

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: P1211255

Luminaire Tested: **ARCH4-220-722-U-T3RE**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1211255
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: ARCH4-220-722-U-T3RE
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 2200K, 870mA LIGHTSQUARES WITH 40 LEDS EACH AND TYPE III
ROADWAY ILLUMINANCE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28388 lumens
Efficiency: N/A
Efficacy: 128.0 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

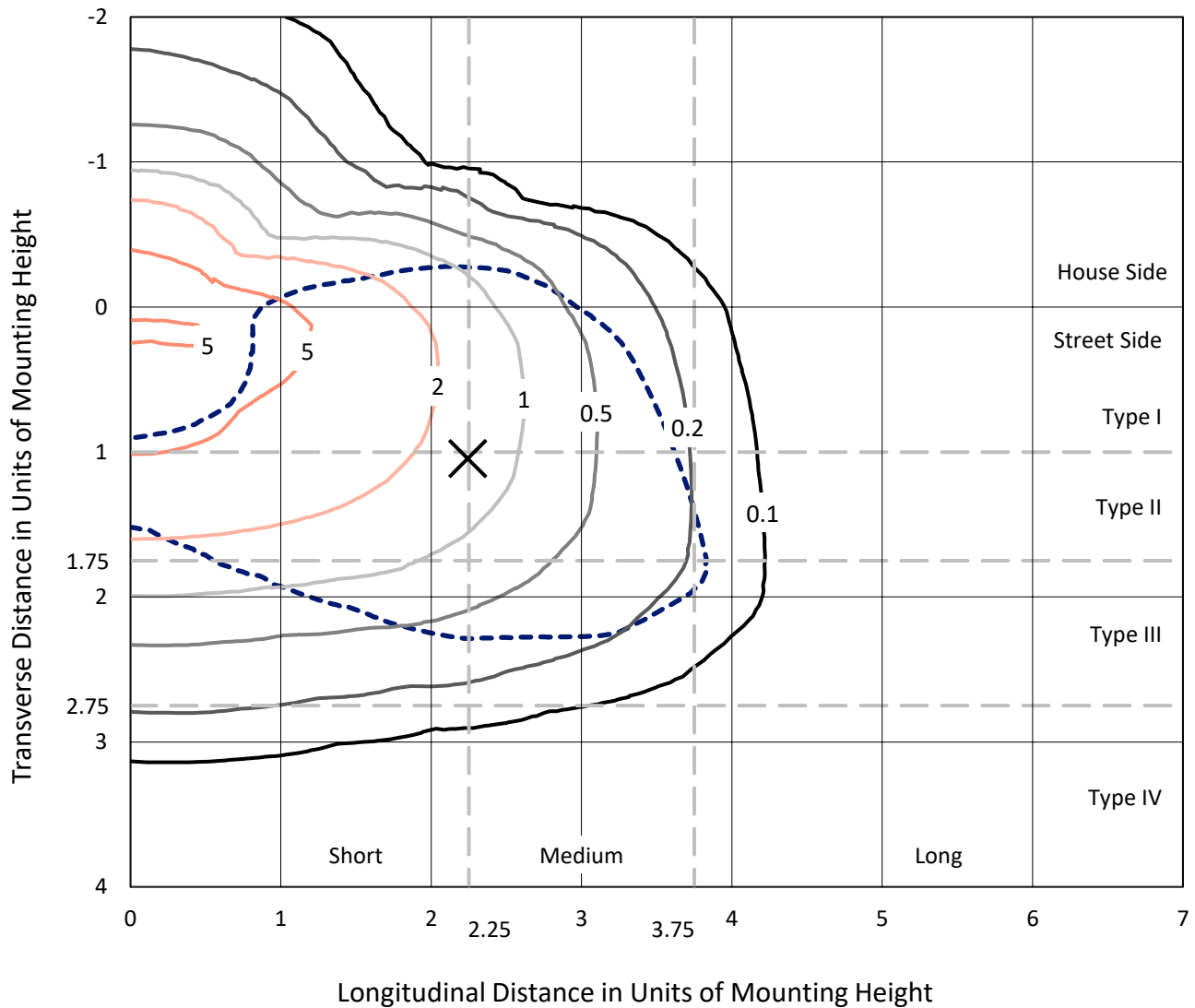
Input Watts (W): 221.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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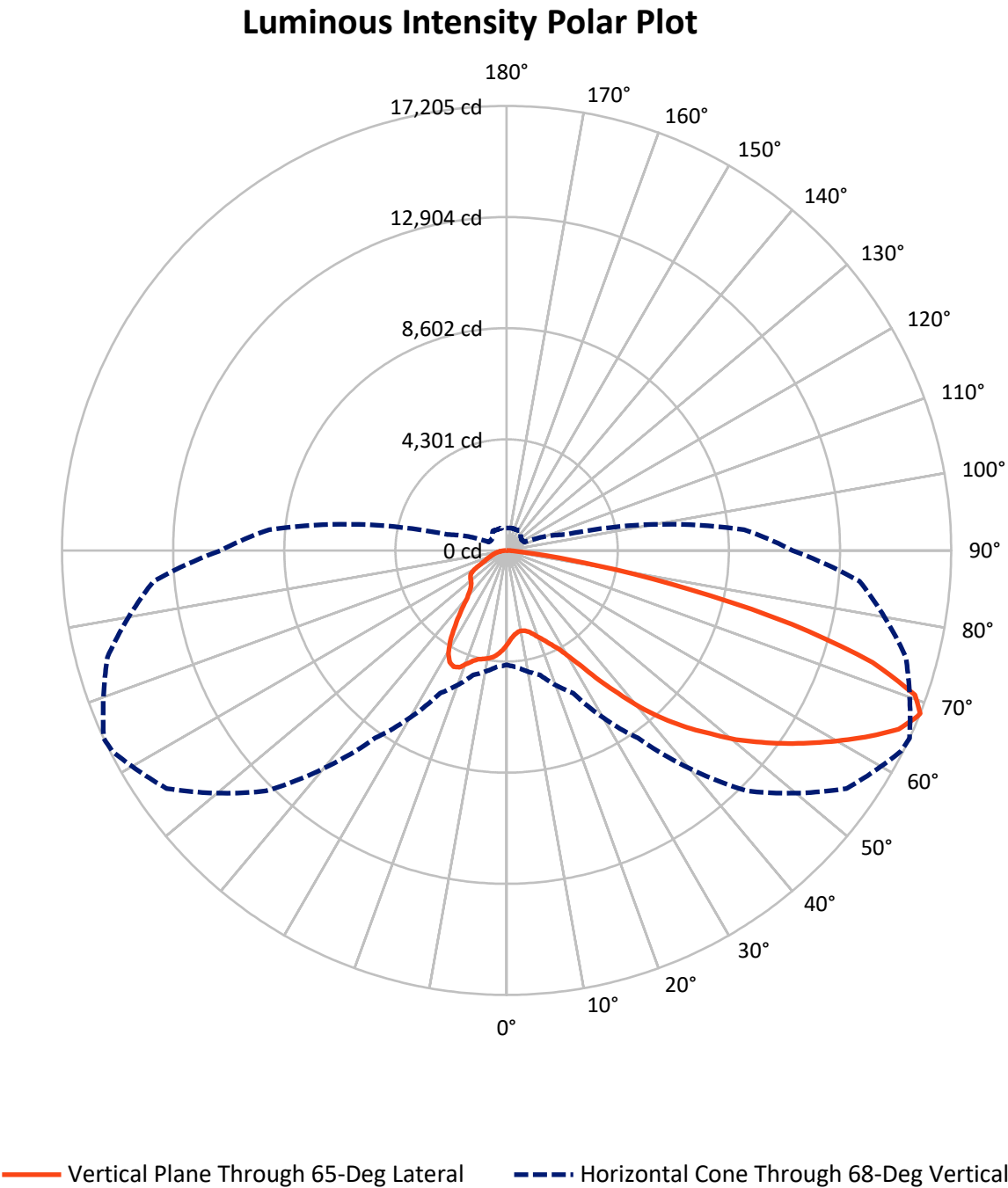
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6959.9	0.0	6959.9
	% Fixture	24.5	0.0	24.5
Street Side	Lumens	21428.1	0.0	21428.1
	% Fixture	75.5	0.0	75.5
Total	Lumens	28388.0	0.0	28388.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	346.7	1.2
10°-20°	1128.8	4.0
20°-30°	2043.1	7.2
30°-40°	3214.0	11.3
40°-50°	4786.9	16.9
50°-60°	6279.4	22.1
60°-70°	6867.0	24.2
70°-80°	3398.0	12.0
80°-90°	324.1	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°	28388.0	100.0
0°-180°	28388.0	100.0

Coefficient of Utilization



