

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: P553561

Luminaire Tested: **VERD-G-CA2-150-730-U-T2**

Issue Date: 7/12/2021

Test Information

Test Method: LM-79-08
Report Number: P553561
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-155-2)
Test Lab: INNOVATION CENTER
Issue Date: 7/12/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: VERD-G-CA2-150-730-U-T2
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 3000K, 1380mA LEDS AND TYPE II OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21432 lumens
Efficiency: N/A
Efficacy: 140.8 lumens/watt
Luminous Opening: Rectangular (W 0.9' x L: 1.25' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

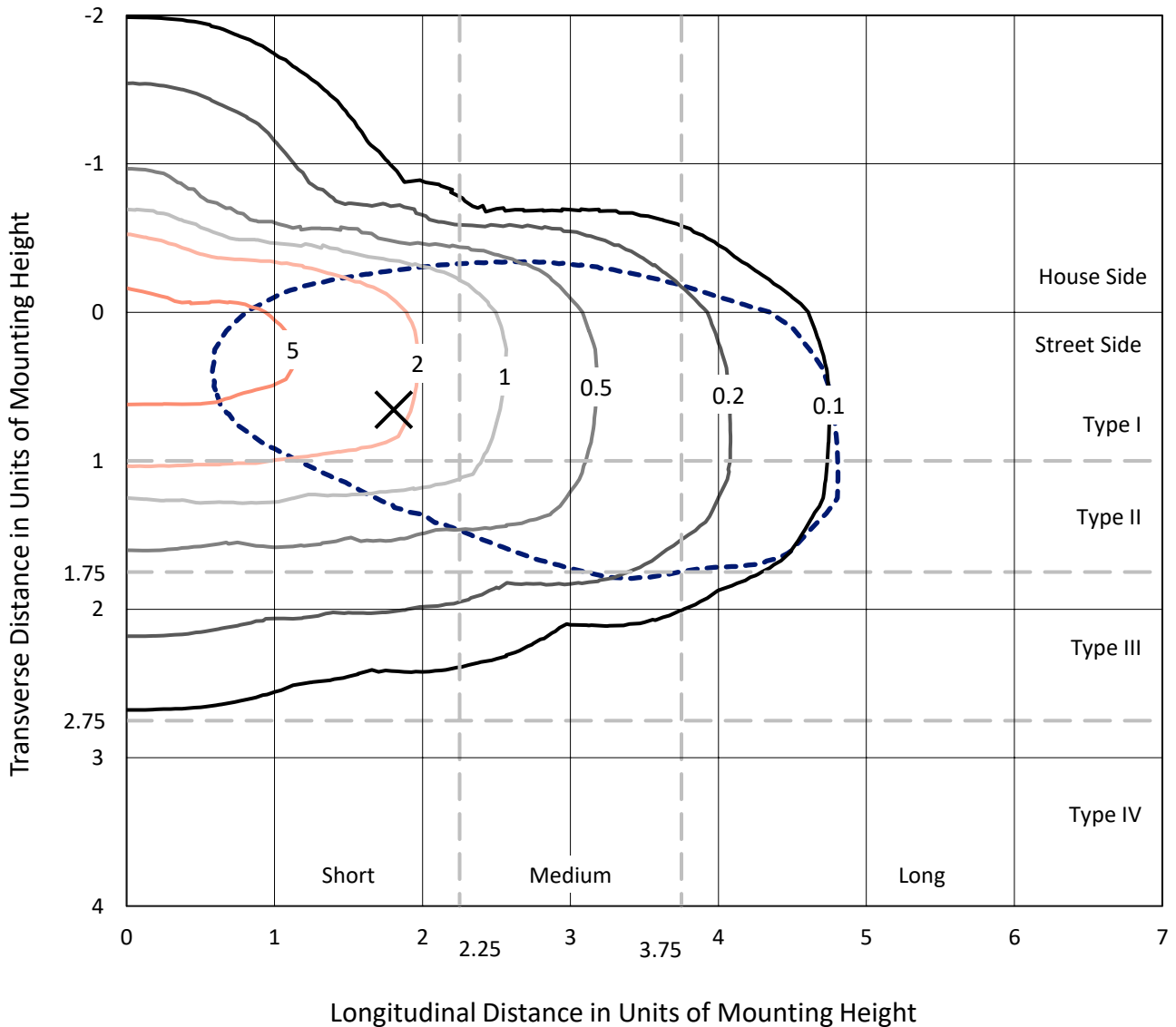
Input Watts (W): 152.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

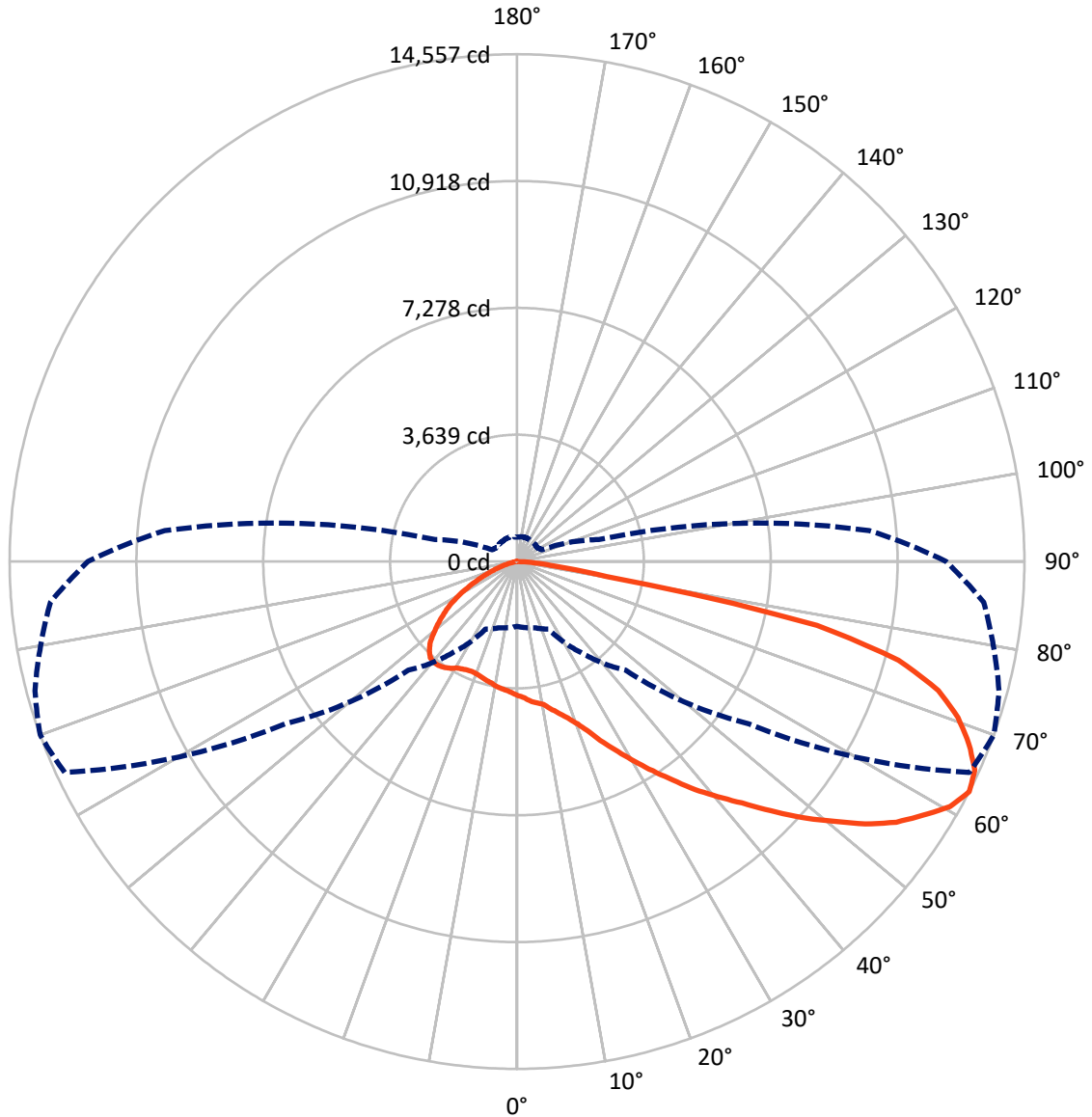
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.3 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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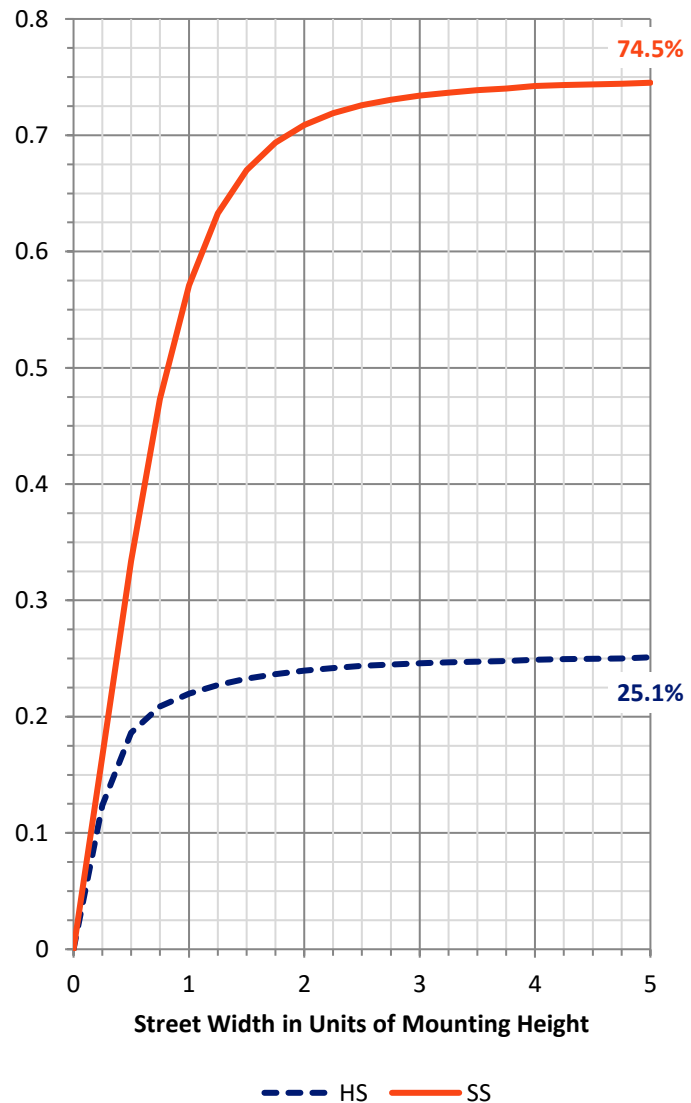
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5476.6	0.0	5476.6
	% Fixture	25.6	0.0	25.6
Street Side	Lumens	15955.4	0.0	15955.4
	% Fixture	74.4	0.0	74.4
Total	Lumens	21432.0	0.0	21432.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	371.4	1.7
