

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: P1210933

Luminaire Tested: **ARCH4-120-722-U-T2RE**

Issue Date: 11/5/2025

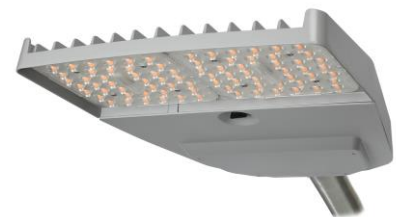
Test Information

Test Method: LM-79-08
Report Number: P1210933
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: ARCH4-120-722-U-T2RE
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 2200K, 1000mA LIGHTSQUARES WITH 40 LEDS EACH AND TYPE II
ROADWAY ILLUMINANCE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17403 lumens
Efficiency: N/A
Efficacy: 142.6 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 0.58' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

Input Watts (W): 122
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

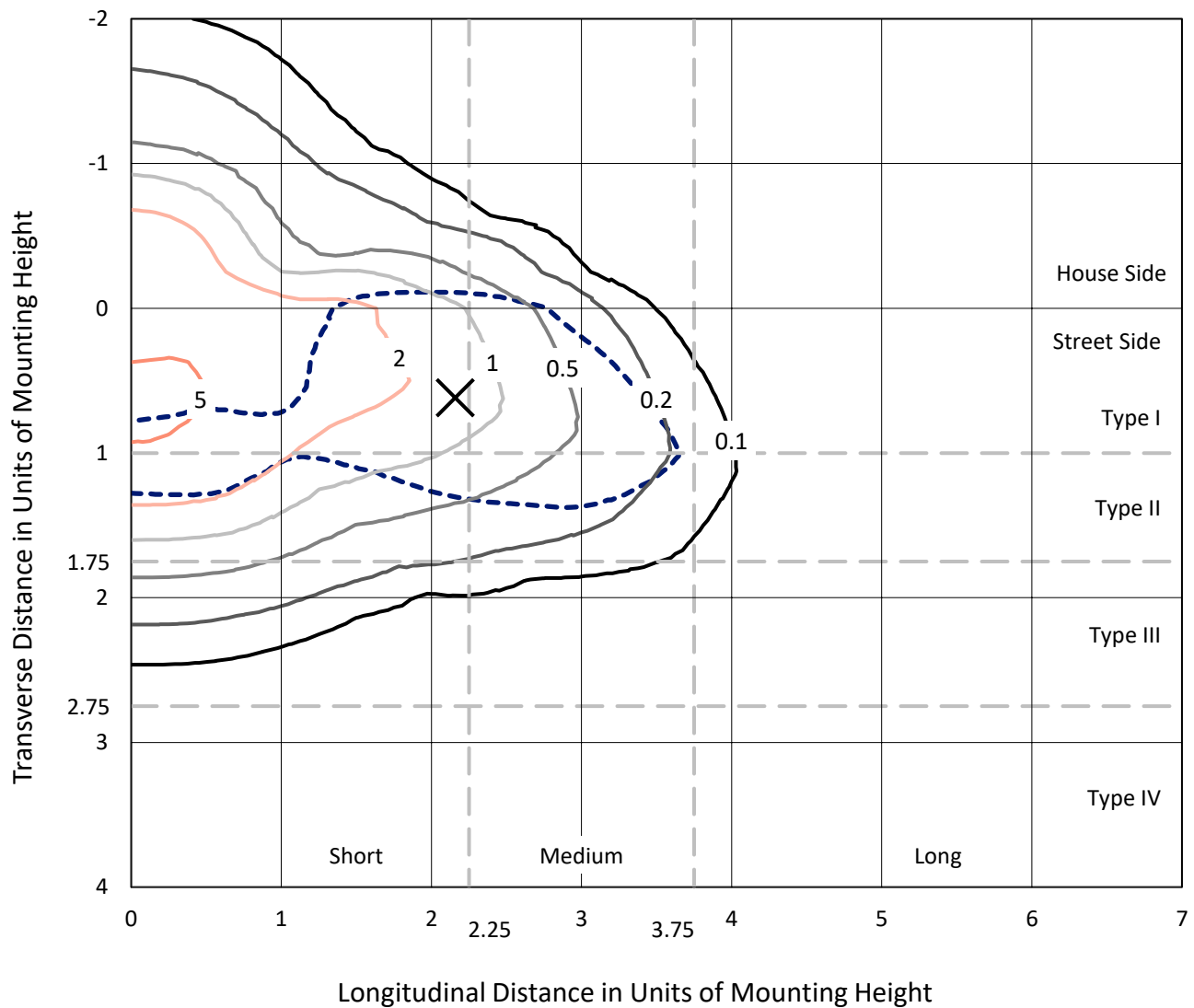


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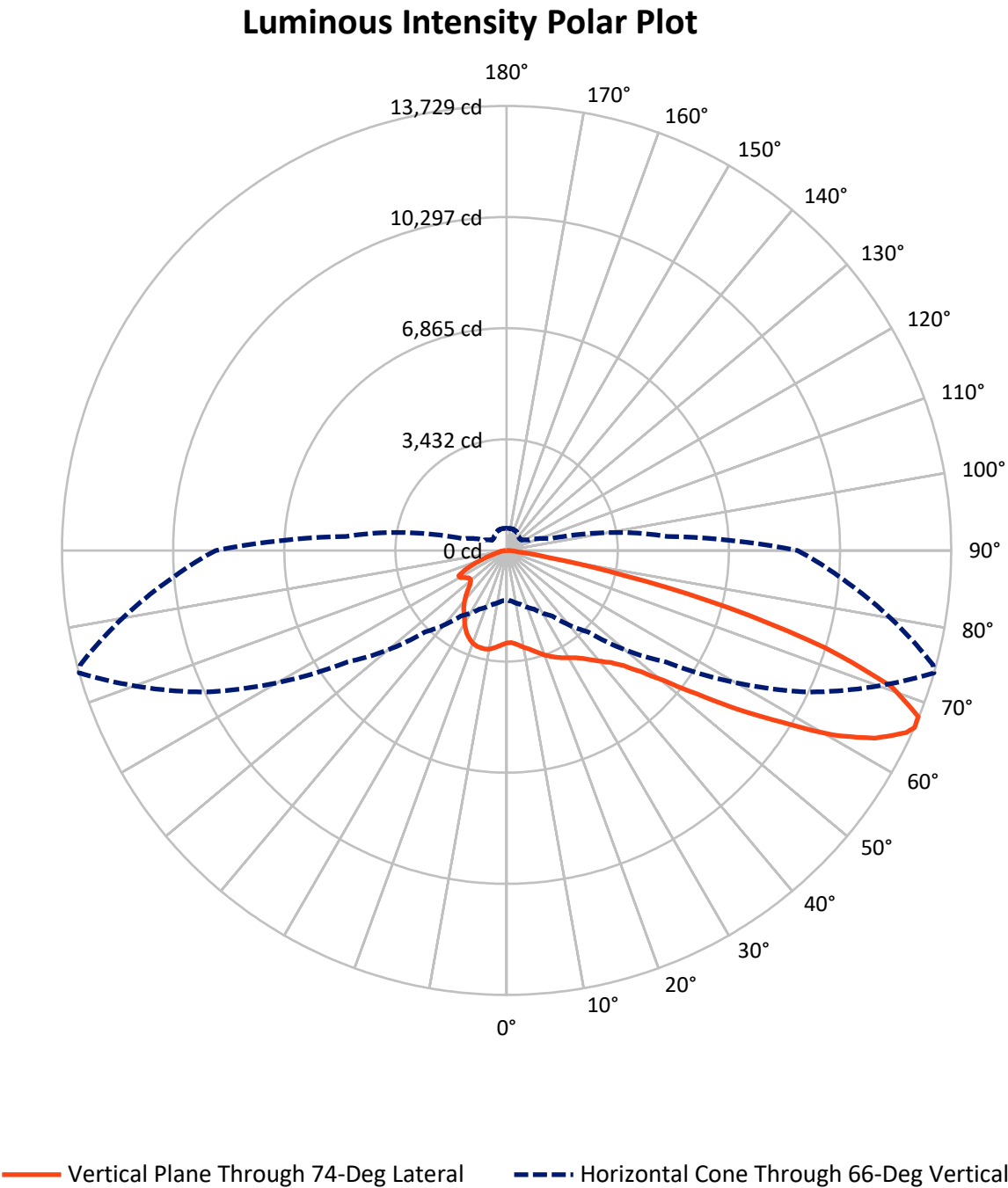
Iso-Footcandle Lines of Horizontal Illumination

