

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: P509607

Luminaire Tested: **VERD-G-CA2-130-740-U-T3**

Issue Date: 4/6/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P509607  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-155-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 4/6/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: VERD-G-CA2-130-740-U-T3  
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE  
(2) 70 CRI, 4000K, 1200mA LEDS AND TYPE III OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 18714 lumens  
Efficiency: N/A  
Efficacy: 139.8 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

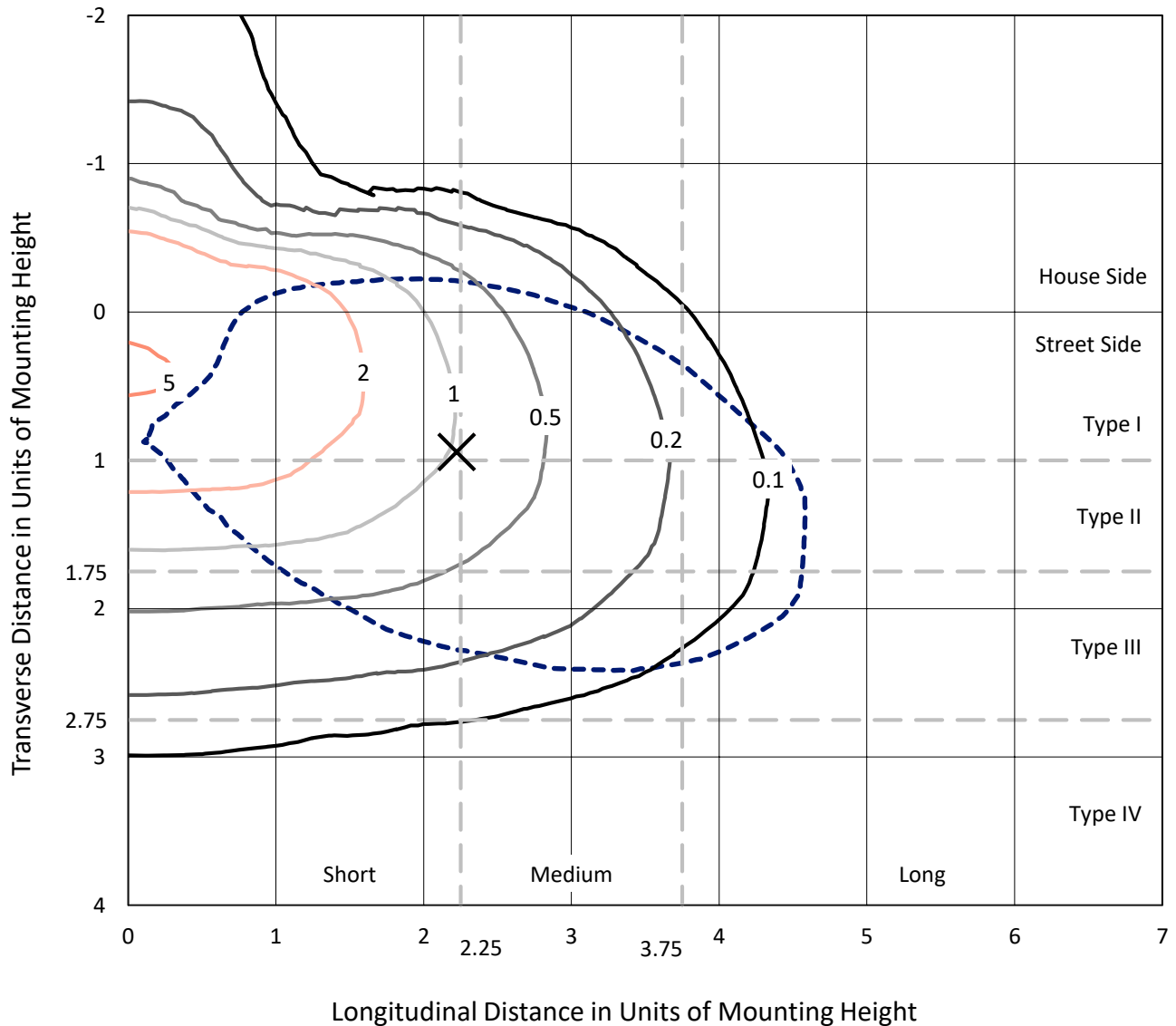
Input Watts (W): 133.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P509607  
 CATALOG NUMBER: VERD-G-CA2-130-740-U-T3

