

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: P1210655

Luminaire Tested: **ARCH3-190-730-U-T3RE**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1210655
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: ARCH3-190-730-U-T3RE
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 3000K, 1440mA LIGHTSQUARE WITH 40 LEDS AND TYPE III ROADWAY
ILLUMINANCE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23887 lumens
Efficiency: N/A
Efficacy: 126.1 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): 189.4
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

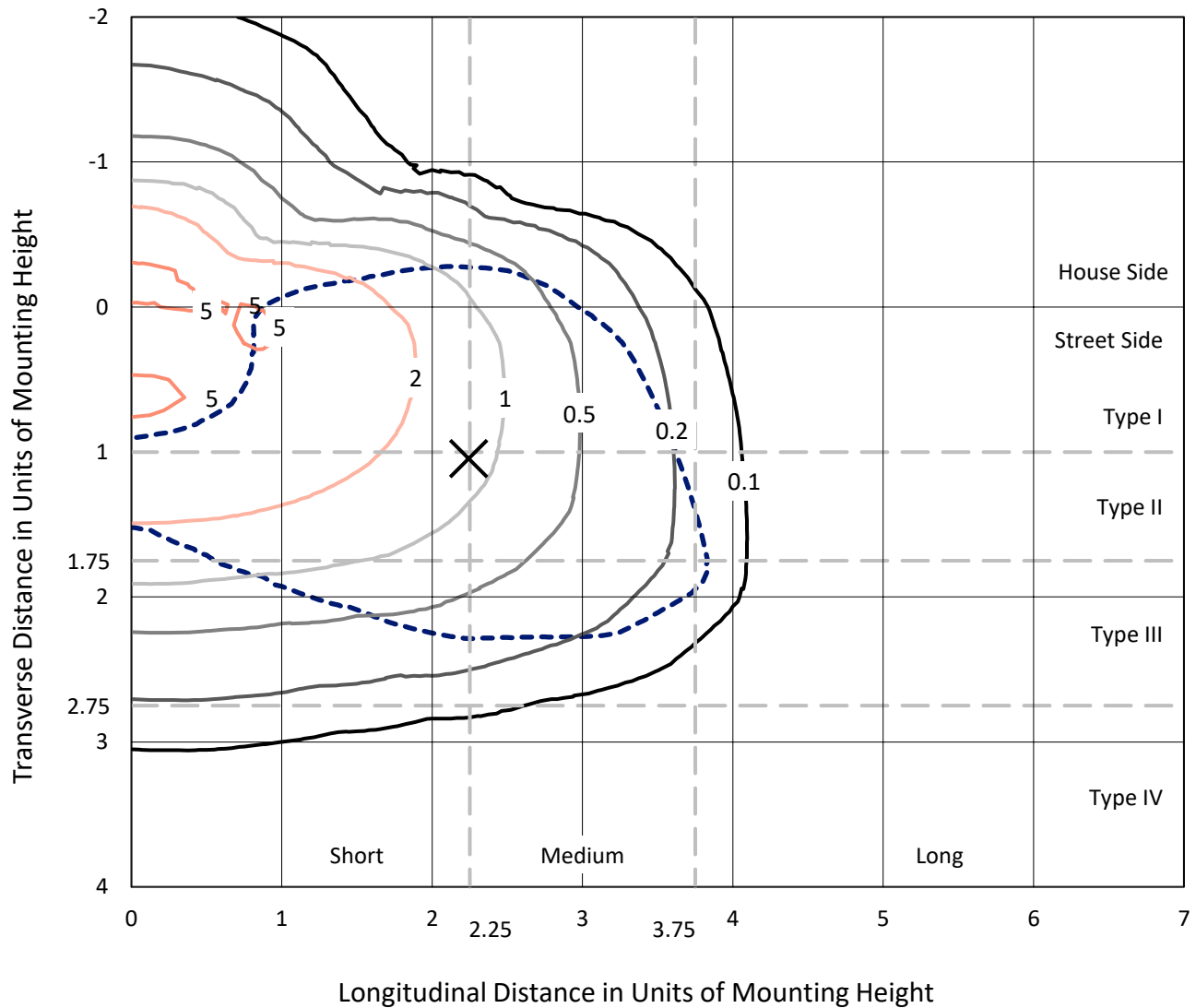


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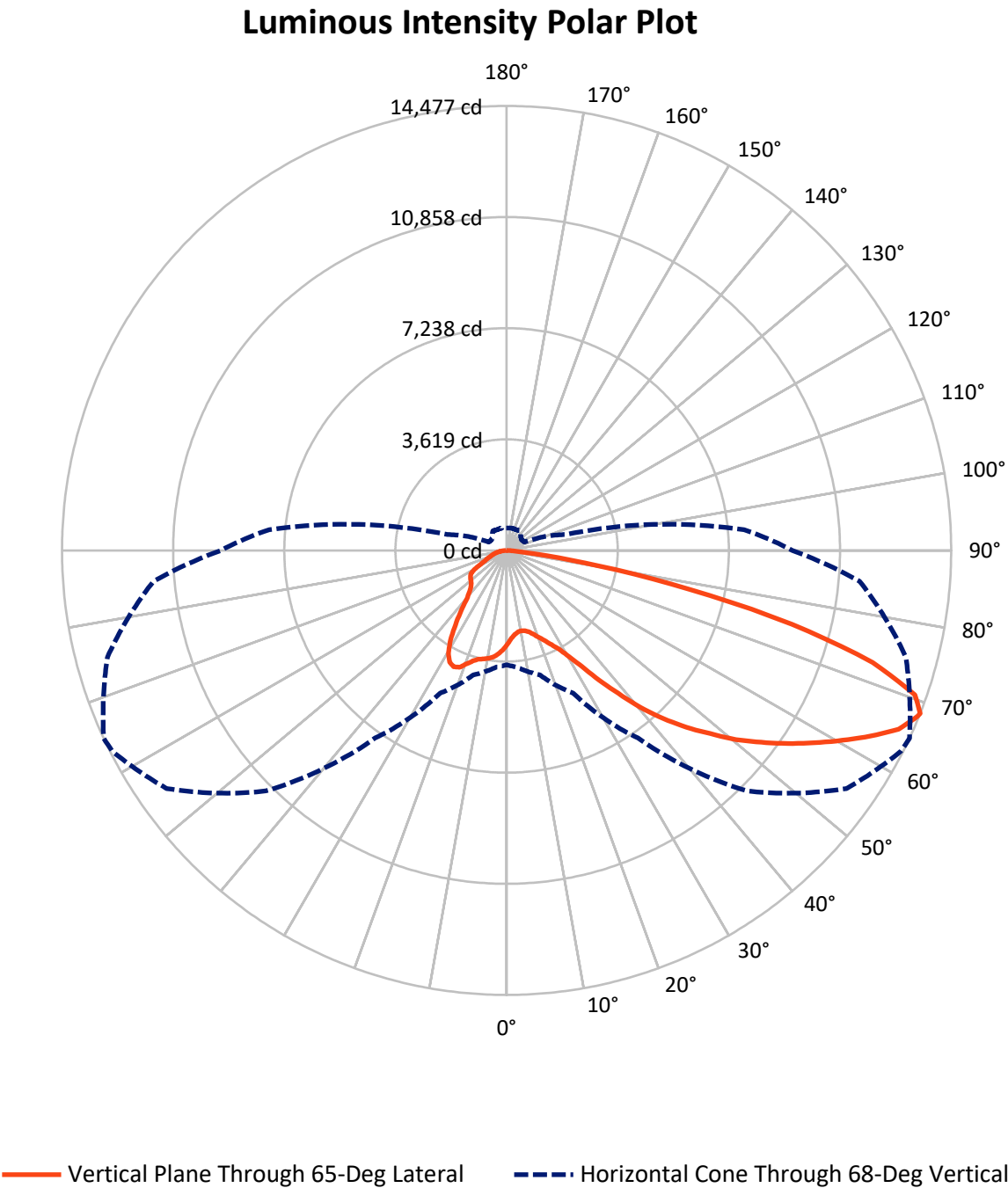
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.6 fc
Type III - Short - N/A

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5856.4	0.0	5856.4
	% Fixture	24.5	0.0	24.5
Street Side	Lumens	18030.6	0.0	18030.6
	% Fixture	75.5	0.0	75.5
Total	Lumens	23887.0	0.0	23887.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	291.7	1.2
10°-20°	949.8	4.0
20°-30°	1719.2	7.2
30°-40°	2704.4	11.3
40°-50°	4027.9	16.9
50°-60°	5283.8	22.1
60°-70°	5778.2	24.2
70°-80°	2859.2	12.0
80°-90°	272.7	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°	23887.0	100.0
0°-180°	23887.0	100.0

Coefficient of Utilization



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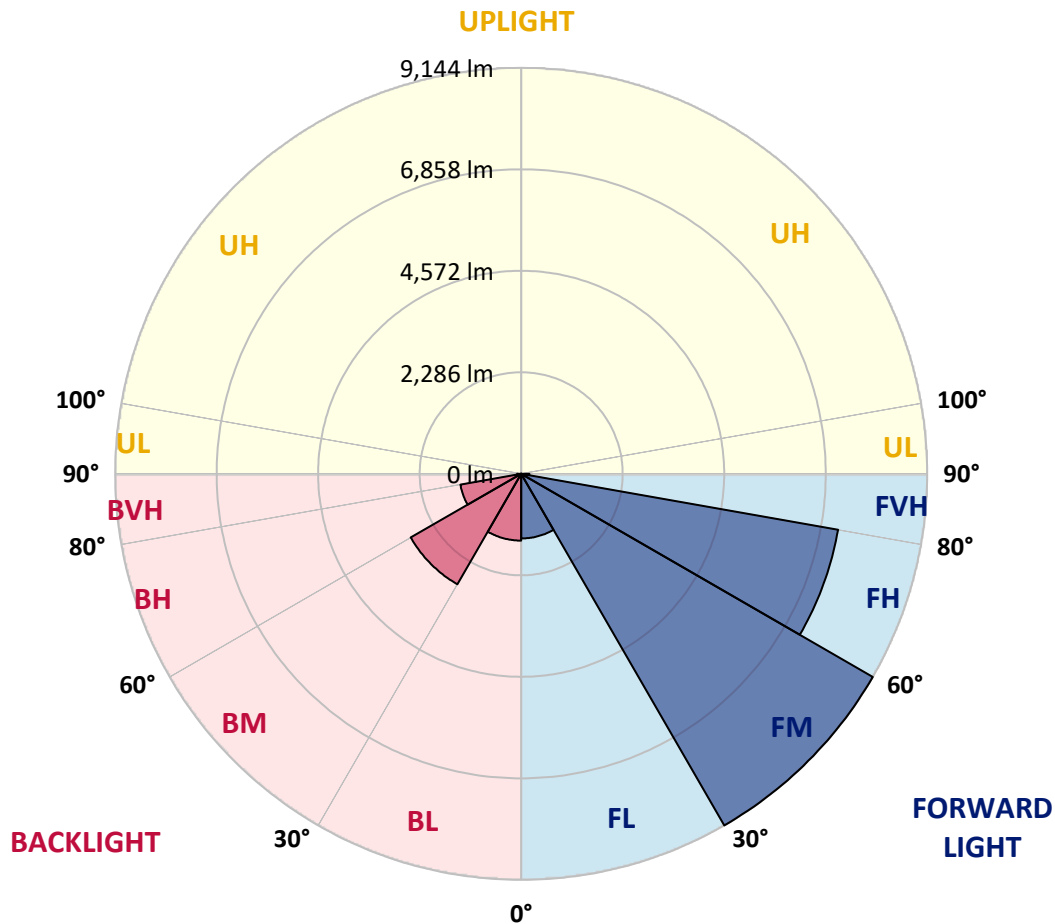
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1456.2	6.1			
FM	(30°-60°)	9143.6	38.3			
FH	(60°-80°)	7247.4	30.3			G3/7500
