

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: P1211167

Luminaire Tested: **ARCH4-190-730-U-T3RE**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1211167
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: ARCH4-190-730-U-T3RE
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 3000K, 1530mA LIGHTSQUARES WITH 40 LEDS EACH AND TYPE III
ROADWAY ILLUMINANCE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28818 lumens
Efficiency: N/A
Efficacy: 151.7 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): 190
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

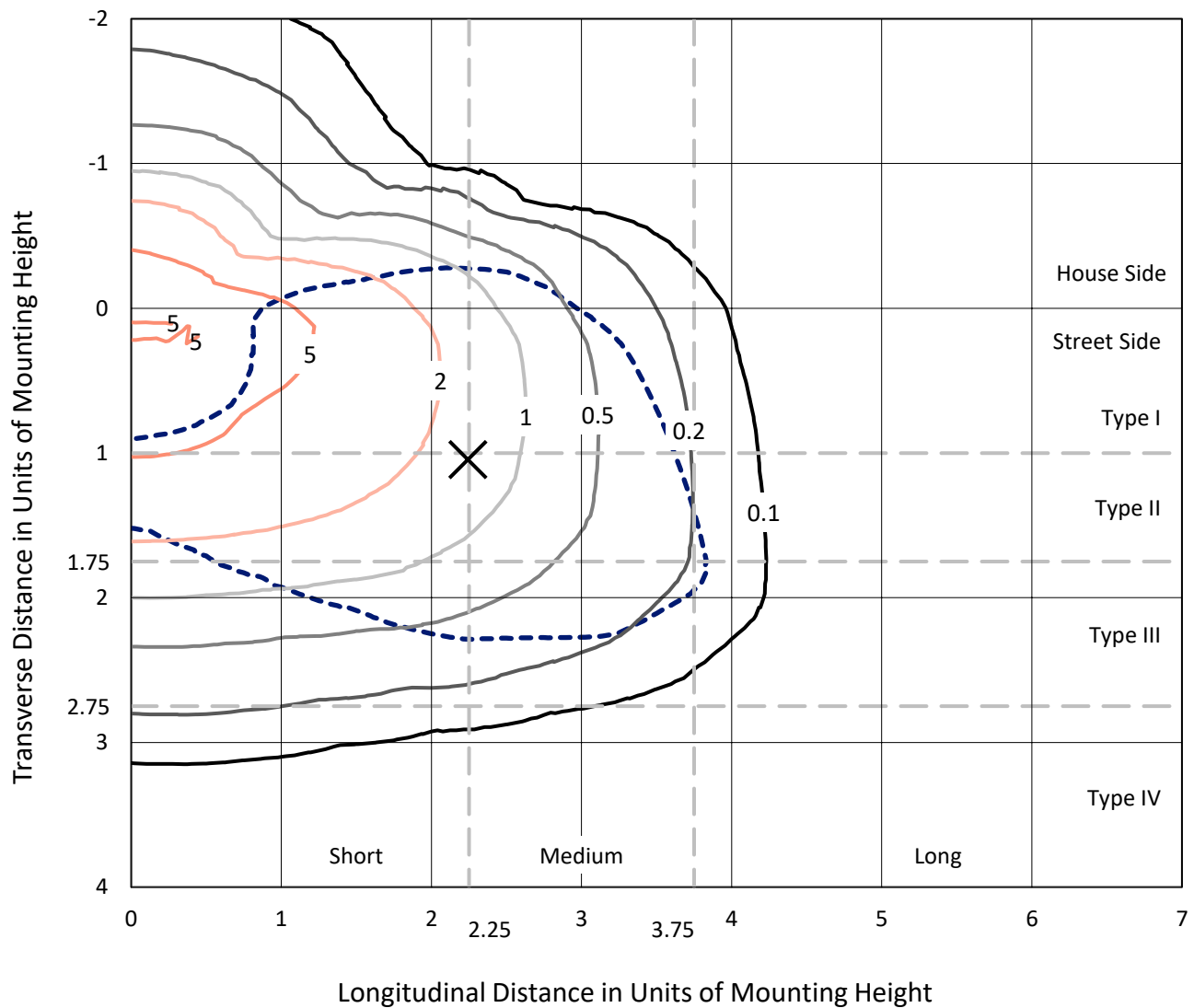


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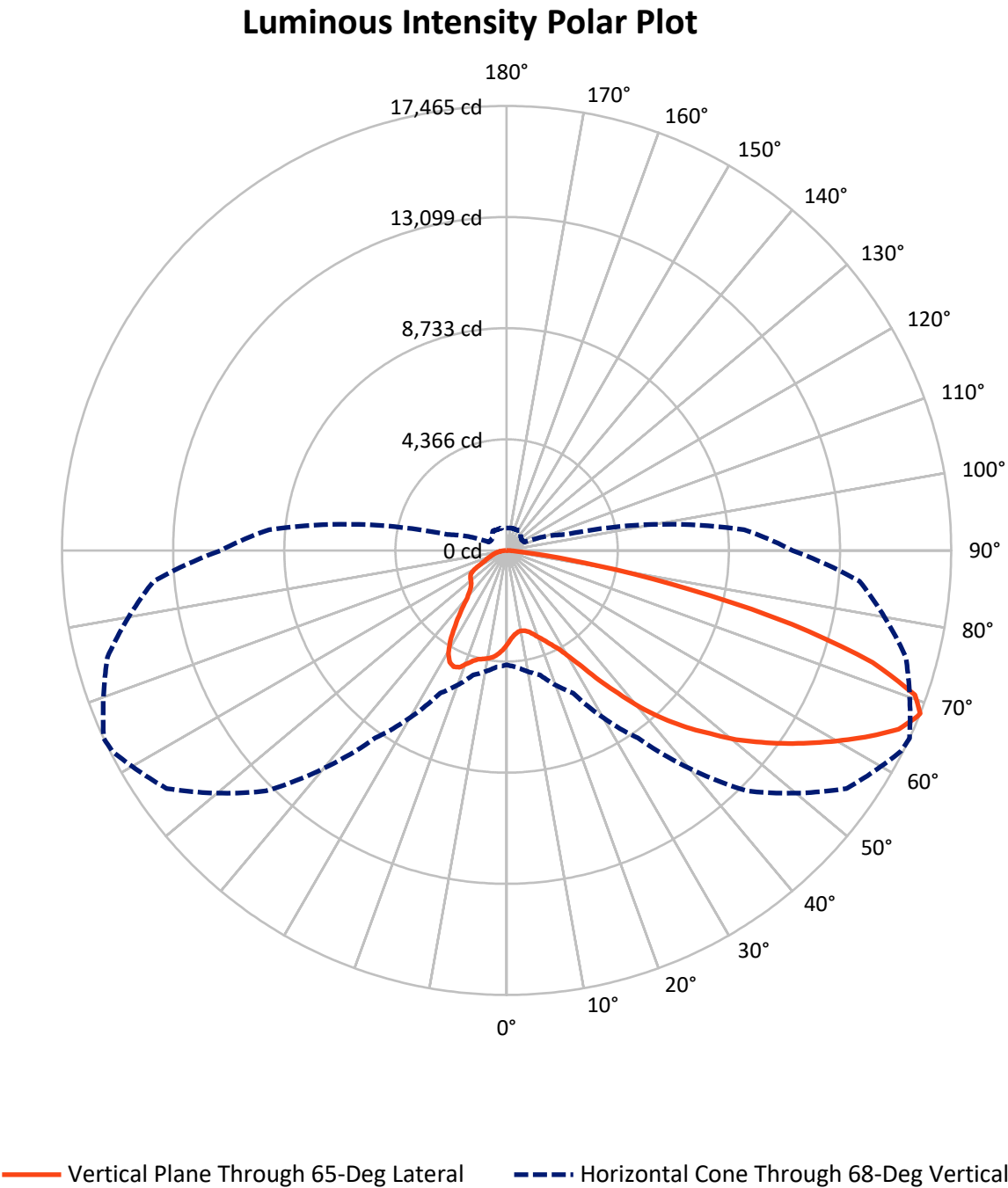
Iso-Footcandle Lines of Horizontal Illumination

× Max cd
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.7 fc
Type III - Short - N/A

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7065.3	0.0	7065.3
	% Fixture	24.5	0.0	24.5
Street Side	Lumens	21752.7	0.0	21752.7
	% Fixture	75.5	0.0	75.5
Total	Lumens	28818.0	0.0	28818.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	352.0	1.2
10°-20°	1145.9	4.0
20°-30°	2074.0	7.2
30°-40°	3262.7	11.3
40°-50°	4859.4	16.9
50°-60°	6374.6	22.1
60°-70°	6971.0	24.2
70°-80°	3449.4	12.0
80°-90°	329.0	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°	28818.0	100.0