### Iso-Footcandle Lines of Horizontal Illumination

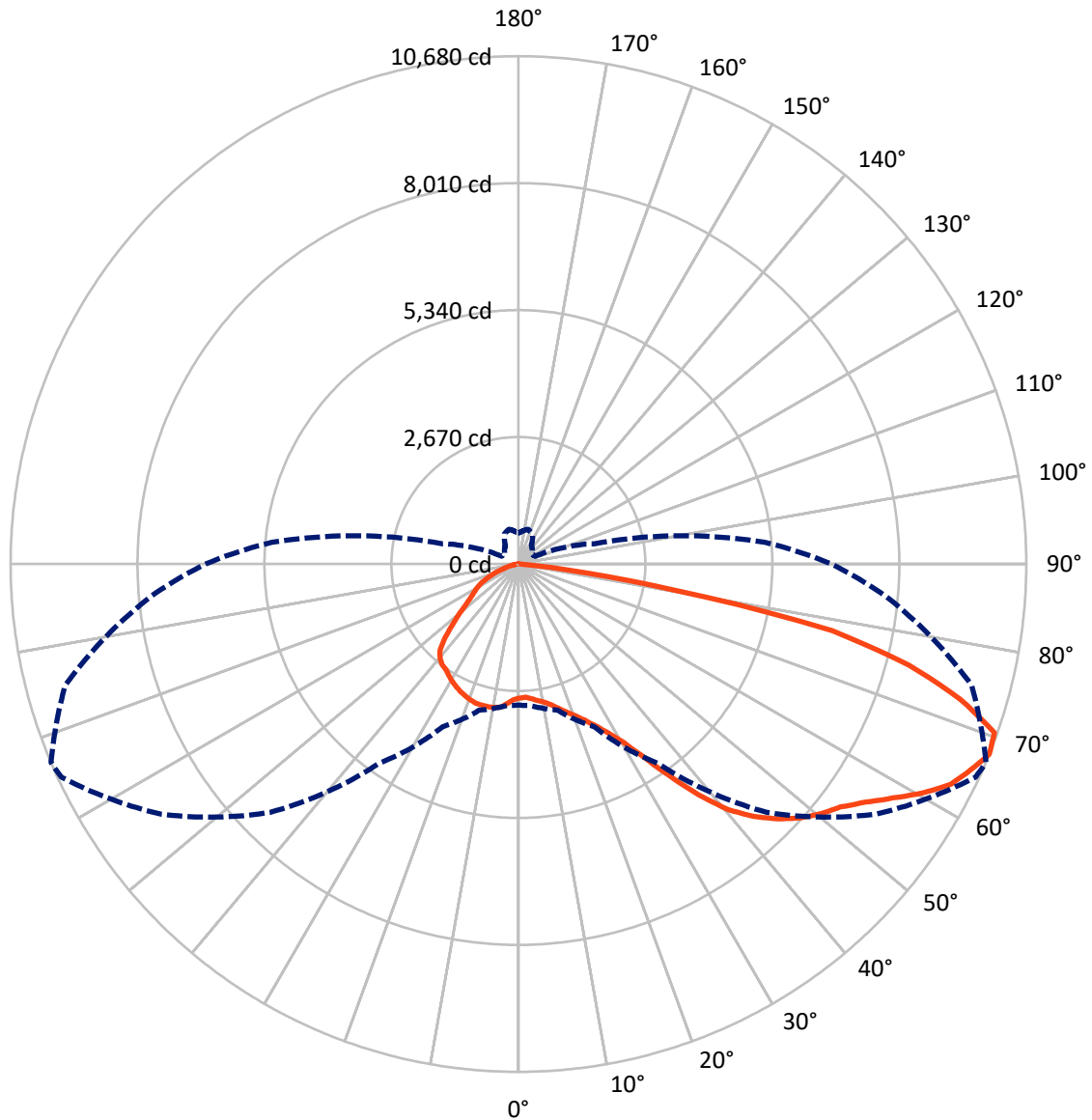
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.3 fc  
 Type III - Short - N/A

