

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: P1211189

Luminaire Tested: **ARCH4-200-722-U-T2RE**

Issue Date: 11/5/2025

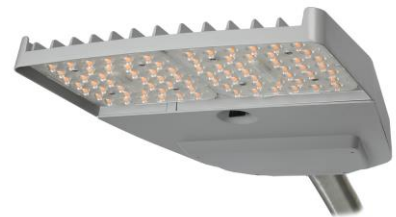
Test Information

Test Method: LM-79-08
Report Number: P1211189
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: ARCH4-200-722-U-T2RE
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 2200K, 800mA LIGHTSQUARES WITH 40 LEDS EACH AND TYPE II
ROADWAY ILLUMINANCE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26508 lumens
Efficiency: N/A
Efficacy: 130.1 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): 203.7
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



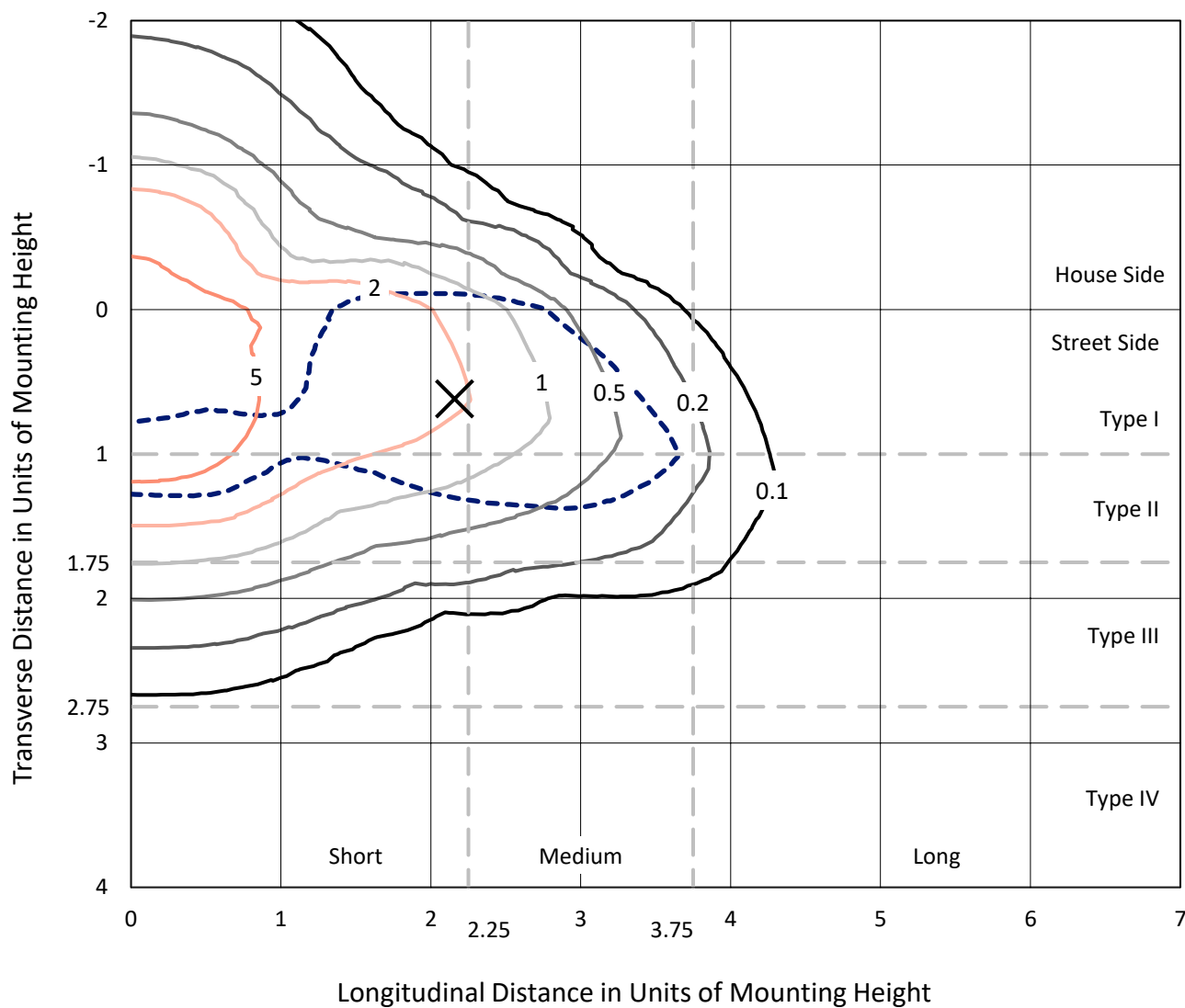
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

