

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: P509583

Luminaire Tested: **VERD-G-CA2-130-722-U-T3**

Issue Date: 4/6/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P509583  
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-CA2-130-722-U-T3  
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE  
(2) 70 CRI, 2200K, 1200mA LEDS AND TYPE III OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 15252 lumens  
Efficiency: N/A  
Efficacy: 113.9 lumens/watt  
Luminous Opening: Rectangular (W 0.9' x L: 1.25' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G2

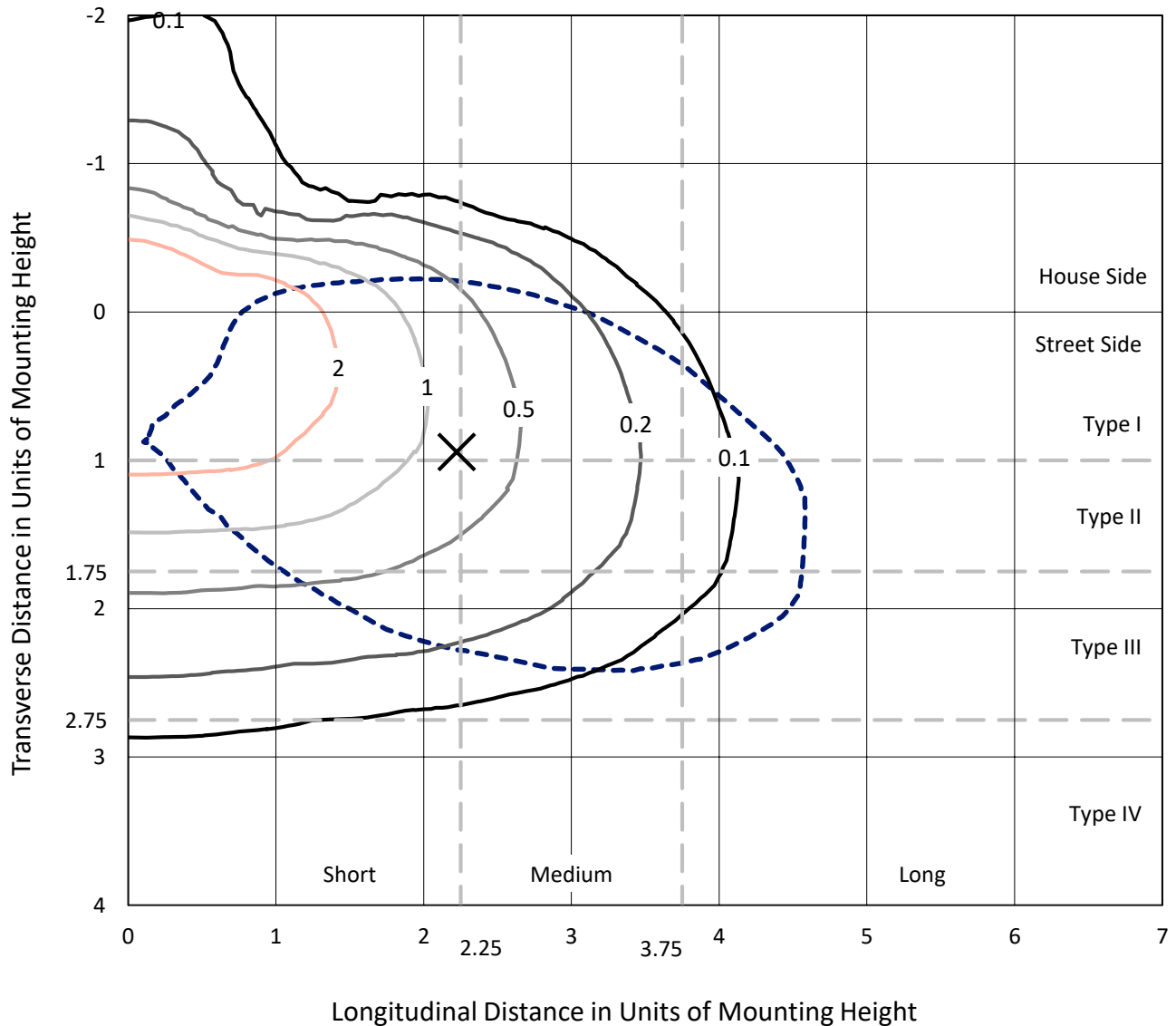
Input Watts (W): 133.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P509583  
 CATALOG NUMBER: VERD-G-CA2-130-722-U-T3

