

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: P1211221

Luminaire Tested: **ARCH4-210-722-U-T2RE**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1211221
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: ARCH4-210-722-U-T2RE
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 2200K, 835mA LIGHTSQUARES WITH 40 LEDS EACH AND TYPE II
ROADWAY ILLUMINANCE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27478 lumens
Efficiency: N/A
Efficacy: 128.9 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): 213.1
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



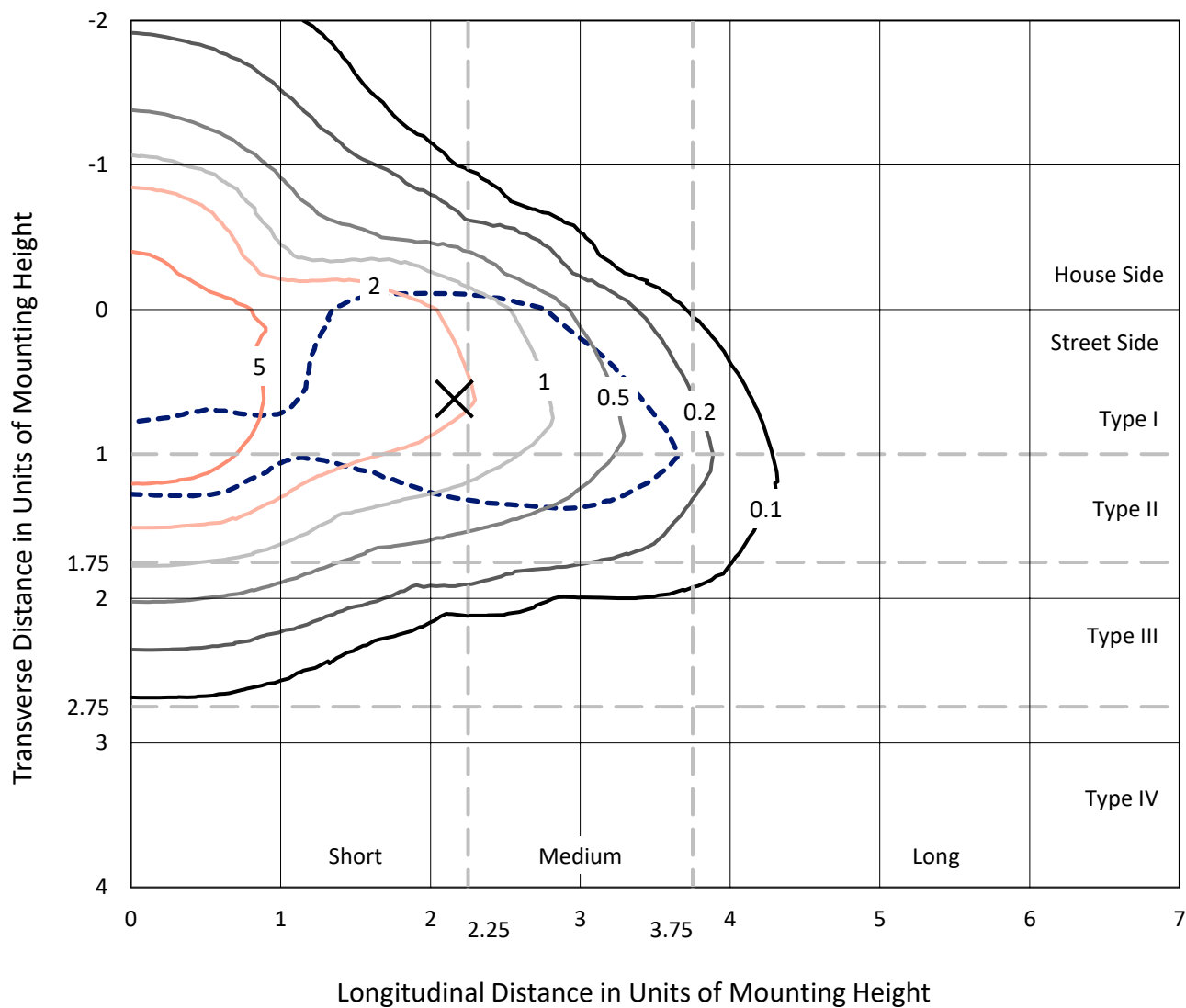
REPORT NUMBER: P1211221

CATALOG NUMBER: ARCH4-210-722-U-T2RE

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

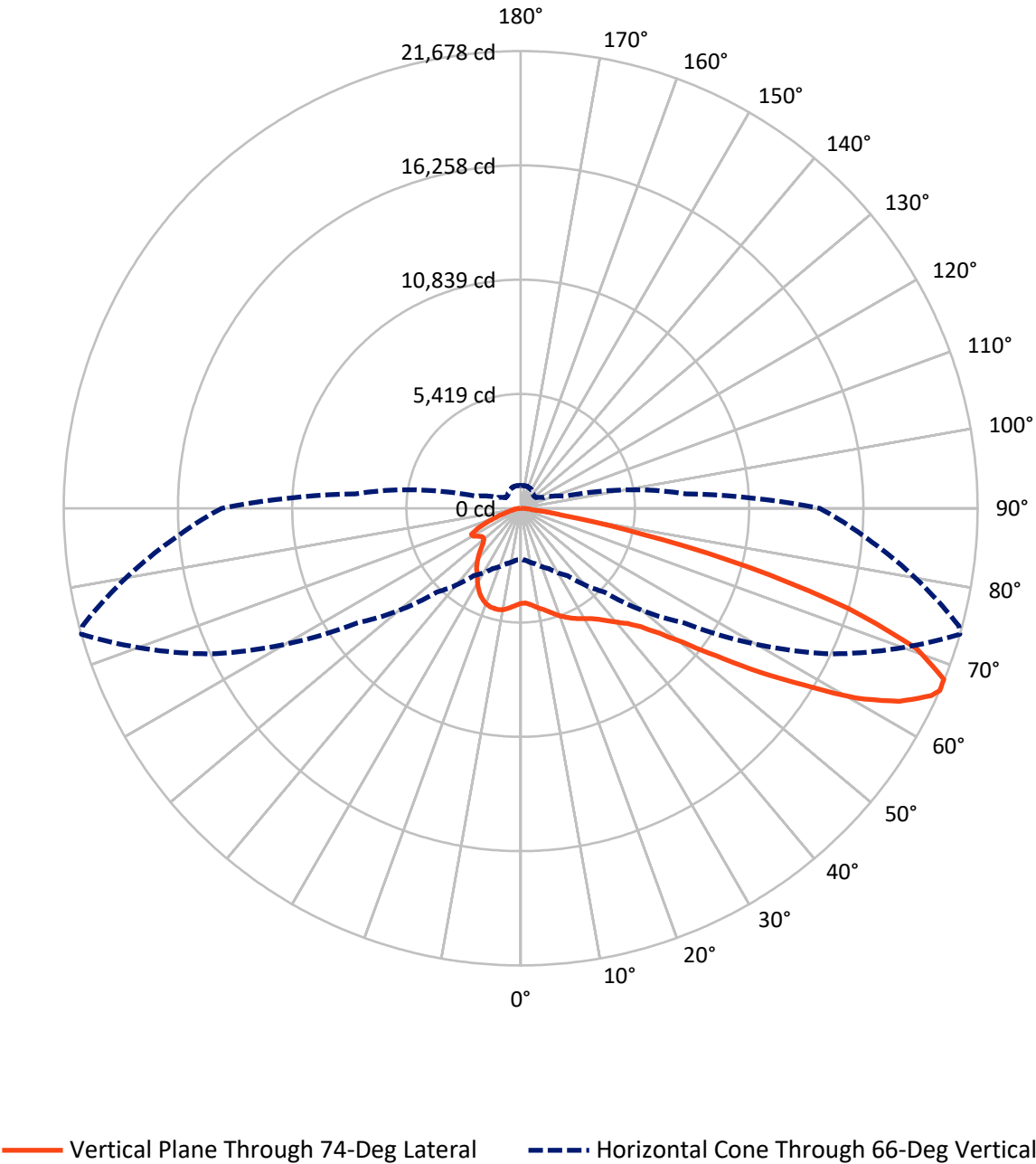
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.6 fc
 Type II - Short - N/A

