

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: P509599

Luminaire Tested: **VERD-G-CA2-130-730-U-T3**

Issue Date: 4/6/2021

Test Information

Test Method: LM-79-08
Report Number: P509599
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-CA2-130-730-U-T3
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 3000K, 1200mA LEDS AND TYPE III OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18375 lumens
Efficiency: N/A
Efficacy: 137.2 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

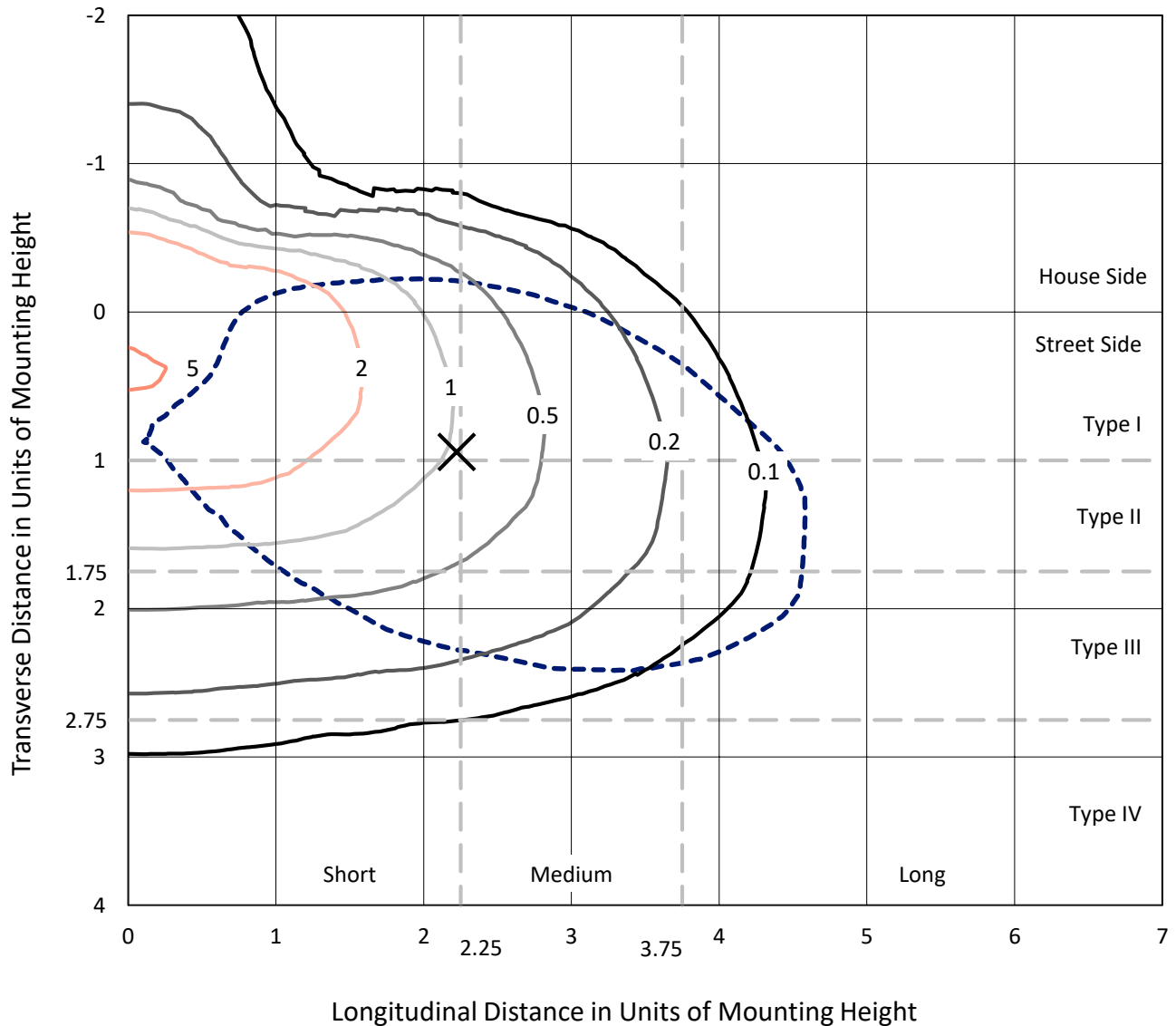
Input Watts (W): 133.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

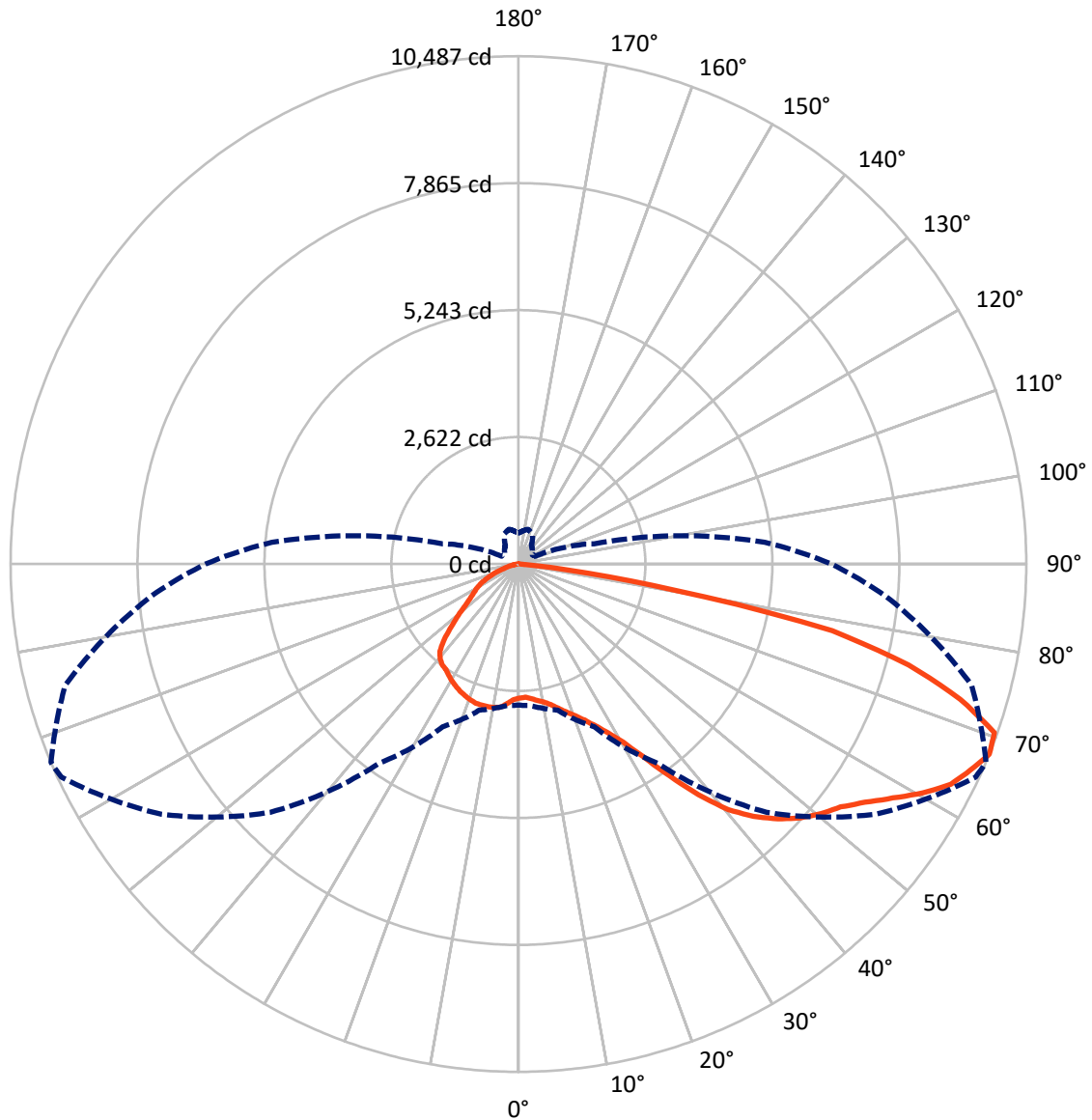
✕ Max cd
 - - - 1/2 Max cd



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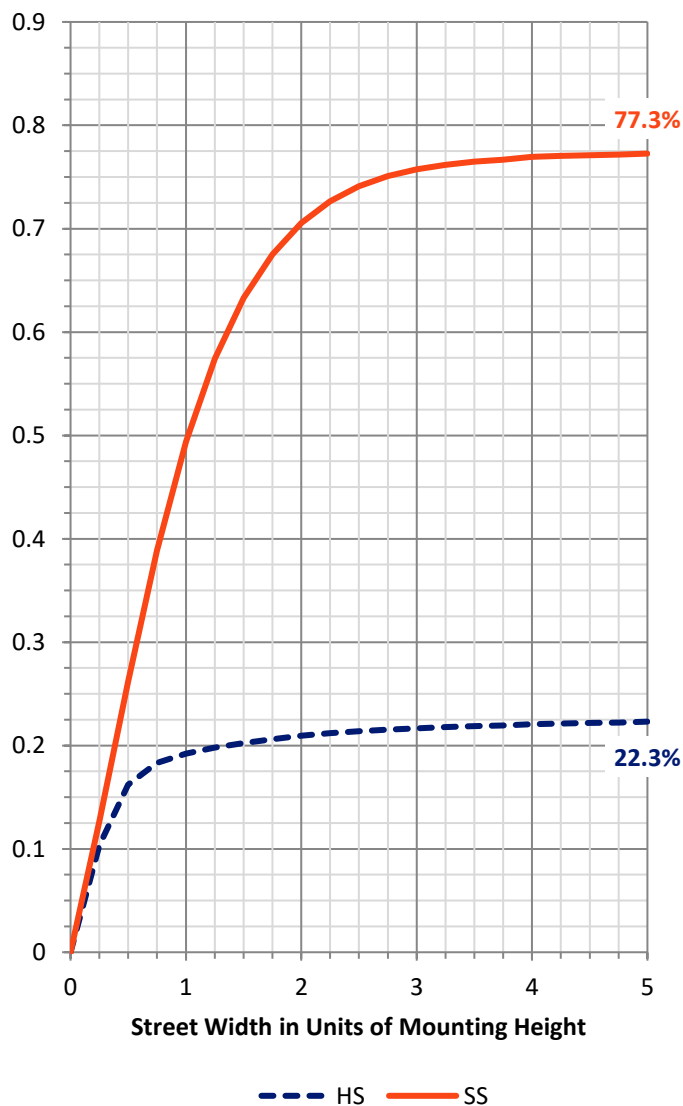
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4169.4	0.0	4169.4
	% Fixture	22.7	0.0	22.7
Street Side	Lumens	14205.6	0.0	14205.6
	% Fixture	77.3	0.0	77.3
Total	Lumens	18375.0	0.0	18375.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	280.6	1.5
10°-20°	888.2	4.8
20°-30°	1523.3	8.3
30°-40°	2267.0	12.3
40°-50°	3099.5	16.9
50°-60°	3723.0	20.3
60°-70°	3949.6	21.5
70°-80°	2412.8	13.1
80°-90°	231.1	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°	18375.0	100.0
