

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: P1210975

Luminaire Tested: **ARCH4-130-730-U-T3RE**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1210975
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: ARCH4-130-730-U-T3RE
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 3000K, 1080mA LIGHTSQUARES WITH 40 LEDS EACH AND TYPE III
ROADWAY ILLUMINANCE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21308 lumens
Efficiency: N/A
Efficacy: 161.4 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

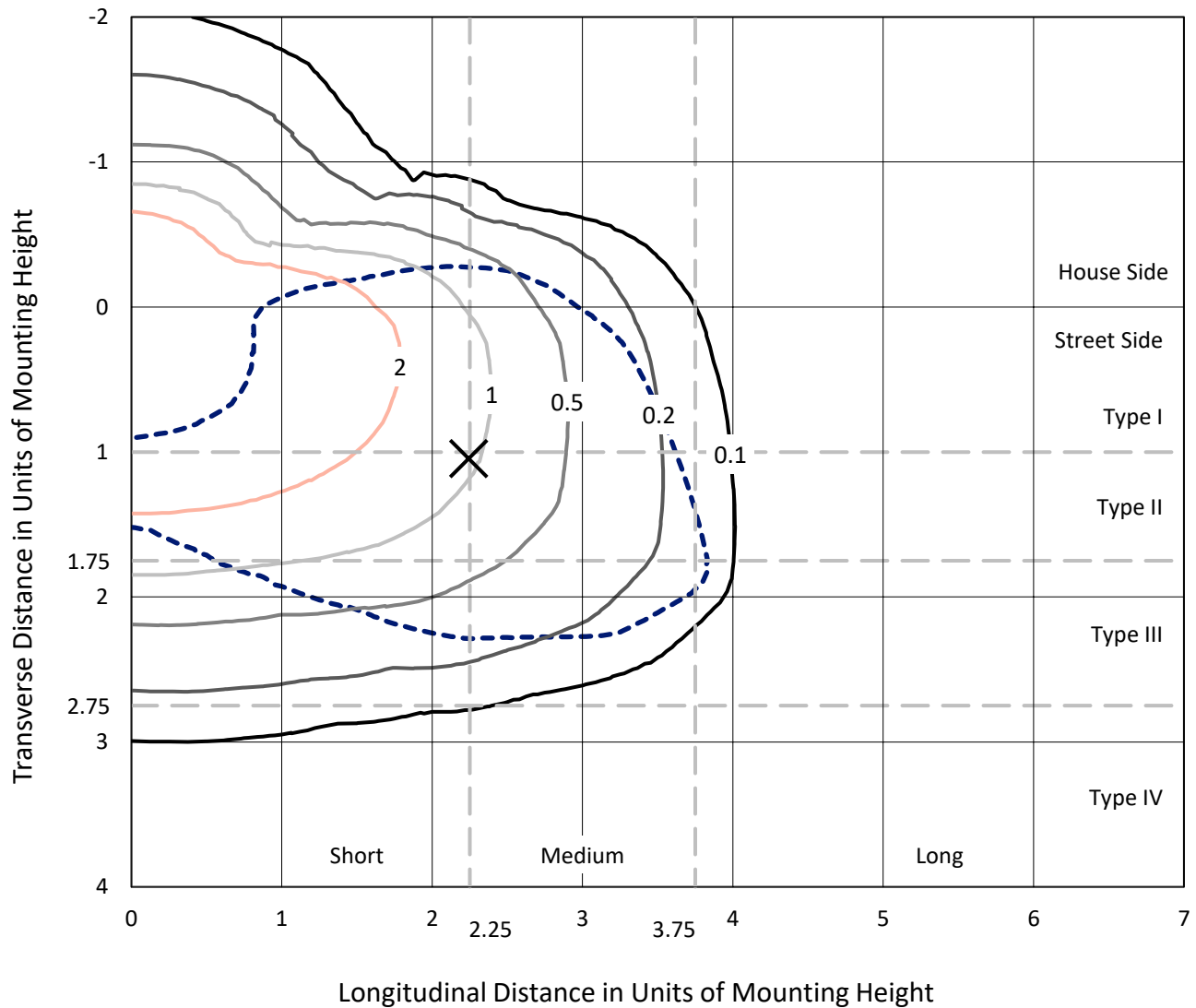


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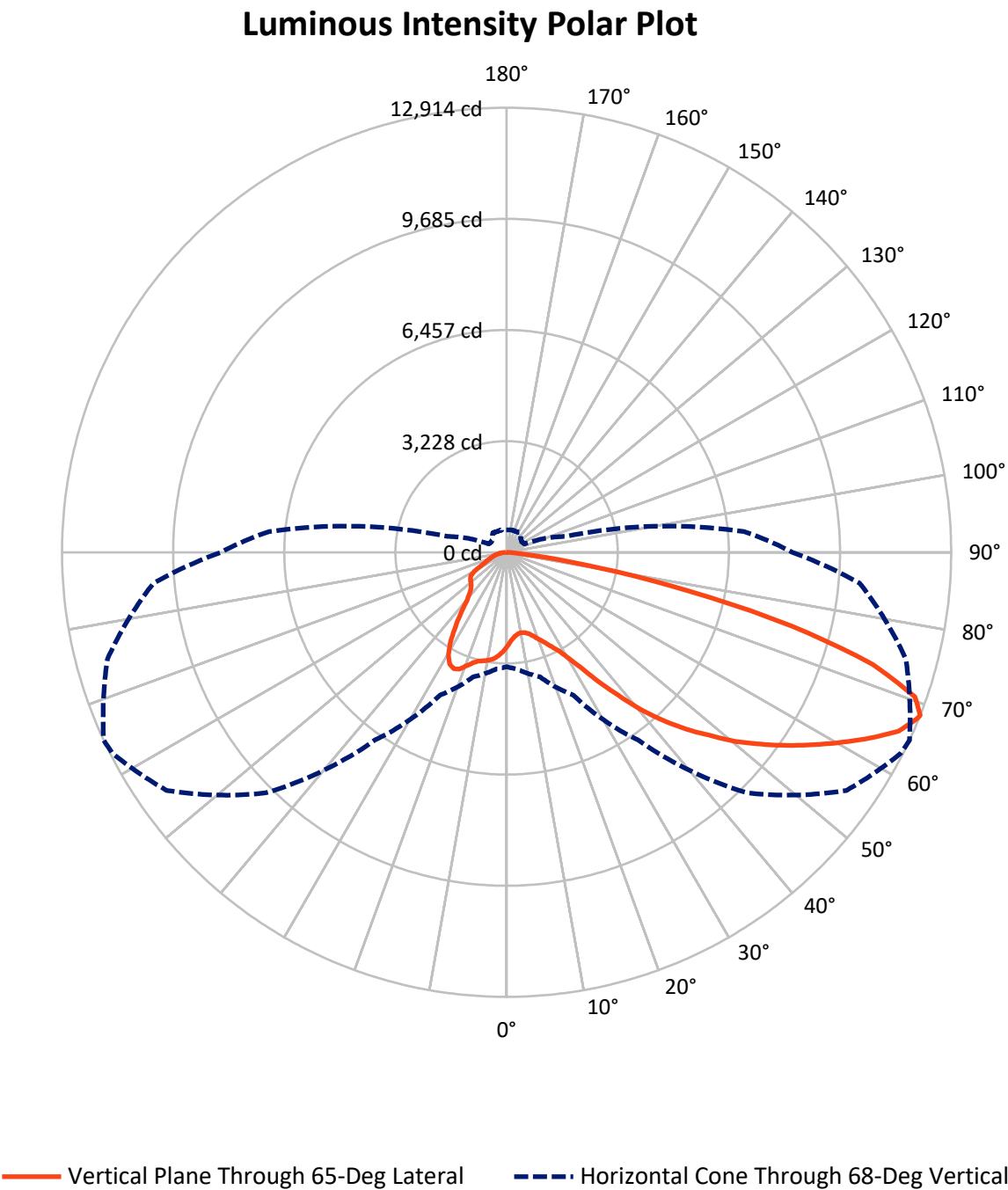
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5 fc
 Type III - Short - N/A

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5224.1	0.0	5224.1
	% Fixture	24.5	0.0	24.5
Street Side	Lumens	16083.9	0.0	16083.9
	% Fixture	75.5	0.0	75.5
Total	Lumens	21308.0	0.0	21308.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	260.2	1.2
10°-20°	847.3	4.0
20°-30°	1533.5	7.2
30°-40°	2412.4	11.3
40°-50°	3593.0	16.9
50°-60°	4713.3	22.1
60°-70°	5154.3	24.2
70°-80°	2550.5	12.0
80°-90°	243.3	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°	21308.0	100.0
0°-180°	21308.0	100.0

Coefficient of Utilization



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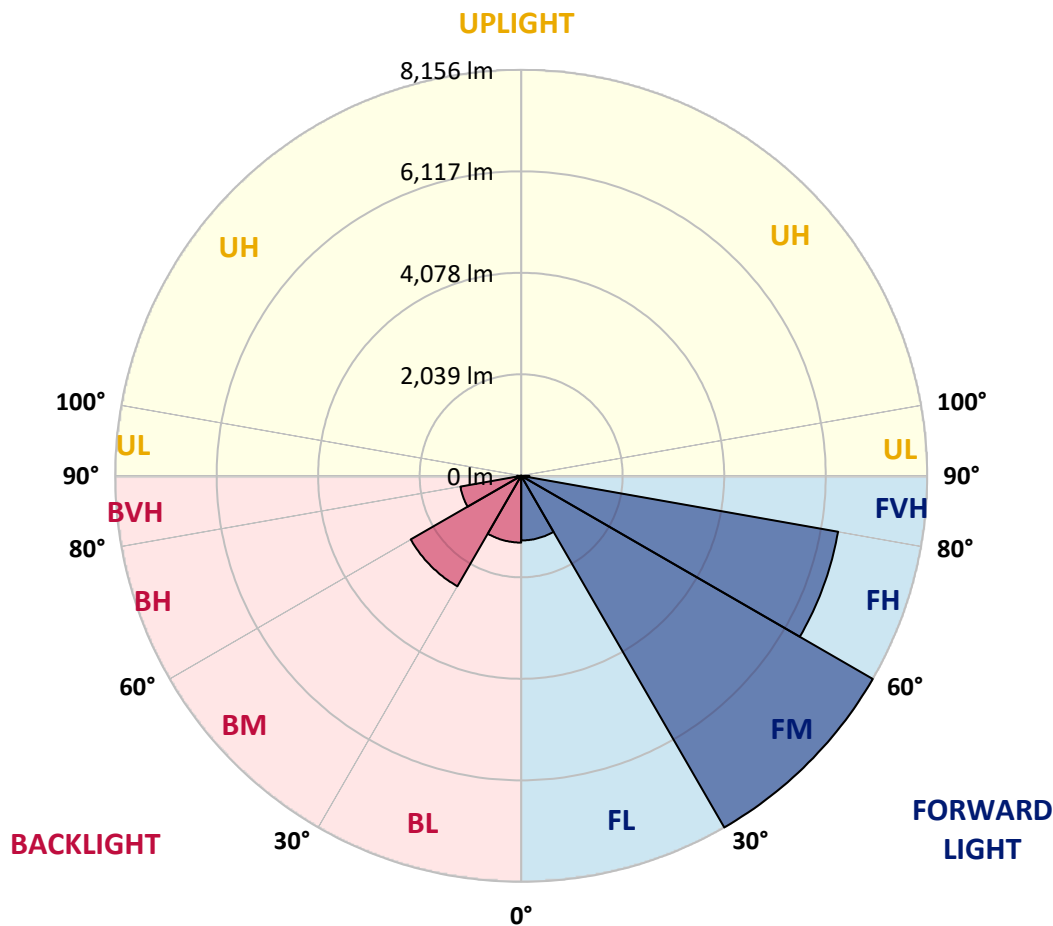
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1299.0	6.1			
FM	(30°-60°)	8156.4	38.3			
FH	(60°-80°)	6464.9	30.3			G3/7500
FVH	(80°-90°)	163.6	0.8			G2/225
