

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: P1211157

Luminaire Tested: **ARCH4-190-722-U-T2RE**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1211157
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: ARCH4-190-722-U-T2RE
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 2200K, 1530mA LIGHTSQUARES WITH 40 LEDS EACH AND TYPE II
ROADWAY ILLUMINANCE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25268 lumens
Efficiency: N/A
Efficacy: 133.0 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 0.58' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

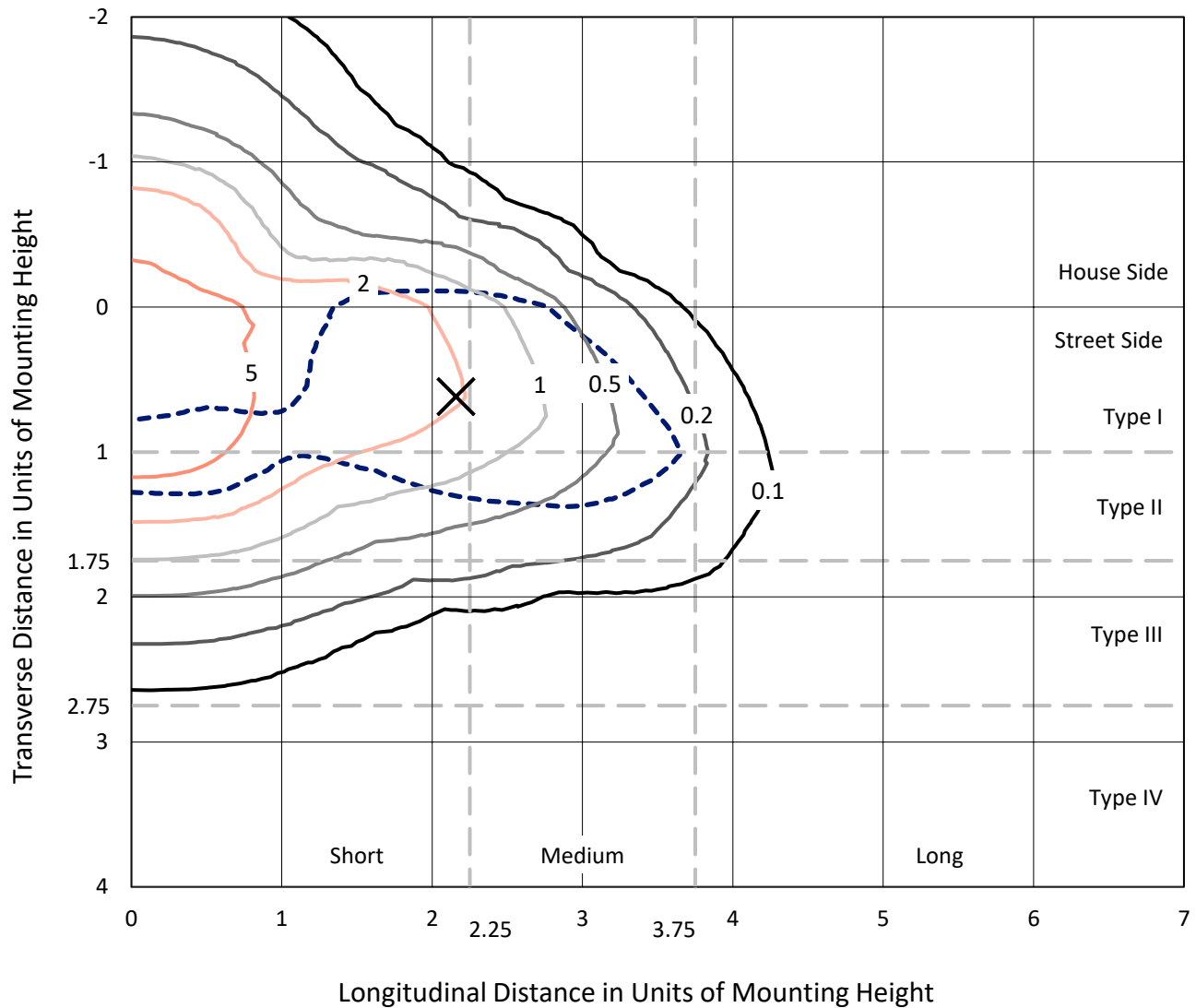
Input Watts (W): 190
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

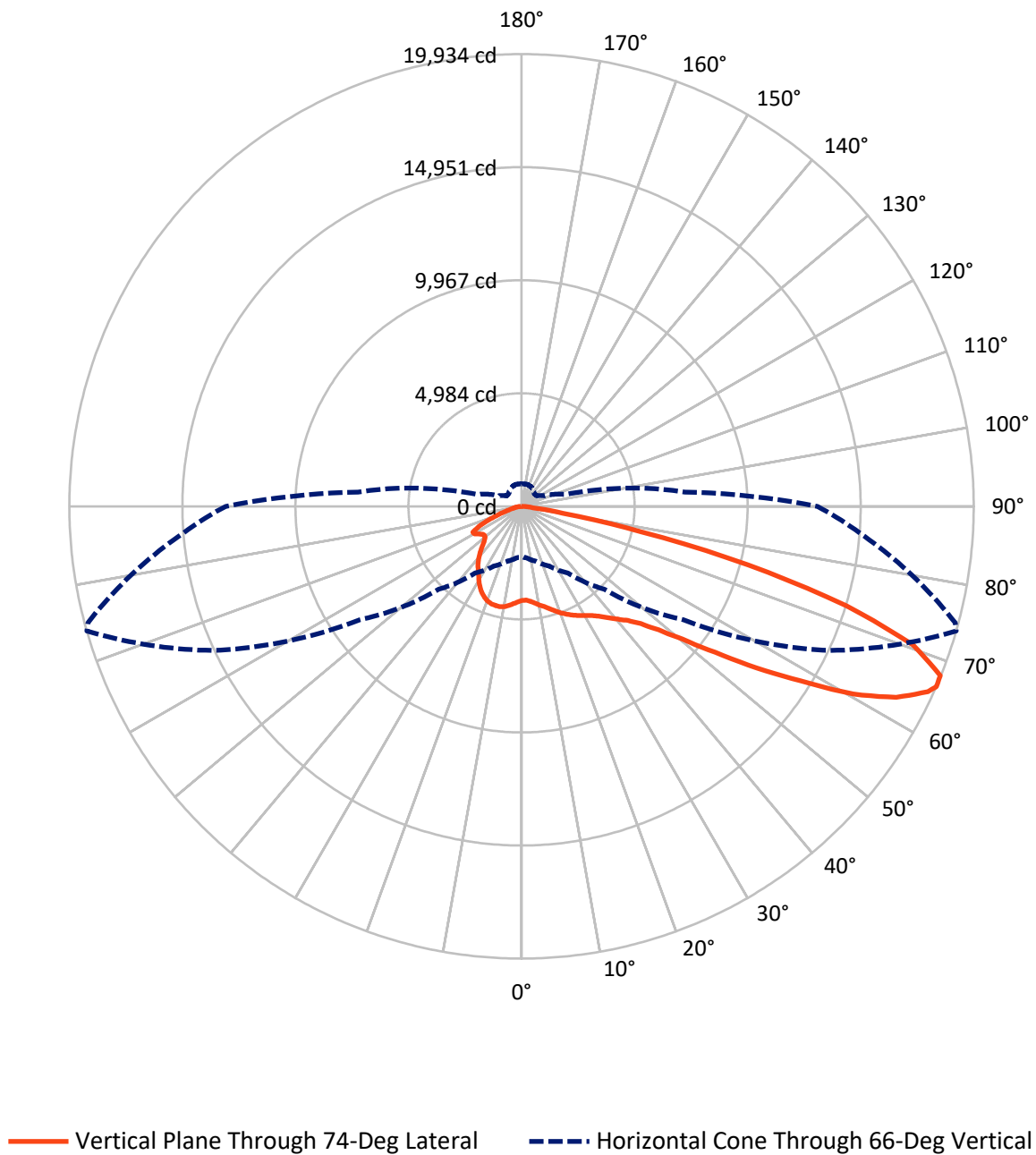


Based on 25 foot mounting height. Maximum calculated value = 7.9 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6153.4	0.0	6153.4
	% Fixture	24.4	0.0	24.4
Street Side	Lumens	19114.6	0.0	19114.6
	% Fixture	75.6	0.0	75.6
Total	Lumens	25268.0	0.0	25268.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	395.1	1.6
10°-20°	1215.1	4.8
20°-30°	2280.2	9.0
30°-40°	3507.5	13.9
40°-50°	4717.8	18.7
50°-60°	5579.4	22.1
60°-70°	5161.3	20.4
70°-80°	2171.3	8.6
80°-90°	240.3	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°	25268.0	100.0
0°-180°	25268.0	100.0

