

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: P1210471

Luminaire Tested: **ARCH3-130-740-U-T3RE**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1210471
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: ARCH3-130-740-U-T3RE
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 4000K, 1035mA LIGHTSQUARE WITH 40 LEDS AND TYPE III ROADWAY
ILLUMINANCE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19714 lumens
Efficiency: N/A
Efficacy: 148.7 lumens/watt
Luminous Opening: Rectangular (W 0.58' x L: 0.58' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

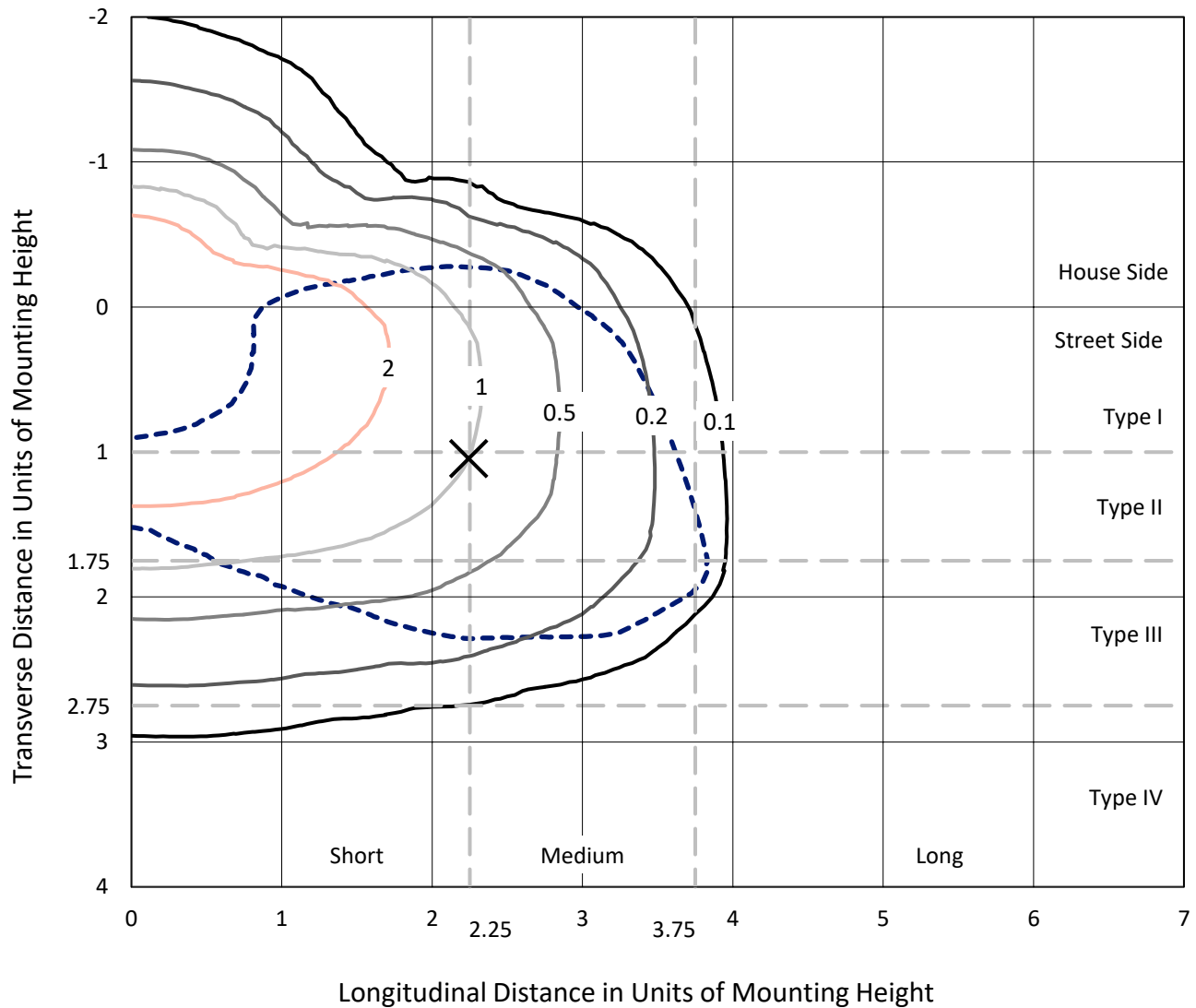
Input Watts (W): 132.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 --- 1/2 Max cd

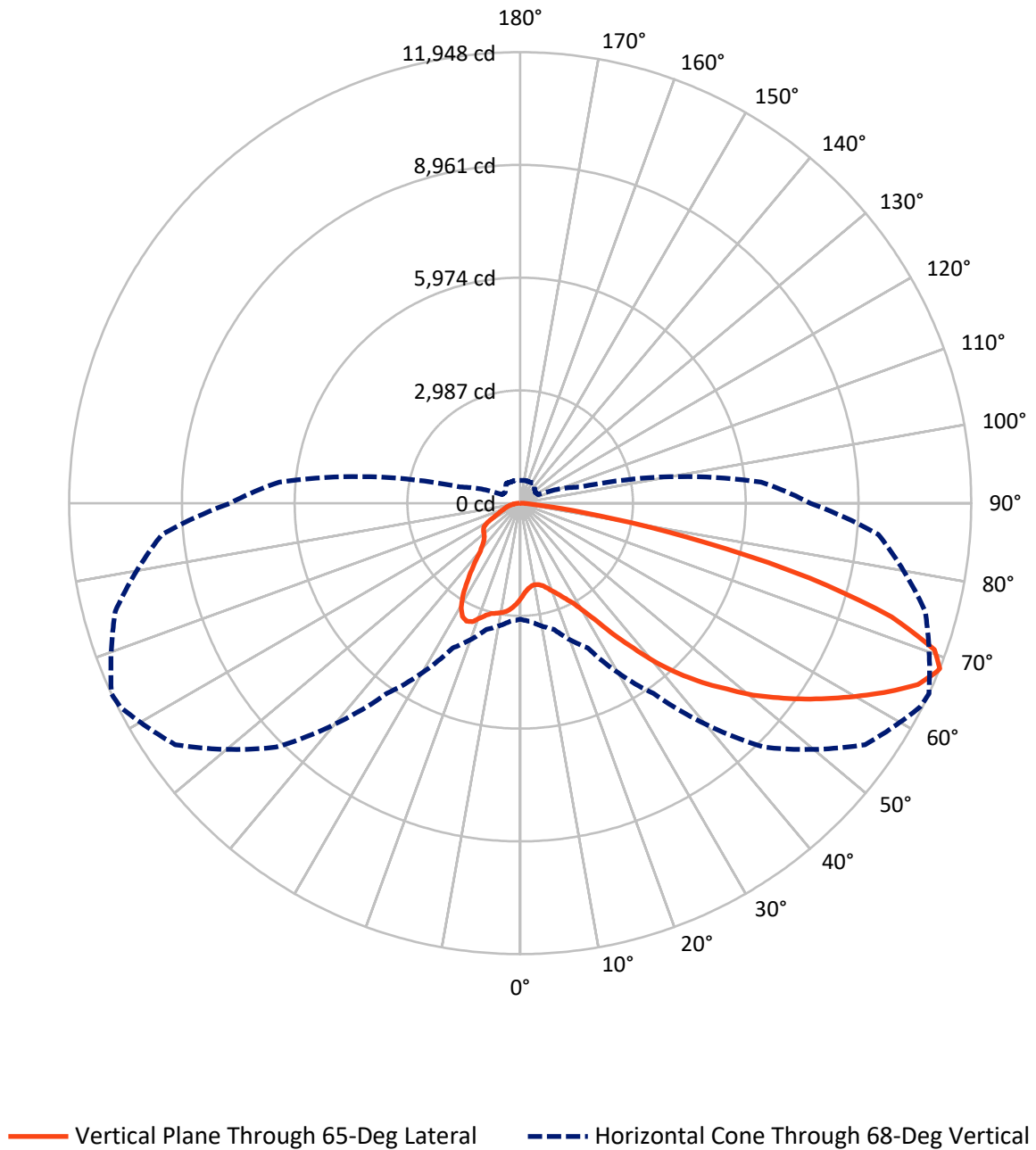


Based on 25 foot mounting height. Maximum calculated value = 4.6 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4833.3	0.0	4833.3
	% Fixture	24.5	0.0	24.5
Street Side	Lumens	14880.7	0.0	14880.7
	% Fixture	75.5	0.0	75.5
Total	Lumens	19714.0	0.0	19714.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	240.8	1.2
10°-20°	783.9	4.0
20°-30°	1418.8	7.2
30°-40°	2232.0	11.3
40°-50°	3324.2	16.9
50°-60°	4360.7	22.1
60°-70°	4768.8	24.2
70°-80°	2359.7	12.0
80°-90°	225.1	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°	19714.0	100.0
