

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: P509623

Luminaire Tested: **VERD-G-CA2-130-760-U-T3**

Issue Date: 4/6/2021

Test Information

Test Method: LM-79-08
Report Number: P509623
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-CA2-130-760-U-T3
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 5700K, 1200mA LEDS AND TYPE III OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18653 lumens
Efficiency: N/A
Efficacy: 139.3 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

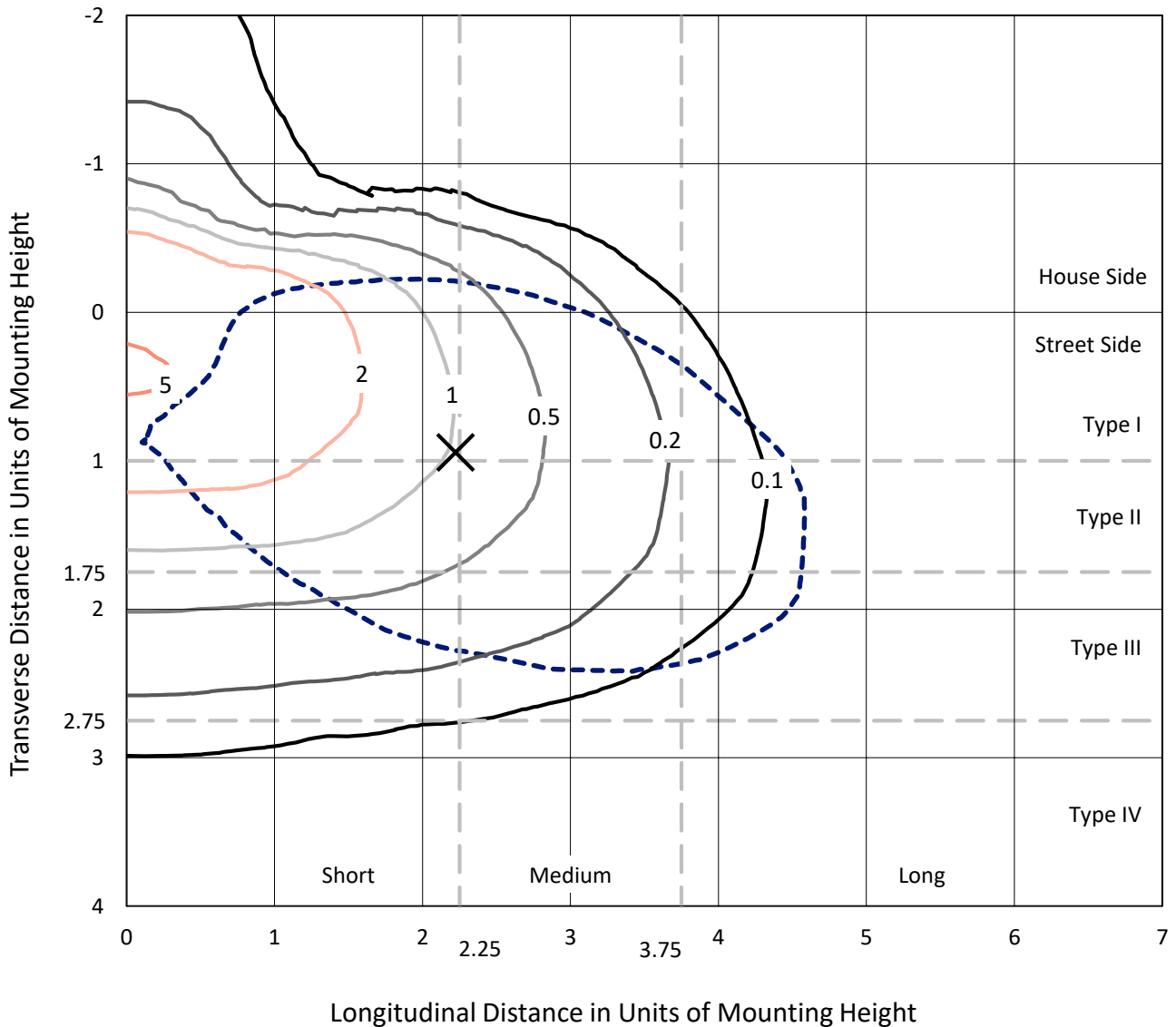
Input Watts (W): 133.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

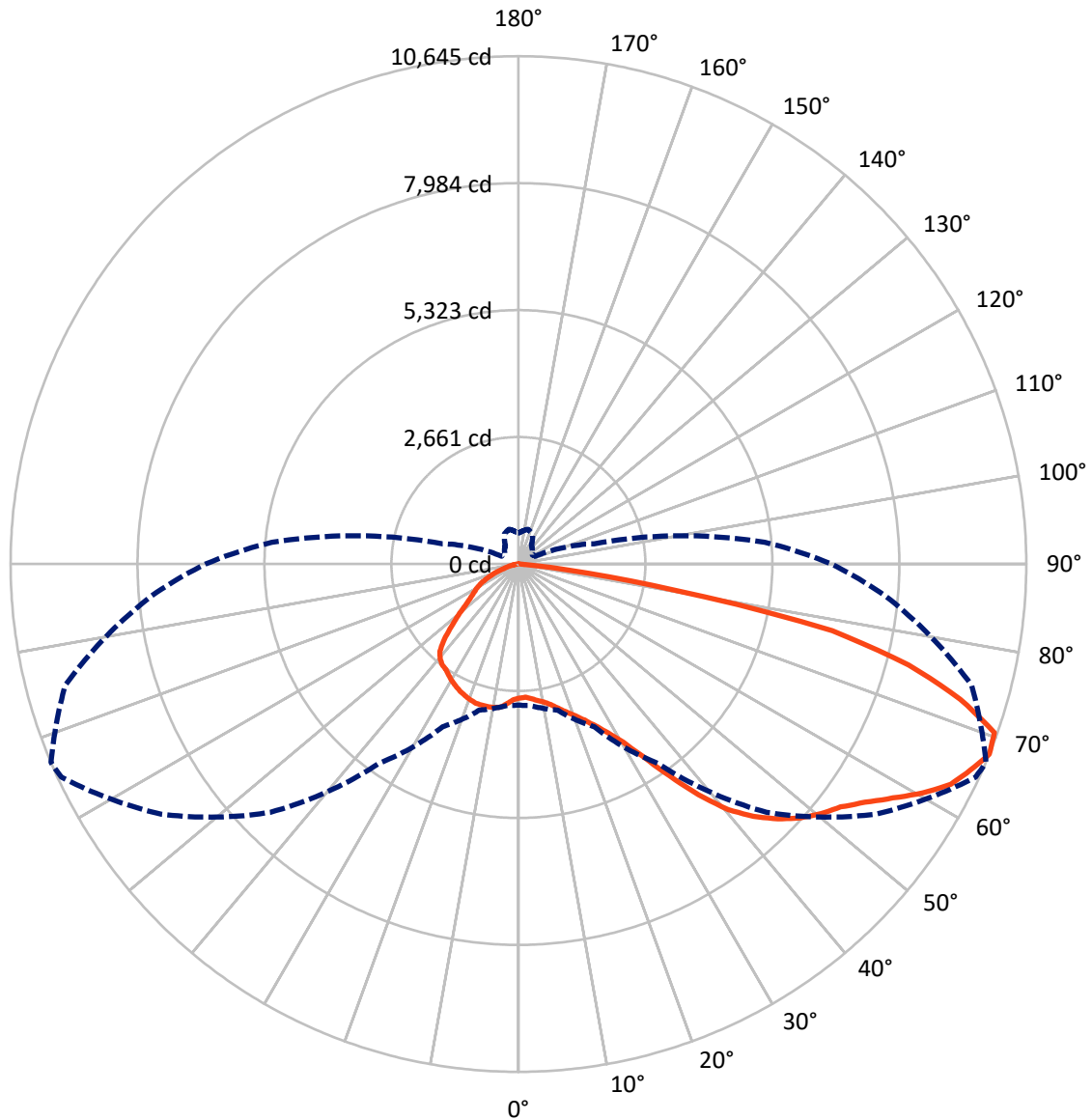
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.3 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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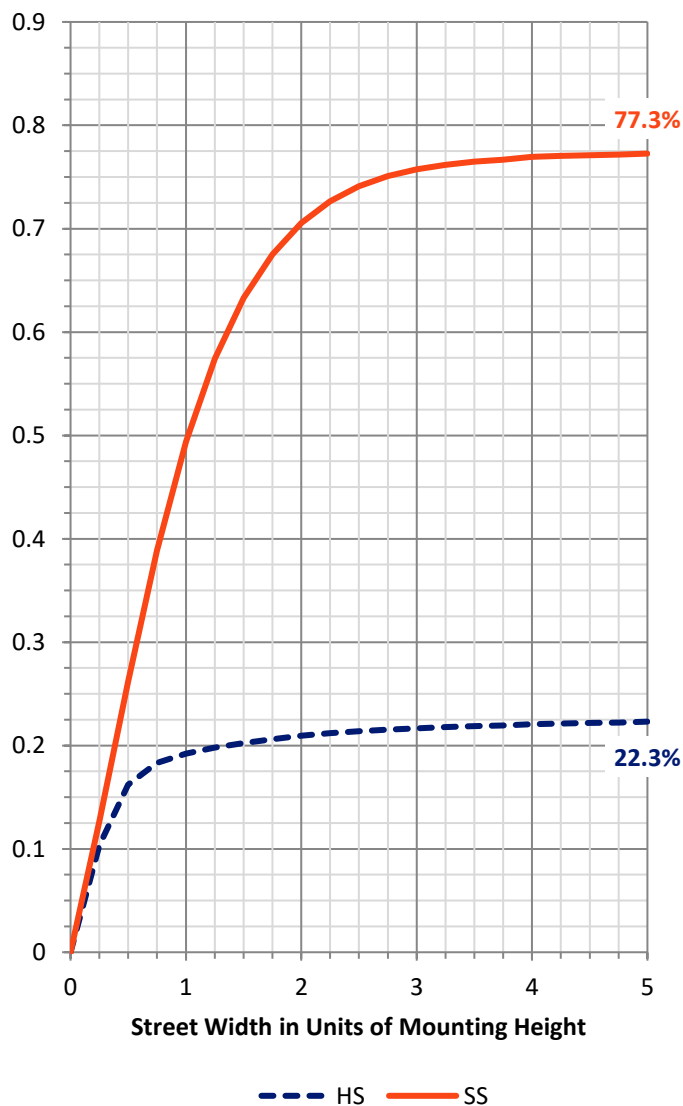
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4232.4	0.0	4232.4
	% Fixture	22.7	0.0	22.7
Street Side	Lumens	14420.6	0.0	14420.6
	% Fixture	77.3	0.0	77.3
Total	Lumens	18653.0	0.0	18653.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	284.8	1.5
10°-20°	901.6	4.8
20°-30°	1546.3	8.3
30°-40°	2301.3	12.3
40°-50°	3146.4	16.9
50°-60°	3779.4	20.3
60°-70°	4009.4	21.5
70°-80°	2449.3	13.1
