

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: P1211359

Luminaire Tested: **ARCH4-250-730-U-T3RE**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1211359
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: ARCH4-250-730-U-T3RE
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 3000K, 975mA LIGHTSQUARES WITH 40 LEDS EACH AND TYPE III
ROADWAY ILLUMINANCE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 35561 lumens
Efficiency: N/A
Efficacy: 142.5 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): 249.5
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

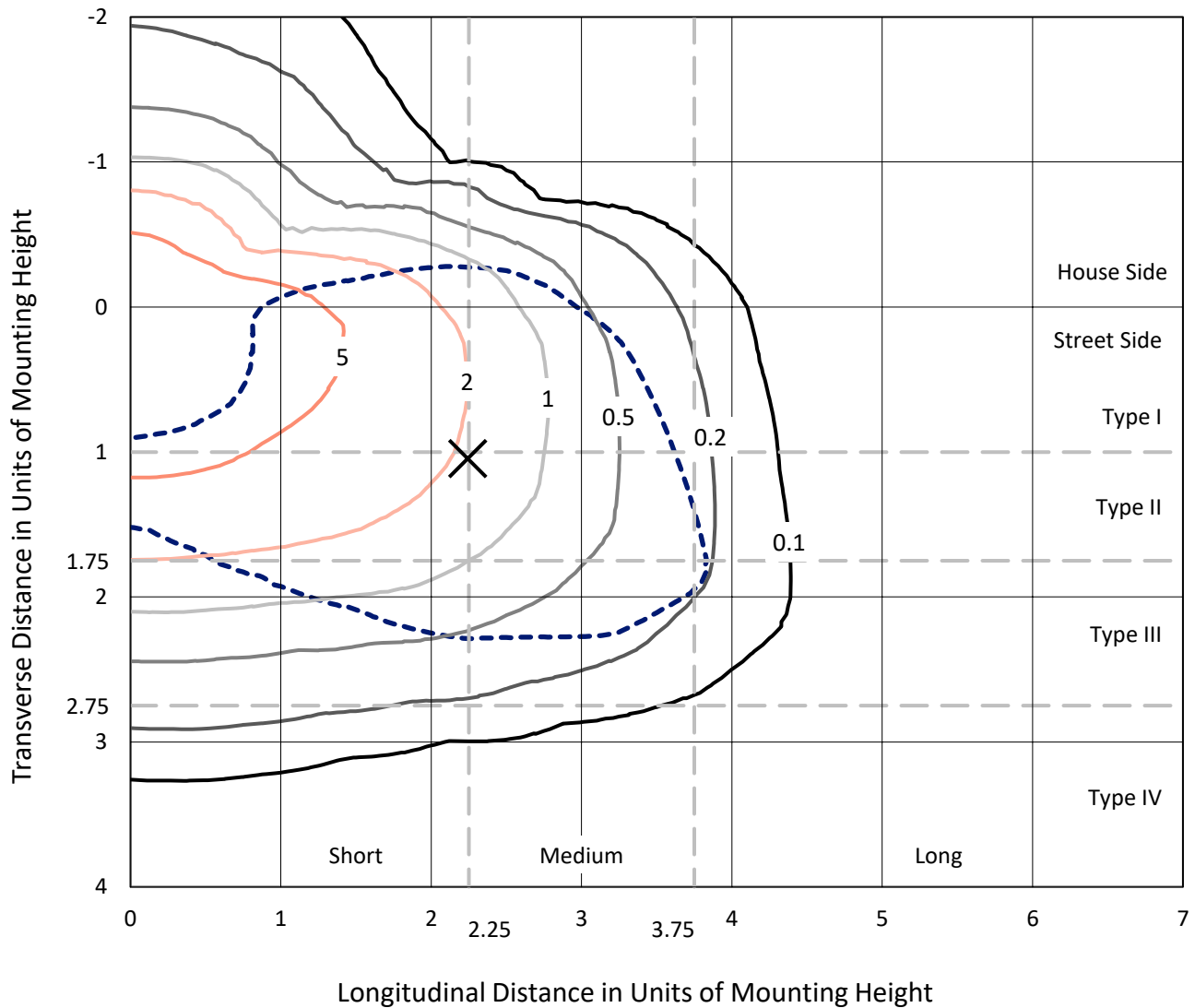


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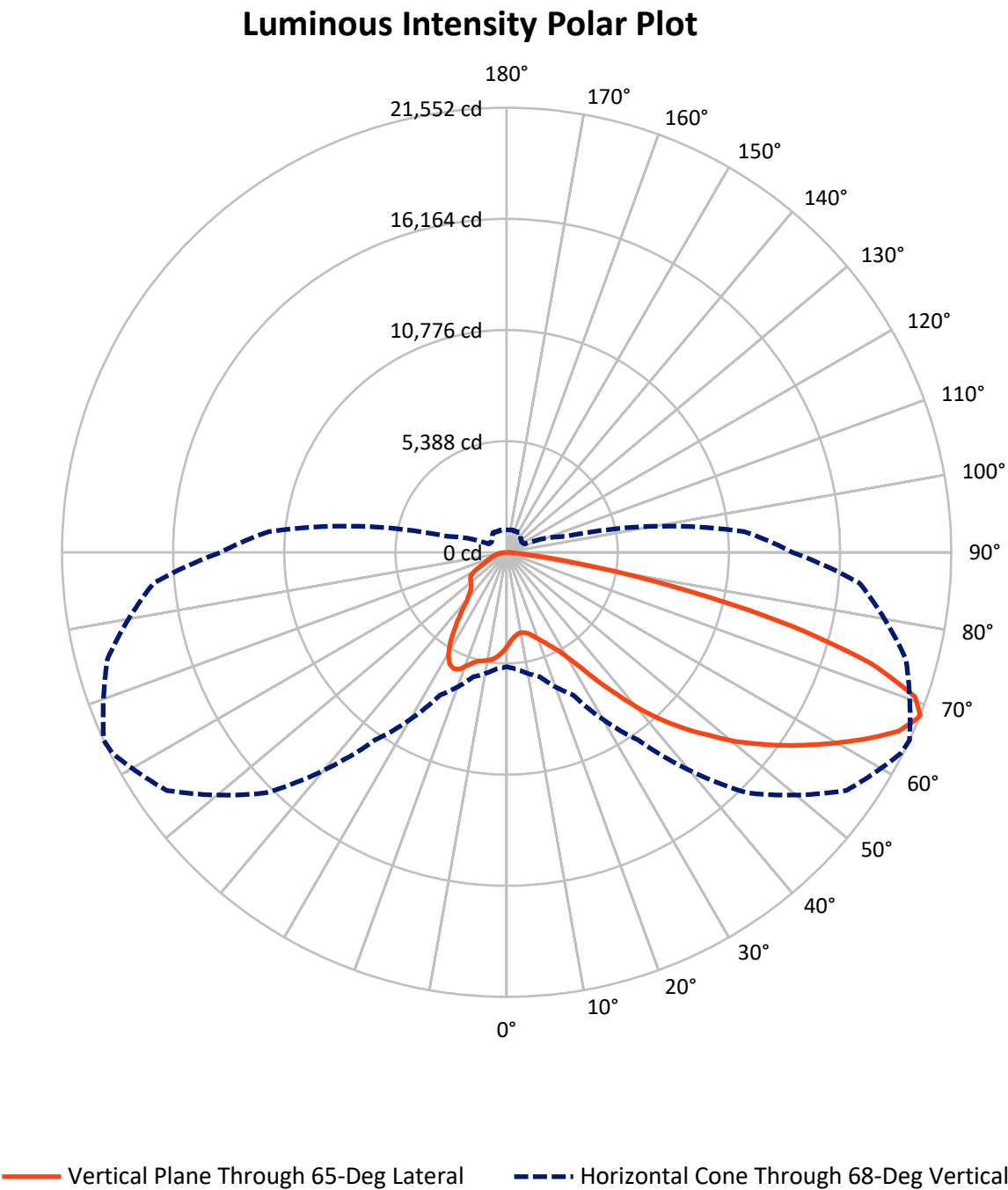
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.3 fc
Type III - Short - N/A

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8718.5	0.0	8718.5
	% Fixture	24.5	0.0	24.5
Street Side	Lumens	26842.5	0.0	26842.5
	% Fixture	75.5	0.0	75.5
Total	Lumens	35561.0	0.0	35561.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	434.3	1.2
10°-20°	1414.1	4.0
20°-30°	2559.3	7.2
30°-40°	4026.1	11.3
40°-50°	5996.4	16.9
50°-60°	7866.1	22.1
60°-70°	8602.1	24.2
70°-80°	4256.6	12.0
80°-90°	406.0	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°	35561.0	100.0
0°-180°	35561.0	100.0

Coefficient of Utilization