0°-180°	18375.0	100.0

Coefficient of Utilization



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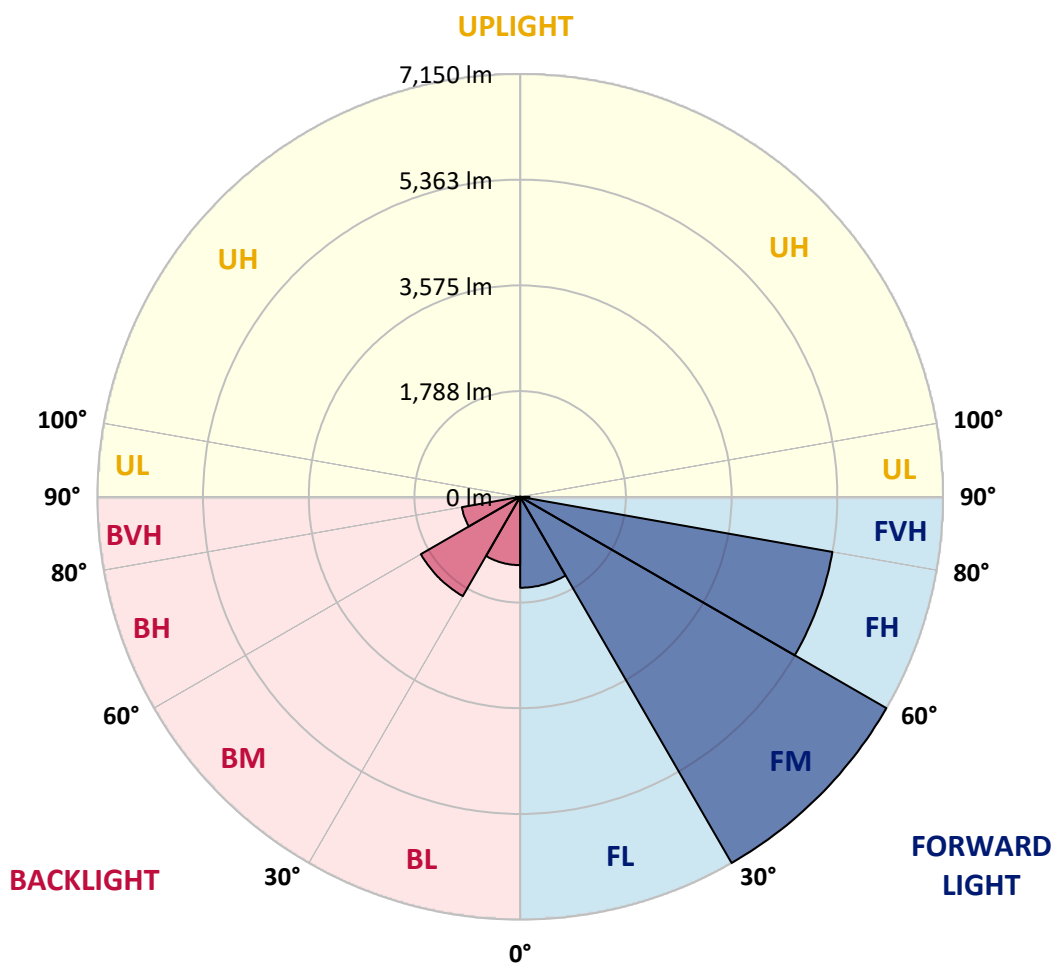
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1536.9	8.4			
FM (30°-60°)	7150.1	38.9			
FH (60°-80°)	5361.3	29.2			G3/7500
FVH (80°-90°)	157.3	0.9			G2/225
BL (0°-30°)	1155.1	6.3	B3/2500		
BM (30°-60°)	1939.4	10.6	B2/2500		
BH (60°-80°)	1001.1	5.4	B3/2500		G3/2500
BVH (80°-90°)	73.7	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°	2770.4	2770.4	2770.4	2770.4	2770.4	2770.4	2770.4	2770.4	2770.4	2770.4	2770.4
2.5°	2814.3	2827.7	2805.7	2791.1	2775.3	2783.8	2763.1	2763.1	2753.4	2769.2	2759.5
5°	2905.6	2917.7	2880.0	2849.6	2847.1	2821.6	2819.1	2807.0	2792.4	2805.7	2819.1
7.5°	3027.3	3022.4	2995.6	2960.3	2925.0	2910.4	2886.1	2867.8	2845.9	2858.1	2861.7
10°	3175.8	3167.3	3132.0	3076.0	3048.0	3007.8	2946.9	2912.9	2897.0	2909.2	2912.9
12.5°	3334.0	3323.1	3289.0	3226.9	3178.2	3114.9	3045.5	2990.8	2979.8	2967.6	2988.3
15°	3511.8	3492.3	3463.1	3413.2	3337.7	3254.9	3160.0	3107.6	3091.8	3071.1	3061.4
17.5°	3704.1	3701.6	3663.9	3609.1	3532.4	3418.0	3296.3	3214.7	3214.7	3206.2	3153.9
20°	3911.0	3901.3	3863.5	3833.1	3724.8	3604.3	3455.8	3352.3	3341.3	3324.3	3237.9
