

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: P509575

Luminaire Tested: **VERD-G-CA2-120-760-U-T3**

Issue Date: 4/6/2021

Test Information

Test Method: LM-79-08
Report Number: P509575
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-CA2-120-760-U-T3
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 5700K, 1120mA LEDS AND TYPE III OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17640 lumens
Efficiency: N/A
Efficacy: 141.5 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

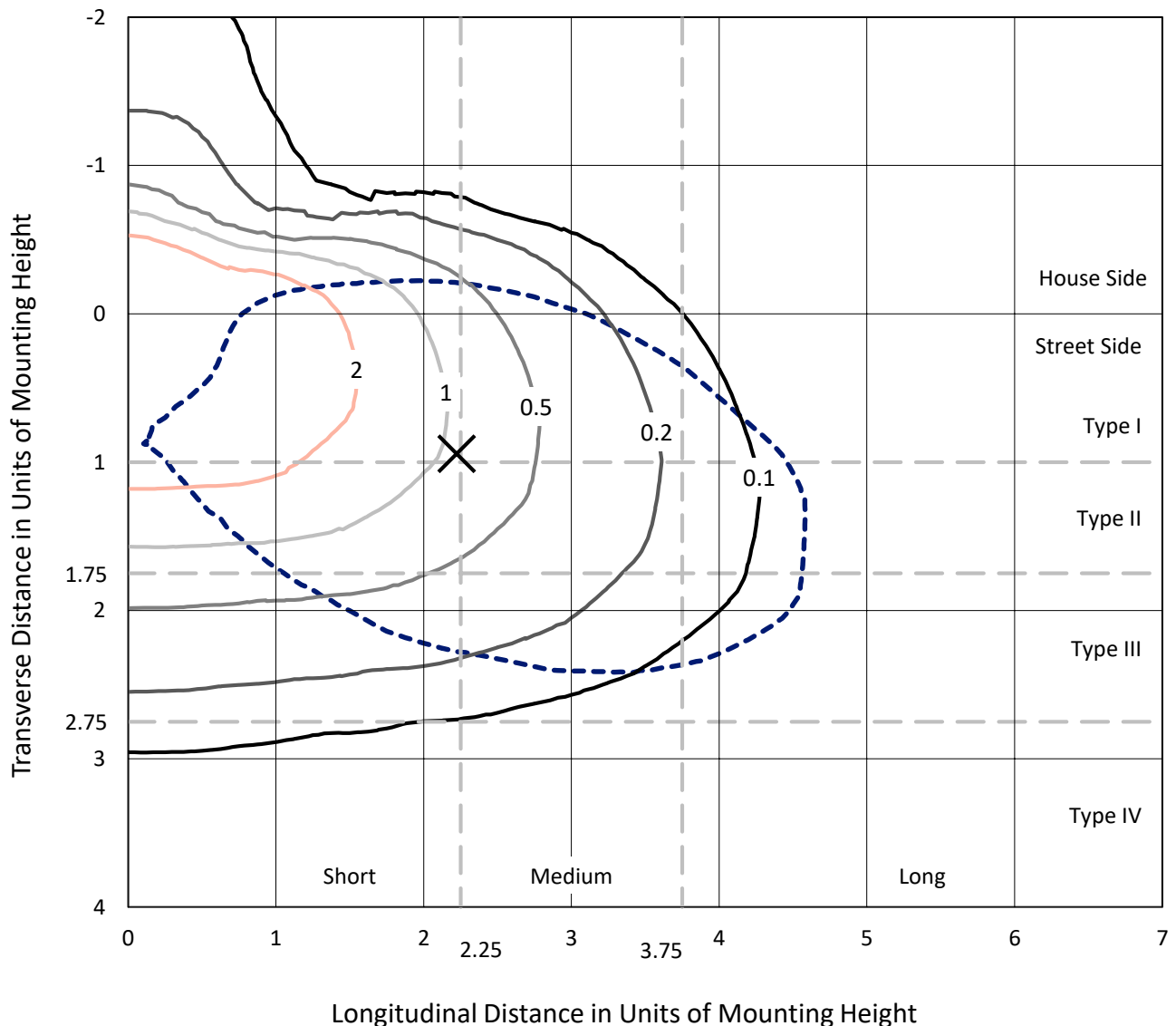
Input Watts (W): 124.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

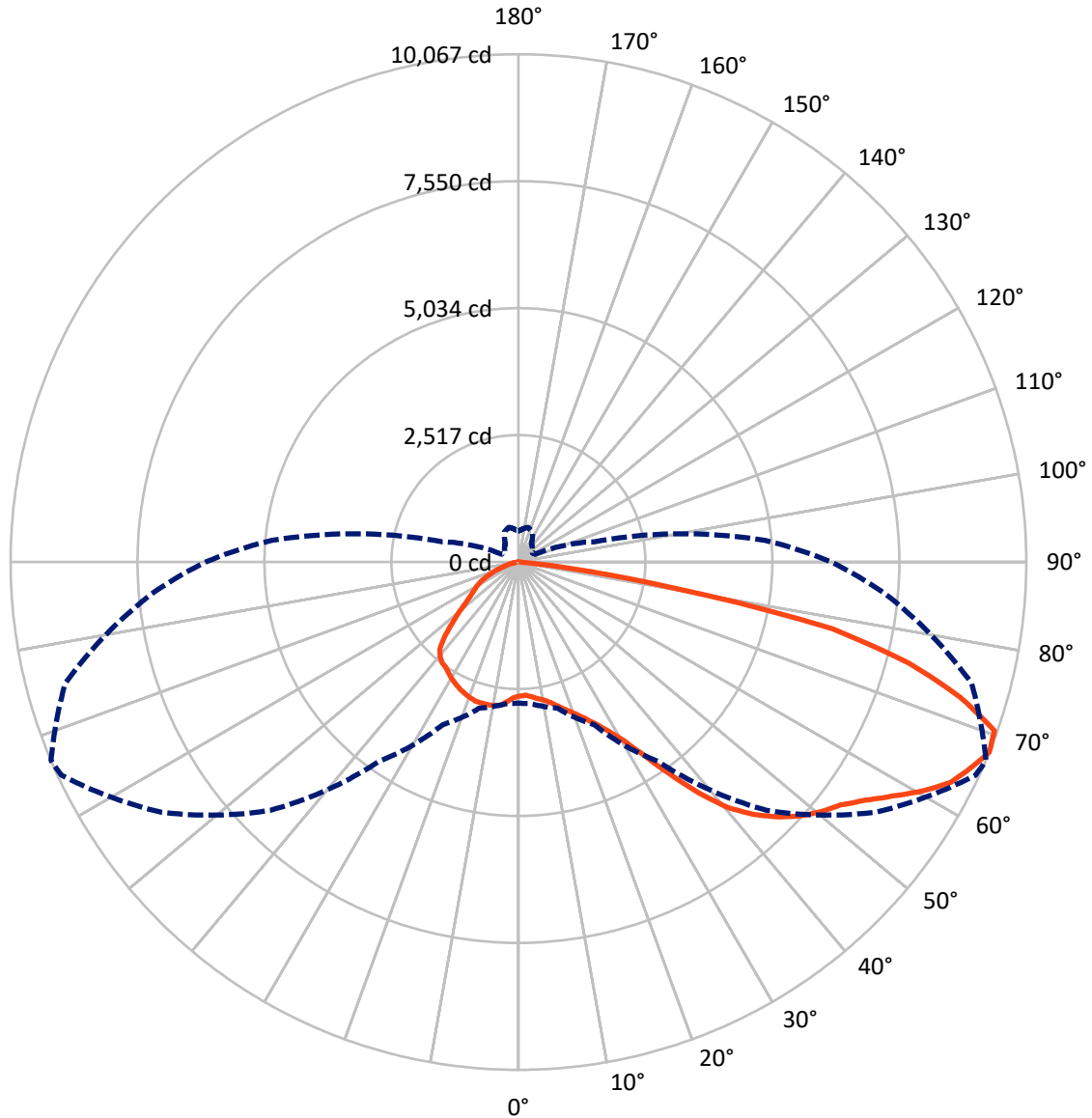
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5 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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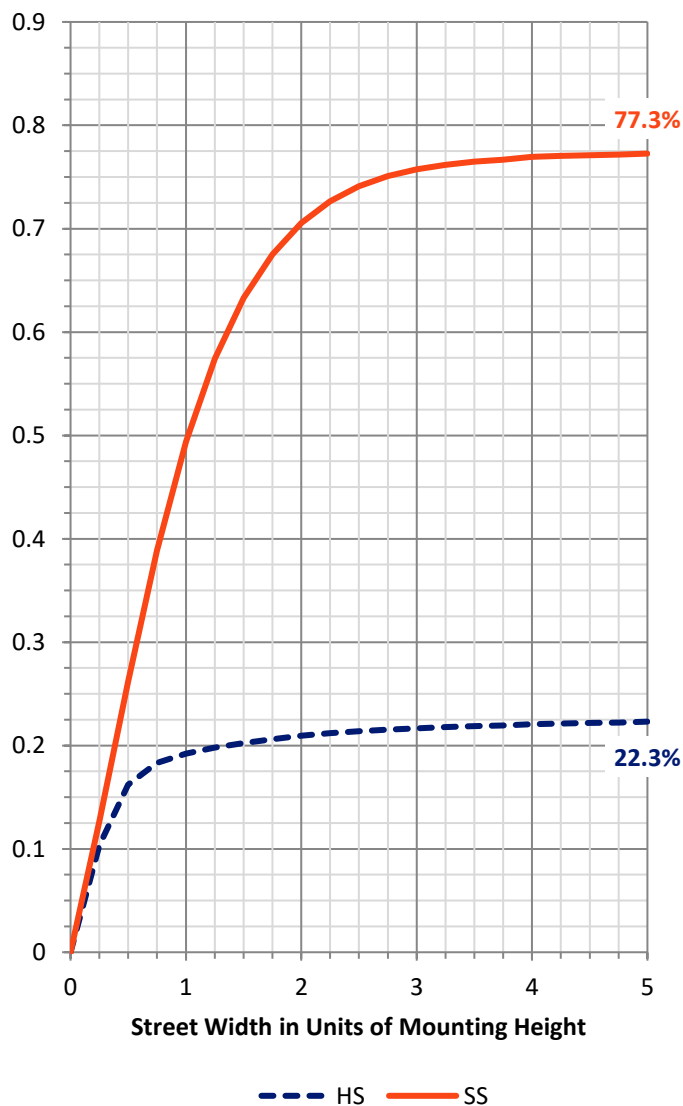
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4002.6	0.0	4002.6
	% Fixture	22.7	0.0	22.7
Street Side	Lumens	13637.4	0.0	13637.4
	% Fixture	77.3	0.0	77.3
Total	Lumens	17640.0	0.0	17640.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	269.4	1.5
10°-20°	852.6	4.8
20°-30°	1462.4	8.3
30°-40°	2176.3	12.3
40°-50°	2975.5	16.9
50°-60°	3574.1	20.3
60°-70°	3791.6	21.5
70°-80°	2316.2	13.1