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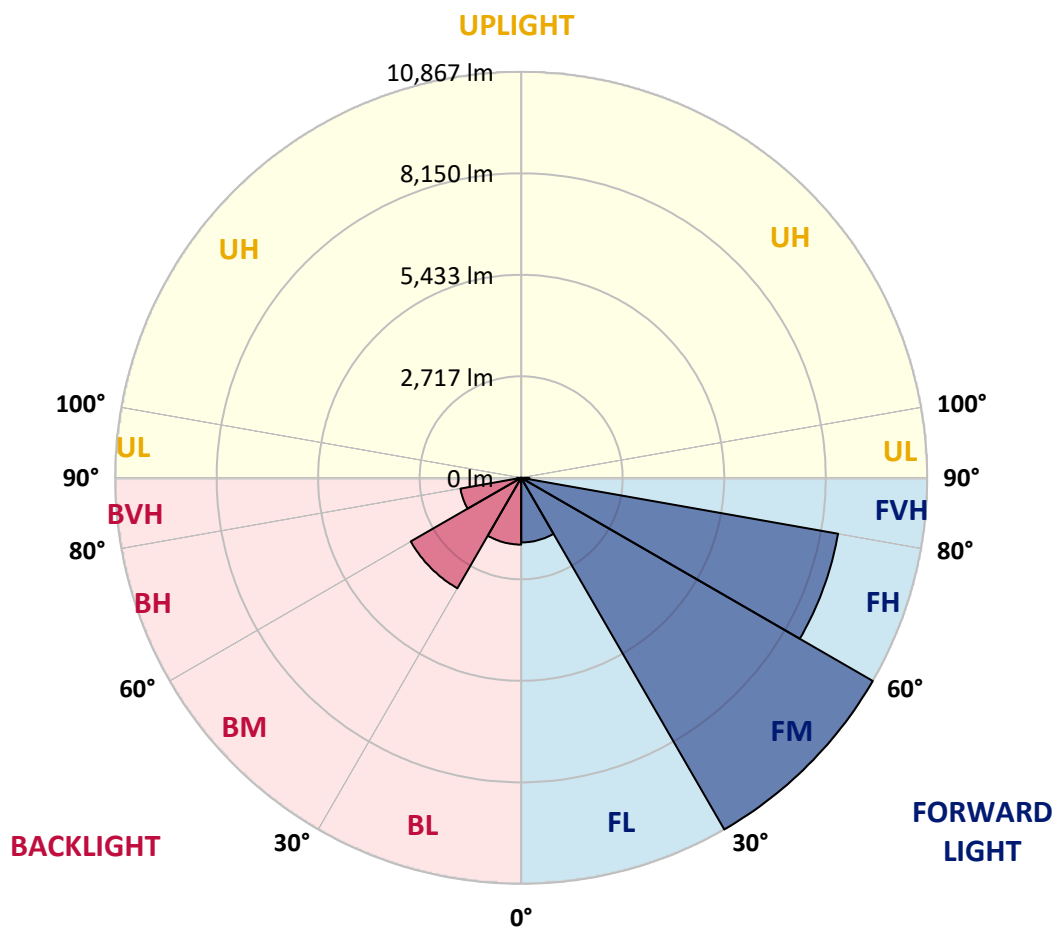
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1730.6	6.1			
FM	(30°-60°)	10866.5	38.3			
FH	(60°-80°)	8613.0	30.3			G4/12000
FVH	(80°-90°)	218.0	0.8			G2/225
BL	(0°-30°)	1788.1	6.3	B3/2500		
BM	(30°-60°)	3413.8	12.0	B3/5000		
BH	(60°-80°)	1651.9	5.8	B3/2500		G3/2500
BVH	(80°-90°)	106.1	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°	3627.6	3627.6	3627.6	3627.6	3627.6	3627.6	3627.6	3627.6	3627.6	3627.6	3627.6
2.5°	3166.4	3159.1	3177.4	3195.7	3236.0	3283.5	3349.4	3404.3	3411.7	3514.2	3594.7
5°	2979.7	2968.7	2987.0	3009.0	3027.3	3085.9	3155.4	3236.0	3268.9	3419.0	3591.0
7.5°	2998.0	2994.4	3001.7	2994.4	2994.4	3020.0	3067.6	3148.1	3184.7	3364.1	3609.3
10°	3104.2	3111.5	3115.2	3093.2	3071.2	3060.3	3074.9	3129.8	3155.4	3367.7	3689.9
12.5°	3279.9	3290.9	3294.5	3254.3	3225.0	3177.4	3151.8	3173.7	3192.0	3404.3	3803.3
15°	3517.8	3525.1	3499.5	3473.9	3400.7	3342.1	3279.9	3261.6	3268.9	3481.2	3931.5
17.5°	3796.0	3785.0	3785.0	3722.8	3627.6	3536.1	3433.6	3419.0	3419.0	3605.7	4114.5
20°	4099.9	4110.8	4077.9	3993.7	3898.5	3755.8	3653.3	3587.4	3594.7	3748.4	4337.8
22.5°	4539.1	4557.4	4469.6	4348.8	4202.4	4037.6	3891.2	3785.0	3788.7	3935.1	4568.4
25°	5011.3	5018.7	4963.8	4802.7	4605.0	4370.7	4176.7	4041.3	4037.6	4143.8	4864.9
