

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: P553523

Luminaire Tested: **VERD-G-CA2-140-740-U-T3**

Issue Date: 7/12/2021

Test Information

Test Method: LM-79-08
Report Number: P553523
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-CA2-140-740-U-T3
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 4000K, 1290mA LEDS AND TYPE III OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20486 lumens
Efficiency: N/A
Efficacy: 143.9 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

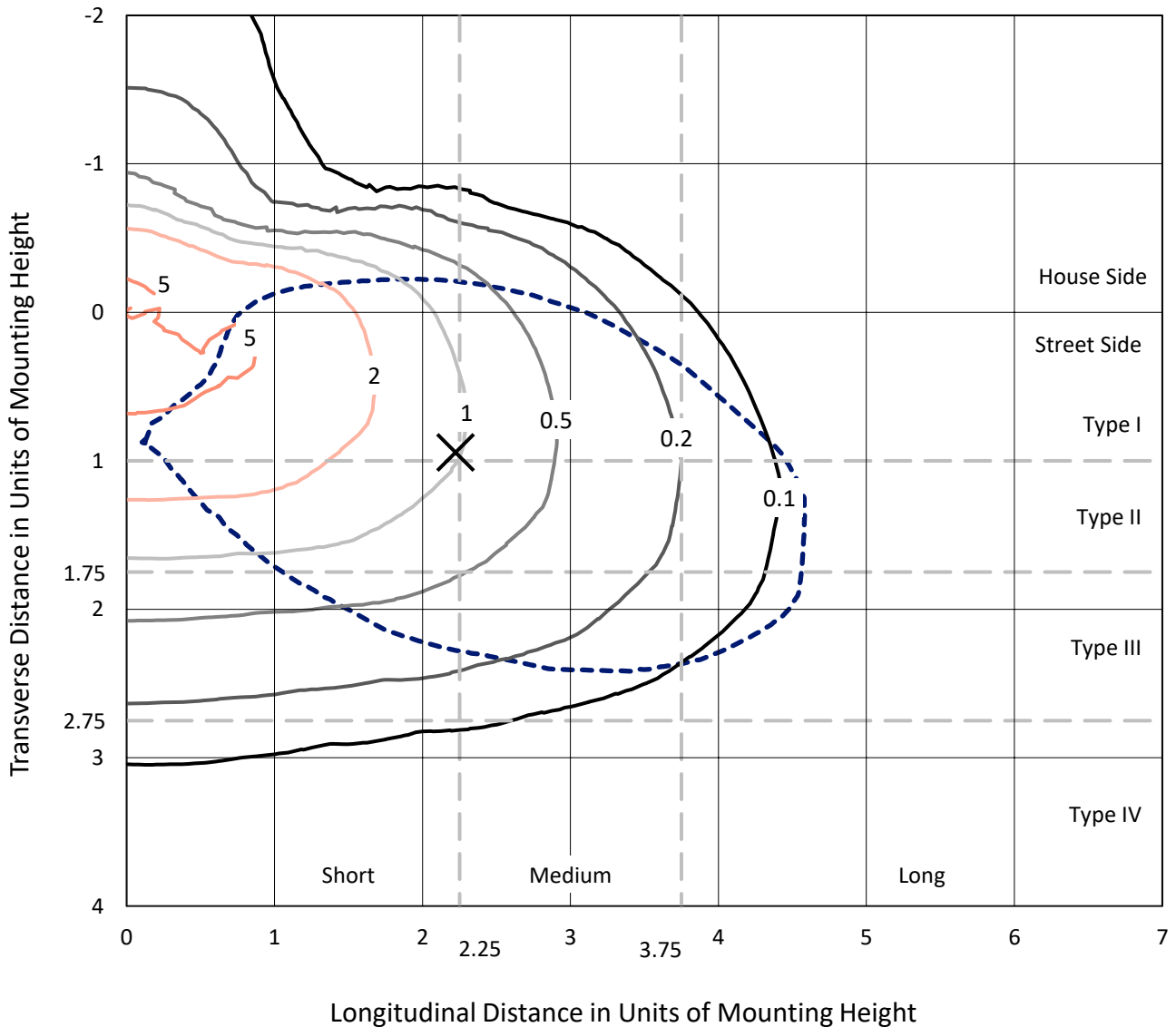
Input Watts (W): 142.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

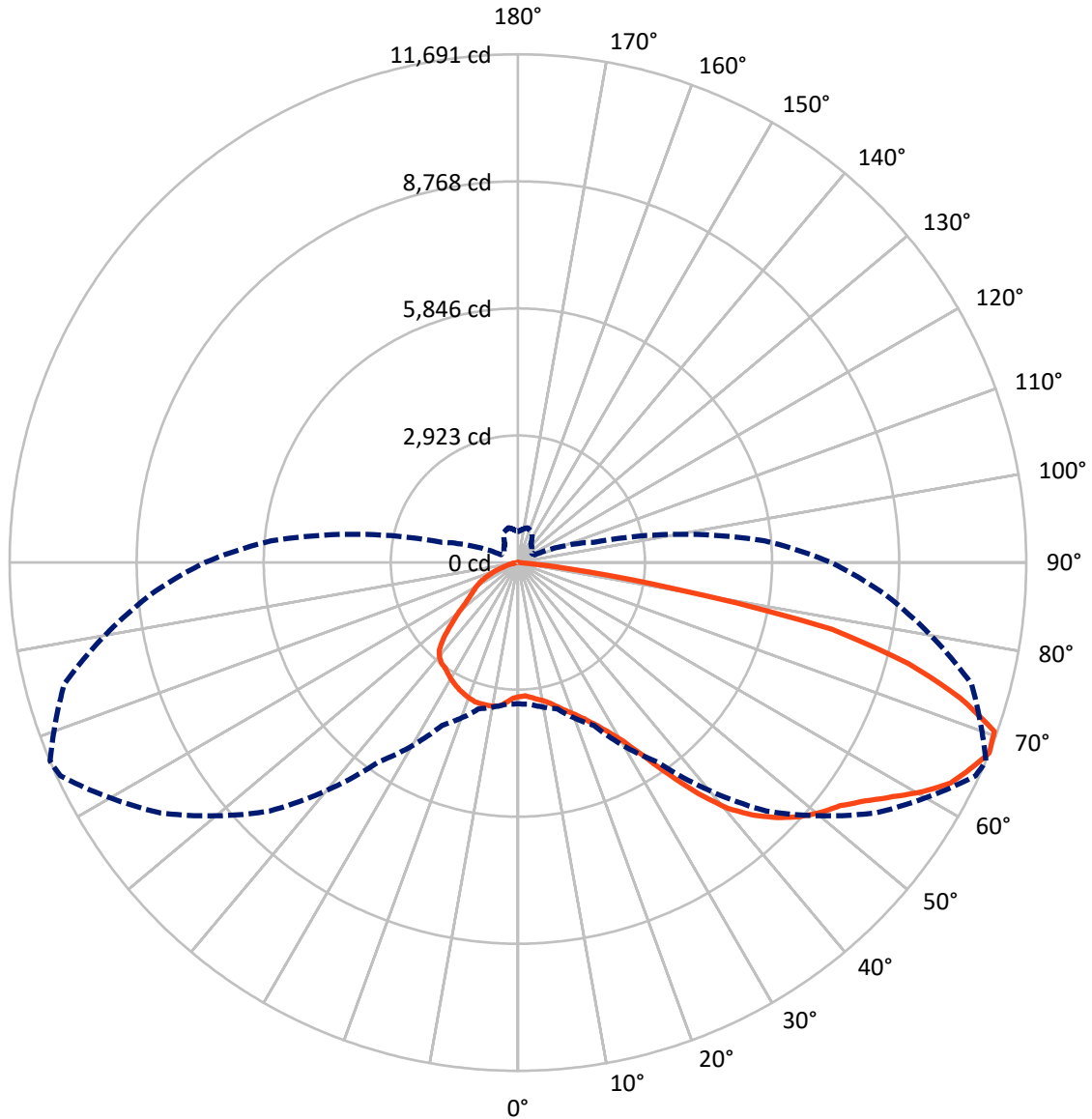
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.8 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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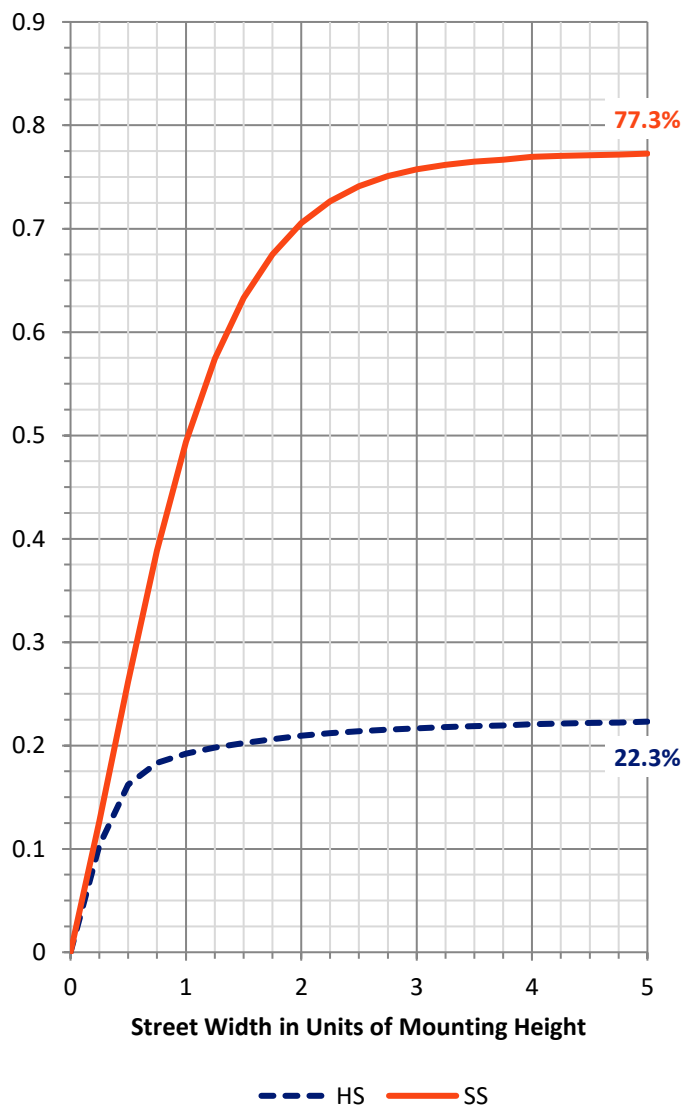
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4648.4	0.0	4648.4
	% Fixture	22.7	0.0	22.7
Street Side	Lumens	15837.7	0.0	15837.7
	% Fixture	77.3	0.0	77.3
Total	Lumens	20486.0	0.0	20486.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	312.8	1.5
10°-20°	990.2	4.8
20°-30°	1698.3	8.3
30°-40°	2527.4	12.3
40°-50°	3455.6	16.9
50°-60°	4150.8	20.3
60°-70°	4403.4	21.5
70°-80°	2690.0	13.1