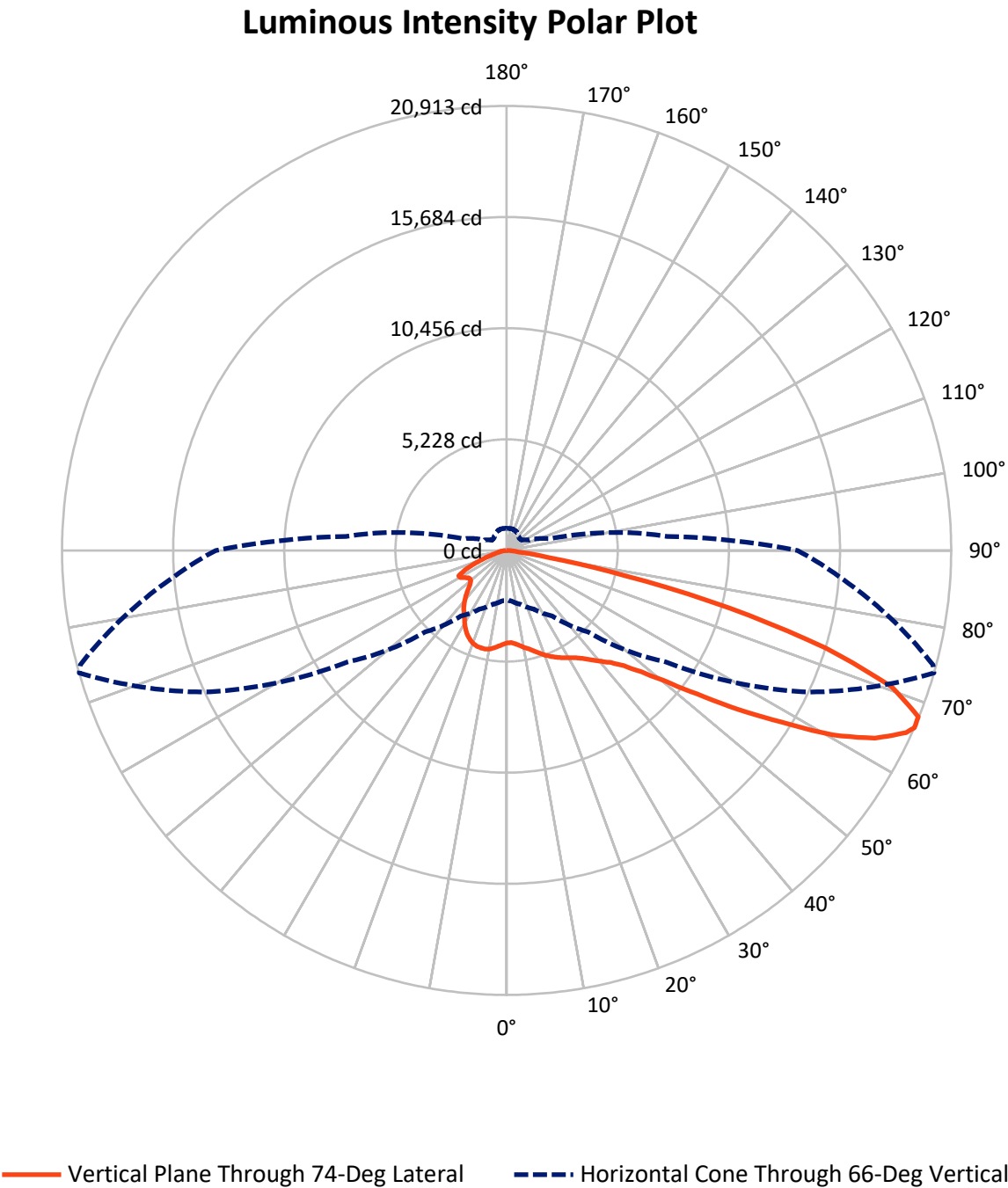
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.3 fc

