

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: P553587

Luminaire Tested: **VERD-G-CA2-150-760-U-T3**

Issue Date: 7/12/2021

Test Information

Test Method: LM-79-08
Report Number: P553587
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-155-4)
Test Lab: INNOVATION CENTER
Issue Date: 7/12/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: VERD-G-CA2-150-760-U-T3
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 5700K, 1380mA LEDS AND TYPE III OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21536 lumens
Efficiency: N/A
Efficacy: 141.5 lumens/watt
Luminous Opening: Rectangular (W 0.9' x L: 1.25' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

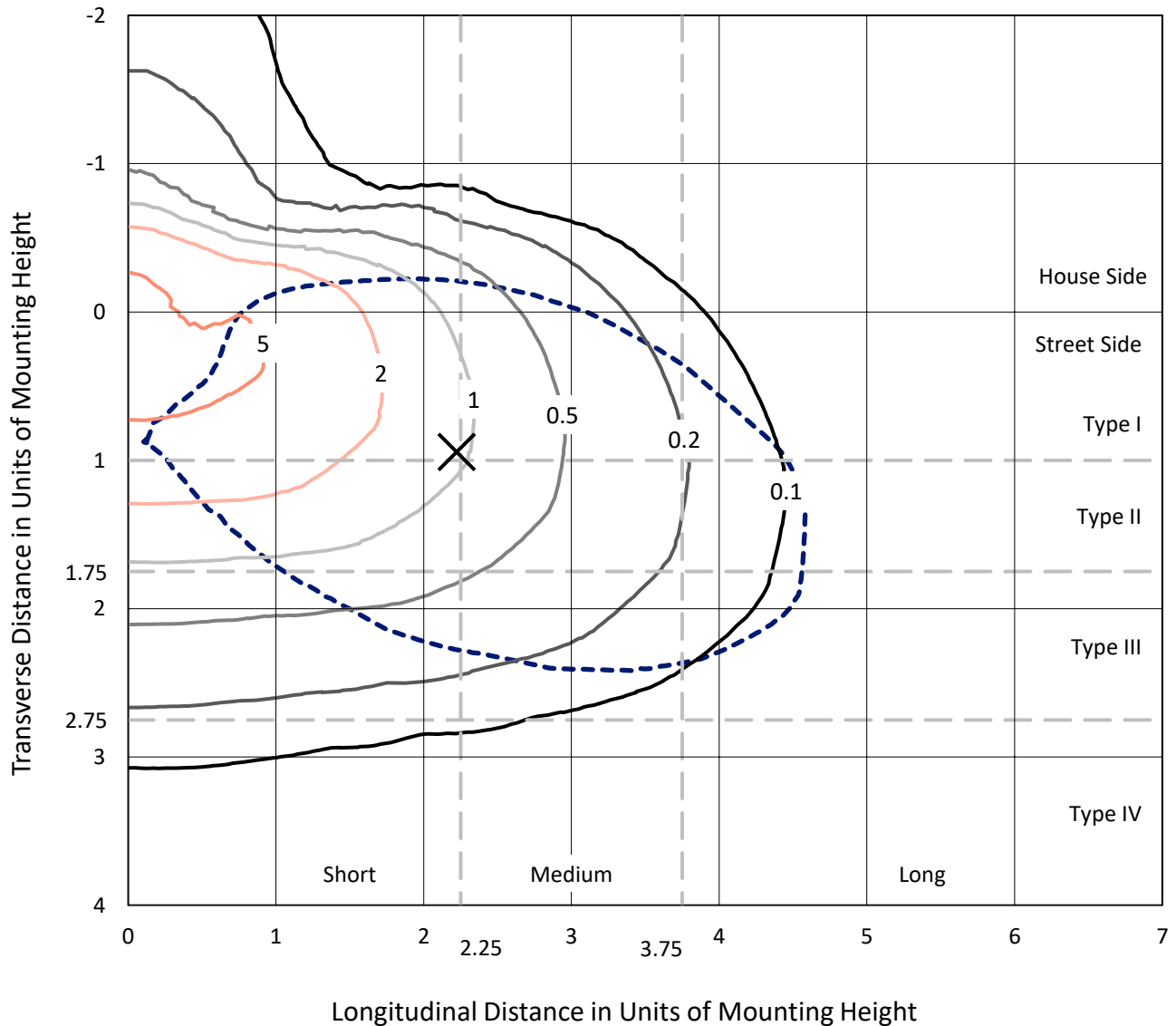
Input Watts (W): 152.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

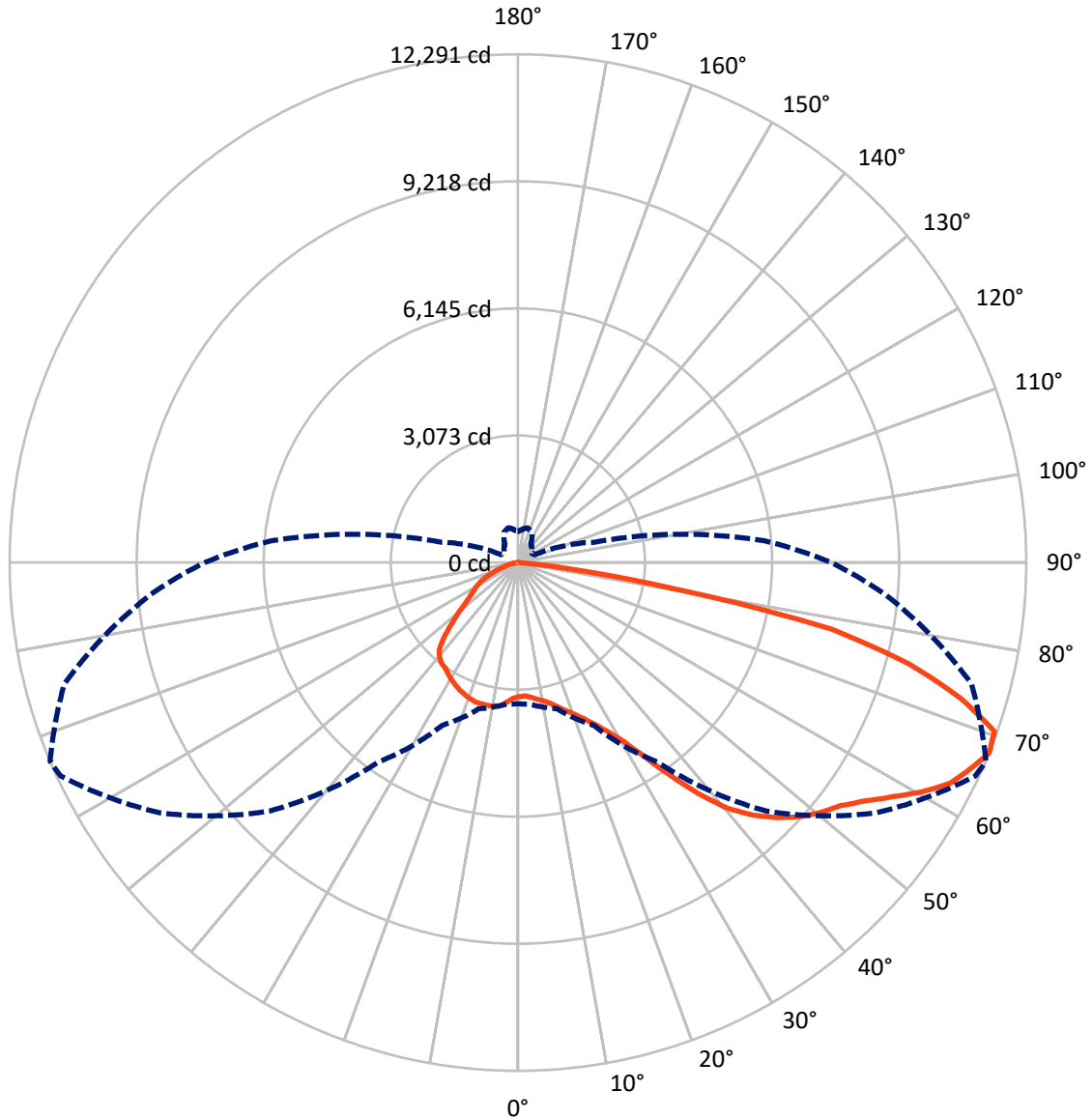
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.1 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 67-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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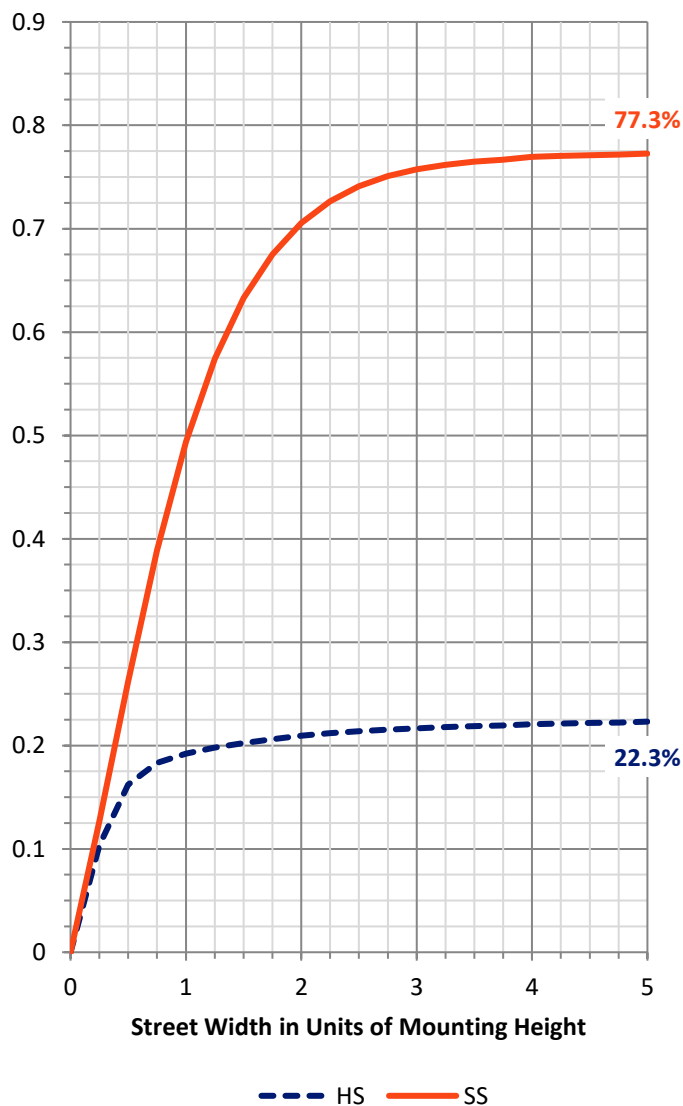
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4886.6	0.0	4886.6
	% Fixture	22.7	0.0	22.7
Street Side	Lumens	16649.4	0.0	16649.4
	% Fixture	77.3	0.0	77.3