27.5°	5494.5	5527.5	5417.7	5263.9	5080.9	4788.0	4531.8	4348.8	4319.5	4462.3	5234.6
30°	5992.4	6032.6	5926.5	5776.4	5549.4	5300.5	4996.7	4784.4	4766.1	4956.4	5728.8
32.5°	6493.9	6504.9	6420.7	6296.2	6091.2	5856.9	5611.7	5377.4	5359.1	5670.2	6369.4
35°	6903.9	6936.8	6878.2	6849.0	6698.9	6482.9	6245.0	6109.5	6157.1	6556.1	7200.4
37.5°	7398.0	7431.0	7365.1	7357.8	7310.2	7123.5	6958.8	6969.8	7017.3	7559.1	8075.3
40°	8111.9	8148.5	7980.1	7906.9	7906.9	7723.8	7668.9	7928.8	7991.1	8547.5	8986.7
42.5°	8715.9	8774.4	8675.6	8628.0	8485.2	8357.1	8423.0	8789.1	8895.2	9491.9	9781.1
45°	9008.7	9052.6	9169.8	9308.9	9169.8	8946.5	9195.4	9609.0	9759.1	10363.1	10575.4
47.5°	9166.1	9206.4	9341.8	9715.2	9810.4	9623.7	9975.1	10491.2	10593.7	11227.0	11333.2
50°	9188.1	9316.2	9491.9	9865.3	10300.9	10326.5	10758.5	11388.1	11508.9	12076.3	11999.4
52.5°	9008.7	9060.0	9422.3	10052.0	10535.2	10974.4	11611.4	12248.3	12336.2	12874.3	12588.8
55°	8715.9	8789.1	9151.5	10008.0	10762.1	11589.4	12478.9	13093.9	13192.8	13650.3	13134.2
57.5°	8452.3	8488.9	8876.9	9879.9	10989.1	12204.4	13251.3	13976.1	14042.0	14331.2	13536.8
60°	8159.4	8199.7	8587.7	9605.4	11157.5	12669.3	14056.7	14865.6	14924.2	15048.7	14005.4
62.5°	7401.7	7507.9	7994.7	9151.5	11113.5	13200.1	14916.9	15744.2	15817.4	15682.0	14375.1