0°-180°	19714.0	100.0

Coefficient of Utilization



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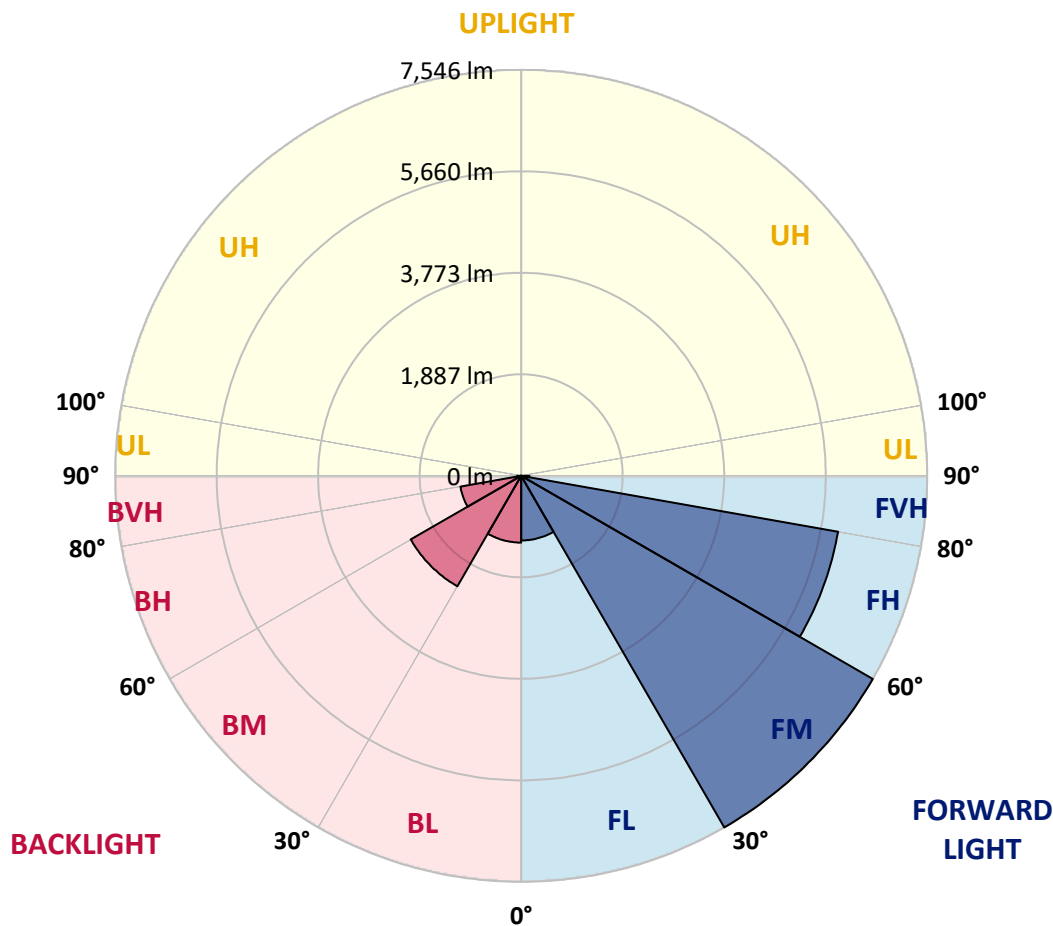
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1201.8	6.1			
FM	(30°-60°)	7546.2	38.3			
FH	(60°-80°)	5981.3	30.3			G3/7500
FVH	(80°-90°)	151.4	0.8			G2/225
BL	(0°-30°)	1241.7	6.3	B3/2500		
BM	(30°-60°)	2370.7	12.0	B2/2500		
BH	(60°-80°)	1147.2	5.8	B3/2500		G3/2500
BVH	(80°-90°)	73.7	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°	2519.2	2519.2	2519.2	2519.2	2519.2	2519.2	2519.2	2519.2	2519.2	2519.2	2519.2
2.5°	2198.9	2193.8	2206.5	2219.2	2247.2	2280.3	2326.0	2364.1	2369.2	2440.4	2496.3
5°	2069.3	2061.6	2074.3	2089.6	2102.3	2143.0	2191.3	2247.2	2270.1	2374.3	2493.8
7.5°	2082.0	2079.4	2084.5	2079.4	2079.4	2097.2	2130.3	2186.2	2211.6	2336.2	2506.5
10°	2155.7	2160.8	2163.3	2148.1	2132.8	2125.2	2135.4	2173.5	2191.3	2338.7	2562.4
12.5°	2277.7	2285.3	2287.9	2259.9	2239.6	2206.5	2188.7	2204.0	2216.7	2364.1	2641.2
15°	2442.9	2448.0	2430.2	2412.4	2361.6	2320.9	2277.7	2265.0	2270.1	2417.5	2730.2
17.5°	2636.1	2628.5	2628.5	2585.3	2519.2	2455.7	2384.5	2374.3	2374.3	2504.0	2857.3
20°	2847.1	2854.8	2831.9	2773.4	2707.3	2608.2	2537.0	2491.2	2496.3	2603.1	3012.4
22.5°	3152.2	3164.9	3103.9	3020.0	2918.3	2803.9	2702.2	2628.5	2631.1	2732.7	3172.5