Total	Lumens	21536.0	0.0	21536.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	328.9	1.5
10°-20°	1040.9	4.8
20°-30°	1785.3	8.3
30°-40°	2657.0	12.3
40°-50°	3632.7	16.9
50°-60°	4363.5	20.3
60°-70°	4629.1	21.5
70°-80°	2827.8	13.1
80°-90°	270.8	1.3
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°	21536.0	100.0
0°-180°	21536.0	100.0

Coefficient of Utilization



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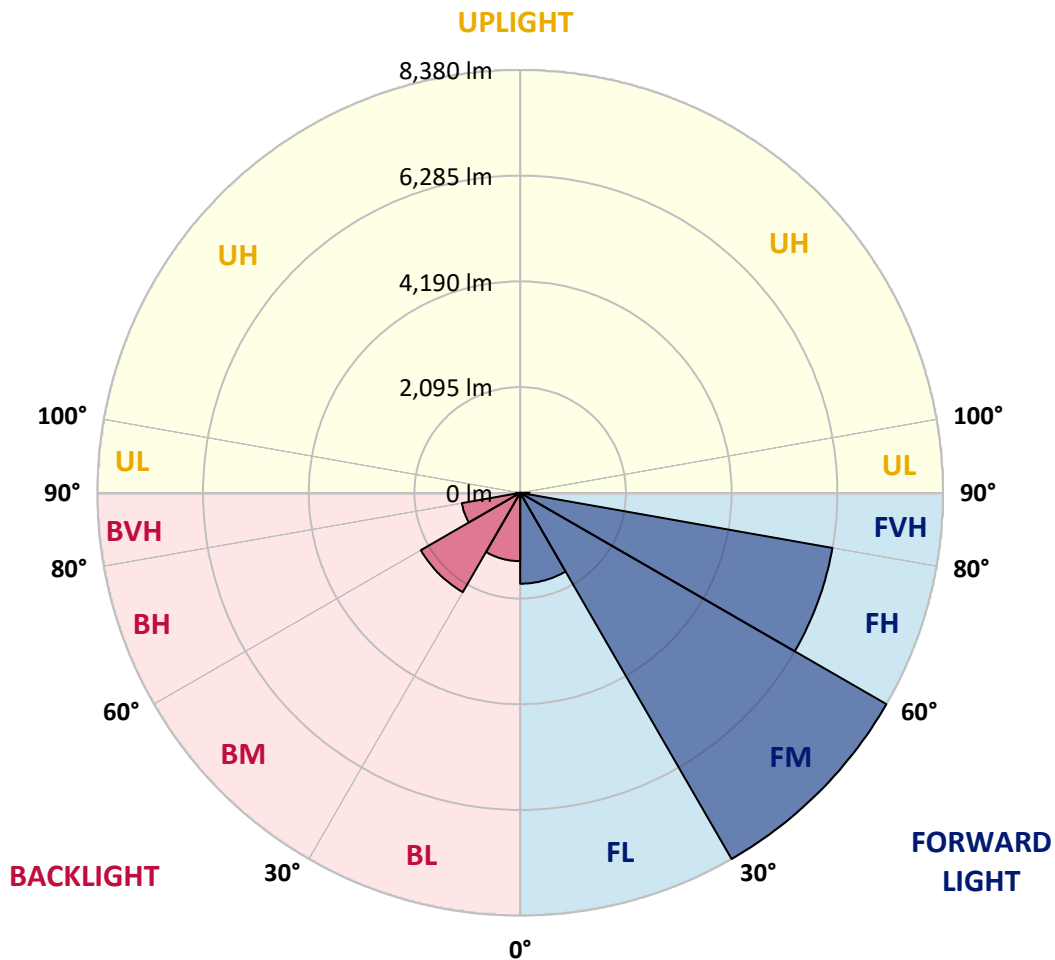
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1801.3	8.4			
FM (30°-60°)	8380.1	38.9			
FH (60°-80°)	6283.6	29.2			G3/7500
FVH (80°-90°)	184.4	0.9			G2/225
BL (0°-30°)	1353.9	6.3	B3/2500		
BM (30°-60°)	2273.0	10.6	B2/2500		
BH (60°-80°)	1173.3	5.4	B3/2500		G3/2500
BVH (80°-90°)	86.4	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	3247.0	3247.0	3247.0	3247.0	3247.0	3247.0	3247.0	3247.0	3247.0	3247.0	3247.0
2.5°	3298.4	3314.1	3288.4	3271.3	3252.7	3262.7	3238.5	3238.5	3227.1	3245.6	3234.2
5°	3405.4	3419.7	3375.4	3339.8	3336.9	3307.0	3304.1	3289.8	3272.7	3288.4	3304.1
7.5°	3548.1	3542.4	3511.0	3469.6	3428.2	3411.1	3382.6	3361.2	3335.5	3349.8	3354.0
10°	3722.1	3712.1	3670.8	3605.1	3572.3	3525.2	3453.9	3414.0	3395.4	3409.7	3414.0
12.5°	3907.6	3894.7	3854.8	3782.0	3725.0	3650.8	3569.5	3505.3	3492.4	3478.2	3502.4
15°	4115.9	4093.0	4058.8	4000.3	3911.9	3814.8	3703.6	3642.2	3623.7	3599.4	3588.0