### Iso-Footcandle Lines of Horizontal Illumination

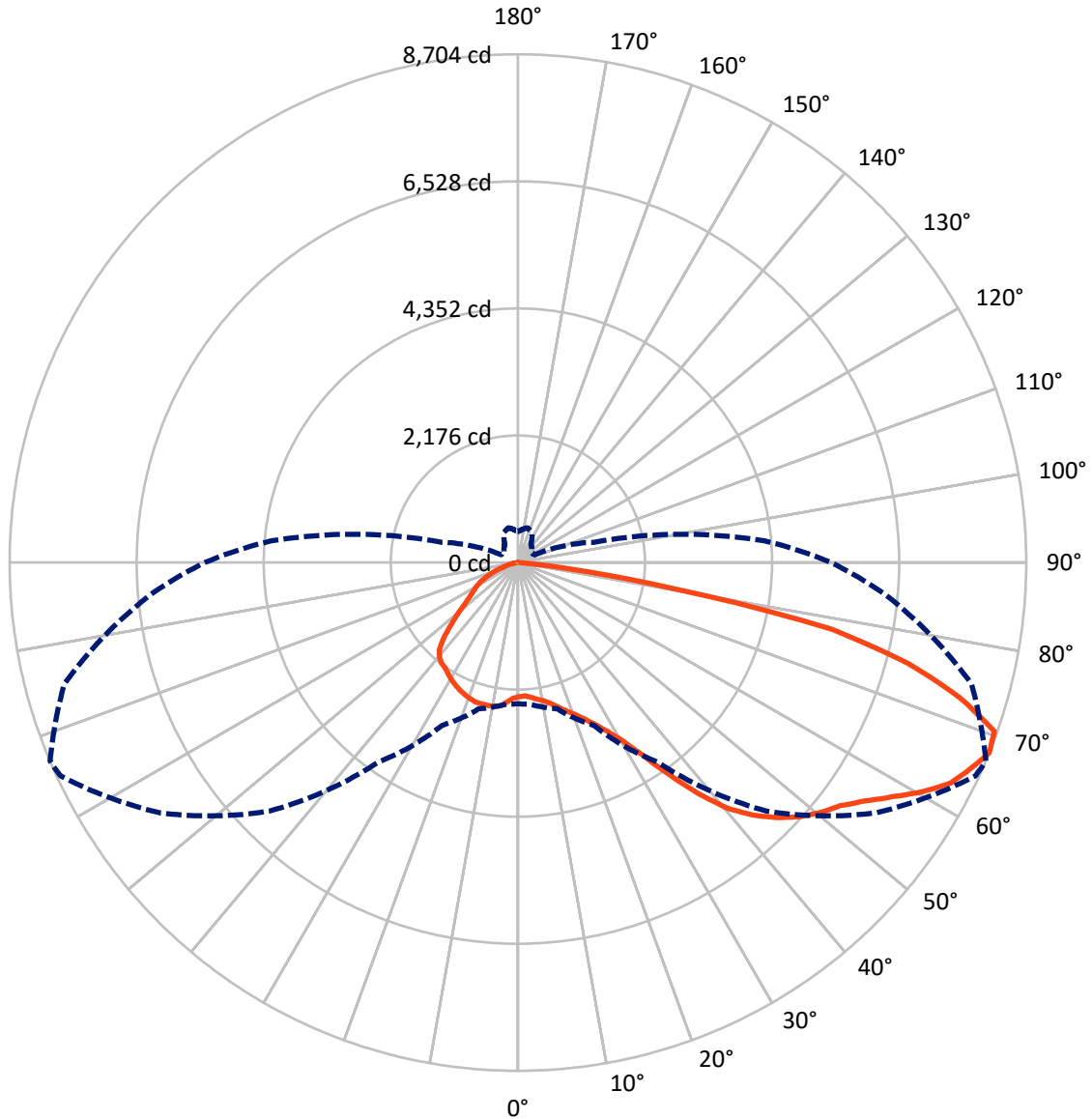
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.3 fc  
 Type III - Short - N/A