65°	6010.7	6160.8	6757.4	8122.8	10703.6	13544.2	15619.7	16553.2	16677.6	16157.8	14474.0
67.5°	4667.2	4773.4	5252.9	6446.3	9264.9	13372.1	16073.6	17109.6	17146.2	16081.0	13924.9
68°	4425.6	4531.8	4989.4	6094.9	8865.9	13167.1	16062.7	17124.2	17204.8	15996.8	13712.6
70°	3386.0	3506.8	3942.5	4828.3	7145.5	11864.0	15392.8	16772.8	16761.8	14979.1	12394.7
72.5°	2115.8	2185.4	2485.5	3045.6	4725.8	9027.0	13064.6	14792.4	14821.7	12211.7	9506.5
75°	1343.4	1343.4	1328.8	1475.2	2423.3	5143.1	9711.5	11388.1	11410.0	8551.1	5992.4
77.5°	1167.7	1134.8	977.4	827.3	966.4	1998.7	5747.1	7354.1	7233.3	4605.0	2844.3
80°	984.7	929.8	801.7	666.2	622.3	626.0	2207.3	3733.8	3572.7	1658.2	944.4
82.5°	710.2	662.6	604.0	523.5	479.5	373.4	461.2	1079.9	1054.2	479.5	307.5
85°	384.4	347.8	340.4	344.1	289.2	230.6	194.0	237.9	237.9	208.7	175.7
87.5°	135.4	98.8	117.1	131.8	113.5	95.2	76.9	91.5	95.2	91.5	84.2
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°	3627.6	3627.6	3627.6	3627.6	3627.6	3627.6	3627.6	3627.6	3627.6	3627.6	3627.6
2.5°	3642.3	3678.9	3766.7	3843.6	3898.5	3946.1	3971.7	3982.7	4008.3	4012.0	4004.7
5°	3671.6	3766.7	3898.5	4012.0	4074.2	4099.9	4107.2	4110.8	4099.9	4107.2	4099.9
7.5°	3748.4	3869.2	4055.9	4154.8	4165.7	4125.5	4129.1	4114.5	4129.1	4143.8	4143.8
10°	3865.6	4019.3	4195.0	4231.6	4184.1	4162.1	4206.0	4293.9	4323.2	4363.4	4363.4