80°-90°	234.5	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°	18653.0	100.0
0°-180°	18653.0	100.0

Coefficient of Utilization



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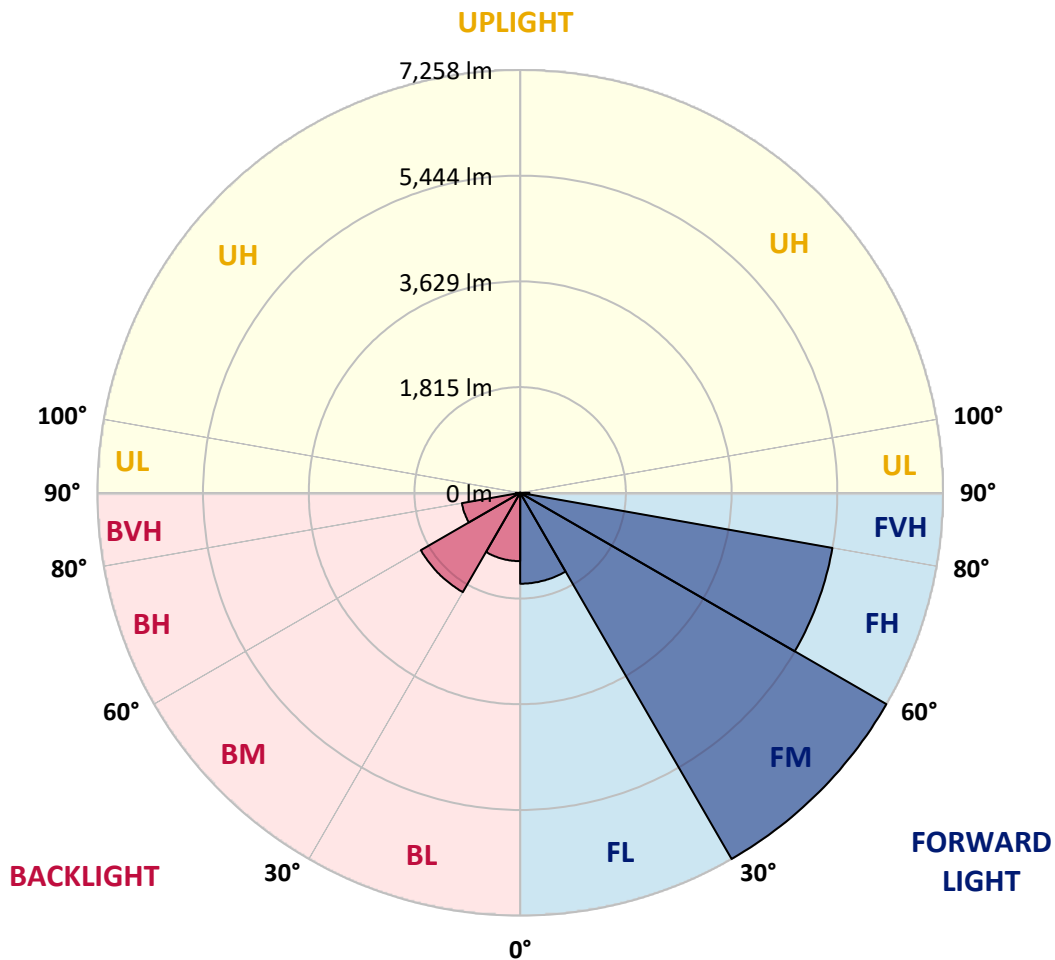
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1560.1	8.4			
FM (30°-60°)	7258.3	38.9			
FH (60°-80°)	5442.4	29.2			G3/7500
FVH (80°-90°)	159.7	0.9			G2/225
BL (0°-30°)	1172.6	6.3	B3/2500		
BM (30°-60°)	1968.8	10.6	B2/2500		
BH (60°-80°)	1016.2	5.4	B3/2500		G3/2500
BVH (80°-90°)	74.8	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°	2812.4	2812.4	2812.4	2812.4	2812.4	2812.4	2812.4	2812.4	2812.4	2812.4	2812.4
2.5°	2856.8	2870.4	2848.2	2833.4	2817.3	2826.0	2804.9	2804.9	2795.1	2811.1	2801.2
5°	2949.5	2961.9	2923.6	2892.7	2890.2	2864.3	2861.8	2849.4	2834.6	2848.2	2861.8
7.5°	3073.1	3068.1	3041.0	3005.1	2969.3	2954.5	2929.8	2911.2	2889.0	2901.3	2905.0
10°	3223.8	3215.2	3179.4	3122.5	3094.1	3053.3	2991.5	2956.9	2940.9	2953.2	2956.9
12.5°	3384.5	3373.4	3338.8	3275.7	3226.3	3162.1	3091.6	3036.0	3024.9	3012.5	3033.5
15°	3564.9	3545.1	3515.5	3464.8	3388.2	3304.2	3207.8	3154.6	3138.6	3117.6	3107.7
17.5°	3760.1	3757.6	3719.3	3663.7	3585.9	3469.7	3346.2	3263.4	3263.4	3254.7	3201.6