REPORT NUMBER: P509583  
CATALOG NUMBER: VERD-G-CA2-130-722-U-T3

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P509583

CATALOG NUMBER: VERD-G-CA2-130-722-U-T3

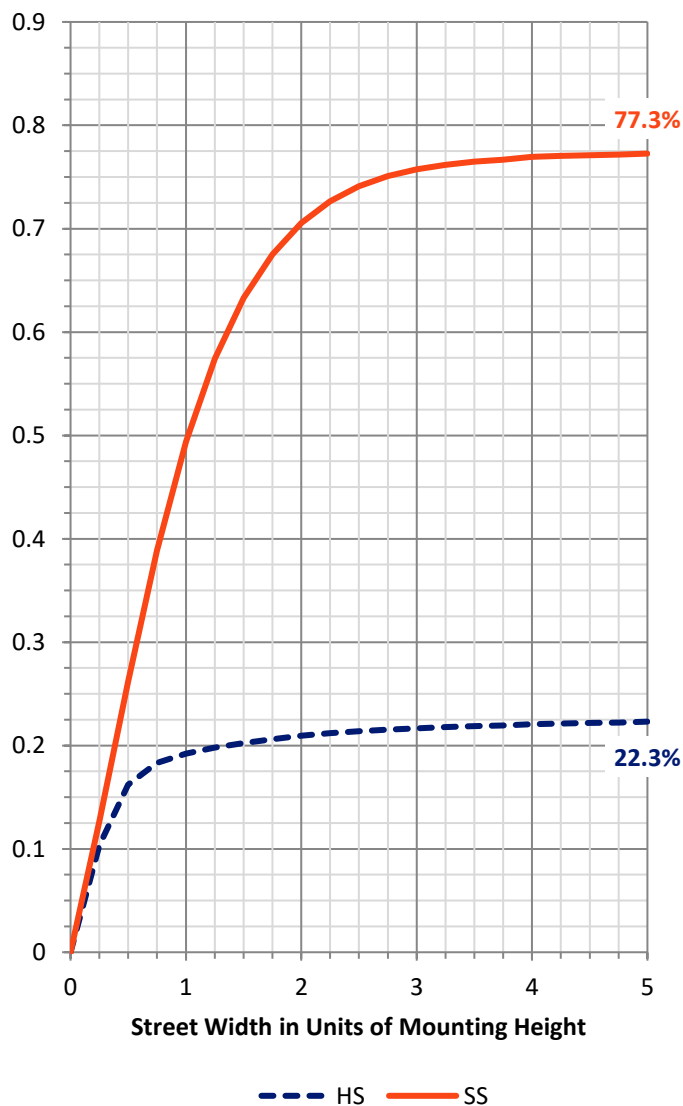
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3460.7	0.0	3460.7
	% Fixture	22.7	0.0	22.7
<b>Street Side</b>	Lumens	11791.3	0.0	11791.3
	% Fixture	77.3	0.0	77.3
<b>Total</b>	Lumens	15252.0	0.0	15252.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	232.9	1.5
10°-20°	737.2	4.8
20°-30°	1264.4	8.3
30°-40°	1881.7	12.3
40°-50°	2572.7	16.9
50°-60°	3090.3	20.3
60°-70°	3278.4	21.5
70°-80°	2002.7	13.1
80°-90°	191.8	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°	15252.0	100.0
0°-180°	15252.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P509583