10°-20°	1129.9	5.3
20°-30°	1920.6	9.0
30°-40°	2763.7	12.9
40°-50°	3586.4	16.7
50°-60°	4204.2	19.6
60°-70°	4311.4	20.1
70°-80°	2829.1	13.2
80°-90°	315.2	1.5
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°	21432.0	100.0
0°-180°	21432.0	100.0



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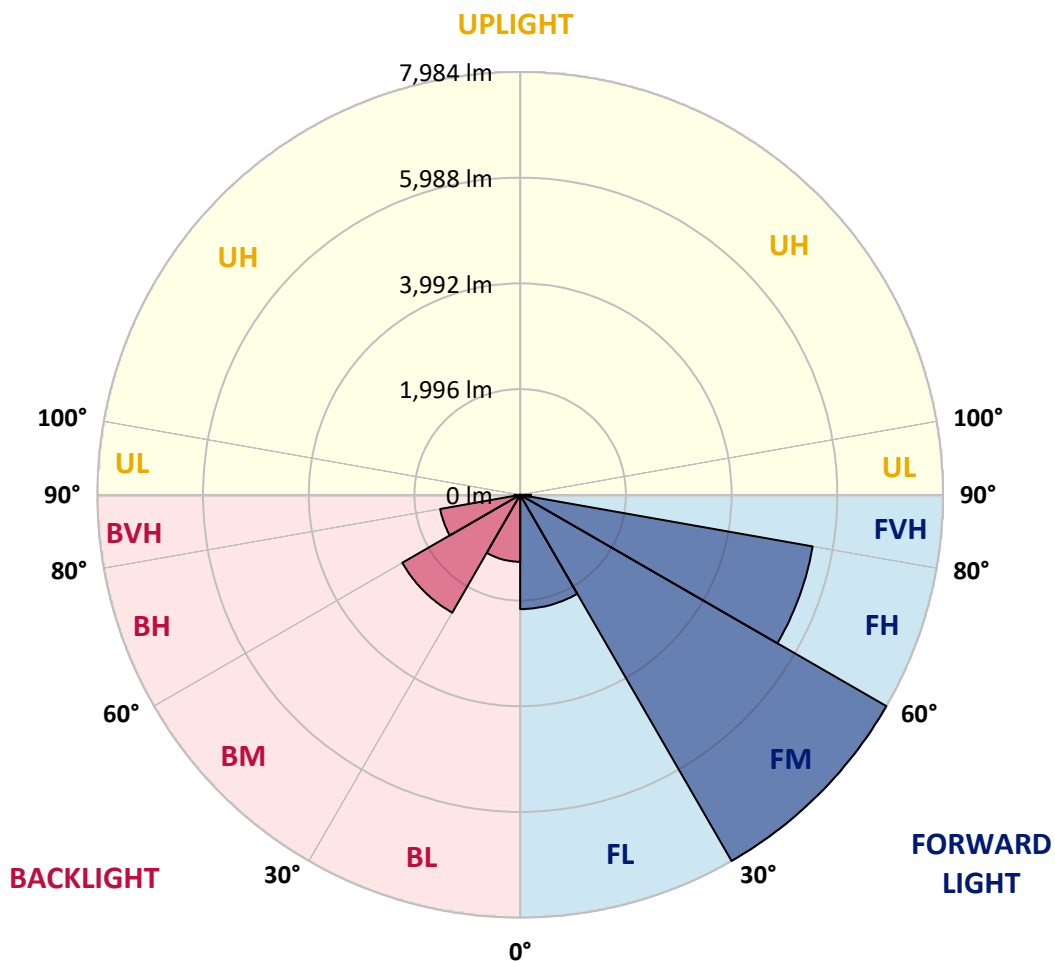
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2157.3	10.1			
FM (30°-60°)	7984.0	37.3			
FH (60°-80°)	5608.6	26.2			G3/7500
FVH (80°-90°)	205.5	1.0			G2/225
BL (0°-30°)	1264.6	5.9	B3/2500		
BM (30°-60°)	2570.3	12.0	B3/5000		
BH (60°-80°)	1532.0	7.1	B3/2500		G3/2500
BVH (80°-90°)	109.6	0.5			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°	70°	75°	85°
0°	3846.5	3846.5	3846.5	3846.5	3846.5	3846.5	3846.5	3846.5	3846.5	3846.5	3846.5
2.5°	4093.8	4109.3	4084.0	4060.1	4036.2	4022.2	3998.3	3930.8	3906.9	3885.8	3843.7
5°	4306.1	4327.1	4290.6	4214.7	4196.4	4137.4	4105.1	4047.5	4023.6	3987.0	3916.8
7.5°	4554.8	4557.6	4505.6	4481.7	4421.3	4341.2	4238.6	4133.2	4098.1	4060.1	3971.6
10°	4699.6	4729.1	4678.5	4604.0	4561.8	4490.2	4381.9	4242.8	4165.5	4098.1	3999.7
12.5°	4903.3	4910.4	4828.9	4786.7	4730.5	4640.5	4535.1	4414.3	4338.4	4213.3	4034.8
15°	5052.3	5056.5	4983.4	4938.5	4885.1	4831.7	4717.8	4591.3	4516.9	4391.8	4120.5