Type II - Short - N/A

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6455.4	0.0	6455.4
	% Fixture	24.4	0.0	24.4
Street Side	Lumens	20052.6	0.0	20052.6
	% Fixture	75.6	0.0	75.6
Total	Lumens	26508.0	0.0	26508.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	414.5	1.6
10°-20°	1274.7	4.8
20°-30°	2392.1	9.0
30°-40°	3679.6	13.9
40°-50°	4949.4	18.7
50°-60°	5853.2	22.1
60°-70°	5414.5	20.4
70°-80°	2277.9	8.6
80°-90°	252.1	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°	26508.0	100.0
0°-180°	26508.0	100.0

Coefficient of Utilization



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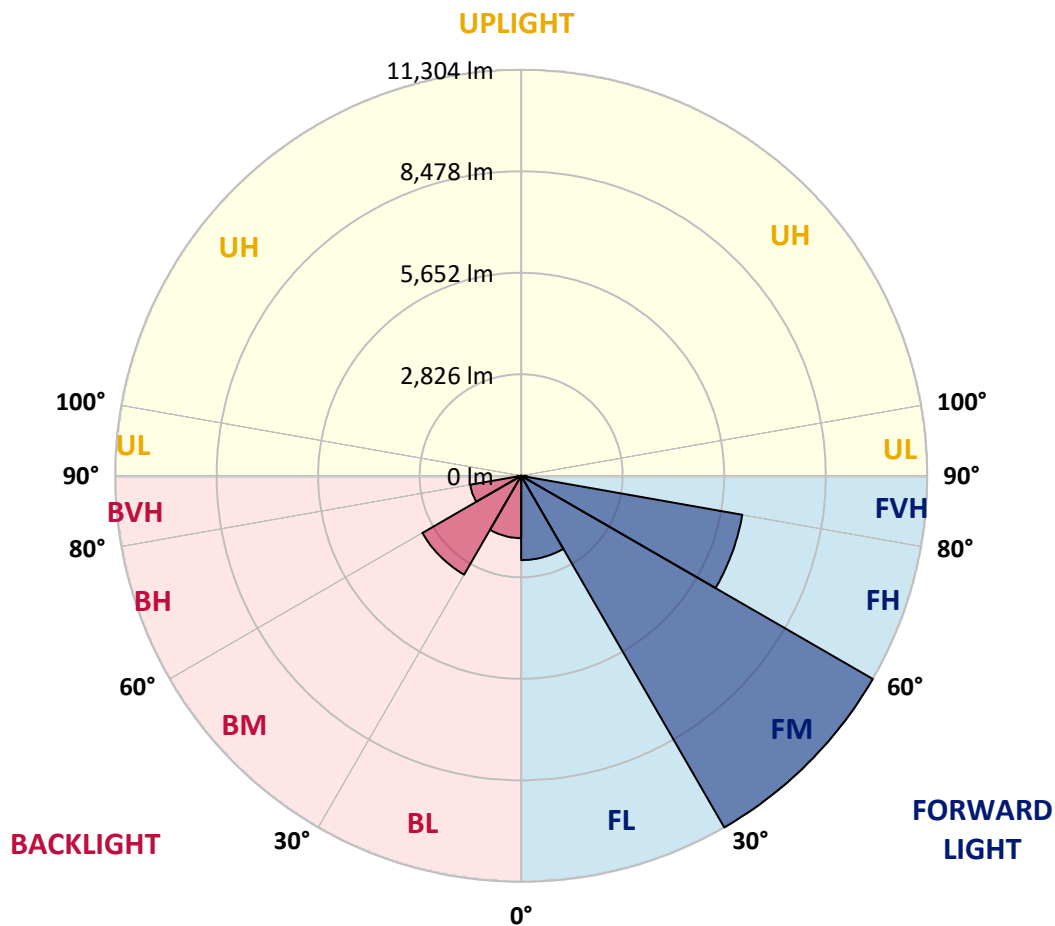
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2346.3	8.9			
FM	(30°-60°)	11304.2	42.6			
FH	(60°-80°)	6251.3	23.6			G3/7500
FVH	(80°-90°)	150.8	0.6			G2/225
BL	(0°-30°)	1735.1	6.5	B3/2500		
BM	(30°-60°)	3178.0	12.0	B3/5000		
BH	(60°-80°)	1441.1	5.4	B3/2500		G3/2500
BVH	(80°-90°)	101.3	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-G3