80°-90°	221.8	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°	17640.0	100.0
0°-180°	17640.0	100.0

Coefficient of Utilization



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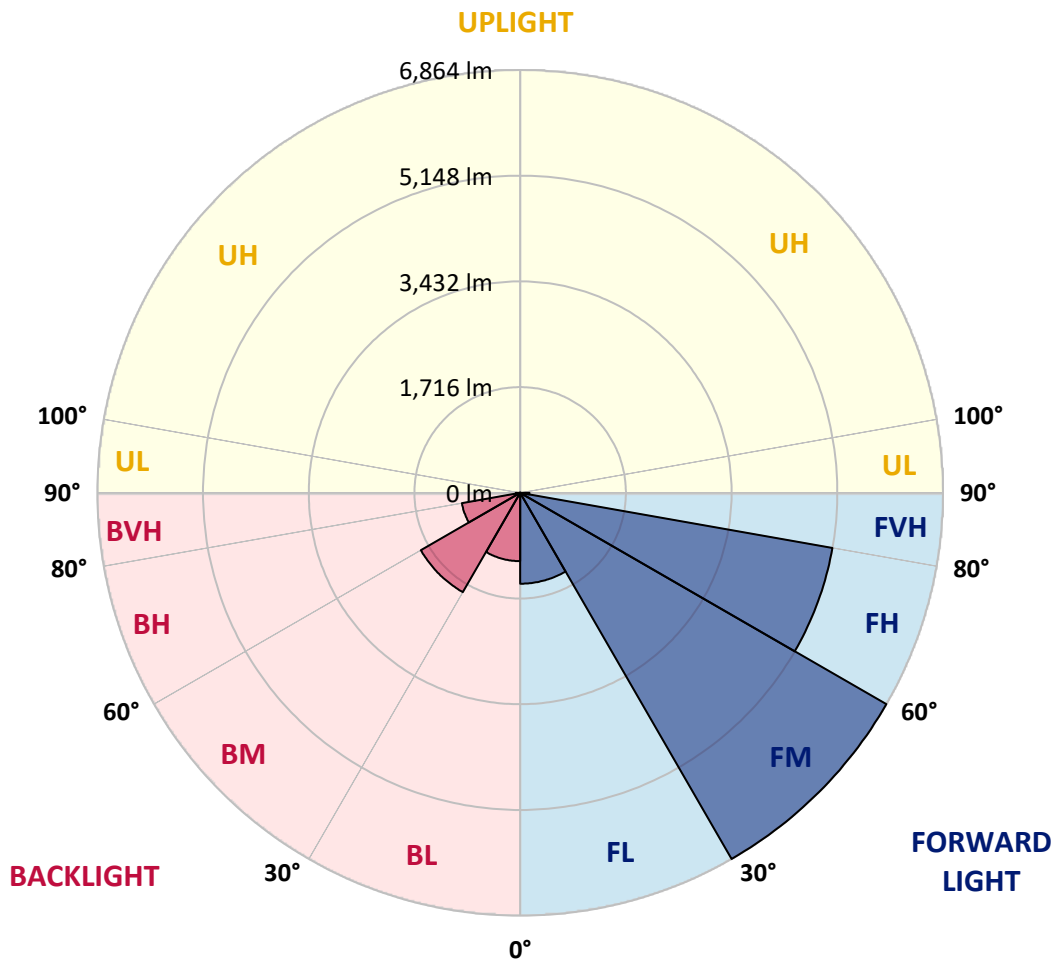
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1475.4	8.4			
FM (30°-60°)	6864.1	38.9			
FH (60°-80°)	5146.9	29.2			G3/7500
FVH (80°-90°)	151.0	0.9			G2/225
BL (0°-30°)	1108.9	6.3	B3/2500		
BM (30°-60°)	1861.8	10.6	B2/2500		
BH (60°-80°)	961.0	5.4	B2/1000		G2/1000
BVH (80°-90°)	70.8	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°	2659.6	2659.6	2659.6	2659.6	2659.6	2659.6	2659.6	2659.6	2659.6	2659.6	2659.6
2.5°	2701.7	2714.6	2693.5	2679.5	2664.3	2672.5	2652.6	2652.6	2643.3	2658.5	2649.1
5°	2789.3	2801.0	2764.8	2735.6	2733.3	2708.7	2706.4	2694.7	2680.7	2693.5	2706.4
7.5°	2906.2	2901.5	2875.8	2841.9	2808.0	2794.0	2770.6	2753.1	2732.1	2743.8	2747.3
10°	3048.8	3040.6	3006.7	2952.9	2926.1	2887.5	2829.1	2796.4	2781.2	2792.8	2796.4
12.5°	3200.7	3190.2	3157.4	3097.8	3051.1	2990.3	2923.7	2871.1	2860.6	2848.9	2868.8
15°	3371.3	3352.6	3324.5	3276.6	3204.2	3124.7	3033.6	2983.3	2968.1	2948.3	2938.9
17.5°	3555.9	3553.6	3517.4	3464.8	3391.1	3281.3	3164.4	3086.2	3086.2	3078.0	3027.7