80°-90°	257.6	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°	20486.0	100.0
0°-180°	20486.0	100.0

Coefficient of Utilization



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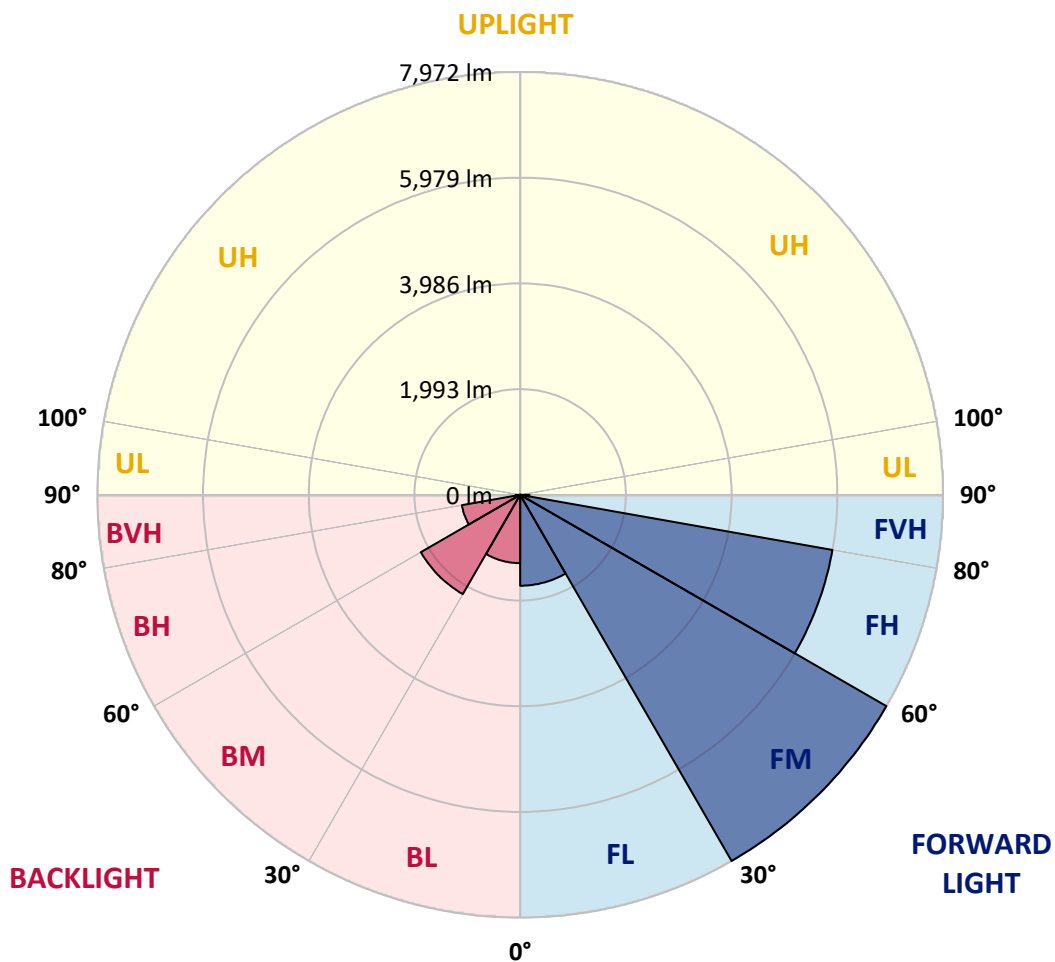
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1713.5	8.4			
FM (30°-60°)	7971.5	38.9			
FH (60°-80°)	5977.2	29.2			G3/7500
FVH (80°-90°)	175.4	0.9			G2/225
BL (0°-30°)	1287.9	6.3	B3/2500		
BM (30°-60°)	2162.2	10.6	B2/2500		
BH (60°-80°)	1116.1	5.4	B3/2500		G3/2500
BVH (80°-90°)	82.2	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°	3088.7	3088.7	3088.7	3088.7	3088.7	3088.7	3088.7	3088.7	3088.7	3088.7	3088.7
2.5°	3137.6	3152.5	3128.1	3111.8	3094.2	3103.7	3080.6	3080.6	3069.7	3087.4	3076.5
5°	3239.4	3252.9	3210.9	3176.9	3174.2	3145.7	3143.0	3129.4	3113.2	3128.1	3143.0
7.5°	3375.1	3369.6	3339.8	3300.4	3261.1	3244.8	3217.7	3197.3	3172.9	3186.4	3190.5
10°	3540.6	3531.1	3491.8	3429.4	3398.1	3353.4	3285.5	3247.5	3229.9	3243.4	3247.5
12.5°	3717.1	3704.8	3666.8	3597.6	3543.4	3472.8	3395.4	3334.4	3322.1	3308.6	3331.6
15°	3915.2	3893.5	3860.9	3805.3	3721.1	3628.9	3523.0	3464.6	3447.0	3423.9	3413.1
17.5°	4129.6	4126.9	4084.8	4023.8	3938.3	3810.7	3675.0	3584.1	3584.1	3574.6	3516.2
20°	4360.3	4349.5	4307.4	4273.5	4152.7	4018.3	3852.8	3737.4	3725.2	3706.2	3609.9
