

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: P1211391

Luminaire Tested: **ARCH4-260-730-U-T3RE**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1211391
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: ARCH4-260-730-U-T3RE
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 3000K, 1010mA LIGHTSQUARES WITH 40 LEDS EACH AND TYPE III
ROADWAY ILLUMINANCE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 36564 lumens
Efficiency: N/A
Efficacy: 141.1 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 0.58' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

Input Watts (W): 259.2
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



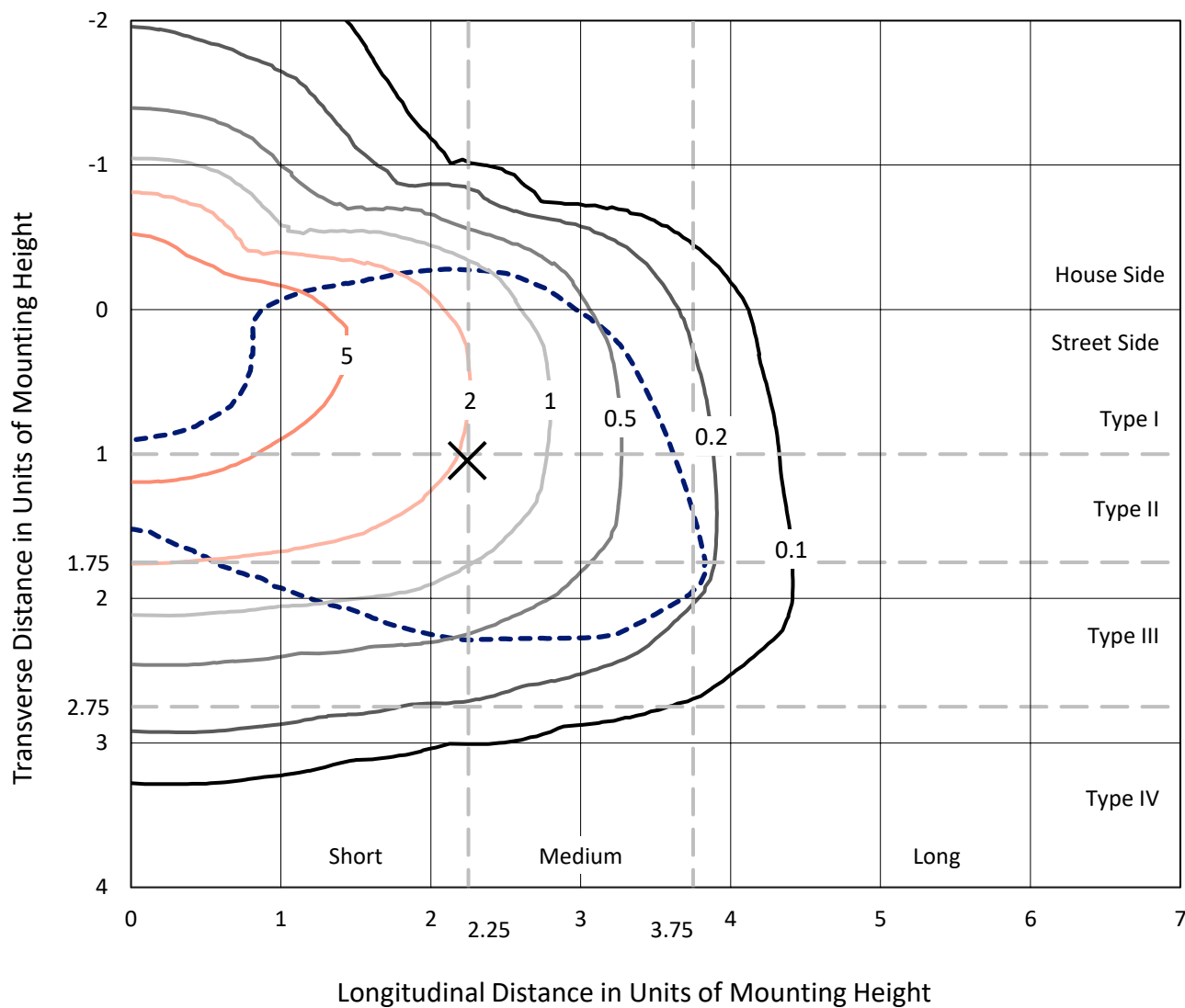
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Iso-Footcandle Lines of Horizontal Illumination

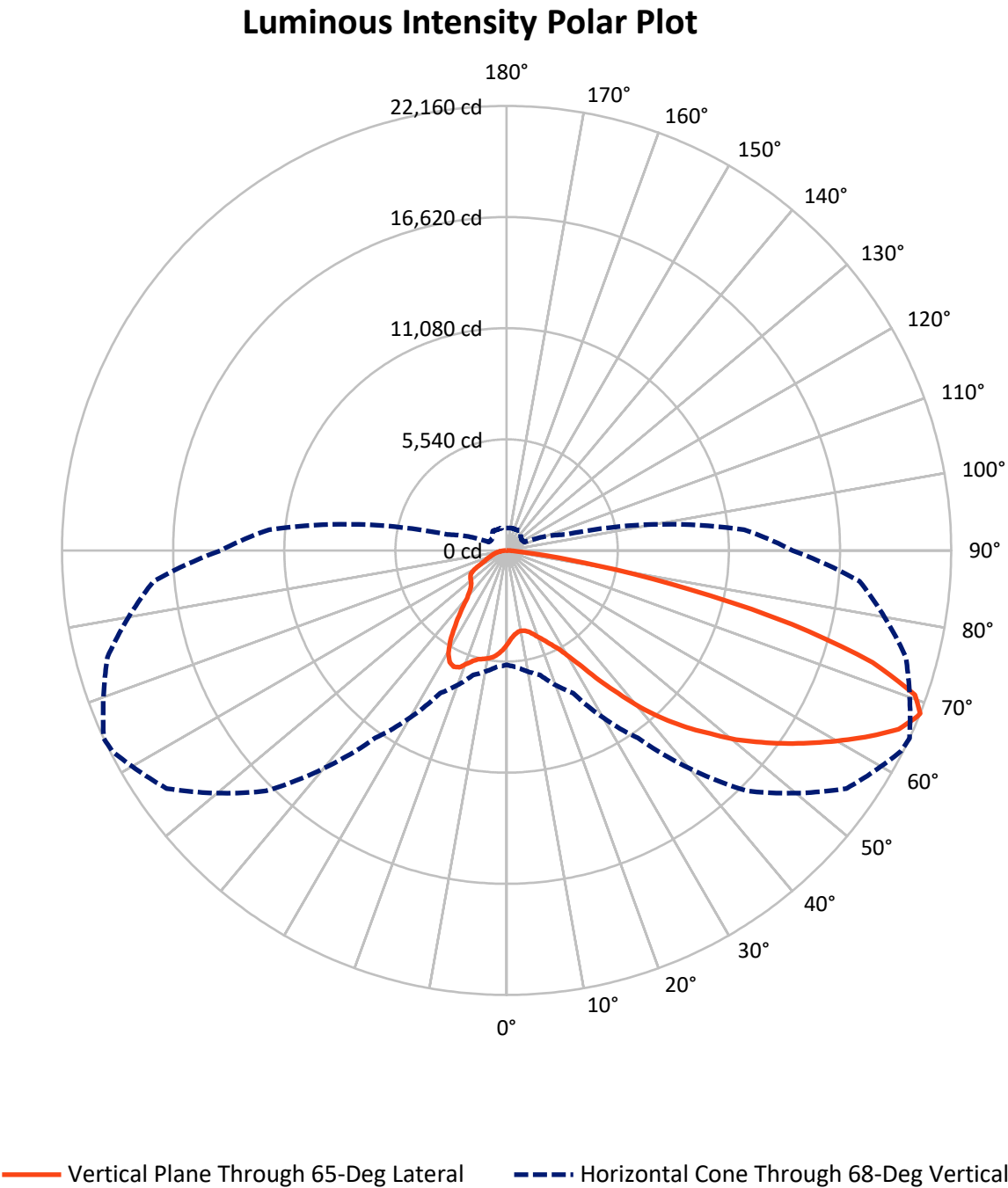
✕ Max cd

--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.5 fc
 Type III - Short - N/A

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8964.4	0.0	8964.4
	% Fixture	24.5	0.0	24.5
Street Side	Lumens	27599.6	0.0	27599.6
	% Fixture	75.5	0.0	75.5
Total	Lumens	36564.0	0.0	36564.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	446.6	1.2
10°-20°	1453.9	4.0
20°-30°	2631.5	7.2
30°-40°	4139.6	11.3
40°-50°	6165.5	16.9
50°-60°	8088.0	22.1
60°-70°	8844.7	24.2
70°-80°	4376.6	12.0