12.5°	4019.3	4202.4	4326.8	4293.9	4249.9	4323.2	4451.3	4539.1	4568.4	4583.1	4572.1
15°	4195.0	4392.7	4454.9	4345.1	4425.6	4583.1	4627.0	4575.7	4502.5	4469.6	4487.9
17.5°	4418.3	4583.1	4546.4	4473.2	4656.3	4678.2	4535.5	4370.7	4253.6	4209.7	4239.0
20°	4652.6	4795.4	4627.0	4659.9	4773.4	4539.1	4268.2	4055.9	3953.4	3935.1	3964.4
22.5°	4901.5	4993.0	4707.5	4875.9	4707.5	4231.6	3905.8	3796.0	3770.4	3799.7	3825.3
25°	5183.4	5172.4	4846.6	4941.8	4462.3	3854.6	3660.6	3653.3	3653.3	3671.6	3708.2
27.5°	5501.9	5329.8	4985.7	4853.9	4037.6	3543.4	3506.8	3510.5	3499.5	3503.2	3521.5
30°	5871.6	5542.1	5139.5	4564.8	3561.8	3309.2	3294.5	3283.5	3257.9	3250.6	3257.9
32.5°	6336.5	5765.4	5296.9	4088.9	3144.4	3067.6	3060.3	3001.7	2939.5	2932.1	2957.8
35°	6925.8	6171.7	5377.4	3492.2	2800.3	2796.7	2771.1	2679.5	2599.0	2599.0	2580.7
37.5°	7599.4	6695.2	5410.3	2910.2	2514.8	2533.1	2459.9	2342.8	2280.5	2243.9	2254.9
40°	8287.6	7291.9	5406.7	2401.3	2265.9	2269.6	2214.7	2071.9	1918.1	1826.6	1848.6
42.5°	8950.1	7833.7	5311.5	2130.5	2064.6	2053.6	2009.7	1815.7	1687.5	1614.3	1618.0
45°	9480.9	8393.7	5165.1	1969.4	1881.5	1899.8	1801.0	1683.9	1566.7	1500.8	1497.2
47.5°	10011.7	8818.4	4930.8	1870.6	1746.1	1713.2	1672.9	1592.4	1504.5	1431.3	1434.9