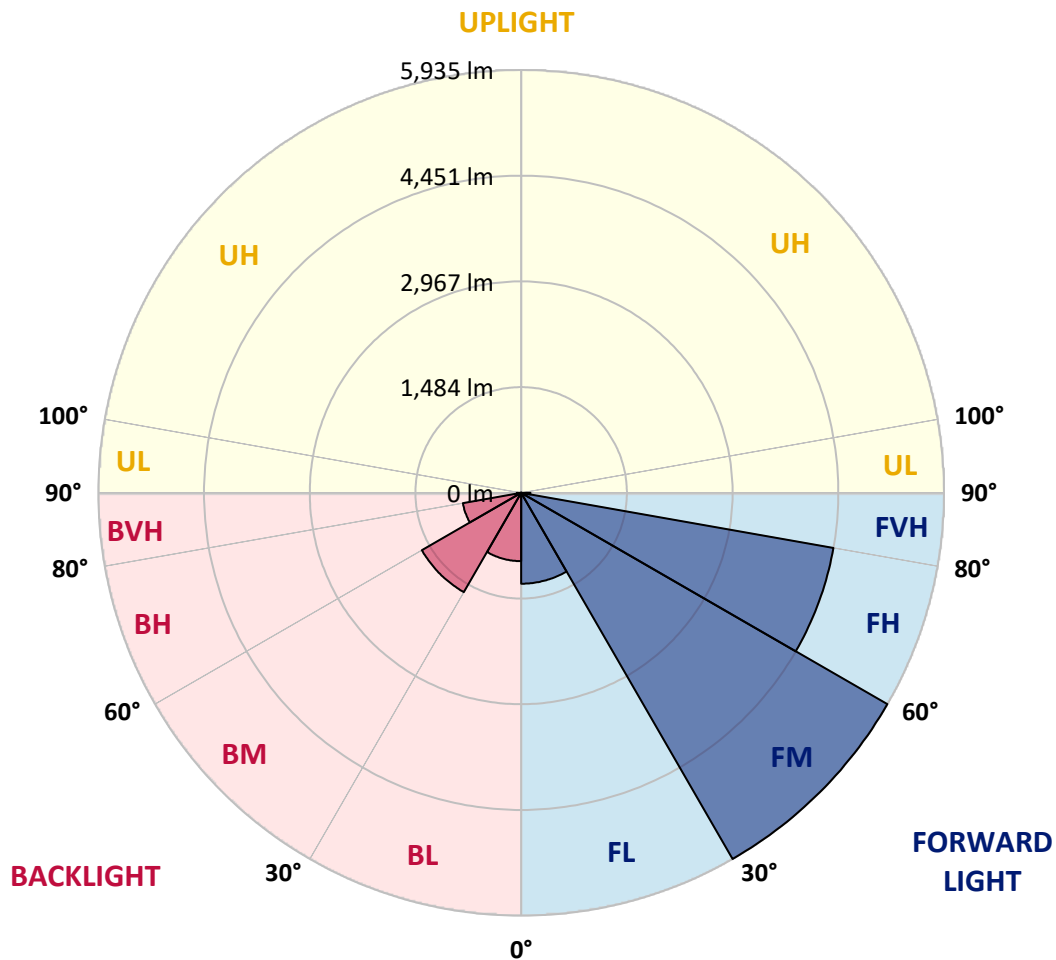
CATALOG NUMBER: VERD-G-CA2-130-722-U-T3

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1275.7	8.4			
FM (30°-60°)	5934.9	38.9			
FH (60°-80°)	4450.1	29.2			G2/5000
FVH (80°-90°)	130.6	0.9			G2/225
BL (0°-30°)	958.8	6.3	B2/1000		
BM (30°-60°)	1609.8	10.6	B2/2500		
BH (60°-80°)	830.9	5.4	B2/1000		G2/1000
BVH (80°-90°)	61.2	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G2**