× Max cd
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.5 fc
Type II - Short - N/A

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4238.1	0.0	4238.1
	% Fixture	24.4	0.0	24.4
Street Side	Lumens	13164.9	0.0	13164.9
	% Fixture	75.6	0.0	75.6
Total	Lumens	17403.0	0.0	17403.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	272.1	1.6
10°-20°	836.9	4.8
20°-30°	1570.4	9.0
30°-40°	2415.7	13.9
40°-50°	3249.4	18.7
50°-60°	3842.7	22.1
60°-70°	3554.7	20.4
70°-80°	1495.5	8.6
80°-90°	165.5	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°	17403.0	100.0
0°-180°	17403.0	100.0

Coefficient of Utilization



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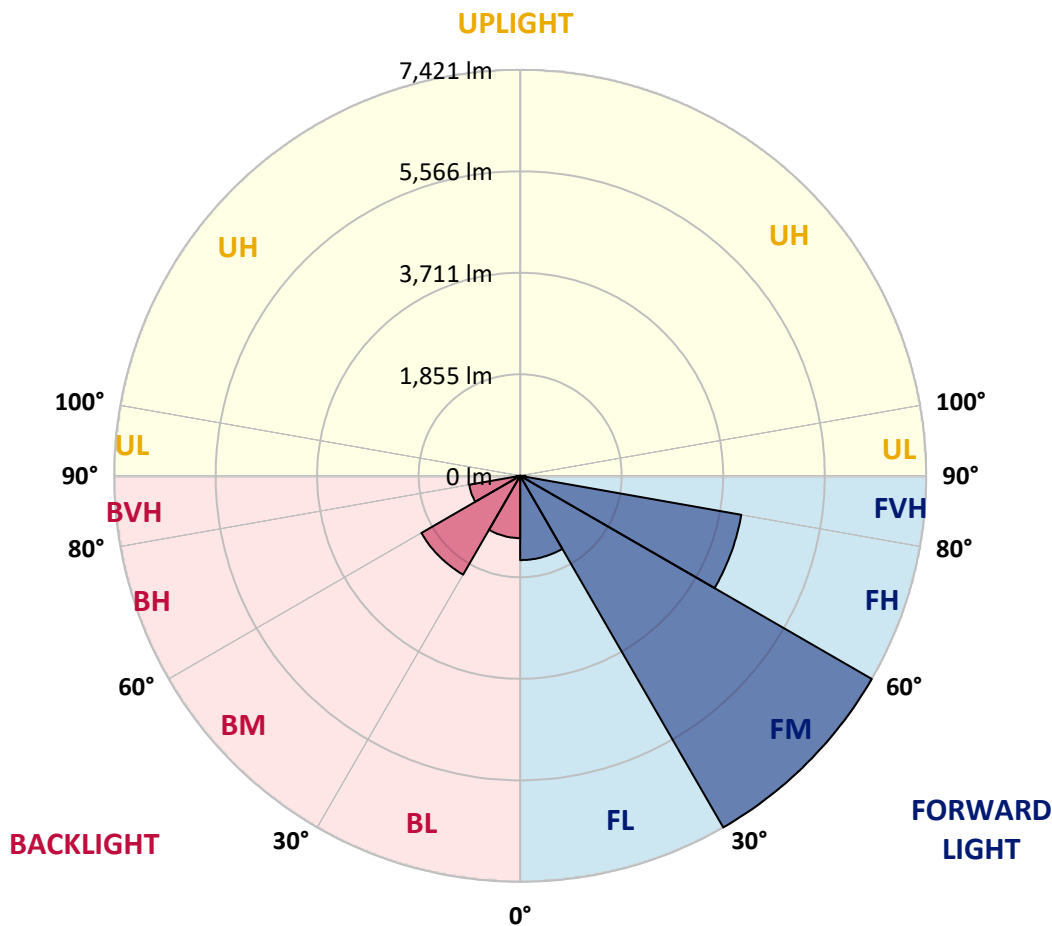
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1540.4	8.9			
FM	(30°-60°)	7421.4	42.6			
FH	(60°-80°)	4104.1	23.6			G2/5000
FVH	(80°-90°)	99.0	0.6			G1/100
BL	(0°-30°)	1139.1	6.5	B3/2500		
BM	(30°-60°)	2086.4	12.0	B2/2500		
BH	(60°-80°)	946.1	5.4	B2/1000		G2/1000
BVH	(80°-90°)	66.5	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