22.5°	4592.4	4593.7	4539.5	4513.7	4424.1	4251.8	4042.8	3927.4	3903.0	3877.2	3710.3
25°	4802.7	4805.4	4789.2	4741.7	4668.4	4509.6	4291.1	4137.8	4124.2	4088.9	3886.7
27.5°	5015.8	5049.7	5002.2	5007.7	4975.1	4793.2	4574.7	4388.8	4402.4	4325.0	4048.2
30°	5268.2	5280.4	5257.4	5264.1	5243.8	5124.4	4912.7	4762.0	4762.0	4673.8	4322.3
32.5°	5470.4	5459.6	5460.9	5531.5	5541.0	5475.8	5302.1	5253.3	5295.4	5284.5	4968.3
35°	5570.8	5589.8	5642.8	5804.3	5883.0	5843.6	5823.3	5888.4	5994.3	6062.1	5674.0
37.5°	5699.8	5758.1	5824.6	6005.1	6150.3	6258.9	6370.2	6584.6	6736.6	6824.8	6344.4
40°	5832.8	5838.2	5971.2	6195.1	6478.7	6651.1	6915.7	7284.8	7434.1	7367.6	6716.2
42.5°	5729.6	5743.2	5927.8	6326.7	6682.3	7123.4	7409.7	7835.8	7939.0	7736.8	7100.3
45°	5596.6	5622.4	5855.8	6326.7	6906.2	7556.3	7883.3	8358.3	8370.5	8097.7	7332.3
47.5°	5478.6	5500.3	5745.9	6277.9	7116.6	7936.2	8264.7	8651.4	8734.2	8392.2	7640.4
50°	5321.1	5375.4	5617.0	6234.5	7214.3	8200.9	8602.6	9004.3	9032.8	8670.4	7871.1
52.5°	5150.1	5197.6	5494.8	6153.0	7339.1	8419.4	8826.5	9343.5	9290.6	9042.3	8130.3
55°	4919.4	4961.5	5304.9	6022.8	7354.1	8537.4	8988.0	9658.4	9678.7	9351.7	8381.4
57.5°	4654.8	4725.4	5037.5	5781.2	7217.0	8572.7	9266.2	10084.5	10163.2	9734.4	8582.2