REPORT NUMBER: P1211221
CATALOG NUMBER: ARCH4-210-722-U-T2RE

Luminous Intensity Polar Plot



REPORT NUMBER: P1211221

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6691.6	0.0	6691.6
	% Fixture	24.4	0.0	24.4
Street Side	Lumens	20786.4	0.0	20786.4
	% Fixture	75.6	0.0	75.6
Total	Lumens	27478.0	0.0	27478.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	429.7	1.6
10°-20°	1321.4	4.8
20°-30°	2479.6	9.0
30°-40°	3814.2	13.9
40°-50°	5130.5	18.7
50°-60°	6067.4	22.1
60°-70°	5612.7	20.4
70°-80°	2361.2	8.6
80°-90°	261.3	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°	27478.0	100.0
0°-180°	27478.0	100.0

Coefficient of Utilization



REPORT NUMBER: P1211221

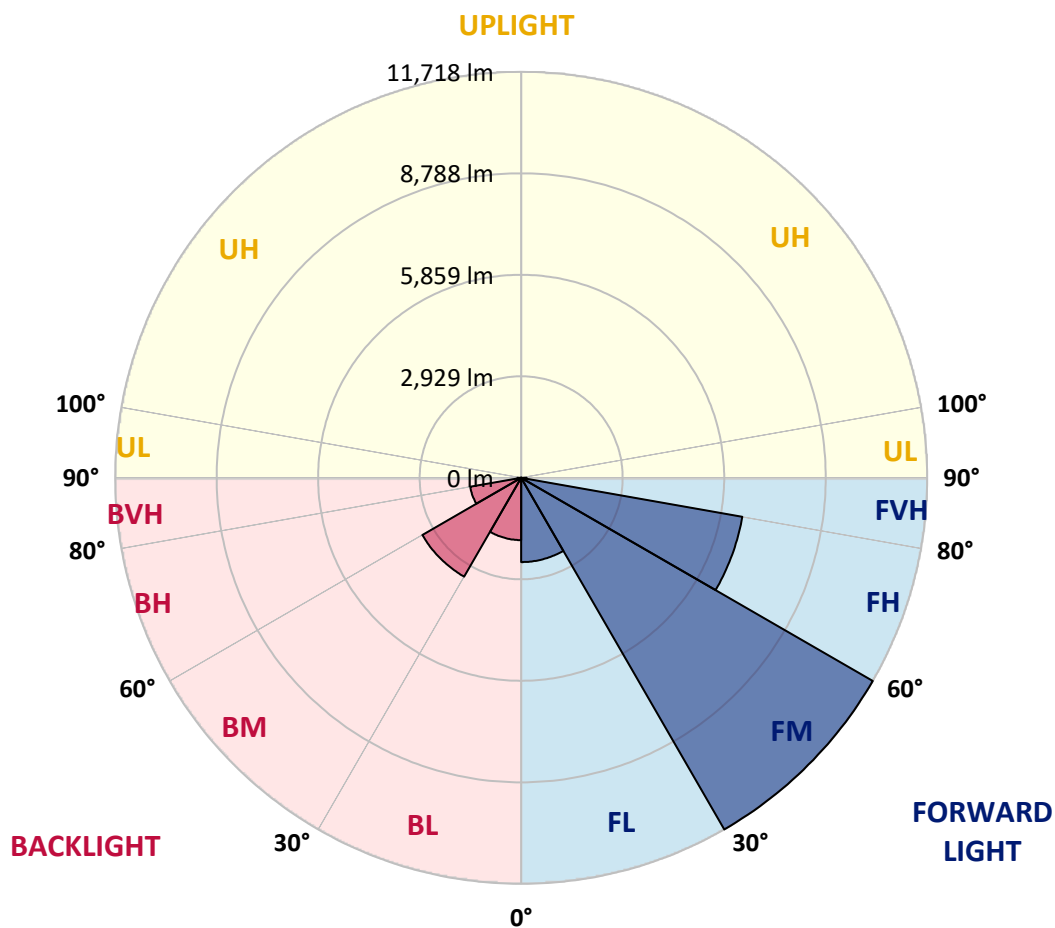
CATALOG NUMBER: ARCH4-210-722-U-T2RE

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2432.1	8.9			
FM	(30°-60°)	11717.8	42.6			
FH	(60°-80°)	6480.1	23.6			G3/7500
FVH	(80°-90°)	156.3	0.6			G2/225
BL	(0°-30°)	1798.6	6.5	B3/2500		
BM	(30°-60°)	3294.3	12.0	B3/5000		
BH	(60°-80°)	1493.8	5.4	B3/2500		G3/2500
BVH	(80°-90°)	105.0	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



REPORT NUMBER: P1211221

CATALOG NUMBER: ARCH4-210-722-U-T2RE

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	4504.6	4504.6	4504.6	4504.6	4504.6	4504.6	4504.6	4504.6	4504.6	4504.6	4504.6
2.5°	4490.4	4483.3	4497.5	4518.7	4529.3	4511.6	4504.6	4501.0	4501.0	4490.4	4508.1
5°	4278.3	4274.7	4306.6	4345.4	4419.7	4472.7	4543.5	4585.9	4571.7	4550.5	4564.7