Coefficient of Utilization



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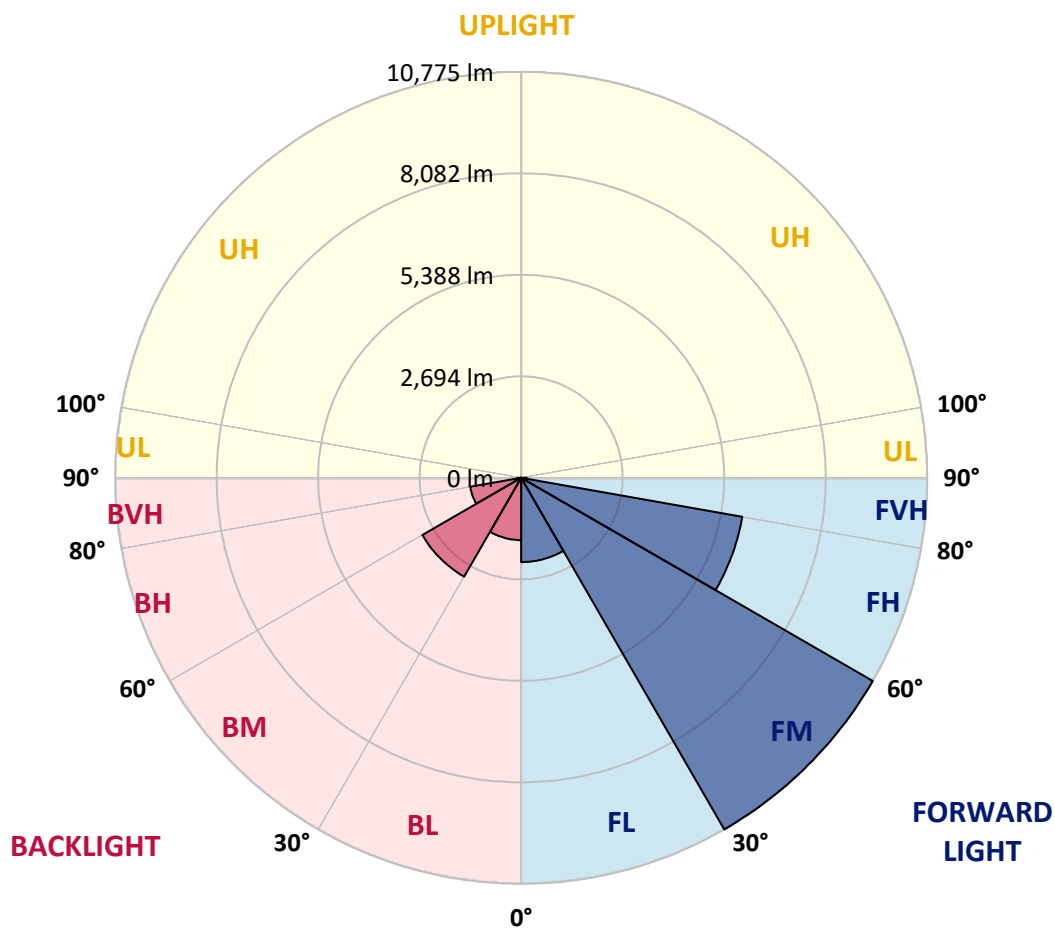
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2236.5	8.9			
FM	(30°-60°)	10775.4	42.6			
FH	(60°-80°)	5958.9	23.6			G3/7500
FVH	(80°-90°)	143.7	0.6			G2/225
BL	(0°-30°)	1653.9	6.5	B3/2500		
BM	(30°-60°)	3029.3	12.0	B3/5000		
BH	(60°-80°)	1373.7	5.4	B3/2500		G3/2500
BVH	(80°-90°)	96.5	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-G3

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	4142.3	4142.3	4142.3	4142.3	4142.3	4142.3	4142.3	4142.3	4142.3	4142.3	4142.3
2.5°	4129.3	4122.8	4135.8	4155.3	4165.0	4148.8	4142.3	4139.0	4139.0	4129.3	4145.5
5°	3934.2	3930.9	3960.2	3996.0	4064.2	4113.0	4178.0	4217.0	4204.0	4184.5	4197.5
7.5°	3680.6	3674.1	3709.8	3778.1	3872.4	3979.7	4139.0	4262.6	4311.3	4304.8	4301.6
10°	3778.1	3771.6	3768.4	3748.8	3781.4	3885.4	4051.2	4269.1	4434.9	4438.1	4441.4
12.5°	4116.3	4132.5	4116.3	4054.5	3982.9	3943.9	4041.5	4285.3	4538.9	4558.4	4639.7
15°	4578.0	4561.7	4529.2	4457.6	4347.1	4230.1	4158.5	4360.1	4688.5	4704.8	4883.6
17.5°	4984.4	4997.4	4977.9	4909.6	4779.5	4626.7	4408.9	4490.2	4847.8	4893.3	5143.7
20°	5426.6	5478.6	5452.6	5368.0	5260.7	5033.1	4760.0	4678.7	5023.4	5055.9	5413.6
22.5°	5937.0	5992.3	5943.5	5862.2	5774.5	5494.8	5143.7	4909.6	5169.7	5238.0	5673.7