REPORT NUMBER: P509607  
CATALOG NUMBER: VERD-G-CA2-130-740-U-T3

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P509607

CATALOG NUMBER: VERD-G-CA2-130-740-U-T3

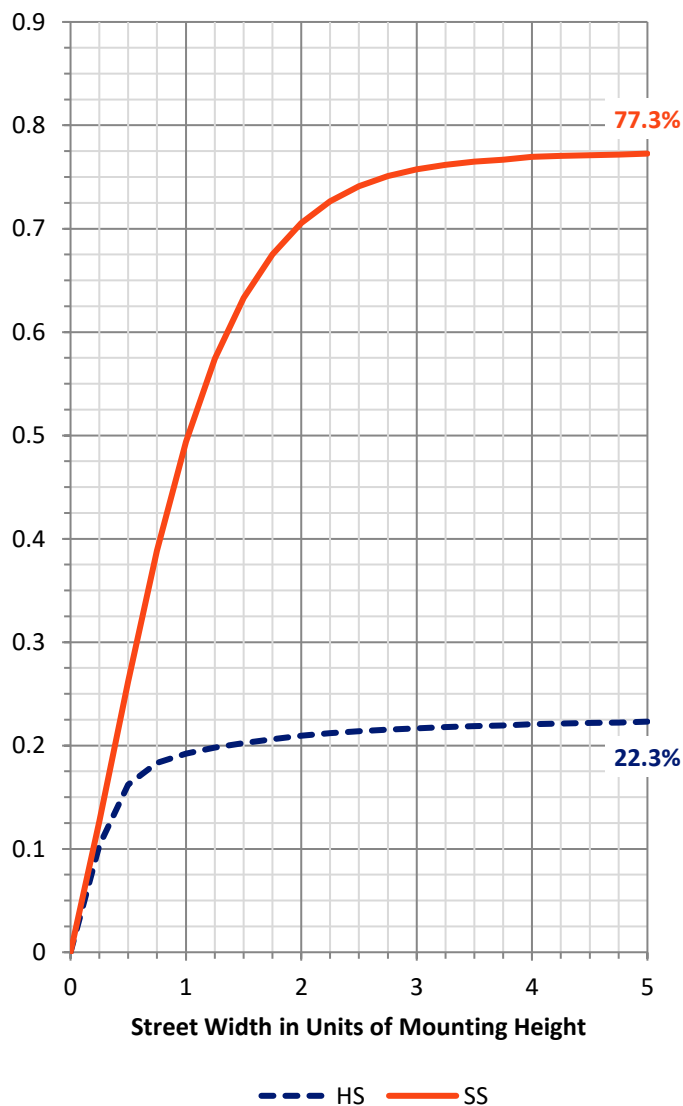
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4246.3	0.0	4246.3
	% Fixture	22.7	0.0	22.7
<b>Street Side</b>	Lumens	14467.7	0.0	14467.7
	% Fixture	77.3	0.0	77.3
<b>Total</b>	Lumens	18714.0	0.0	18714.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	285.8	1.5
10°-20°	904.5	4.8
20°-30°	1551.4	8.3
30°-40°	2308.8	12.3
40°-50°	3156.7	16.9
50°-60°	3791.7	20.3
60°-70°	4022.5	21.5
70°-80°	2457.3	13.1
80°-90°	235.3	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°	18714.0	100.0
0°-180°	18714.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P509607