20°	3754.6	3745.2	3709.0	3679.8	3575.8	3460.1	3317.5	3218.2	3207.7	3191.3	3108.4
22.5°	3954.4	3955.6	3908.8	3886.6	3809.5	3661.1	3481.1	3381.8	3360.8	3338.6	3194.8
25°	4135.5	4137.9	4123.8	4082.9	4019.8	3883.1	3695.0	3562.9	3551.2	3520.9	3346.7
27.5°	4319.0	4348.2	4307.3	4312.0	4283.9	4127.3	3939.2	3779.1	3790.8	3724.2	3485.8
30°	4536.3	4546.8	4527.0	4532.8	4515.3	4412.5	4230.2	4100.5	4100.5	4024.5	3721.8
32.5°	4710.4	4701.1	4702.3	4763.0	4771.2	4715.1	4565.5	4523.5	4559.7	4550.4	4278.1
35°	4796.9	4813.3	4858.9	4997.9	5065.7	5031.8	5014.3	5070.4	5161.5	5219.9	4885.7
37.5°	4907.9	4958.2	5015.4	5170.9	5295.9	5389.4	5485.2	5669.8	5800.7	5876.7	5463.0
40°	5022.4	5027.1	5141.6	5334.5	5578.7	5727.1	5955.0	6272.8	6401.3	6344.1	5783.2
42.5°	4933.6	4945.3	5104.2	5447.8	5754.0	6133.7	6380.3	6747.2	6836.0	6661.9	6113.9
45°	4819.1	4841.3	5042.3	5447.8	5946.8	6506.5	6788.1	7197.1	7207.6	6972.8	6313.7
47.5°	4717.5	4736.2	4947.7	5405.7	6127.9	6833.7	7116.5	7449.5	7520.8	7226.3	6579.0
50°	4581.9	4628.6	4836.6	5368.3	6212.0	7061.6	7407.5	7753.4	7777.9	7465.9	6777.6
52.5°	4434.7	4475.6	4731.5	5298.2	6319.5	7249.7	7600.3	8045.5	7999.9	7786.1	7000.8
55°	4236.0	4272.2	4567.9	5186.0	6332.4	7351.4	7739.3	8316.6	8334.1	8052.5	7217.0
57.5°	4008.1	4068.9	4337.7	4978.0	6214.4	7381.8	7978.9	8683.5	8751.3	8382.0	7389.9