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	4345.5	4345.5	4345.5	4345.5	4345.5	4345.5	4345.5	4345.5	4345.5	4345.5	4345.5
2.5°	4331.9	4325.1	4338.7	4359.2	4369.4	4352.4	4345.5	4342.1	4342.1	4331.9	4349.0
5°	4127.2	4123.8	4154.5	4192.1	4263.7	4314.8	4383.1	4424.0	4410.4	4389.9	4403.5
7.5°	3861.2	3854.4	3891.9	3963.5	4062.4	4175.0	4342.1	4471.7	4522.9	4516.1	4512.7
10°	3963.5	3956.7	3953.3	3932.8	3966.9	4076.1	4250.0	4478.6	4652.5	4655.9	4659.3
12.5°	4318.3	4335.3	4318.3	4253.4	4178.4	4137.5	4239.8	4495.6	4761.7	4782.1	4867.4
15°	4802.6	4785.6	4751.4	4676.4	4560.4	4437.6	4362.6	4574.1	4918.6	4935.6	5123.2
17.5°	5229.0	5242.6	5222.2	5150.5	5014.1	4853.8	4625.2	4710.5	5085.7	5133.5	5396.1
20°	5692.9	5747.4	5720.2	5631.5	5518.9	5280.1	4993.6	4908.3	5269.9	5304.0	5679.2
22.5°	6228.4	6286.4	6235.2	6149.9	6057.8	5764.5	5396.1	5150.5	5423.4	5495.0	5952.1
25°	6869.6	6924.2	6876.5	6743.4	6627.5	6269.3	5829.3	5423.4	5573.5	5651.9	6173.8
27.5°	7377.9	7418.8	7463.1	7384.7	7207.3	6835.5	6279.5	5706.5	5723.6	5805.4	6378.5
30°	7831.5	7933.9	7971.4	7981.6	7831.5	7415.4	6740.0	5999.9	5853.2	5938.5	6583.1
32.5°	8452.3	8605.8	8544.4	8605.8	8517.1	7961.1	7217.6	6303.4	6020.3	6098.8	6777.5
35°	9359.6	9482.4	9322.1	9274.4	9131.1	8513.7	7678.0	6617.2	6242.0	6327.3	6961.7
37.5°	10335.2	10475.0	10243.1	10052.1	9779.2	9059.5	8073.7	7030.0	6549.0	6617.2	7132.3
40°	11187.9	11303.9	11102.6	10850.2	10393.1	9540.4	8414.8	7319.9	6856.0	6941.3	7330.1
42.5°	11975.8	12050.9	11825.7	11583.6	10973.0	9973.6	8783.2	7626.9	7214.1	7296.0	7490.4
45°	12774.0	12832.0	12518.2	12173.7	11457.4	10369.3	9189.1	8056.6	7739.4	7848.6	7749.7
47.5°	12917.2	12934.3	12879.7	12647.8	11839.4	10747.9	9690.5	8633.1	8541.0	8660.4	8196.5
50°	11924.7	12078.2	12415.8	12644.4	11992.9	11065.1	10191.9	9458.5	9646.1	9799.6	9124.3
52.5°	9997.5	10144.1	10925.3	11791.6	11624.5	11136.7	10730.8	10505.7	11205.0	11389.1	10386.3
55°	7964.6	8094.2	8919.6	10168.0	10434.1	10809.3	11307.3	11842.8	13193.5	13316.3	11771.2
57.5°	6559.2	6630.9	7221.0	8421.6	8848.0	9762.1	11617.7	13432.3	15216.2	15403.8	12975.2