20°	3970.2	3960.3	3922.0	3891.1	3781.1	3658.8	3508.0	3403.0	3391.9	3374.6	3286.9
22.5°	4181.5	4182.7	4133.3	4109.8	4028.3	3871.3	3681.0	3576.0	3553.8	3530.3	3378.3
25°	4373.0	4375.5	4360.6	4317.4	4250.7	4106.1	3907.2	3767.5	3755.2	3723.0	3538.9
27.5°	4567.0	4597.9	4554.6	4559.6	4529.9	4364.4	4165.4	3996.1	4008.5	3938.1	3686.0
30°	4796.8	4808.0	4786.9	4793.1	4774.6	4665.9	4473.1	4335.9	4335.9	4255.6	3935.6
32.5°	4980.9	4971.1	4972.3	5036.6	5045.2	4985.9	4827.7	4783.2	4821.5	4811.7	4523.8
35°	5072.4	5089.7	5137.9	5284.9	5356.6	5320.8	5302.2	5361.5	5457.9	5519.7	5166.3
37.5°	5189.8	5242.9	5303.5	5467.8	5600.0	5698.9	5800.2	5995.4	6133.8	6214.1	5776.7
40°	5310.9	5315.8	5436.9	5640.8	5899.0	6056.0	6296.9	6633.0	6768.9	6708.4	6115.3
42.5°	5217.0	5229.3	5397.4	5760.7	6084.4	6486.0	6746.7	7134.7	7228.6	7044.5	6465.0
45°	5095.9	5119.3	5331.9	5760.7	6288.3	6880.2	7178.0	7610.4	7621.6	7373.2	6676.3
47.5°	4988.4	5008.1	5231.8	5716.2	6479.8	7226.1	7525.2	7877.3	7952.7	7641.3	6956.8
50°	4845.0	4894.5	5114.4	5676.6	6568.8	7467.1	7832.9	8198.6	8224.6	7894.6	7166.8
52.5°	4689.3	4732.6	5003.2	5602.5	6682.5	7666.0	8036.7	8507.5	8459.3	8233.2	7402.8
55°	4479.3	4517.6	4830.2	5483.9	6696.0	7773.5	8183.8	8794.2	8812.7	8514.9	7631.4
57.5°	4238.3	4302.6	4586.8	5263.9	6571.2	7805.7	8437.1	9182.2	9253.9	8863.4	7814.3