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	2852.9	2852.9	2852.9	2852.9	2852.9	2852.9	2852.9	2852.9	2852.9	2852.9	2852.9
2.5°	2844.0	2839.5	2848.5	2861.9	2868.6	2857.4	2852.9	2850.7	2850.7	2844.0	2855.2
5°	2709.6	2707.4	2727.5	2752.2	2799.2	2832.8	2877.6	2904.4	2895.5	2882.0	2891.0
7.5°	2534.9	2530.5	2555.1	2602.1	2667.1	2741.0	2850.7	2935.8	2969.4	2964.9	2962.7
10°	2602.1	2597.6	2595.4	2582.0	2604.4	2676.0	2790.2	2940.3	3054.5	3056.7	3059.0
12.5°	2835.0	2846.2	2835.0	2792.5	2743.2	2716.3	2783.5	2951.5	3126.1	3139.6	3195.6
15°	3153.0	3141.8	3119.4	3070.1	2994.0	2913.4	2864.1	3003.0	3229.1	3240.3	3363.5
17.5°	3432.9	3441.9	3428.4	3381.4	3291.8	3186.6	3036.6	3092.5	3338.9	3370.2	3542.6
20°	3737.5	3773.3	3755.4	3697.2	3623.3	3466.5	3278.4	3222.4	3459.8	3482.2	3728.5
22.5°	4089.1	4127.1	4093.5	4037.5	3977.1	3784.5	3542.6	3381.4	3560.6	3607.6	3907.7
25°	4510.0	4545.9	4514.5	4427.2	4351.1	4115.9	3827.0	3560.6	3659.1	3710.6	4053.2
27.5°	4843.7	4870.6	4899.7	4848.2	4731.7	4487.7	4122.6	3746.4	3757.6	3811.4	4187.6
30°	5141.5	5208.7	5233.4	5240.1	5141.5	4868.3	4425.0	3939.0	3842.7	3898.7	4321.9
32.5°	5549.1	5649.9	5609.6	5649.9	5591.7	5226.6	4738.5	4138.3	3952.5	4004.0	4449.6
35°	6144.8	6225.4	6120.1	6088.8	5994.7	5589.4	5040.8	4344.3	4098.0	4154.0	4570.5
37.5°	6785.2	6877.0	6724.8	6599.4	6420.2	5947.7	5300.5	4615.3	4299.5	4344.3	4682.5
40°	7345.1	7421.2	7289.1	7123.4	6823.3	6263.5	5524.5	4805.6	4501.1	4557.1	4812.4
42.5°	7862.4	7911.6	7763.8	7604.8	7204.0	6547.9	5766.3	5007.2	4736.2	4790.0	4917.6
45°	8386.4	8424.4	8218.4	7992.2	7522.0	6807.6	6032.8	5289.3	5081.1	5152.7	5087.8
47.5°	8480.4	8491.6	8455.8	8303.5	7772.8	7056.2	6362.0	5667.8	5607.3	5685.7	5381.2
50°	7828.8	7929.5	8151.2	8301.3	7873.6	7264.4	6691.2	6209.7	6332.9	6433.6	5990.3
52.5°	6563.5	6659.8	7172.6	7741.4	7631.7	7311.5	7045.0	6897.2	7356.3	7477.2	6818.8
55°	5228.9	5314.0	5855.9	6675.5	6850.2	7096.5	7423.4	7775.0	8661.8	8742.4	7728.0
57.5°	4306.3	4353.3	4740.7	5529.0	5808.9	6409.0	7627.2	8818.6	9989.7	10112.9	8518.5
