

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: P1210645

Luminaire Tested: **ARCH3-190-722-U-T2RE**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1210645
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: ARCH3-190-722-U-T2RE
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 2200K, 1440mA LIGHTSQUARE WITH 40 LEDS AND TYPE II ROADWAY
ILLUMINANCE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20944 lumens
Efficiency: N/A
Efficacy: 110.6 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): 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



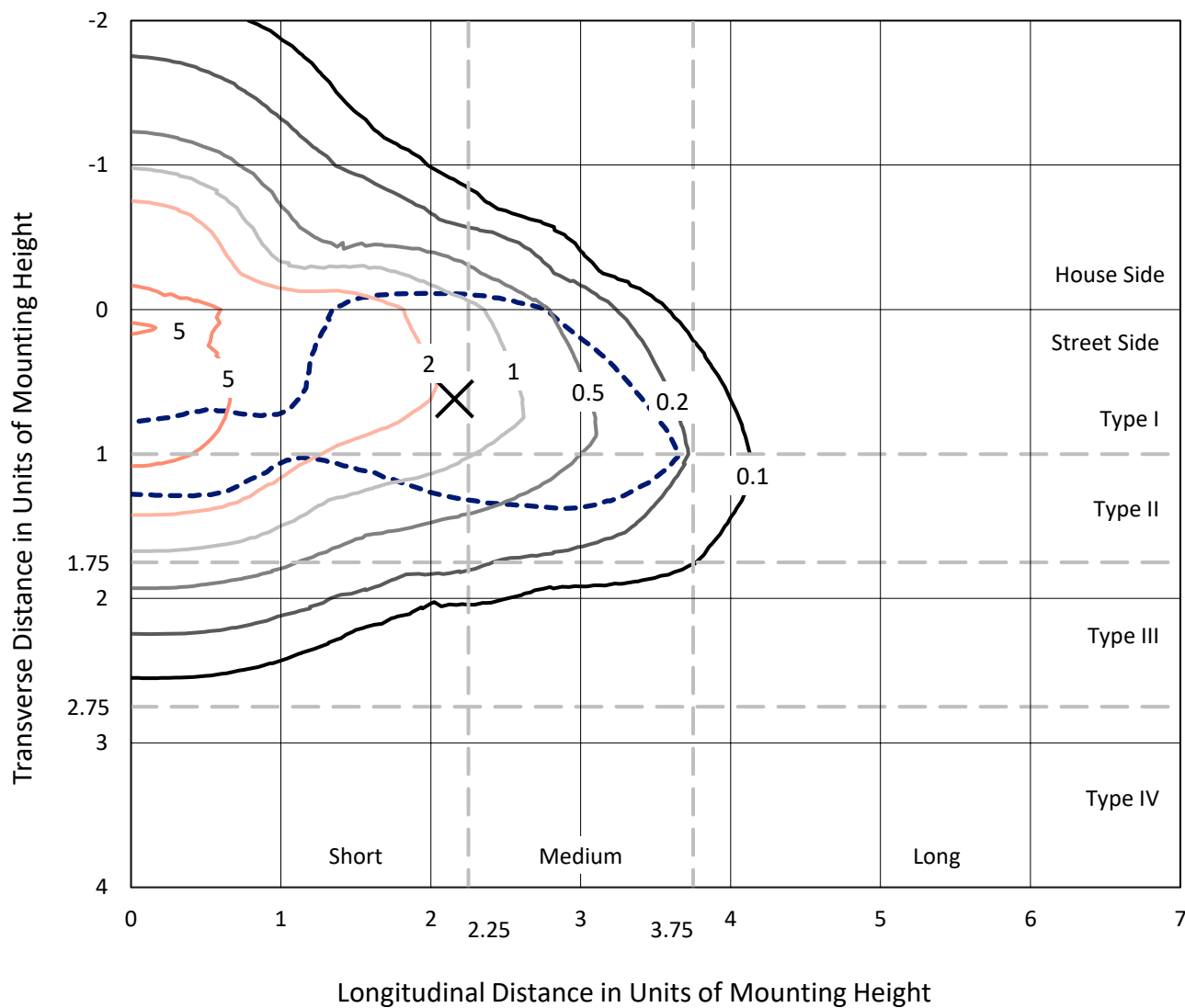
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Iso-Footcandle Lines of Horizontal Illumination

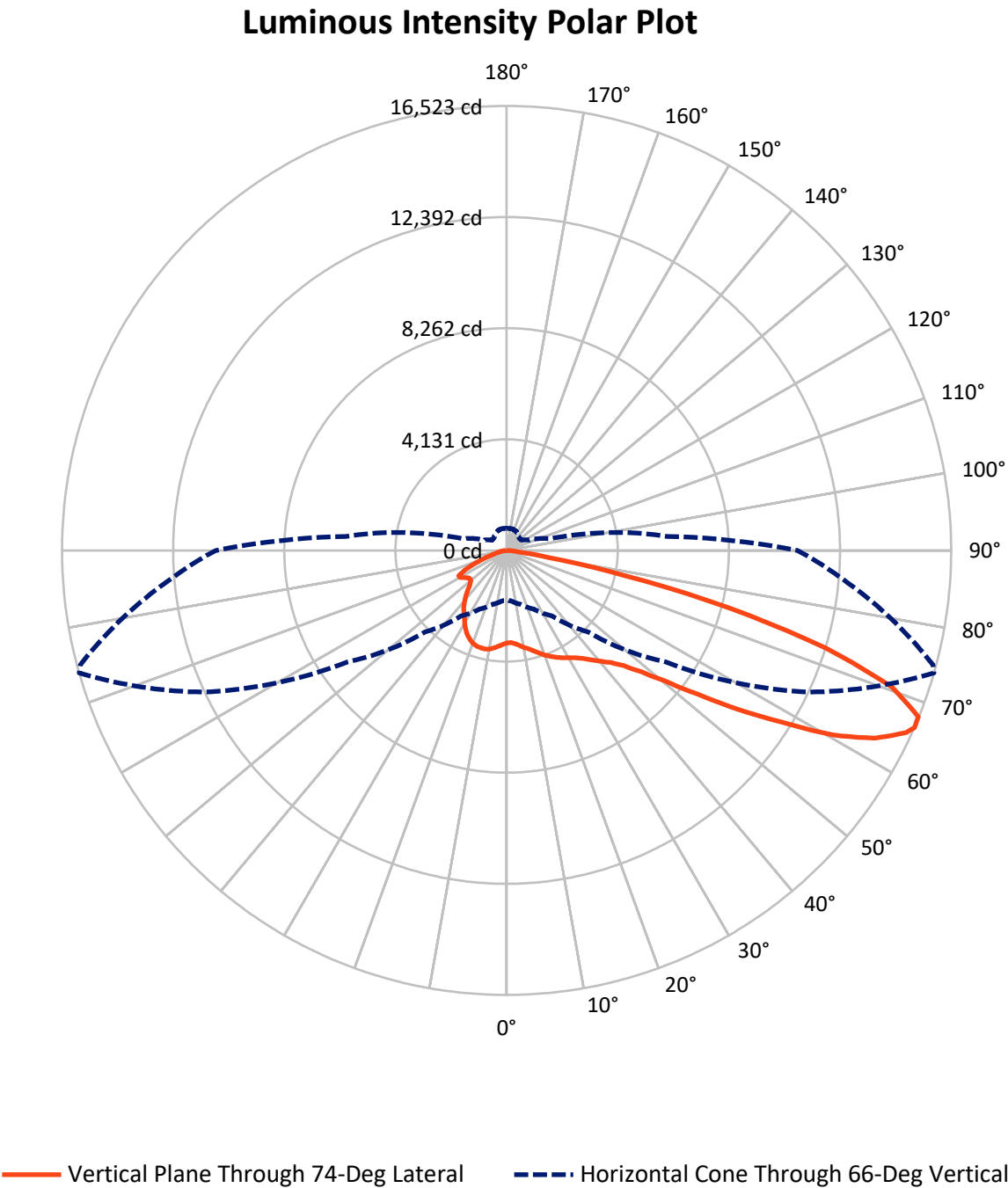
✕ Max cd

--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.6 fc
Type II - Short - N/A

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5100.4	0.0	5100.4
	% Fixture	24.4	0.0	24.4
Street Side	Lumens	15843.6	0.0	15843.6
	% Fixture	75.6	0.0	75.6
Total	Lumens	20944.0	0.0	20944.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	327.5	1.6
10°-20°	1007.2	4.8
20°-30°	1890.0	9.0
30°-40°	2907.3	13.9
40°-50°	3910.5	18.7
50°-60°	4624.6	22.1
60°-70°	4278.0	20.4
70°-80°	1799.7	8.6
80°-90°	199.1	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°	20944.0	100.0