FVH	(80°-90°)	183.4	0.8			G2/225
BL	(0°-30°)	1504.6	6.3	B3/2500		
BM	(30°-60°)	2872.5	12.0	B3/5000		
BH	(60°-80°)	1390.0	5.8	B3/2500		G3/2500
BVH	(80°-90°)	89.3	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°	3052.5	3052.5	3052.5	3052.5	3052.5	3052.5	3052.5	3052.5	3052.5	3052.5	3052.5
2.5°	2664.4	2658.2	2673.6	2689.0	2722.9	2762.9	2818.4	2864.6	2870.7	2957.0	3024.7
5°	2507.3	2498.0	2513.4	2531.9	2547.3	2596.6	2655.1	2722.9	2750.6	2876.9	3021.7
7.5°	2522.7	2519.6	2525.8	2519.6	2519.6	2541.2	2581.2	2649.0	2679.8	2830.7	3037.1
10°	2612.0	2618.2	2621.2	2602.8	2584.3	2575.0	2587.4	2633.6	2655.1	2833.8	3104.8
12.5°	2759.9	2769.1	2772.2	2738.3	2713.6	2673.6	2652.0	2670.5	2685.9	2864.6	3200.3
15°	2960.1	2966.2	2944.7	2923.1	2861.5	2812.2	2759.9	2744.4	2750.6	2929.3	3308.1
17.5°	3194.2	3184.9	3184.9	3132.6	3052.5	2975.5	2889.2	2876.9	2876.9	3034.0	3462.1
20°	3449.8	3459.1	3431.3	3360.5	3280.4	3160.3	3074.0	3018.6	3024.7	3154.1	3650.0
22.5°	3819.4	3834.8	3760.9	3659.3	3536.1	3397.4	3274.2	3184.9	3188.0	3311.2	3844.1
25°	4216.8	4222.9	4176.7	4041.2	3874.9	3677.7	3514.5	3400.5	3397.4	3486.8	4093.6
27.5°	4623.4	4651.1	4558.7	4429.3	4275.3	4028.9	3813.3	3659.3	3634.6	3754.8	4404.7
30°	5042.3	5076.2	4986.8	4860.5	4669.6	4460.1	4204.5	4025.8	4010.4	4170.6	4820.5
32.5°	5464.3	5473.5	5402.7	5297.9	5125.4	4928.3	4721.9	4524.8	4509.4	4771.2	5359.5
35°	5809.2	5837.0	5787.7	5763.0	5636.7	5455.0	5254.8	5140.8	5180.9	5516.6	6058.7
37.5°	6225.1	6252.8	6197.3	6191.2	6151.1	5994.0	5855.4	5864.7	5904.7	6360.6	6794.9
40°	6825.7	6856.5	6714.8	6653.2	6653.2	6499.2	6453.0	6671.7	6724.1	7192.2	7561.9