17.5°	5159.1	5177.4	5132.4	5100.1	5043.9	5005.9	4916.0	4816.2	4719.2	4606.8	4299.0
20°	5275.8	5285.6	5202.7	5216.7	5206.9	5190.0	5147.9	5053.7	4975.0	4826.0	4442.4
22.5°	5308.1	5291.2	5313.7	5368.5	5395.2	5414.9	5402.2	5381.2	5309.5	5124.0	4713.6
25°	5260.3	5281.4	5334.8	5454.2	5603.2	5691.7	5755.0	5770.4	5749.4	5572.3	5076.2
27.5°	5247.7	5237.8	5324.9	5528.7	5778.9	5985.5	6110.5	6228.6	6175.2	6064.2	5485.2
30°	5194.2	5190.0	5343.2	5552.6	5874.4	6258.1	6481.6	6681.1	6655.8	6543.4	5964.4
32.5°	5063.5	5091.7	5209.7	5572.3	6020.6	6522.3	6795.0	7122.4	7160.4	7077.4	6449.2
35°	4894.9	4904.7	5093.1	5520.3	6134.4	6754.2	7150.5	7605.9	7694.4	7691.6	6994.5
37.5°	4681.3	4737.5	4938.5	5391.0	6183.6	6966.4	7492.0	8120.2	8297.3	8270.6	7539.8
40°	4467.7	4502.8	4740.3	5226.6	6187.8	7108.4	7781.5	8669.7	8866.5	8870.7	8161.0
42.5°	4147.2	4206.3	4455.0	5010.1	6093.7	7229.2	8069.6	9245.9	9469.4	9501.7	8737.2
45°	3880.2	3899.9	4120.5	4674.3	5889.9	7293.9	8390.1	9836.2	10197.4	10170.7	9237.5
47.5°	3534.5	3611.8	3845.1	4356.6	5570.9	7305.1	8668.3	10522.0	10968.9	10907.1	9919.1
50°	2734.8	2820.6	3455.8	4070.0	5167.5	7177.2	8891.8	11337.1	11701.1	11635.1	10499.5
52.5°	2411.6	2453.8	2711.0	3735.5	4748.7	6872.3	9070.3	12110.1	12507.8	12304.0	11178.3
55°	2273.9	2293.6	2410.2	3055.3	4379.1	6371.9	9172.8	12977.2	13200.6	12898.5	11810.7