60°	4368.5	4424.1	4778.3	5524.7	7035.1	8705.7	9647.5	10636.8	10699.3	10068.2	8663.6
62.5°	4075.3	4121.5	4414.6	5139.3	6701.3	8731.5	9980.0	11191.9	11171.5	10365.4	8776.3
65°	3710.3	3714.3	3991.2	4673.8	6237.2	8546.9	10151.0	11417.2	11437.5	10635.5	8647.4
67.5°	3246.2	3271.9	3482.3	4131.0	5604.8	8082.8	10042.4	11611.2	11691.3	10802.4	8483.2
70°	2585.3	2600.2	2820.0	3423.9	4764.7	7364.9	9836.2	11641.1	11623.5	10586.6	8031.2
72.5°	1838.9	1895.9	2043.8	2407.5	3656.0	6028.2	8903.8	10719.6	10638.2	9753.4	7164.1
75°	1182.0	1187.5	1335.4	1572.9	2140.1	4273.5	7421.9	9240.4	9274.3	8460.1	5832.8
77.5°	390.8	441.1	489.9	663.6	887.5	1779.1	5010.4	7283.5	7386.6	6664.7	3980.3
80°	172.4	172.4	291.8	375.9	479.1	762.7	1999.0	3296.4	3612.6	3107.7	1533.5
82.5°	126.2	128.9	195.4	223.9	188.6	317.6	717.9	1055.8	1119.6	1005.6	609.3
85°	71.9	74.6	84.1	96.4	80.1	128.9	158.8	162.9	164.2	142.5	111.3
87.5°	32.6	32.6	29.9	25.8	14.9	9.5	9.5	6.8	8.1	6.8	5.4
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°	3088.7	3088.7	3088.7	3088.7	3088.7	3088.7	3088.7	3088.7	3088.7	3088.7	3088.7
2.5°	3072.4	3086.0	3115.9	3121.3	3134.9	3155.2	3181.0	3193.2	3233.9	3252.9	3258.4
5°	3145.7	3152.5	3204.1	3221.7	3282.8	3314.0	3341.1	3360.1	3410.4	3422.6	3444.3