25°	6548.3	6600.3	6554.8	6428.0	6317.4	5976.0	5556.6	5169.7	5312.8	5387.5	5885.0
27.5°	7032.7	7071.8	7114.0	7039.2	6870.2	6515.8	5985.8	5439.6	5455.8	5533.9	6080.1
30°	7465.2	7562.7	7598.5	7608.2	7465.2	7068.5	6424.7	5719.2	5579.4	5660.7	6275.2
32.5°	8056.9	8203.2	8144.7	8203.2	8118.7	7588.7	6879.9	6008.6	5738.7	5813.5	6460.5
35°	8921.8	9038.9	8886.0	8840.5	8704.0	8115.5	7318.9	6307.7	5950.0	6031.3	6636.1
37.5°	9851.7	9985.0	9763.9	9581.8	9321.7	8635.7	7696.0	6701.1	6242.7	6307.7	6798.6
40°	10664.5	10775.1	10583.3	10342.7	9907.0	9094.1	8021.2	6977.5	6535.3	6616.6	6987.2
42.5°	11415.6	11487.1	11272.6	11041.7	10459.7	9507.1	8372.3	7270.1	6876.7	6954.7	7140.0
45°	12176.4	12231.7	11932.6	11604.2	10921.4	9884.2	8759.2	7679.8	7377.4	7481.4	7387.1
47.5°	12313.0	12329.3	12277.2	12056.1	11285.6	10245.1	9237.2	8229.3	8141.5	8255.3	7813.1
50°	11366.8	11513.2	11835.0	12052.9	11431.9	10547.5	9715.1	9016.1	9194.9	9341.2	8697.5
52.5°	9529.8	9669.6	10414.2	11240.0	11080.7	10615.8	10228.9	10014.3	10680.8	10856.4	9900.5
55°	7592.0	7715.5	8502.4	9692.4	9946.0	10303.6	10778.3	11288.8	12576.4	12693.4	11220.5
57.5°	6252.4	6320.7	6883.2	8027.7	8434.1	9305.5	11074.2	12804.0	14504.4	14683.3	12368.3
60°	5127.4	5202.2	5621.6	6564.5	7104.3	7878.1	10840.1	14299.6	16806.4	16806.4	13841.1