22.5°	4119.2	4120.4	4071.7	4048.6	3968.2	3813.6	3626.2	3522.7	3500.8	3477.7	3327.9
25°	4307.8	4310.3	4295.7	4253.1	4187.3	4044.9	3848.9	3711.4	3699.2	3667.6	3486.2
27.5°	4498.9	4529.4	4486.8	4491.6	4462.4	4299.3	4103.3	3936.6	3948.7	3879.4	3631.0
30°	4725.3	4736.3	4715.6	4721.7	4703.4	4596.3	4406.4	4271.3	4271.3	4192.2	3876.9
32.5°	4906.7	4897.0	4898.2	4961.5	4970.0	4911.6	4755.8	4712.0	4749.7	4740.0	4456.3
35°	4996.8	5013.8	5061.3	5206.2	5276.8	5241.5	5223.2	5281.6	5376.6	5437.4	5089.3
37.5°	5112.4	5164.8	5224.4	5386.3	5516.6	5613.9	5713.7	5906.1	6042.4	6121.5	5690.6
40°	5231.7	5236.6	5355.9	5556.7	5811.1	5965.7	6203.1	6534.2	6668.1	6608.4	6024.1
42.5°	5139.2	5151.4	5316.9	5674.8	5993.7	6389.3	6646.2	7028.4	7120.9	6939.5	6368.6
45°	5019.9	5043.0	5252.4	5674.8	6194.6	6777.6	7071.0	7497.0	7508.0	7263.3	6576.8
47.5°	4914.0	4933.5	5153.8	5631.0	6383.2	7118.4	7413.0	7759.9	7834.2	7527.4	6853.1
50°	4772.8	4821.5	5038.2	5592.0	6470.9	7355.8	7716.1	8076.4	8102.0	7777.0	7060.0
52.5°	4619.4	4662.0	4928.6	5519.0	6582.9	7551.8	7917.0	8380.7	8333.3	8110.5	7292.5
55°	4412.5	4450.2	4758.2	5402.1	6596.2	7657.7	8061.8	8663.1	8681.4	8388.0	7517.7
57.5°	4175.1	4238.4	4518.4	5185.5	6473.3	7689.3	8311.3	9045.3	9115.9	8731.3	7697.9