60°	3977.6	4028.3	4350.8	5030.4	6405.7	7926.8	8784.3	9685.1	9741.9	9167.4	7888.5
62.5°	3710.7	3752.7	4019.6	4679.4	6101.7	7950.2	9087.0	10190.5	10172.0	9438.0	7991.0
65°	3378.3	3382.0	3634.1	4255.6	5679.1	7782.2	9242.7	10395.6	10414.1	9683.9	7873.6
67.5°	2955.7	2979.2	3170.7	3761.4	5103.3	7359.6	9143.9	10572.3	10645.2	9835.9	7724.1
70°	2353.9	2367.5	2567.7	3117.6	4338.4	6705.9	8956.1	10599.5	10583.4	9639.4	7312.6
72.5°	1674.3	1726.2	1860.9	2192.1	3328.9	5488.8	8107.2	9760.5	9686.3	8880.7	6523.1
75°	1076.3	1081.2	1215.9	1432.1	1948.6	3891.1	6757.8	8413.6	8444.5	7703.1	5310.9
77.5°	355.9	401.6	446.1	604.2	808.1	1620.0	4562.1	6631.8	6725.7	6068.3	3624.2
80°	156.9	156.9	265.7	342.3	436.2	694.4	1820.1	3001.4	3289.3	2829.7	1396.3
82.5°	114.9	117.4	177.9	203.9	171.8	289.1	653.7	961.3	1019.4	915.6	554.8
85°	65.5	68.0	76.6	87.7	72.9	117.4	144.6	148.3	149.5	129.7	101.3
87.5°	29.7	29.7	27.2	23.5	13.6	8.6	8.6	6.2	7.4	6.2	4.9
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°	2812.4	2812.4	2812.4	2812.4	2812.4	2812.4	2812.4	2812.4	2812.4	2812.4	2812.4
2.5°	2797.5	2809.9	2837.1	2842.0	2854.4	2872.9	2896.4	2907.5	2944.6	2961.9	2966.8
5°	2864.3	2870.4	2917.4	2933.5	2989.1	3017.5	3042.2	3059.5	3105.2	3116.3	3136.1