50°	10494.9	9180.8	4711.2	1804.7	1621.6	1537.4	1544.8	1497.2	1420.3	1354.4	1350.8
52.5°	10835.3	9418.7	4590.4	1768.1	1471.6	1380.0	1405.7	1380.0	1306.8	1259.2	1255.6
55°	11175.8	9601.7	4630.6	1720.5	1306.8	1233.6	1277.5	1270.2	1230.0	1215.3	1219.0
57.5°	11450.3	9740.8	4773.4	1632.6	1149.4	1105.5	1178.7	1156.7	1127.5	1131.1	1131.1
60°	11717.5	9920.2	4941.8	1431.3	1014.0	1017.6	1087.2	1046.9	1028.6	1061.6	1065.2
62.5°	11995.7	10114.2	4802.7	1138.4	896.8	922.5	1003.0	970.1	977.4	1025.0	1039.6
65°	11962.8	10095.9	3913.2	933.4	794.3	845.6	966.4	955.4	959.1	977.4	984.7
67.5°	11289.2	9451.6	2690.5	794.3	721.1	783.4	937.1	893.2	896.8	885.9	889.5
68°	11062.3	9224.7	2372.1	772.4	706.5	768.7	922.5	882.2	885.9	874.9	871.2
70°	9825.0	7899.5	1500.8	680.9	655.2	728.5	849.3	834.6	831.0	823.6	823.6
72.5°	7489.6	5831.3	790.7	589.4	596.7	666.2	757.7	787.0	768.7	772.4	794.3
75°	4960.1	3506.8	549.1	505.2	523.5	571.1	673.5	732.1	713.8	724.8	713.8
77.5°	2624.6	1888.9	439.3	428.3	428.3	461.2	556.4	647.9	647.9	640.6	629.6
80°	860.2	666.2	351.4	336.8	344.1	362.4	446.6	530.8	541.8	527.1	519.8
82.5°	289.2	307.5	263.6	245.3	252.6	267.2	336.8	406.3	410.0	380.7	373.4
85°	179.4	205.0	164.7	161.1	161.1	164.7	205.0	223.3	205.0	183.0	190.4
87.5°	84.2	102.5	76.9	65.9	54.9	47.6	36.6	14.6	14.6	7.3	7.3
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)