60°	3761.6	3809.5	4114.5	4757.2	6057.8	7496.3	8307.3	9159.1	9212.9	8669.5	7460.1
62.5°	3509.2	3548.9	3801.3	4425.3	5770.3	7518.5	8593.6	9637.1	9619.5	8925.4	7557.0
65°	3194.8	3198.3	3436.7	4024.5	5370.7	7359.6	8740.8	9831.1	9848.6	9158.0	7446.0
67.5°	2795.2	2817.4	2998.5	3557.1	4826.1	6959.9	8647.3	9998.2	10067.1	9301.7	7304.6
70°	2226.1	2239.0	2428.3	2948.3	4102.8	6341.7	8469.7	10023.9	10008.7	9115.9	6915.5
72.5°	1583.4	1632.5	1759.8	2073.0	3148.1	5190.7	7666.9	9230.4	9160.3	8398.4	6168.8
75°	1017.8	1022.5	1149.9	1354.4	1842.8	3679.8	6390.8	7956.7	7985.9	7284.8	5022.4
77.5°	336.5	379.8	421.8	571.4	764.2	1532.0	4314.3	6271.6	6360.4	5738.8	3427.4
80°	148.4	148.4	251.2	323.7	412.5	656.7	1721.3	2838.4	3110.7	2676.0	1320.5
82.5°	108.7	111.0	168.3	192.8	162.4	273.4	618.2	909.1	964.1	865.9	524.7
85°	61.9	64.3	72.5	83.0	68.9	111.0	136.7	140.2	141.4	122.7	95.8
87.5°	28.0	28.0	25.7	22.2	12.9	8.2	8.2	5.8	7.0	5.8	4.7
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°	2659.6	2659.6	2659.6	2659.6	2659.6	2659.6	2659.6	2659.6	2659.6	2659.6	2659.6
2.5°	2645.6	2657.3	2683.0	2687.7	2699.4	2716.9	2739.1	2749.6	2784.7	2801.0	2805.7
5°	2708.7	2714.6	2759.0	2774.1	2826.7	2853.6	2877.0	2893.3	2936.6	2947.1	2965.8
