

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: P553555

Luminaire Tested: **VERD-G-CA2-150-727-U-T3**

Issue Date: 7/12/2021

Test Information

Test Method: LM-79-08
Report Number: P553555
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-CA2-150-727-U-T3
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 2700K, 1380mA LEDS AND TYPE III OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18296 lumens
Efficiency: N/A
Efficacy: 120.2 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

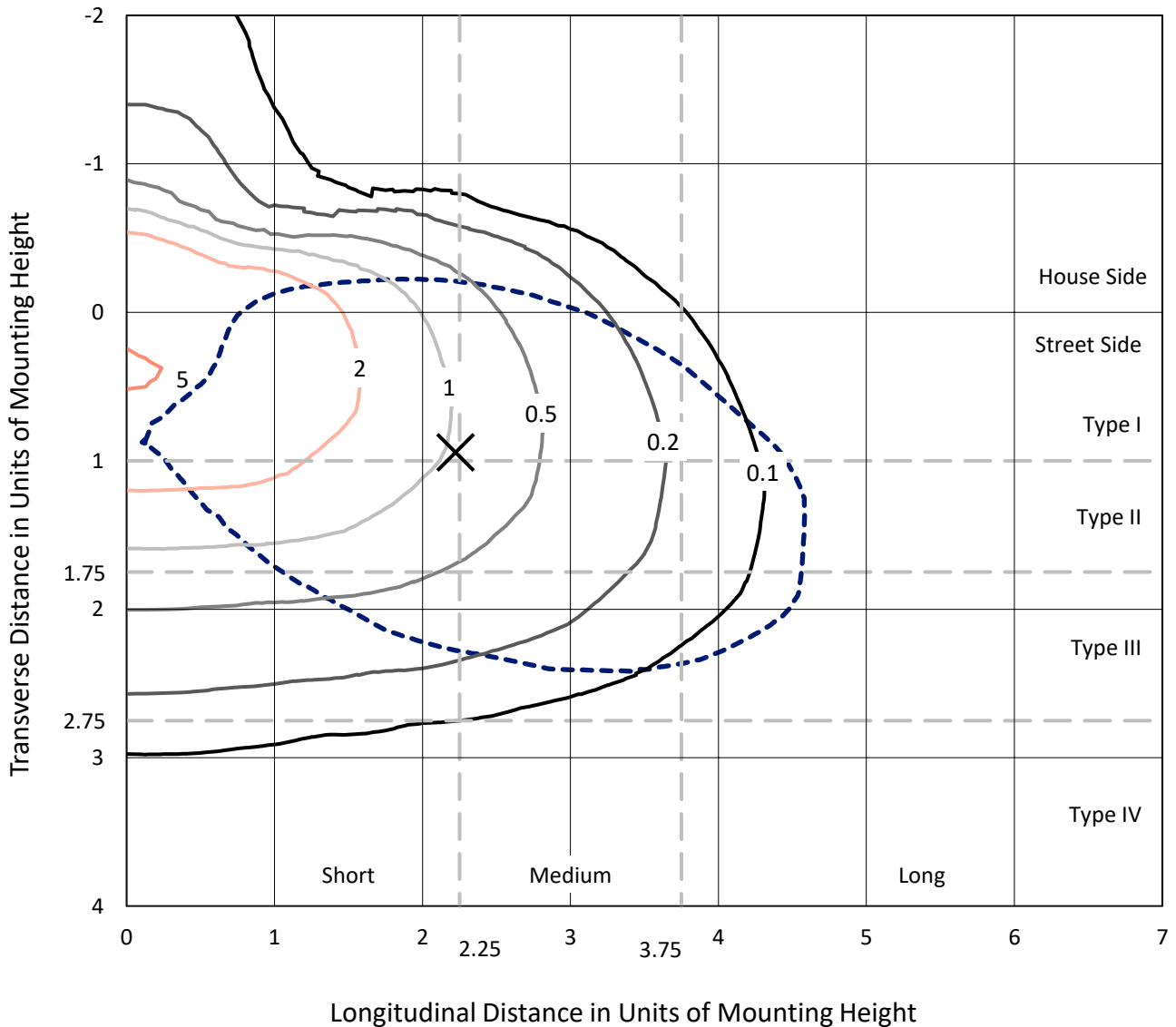
Input Watts (W): 152.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

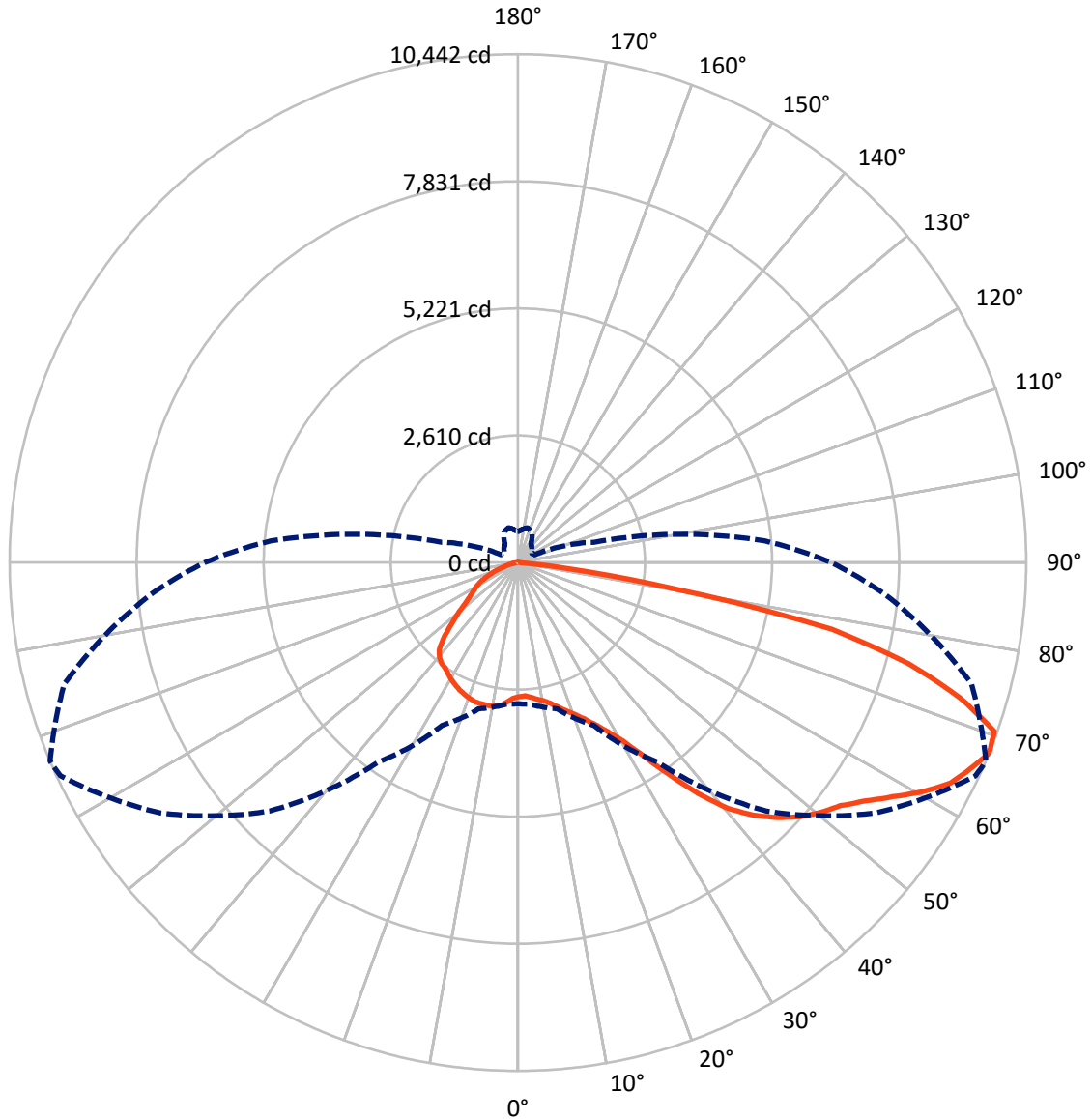
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.2 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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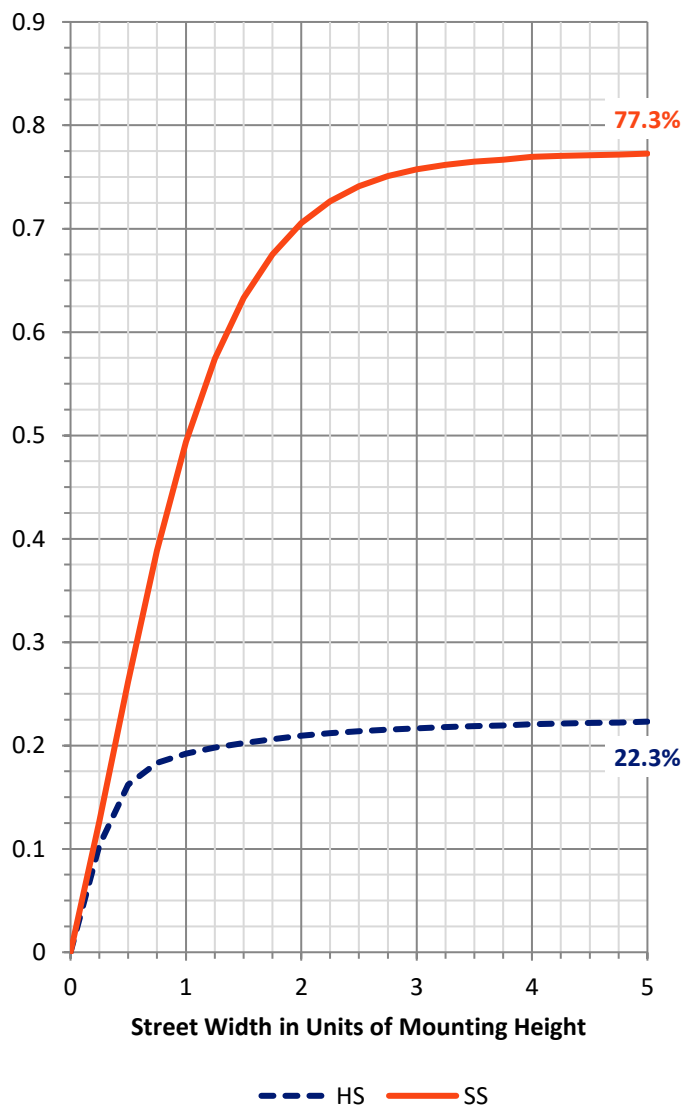
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4151.4	0.0	4151.4
	% Fixture	22.7	0.0	22.7
Street Side	Lumens	14144.6	0.0	14144.6
	% Fixture	77.3	0.0	77.3
Total	Lumens	18296.0	0.0	18296.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	279.4	1.5
10°-20°	884.3	4.8
20°-30°	1516.7	8.3
30°-40°	2257.3	12.3
40°-50°	3086.2	16.9
50°-60°	3707.0	20.3
60°-70°	3932.6	21.5
70°-80°	2402.4	13.1