57.5°	2124.9	2171.3	2230.3	2574.6	3967.4	5679.1	9109.6	13696.7	13733.3	13432.5	12350.4
60°	1984.4	2004.1	2126.3	2307.6	3493.7	4963.8	8752.6	14145.0	14274.3	13904.7	12999.7
62.5°	1859.3	1894.4	1966.1	2136.2	3177.5	4407.2	8117.4	14317.9	14556.8	14316.5	13438.1
65°	1741.3	1752.5	1834.0	1988.6	2827.6	4133.2	7750.6	14045.3	14433.1	14395.2	13630.7
67.5°	1602.1	1614.8	1686.4	1793.3	2390.5	3828.2	6795.0	13660.2	13986.2	14115.5	13521.1
70°	1420.8	1430.7	1515.0	1578.2	2004.1	3378.5	5705.8	13069.9	13422.7	13303.2	12784.6
72.5°	1212.8	1228.3	1295.8	1374.5	1666.8	2848.7	4469.1	11834.6	12642.7	12564.0	11691.3
75°	979.5	1003.4	1058.2	1152.4	1354.8	2262.6	3163.5	9576.2	11302.0	11420.0	10089.1
77.5°	463.8	487.7	536.9	615.6	820.7	1578.2	1731.4	5398.0	8801.8	9532.6	8123.0
80°	151.8	154.6	364.0	416.0	521.4	972.5	706.9	1760.9	2607.0	4408.6	4369.3
82.5°	81.5	88.5	196.8	241.7	261.4	261.4	206.6	777.2	1097.6	1342.1	1554.3
85°	43.6	45.0	68.9	82.9	89.9	71.7	53.4	320.4	514.4	642.3	636.6
87.5°	18.3	19.7	21.1	18.3	15.5	9.8	7.0	5.6	5.6	5.6	5.6
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°	3846.5	3846.5	3846.5	3846.5	3846.5	3846.5	3846.5	3846.5	3846.5	3846.5	3846.5
2.5°	3822.6	3802.9	3793.1	3752.3	3707.4	3659.6	3621.6	3623.0	3652.6	3675.0	3673.6
5°	3866.2	3817.0	3756.6	3661.0	3621.6	3586.5	3544.3	3488.1	3506.4	3528.9	3545.7