0°-180°	20944.0	100.0

Coefficient of Utilization



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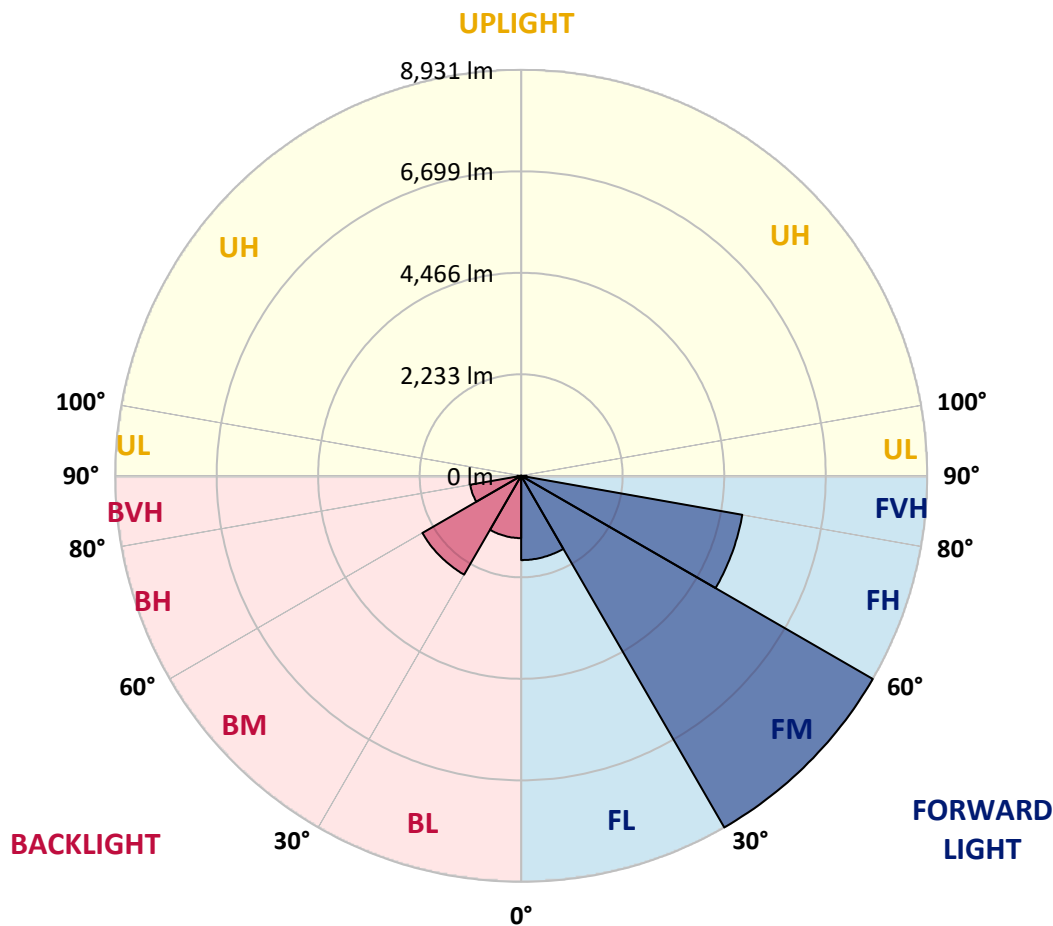
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1853.8	8.9			
FM	(30°-60°)	8931.4	42.6			
FH	(60°-80°)	4939.2	23.6			G2/5000
FVH	(80°-90°)	119.2	0.6			G2/225
BL	(0°-30°)	1370.9	6.5	B3/2500		
BM	(30°-60°)	2510.9	12.0	B3/5000		
BH	(60°-80°)	1138.6	5.4	B3/2500		G3/2500
BVH	(80°-90°)	80.0	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°	3433.4	3433.4	3433.4	3433.4	3433.4	3433.4	3433.4	3433.4	3433.4	3433.4	3433.4
2.5°	3422.6	3417.2	3428.0	3444.2	3452.3	3438.8	3433.4	3430.7	3430.7	3422.6	3436.1
5°	3260.9	3258.2	3282.5	3312.1	3368.7	3409.2	3463.1	3495.4	3484.6	3468.5	3479.2
7.5°	3050.7	3045.3	3075.0	3131.6	3209.7	3298.7	3430.7	3533.1	3573.6	3568.2	3565.5
10°	3131.6	3126.2	3123.5	3107.3	3134.3	3220.5	3358.0	3538.5	3676.0	3678.7	3681.4
12.5°	3411.9	3425.3	3411.9	3360.7	3301.4	3269.0	3349.9	3552.0	3762.2	3778.4	3845.8
15°	3794.5	3781.1	3754.1	3694.8	3603.2	3506.2	3446.9	3614.0	3886.2	3899.7	4047.9
17.5°	4131.4	4142.2	4126.0	4069.4	3961.6	3835.0	3654.4	3721.8	4018.2	4056.0	4263.5
20°	4497.9	4541.1	4519.5	4449.4	4360.5	4171.8	3945.5	3878.1	4163.8	4190.7	4487.2
22.5°	4921.1	4966.9	4926.4	4859.1	4786.3	4554.5	4263.5	4069.4	4285.0	4341.6	4702.8
