

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: P1210461

Luminaire Tested: **ARCH3-130-730-U-T2RE**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1210461
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: ARCH3-130-730-U-T2RE
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 3000K, 1035mA LIGHTSQUARE WITH 40 LEDS AND TYPE II ROADWAY
ILLUMINANCE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18814 lumens
Efficiency: N/A
Efficacy: 141.9 lumens/watt
Luminous Opening: Rectangular (W 0.58' x L: 0.58' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

Input Watts (W): 132.6
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

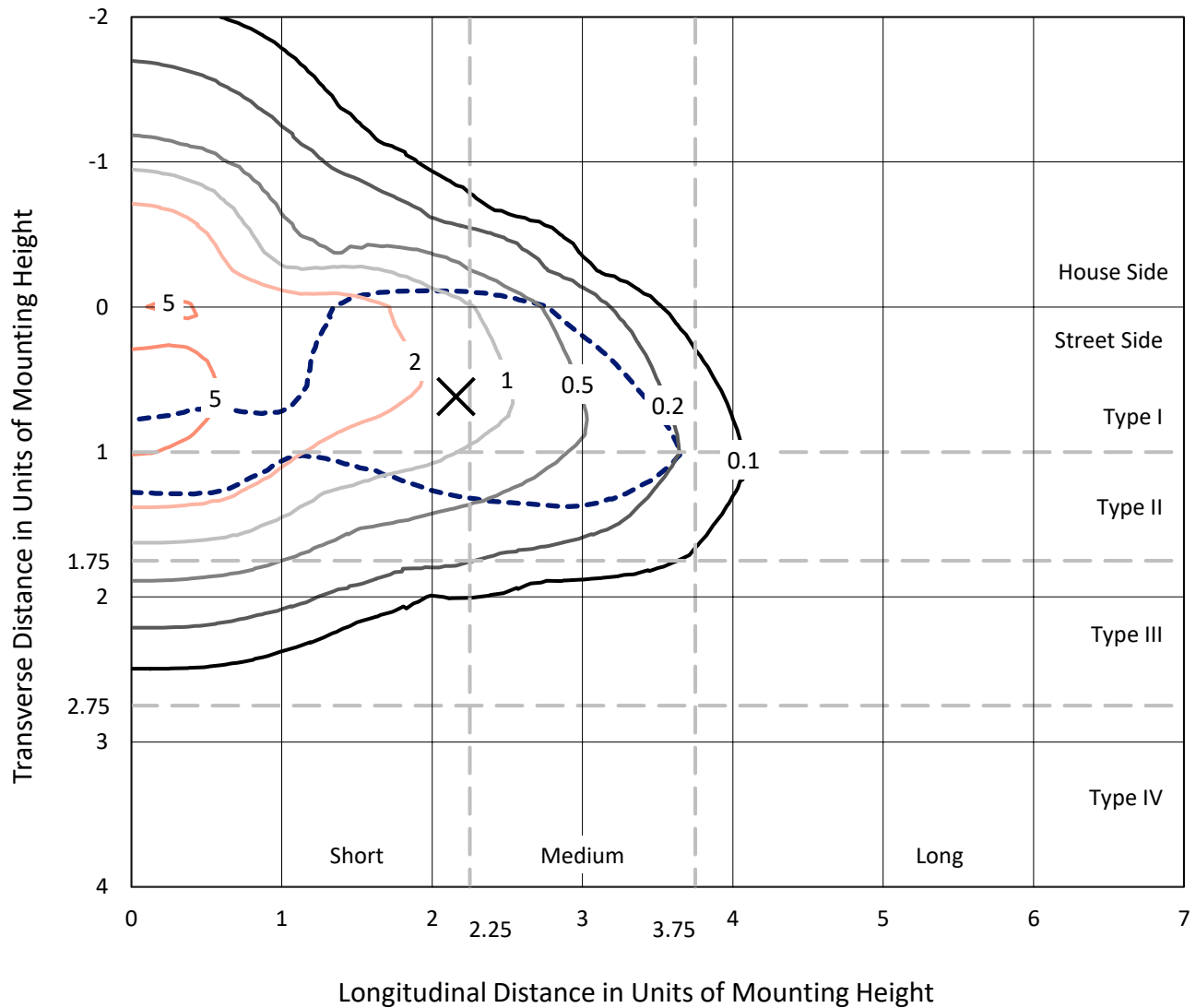


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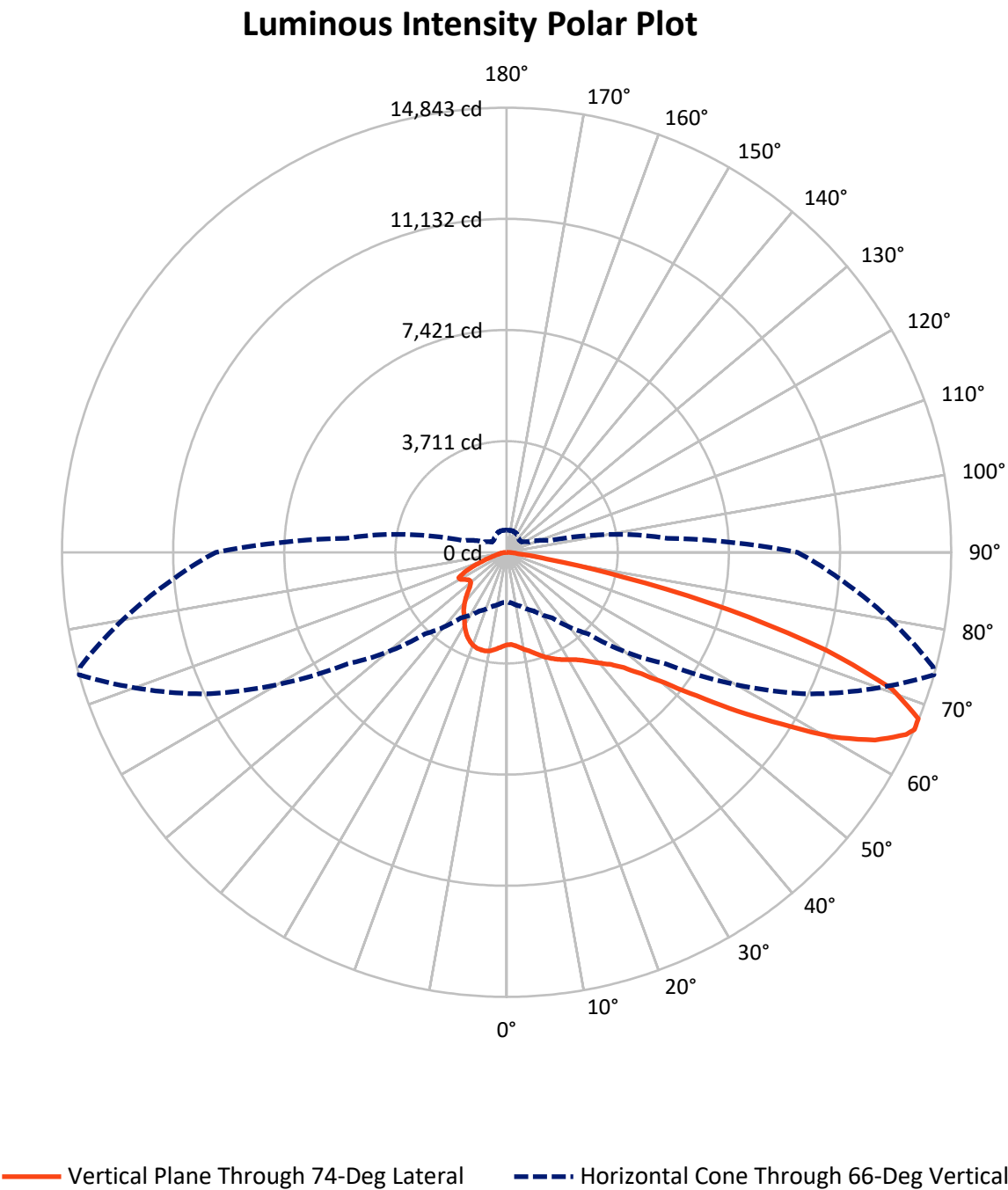
Iso-Footcandle Lines of Horizontal Illumination

× Max cd
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.9 fc
Type II - Short - N/A

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4581.7	0.0	4581.7
	% Fixture	24.4	0.0	24.4
Street Side	Lumens	14232.3	0.0	14232.3
	% Fixture	75.6	0.0	75.6
Total	Lumens	18814.0	0.0	18814.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	294.2	1.6
10°-20°	904.8	4.8
20°-30°	1697.8	9.0
30°-40°	2611.6	13.9
40°-50°	3512.8	18.7
50°-60°	4154.3	22.1
60°-70°	3843.0	20.4
70°-80°	1616.7	8.6