25°	3480.1	3485.2	3447.1	3335.2	3197.9	3035.3	2900.5	2806.5	2803.9	2877.6	3378.4
27.5°	3815.7	3838.6	3762.3	3655.5	3528.4	3325.1	3147.1	3020.0	2999.7	3098.8	3635.2
30°	4161.4	4189.4	4115.6	4011.4	3853.8	3680.9	3470.0	3322.5	3309.8	3442.0	3978.4
32.5°	4509.7	4517.3	4458.8	4372.4	4230.0	4067.3	3897.0	3734.3	3721.6	3937.7	4423.2
35°	4794.4	4817.3	4776.6	4756.2	4652.0	4502.0	4336.8	4242.7	4275.8	4552.9	5000.3
37.5°	5137.6	5160.4	5114.7	5109.6	5076.6	4946.9	4832.5	4840.1	4873.2	5249.4	5607.8
40°	5633.3	5658.7	5541.8	5490.9	5490.9	5363.8	5325.7	5506.2	5549.4	5935.8	6240.8
42.5°	6052.7	6093.4	6024.7	5991.7	5892.6	5803.6	5849.3	6103.6	6177.3	6591.6	6792.5
45°	6256.1	6286.6	6367.9	6464.5	6367.9	6212.9	6385.7	6673.0	6777.2	7196.7	7344.1
47.5°	6365.4	6393.4	6487.4	6746.7	6812.8	6683.2	6927.2	7285.6	7356.8	7796.6	7870.3
50°	6380.6	6469.6	6591.6	6850.9	7153.4	7171.2	7471.2	7908.4	7992.3	8386.3	8333.0
52.5°	6256.1	6291.7	6543.3	6980.6	7316.1	7621.2	8063.5	8505.8	8566.8	8940.5	8742.2
55°	6052.7	6103.6	6355.2	6950.1	7473.7	8048.3	8666.0	9093.0	9161.7	9479.4	9121.0
57.5°	5869.7	5895.1	6164.6	6861.1	7631.3	8475.3	9202.4	9705.7	9751.5	9952.3	9400.6
60°	5666.3	5694.3	5963.7	6670.4	7748.3	8798.2	9761.6	10323.4	10364.1	10450.5	9726.0
62.5°	5140.1	5213.8	5551.9	6355.2	7717.8	9166.8	10359.0	10933.5	10984.4	10890.3	9982.8