7.5°	3890.1	3826.8	3745.3	3603.4	3538.7	3462.8	3423.5	3350.4	3319.5	3342.0	3342.0
10°	3881.6	3817.0	3676.4	3572.4	3446.0	3326.5	3247.8	3229.5	3202.8	3198.6	3197.2
12.5°	3937.8	3842.3	3634.3	3481.1	3365.9	3212.7	3128.4	3111.5	3117.1	3082.0	3087.6
15°	3992.7	3884.4	3597.7	3438.9	3260.5	3080.6	3013.1	2951.3	2979.4	2949.9	2956.9
17.5°	4091.0	3960.3	3578.1	3354.6	3125.5	2969.5	2848.7	2778.4	2775.6	2771.4	2760.1
20°	4203.5	4022.2	3575.3	3281.5	3015.9	2830.4	2657.6	2580.3	2524.0	2543.7	2545.1
22.5°	4407.2	4138.8	3604.8	3214.1	2862.7	2654.7	2477.7	2359.6	2292.2	2303.4	2304.8
25°	4696.7	4383.3	3682.1	3156.5	2734.8	2451.0	2276.7	2127.7	2046.2	2047.6	2070.1
27.5°	5117.0	4675.7	3805.7	3107.3	2598.5	2258.4	2022.3	1876.2	1787.6	1786.2	1801.7
30°	5532.9	5041.1	3982.8	3037.0	2425.7	1999.8	1732.8	1616.2	1561.4	1524.8	1533.3
32.5°	5944.7	5433.2	4213.3	3000.5	2223.3	1694.9	1471.4	1391.3	1322.5	1255.0	1262.0
35°	6411.3	5801.4	4445.2	2927.4	1980.2	1441.9	1285.9	1176.3	1087.8	1052.6	1045.6
37.5°	6959.4	6230.0	4605.4	2865.5	1692.1	1271.9	1082.1	1000.6	943.0	905.1	899.4
40°	7442.8	6589.8	4782.5	2720.8	1415.2	1118.7	903.7	860.1	853.1	823.5	819.3
42.5°	7931.9	7031.1	4903.3	2531.1	1225.5	923.3	773.0	798.2	837.6	819.3	819.3
45°	8430.8	7492.0	4927.2	2247.2	1044.2	781.4	740.6	788.4	843.2	847.4	846.0