80°-90°	178.9	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°	18814.0	100.0
0°-180°	18814.0	100.0

Coefficient of Utilization



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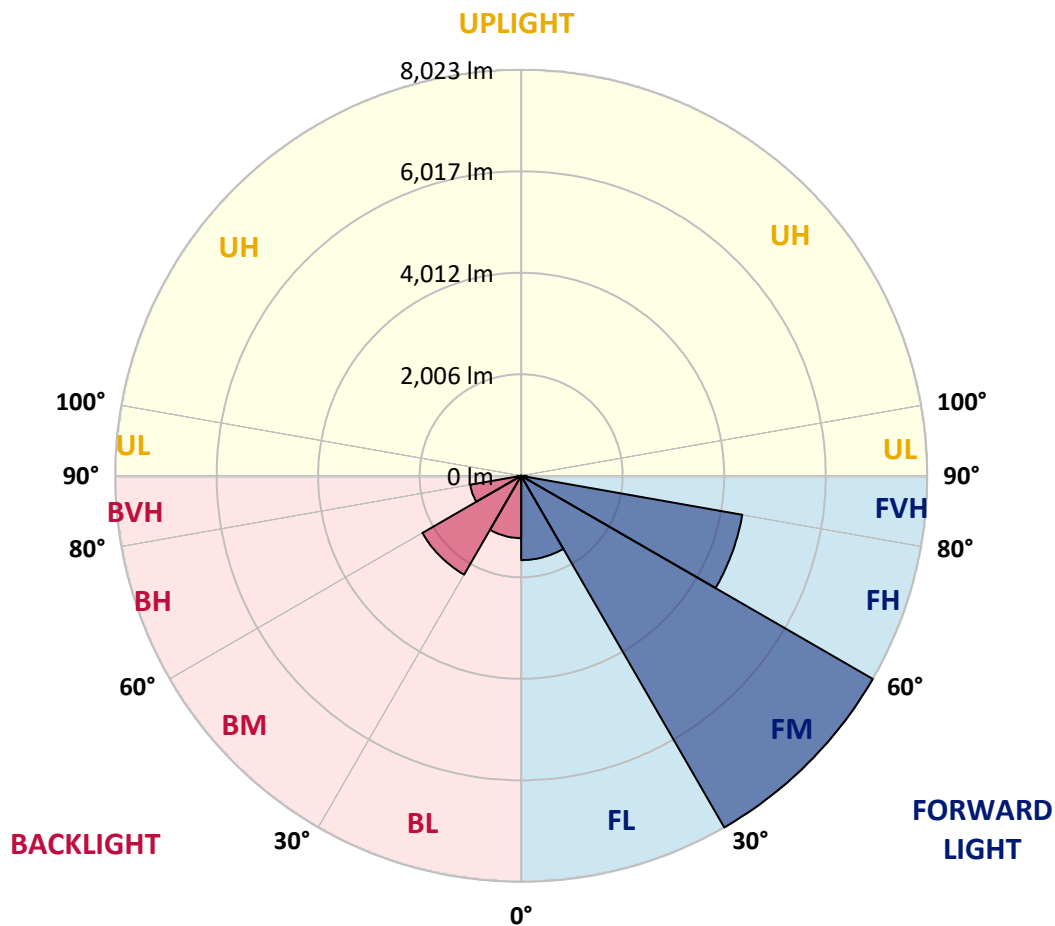
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1665.3	8.9			
FM	(30°-60°)	8023.1	42.6			
FH	(60°-80°)	4436.9	23.6			G2/5000
FVH	(80°-90°)	107.0	0.6			G2/225
BL	(0°-30°)	1231.5	6.5	B3/2500		
BM	(30°-60°)	2255.6	12.0	B2/2500		
BH	(60°-80°)	1022.8	5.4	B3/2500		G3/2500
BVH	(80°-90°)	71.9	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 II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	3084.2	3084.2	3084.2	3084.2	3084.2	3084.2	3084.2	3084.2	3084.2	3084.2	3084.2
2.5°	3074.6	3069.7	3079.4	3093.9	3101.2	3089.1	3084.2	3081.8	3081.8	3074.6	3086.7
5°	2929.3	2926.9	2948.7	2975.3	3026.1	3062.5	3110.9	3139.9	3130.2	3115.7	3125.4
7.5°	2740.5	2735.6	2762.3	2813.1	2883.3	2963.2	3081.8	3173.8	3210.1	3205.3	3202.9
10°	2813.1	2808.3	2805.8	2791.3	2815.5	2893.0	3016.5	3178.7	3302.1	3304.5	3307.0
12.5°	3064.9	3077.0	3064.9	3018.9	2965.6	2936.6	3009.2	3190.8	3379.6	3394.1	3454.6
15°	3408.6	3396.5	3372.3	3319.1	3236.8	3149.6	3096.3	3246.4	3491.0	3503.1	3636.2
17.5°	3711.3	3720.9	3706.4	3655.6	3558.7	3445.0	3282.8	3343.3	3609.6	3643.5	3829.9