17.5°	4341.3	4338.4	4294.2	4230.0	4140.1	4006.0	3863.4	3767.8	3767.8	3757.8	3696.4
20°	4583.8	4572.4	4528.2	4492.5	4365.5	4224.3	4050.2	3929.0	3916.1	3896.2	3794.9
22.5°	4827.8	4829.2	4772.1	4745.0	4650.9	4469.7	4250.0	4128.7	4103.0	4075.9	3900.4
25°	5048.9	5051.7	5034.6	4984.7	4907.7	4740.7	4511.0	4349.8	4335.6	4298.5	4085.9
27.5°	5272.9	5308.5	5258.6	5264.3	5230.1	5038.9	4809.2	4613.8	4628.0	4546.7	4255.7
30°	5538.2	5551.1	5526.8	5534.0	5512.6	5387.0	5164.5	5006.1	5006.1	4913.4	4543.9
32.5°	5750.8	5739.4	5740.8	5815.0	5825.0	5756.5	5573.9	5522.5	5566.8	5555.4	5222.9
35°	5856.4	5876.3	5932.0	6101.8	6184.5	6143.1	6121.7	6190.2	6301.5	6372.8	5964.8
37.5°	5991.9	6053.3	6123.2	6312.9	6465.6	6579.7	6696.7	6922.1	7081.9	7174.6	6669.6
40°	6131.7	6137.4	6277.2	6512.6	6810.8	6992.0	7270.2	7658.2	7815.2	7745.3	7060.5
42.5°	6023.3	6037.6	6231.6	6651.0	7024.8	7488.5	7789.5	8237.4	8345.9	8133.3	7464.2
45°	5883.5	5910.6	6156.0	6651.0	7260.2	7943.6	8287.4	8786.7	8799.5	8512.8	7708.2
47.5°	5759.4	5782.2	6040.4	6599.7	7481.3	8343.0	8688.3	9094.9	9181.9	8822.4	8032.0
50°	5593.9	5650.9	5904.9	6554.0	7584.0	8621.2	9043.5	9465.8	9495.7	9114.8	8274.5
52.5°	5414.1	5464.0	5776.5	6468.4	7715.3	8850.9	9278.9	9822.4	9766.8	9505.7	8547.0
55°	5171.6	5215.8	5576.8	6331.4	7731.0	8975.0	9448.7	10153.4	10174.8	9831.0	8811.0