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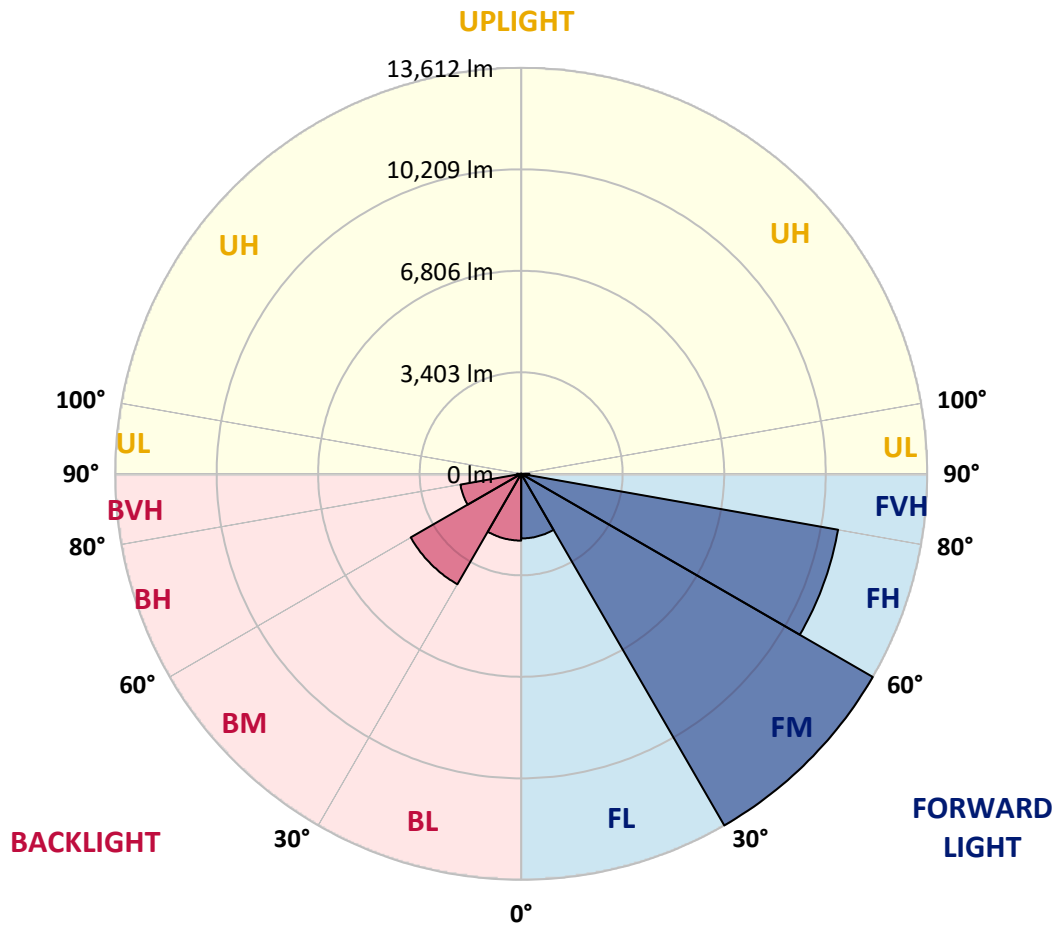
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2167.8	6.1			
FM	(30°-60°)	13612.3	38.3			
FH	(60°-80°)	10789.3	30.3			G4/12000
FVH	(80°-90°)	273.1	0.8			G3/500
BL	(0°-30°)	2239.9	6.3	B3/2500		
BM	(30°-60°)	4276.4	12.0	B3/5000		
BH	(60°-80°)	2069.3	5.8	B3/2500		G3/2500
BVH	(80°-90°)	132.9	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°	4544.3	4544.3	4544.3	4544.3	4544.3	4544.3	4544.3	4544.3	4544.3	4544.3	4544.3
2.5°	3966.5	3957.3	3980.2	4003.2	4053.6	4113.2	4195.8	4264.5	4273.7	4402.1	4503.0
5°	3732.6	3718.9	3741.8	3769.3	3792.2	3865.6	3952.7	4053.6	4094.9	4282.9	4498.4
7.5°	3755.6	3751.0	3760.1	3751.0	3751.0	3783.1	3842.7	3943.6	3989.4	4214.1	4521.3
10°	3888.5	3897.7	3902.3	3874.8	3847.3	3833.5	3851.8	3920.6	3952.7	4218.7	4622.2
12.5°	4108.6	4122.4	4127.0	4076.5	4039.9	3980.2	3948.1	3975.7	3998.6	4264.5	4764.4
15°	4406.7	4415.9	4383.8	4351.7	4260.0	4186.6	4108.6	4085.7	4094.9	4360.8	4924.9
17.5°	4755.2	4741.4	4741.4	4663.5	4544.3	4429.6	4301.2	4282.9	4282.9	4516.8	5154.1
20°	5135.8	5149.6	5108.3	5002.8	4883.6	4704.8	4576.4	4493.8	4503.0	4695.6	5433.9
22.5°	5686.1	5709.0	5598.9	5447.6	5264.2	5057.8	4874.4	4741.4	4746.0	4929.4	5722.7
25°	6277.6	6286.8	6218.0	6016.2	5768.6	5475.1	5232.1	5062.4	5057.8	5190.8	6094.2