60°	3531.5	3583.0	3871.8	4521.2	4893.0	5425.9	7466.0	9848.7	11575.2	11575.2	9532.9
62.5°	2658.1	2702.9	2971.6	3479.9	4104.7	4592.9	6950.9	10531.7	12771.0	12717.3	10267.4
65°	1825.1	1860.9	2055.7	2393.9	2955.9	3914.4	6247.8	10540.6	13563.7	13492.1	10580.9
66°	1531.7	1563.1	1728.8	2002.0	2474.5	3551.6	5999.2	10350.3	13729.4	13628.7	10448.8
67.5°	1209.2	1231.6	1341.4	1502.6	1813.9	2875.3	5607.3	9810.6	13713.8	13653.3	10112.9
70°	864.4	880.1	960.7	994.3	1072.6	1663.8	4454.1	8592.4	12614.3	12632.2	8791.7
72.5°	669.6	694.2	743.5	750.2	732.3	884.5	2702.9	7168.2	10318.9	10312.2	6525.5
75°	539.7	553.1	577.8	591.2	586.7	571.0	1144.3	5347.6	7103.2	7186.1	3654.6
77.5°	425.5	423.2	445.6	463.5	477.0	447.9	524.0	3135.1	3724.0	3618.8	1372.7
80°	313.5	313.5	344.9	351.6	371.7	376.2	349.3	1209.2	1278.7	1162.2	356.1
82.5°	206.0	206.0	239.6	244.1	264.2	293.4	253.0	362.8	353.8	335.9	161.2
85°	112.0	107.5	118.7	134.4	145.6	172.4	152.3	181.4	185.9	183.6	107.5
87.5°	22.4	20.2	31.4	35.8	40.3	53.7	49.3	73.9	103.0	100.8	47.0
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°	2852.9	2852.9	2852.9	2852.9	2852.9	2852.9	2852.9	2852.9	2852.9	2852.9	2852.9
2.5°	2870.8	2868.6	2893.2	2922.4	2955.9	2976.1	2985.1	3000.7	2989.5	2994.0	3007.4
5°	2913.4	2920.1	2955.9	2994.0	3009.7	2998.5	2973.9	2964.9	2944.7	2940.3	2935.8
7.5°	2976.1	2987.3	3023.1	3032.1	2985.1	2906.7	2850.7	2819.3	2785.7	2776.8	2772.3
10°	3079.1	3085.8	3094.8	3003.0	2886.5	2781.3	2711.9	2682.7	2660.3	2642.4	2646.9
12.5°	3209.0	3204.5	3135.1	2944.7	2779.0	2671.5	2624.5	2606.6	2590.9	2579.7	2577.5
15°	3372.5	3341.1	3141.8	2864.1	2678.3	2588.7	2555.1	2548.4	2530.5	2530.5	2528.2
17.5°	3538.2	3457.6	3137.3	2779.0	2582.0	2532.7	2512.5	2508.1	2503.6	2501.4	2508.1
20°	3703.9	3560.6	3101.5	2673.8	2514.8	2485.7	2481.2	2483.4	2479.0	2485.7	2481.2
22.5°	3849.4	3627.7	3034.3	2561.8	2467.8	2465.5	2454.3	2458.8	2474.5	2476.7	2483.4
25°	3961.4	3652.4	2935.8	2458.8	2434.2	2429.7	2443.1	2461.0	2474.5	2476.7	2487.9