25°	5427.7	5470.8	5433.1	5328.0	5236.4	4953.4	4605.7	4285.0	4403.6	4465.6	4877.9
27.5°	5829.3	5861.6	5896.6	5834.7	5694.5	5400.8	4961.5	4508.7	4522.2	4586.9	5039.6
30°	6187.7	6268.5	6298.2	6306.3	6187.7	5858.9	5325.3	4740.5	4624.6	4692.0	5201.3
32.5°	6678.2	6799.5	6751.0	6799.5	6729.4	6290.1	5702.6	4980.3	4756.7	4818.6	5354.9
35°	7395.1	7492.1	7365.4	7327.7	7214.5	6726.7	6066.4	5228.3	4931.8	4999.2	5500.5
37.5°	8165.8	8276.3	8093.1	7942.1	7726.5	7157.9	6379.0	5554.4	5174.4	5228.3	5635.2
40°	8839.6	8931.2	8772.2	8572.8	8211.6	7537.9	6648.5	5783.4	5416.9	5484.3	5791.5
42.5°	9462.1	9521.4	9343.5	9152.2	8669.8	7880.2	6939.6	6026.0	5699.9	5764.6	5918.2
45°	10092.7	10138.6	9890.6	9618.4	9052.5	8192.8	7260.3	6365.6	6114.9	6201.2	6123.0
47.5°	10205.9	10219.4	10176.3	9993.0	9354.3	8491.9	7656.5	6821.0	6748.3	6842.6	6476.1
50°	9421.7	9543.0	9809.8	9990.3	9475.6	8742.5	8052.6	7473.2	7621.4	7742.7	7209.1
52.5°	7899.0	8014.9	8632.1	9316.6	9184.5	8799.1	8478.4	8300.6	8853.0	8998.6	8206.2
55°	6292.8	6395.2	7047.4	8033.8	8244.0	8540.4	8933.9	9357.0	10424.2	10521.2	9300.4
57.5°	5182.5	5239.1	5705.3	6653.9	6990.8	7713.1	9179.1	10612.9	12022.4	12170.6	10251.7
60°	4250.0	4312.0	4659.6	5441.2	5888.6	6530.0	8985.1	11852.6	13930.4	13930.4	11472.6