0°-180°	28818.0	100.0

Coefficient of Utilization



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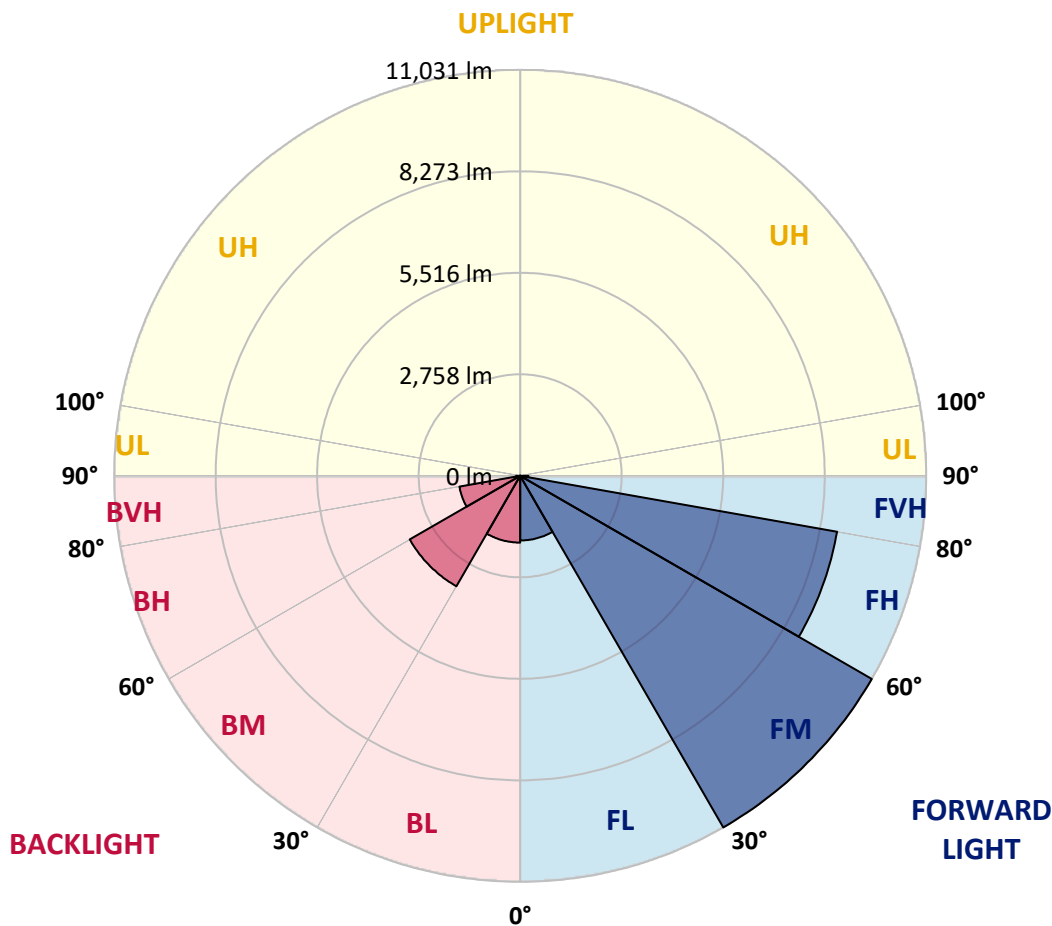
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1756.8	6.1			
FM	(30°-60°)	11031.1	38.3			
FH	(60°-80°)	8743.5	30.3			G4/12000
FVH	(80°-90°)	221.3	0.8			G2/225
BL	(0°-30°)	1815.1	6.3	B3/2500		
BM	(30°-60°)	3465.5	12.0	B3/5000		
BH	(60°-80°)	1677.0	5.8	B3/2500		G3/2500
BVH	(80°-90°)	107.7	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°	3682.6	3682.6	3682.6	3682.6	3682.6	3682.6	3682.6	3682.6	3682.6	3682.6	3682.6
2.5°	3214.4	3206.9	3225.5	3244.1	3285.0	3333.3	3400.2	3455.9	3463.3	3567.4	3649.1
5°	3024.9	3013.7	3032.3	3054.6	3073.2	3132.6	3203.2	3285.0	3318.4	3470.8	3645.4
7.5°	3043.4	3039.7	3047.1	3039.7	3039.7	3065.7	3114.0	3195.8	3232.9	3415.0	3664.0
10°	3151.2	3158.6	3162.3	3140.0	3117.8	3106.6	3121.5	3177.2	3203.2	3418.8	3745.8
12.5°	3329.6	3340.7	3344.4	3303.6	3273.8	3225.5	3199.5	3221.8	3240.4	3455.9	3861.0
15°	3571.1	3578.5	3552.5	3526.5	3452.2	3392.7	3329.6	3311.0	3318.4	3533.9	3991.0
17.5°	3853.5	3842.4	3842.4	3779.2	3682.6	3589.7	3485.6	3470.8	3470.8	3660.3	4176.8
20°	4162.0	4173.1	4139.7	4054.2	3957.6	3812.7	3708.6	3641.7	3649.1	3805.2	4403.5
22.5°	4607.9	4626.5	4537.3	4414.6	4266.0	4098.8	3950.1	3842.4	3846.1	3994.7	4637.6