42.5°	7333.9	7383.2	7300.0	7260.0	7139.9	7032.1	7087.5	7395.5	7484.9	7986.9	8230.3
45°	7580.3	7617.3	7715.9	7832.9	7715.9	7528.0	7737.4	8085.5	8211.8	8720.0	8898.7
47.5°	7712.8	7746.7	7860.6	8174.8	8254.9	8097.8	8393.5	8827.8	8914.1	9446.9	9536.3
50°	7731.3	7839.1	7986.9	8301.1	8667.7	8689.2	9052.7	9582.5	9684.1	10161.5	10096.9
52.5°	7580.3	7623.5	7928.4	8458.2	8864.8	9234.4	9770.4	10306.3	10380.2	10833.0	10592.8
55°	7333.9	7395.5	7700.5	8421.2	9055.8	9751.9	10500.4	11017.8	11101.0	11486.0	11051.7
57.5°	7112.2	7143.0	7469.5	8313.4	9246.7	10269.4	11150.3	11760.2	11815.6	12058.9	11390.5
60°	6865.7	6899.6	7226.1	8082.4	9388.4	10660.5	11827.9	12508.7	12557.9	12662.7	11784.8
62.5°	6228.1	6317.5	6727.1	7700.5	9351.5	11107.2	12551.8	13247.9	13309.5	13195.5	12095.9
65°	5057.7	5184.0	5686.0	6834.9	9006.5	11396.7	13143.2	13928.6	14033.3	13596.0	12179.1
67.5°	3927.2	4016.6	4420.1	5424.2	7796.0	11251.9	13525.1	14396.8	14427.6	13531.3	11717.0
68°	3723.9	3813.3	4198.3	5128.5	7460.2	11079.4	13515.9	14409.1	14476.9	13460.4	11538.4
70°	2849.2	2950.8	3317.4	4062.8	6012.5	9982.9	12952.2	14113.4	14104.2	12604.1	10429.5
72.5°	1780.3	1838.9	2091.4	2562.7	3976.5	7595.7	10993.2	12447.0	12471.7	10275.5	7999.3
75°	1130.4	1130.4	1118.1	1241.3	2039.1	4327.7	8171.7	9582.5	9601.0	7195.3	5042.3
77.5°	982.6	954.9	822.4	696.1	813.2	1681.8	4835.9	6188.1	6086.5	3874.9	2393.3
80°	828.6	782.4	674.6	560.6	523.6	526.7	1857.4	3141.8	3006.3	1395.3	794.7
82.5°	597.6	557.5	508.2	440.5	403.5	314.2	388.1	908.7	887.1	403.5	258.7