62.5°	3199.0	3252.9	3576.3	4188.0	4939.9	5527.4	8365.3	12674.5	15369.5	15304.9	12356.5
65°	2196.4	2239.5	2474.0	2880.9	3557.4	4710.8	7519.0	12685.3	16323.6	16237.3	12733.8
66°	1843.4	1881.1	2080.5	2409.3	2978.0	4274.3	7219.9	12456.2	16523.0	16401.7	12574.8
67.5°	1455.3	1482.2	1614.3	1808.3	2182.9	3460.4	6748.3	11806.8	16504.1	16431.4	12170.6
70°	1040.3	1059.1	1156.2	1196.6	1290.9	2002.4	5360.3	10340.7	15180.9	15202.4	10580.5
72.5°	805.8	835.4	894.7	902.8	881.3	1064.5	3252.9	8626.7	12418.5	12410.4	7853.2
75°	649.5	665.7	695.3	711.5	706.1	687.2	1377.1	6435.6	8548.5	8648.2	4398.2
77.5°	512.0	509.4	536.3	557.9	574.0	539.0	630.6	3773.0	4481.8	4355.1	1652.0
80°	377.3	377.3	415.0	423.1	447.4	452.8	420.4	1455.3	1538.8	1398.7	428.5
82.5°	247.9	247.9	288.4	293.8	318.0	353.0	304.5	436.6	425.8	404.2	194.0
85°	134.7	129.4	142.8	161.7	175.2	207.5	183.3	218.3	223.7	221.0	129.4
87.5°	26.9	24.3	37.7	43.1	48.5	64.7	59.3	88.9	124.0	121.3	56.6
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°	3433.4	3433.4	3433.4	3433.4	3433.4	3433.4	3433.4	3433.4	3433.4	3433.4	3433.4
2.5°	3455.0	3452.3	3481.9	3517.0	3557.4	3581.6	3592.4	3611.3	3597.8	3603.2	3619.4
5°	3506.2	3514.3	3557.4	3603.2	3622.1	3608.6	3578.9	3568.2	3543.9	3538.5	3533.1
7.5°	3581.6	3595.1	3638.2	3649.0	3592.4	3498.1	3430.7	3393.0	3352.6	3341.8	3336.4