25°	5087.3	5094.7	5038.9	4875.4	4674.8	4436.9	4240.0	4102.5	4098.8	4206.6	4938.6
27.5°	5577.8	5611.2	5499.7	5343.7	5157.9	4860.6	4600.5	4414.6	4384.9	4529.8	5313.9
30°	6083.1	6124.0	6016.3	5863.9	5633.5	5380.8	5072.4	4856.9	4838.3	5031.5	5815.6
32.5°	6592.2	6603.4	6517.9	6391.6	6183.5	5945.7	5696.7	5458.9	5440.3	5756.1	6465.9
35°	7008.4	7041.9	6982.4	6952.7	6800.3	6581.1	6339.6	6202.1	6250.4	6655.4	7309.4
37.5°	7510.1	7543.5	7476.7	7469.2	7420.9	7231.4	7064.2	7075.3	7123.6	7673.6	8197.6
40°	8234.7	8271.9	8101.0	8026.6	8026.6	7840.8	7785.1	8048.9	8112.1	8676.9	9122.9
42.5°	8847.9	8907.3	8807.0	8758.7	8613.8	8483.7	8550.6	8922.2	9030.0	9635.7	9929.2
45°	9145.2	9189.8	9308.7	9449.9	9308.7	9082.0	9334.7	9754.6	9906.9	10520.1	10735.6
47.5°	9304.9	9345.8	9483.3	9862.4	9959.0	9769.5	10126.2	10650.2	10754.2	11397.1	11504.8
50°	9327.2	9457.3	9635.7	10014.7	10456.9	10482.9	10921.4	11560.6	11683.2	12259.2	12181.2
52.5°	9145.2	9197.2	9565.1	10204.2	10694.7	11140.7	11787.3	12433.9	12523.0	13069.3	12779.4
55°	8847.9	8922.2	9290.1	10159.6	10925.1	11765.0	12668.0	13292.3	13392.6	13857.1	13333.1
57.5°	8580.3	8617.5	9011.4	10029.6	11155.5	12389.3	13452.0	14187.8	14254.7	14548.3	13741.9
60°	8283.0	8323.9	8717.8	9750.9	11326.5	12861.2	14269.6	15090.8	15150.3	15276.6	14217.5