85°	323.4	292.6	286.5	289.5	243.3	194.1	163.3	200.2	200.2	175.6	147.8
87.5°	114.0	83.2	98.6	110.9	95.5	80.1	64.7	77.0	80.1	77.0	70.8
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°	3052.5	3052.5	3052.5	3052.5	3052.5	3052.5	3052.5	3052.5	3052.5	3052.5	3052.5
2.5°	3064.8	3095.6	3169.5	3234.2	3280.4	3320.4	3342.0	3351.2	3372.8	3375.9	3369.7
5°	3089.4	3169.5	3280.4	3375.9	3428.3	3449.8	3456.0	3459.1	3449.8	3456.0	3449.8
7.5°	3154.1	3255.8	3412.9	3496.0	3505.3	3471.4	3474.5	3462.1	3474.5	3486.8	3486.8
10°	3252.7	3382.0	3529.9	3560.7	3520.7	3502.2	3539.1	3613.1	3637.7	3671.6	3671.6
12.5°	3382.0	3536.1	3640.8	3613.1	3576.1	3637.7	3745.5	3819.4	3844.1	3856.4	3847.2
15°	3529.9	3696.2	3748.6	3656.2	3723.9	3856.4	3893.4	3850.2	3788.6	3760.9	3776.3
17.5°	3717.8	3856.4	3825.6	3764.0	3918.0	3936.5	3816.4	3677.7	3579.2	3542.2	3566.9
20°	3914.9	4035.0	3893.4	3921.1	4016.6	3819.4	3591.5	3412.9	3326.6	3311.2	3335.8
22.5°	4124.4	4201.4	3961.1	4102.8	3961.1	3560.7	3286.6	3194.2	3172.6	3197.2	3218.8
25°	4361.5	4352.3	4078.2	4158.3	3754.8	3243.4	3080.2	3074.0	3074.0	3089.4	3120.2
27.5°	4629.5	4484.8	4195.2	4084.3	3397.4	2981.6	2950.8	2953.9	2944.7	2947.7	2963.1
30°	4940.6	4663.4	4324.6	3841.0	2997.0	2784.5	2772.2	2762.9	2741.4	2735.2	2741.4
32.5°	5331.8	4851.3	4457.0	3440.6	2645.9	2581.2	2575.0	2525.8	2473.4	2467.2	2488.8
35°	5827.7	5193.2	4524.8	2938.5	2356.3	2353.3	2331.7	2254.7	2186.9	2186.9	2171.5
37.5°	6394.5	5633.7	4552.5	2448.8	2116.1	2131.5	2069.9	1971.3	1919.0	1888.2	1897.4
40°	6973.5	6135.7	4549.4	2020.6	1906.6	1909.7	1863.5	1743.4	1614.0	1537.0	1555.5