65°	4174.1	4278.3	4692.7	5640.9	7433.1	9405.7	10847.1	11495.3	11581.8	11220.8	10051.4
67.5°	3241.2	3314.9	3647.9	4476.6	6434.0	9286.2	11162.3	11881.7	11907.1	11167.4	9670.1
68°	3073.4	3147.1	3464.9	4232.6	6156.9	9143.9	11154.7	11891.9	11947.8	11108.9	9522.7
70°	2351.4	2435.3	2737.8	3353.0	4962.2	8238.9	10689.5	11647.8	11640.2	10402.2	8607.5
72.5°	1469.3	1517.6	1726.1	2115.0	3281.8	6268.8	9072.7	10272.6	10292.9	8480.4	6601.8
75°	932.9	932.9	922.8	1024.5	1682.9	3571.6	6744.2	7908.4	7923.7	5938.3	4161.4
77.5°	810.9	788.0	678.7	574.5	671.1	1388.0	3991.1	5107.1	5023.2	3197.9	1975.2
80°	683.8	645.7	556.7	462.7	432.2	434.7	1532.9	2592.9	2481.1	1151.6	655.9
82.5°	493.2	460.1	419.4	363.5	333.0	259.3	320.3	749.9	732.1	333.0	213.5
85°	266.9	241.5	236.4	239.0	200.8	160.2	134.7	165.2	165.2	144.9	122.0
87.5°	94.1	68.6	81.3	91.5	78.8	66.1	53.4	63.6	66.1	63.6	58.5
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°	2519.2	2519.2	2519.2	2519.2	2519.2	2519.2	2519.2	2519.2	2519.2	2519.2	2519.2
2.5°	2529.4	2554.8	2615.8	2669.2	2707.3	2740.4	2758.2	2765.8	2783.6	2786.1	2781.0
5°	2549.7	2615.8	2707.3	2786.1	2829.3	2847.1	2852.2	2854.8	2847.1	2852.2	2847.1
7.5°	2603.1	2687.0	2816.6	2885.3	2892.9	2864.9	2867.5	2857.3	2867.5	2877.6	2877.6