62.5°	7513.8	7621.6	8115.8	9290.1	11281.9	13400.0	15142.8	15982.7	16057.0	15919.5	14592.9
65°	6101.7	6254.1	6859.8	8245.9	10865.7	13749.3	15856.3	16803.9	16930.3	16402.6	14693.2
67.5°	4737.9	4845.7	5332.5	6543.9	9405.3	13574.7	16317.1	17368.7	17405.9	16324.5	14135.8
68°	4492.7	4600.5	5065.0	6187.2	9000.2	13366.6	16306.0	17383.6	17465.4	16239.1	13920.3
70°	3437.3	3560.0	4002.2	4901.4	7253.7	12043.7	15625.9	17026.9	17015.7	15206.0	12582.5
72.5°	2147.9	2218.5	2523.2	3091.7	4797.4	9163.7	13262.5	15016.5	15046.2	12396.7	9650.5
75°	1363.8	1363.8	1348.9	1497.6	2460.0	5221.0	9858.6	11560.6	11582.9	8680.7	6083.1
77.5°	1185.4	1152.0	992.2	839.8	981.0	2029.0	5834.2	7465.5	7342.9	4674.8	2887.4
80°	999.6	943.9	813.8	676.3	631.7	635.4	2240.8	3790.4	3626.8	1683.4	958.7
82.5°	720.9	672.6	613.1	531.4	486.8	379.0	468.2	1096.2	1070.2	486.8	312.1
85°	390.2	353.0	345.6	349.3	293.6	234.1	196.9	241.5	241.5	211.8	178.4
87.5°	137.5	100.3	118.9	133.8	115.2	96.6	78.0	92.9	96.6	92.9	85.5
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°	3682.6	3682.6	3682.6	3682.6	3682.6	3682.6	3682.6	3682.6	3682.6	3682.6	3682.6
2.5°	3697.5	3734.6	3823.8	3901.8	3957.6	4005.9	4031.9	4043.0	4069.1	4072.8	4065.3
5°	3727.2	3823.8	3957.6	4072.8	4135.9	4162.0	4169.4	4173.1	4162.0	4169.4	4162.0
7.5°	3805.2	3927.8	4117.4	4217.7	4228.8	4188.0	4191.7	4176.8	4191.7	4206.6	4206.6