60°	3918.3	3968.2	4285.9	4955.4	6310.2	7808.6	8653.4	9540.8	9596.8	9030.7	7770.9
62.5°	3655.4	3696.8	3959.7	4609.7	6010.8	7831.8	8951.6	10038.6	10020.4	9297.3	7871.9
65°	3327.9	3331.6	3579.9	4192.2	5594.5	7666.2	9105.0	10240.7	10258.9	9539.5	7756.3
67.5°	2911.6	2934.8	3123.5	3705.3	5027.2	7249.9	9007.6	10414.7	10486.6	9689.3	7609.0
70°	2318.9	2332.2	2529.4	3071.1	4273.7	6606.0	8822.6	10441.5	10425.7	9495.7	7203.7
72.5°	1649.4	1700.5	1833.2	2159.4	3279.3	5407.0	7986.3	9615.0	9542.0	8748.3	6425.8
75°	1060.2	1065.1	1197.8	1410.8	1919.6	3833.1	6657.1	8288.2	8318.7	7588.3	5231.7
77.5°	350.6	395.6	439.4	595.2	796.1	1595.8	4494.1	6533.0	6625.5	5977.9	3570.2
80°	154.6	154.6	261.7	337.2	429.7	684.1	1793.0	2956.7	3240.3	2787.5	1375.5
82.5°	113.2	115.6	175.3	200.8	169.2	284.8	643.9	947.0	1004.2	902.0	546.5
85°	64.5	66.9	75.5	86.4	71.8	115.6	142.4	146.1	147.3	127.8	99.8
87.5°	29.2	29.2	26.8	23.1	13.4	8.5	8.5	6.1	7.3	6.1	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°	2770.4	2770.4	2770.4	2770.4	2770.4	2770.4	2770.4	2770.4	2770.4	2770.4	2770.4
2.5°	2755.8	2768.0	2794.8	2799.7	2811.8	2830.1	2853.2	2864.2	2900.7	2917.7	2922.6
5°	2821.6	2827.7	2873.9	2889.7	2944.5	2972.5	2996.9	3013.9	3058.9	3069.9	3089.4
7.5°	2871.5	2892.2	2948.2	2983.5	3017.5	3046.8	3044.3	3084.5	3107.6	3125.9	3133.2