7.5°	3201.4	3224.4	3286.9	3326.2	3364.2	3396.8	3394.1	3438.9	3464.6	3485.0	3493.1
10°	3258.4	3270.6	3334.4	3352.0	3380.5	3404.9	3411.7	3423.9	3430.7	3459.2	3468.7
12.5°	3346.6	3338.4	3346.6	3361.5	3384.6	3379.1	3394.1	3376.4	3385.9	3422.6	3409.0
15°	3411.7	3392.7	3357.4	3358.8	3343.9	3337.1	3315.4	3300.4	3299.1	3307.2	3320.8
17.5°	3485.0	3429.4	3364.2	3346.6	3290.9	3236.7	3198.7	3157.9	3151.2	3159.3	3149.8
20°	3548.8	3474.1	3361.5	3305.9	3197.3	3099.6	3043.9	2982.9	2980.2	2974.7	2963.9
22.5°	3626.1	3532.5	3360.1	3247.5	3118.6	2961.2	2845.8	2799.7	2744.0	2765.7	2763.0
25°	3741.5	3624.8	3372.4	3185.1	2976.1	2788.8	2640.9	2539.1	2483.5	2471.3	2476.7
27.5°	3884.0	3729.3	3379.1	3106.4	2845.8	2578.5	2343.7	2190.3	2156.4	2111.6	2115.7
30°	4091.6	3871.8	3411.7	3019.5	2654.5	2309.8	2030.2	1830.7	1773.7	1783.2	1785.9
32.5°	4581.5	4164.9	3434.8	2919.1	2444.1	2012.6	1647.5	1448.0	1403.2	1419.5	1429.0
35°	5224.8	4726.7	3561.0	2790.2	2205.3	1665.1	1263.4	1150.8	1160.3	1191.5	1199.7
37.5°	5862.6	5322.5	3839.2	2677.5	1899.9	1274.3	1008.3	941.8	997.5	1027.3	1036.8
40°	6254.8	5718.8	4145.9	2503.8	1511.8	936.4	768.1	730.1	793.9	863.1	897.0
42.5°	6651.1	6043.1	4345.4	2292.1	1081.6	681.3	571.3	602.5	707.0	776.3	792.5
45°	6903.5	6210.0	4364.4	1955.6	720.6	527.9	521.1	587.6	694.8	750.5	760.0