80°-90°	230.1	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°	18296.0	100.0
0°-180°	18296.0	100.0

Coefficient of Utilization



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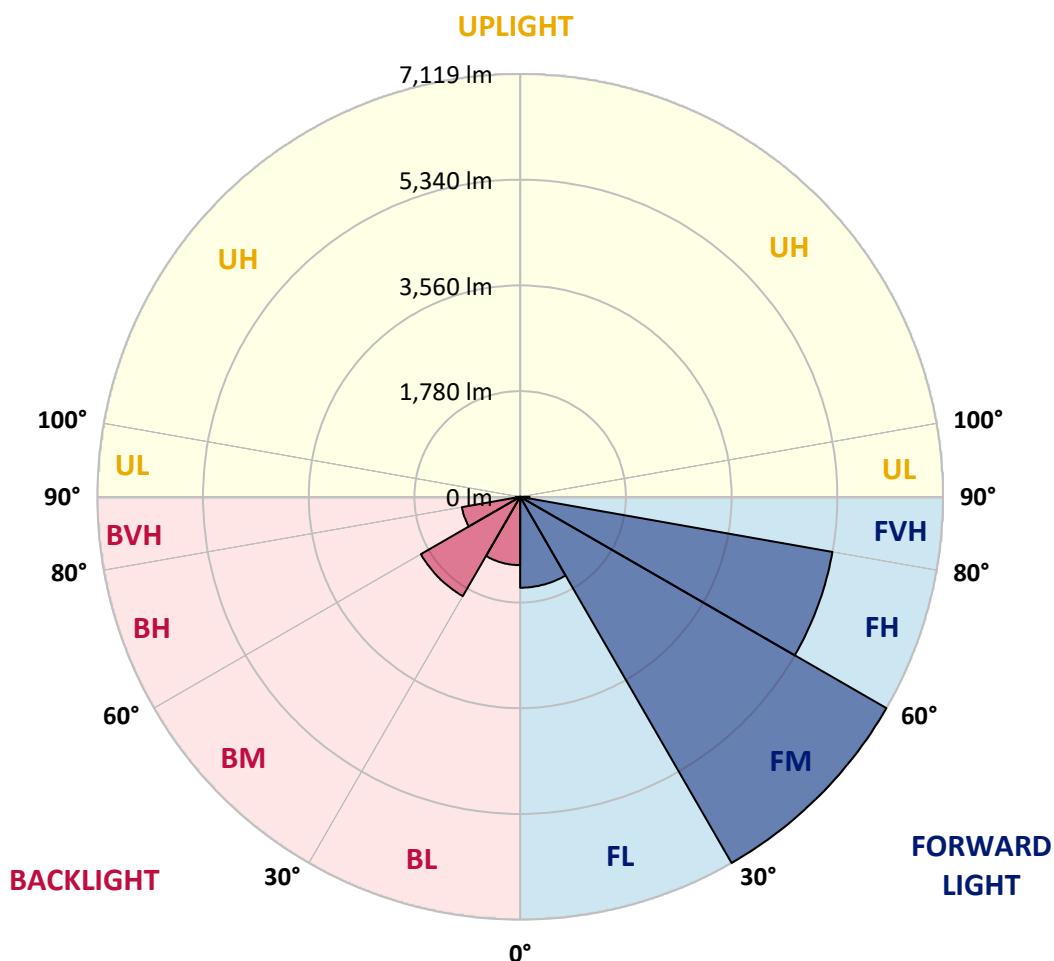
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1530.3	8.4			
FM (30°-60°)	7119.4	38.9			
FH (60°-80°)	5338.3	29.2			G3/7500
FVH (80°-90°)	156.7	0.9			G2/225
BL (0°-30°)	1150.2	6.3	B3/2500		
BM (30°-60°)	1931.1	10.6	B2/2500		
BH (60°-80°)	996.8	5.4	B2/1000		G2/1000
BVH (80°-90°)	73.4	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°	2758.5	2758.5	2758.5	2758.5	2758.5	2758.5	2758.5	2758.5	2758.5	2758.5	2758.5
2.5°	2802.2	2815.5	2793.7	2779.1	2763.4	2771.9	2751.3	2751.3	2741.6	2757.3	2747.6
5°	2893.1	2905.2	2867.6	2837.3	2834.9	2809.4	2807.0	2794.9	2780.4	2793.7	2807.0
7.5°	3014.3	3009.4	2982.8	2947.6	2912.5	2897.9	2873.7	2855.5	2833.7	2845.8	2849.4
10°	3162.1	3153.7	3118.5	3062.8	3034.9	2994.9	2934.3	2900.3	2884.6	2896.7	2900.3
12.5°	3319.7	3308.8	3274.9	3213.0	3164.6	3101.5	3032.5	2977.9	2967.0	2954.9	2975.5
15°	3496.7	3477.3	3448.2	3398.5	3323.3	3240.9	3146.4	3094.3	3078.5	3057.9	3048.2
17.5°	3688.2	3685.7	3648.2	3593.6	3517.3	3403.3	3282.1	3200.9	3200.9	3192.4	3140.3