7.5°	2756.6	2776.5	2830.2	2864.1	2896.8	2924.9	2922.6	2961.1	2983.3	3000.8	3007.9
10°	2805.7	2816.2	2871.1	2886.3	2910.9	2931.9	2937.7	2948.3	2954.1	2978.6	2986.8
12.5°	2881.7	2874.6	2881.7	2894.5	2914.4	2909.7	2922.6	2907.4	2915.5	2947.1	2935.4
15°	2937.7	2921.4	2891.0	2892.2	2879.3	2873.5	2854.8	2841.9	2840.8	2847.8	2859.5
17.5°	3000.8	2952.9	2896.8	2881.7	2833.7	2787.0	2754.3	2719.2	2713.4	2720.4	2712.2
20°	3055.8	2991.5	2894.5	2846.6	2753.1	2669.0	2621.1	2568.5	2566.1	2561.5	2552.1
22.5°	3122.4	3041.7	2893.3	2796.4	2685.3	2549.8	2450.5	2410.7	2362.8	2381.5	2379.2
25°	3221.7	3121.2	2903.9	2742.6	2562.6	2401.4	2274.0	2186.4	2138.5	2127.9	2132.6
27.5°	3344.4	3211.2	2909.7	2674.8	2450.5	2220.3	2018.1	1886.0	1856.8	1818.3	1821.8
30°	3523.2	3333.9	2937.7	2600.0	2285.7	1988.9	1748.2	1576.4	1527.3	1535.5	1537.8
32.5°	3945.0	3586.3	2957.6	2513.6	2104.6	1733.0	1418.6	1246.8	1208.3	1222.3	1230.5
35°	4498.9	4070.1	3066.3	2402.5	1898.9	1433.8	1087.9	990.9	999.1	1026.0	1033.0
37.5°	5048.2	4583.1	3305.8	2305.6	1636.0	1097.3	868.2	811.0	858.9	884.6	892.8
40°	5385.9	4924.3	3569.9	2156.0	1301.8	806.3	661.4	628.7	683.6	743.2	772.4
42.5°	5727.1	5203.6	3741.7	1973.7	931.3	586.6	492.0	518.8	608.8	668.4	682.4
45°	5944.4	5347.3	3758.1	1683.9	620.5	454.6	448.7	506.0	598.3	646.2	654.4