80°-90°	417.5	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°	36564.0	100.0
0°-180°	36564.0	100.0

Coefficient of Utilization



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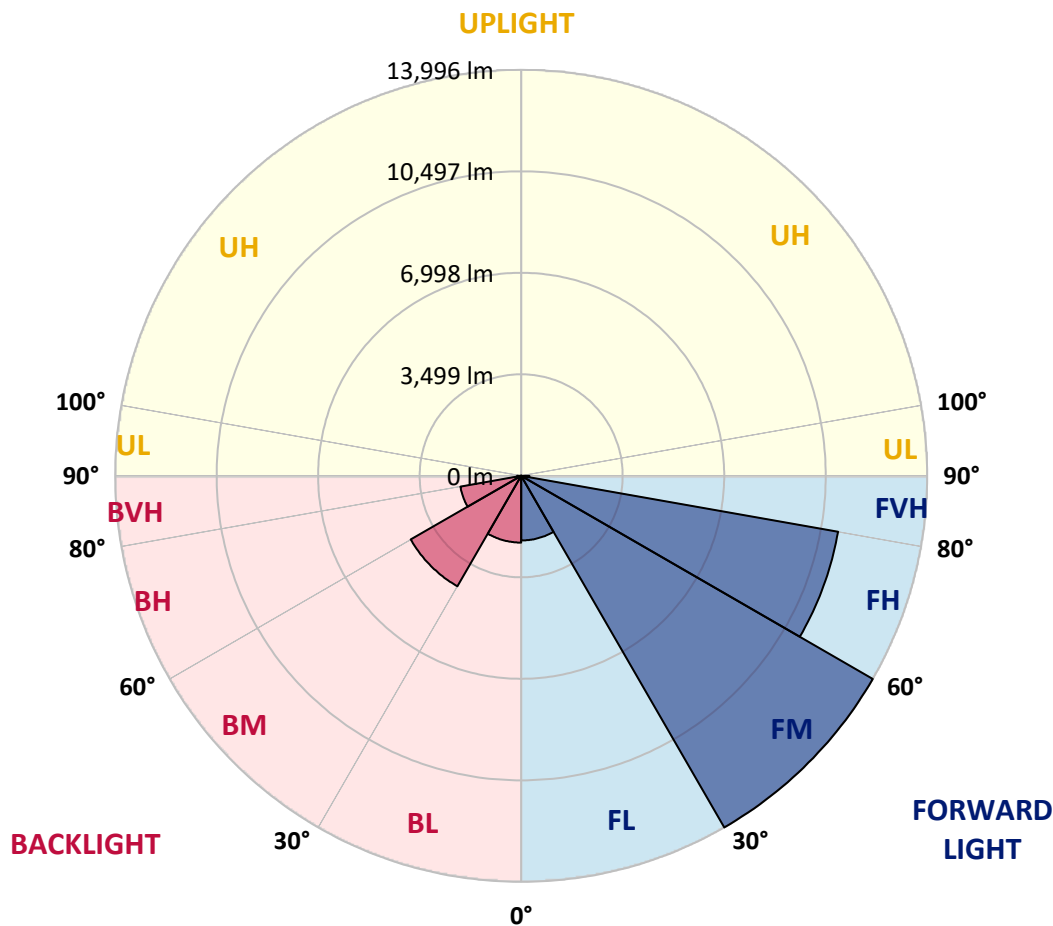
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2229.0	6.1			
FM	(30°-60°)	13996.2	38.3			
FH	(60°-80°)	11093.6	30.3			G4/12000
FVH	(80°-90°)	280.8	0.8			G3/500
BL	(0°-30°)	2303.0	6.3	B3/2500		
BM	(30°-60°)	4397.0	12.0	B3/5000		
BH	(60°-80°)	2127.7	5.8	B3/2500		G3/2500
BVH	(80°-90°)	136.7	0.4			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°	85°
0°	4672.4	4672.4	4672.4	4672.4	4672.4	4672.4	4672.4	4672.4	4672.4	4672.4	4672.4
2.5°	4078.4	4068.9	4092.5	4116.1	4167.9	4229.2	4314.1	4384.8	4394.3	4526.3	4630.0
5°	3837.9	3823.8	3847.3	3875.6	3899.2	3974.6	4064.2	4167.9	4210.4	4403.7	4625.3
7.5°	3861.5	3856.8	3866.2	3856.8	3856.8	3889.8	3951.1	4054.8	4101.9	4333.0	4648.9
10°	3998.2	4007.6	4012.4	3984.1	3955.8	3941.6	3960.5	4031.2	4064.2	4337.7	4752.6
12.5°	4224.5	4238.7	4243.4	4191.5	4153.8	4092.5	4059.5	4087.8	4111.4	4384.8	4898.7
15°	4531.0	4540.4	4507.4	4474.4	4380.1	4304.7	4224.5	4200.9	4210.4	4483.8	5063.8
17.5°	4889.3	4875.2	4875.2	4795.0	4672.4	4554.6	4422.5	4403.7	4403.7	4644.1	5299.5
20°	5280.7	5294.8	5252.4	5143.9	5021.3	4837.5	4705.4	4620.6	4630.0	4828.0	5587.1
22.5°	5846.4	5870.0	5756.9	5601.3	5412.7	5200.5	5011.9	4875.2	4879.9	5068.5	5884.2