62.5°	3859.4	3924.4	4314.6	5052.7	5959.8	6668.6	10092.3	15291.3	18542.7	18464.6	14907.6
65°	2649.9	2701.9	2984.8	3475.7	4291.8	5683.4	9071.4	15304.3	19693.6	19589.6	15362.8
66°	2223.9	2269.5	2510.1	2906.7	3592.8	5156.7	8710.5	15027.9	19934.2	19787.9	15171.0
67.5°	1755.7	1788.3	1947.6	2181.7	2633.6	4174.8	8141.5	14244.3	19911.5	19823.7	14683.3
70°	1255.0	1277.8	1394.8	1443.6	1557.4	2415.8	6467.0	12475.6	18315.1	18341.1	12764.9
72.5°	972.2	1007.9	1079.5	1089.2	1063.2	1284.3	3924.4	10407.7	14982.4	14972.6	9474.5
75°	783.6	803.1	838.9	858.4	851.9	829.1	1661.5	7764.3	10313.4	10433.7	5306.3
77.5°	617.8	614.5	647.0	673.0	692.5	650.3	760.8	4551.9	5407.1	5254.2	1993.1
80°	455.2	455.2	500.7	510.5	539.7	546.2	507.2	1755.7	1856.5	1687.5	517.0
82.5°	299.1	299.1	347.9	354.4	383.7	425.9	367.4	526.7	513.7	487.7	234.1
85°	162.6	156.1	172.3	195.1	211.3	250.4	221.1	263.4	269.9	266.6	156.1
87.5°	32.5	29.3	45.5	52.0	58.5	78.0	71.5	107.3	149.6	146.3	68.3
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°	4142.3	4142.3	4142.3	4142.3	4142.3	4142.3	4142.3	4142.3	4142.3	4142.3	4142.3
2.5°	4168.3	4165.0	4200.8	4243.1	4291.8	4321.1	4334.1	4356.9	4340.6	4347.1	4366.6
5°	4230.1	4239.8	4291.8	4347.1	4369.9	4353.6	4317.8	4304.8	4275.6	4269.1	4262.6
7.5°	4321.1	4337.3	4389.4	4402.4	4334.1	4220.3	4139.0	4093.5	4044.7	4031.7	4025.2