20°	3894.2	3884.5	3846.9	3816.6	3708.8	3588.8	3440.9	3337.9	3327.0	3310.0	3224.0
22.5°	4101.4	4102.7	4054.2	4031.2	3951.2	3797.2	3610.6	3507.6	3485.7	3462.7	3313.6
25°	4289.3	4291.7	4277.2	4234.8	4169.3	4027.5	3832.4	3695.4	3683.3	3651.8	3471.2
27.5°	4479.6	4509.9	4467.5	4472.3	4443.2	4280.8	4085.7	3919.6	3931.8	3862.7	3615.4
30°	4705.0	4715.9	4695.3	4701.4	4683.2	4576.6	4387.5	4252.9	4252.9	4174.2	3860.3
32.5°	4885.6	4875.9	4877.1	4940.2	4948.6	4890.5	4735.3	4691.7	4729.3	4719.6	4437.2
35°	4975.3	4992.3	5039.5	5183.8	5254.1	5218.9	5200.7	5258.9	5353.5	5414.1	5067.4
37.5°	5090.4	5142.6	5202.0	5363.2	5492.8	5589.8	5689.2	5880.7	6016.4	6095.2	5666.2
40°	5209.2	5214.1	5332.9	5532.8	5786.1	5940.1	6176.4	6506.1	6639.4	6580.0	5998.2
42.5°	5117.1	5129.2	5294.1	5650.4	5967.9	6361.8	6617.6	6998.2	7090.3	6909.7	6341.2
45°	4998.3	5021.4	5229.8	5650.4	6167.9	6748.5	7040.6	7464.8	7475.7	7232.1	6548.5
47.5°	4892.9	4912.3	5131.7	5606.8	6355.8	7087.8	7381.1	7726.6	7800.5	7495.1	6823.6
50°	4752.3	4800.8	5016.5	5568.0	6443.1	7324.2	7682.9	8041.7	8067.1	7743.5	7029.7
52.5°	4599.6	4642.0	4907.4	5495.3	6554.6	7519.3	7882.9	8344.7	8297.4	8075.6	7261.2
55°	4393.5	4431.1	4737.8	5378.9	6567.9	7624.8	8027.2	8625.9	8644.1	8352.0	7485.4
57.5°	4157.2	4220.2	4499.0	5163.2	6445.5	7656.3	8275.6	9006.5	9076.8	8693.8	7664.8