20°	4040.5	4079.2	4059.9	3996.9	3917.0	3747.6	3544.2	3483.7	3740.3	3764.5	4030.8
22.5°	4420.6	4461.7	4425.4	4364.9	4299.5	4091.3	3829.9	3655.6	3849.2	3900.1	4224.5
25°	4875.7	4914.4	4880.6	4786.1	4703.8	4449.6	4137.3	3849.2	3955.8	4011.4	4381.8
27.5°	5236.4	5265.5	5297.0	5241.3	5115.4	4851.5	4456.9	4050.2	4062.3	4120.4	4527.1
30°	5558.4	5631.0	5657.7	5664.9	5558.4	5263.1	4783.7	4258.4	4154.3	4214.8	4672.4
32.5°	5999.0	6108.0	6064.4	6108.0	6045.0	5650.4	5122.6	4473.8	4272.9	4328.6	4810.3
35°	6643.0	6730.1	6616.3	6582.5	6480.8	6042.6	5449.5	4696.6	4430.3	4490.8	4941.1
37.5°	7335.4	7434.6	7270.0	7134.4	6940.8	6429.9	5730.3	4989.5	4648.1	4696.6	5062.1
40°	7940.6	8022.9	7880.1	7700.9	7376.5	6771.3	5972.4	5195.3	4866.0	4926.6	5202.5
42.5°	8499.8	8553.1	8393.3	8221.4	7788.1	7078.7	6233.8	5413.2	5120.2	5178.3	5316.3
45°	9066.3	9107.5	8884.7	8640.2	8131.8	7359.6	6521.9	5718.2	5493.0	5570.5	5500.3
47.5°	9168.0	9180.1	9141.4	8976.7	8403.0	7628.3	6877.8	6127.3	6062.0	6146.7	5817.4
50°	8463.5	8572.4	8812.1	8974.3	8511.9	7853.4	7233.7	6713.2	6846.3	6955.3	6475.9
52.5°	7095.7	7199.8	7754.2	8369.1	8250.5	7904.3	7616.2	7456.4	7952.7	8083.4	7371.7
55°	5652.8	5744.8	6330.7	7216.7	7405.6	7671.9	8025.3	8405.4	9364.1	9451.2	8354.6
57.5°	4655.4	4706.3	5125.1	5977.2	6279.8	6928.6	8245.6	9533.5	10799.7	10932.8	9209.1