7.5°	4002.5	3995.4	4034.3	4108.6	4211.1	4327.8	4501.0	4635.4	4688.4	4681.3	4677.8
10°	4108.6	4101.5	4097.9	4076.7	4112.1	4225.2	4405.6	4642.5	4822.8	4826.3	4829.8
12.5°	4476.3	4494.0	4476.3	4409.1	4331.3	4288.9	4394.9	4660.1	4935.9	4957.1	5045.5
15°	4978.3	4960.7	4925.3	4847.5	4727.3	4600.0	4522.2	4741.5	5098.6	5116.2	5310.7
17.5°	5420.3	5434.5	5413.2	5339.0	5197.6	5031.4	4794.5	4882.9	5271.8	5321.3	5593.6
20°	5901.2	5957.8	5929.5	5837.5	5720.9	5473.4	5176.4	5088.0	5462.7	5498.1	5887.0
22.5°	6456.3	6516.4	6463.4	6375.0	6279.5	5975.4	5593.6	5339.0	5621.9	5696.1	6169.9
25°	7121.0	7177.6	7128.1	6990.2	6870.0	6498.7	6042.6	5621.9	5777.4	5858.8	6399.7
27.5°	7647.8	7690.3	7736.2	7654.9	7471.1	7085.7	6509.3	5915.3	5933.0	6017.9	6611.9
30°	8118.1	8224.2	8263.1	8273.7	8118.1	7686.7	6986.7	6219.4	6067.4	6155.8	6824.0
32.5°	8761.6	8920.7	8857.1	8920.7	8828.8	8252.5	7481.7	6534.1	6240.6	6321.9	7025.6
35°	9702.1	9829.4	9663.2	9613.7	9465.2	8825.3	7959.0	6859.4	6470.4	6558.8	7216.5
37.5°	10713.4	10858.3	10617.9	10419.9	10137.0	9391.0	8369.1	7287.2	6788.7	6859.4	7393.3
40°	11597.3	11717.5	11508.9	11247.3	10773.5	9889.5	8722.7	7587.7	7106.9	7195.3	7598.3
42.5°	12414.1	12491.8	12258.5	12007.4	11374.5	10338.6	9104.6	7906.0	7478.1	7563.0	7764.5
45°	13241.4	13301.5	12976.2	12619.1	11876.6	10748.7	9525.3	8351.5	8022.6	8135.8	8033.2
47.5°	13389.9	13407.6	13351.0	13110.6	12272.6	11141.2	10045.1	8949.0	8853.5	8977.3	8496.4