47.5°	8977.5	7901.0	4973.6	1841.0	914.9	744.8	735.0	774.4	844.6	869.9	864.3
50°	9597.3	8343.7	4844.3	1404.0	837.6	749.1	740.6	758.9	834.8	862.9	853.1
52.5°	10200.2	8769.5	4630.7	1070.9	788.4	753.3	770.1	756.1	810.9	839.0	850.2
55°	10759.5	9238.9	4178.2	952.8	754.7	747.7	794.0	768.7	788.4	796.8	812.3
57.5°	11325.9	9584.6	3697.5	893.8	736.4	740.6	780.0	768.7	781.4	771.5	758.9
60°	11857.1	9948.6	3077.8	839.0	716.7	736.4	751.9	749.1	757.5	739.2	730.8
62.5°	12308.2	10145.4	2429.9	791.2	699.9	716.7	713.9	728.0	729.4	708.3	702.7
65°	12514.8	10229.7	1855.1	747.7	674.6	691.4	677.4	680.2	681.6	653.5	652.1
67.5°	12305.4	9765.9	1271.9	683.0	647.9	669.0	642.3	638.0	628.2	600.1	601.5
70°	11694.1	8991.6	848.8	590.3	590.3	626.8	611.3	601.5	577.6	550.9	559.3
72.5°	10328.1	7676.1	550.9	476.4	518.6	577.6	570.6	556.5	500.3	424.4	427.2
75°	8834.2	6092.3	366.8	347.1	396.3	500.3	475.0	441.3	418.8	442.7	472.2
77.5°	6879.3	3884.4	205.2	199.6	234.7	351.3	396.3	403.3	570.6	677.4	670.4
80°	3571.0	1973.1	119.5	98.4	139.1	236.1	312.0	424.4	708.3	534.0	517.2
82.5°	1404.0	739.2	73.1	52.0	61.8	97.0	206.6	609.9	536.9	269.8	258.6
85°	480.6	167.2	29.5	26.7	29.5	40.8	81.5	546.7	278.3	171.5	163.0
87.5°	5.6	5.6	7.0	8.4	9.8	9.8	22.5	260.0	129.3	80.1	77.3
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)