60°	3817.8	3873.5	4185.8	4887.8	5289.7	5865.9	8071.3	10647.2	12513.7	12513.7	10305.8
62.5°	2873.6	2922.0	3212.5	3762.1	4437.5	4965.3	7514.5	11385.5	13806.5	13748.4	11099.9
65°	1973.0	2011.8	2222.4	2588.0	3195.6	4231.8	6754.3	11395.2	14663.5	14586.0	11438.8
66°	1655.9	1689.8	1868.9	2164.3	2675.1	3839.6	6485.6	11189.4	14842.6	14733.7	11296.0
67.5°	1307.3	1331.5	1450.1	1624.4	1960.9	3108.4	6062.0	10606.0	14825.7	14760.3	10932.8
70°	934.5	951.4	1038.6	1074.9	1159.6	1798.7	4815.2	9289.0	13637.0	13656.4	9504.5
72.5°	723.9	750.5	803.7	811.0	791.6	956.3	2922.0	7749.3	11155.6	11148.3	7054.5
75°	583.4	598.0	624.6	639.1	634.3	617.3	1237.1	5781.1	7679.1	7768.7	3950.9
77.5°	460.0	457.6	481.8	501.1	515.7	484.2	566.5	3389.3	4026.0	3912.2	1484.0
80°	338.9	338.9	372.8	380.1	401.9	406.7	377.7	1307.3	1382.3	1256.5	384.9
82.5°	222.7	222.7	259.0	263.9	285.7	317.1	273.6	392.2	382.5	363.1	174.3
85°	121.0	116.2	128.3	145.3	157.4	186.4	164.6	196.1	200.9	198.5	116.2
87.5°	24.2	21.8	33.9	38.7	43.6	58.1	53.3	79.9	111.4	108.9	50.8
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°	3084.2	3084.2	3084.2	3084.2	3084.2	3084.2	3084.2	3084.2	3084.2	3084.2	3084.2
2.5°	3103.6	3101.2	3127.8	3159.3	3195.6	3217.4	3227.1	3244.0	3231.9	3236.8	3251.3
5°	3149.6	3156.9	3195.6	3236.8	3253.7	3241.6	3215.0	3205.3	3183.5	3178.7	3173.8
7.5°	3217.4	3229.5	3268.2	3277.9	3227.1	3142.3	3081.8	3047.9	3011.6	3001.9	2997.1