42.5°	7531.1	6591.6	4469.4	1792.7	1737.2	1728.0	1691.0	1527.8	1420.0	1358.4	1361.4
45°	7977.7	7062.9	4346.1	1657.1	1583.2	1598.6	1515.5	1416.9	1318.3	1262.9	1259.8
47.5°	8424.3	7420.2	4149.0	1574.0	1469.3	1441.5	1407.6	1339.9	1266.0	1204.4	1207.4
50°	8830.9	7725.1	3964.2	1518.5	1364.5	1293.7	1299.8	1259.8	1195.1	1139.7	1136.6
52.5°	9117.4	7925.3	3862.6	1487.7	1238.2	1161.2	1182.8	1161.2	1099.6	1059.6	1056.5
55°	9403.8	8079.3	3896.4	1447.7	1099.6	1038.0	1075.0	1068.8	1034.9	1022.6	1025.7
57.5°	9634.8	8196.4	4016.6	1373.8	967.2	930.2	991.8	973.3	948.7	951.8	951.8
60°	9859.7	8347.3	4158.3	1204.4	853.2	856.3	914.8	880.9	865.5	893.3	896.3
62.5°	10093.8	8510.6	4041.2	957.9	754.6	776.2	844.0	816.3	822.4	862.5	874.8
65°	10066.1	8495.2	3292.7	785.4	668.4	711.5	813.2	803.9	807.0	822.4	828.6
67.5°	9499.3	7953.1	2263.9	668.4	606.8	659.2	788.5	751.6	754.6	745.4	748.5
68°	9308.3	7762.1	1996.0	649.9	594.5	646.8	776.2	742.3	745.4	736.2	733.1
70°	8267.2	6647.0	1262.9	572.9	551.4	613.0	714.6	702.3	699.2	693.0	693.0
72.5°	6302.1	4906.7	665.3	495.9	502.1	560.6	637.6	662.2	646.8	649.9	668.4
75°	4173.7	2950.8	462.0	425.1	440.5	480.5	566.8	616.0	600.6	609.9	600.6
77.5°	2208.5	1589.4	369.6	360.4	360.4	388.1	468.2	545.2	545.2	539.0	529.8
80°	723.8	560.6	295.7	283.4	289.5	304.9	375.8	446.6	455.9	443.5	437.4
82.5°	243.3	258.7	221.8	206.4	212.5	224.9	283.4	341.9	345.0	320.3	314.2
85°	150.9	172.5	138.6	135.5	135.5	138.6	172.5	187.9	172.5	154.0	160.2
87.5°	70.8	86.2	64.7	55.4	46.2	40.0	30.8	12.3	12.3	6.2	6.2
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)