27.5°	6882.9	6924.2	6786.6	6594.0	6364.7	5997.9	5676.9	5447.6	5410.9	5589.8	6557.3
30°	7506.5	7557.0	7424.0	7236.0	6951.7	6639.9	6259.3	5993.3	5970.4	6208.8	7176.4
32.5°	8134.7	8148.5	8043.0	7887.1	7630.3	7336.9	7029.6	6736.1	6713.2	7103.0	7978.8
35°	8648.3	8689.6	8616.2	8579.5	8391.5	8121.0	7822.9	7653.3	7712.9	8212.7	9019.7
37.5°	9267.4	9308.6	9226.1	9216.9	9157.3	8923.4	8717.1	8730.9	8790.5	9469.1	10115.7
40°	10161.5	10207.4	9996.5	9904.8	9904.8	9675.5	9606.7	9932.3	10010.2	10707.2	11257.5
42.5°	10918.2	10991.5	10867.7	10808.1	10629.3	10468.8	10551.3	11009.9	11142.8	11890.3	12252.5
45°	11285.0	11340.0	11486.8	11661.0	11486.8	11207.0	11518.9	12037.0	12225.0	12981.6	13247.6
47.5°	11482.2	11532.6	11702.3	12170.0	12289.2	12055.4	12495.6	13142.1	13270.5	14063.8	14196.8
50°	11509.7	11670.2	11890.3	12358.0	12903.7	12935.8	13476.9	14265.6	14416.9	15127.7	15031.4
52.5°	11285.0	11349.2	11803.2	12591.9	13197.2	13747.4	14545.3	15343.2	15453.2	16127.3	15769.6
55°	10918.2	11009.9	11463.8	12536.8	13481.5	14517.8	15632.1	16402.5	16526.3	17099.5	16452.9
57.5°	10588.0	10633.9	11119.9	12376.4	13765.8	15288.2	16599.6	17507.6	17590.1	17952.4	16957.3
60°	10221.2	10271.6	10757.7	12032.4	13976.7	15870.5	17608.4	18621.9	18695.2	18851.1	17544.3
62.5°	9271.9	9404.9	10014.8	11463.8	13921.7	16535.4	18686.0	19722.4	19814.1	19644.4	18007.4