27.5°	4053.2	3638.9	2812.6	2378.2	2375.9	2400.6	2440.9	2447.6	2449.8	2449.8	2440.9
30°	4122.6	3609.8	2655.9	2288.6	2299.8	2360.3	2398.3	2398.3	2380.4	2375.9	2389.4
32.5°	4138.3	3571.8	2485.7	2196.8	2214.7	2286.4	2333.4	2317.7	2297.6	2297.6	2306.5
35°	4151.8	3520.3	2349.1	2071.4	2098.3	2183.4	2228.2	2196.8	2174.4	2167.7	2165.5
37.5°	4147.3	3500.1	2225.9	1912.4	1948.2	2031.1	2060.2	2031.1	1997.5	1981.8	2002.0
40°	4151.8	3486.7	2071.4	1737.7	1773.6	1822.8	1860.9	1838.5	1807.2	1766.8	1787.0
42.5°	4178.6	3504.6	1901.2	1567.5	1567.5	1594.4	1659.4	1643.7	1567.5	1551.9	1569.8
45°	4321.9	3600.9	1731.0	1397.4	1372.7	1390.6	1457.8	1390.6	1343.6	1343.6	1359.3
47.5°	4669.0	3780.0	1581.0	1247.3	1189.1	1224.9	1242.8	1180.1	1144.3	1135.3	1151.0
50°	5376.7	4138.3	1491.4	1124.2	1052.5	1079.4	1068.2	1065.9	1030.1	1034.6	1043.5
52.5°	6451.6	4837.0	1464.5	1063.7	974.1	980.8	969.6	974.1	967.4	989.8	996.5
55°	7622.7	5573.7	1498.1	1072.6	920.4	873.3	877.8	900.2	927.1	962.9	969.6
57.5°	8498.3	5943.2	1585.5	1133.1	853.2	781.5	792.7	835.3	886.8	915.9	931.6
60°	9150.0	5898.4	1713.1	1148.8	772.6	698.7	718.8	781.5	826.3	851.0	866.6
62.5°	9362.7	5618.5	1744.5	1034.6	667.3	620.3	669.6	734.5	754.7	781.5	792.7
65°	9188.0	5222.2	1516.0	839.8	586.7	562.1	633.7	683.0	709.9	723.3	725.5
66°	8982.0	4984.8	1392.9	763.6	557.6	544.2	620.3	660.6	687.5	685.2	687.5
67.5°	8529.7	4487.7	1193.6	656.1	515.1	517.3	597.9	624.8	633.7	627.0	627.0
70°	6991.2	3159.7	855.4	497.1	452.3	483.7	537.4	544.2	564.3	555.4	555.4
72.5°	4310.7	1551.9	573.3	380.7	403.1	452.3	450.1	472.5	519.5	533.0	541.9
75°	2118.4	629.3	378.4	322.5	360.5	378.4	374.0	430.0	497.1	555.4	575.5
77.5°	803.9	313.5	264.2	282.2	291.1	284.4	297.8	389.6	497.1	602.4	622.5
80°	248.6	217.2	208.3	232.9	219.5	208.3	223.9	322.5	421.0	456.8	456.8
82.5°	150.0	170.2	161.2	159.0	147.8	150.0	161.2	230.7	324.7	340.4	340.4
85°	105.2	112.0	91.8	87.3	85.1	82.9	82.9	134.4	192.6	190.3	197.1
87.5°	40.3	44.8	33.6	33.6	31.4	22.4	17.9	22.4	22.4	15.7	11.2
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)