60°	5379.1	5457.5	5897.5	6886.7	7452.9	8264.7	11372.1	15001.3	17631.2	17631.2	14520.4
62.5°	4048.8	4117.0	4526.3	5300.6	6252.3	6995.8	10587.6	16041.7	19452.6	19370.8	15639.2
65°	2779.9	2834.5	3131.2	3646.3	4502.4	5962.3	9516.5	16055.3	20660.1	20550.9	16116.7
66°	2333.1	2380.8	2633.2	3049.4	3769.1	5409.8	9137.9	15765.4	20912.5	20759.0	15915.5
67.5°	1841.9	1876.0	2043.2	2288.7	2762.9	4379.7	8541.0	14943.3	20888.6	20796.5	15403.8
70°	1316.6	1340.5	1463.3	1514.5	1633.8	2534.3	6784.4	13087.8	19213.8	19241.1	13391.4
72.5°	1019.9	1057.4	1132.4	1142.7	1115.4	1347.3	4117.0	10918.4	15717.6	15707.4	9939.5
75°	822.0	842.5	880.0	900.5	893.7	869.8	1743.0	8145.3	10819.5	10945.7	5566.7
77.5°	648.1	644.7	678.8	706.1	726.5	682.2	798.2	4775.3	5672.4	5512.1	2090.9
80°	477.5	477.5	525.3	535.5	566.2	573.0	532.1	1841.9	1947.6	1770.3	542.3
82.5°	313.8	313.8	365.0	371.8	402.5	446.8	385.4	552.6	538.9	511.6	245.6
85°	170.5	163.7	180.8	204.7	221.7	262.6	231.9	276.3	283.1	279.7	163.7
87.5°	34.1	30.7	47.8	54.6	61.4	81.9	75.0	112.6	156.9	153.5	71.6
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°	4345.5	4345.5	4345.5	4345.5	4345.5	4345.5	4345.5	4345.5	4345.5	4345.5	4345.5
2.5°	4372.8	4369.4	4406.9	4451.3	4502.4	4533.1	4546.8	4570.7	4553.6	4560.4	4580.9
5°	4437.6	4447.9	4502.4	4560.4	4584.3	4567.3	4529.7	4516.1	4485.4	4478.6	4471.7
7.5°	4533.1	4550.2	4604.8	4618.4	4546.8	4427.4	4342.1	4294.4	4243.2	4229.6	4222.7
10°	4690.0	4700.3	4713.9	4574.1	4396.7	4236.4	4130.7	4086.3	4052.2	4024.9	4031.7
12.5°	4887.9	4881.1	4775.3	4485.4	4233.0	4069.3	3997.6	3970.3	3946.5	3929.4	3926.0
15°	5136.9	5089.1	4785.6	4362.6	4079.5	3943.1	3891.9	3881.7	3854.4	3854.4	3851.0
17.5°	5389.3	5266.5	4778.7	4233.0	3932.8	3857.8	3827.1	3820.3	3813.4	3810.0	3820.3
20°	5641.7	5423.4	4724.2	4072.7	3830.5	3786.1	3779.3	3782.7	3775.9	3786.1	3779.3
22.5°	5863.4	5525.7	4621.8	3902.1	3758.9	3755.4	3738.4	3745.2	3769.1	3772.5	3782.7
25°	6034.0	5563.2	4471.7	3745.2	3707.7	3700.9	3721.3	3748.6	3769.1	3772.5	3789.6