60°	3901.5	3951.2	4267.5	4934.1	6283.1	7775.1	8616.2	9499.7	9555.5	8991.9	7737.5
62.5°	3639.7	3680.9	3942.7	4589.9	5984.9	7798.1	8913.1	9995.5	9977.3	9257.3	7838.1
65°	3313.6	3317.3	3564.5	4174.2	5570.4	7633.2	9065.8	10196.7	10214.8	9498.5	7722.9
67.5°	2899.1	2922.2	3110.0	3689.4	5005.6	7218.7	8968.9	10370.0	10441.5	9647.6	7576.3
70°	2308.9	2322.2	2518.6	3057.9	4255.4	6577.6	8784.7	10396.6	10380.9	9454.9	7172.7
72.5°	1642.3	1693.2	1825.3	2150.1	3265.2	5383.8	7952.0	9573.7	9501.0	8710.7	6398.2
75°	1055.7	1060.5	1192.6	1404.7	1911.3	3816.6	6628.5	8252.6	8282.9	7555.7	5209.2
77.5°	349.1	393.9	437.5	592.7	792.7	1588.9	4474.7	6504.9	6597.0	5952.2	3554.8
80°	153.9	153.9	260.6	335.7	427.8	681.2	1785.3	2944.0	3226.4	2775.5	1369.6
82.5°	112.7	115.1	174.5	200.0	168.5	283.6	641.2	942.9	999.9	898.1	544.2
85°	64.2	66.7	75.1	86.1	71.5	115.1	141.8	145.4	146.7	127.3	99.4
87.5°	29.1	29.1	26.7	23.0	13.3	8.5	8.5	6.1	7.3	6.1	4.8
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°	2758.5	2758.5	2758.5	2758.5	2758.5	2758.5	2758.5	2758.5	2758.5	2758.5	2758.5
2.5°	2744.0	2756.1	2782.8	2787.6	2799.7	2817.9	2841.0	2851.9	2888.2	2905.2	2910.0
5°	2809.4	2815.5	2861.6	2877.3	2931.9	2959.7	2984.0	3000.9	3045.8	3056.7	3076.1