50°	12361.0	12520.1	12870.2	13107.1	12431.7	11470.0	10564.8	9804.7	9999.1	10158.2	9458.2
52.5°	10363.3	10515.3	11325.0	12223.1	12049.9	11544.3	11123.5	10890.1	11615.0	11805.9	10766.4
55°	8256.0	8390.4	9246.0	10540.1	10815.9	11204.8	11721.0	12276.2	13676.3	13803.6	12201.9
57.5°	6799.3	6873.5	7485.2	8729.8	9171.8	10119.3	12042.8	13923.8	15773.0	15967.5	13450.0
60°	5575.9	5657.2	6113.3	7138.7	7725.6	8567.1	11788.2	15550.3	18276.3	18276.3	15051.7
62.5°	4196.9	4267.7	4692.0	5494.6	6481.0	7251.8	10975.0	16628.7	20164.4	20079.6	16211.5
65°	2881.6	2938.2	3245.8	3779.7	4667.2	6180.5	9864.8	16642.8	21416.1	21303.0	16706.5
66°	2418.5	2468.0	2729.6	3161.0	3907.0	5607.7	9472.3	16342.3	21677.7	21518.6	16497.9
67.5°	1909.3	1944.7	2117.9	2372.5	2864.0	4539.9	8853.5	15490.2	21653.0	21557.5	15967.5
70°	1364.8	1389.6	1516.8	1569.9	1693.6	2627.1	7032.6	13566.7	19916.9	19945.2	13881.4
72.5°	1057.2	1096.1	1173.9	1184.5	1156.2	1396.6	4267.7	11318.0	16292.8	16282.2	10303.2
75°	852.1	873.3	912.2	933.4	926.4	901.6	1806.8	8443.4	11215.4	11346.3	5770.4
77.5°	671.8	668.3	703.6	731.9	753.1	707.2	827.4	4950.1	5880.0	5713.8	2167.4
80°	495.0	495.0	544.5	555.1	586.9	594.0	551.6	1909.3	2018.9	1835.1	562.2
82.5°	325.3	325.3	378.3	385.4	417.2	463.2	399.5	572.8	558.7	530.4	254.6
85°	176.8	169.7	187.4	212.1	229.8	272.3	240.4	286.4	293.5	289.9	169.7
87.5°	35.4	31.8	49.5	56.6	63.6	84.9	77.8	116.7	162.6	159.1	74.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P1211221