7.5°	2914.9	2935.9	2992.8	3028.6	3063.2	3092.9	3090.4	3131.2	3154.6	3173.2	3180.6
10°	2966.8	2977.9	3036.0	3052.1	3078.0	3100.3	3106.5	3117.6	3123.8	3149.7	3158.3
12.5°	3047.1	3039.7	3047.1	3060.7	3081.7	3076.8	3090.4	3074.3	3083.0	3116.3	3104.0
15°	3106.5	3089.2	3057.0	3058.3	3044.7	3038.5	3018.7	3005.1	3003.9	3011.3	3023.7
17.5°	3173.2	3122.5	3063.2	3047.1	2996.5	2947.1	2912.5	2875.4	2869.2	2876.6	2868.0
20°	3231.3	3163.3	3060.7	3010.1	2911.2	2822.2	2771.6	2716.0	2713.5	2708.6	2698.7
22.5°	3301.7	3216.4	3059.5	2956.9	2839.5	2696.2	2591.2	2549.2	2498.5	2518.3	2515.8
25°	3406.7	3300.4	3070.6	2900.1	2709.8	2539.3	2404.6	2311.9	2261.3	2250.1	2255.1
27.5°	3536.5	3395.6	3076.8	2828.4	2591.2	2347.8	2134.0	1994.4	1963.5	1922.7	1926.4
30°	3725.5	3525.3	3106.5	2749.3	2417.0	2103.1	1848.5	1666.9	1615.0	1623.7	1626.1
32.5°	4171.6	3792.2	3127.5	2657.9	2225.4	1832.5	1500.1	1318.5	1277.7	1292.5	1301.2
35°	4757.3	4303.8	3242.4	2540.5	2007.9	1516.2	1150.4	1047.8	1056.5	1084.9	1092.3
37.5°	5338.1	4846.3	3495.7	2438.0	1729.9	1160.3	918.1	857.5	908.2	935.4	944.0
40°	5695.2	5207.1	3774.9	2279.8	1376.5	852.6	699.4	664.8	722.9	785.9	816.8
42.5°	6056.0	5502.4	3956.6	2087.0	984.8	620.3	520.2	548.6	643.8	706.8	721.6
45°	6285.8	5654.4	3973.9	1780.6	656.1	480.7	474.5	535.0	632.7	683.3	692.0