Type III Short





REPORT NUMBER: P509583

CATALOG NUMBER: VERD-G-CA2-130-722-U-T3

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	2299.6	2299.6	2299.6	2299.6	2299.6	2299.6	2299.6	2299.6	2299.6	2299.6	2299.6
2.5°	2336.0	2347.1	2328.9	2316.8	2303.6	2310.7	2293.5	2293.5	2285.4	2298.6	2290.5
5°	2411.7	2421.8	2390.5	2365.3	2363.2	2342.0	2340.0	2329.9	2317.8	2328.9	2340.0
7.5°	2512.8	2508.7	2486.5	2457.2	2427.9	2415.8	2395.6	2380.4	2362.2	2372.3	2375.4
10°	2636.0	2629.0	2599.7	2553.2	2529.9	2496.6	2446.1	2417.8	2404.7	2414.8	2417.8
12.5°	2767.4	2758.3	2730.0	2678.5	2638.1	2585.5	2527.9	2482.5	2473.4	2463.3	2480.4
15°	2914.9	2898.7	2874.5	2833.1	2770.4	2701.7	2622.9	2579.5	2566.3	2549.1	2541.1
17.5°	3074.5	3072.5	3041.2	2995.7	2932.1	2837.1	2736.1	2668.4	2668.4	2661.3	2617.9
20°	3246.3	3238.2	3206.9	3181.6	3091.7	2991.7	2868.4	2782.5	2773.4	2759.3	2687.6
22.5°	3419.1	3420.1	3379.7	3360.5	3293.8	3165.5	3009.9	2924.0	2905.8	2886.6	2762.3
25°	3575.7	3577.7	3565.6	3530.2	3475.6	3357.4	3194.8	3080.6	3070.5	3044.2	2893.7
27.5°	3734.3	3759.6	3724.2	3728.2	3704.0	3568.6	3405.9	3267.5	3277.6	3220.0	3013.9
30°	3922.2	3931.3	3914.1	3919.2	3904.0	3815.1	3657.5	3545.4	3545.4	3479.7	3218.0
32.5°	4072.8	4064.7	4065.7	4118.2	4125.3	4076.8	3947.5	3911.1	3942.4	3934.4	3698.9
35°	4147.5	4161.7	4201.1	4321.3	4379.9	4350.6	4335.5	4384.0	4462.8	4513.3	4224.3
37.5°	4243.5	4287.0	4336.5	4470.9	4579.0	4659.8	4742.6	4902.3	5015.4	5081.1	4723.4
40°	4342.5	4346.6	4445.6	4612.3	4823.5	4951.8	5148.8	5423.6	5534.8	5485.3	5000.3
42.5°	4265.8	4275.9	4413.3	4710.3	4975.0	5303.4	5516.6	5833.8	5910.6	5760.1	5286.2
45°	4166.7	4185.9	4359.7	4710.3	5141.7	5625.7	5869.2	6222.8	6231.9	6028.8	5459.0
47.5°	4078.8	4095.0	4277.9	4673.9	5298.3	5908.6	6153.1	6441.1	6502.7	6248.1	5688.3
50°	3961.6	4002.0	4181.9	4641.6	5371.1	6105.6	6404.7	6703.8	6725.0	6455.2	5860.1
52.5°	3834.3	3869.7	4091.0	4581.0	5464.0	6268.3	6571.4	6956.3	6916.9	6732.0	6053.1
55°	3662.6	3693.9	3949.5	4484.0	5475.2	6356.2	6691.6	7190.8	7205.9	6962.4	6240.0
57.5°	3465.5	3518.1	3750.5	4304.1	5373.1	6382.5	6898.8	7508.0	7566.6	7247.3	6389.5
60°	3252.4	3293.8	3557.5	4113.2	5237.7	6481.5	7182.7	7919.2	7965.7	7495.9	6450.2
62.5°	3034.1	3068.5	3286.7	3826.2	4989.2	6500.7	7430.2	8332.5	8317.3	7717.2	6534.0
65°	2762.3	2765.4	2971.5	3479.7	4643.6	6363.3	7557.5	8500.2	8515.3	7918.2	6438.0
67.5°	2416.8	2436.0	2592.6	3075.5	4172.8	6017.7	7476.7	8644.7	8704.3	8042.5	6315.8
70°	1924.7	1935.9	2099.5	2549.1	3547.4	5483.2	7323.1	8666.9	8653.8	7881.8	5979.3
72.5°	1369.0	1411.5	1521.6	1792.4	2721.9	4488.0	6629.0	7980.9	7920.2	7261.5	5333.7
75°	880.0	884.1	994.2	1171.0	1593.3	3181.6	5525.7	6879.6	6904.8	6298.6	4342.5
77.5°	291.0	328.4	364.7	494.1	660.8	1324.6	3730.3	5422.6	5499.4	4961.9	2963.4
80°	128.3	128.3	217.2	279.9	356.7	567.8	1488.3	2454.2	2689.6	2313.7	1141.7
82.5°	94.0	96.0	145.5	166.7	140.4	236.4	534.5	786.1	833.5	748.7	453.7
85°	53.5	55.6	62.6	71.7	59.6	96.0	118.2	121.2	122.3	106.1	82.8
87.5°	24.2	24.2	22.2	19.2	11.1	7.1	7.1	5.1	6.1	5.1	4.0
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: P509583