57.5°	4893.4	4967.6	5295.7	6077.5	7586.9	9012.1	9741.1	10601.4	10684.1	10233.3	9022.1
60°	4592.4	4650.9	5023.2	5807.9	7395.7	9151.9	10142.0	11182.0	11247.7	10584.3	9107.7
62.5°	4284.2	4332.7	4640.9	5402.7	7044.8	9179.0	10491.5	11765.5	11744.1	10896.7	9226.1
65°	3900.4	3904.7	4195.8	4913.4	6556.9	8985.0	10671.3	12002.4	12023.8	11180.6	9090.6
67.5°	3412.5	3439.6	3660.8	4342.7	5892.0	8497.1	10557.2	12206.4	12290.5	11356.1	8918.0
70°	2717.8	2733.4	2964.6	3599.4	5008.9	7742.4	10340.3	12237.8	12219.2	11129.2	8442.9
72.5°	1933.1	1993.0	2148.5	2530.9	3843.4	6337.2	9360.2	11269.1	11183.5	10253.3	7531.3
75°	1242.6	1248.3	1403.8	1653.5	2249.8	4492.5	7802.3	9714.0	9749.7	8893.7	6131.7
77.5°	410.9	463.7	515.0	697.6	933.0	1870.3	5267.2	7656.8	7765.2	7006.2	4184.3
80°	181.2	181.2	306.7	395.2	503.6	801.8	2101.4	3465.3	3797.7	3267.0	1612.1
82.5°	132.7	135.5	205.4	235.4	198.3	333.8	754.7	1109.9	1177.0	1057.1	640.6
85°	75.6	78.5	88.5	101.3	84.2	135.5	166.9	171.2	172.6	149.8	117.0
87.5°	34.2	34.2	31.4	27.1	15.7	10.0	10.0	7.1	8.6	7.1	5.7
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°	3247.0	3247.0	3247.0	3247.0	3247.0	3247.0	3247.0	3247.0	3247.0	3247.0	3247.0
2.5°	3229.9	3244.2	3275.6	3281.3	3295.5	3316.9	3344.1	3356.9	3399.7	3419.7	3425.4