10°	2922.6	2933.6	2990.8	3006.6	3032.2	3054.1	3060.2	3071.1	3077.2	3102.8	3111.3
12.5°	3001.7	2994.4	3001.7	3015.1	3035.8	3030.9	3044.3	3028.5	3037.0	3069.9	3057.7
15°	3060.2	3043.1	3011.5	3012.7	2999.3	2993.2	2973.7	2960.3	2959.1	2966.4	2978.6
17.5°	3125.9	3076.0	3017.5	3001.7	2951.8	2903.1	2869.0	2832.5	2826.4	2833.7	2825.2
20°	3183.1	3116.1	3015.1	2965.2	2867.8	2780.2	2730.3	2675.5	2673.1	2668.2	2658.5
22.5°	3252.5	3168.5	3013.9	2912.9	2797.2	2656.0	2552.6	2511.2	2461.3	2480.7	2478.3
25°	3355.9	3251.3	3024.9	2856.9	2669.4	2501.4	2368.8	2277.5	2227.6	2216.6	2221.5
27.5°	3483.8	3345.0	3030.9	2786.3	2552.6	2312.8	2102.2	1964.6	1934.2	1894.0	1897.7
30°	3670.0	3472.8	3060.2	2708.4	2380.9	2071.8	1821.0	1642.1	1590.9	1599.5	1601.9
32.5°	4109.4	3735.7	3080.8	2618.3	2192.3	1805.2	1477.7	1298.8	1258.6	1273.2	1281.8
35°	4686.4	4239.7	3194.1	2502.7	1978.0	1493.6	1133.3	1032.2	1040.7	1068.7	1076.0
37.5°	5258.5	4774.0	3443.6	2401.6	1704.1	1143.0	904.4	844.8	894.7	921.5	930.0
40°	5610.3	5129.5	3718.7	2245.8	1356.0	839.9	689.0	654.9	712.1	774.2	804.6
42.5°	5965.7	5420.4	3897.6	2055.9	970.1	611.1	512.5	540.5	634.2	696.3	710.9
45°	6192.1	5570.1	3914.7	1754.0	646.4	473.5	467.4	527.1	623.2	673.1	681.7