7.5°	2859.1	2879.7	2935.5	2970.6	3004.6	3033.7	3031.2	3071.2	3094.3	3112.4	3119.7
10°	2910.0	2920.9	2977.9	2993.7	3019.1	3040.9	3047.0	3057.9	3064.0	3089.4	3097.9
12.5°	2988.8	2981.5	2988.8	3002.2	3022.8	3017.9	3031.2	3015.5	3024.0	3056.7	3044.6
15°	3047.0	3030.0	2998.5	2999.7	2986.4	2980.3	2960.9	2947.6	2946.4	2953.7	2965.8
17.5°	3112.4	3062.8	3004.6	2988.8	2939.1	2890.6	2856.7	2820.4	2814.3	2821.6	2813.1
20°	3169.4	3102.7	3002.2	2952.5	2855.5	2768.2	2718.5	2664.0	2661.6	2656.7	2647.0
22.5°	3238.5	3154.9	3000.9	2900.3	2785.2	2644.6	2541.6	2500.4	2450.7	2470.1	2467.7
25°	3341.5	3237.3	3011.8	2844.6	2657.9	2490.7	2358.6	2267.7	2218.0	2207.1	2211.9
27.5°	3468.8	3330.6	3017.9	2774.3	2541.6	2302.8	2093.1	1956.2	1925.9	1885.9	1889.5
30°	3654.2	3457.9	3047.0	2696.7	2370.7	2062.8	1813.2	1635.0	1584.1	1592.6	1595.0
32.5°	4091.8	3719.7	3067.6	2607.0	2182.8	1797.4	1471.4	1293.2	1253.2	1267.8	1276.2
35°	4666.2	4221.4	3180.3	2491.9	1969.5	1487.1	1128.4	1027.8	1036.3	1064.1	1071.4
37.5°	5235.9	4753.5	3428.8	2391.3	1696.8	1138.1	900.5	841.1	890.8	917.5	926.0
40°	5586.2	5107.4	3702.7	2236.2	1350.2	836.3	686.0	652.1	709.0	770.8	801.1
42.5°	5940.1	5397.1	3880.9	2047.1	966.0	608.4	510.3	538.1	631.5	693.3	707.8
45°	6165.5	5546.2	3897.8	1746.5	643.6	471.5	465.4	524.8	620.5	670.2	678.7