10°	3924.1	4080.2	4258.6	4295.7	4247.4	4225.1	4269.7	4358.9	4388.6	4429.5	4429.5
12.5°	4080.2	4266.0	4392.4	4358.9	4314.3	4388.6	4518.7	4607.9	4637.6	4652.5	4641.3
15°	4258.6	4459.2	4522.4	4410.9	4492.7	4652.5	4697.1	4645.0	4570.7	4537.3	4555.9
17.5°	4485.3	4652.5	4615.3	4541.0	4726.8	4749.1	4604.2	4436.9	4318.0	4273.4	4303.2
20°	4723.1	4868.0	4697.1	4730.5	4845.7	4607.9	4332.9	4117.4	4013.3	3994.7	4024.5
22.5°	4975.8	5068.7	4778.8	4949.8	4778.8	4295.7	3965.0	3853.5	3827.5	3857.2	3883.3
25°	5261.9	5250.8	4920.0	5016.6	4529.8	3913.0	3716.0	3708.6	3708.6	3727.2	3764.3
27.5°	5585.2	5410.5	5061.2	4927.5	4098.8	3597.1	3560.0	3563.7	3552.5	3556.2	3574.8
30°	5960.5	5626.1	5217.3	4633.9	3615.7	3359.3	3344.4	3333.3	3307.3	3299.8	3307.3
32.5°	6432.5	5852.8	5377.1	4150.8	3192.1	3114.0	3106.6	3047.1	2984.0	2976.5	3002.6
35°	7030.7	6265.2	5458.9	3545.1	2842.8	2839.1	2813.0	2720.1	2638.4	2638.4	2619.8
37.5°	7714.5	6796.6	5492.3	2954.2	2552.9	2571.5	2497.2	2378.3	2315.1	2277.9	2289.1
40°	8413.1	7402.3	5488.6	2437.7	2300.2	2303.9	2248.2	2103.3	1947.2	1854.3	1876.6
42.5°	9085.7	7952.3	5392.0	2162.7	2095.8	2084.7	2040.1	1843.2	1713.1	1638.8	1642.5
45°	9624.5	8520.9	5243.3	1999.2	1910.0	1928.6	1828.3	1709.4	1590.5	1523.6	1519.9
47.5°	10163.4	8951.9	5005.5	1898.9	1772.5	1739.1	1698.2	1616.5	1527.3	1453.0	1456.7