10°	4470.7	4480.4	4493.4	4360.1	4191.0	4038.2	3937.4	3895.2	3862.6	3836.6	3843.1
12.5°	4659.2	4652.7	4551.9	4275.6	4035.0	3878.9	3810.6	3784.6	3761.9	3745.6	3742.3
15°	4896.6	4851.1	4561.7	4158.5	3888.7	3758.6	3709.8	3700.1	3674.1	3674.1	3670.8
17.5°	5137.2	5020.1	4555.2	4035.0	3748.8	3677.3	3648.1	3641.6	3635.0	3631.8	3641.6
20°	5377.8	5169.7	4503.2	3882.2	3651.3	3609.0	3602.5	3605.8	3599.3	3609.0	3602.5
22.5°	5589.1	5267.2	4405.6	3719.6	3583.0	3579.8	3563.5	3570.0	3592.8	3596.0	3605.8
25°	5751.7	5303.0	4262.6	3570.0	3534.3	3527.8	3547.3	3573.3	3592.8	3596.0	3612.3
27.5°	5885.0	5283.5	4083.7	3453.0	3449.7	3485.5	3544.0	3553.8	3557.0	3557.0	3544.0
30°	5985.8	5241.2	3856.1	3322.9	3339.2	3427.0	3482.2	3482.2	3456.2	3449.7	3469.2
32.5°	6008.6	5186.0	3609.0	3189.6	3215.6	3319.7	3387.9	3365.2	3335.9	3335.9	3348.9
35°	6028.1	5111.2	3410.7	3007.5	3046.5	3170.1	3235.1	3189.6	3157.1	3147.3	3144.1
37.5°	6021.6	5081.9	3231.9	2776.7	2828.7	2949.0	2991.3	2949.0	2900.2	2877.5	2906.7
40°	6028.1	5062.4	3007.5	2523.1	2575.1	2646.6	2701.9	2669.4	2623.9	2565.3	2594.6
42.5°	6067.1	5088.4	2760.4	2276.0	2276.0	2315.0	2409.3	2386.5	2276.0	2253.2	2279.2
45°	6275.2	5228.2	2513.3	2028.9	1993.1	2019.1	2116.7	2019.1	1950.8	1950.8	1973.6
47.5°	6779.1	5488.3	2295.5	1811.0	1726.5	1778.5	1804.5	1713.5	1661.5	1648.5	1671.2