65°	7529.4	7717.5	8464.9	10175.3	13408.1	16966.5	19566.5	20735.8	20891.7	20240.5	18131.2
67.5°	5846.6	5979.5	6580.2	8075.1	11606.0	16751.0	20135.1	21432.8	21478.6	20144.2	17443.4
68°	5543.9	5676.9	6250.1	7634.9	11106.2	16494.2	20121.3	21451.1	21552.0	20038.8	17177.4
70°	4241.6	4392.9	4938.6	6048.3	8951.0	14861.7	19282.2	21010.9	20997.2	18764.0	15526.6
72.5°	2650.4	2737.6	3113.6	3815.2	5919.9	11307.9	16365.8	18530.1	18566.8	15297.3	11908.6
75°	1682.9	1682.9	1664.5	1848.0	3035.6	6442.7	12165.4	14265.6	14293.1	10711.8	7506.5
77.5°	1462.8	1421.5	1224.3	1036.3	1210.6	2503.7	7199.3	9212.3	9061.0	5768.6	3563.0
80°	1233.5	1164.7	1004.2	834.6	779.5	784.1	2765.1	4677.2	4475.5	2077.2	1183.1
82.5°	889.6	830.0	756.6	655.7	600.7	467.7	577.8	1352.7	1320.6	600.7	385.2
85°	481.5	435.6	426.5	431.0	362.3	288.9	243.0	298.1	298.1	261.4	220.1
87.5°	169.7	123.8	146.7	165.1	142.2	119.2	96.3	114.6	119.2	114.6	105.5
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°	4544.3	4544.3	4544.3	4544.3	4544.3	4544.3	4544.3	4544.3	4544.3	4544.3	4544.3
2.5°	4562.6	4608.5	4718.5	4814.8	4883.6	4943.2	4975.3	4989.1	5021.2	5025.7	5016.6
5°	4599.3	4718.5	4883.6	5025.7	5103.7	5135.8	5145.0	5149.6	5135.8	5145.0	5135.8
7.5°	4695.6	4846.9	5080.8	5204.6	5218.3	5167.9	5172.5	5154.1	5172.5	5190.8	5190.8