25°	6454.7	6464.1	6393.4	6185.9	5931.3	5629.6	5379.7	5205.2	5200.5	5337.2	6266.1
27.5°	7077.0	7119.5	6978.0	6780.0	6544.2	6167.0	5837.0	5601.3	5563.5	5747.4	6742.3
30°	7718.2	7770.1	7633.4	7440.1	7147.7	6827.1	6435.8	6162.3	6138.8	6383.9	7378.8
32.5°	8364.2	8378.3	8269.9	8109.6	7845.5	7543.8	7227.9	6926.1	6902.6	7303.3	8203.9
35°	8892.2	8934.7	8859.2	8821.5	8628.2	8350.0	8043.6	7869.1	7930.4	8444.3	9274.1
37.5°	9528.7	9571.2	9486.3	9476.9	9415.6	9175.1	8963.0	8977.1	9038.4	9736.2	10401.0
40°	10448.1	10495.3	10278.4	10184.1	10184.1	9948.4	9877.6	10212.4	10292.6	11009.2	11575.0
42.5°	11226.1	11301.5	11174.2	11112.9	10929.1	10764.0	10848.9	11320.4	11457.1	12225.7	12598.1
45°	11603.3	11659.9	11810.7	11989.9	11810.7	11523.1	11843.7	12376.5	12569.8	13347.8	13621.3
47.5°	11806.0	11857.9	12032.3	12513.3	12635.8	12395.4	12848.0	13512.8	13644.8	14460.5	14597.2
50°	11834.3	11999.3	12225.7	12706.6	13267.6	13300.6	13857.0	14668.0	14823.5	15554.4	15455.3
52.5°	11603.3	11669.3	12136.1	12947.0	13569.4	14135.2	14955.6	15775.9	15889.1	16582.2	16214.4
55°	11226.1	11320.4	11787.2	12890.5	13861.7	14927.3	16073.0	16865.1	16992.4	17581.7	16916.9
57.5°	10886.6	10933.8	11433.6	12725.4	14154.0	15719.4	17067.8	18001.4	18086.2	18458.7	17435.6
60°	10509.4	10561.3	11061.1	12371.8	14370.9	16318.2	18105.1	19147.1	19222.5	19382.8	18039.1