10°	2684.4	2791.2	2913.2	2938.7	2905.6	2890.4	2920.9	2981.9	3002.2	3030.2	3030.2
12.5°	2791.2	2918.3	3004.7	2981.9	2951.4	3002.2	3091.2	3152.2	3172.5	3182.7	3175.1
15°	2913.2	3050.5	3093.7	3017.5	3073.4	3182.7	3213.2	3177.6	3126.8	3103.9	3116.6
17.5°	3068.3	3182.7	3157.3	3106.4	3233.5	3248.8	3149.6	3035.3	2953.9	2923.4	2943.7
20°	3231.0	3330.1	3213.2	3236.1	3314.9	3152.2	2964.1	2816.6	2745.5	2732.7	2753.1
22.5°	3403.9	3467.4	3269.1	3386.1	3269.1	2938.7	2712.4	2636.1	2618.4	2638.7	2656.5
25°	3599.6	3592.0	3365.7	3431.8	3098.8	2676.8	2542.1	2537.0	2537.0	2549.7	2575.1
27.5°	3820.8	3701.3	3462.3	3370.8	2803.9	2460.7	2435.3	2437.9	2430.2	2432.8	2445.5
30°	4077.5	3848.7	3569.1	3170.0	2473.5	2298.0	2287.9	2280.3	2262.5	2257.4	2262.5
32.5°	4400.4	4003.8	3678.4	2839.5	2183.7	2130.3	2125.2	2084.5	2041.3	2036.2	2054.0
35°	4809.6	4286.0	3734.3	2425.2	1944.7	1942.2	1924.4	1860.8	1804.9	1804.9	1792.2
37.5°	5277.4	4649.5	3757.2	2021.0	1746.4	1759.1	1708.3	1626.9	1583.7	1558.3	1565.9
40°	5755.3	5063.8	3754.7	1667.6	1573.6	1576.1	1538.0	1438.8	1332.1	1268.5	1283.8
42.5°	6215.4	5440.1	3688.6	1479.5	1433.7	1426.1	1395.6	1260.9	1171.9	1121.1	1123.6
45°	6584.0	5829.0	3586.9	1367.6	1306.6	1319.3	1250.7	1169.4	1088.0	1042.3	1039.7
47.5°	6952.6	6123.9	3424.2	1299.0	1212.6	1189.7	1161.7	1105.8	1044.8	994.0	996.5