10°	3705.6	3713.7	3724.5	3614.0	3473.8	3347.2	3263.6	3228.6	3201.6	3180.1	3185.5
12.5°	3861.9	3856.5	3773.0	3543.9	3344.5	3215.1	3158.5	3137.0	3118.1	3104.6	3101.9
15°	4058.7	4020.9	3781.1	3446.9	3223.2	3115.4	3075.0	3066.9	3045.3	3045.3	3042.6
17.5°	4258.1	4161.1	3775.7	3344.5	3107.3	3048.0	3023.8	3018.4	3013.0	3010.3	3018.4
20°	4457.5	4285.0	3732.6	3217.8	3026.5	2991.4	2986.0	2988.7	2983.4	2991.4	2986.0
22.5°	4632.7	4365.9	3651.7	3083.1	2969.9	2967.2	2953.7	2959.1	2978.0	2980.7	2988.7
25°	4767.4	4395.5	3533.1	2959.1	2929.5	2924.1	2940.2	2961.8	2978.0	2980.7	2994.1
27.5°	4877.9	4379.4	3384.9	2862.1	2859.4	2889.0	2937.5	2945.6	2948.3	2948.3	2937.5
30°	4961.5	4344.3	3196.3	2754.3	2767.8	2840.5	2886.3	2886.3	2864.8	2859.4	2875.6
32.5°	4980.3	4298.5	2991.4	2643.8	2665.3	2751.6	2808.2	2789.3	2765.1	2765.1	2775.8
35°	4996.5	4236.5	2827.0	2492.9	2525.2	2627.6	2681.5	2643.8	2616.8	2608.8	2606.1
37.5°	4991.1	4212.3	2678.8	2301.5	2344.6	2444.4	2479.4	2444.4	2403.9	2385.1	2409.3
40°	4996.5	4196.1	2492.9	2091.3	2134.4	2193.7	2239.5	2212.6	2174.9	2126.3	2150.6
42.5°	5028.9	4217.7	2288.0	1886.5	1886.5	1918.8	1997.0	1978.1	1886.5	1867.6	1889.2
45°	5201.3	4333.5	2083.2	1681.7	1652.0	1673.6	1754.4	1673.6	1617.0	1617.0	1635.9
47.5°	5619.1	4549.1	1902.7	1501.1	1431.0	1474.2	1495.7	1420.3	1377.1	1366.4	1385.2