CATALOG NUMBER: ARCH4-210-722-U-T2RE

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4504.6	4504.6	4504.6	4504.6	4504.6	4504.6	4504.6	4504.6	4504.6	4504.6	4504.6
2.5°	4532.8	4529.3	4568.2	4614.2	4667.2	4699.0	4713.2	4737.9	4720.2	4727.3	4748.5
5°	4600.0	4610.6	4667.2	4727.3	4752.1	4734.4	4695.5	4681.3	4649.5	4642.5	4635.4
7.5°	4699.0	4716.7	4773.3	4787.4	4713.2	4589.4	4501.0	4451.5	4398.5	4384.3	4377.3
10°	4861.7	4872.3	4886.4	4741.5	4557.6	4391.4	4281.8	4235.8	4200.5	4172.2	4179.3
12.5°	5066.7	5059.7	4950.1	4649.5	4387.9	4218.2	4143.9	4115.6	4090.9	4073.2	4069.7
15°	5324.9	5275.4	4960.7	4522.2	4228.8	4087.3	4034.3	4023.7	3995.4	3995.4	3991.9
17.5°	5586.5	5459.2	4953.6	4387.9	4076.7	3998.9	3967.1	3960.1	3953.0	3949.4	3960.1
20°	5848.1	5621.9	4897.0	4221.7	3970.7	3924.7	3917.6	3921.2	3914.1	3924.7	3917.6
22.5°	6078.0	5727.9	4791.0	4044.9	3896.4	3892.9	3875.2	3882.3	3907.0	3910.6	3921.2
25°	6254.8	5766.8	4635.4	3882.3	3843.4	3836.3	3857.5	3885.8	3907.0	3910.6	3928.2
27.5°	6399.7	5745.6	4440.9	3755.0	3751.4	3790.3	3854.0	3864.6	3868.1	3868.1	3854.0
30°	6509.3	5699.6	4193.4	3613.5	3631.2	3726.7	3786.8	3786.8	3758.5	3751.4	3772.7
32.5°	6534.1	5639.5	3924.7	3468.6	3496.9	3610.0	3684.3	3659.5	3627.7	3627.7	3641.8
35°	6555.3	5558.2	3709.0	3270.6	3313.0	3447.4	3518.1	3468.6	3433.2	3422.6	3419.1
37.5°	6548.2	5526.4	3514.5	3019.5	3076.1	3206.9	3252.9	3206.9	3153.9	3129.1	3161.0
40°	6555.3	5505.2	3270.6	2743.7	2800.3	2878.1	2938.2	2902.9	2853.4	2789.7	2821.5
42.5°	6597.7	5533.5	3001.9	2475.0	2475.0	2517.5	2620.0	2595.2	2475.0	2450.3	2478.6
45°	6824.0	5685.5	2733.1	2206.3	2167.4	2195.7	2301.8	2195.7	2121.5	2121.5	2146.2
47.5°	7372.1	5968.4	2496.2	1969.4	1877.5	1934.1	1962.3	1863.3	1806.8	1792.6	1817.4
50°	8489.4	6534.1	2354.8	1775.0	1661.8	1704.2	1686.6	1683.0	1626.4	1633.5	1647.7
52.5°	10186.5	7637.2	2312.4	1679.5	1538.1	1548.7	1531.0	1538.1	1527.4	1562.8	1573.4
55°	12035.7	8800.5	2365.4	1693.6	1453.2	1378.9	1386.0	1421.4	1463.8	1520.4	1531.0
57.5°	13418.2	9383.9	2503.3	1789.1	1347.1	1234.0	1251.7	1318.8	1400.2	1446.1	1470.9
60°	14447.1	9313.2	2704.9	1813.8	1219.8	1103.2	1135.0	1234.0	1304.7	1343.6	1368.3
62.5°	14783.0	8871.2	2754.4	1633.5	1053.7	979.4	1057.2	1159.7	1191.6	1234.0	1251.7
65°	14507.2	8245.4	2393.7	1325.9	926.4	887.5	1000.6	1078.4	1120.8	1142.1	1145.6
66°	14181.9	7870.6	2199.2	1205.7	880.4	859.2	979.4	1043.0	1085.5	1081.9	1085.5
67.5°	13467.7	7085.7	1884.6	1036.0	813.2	816.8	944.0	986.5	1000.6	990.0	990.0
70°	11038.6	4989.0	1350.7	784.9	714.2	763.7	848.6	859.2	891.0	876.9	876.9
72.5°	6806.3	2450.3	905.2	601.1	636.4	714.2	710.7	746.0	820.3	841.5	855.7
75°	3344.8	993.5	597.5	509.1	569.3	597.5	590.5	678.9	784.9	876.9	908.7
77.5°	1269.3	495.0	417.2	445.5	459.6	449.0	470.3	615.2	784.9	951.1	982.9
80°	392.5	343.0	328.8	367.7	346.5	328.8	353.6	509.1	664.7	721.3	721.3
82.5°	236.9	268.7	254.6	251.0	233.4	236.9	254.6	364.2	512.7	537.4	537.4
85°	166.2	176.8	145.0	137.9	134.4	130.8	130.8	212.1	304.1	300.5	311.1
87.5°	63.6	70.7	53.0	53.0	49.5	35.4	28.3	35.4	35.4	24.8	17.7
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)