BL	(0°-30°)	1342.1	6.3	B3/2500		
BM	(30°-60°)	2562.4	12.0	B3/5000		
BH	(60°-80°)	1239.9	5.8	B3/2500		G3/2500
BVH	(80°-90°)	79.7	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°	2722.9	2722.9	2722.9	2722.9	2722.9	2722.9	2722.9	2722.9	2722.9	2722.9	2722.9
2.5°	2376.7	2371.2	2384.9	2398.7	2428.9	2464.6	2514.1	2555.3	2560.8	2637.7	2698.2
5°	2236.6	2228.3	2242.1	2258.6	2272.3	2316.3	2368.5	2428.9	2453.6	2566.3	2695.4
7.5°	2250.3	2247.6	2253.1	2247.6	2247.6	2266.8	2302.5	2363.0	2390.4	2525.1	2709.2
10°	2330.0	2335.5	2338.2	2321.7	2305.3	2297.0	2308.0	2349.2	2368.5	2527.8	2769.6
12.5°	2461.9	2470.1	2472.9	2442.6	2420.7	2384.9	2365.7	2382.2	2395.9	2555.3	2854.8
15°	2640.5	2646.0	2626.7	2607.5	2552.6	2508.6	2461.9	2448.1	2453.6	2613.0	2951.0
17.5°	2849.3	2841.1	2841.1	2794.3	2722.9	2654.2	2577.3	2566.3	2566.3	2706.4	3088.3
20°	3077.3	3085.6	3060.9	2997.7	2926.2	2819.1	2742.1	2692.7	2698.2	2813.6	3255.9
22.5°	3407.1	3420.8	3354.9	3264.2	3154.3	3030.6	2920.7	2841.1	2843.8	2953.7	3429.0
25°	3761.5	3767.0	3725.8	3604.9	3456.5	3280.7	3135.0	3033.4	3030.6	3110.3	3651.6
27.5°	4124.2	4148.9	4066.5	3951.1	3813.7	3593.9	3401.6	3264.2	3242.2	3349.4	3929.1
30°	4497.9	4528.1	4448.4	4335.8	4165.4	3978.6	3750.5	3591.2	3577.4	3720.3	4300.0
32.5°	4874.3	4882.5	4819.3	4725.9	4572.1	4396.2	4212.1	4036.3	4022.5	4256.1	4780.9
35°	5182.0	5206.8	5162.8	5140.8	5028.2	4866.1	4687.5	4585.8	4621.5	4921.0	5404.6
37.5°	5553.0	5577.7	5528.2	5522.7	5487.0	5346.9	5223.2	5231.5	5267.2	5673.9	6061.3
40°	6088.8	6116.2	5989.8	5934.9	5934.9	5797.5	5756.3	5951.4	5998.1	6415.7	6745.4