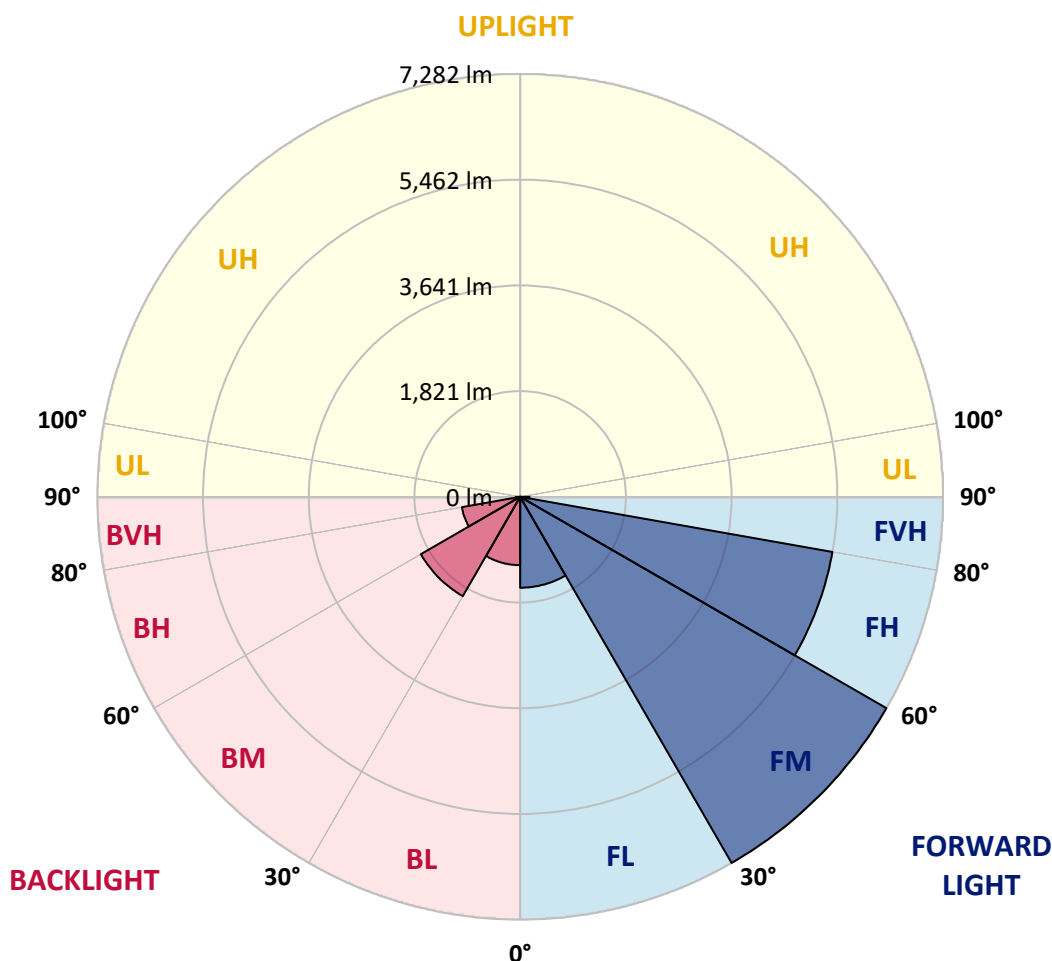
CATALOG NUMBER: VERD-G-CA2-130-740-U-T3

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1565.2	8.4			
FM	(30°-60°)	7282.0	38.9			
FH	(60°-80°)	5460.2	29.2			G3/7500
FVH	(80°-90°)	160.2	0.9			G2/225
BL	(0°-30°)	1176.5	6.3	B3/2500		
BM	(30°-60°)	1975.2	10.6	B2/2500		
BH	(60°-80°)	1019.5	5.4	B3/2500		G3/2500
BVH	(80°-90°)	75.1	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