47.5°	6412.4	5771.0	3842.8	1404.7	486.9	450.4	463.8	533.2	628.1	684.1	682.9
50°	6631.5	5968.2	3687.0	1115.0	460.1	435.8	471.1	545.3	636.6	679.2	679.2
52.5°	6765.4	6065.5	3374.2	887.4	443.1	427.3	474.7	550.2	628.1	652.4	648.8
55°	6926.1	6088.7	3163.6	738.9	424.8	421.2	482.0	563.6	626.9	629.3	620.8
57.5°	7010.1	6031.4	2992.0	628.1	409.0	423.6	490.5	567.2	662.2	691.4	696.3
60°	6973.6	5962.1	2797.2	558.7	394.4	419.9	488.1	595.2	771.7	832.6	821.6
62.5°	6938.3	5831.8	2469.8	501.5	378.6	422.4	485.7	659.7	906.8	843.6	809.5
65°	6810.5	5561.6	2043.8	446.7	359.1	423.6	480.8	729.1	928.8	852.1	793.6
67.5°	6459.9	5111.2	1616.5	388.3	336.0	406.6	469.9	685.3	743.7	669.5	637.8
70°	5937.7	4458.8	1108.9	336.0	308.0	385.9	462.6	648.8	698.7	646.4	606.2
72.5°	5095.4	3503.2	614.7	281.2	270.2	360.3	461.3	640.3	703.6	553.8	510.0
75°	3874.5	2323.7	399.3	220.3	221.5	321.4	439.4	611.1	681.7	521.0	461.3
77.5°	2282.3	978.7	278.7	157.0	172.8	249.5	390.7	585.5	645.1	510.0	461.3
80°	775.4	430.9	181.4	105.9	105.9	159.5	278.7	478.4	574.5	496.6	491.8
82.5°	402.9	273.9	115.6	65.7	60.9	76.7	171.6	328.7	461.3	421.2	479.6
85°	80.3	57.2	36.5	26.8	29.2	39.0	60.9	166.8	292.1	325.0	389.5
87.5°	6.1	4.9	7.3	7.3	7.3	7.3	8.5	41.4	116.9	143.6	177.7
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)