62.5°	9533.5	9670.2	10297.3	11787.2	14314.3	17001.8	19213.1	20278.6	20372.9	20198.5	18515.3
65°	7741.8	7935.1	8703.6	10462.3	13786.3	17445.0	20118.3	21320.6	21480.9	20811.4	18642.6
67.5°	6011.5	6148.2	6765.8	8302.9	11933.3	17223.4	20703.0	22037.3	22084.4	20712.4	17935.4
68°	5700.3	5837.0	6426.4	7850.3	11419.4	16959.4	20688.8	22056.2	22159.9	20604.0	17661.9
70°	4361.3	4516.8	5077.9	6218.9	9203.4	15280.9	19826.0	21603.5	21589.4	19293.2	15964.5
72.5°	2725.2	2814.8	3201.4	3922.8	6086.9	11626.9	16827.4	19052.8	19090.5	15728.8	12244.5
75°	1730.4	1730.4	1711.5	1900.1	3121.2	6624.4	12508.5	14668.0	14696.2	11013.9	7718.2
77.5°	1504.0	1461.6	1258.9	1065.6	1244.7	2574.3	7402.3	9472.2	9316.6	5931.3	3663.5
80°	1268.3	1197.6	1032.6	858.1	801.5	806.2	2843.1	4809.2	4601.7	2135.8	1216.4
82.5°	914.7	853.4	778.0	674.2	617.6	480.9	594.1	1390.9	1357.9	617.6	396.0
85°	495.1	447.9	438.5	443.2	372.5	297.0	249.9	306.5	306.5	268.7	226.3
87.5°	174.5	127.3	150.9	169.7	146.2	122.6	99.0	117.9	122.6	117.9	108.4
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°	4672.4	4672.4	4672.4	4672.4	4672.4	4672.4	4672.4	4672.4	4672.4	4672.4	4672.4
2.5°	4691.3	4738.4	4851.6	4950.6	5021.3	5082.6	5115.6	5129.8	5162.8	5167.5	5158.1
5°	4729.0	4851.6	5021.3	5167.5	5247.6	5280.7	5290.1	5294.8	5280.7	5290.1	5280.7
7.5°	4828.0	4983.6	5224.1	5351.4	5365.5	5313.7	5318.4	5299.5	5318.4	5337.2	5337.2