47.5°	6509.5	5858.3	3901.0	1426.0	494.3	457.2	470.8	541.2	637.6	694.4	693.2
50°	6731.9	6058.4	3742.8	1131.9	467.1	442.4	478.2	553.6	646.3	689.5	689.5
52.5°	6867.8	6157.3	3425.3	900.8	449.8	433.7	481.9	558.5	637.6	662.3	658.6
55°	7030.9	6180.8	3211.5	750.0	431.2	427.5	489.3	572.1	636.4	638.8	630.2
57.5°	7116.2	6122.7	3037.3	637.6	415.2	430.0	498.0	575.8	672.2	701.9	706.8
60°	7079.1	6052.3	2839.5	567.2	400.4	426.3	495.5	604.2	783.4	845.2	834.1
62.5°	7043.3	5920.1	2507.2	509.1	384.3	428.8	493.0	669.7	920.6	856.3	821.7
65°	6913.5	5645.7	2074.7	453.5	364.5	430.0	488.1	740.2	942.8	865.0	805.7
67.5°	6557.7	5188.5	1641.0	394.2	341.0	412.7	477.0	695.7	755.0	679.6	647.5
70°	6027.6	4526.2	1125.7	341.0	312.6	391.7	469.6	658.6	709.3	656.1	615.4
72.5°	5172.5	3556.2	624.0	285.4	274.3	365.8	468.3	650.0	714.2	562.2	517.7
75°	3933.1	2358.9	405.3	223.7	224.9	326.2	446.1	620.3	692.0	528.9	468.3
77.5°	2316.9	993.5	283.0	159.4	175.5	253.3	396.6	594.4	654.9	517.7	468.3
80°	787.1	437.4	184.1	107.5	107.5	161.9	283.0	485.6	583.2	504.1	499.2
82.5°	409.0	278.0	117.4	66.7	61.8	77.8	174.2	333.6	468.3	427.5	486.9
85°	81.6	58.1	37.1	27.2	29.7	39.5	61.8	169.3	296.6	329.9	395.4
87.5°	6.2	4.9	7.4	7.4	7.4	7.4	8.6	42.0	118.6	145.8	180.4
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)