CATALOG NUMBER: VERD-G-CA2-130-722-U-T3

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2299.6	2299.6	2299.6	2299.6	2299.6	2299.6	2299.6	2299.6	2299.6	2299.6	2299.6
2.5°	2287.5	2297.6	2319.8	2323.8	2333.9	2349.1	2368.3	2377.4	2407.7	2421.8	2425.9
5°	2342.0	2347.1	2385.5	2398.6	2444.1	2467.3	2487.5	2501.7	2539.0	2548.1	2564.3
7.5°	2383.4	2400.6	2447.1	2476.4	2504.7	2528.9	2526.9	2560.3	2579.5	2594.6	2600.7
10°	2425.9	2435.0	2482.5	2495.6	2516.8	2535.0	2540.1	2549.1	2554.2	2575.4	2582.5
12.5°	2491.6	2485.5	2491.6	2502.7	2519.8	2515.8	2526.9	2513.8	2520.9	2548.1	2538.0
15°	2540.1	2525.9	2499.6	2500.6	2489.5	2484.5	2468.3	2457.2	2456.2	2462.3	2472.4
17.5°	2594.6	2553.2	2504.7	2491.6	2450.1	2409.7	2381.4	2351.1	2346.1	2352.1	2345.1
20°	2642.1	2586.5	2502.7	2461.2	2380.4	2307.7	2266.2	2220.8	2218.8	2214.7	2206.6
22.5°	2699.7	2630.0	2501.7	2417.8	2321.8	2204.6	2118.7	2084.4	2043.0	2059.1	2057.1
25°	2785.6	2698.7	2510.8	2371.3	2215.7	2076.3	1966.2	1890.4	1849.0	1839.9	1843.9
27.5°	2891.7	2776.5	2515.8	2312.7	2118.7	1919.7	1744.9	1630.7	1605.5	1572.1	1575.2
30°	3046.2	2882.6	2540.1	2248.1	1976.3	1719.6	1511.5	1363.0	1320.5	1327.6	1329.6
32.5°	3411.0	3100.8	2557.2	2173.3	1819.7	1498.4	1226.6	1078.1	1044.7	1056.8	1063.9
35°	3889.9	3519.1	2651.2	2077.3	1641.8	1239.7	940.6	856.8	863.9	887.1	893.2
37.5°	4364.8	3962.6	2858.3	1993.4	1414.5	948.7	750.7	701.2	742.6	764.8	771.9
40°	4656.8	4257.7	3086.7	1864.1	1125.5	697.2	571.9	543.6	591.1	642.6	667.8
42.5°	4951.8	4499.1	3235.2	1706.5	805.3	507.2	425.4	448.6	526.4	577.9	590.1
45°	5139.7	4623.4	3249.3	1455.9	536.5	393.0	388.0	437.5	517.3	558.7	565.8
47.5°	5322.6	4790.1	3189.7	1166.0	404.1	373.8	384.9	442.5	521.3	567.8	566.8
50°	5504.5	4953.8	3060.4	925.5	381.9	361.7	391.0	452.6	528.4	563.8	563.8
52.5°	5615.6	5034.6	2800.7	736.6	367.8	354.6	394.0	456.7	521.3	541.6	538.5
55°	5749.0	5053.8	2625.9	613.3	352.6	349.6	400.1	467.8	520.3	522.4	515.3
57.5°	5818.7	5006.3	2483.5	521.3	339.5	351.6	407.2	470.8	549.6	573.9	577.9
60°	5788.4	4948.8	2321.8	463.8	327.4	348.6	405.2	494.1	640.6	691.1	682.0
62.5°	5759.1	4840.6	2050.0	416.3	314.2	350.6	403.1	547.6	752.7	700.2	671.9
65°	5653.0	4616.3	1696.4	370.8	298.1	351.6	399.1	605.2	770.9	707.3	658.8
67.5°	5362.0	4242.5	1341.8	322.3	278.9	337.5	390.0	568.8	617.3	555.7	529.4
70°	4928.6	3701.0	920.4	278.9	255.6	320.3	383.9	538.5	579.9	536.5	503.2
72.5°	4229.4	2907.8	510.2	233.4	224.3	299.1	382.9	531.5	584.0	459.7	423.3
75°	3216.0	1928.8	331.4	182.9	183.9	266.7	364.7	507.2	565.8	432.4	382.9
77.5°	1894.4	812.3	231.4	130.3	143.5	207.1	324.3	486.0	535.5	423.3	382.9
80°	643.6	357.7	150.5	87.9	87.9	132.4	231.4	397.1	476.9	412.2	408.2
82.5°	334.4	227.3	96.0	54.6	50.5	63.7	142.5	272.8	382.9	349.6	398.1
85°	66.7	47.5	30.3	22.2	24.2	32.3	50.5	138.4	242.5	269.8	323.3
87.5°	5.1	4.0	6.1	6.1	6.1	6.1	7.1	34.4	97.0	119.2	147.5
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)