10°	3328.8	3336.0	3345.7	3246.4	3120.6	3006.8	2931.7	2900.3	2876.0	2856.7	2861.5
12.5°	3469.2	3464.3	3389.3	3183.5	3004.4	2888.1	2837.3	2817.9	2801.0	2788.9	2786.5
15°	3645.9	3612.0	3396.5	3096.3	2895.4	2798.6	2762.3	2755.0	2735.6	2735.6	2733.2
17.5°	3825.0	3737.9	3391.7	3004.4	2791.3	2738.0	2716.3	2711.4	2706.6	2704.2	2711.4
20°	4004.2	3849.2	3353.0	2890.6	2718.7	2687.2	2682.4	2684.8	2679.9	2687.2	2682.4
22.5°	4161.5	3921.9	3280.3	2769.5	2667.8	2665.4	2653.3	2658.2	2675.1	2677.5	2684.8
25°	4282.6	3948.5	3173.8	2658.2	2631.5	2626.7	2641.2	2660.6	2675.1	2677.5	2689.6
27.5°	4381.8	3934.0	3040.7	2571.0	2568.6	2595.2	2638.8	2646.1	2648.5	2648.5	2638.8
30°	4456.9	3902.5	2871.2	2474.2	2486.3	2551.6	2592.8	2592.8	2573.4	2568.6	2583.1
32.5°	4473.8	3861.4	2687.2	2374.9	2394.3	2471.7	2522.6	2505.6	2483.9	2483.9	2493.5
35°	4488.4	3805.7	2539.5	2239.3	2268.4	2360.4	2408.8	2374.9	2350.7	2343.4	2341.0
37.5°	4483.5	3783.9	2406.4	2067.5	2106.2	2195.8	2227.2	2195.8	2159.5	2142.5	2164.3
40°	4488.4	3769.4	2239.3	1878.6	1917.4	1970.6	2011.8	1987.6	1953.7	1910.1	1931.9
42.5°	4517.4	3788.7	2055.4	1694.6	1694.6	1723.7	1793.9	1776.9	1694.6	1677.7	1697.1
45°	4672.4	3892.8	1871.4	1510.6	1484.0	1503.4	1576.0	1503.4	1452.5	1452.5	1469.5
47.5°	5047.6	4086.5	1709.2	1348.4	1285.5	1324.2	1343.6	1275.8	1237.1	1227.4	1244.3