10°	4842.3	5034.9	5255.0	5300.9	5241.3	5213.8	5268.8	5378.8	5415.5	5466.0	5466.0
12.5°	5034.9	5264.2	5420.1	5378.8	5323.8	5415.5	5576.0	5686.1	5722.7	5741.1	5727.3
15°	5255.0	5502.6	5580.6	5443.0	5543.9	5741.1	5796.1	5731.9	5640.2	5598.9	5621.9
17.5°	5534.7	5741.1	5695.2	5603.5	5832.8	5860.3	5681.5	5475.1	5328.4	5273.4	5310.0
20°	5828.2	6007.0	5796.1	5837.4	5979.5	5686.1	5346.7	5080.8	4952.4	4929.4	4966.1
22.5°	6140.0	6254.7	5897.0	6107.9	5897.0	5300.9	4892.8	4755.2	4723.1	4759.8	4791.9
25°	6493.1	6479.4	6071.2	6190.5	5589.8	4828.6	4585.5	4576.4	4576.4	4599.3	4645.1
27.5°	6892.1	6676.5	6245.5	6080.4	5057.8	4438.8	4392.9	4397.5	4383.8	4388.4	4411.3
30°	7355.2	6942.5	6438.1	5718.2	4461.7	4145.3	4127.0	4113.2	4081.1	4072.0	4081.1
32.5°	7937.6	7222.2	6635.3	5122.0	3939.0	3842.7	3833.5	3760.1	3682.2	3673.0	3705.1
35°	8675.8	7731.2	6736.1	4374.6	3507.9	3503.3	3471.2	3356.6	3255.7	3255.7	3232.8
37.5°	9519.6	8386.9	6777.4	3645.5	3150.3	3173.2	3081.5	2934.7	2856.8	2810.9	2824.7
40°	10381.6	9134.4	6772.8	3008.1	2838.4	2843.0	2774.2	2595.4	2402.8	2288.2	2315.7
42.5°	11211.6	9813.0	6653.6	2668.8	2586.2	2572.5	2517.5	2274.4	2113.9	2022.2	2026.8
45°	11876.5	10514.6	6470.2	2467.0	2357.0	2379.9	2256.1	2109.3	1962.6	1880.1	1875.5
47.5°	12541.4	11046.5	6176.7	2343.2	2187.3	2146.0	2095.6	1994.7	1884.7	1792.9	1797.5
50°	13146.7	11500.5	5901.6	2260.7	2031.4	1925.9	1935.1	1875.5	1779.2	1696.6	1692.1