REPORT NUMBER: P509607  
 CATALOG NUMBER: VERD-G-CA2-130-740-U-T3

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	2821.6	2821.6	2821.6	2821.6	2821.6	2821.6	2821.6	2821.6	2821.6	2821.6	2821.6
2.5°	2866.2	2879.8	2857.5	2842.6	2826.5	2835.2	2814.1	2814.1	2804.2	2820.3	2810.4
5°	2959.2	2971.6	2933.1	2902.1	2899.7	2873.6	2871.1	2858.8	2843.9	2857.5	2871.1
7.5°	3083.1	3078.2	3050.9	3015.0	2979.0	2964.1	2939.3	2920.7	2898.4	2910.8	2914.5
10°	3234.4	3225.7	3189.8	3132.7	3104.2	3063.3	3001.3	2966.6	2950.5	2962.9	2966.6
12.5°	3395.5	3384.4	3349.7	3286.4	3236.9	3172.4	3101.7	3045.9	3034.8	3022.4	3043.5
15°	3576.5	3556.7	3527.0	3476.1	3399.3	3315.0	3218.3	3165.0	3148.8	3127.8	3117.8
17.5°	3772.4	3769.9	3731.5	3675.7	3597.6	3481.1	3357.1	3274.1	3274.1	3265.4	3212.1
20°	3983.2	3973.2	3934.8	3903.8	3793.5	3670.8	3519.5	3414.1	3403.0	3385.6	3297.6
22.5°	4195.2	4196.4	4146.8	4123.2	4041.4	3884.0	3693.1	3587.7	3565.4	3541.8	3389.3
25°	4387.3	4389.8	4374.9	4331.5	4264.6	4119.5	3919.9	3779.9	3767.5	3735.2	3550.5
27.5°	4581.9	4612.9	4569.5	4574.5	4544.7	4378.6	4179.0	4009.2	4021.6	3950.9	3698.0
30°	4812.5	4823.7	4802.6	4808.8	4790.2	4681.1	4487.7	4350.1	4350.1	4269.5	3948.4
32.5°	4997.2	4987.3	4988.6	5053.0	5061.7	5002.2	4843.5	4798.9	4837.3	4827.4	4538.5
35°	5089.0	5106.3	5154.7	5302.2	5374.1	5338.2	5319.6	5379.1	5475.8	5537.7	5183.2
37.5°	5206.7	5260.1	5320.8	5485.7	5618.3	5717.5	5819.2	6015.0	6153.9	6234.5	5795.6
40°	5328.2	5333.2	5454.7	5659.2	5918.3	6075.8	6317.5	6654.7	6791.1	6730.3	6135.3
42.5°	5234.0	5246.4	5415.0	5779.5	6104.3	6507.2	6768.8	7158.0	7252.3	7067.5	6486.1
45°	5112.5	5136.1	5349.3	5779.5	6308.8	6902.7	7201.4	7635.3	7646.5	7397.3	6698.1
47.5°	5004.7	5024.5	5248.9	5734.9	6501.0	7249.8	7549.8	7903.1	7978.7	7666.3	6979.5
50°	4860.9	4910.5	5131.1	5695.2	6590.3	7491.5	7858.5	8225.4	8251.5	7920.5	7190.3
52.5°	4704.7	4748.1	5019.6	5620.8	6704.3	7691.1	8063.0	8535.3	8487.0	8260.1	7427.1
55°	4493.9	4532.3	4846.0	5501.8	6717.9	7799.0	8210.5	8823.0	8841.6	8542.8	7656.4
57.5°	4252.2	4316.6	4601.8	5281.1	6592.7	7831.2	8464.7	9212.2	9284.1	8892.4	7839.9
60°	3990.6	4041.4	4365.0	5046.8	6426.6	7952.7	8813.0	9716.8	9773.8	9197.3	7914.3
62.5°	3722.8	3765.0	4032.7	4694.8	6121.6	7976.2	9116.8	10223.8	10205.2	9468.8	8017.2
65°	3389.3	3393.1	3646.0	4269.5	5697.7	7807.6	9273.0	10429.6	10448.2	9715.5	7899.4
67.5°	2965.4	2988.9	3181.1	3773.7	5120.0	7383.7	9173.8	10606.9	10680.0	9868.0	7749.4
70°	2361.6	2375.3	2576.1	3127.8	4352.6	6727.9	8985.4	10634.2	10618.0	9670.9	7336.6
72.5°	1679.8	1731.9	1867.0	2199.2	3339.8	5506.8	8133.7	9792.4	9718.0	8909.7	6544.4
75°	1079.8	1084.7	1219.9	1436.8	1955.0	3903.8	6779.9	8441.1	8472.1	7728.3	5328.2
77.5°	357.0	402.9	447.5	606.2	810.8	1625.2	4577.0	6653.5	6747.7	6088.2	3636.0
80°	157.4	157.4	266.5	343.4	437.6	696.7	1826.1	3011.2	3300.1	2838.9	1400.9
82.5°	115.3	117.8	178.5	204.6	172.3	290.1	655.8	964.5	1022.8	918.6	556.6
85°	65.7	68.2	76.9	88.0	73.1	117.8	145.0	148.8	150.0	130.2	101.7
87.5°	29.8	29.8	27.3	23.6	13.6	8.7	8.7	6.2	7.4	6.2	5.0
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: P509607