47.5°	6155.9	5540.1	3689.1	1348.5	467.4	432.4	445.2	511.8	603.0	656.7	655.6
50°	6366.3	5729.4	3539.6	1070.4	441.7	418.3	452.2	523.5	611.2	652.1	652.1
52.5°	6494.8	5822.9	3239.2	851.9	425.4	410.2	455.7	528.2	603.0	626.3	622.8
55°	6649.1	5845.1	3037.1	709.3	407.8	404.3	462.7	541.0	601.8	604.1	596.0
57.5°	6729.7	5790.2	2872.3	603.0	392.6	406.7	470.9	544.5	635.7	663.7	668.4
60°	6694.7	5723.6	2685.3	536.4	378.6	403.2	468.6	571.4	740.9	799.3	788.8
62.5°	6660.8	5598.5	2371.0	481.4	363.4	405.5	466.3	633.4	870.6	809.8	777.1
65°	6538.1	5339.1	1962.0	428.9	344.7	406.7	461.6	700.0	891.6	818.0	761.9
67.5°	6201.5	4906.8	1551.8	372.8	322.5	390.3	451.1	657.9	714.0	642.7	612.3
70°	5700.2	4280.4	1064.6	322.5	295.6	370.4	444.1	622.8	670.8	620.5	581.9
72.5°	4891.6	3363.1	590.1	269.9	259.4	345.9	442.9	614.7	675.4	531.7	489.6
75°	3719.5	2230.8	383.3	211.5	212.7	308.5	421.8	586.6	654.4	500.1	442.9
77.5°	2191.0	939.5	267.6	150.7	165.9	239.6	375.1	562.1	619.3	489.6	442.9
80°	744.4	413.7	174.1	101.7	101.7	153.1	267.6	459.2	551.6	476.8	472.1
82.5°	386.8	262.9	111.0	63.1	58.4	73.6	164.8	315.5	442.9	404.3	460.4
85°	77.1	54.9	35.1	25.7	28.0	37.4	58.4	160.1	280.5	312.0	373.9
87.5°	5.8	4.7	7.0	7.0	7.0	7.0	8.2	39.7	112.2	137.9	170.6
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)