.7	233.0	335.5	438.0	475.3	475.3
82.5°	156.1	177.1	167.7	165.4	153.8	156.1	167.7	240.0	337.8	354.1	354.1
85°	109.5	116.5	95.5	90.9	88.5	86.2	86.2	139.8	200.4	198.0	205.0
87.5°	41.9	46.6	34.9	34.9	32.6	23.3	18.6	23.3	23.3	16.3	11.6
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)