27.5°	6173.8	5542.8	4284.1	3622.4	3619.0	3656.5	3717.9	3728.2	3731.6	3731.6	3717.9
30°	6279.5	5498.4	4045.4	3486.0	3503.0	3595.1	3653.1	3653.1	3625.8	3619.0	3639.5
32.5°	6303.4	5440.5	3786.1	3346.1	3373.4	3482.6	3554.2	3530.3	3499.6	3499.6	3513.3
35°	6323.9	5362.0	3578.1	3155.1	3196.1	3325.7	3393.9	3346.1	3312.0	3301.8	3298.4
37.5°	6317.1	5331.3	3390.5	2912.9	2967.5	3093.7	3138.1	3093.7	3042.6	3018.7	3049.4
40°	6323.9	5310.8	3155.1	2646.9	2701.5	2776.5	2834.5	2800.4	2752.6	2691.2	2721.9
42.5°	6364.8	5338.1	2895.9	2387.7	2387.7	2428.6	2527.5	2503.6	2387.7	2363.8	2391.1
45°	6583.1	5484.8	2636.7	2128.4	2090.9	2118.2	2220.5	2118.2	2046.6	2046.6	2070.4
47.5°	7111.8	5757.7	2408.1	1899.9	1811.2	1865.8	1893.1	1797.6	1743.0	1729.3	1753.2
50°	8189.7	6303.4	2271.7	1712.3	1603.1	1644.1	1627.0	1623.6	1569.0	1575.9	1589.5
52.5°	9826.9	7367.6	2230.8	1620.2	1483.8	1494.0	1476.9	1483.8	1473.5	1507.6	1517.9
55°	11610.9	8489.8	2281.9	1633.8	1401.9	1330.3	1337.1	1371.2	1412.1	1466.7	1476.9
57.5°	12944.5	9052.6	2414.9	1725.9	1299.6	1190.4	1207.5	1272.3	1350.7	1395.1	1419.0
60°	13937.1	8984.4	2609.4	1749.8	1176.8	1064.2	1094.9	1190.4	1258.6	1296.2	1320.0
62.5°	14261.2	8558.1	2657.1	1575.9	1016.5	944.8	1019.9	1118.8	1149.5	1190.4	1207.5
65°	13995.1	7954.3	2309.2	1279.1	893.7	856.1	965.3	1040.3	1081.3	1101.7	1105.1
66°	13681.3	7592.8	2121.6	1163.1	849.3	828.9	944.8	1006.2	1047.2	1043.7	1047.2
67.5°	12992.3	6835.5	1818.0	999.4	784.5	787.9	910.7	951.7	965.3	955.1	955.1
70°	10649.0	4812.8	1303.0	757.2	689.0	736.8	818.6	828.9	859.6	845.9	845.9
72.5°	6566.1	2363.8	873.2	579.9	614.0	689.0	685.6	719.7	791.3	811.8	825.4
75°	3226.8	958.5	576.4	491.2	549.2	576.4	569.6	654.9	757.2	845.9	876.6
77.5°	1224.5	477.5	402.5	429.8	443.4	433.2	453.7	593.5	757.2	917.5	948.2
80°	378.6	330.9	317.2	354.7	334.3	317.2	341.1	491.2	641.3	695.8	695.8
82.5°	228.5	259.2	245.6	242.2	225.1	228.5	245.6	351.3	494.6	518.5	518.5
85°	160.3	170.5	139.8	133.0	129.6	126.2	126.2	204.7	293.3	289.9	300.2
87.5°	61.4	68.2	51.2	51.2	47.8	34.1	27.3	34.1	34.1	23.9	17.1
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)