10°	4978.9	5176.9	5403.2	5450.4	5389.1	5360.8	5417.4	5530.5	5568.3	5620.1	5620.1
12.5°	5176.9	5412.7	5573.0	5530.5	5474.0	5568.3	5733.3	5846.4	5884.2	5903.0	5888.9
15°	5403.2	5657.8	5738.0	5596.5	5700.3	5903.0	5959.6	5893.6	5799.3	5756.9	5780.4
17.5°	5690.8	5903.0	5855.9	5761.6	5997.3	6025.6	5841.7	5629.6	5478.7	5422.1	5459.8
20°	5992.6	6176.5	5959.6	6002.0	6148.2	5846.4	5497.5	5224.1	5092.1	5068.5	5106.2
22.5°	6313.2	6431.1	6063.3	6280.2	6063.3	5450.4	5030.8	4889.3	4856.3	4894.0	4927.0
25°	6676.3	6662.1	6242.5	6365.1	5747.4	4964.8	4714.9	4705.4	4705.4	4729.0	4776.2
27.5°	7086.4	6864.8	6421.7	6251.9	5200.5	4564.0	4516.8	4521.6	4507.4	4512.1	4535.7
30°	7562.6	7138.3	6619.7	5879.4	4587.6	4262.2	4243.4	4229.2	4196.2	4186.8	4196.2
32.5°	8161.4	7425.9	6822.4	5266.5	4050.1	3951.1	3941.6	3866.2	3786.0	3776.6	3809.6
35°	8920.5	7949.3	6926.1	4498.0	3606.9	3602.2	3569.2	3451.3	3347.6	3347.6	3324.0
37.5°	9788.1	8623.5	6968.6	3748.3	3239.1	3262.7	3168.4	3017.5	2937.4	2890.2	2904.4
40°	10674.5	9392.0	6963.9	3093.0	2918.5	2923.2	2852.5	2668.6	2470.6	2352.7	2381.0
42.5°	11527.9	10089.8	6841.3	2744.1	2659.2	2645.0	2588.5	2338.6	2173.6	2079.3	2084.0
45°	12211.5	10811.2	6652.7	2536.6	2423.4	2447.0	2319.7	2168.8	2018.0	1933.1	1928.4
47.5°	12895.2	11358.1	6350.9	2409.3	2249.0	2206.6	2154.7	2051.0	1937.8	1843.5	1848.2