50°	7806.6	6008.6	2165.4	1632.2	1528.2	1567.2	1550.9	1547.7	1495.6	1502.1	1515.1
52.5°	9367.2	7023.0	2126.4	1544.4	1414.4	1424.1	1407.8	1414.4	1404.6	1437.1	1446.9
55°	11067.7	8092.7	2175.2	1557.4	1336.3	1268.0	1274.5	1307.1	1346.1	1398.1	1407.8
57.5°	12339.0	8629.2	2302.0	1645.2	1238.8	1134.7	1151.0	1212.8	1287.5	1329.8	1352.6
60°	13285.2	8564.1	2487.3	1668.0	1121.7	1014.4	1043.7	1134.7	1199.8	1235.5	1258.3
62.5°	13594.0	8157.7	2532.8	1502.1	968.9	900.6	972.2	1066.5	1095.7	1134.7	1151.0
65°	13340.4	7582.2	2201.2	1219.3	851.9	816.1	920.1	991.7	1030.7	1050.2	1053.4
66°	13041.3	7237.6	2022.4	1108.7	809.6	790.1	900.6	959.2	998.2	994.9	998.2
67.5°	12384.5	6515.8	1733.0	952.7	747.8	751.1	868.1	907.1	920.1	910.4	910.4
70°	10150.8	4587.7	1242.0	721.8	656.8	702.3	780.3	790.1	819.3	806.3	806.3
72.5°	6258.9	2253.2	832.4	552.7	585.2	656.8	653.5	686.0	754.3	773.8	786.8
75°	3075.8	913.6	549.5	468.2	523.5	549.5	543.0	624.3	721.8	806.3	835.6
77.5°	1167.2	455.2	383.7	409.7	422.7	412.9	432.4	565.7	721.8	874.6	903.9
80°	360.9	315.4	302.4	338.1	318.6	302.4	325.1	468.2	611.3	663.3	663.3
82.5°	217.8	247.1	234.1	230.8	214.6	217.8	234.1	334.9	471.5	494.2	494.2
85°	152.8	162.6	133.3	126.8	123.6	120.3	120.3	195.1	279.6	276.4	286.1
87.5°	58.5	65.0	48.8	48.8	45.5	32.5	26.0	32.5	32.5	22.8	16.3
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)