5°	3307.0	3314.1	3368.3	3386.9	3451.1	3483.9	3512.4	3532.4	3585.2	3598.0	3620.8
7.5°	3365.5	3389.7	3455.3	3496.7	3536.7	3570.9	3568.0	3615.1	3642.2	3663.6	3672.2
10°	3425.4	3438.2	3505.3	3523.8	3553.8	3579.4	3586.6	3599.4	3606.6	3636.5	3646.5
12.5°	3518.1	3509.5	3518.1	3533.8	3558.1	3552.3	3568.0	3549.5	3559.5	3598.0	3583.7
15°	3586.6	3566.6	3529.5	3530.9	3515.3	3508.1	3485.3	3469.6	3468.2	3476.7	3491.0
17.5°	3663.6	3605.1	3536.7	3518.1	3459.6	3402.5	3362.6	3319.8	3312.7	3321.2	3311.2
20°	3730.7	3652.2	3533.8	3475.3	3361.2	3258.5	3200.0	3135.8	3132.9	3127.2	3115.8
22.5°	3812.0	3713.6	3532.4	3414.0	3278.4	3112.9	2991.7	2943.2	2884.7	2907.5	2904.6
25°	3933.3	3810.6	3545.2	3348.3	3128.6	2931.8	2776.2	2669.3	2610.8	2597.9	2603.6
27.5°	4083.1	3920.4	3552.3	3265.6	2991.7	2710.6	2463.8	2302.6	2266.9	2219.9	2224.1
30°	4301.3	4070.2	3586.6	3174.3	2790.5	2428.1	2134.3	1924.5	1864.6	1874.6	1877.5
32.5°	4816.4	4378.4	3610.8	3068.7	2569.4	2115.7	1731.9	1522.2	1475.1	1492.3	1502.3
35°	5492.6	4969.0	3743.5	2933.2	2318.3	1750.5	1328.2	1209.8	1219.8	1252.6	1261.2
37.5°	6163.1	5595.3	4036.0	2814.8	1997.3	1339.6	1060.0	990.1	1048.6	1080.0	1090.0
40°	6575.4	6011.9	4358.4	2632.2	1589.3	984.4	807.5	767.5	834.6	907.3	943.0
42.5°	6992.0	6352.8	4568.1	2409.6	1137.0	716.2	600.6	633.4	743.3	816.0	833.2
45°	7257.3	6528.3	4588.1	2055.8	757.5	555.0	547.8	617.7	730.4	788.9	798.9