42.5°	6542.1	6586.1	6511.9	6476.2	6369.0	6272.8	6322.3	6597.1	6676.7	7124.6	7341.7
45°	6761.9	6794.9	6882.8	6987.2	6882.8	6715.2	6902.1	7212.5	7325.2	7778.5	7937.9
47.5°	6880.1	6910.3	7012.0	7292.2	7363.7	7223.5	7487.3	7874.7	7951.6	8427.0	8506.7
50°	6896.6	6992.7	7124.6	7404.9	7731.8	7751.1	8075.3	8547.9	8638.6	9064.4	9006.7
52.5°	6761.9	6800.4	7072.4	7545.0	7907.7	8237.4	8715.5	9193.6	9259.5	9663.4	9449.1
55°	6542.1	6597.1	6869.1	7512.0	8078.0	8699.0	9366.7	9828.3	9902.5	10245.9	9858.5
57.5°	6344.3	6371.8	6663.0	7415.9	8248.4	9160.6	9946.4	10490.5	10539.9	10757.0	10160.7
60°	6124.5	6154.7	6445.9	7209.8	8374.8	9509.6	10550.9	11158.1	11202.1	11295.5	10512.4
62.5°	5555.7	5635.4	6000.8	6869.1	8341.8	9908.0	11196.6	11817.6	11872.5	11770.9	10790.0
65°	4511.6	4624.3	5072.1	6097.0	8034.1	10166.2	11724.1	12424.8	12518.2	12128.0	10864.1
67.5°	3503.2	3582.9	3942.9	4838.6	6954.3	10037.1	12064.9	12842.4	12869.9	12070.3	10452.0
68°	3321.9	3401.6	3745.0	4574.8	6654.8	9883.2	12056.6	12853.4	12913.9	12007.2	10292.6
70°	2541.6	2632.2	2959.2	3624.1	5363.4	8905.1	11553.8	12589.6	12581.4	11243.3	9303.5
72.5°	1588.1	1640.3	1865.6	2286.0	3547.2	6775.7	9806.3	11103.2	11125.2	9166.1	7135.6
75°	1008.4	1008.4	997.4	1107.3	1818.9	3860.4	7289.5	8547.9	8564.4	6418.5	4497.9
77.5°	876.5	851.8	733.6	621.0	725.4	1500.2	4313.8	5520.0	5429.3	3456.5	2134.9
80°	739.1	697.9	601.7	500.1	467.1	469.8	1656.8	2802.6	2681.7	1244.7	708.9
82.5°	533.0	497.3	453.4	392.9	359.9	280.3	346.2	810.6	791.3	359.9	230.8