50°	7288.2	6375.6	3271.7	1253.2	1126.1	1067.7	1072.8	1039.7	986.3	940.6	938.0
52.5°	7524.6	6540.8	3187.8	1227.8	1021.9	958.4	976.2	958.4	907.5	874.5	871.9
55°	7761.0	6667.9	3215.7	1194.8	907.5	856.7	887.2	882.1	854.1	844.0	846.5
57.5°	7951.7	6764.5	3314.9	1133.8	798.2	767.7	818.6	803.3	783.0	785.5	785.5
60°	8137.2	6889.1	3431.8	994.0	704.2	706.7	755.0	727.0	714.3	737.2	739.7
62.5°	8330.4	7023.8	3335.2	790.6	622.8	640.6	696.5	673.7	678.7	711.8	722.0
65°	8307.5	7011.1	2717.5	648.2	551.6	587.2	671.1	663.5	666.0	678.7	683.8
67.5°	7839.8	6563.7	1868.4	551.6	500.8	544.0	650.8	620.3	622.8	615.2	617.7
68°	7682.2	6406.1	1647.3	536.4	490.6	533.8	640.6	612.6	615.2	607.6	605.0
70°	6823.0	5485.8	1042.3	472.8	455.0	505.9	589.8	579.6	577.1	572.0	572.0
72.5°	5201.1	4049.5	549.1	409.3	414.4	462.7	526.2	546.5	533.8	536.4	551.6
75°	3444.5	2435.3	381.3	350.8	363.5	396.6	467.7	508.4	495.7	503.3	495.7
77.5°	1822.7	1311.7	305.1	297.4	297.4	320.3	386.4	449.9	449.9	444.9	437.2
80°	597.4	462.7	244.0	233.9	239.0	251.7	310.1	368.6	376.2	366.1	361.0
82.5°	200.8	213.5	183.0	170.3	175.4	185.6	233.9	282.2	284.7	264.4	259.3
85°	124.6	142.4	114.4	111.9	111.9	114.4	142.4	155.1	142.4	127.1	132.2
87.5°	58.5	71.2	53.4	45.8	38.1	33.0	25.4	10.2	10.2	5.1	5.1
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)