47.5°	7149.1	6434.0	4284.3	1566.1	542.8	502.1	517.1	594.4	700.3	762.7	761.3
50°	7393.4	6653.8	4110.6	1243.1	513.0	485.8	525.2	608.0	709.8	757.3	757.3
52.5°	7542.7	6762.4	3761.8	989.3	494.0	476.3	529.3	613.4	700.3	727.4	723.3
55°	7721.8	6788.2	3527.1	823.8	473.6	469.6	537.4	628.3	698.9	701.6	692.1
57.5°	7815.5	6724.4	3335.7	700.3	456.0	472.3	546.9	632.4	738.3	770.8	776.3
60°	7774.8	6647.0	3118.6	622.9	439.7	468.2	544.2	663.6	860.4	928.2	916.0
62.5°	7735.4	6501.8	2753.5	559.1	422.1	470.9	541.5	735.5	1011.0	940.5	902.5
65°	7592.9	6200.5	2278.5	498.1	400.3	472.3	536.0	812.9	1035.5	950.0	884.8
67.5°	7202.1	5698.4	1802.2	432.9	374.6	453.3	523.8	764.0	829.2	746.4	711.1
70°	6619.9	4971.0	1236.3	374.6	343.3	430.2	515.7	723.3	779.0	720.6	675.8
72.5°	5680.8	3905.7	685.3	313.5	301.3	401.7	514.3	713.8	784.4	617.5	568.6
75°	4319.6	2590.7	445.1	245.6	247.0	358.3	489.9	681.3	760.0	580.8	514.3
77.5°	2544.5	1091.1	310.8	175.1	192.7	278.2	435.6	652.8	719.3	568.6	514.3
80°	864.5	480.4	202.2	118.1	118.1	177.8	310.8	533.3	640.5	553.7	548.3
82.5°	449.2	305.3	128.9	73.3	67.9	85.5	191.3	366.4	514.3	469.6	534.7
85°	89.6	63.8	40.7	29.9	32.6	43.4	67.9	185.9	325.7	362.3	434.3
87.5°	6.8	5.4	8.1	8.1	8.1	8.1	9.5	46.1	130.3	160.1	198.1
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)