50°	10653.9	9319.8	4782.5	1832.0	1646.2	1560.7	1568.2	1519.9	1441.8	1374.9	1371.2
52.5°	10999.5	9561.4	4659.9	1794.8	1493.8	1400.9	1427.0	1400.9	1326.6	1278.3	1274.6
55°	11345.1	9747.2	4700.8	1746.5	1326.6	1252.3	1296.9	1289.5	1248.6	1233.7	1237.4
57.5°	11623.8	9888.4	4845.7	1657.4	1166.8	1122.2	1196.6	1174.3	1144.5	1148.3	1148.3
60°	11895.0	10070.5	5016.6	1453.0	1029.3	1033.1	1103.7	1062.8	1044.2	1077.6	1081.4
62.5°	12177.4	10267.4	4875.4	1155.7	910.4	936.4	1018.2	984.7	992.2	1040.5	1055.4
65°	12144.0	10248.8	3972.4	947.6	806.4	858.4	981.0	969.9	973.6	992.2	999.6
67.5°	11460.2	9594.8	2731.3	806.4	732.1	795.2	951.3	906.7	910.4	899.3	903.0
68°	11229.9	9364.4	2408.0	784.1	717.2	780.4	936.4	895.6	899.3	888.1	884.4
70°	9973.8	8019.2	1523.6	691.2	665.2	739.5	862.1	847.3	843.5	836.1	836.1
72.5°	7603.0	5919.6	802.7	598.3	605.7	676.3	769.2	798.9	780.4	784.1	806.4
75°	5035.2	3560.0	557.4	512.8	531.4	579.7	683.8	743.2	724.6	735.8	724.6
77.5°	2664.4	1917.5	445.9	434.8	434.8	468.2	564.8	657.7	657.7	650.3	639.2
80°	873.3	676.3	356.7	341.9	349.3	367.9	453.4	538.8	550.0	535.1	527.7
82.5°	293.6	312.1	267.6	249.0	256.4	271.3	341.9	412.5	416.2	386.5	379.0
85°	182.1	208.1	167.2	163.5	163.5	167.2	208.1	226.7	208.1	185.8	193.2
87.5°	85.5	104.0	78.0	66.9	55.7	48.3	37.2	14.9	14.9	7.4	7.4
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)