52.5°	13573.2	11798.6	5750.3	2214.8	1843.4	1728.7	1760.8	1728.7	1637.0	1577.4	1572.8
55°	13999.6	12027.9	5800.7	2155.2	1637.0	1545.3	1600.4	1591.2	1540.7	1522.4	1527.0
57.5°	14343.5	12202.1	5979.5	2045.1	1439.9	1384.8	1476.5	1449.0	1412.3	1416.9	1416.9
60°	14678.3	12426.8	6190.5	1792.9	1270.2	1274.8	1361.9	1311.5	1288.5	1329.8	1334.4
62.5°	15026.8	12669.8	6016.2	1426.1	1123.5	1155.6	1256.4	1215.2	1224.3	1283.9	1302.3
65°	14985.5	12646.9	4901.9	1169.3	995.1	1059.3	1210.6	1196.8	1201.4	1224.3	1233.5
67.5°	14141.8	11839.8	3370.4	995.1	903.4	981.3	1173.9	1118.9	1123.5	1109.7	1114.3
68°	13857.5	11555.5	2971.4	967.5	885.0	963.0	1155.6	1105.1	1109.7	1095.9	1091.4
70°	12307.6	9895.6	1880.1	852.9	820.8	912.5	1063.8	1045.5	1040.9	1031.7	1031.7
72.5°	9382.0	7304.8	990.5	738.3	747.4	834.6	949.2	985.9	963.0	967.5	995.1
75°	6213.4	4392.9	687.8	632.8	655.7	715.3	843.7	917.1	894.2	907.9	894.2
77.5°	3287.8	2366.1	550.3	536.5	536.5	577.8	697.0	811.6	811.6	802.5	788.7
80°	1077.6	834.6	440.2	421.9	431.0	454.0	559.4	664.9	678.7	660.3	651.1
82.5°	362.3	385.2	330.2	307.2	316.4	334.7	421.9	509.0	513.6	476.9	467.7
85°	224.7	256.8	206.3	201.8	201.8	206.3	256.8	279.7	256.8	229.3	238.4
87.5°	105.5	128.4	96.3	82.5	68.8	59.6	45.9	18.3	18.3	9.2	9.2
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)