47.5°	6384.9	5746.1	3826.3	1398.7	484.8	448.4	461.8	530.9	625.4	681.2	679.9
50°	6603.0	5942.5	3671.2	1110.2	458.1	433.9	469.0	543.0	633.9	676.3	676.3
52.5°	6736.4	6039.5	3359.7	883.6	441.2	425.4	472.7	547.8	625.4	649.6	646.0
55°	6896.3	6062.5	3150.0	735.7	423.0	419.4	480.0	561.2	624.2	626.6	618.1
57.5°	6980.0	6005.5	2979.1	625.4	407.2	421.8	488.4	564.8	659.3	688.4	693.3
60°	6943.6	5936.4	2785.2	556.3	392.7	418.1	486.0	592.7	768.4	829.0	818.1
62.5°	6908.5	5806.7	2459.2	499.3	376.9	420.6	483.6	656.9	902.9	839.9	806.0
65°	6781.2	5537.7	2035.0	444.8	357.5	421.8	478.7	726.0	924.8	848.4	790.2
67.5°	6432.1	5089.2	1609.6	386.6	334.5	404.8	467.8	682.4	740.5	666.6	635.1
70°	5912.2	4439.6	1104.1	334.5	306.6	384.2	460.6	646.0	695.7	643.6	603.6
72.5°	5073.5	3488.2	612.1	280.0	269.1	358.8	459.4	637.5	700.5	551.5	507.8
75°	3857.8	2313.7	397.5	219.4	220.6	320.0	437.5	608.4	678.7	518.7	459.4
77.5°	2272.5	974.5	277.6	156.3	172.1	248.5	389.1	583.0	642.4	507.8	459.4
80°	772.1	429.1	180.6	105.4	105.4	158.8	277.6	476.3	572.1	494.5	489.7
82.5°	401.2	272.7	115.1	65.4	60.6	76.4	170.9	327.2	459.4	419.4	477.5
85°	80.0	57.0	36.4	26.7	29.1	38.8	60.6	166.0	290.9	323.6	387.8
87.5°	6.1	4.8	7.3	7.3	7.3	7.3	8.5	41.2	116.4	143.0	177.0
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)