50°	6470.7	4980.3	1794.9	1352.9	1266.6	1299.0	1285.5	1282.8	1239.7	1245.1	1255.9
52.5°	7764.3	5821.2	1762.5	1280.1	1172.3	1180.4	1166.9	1172.3	1164.2	1191.2	1199.3
55°	9173.7	6707.8	1802.9	1290.9	1107.6	1051.0	1056.4	1083.4	1115.7	1158.8	1166.9
57.5°	10227.5	7152.5	1908.1	1363.7	1026.8	940.6	954.0	1005.2	1067.2	1102.3	1121.1
60°	11011.7	7098.6	2061.7	1382.5	929.8	840.8	865.1	940.6	994.5	1024.1	1043.0
62.5°	11267.8	6761.7	2099.4	1245.1	803.1	746.5	805.8	884.0	908.2	940.6	954.0
65°	11057.5	6284.7	1824.5	1010.6	706.1	676.4	762.7	822.0	854.3	870.5	873.2
66°	10809.6	5999.0	1676.3	919.0	671.1	654.9	746.5	795.0	827.4	824.7	827.4
67.5°	10265.2	5400.8	1436.4	789.6	619.8	622.5	719.6	751.9	762.7	754.6	754.6
70°	8413.8	3802.6	1029.5	598.3	544.4	582.1	646.8	654.9	679.1	668.4	668.4
72.5°	5187.9	1867.6	689.9	458.1	485.1	544.4	541.7	568.6	625.2	641.4	652.2
75°	2549.5	757.3	455.5	388.1	433.9	455.5	450.1	517.4	598.3	668.4	692.6
77.5°	967.5	377.3	318.0	339.6	350.3	342.3	358.4	468.9	598.3	725.0	749.2
80°	299.1	261.4	250.6	280.3	264.1	250.6	269.5	388.1	506.7	549.8	549.8
82.5°	180.6	204.8	194.0	191.3	177.9	180.6	194.0	277.6	390.8	409.6	409.6
85°	126.7	134.7	110.5	105.1	102.4	99.7	99.7	161.7	231.8	229.1	237.2
87.5°	48.5	53.9	40.4	40.4	37.7	26.9	21.6	26.9	26.9	18.9	13.5
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)