50°	5812.6	4473.8	1612.3	1215.3	1137.8	1166.9	1154.8	1152.4	1113.6	1118.5	1128.1
52.5°	6974.6	5229.2	1583.3	1149.9	1053.1	1060.4	1048.3	1053.1	1045.8	1070.0	1077.3
55°	8240.8	6025.6	1619.6	1159.6	995.0	944.2	949.0	973.2	1002.3	1041.0	1048.3
57.5°	9187.4	6425.1	1714.0	1225.0	922.4	844.9	857.0	903.0	958.7	990.2	1007.1
60°	9891.8	6376.7	1852.0	1241.9	835.2	755.3	777.1	844.9	893.3	919.9	936.9
62.5°	10121.8	6074.1	1885.9	1118.5	721.4	670.6	723.9	794.1	815.8	844.9	857.0
65°	9933.0	5645.6	1639.0	907.8	634.3	607.6	685.1	738.4	767.4	782.0	784.4
66°	9710.3	5388.9	1505.8	825.5	602.8	588.3	670.6	714.2	743.2	740.8	743.2
67.5°	9221.2	4851.5	1290.3	709.3	556.8	559.2	646.4	675.4	685.1	677.9	677.9
70°	7558.1	3415.9	924.8	537.4	489.0	522.9	581.0	588.3	610.1	600.4	600.4
72.5°	4660.3	1677.7	619.8	411.6	435.8	489.0	486.6	510.8	561.7	576.2	585.9
75°	2290.2	680.3	409.1	348.6	389.8	409.1	404.3	464.8	537.4	600.4	622.2
77.5°	869.1	338.9	285.7	305.0	314.7	307.5	322.0	421.2	537.4	651.2	673.0
80°	268.7	234.8	225.1	251.8	237.2	225.1	242.1	348.6	455.1	493.9	493.9
82.5°	162.2	184.0	174.3	171.9	159.8	162.2	174.3	249.4	351.0	368.0	368.0
85°	113.8	121.0	99.3	94.4	92.0	89.6	89.6	145.3	208.2	205.8	213.0
87.5°	43.6	48.4	36.3	36.3	33.9	24.2	19.4	24.2	24.2	16.9	12.1
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)