CATALOG NUMBER: VERD-G-CA2-130-740-U-T3

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2821.6	2821.6	2821.6	2821.6	2821.6	2821.6	2821.6	2821.6	2821.6	2821.6	2821.6
2.5°	2806.7	2819.1	2846.4	2851.3	2863.7	2882.3	2905.9	2917.0	2954.2	2971.6	2976.5
5°	2873.6	2879.8	2926.9	2943.1	2998.8	3027.4	3052.1	3069.5	3115.4	3126.5	3146.4
7.5°	2924.5	2945.5	3002.6	3038.5	3073.2	3103.0	3100.5	3141.4	3165.0	3183.6	3191.0
10°	2976.5	2987.7	3045.9	3062.1	3088.1	3110.4	3116.6	3127.8	3134.0	3160.0	3168.7
12.5°	3057.1	3049.7	3057.1	3070.7	3091.8	3086.9	3100.5	3084.4	3093.1	3126.5	3114.1
15°	3116.6	3099.3	3067.0	3068.3	3054.6	3048.4	3028.6	3015.0	3013.7	3021.2	3033.6
17.5°	3183.6	3132.7	3073.2	3057.1	3006.3	2956.7	2922.0	2884.8	2878.6	2886.0	2877.3
20°	3241.8	3173.6	3070.7	3019.9	2920.7	2831.5	2780.7	2724.9	2722.4	2717.4	2707.5
22.5°	3312.5	3226.9	3069.5	2966.6	2848.8	2705.0	2599.7	2557.5	2506.7	2526.5	2524.0
25°	3417.9	3311.2	3080.7	2909.6	2718.7	2547.6	2412.5	2319.5	2268.7	2257.5	2262.5
27.5°	3548.0	3406.7	3086.9	2837.7	2599.7	2355.4	2141.0	2000.9	1969.9	1929.0	1932.7
30°	3737.7	3536.9	3116.6	2758.3	2424.9	2110.0	1854.6	1672.4	1620.3	1629.0	1631.4
32.5°	4185.2	3804.6	3137.7	2666.6	2232.7	1838.5	1505.0	1322.8	1281.9	1296.7	1305.4
35°	4772.9	4317.9	3253.0	2548.8	2014.5	1521.1	1154.2	1051.3	1059.9	1088.5	1095.9
37.5°	5355.5	4862.1	3507.1	2445.9	1735.6	1164.1	921.1	860.4	911.2	938.5	947.1
40°	5713.8	5224.1	3787.3	2287.2	1381.0	855.4	701.7	667.0	725.2	788.5	819.4
42.5°	6075.8	5520.4	3969.5	2093.9	988.0	622.3	521.9	550.4	645.9	709.1	724.0
45°	6306.4	5672.9	3986.9	1786.4	658.3	482.2	476.0	536.8	634.7	685.6	694.2
47.5°	6530.7	5877.4	3913.7	1430.6	495.9	458.7	472.3	543.0	639.7	696.7	695.5
50°	6753.9	6078.3	3755.1	1135.6	468.6	443.8	479.8	555.4	648.4	691.8	691.8
52.5°	6890.3	6177.4	3436.5	903.7	451.3	435.1	483.5	560.3	639.7	664.5	660.8
55°	7053.9	6201.0	3222.0	752.5	432.7	428.9	490.9	574.0	638.4	640.9	632.2
57.5°	7139.4	6142.7	3047.2	639.7	416.5	431.4	499.6	577.7	674.4	704.2	709.1
60°	7102.3	6072.1	2848.8	569.0	401.7	427.7	497.1	606.2	786.0	848.0	836.8
62.5°	7066.3	5939.4	2515.4	510.8	385.5	430.2	494.6	671.9	923.6	859.1	824.4
65°	6936.1	5664.2	2081.5	455.0	365.7	431.4	489.7	742.6	945.9	867.8	808.3
67.5°	6579.1	5205.5	1646.3	395.5	342.2	414.1	478.5	698.0	757.5	681.8	649.6
70°	6047.3	4541.0	1129.4	342.2	313.6	393.0	471.1	660.8	711.6	658.3	617.4
72.5°	5189.4	3567.9	626.0	286.4	275.2	367.0	469.8	652.1	716.5	564.1	519.4
75°	3946.0	2366.6	406.6	224.4	225.6	327.3	447.5	622.3	694.2	530.6	469.8
77.5°	2324.4	996.7	283.9	159.9	176.0	254.1	397.9	596.3	657.0	519.4	469.8
80°	789.7	438.9	184.7	107.9	107.9	162.4	283.9	487.2	585.1	505.8	500.8
82.5°	410.3	278.9	117.8	66.9	62.0	78.1	174.8	334.7	469.8	428.9	488.4
85°	81.8	58.3	37.2	27.3	29.8	39.7	62.0	169.8	297.5	331.0	396.7
87.5°	6.2	5.0	7.4	7.4	7.4	7.4	8.7	42.1	119.0	146.3	181.0
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)