85°	288.5	261.0	255.5	258.3	217.1	173.1	145.6	178.6	178.6	156.6	131.9
87.5°	101.7	74.2	87.9	98.9	85.2	71.4	57.7	68.7	71.4	68.7	63.2
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°	2722.9	2722.9	2722.9	2722.9	2722.9	2722.9	2722.9	2722.9	2722.9	2722.9	2722.9
2.5°	2733.9	2761.4	2827.3	2885.0	2926.2	2961.9	2981.2	2989.4	3008.7	3011.4	3005.9
5°	2755.9	2827.3	2926.2	3011.4	3058.1	3077.3	3082.8	3085.6	3077.3	3082.8	3077.3
7.5°	2813.6	2904.2	3044.4	3118.6	3126.8	3096.6	3099.3	3088.3	3099.3	3110.3	3110.3
10°	2901.5	3016.9	3148.8	3176.3	3140.5	3124.1	3157.0	3223.0	3245.0	3275.2	3275.2
12.5°	3016.9	3154.3	3247.7	3223.0	3190.0	3245.0	3341.1	3407.1	3429.0	3440.0	3431.8
15°	3148.8	3297.2	3343.9	3261.4	3321.9	3440.0	3473.0	3434.5	3379.6	3354.9	3368.6
17.5°	3316.4	3440.0	3412.6	3357.6	3495.0	3511.5	3404.3	3280.7	3192.7	3159.8	3181.8
20°	3492.2	3599.4	3473.0	3497.7	3582.9	3407.1	3203.7	3044.4	2967.4	2953.7	2975.7
22.5°	3679.1	3747.8	3533.5	3659.8	3533.5	3176.3	2931.7	2849.3	2830.1	2852.0	2871.3
25°	3890.6	3882.4	3637.9	3709.3	3349.4	2893.3	2747.6	2742.1	2742.1	2755.9	2783.4
27.5°	4129.7	4000.6	3742.3	3643.4	3030.6	2659.7	2632.2	2635.0	2626.7	2629.5	2643.2
30°	4407.2	4159.9	3857.7	3426.3	2673.4	2483.9	2472.9	2464.6	2445.4	2439.9	2445.4
32.5°	4756.2	4327.5	3975.8	3069.1	2360.2	2302.5	2297.0	2253.1	2206.3	2200.9	2220.1
35°	5198.5	4632.5	4036.3	2621.2	2101.9	2099.2	2080.0	2011.3	1950.8	1950.8	1937.1
37.5°	5704.1	5025.4	4061.0	2184.4	1887.6	1901.4	1846.4	1758.5	1711.8	1684.3	1692.5
40°	6220.6	5473.3	4058.3	1802.4	1700.8	1703.5	1662.3	1555.2	1439.8	1371.1	1387.6