47.5°	7515.6	6763.7	4503.9	1646.3	570.7	527.9	543.6	624.9	736.1	801.8	800.3
50°	7772.4	6994.8	4321.3	1306.8	539.3	510.7	552.1	639.1	746.1	796.1	796.1
52.5°	7929.3	7109.0	3954.7	1040.0	519.3	500.8	556.4	644.8	736.1	764.7	760.4
55°	8117.6	7136.1	3707.8	866.0	497.9	493.6	565.0	660.5	734.7	737.6	727.6
57.5°	8216.0	7069.0	3506.7	736.1	479.4	496.5	574.9	664.8	776.1	810.3	816.0
60°	8173.2	6987.7	3278.4	654.8	462.2	492.2	572.1	697.6	904.5	975.8	963.0
62.5°	8131.9	6835.1	2894.7	587.8	443.7	495.0	569.2	773.2	1062.8	988.7	948.7
65°	7982.1	6518.3	2395.3	523.6	420.9	496.5	563.5	854.6	1088.5	998.7	930.2
67.5°	7571.2	5990.5	1894.6	455.1	393.8	476.5	550.7	803.2	871.7	784.7	747.6
70°	6959.2	5225.8	1299.7	393.8	360.9	452.2	542.1	760.4	818.9	757.5	710.5
72.5°	5971.9	4105.9	720.5	329.6	316.7	422.3	540.7	750.4	824.6	649.1	597.8
75°	4541.0	2723.5	467.9	258.2	259.6	376.6	515.0	716.2	798.9	610.6	540.7
77.5°	2675.0	1147.0	326.7	184.0	202.6	292.5	458.0	686.2	756.1	597.8	540.7
80°	908.8	505.0	212.6	124.1	124.1	186.9	326.7	560.7	673.4	582.1	576.4
82.5°	472.2	321.0	135.5	77.0	71.3	89.9	201.2	385.2	540.7	493.6	562.1
85°	94.2	67.1	42.8	31.4	34.2	45.7	71.3	195.5	342.4	380.9	456.5
87.5°	7.1	5.7	8.6	8.6	8.6	8.6	10.0	48.5	137.0	168.3	208.3
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)