50°	13517.5	11824.9	6068.0	2324.4	2088.7	1980.2	1989.7	1928.4	1829.4	1744.5	1739.8
52.5°	13956.0	12131.4	5912.4	2277.3	1895.4	1777.5	1810.5	1777.5	1683.2	1621.9	1617.2
55°	14394.5	12367.1	5964.3	2216.0	1683.2	1588.9	1645.5	1636.1	1584.2	1565.3	1570.1
57.5°	14748.1	12546.3	6148.2	2102.8	1480.5	1423.9	1518.2	1489.9	1452.2	1456.9	1456.9
60°	15092.3	12777.3	6365.1	1843.5	1306.0	1310.7	1400.3	1348.5	1324.9	1367.3	1372.0
62.5°	15450.6	13027.2	6185.9	1466.3	1155.1	1188.1	1291.9	1249.4	1258.9	1320.2	1339.0
65°	15408.2	13003.6	5040.2	1202.3	1023.1	1089.1	1244.7	1230.6	1235.3	1258.9	1268.3
67.5°	14540.7	12173.8	3465.4	1023.1	928.8	1009.0	1207.0	1150.4	1155.1	1141.0	1145.7
68°	14248.3	11881.5	3055.2	994.8	910.0	990.1	1188.1	1136.3	1141.0	1126.9	1122.1
70°	12654.7	10174.7	1933.1	877.0	844.0	938.3	1093.8	1075.0	1070.3	1060.8	1060.8
72.5°	9646.6	7510.8	1018.4	759.1	768.5	858.1	976.0	1013.7	990.1	994.8	1023.1
75°	6388.6	4516.8	707.2	650.7	674.2	735.5	867.5	943.0	919.4	933.5	919.4
77.5°	3380.6	2432.9	565.8	551.6	551.6	594.1	716.7	834.5	834.5	825.1	811.0
80°	1108.0	858.1	452.6	433.8	443.2	466.8	575.2	683.7	697.8	678.9	669.5
82.5°	372.5	396.0	339.5	315.9	325.3	344.2	433.8	523.4	528.1	490.3	480.9
85°	231.0	264.0	212.2	207.5	207.5	212.2	264.0	287.6	264.0	235.7	245.2
87.5°	108.4	132.0	99.0	84.9	70.7	61.3	47.1	18.9	18.9	9.4	9.4
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)