42.5°	6718.0	5879.9	3986.8	1599.1	1549.7	1541.4	1508.4	1362.8	1266.7	1211.7	1214.5
45°	7116.4	6300.3	3876.9	1478.2	1412.3	1426.0	1351.8	1263.9	1176.0	1126.5	1123.8
47.5°	7514.8	6619.0	3701.1	1404.0	1310.6	1285.9	1255.7	1195.2	1129.3	1074.3	1077.1
50°	7877.5	6891.1	3536.2	1354.6	1217.2	1154.0	1159.5	1123.8	1066.1	1016.6	1013.9
52.5°	8133.0	7069.7	3445.5	1327.1	1104.5	1035.9	1055.1	1035.9	980.9	945.2	942.4
55°	8388.5	7207.0	3475.8	1291.4	980.9	926.0	958.9	953.4	923.2	912.2	915.0
57.5°	8594.6	7311.4	3582.9	1225.4	862.8	829.8	884.7	868.3	846.3	849.0	849.0
60°	8795.2	7446.1	3709.3	1074.3	761.1	763.8	816.0	785.8	772.1	796.8	799.6
62.5°	9004.0	7591.7	3604.9	854.5	673.2	692.4	752.9	728.1	733.6	769.3	780.3
65°	8979.3	7578.0	2937.2	700.6	596.2	634.7	725.4	717.1	719.9	733.6	739.1
67.5°	8473.7	7094.4	2019.5	596.2	541.3	588.0	703.4	670.4	673.2	664.9	667.7
68°	8303.3	6924.0	1780.5	579.8	530.3	577.0	692.4	662.2	664.9	656.7	653.9
70°	7374.6	5929.4	1126.5	511.1	491.8	546.8	637.5	626.5	623.7	618.2	618.2
72.5°	5621.7	4377.0	593.5	442.4	447.9	500.1	568.8	590.7	577.0	579.8	596.2
75°	3723.0	2632.2	412.1	379.2	392.9	428.6	505.6	549.5	535.8	544.0	535.8
77.5°	1970.1	1417.8	329.7	321.5	321.5	346.2	417.6	486.3	486.3	480.8	472.6
80°	645.7	500.1	263.8	252.8	258.3	272.0	335.2	398.4	406.6	395.7	390.2
82.5°	217.1	230.8	197.8	184.1	189.6	200.6	252.8	305.0	307.7	285.8	280.3
85°	134.6	153.9	123.6	120.9	120.9	123.6	153.9	167.6	153.9	137.4	142.9
87.5°	63.2	76.9	57.7	49.5	41.2	35.7	27.5	11.0	11.0	5.5	5.5
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)