

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: P553547

Luminaire Tested: **VERD-G-CA2-150-722-U-T3**

Issue Date: 7/12/2021

Test Information

Test Method: LM-79-08
Report Number: P553547
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-CA2-150-722-U-T3
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 2200K, 1380mA LEDS AND TYPE III OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17609 lumens
Efficiency: N/A
Efficacy: 115.7 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

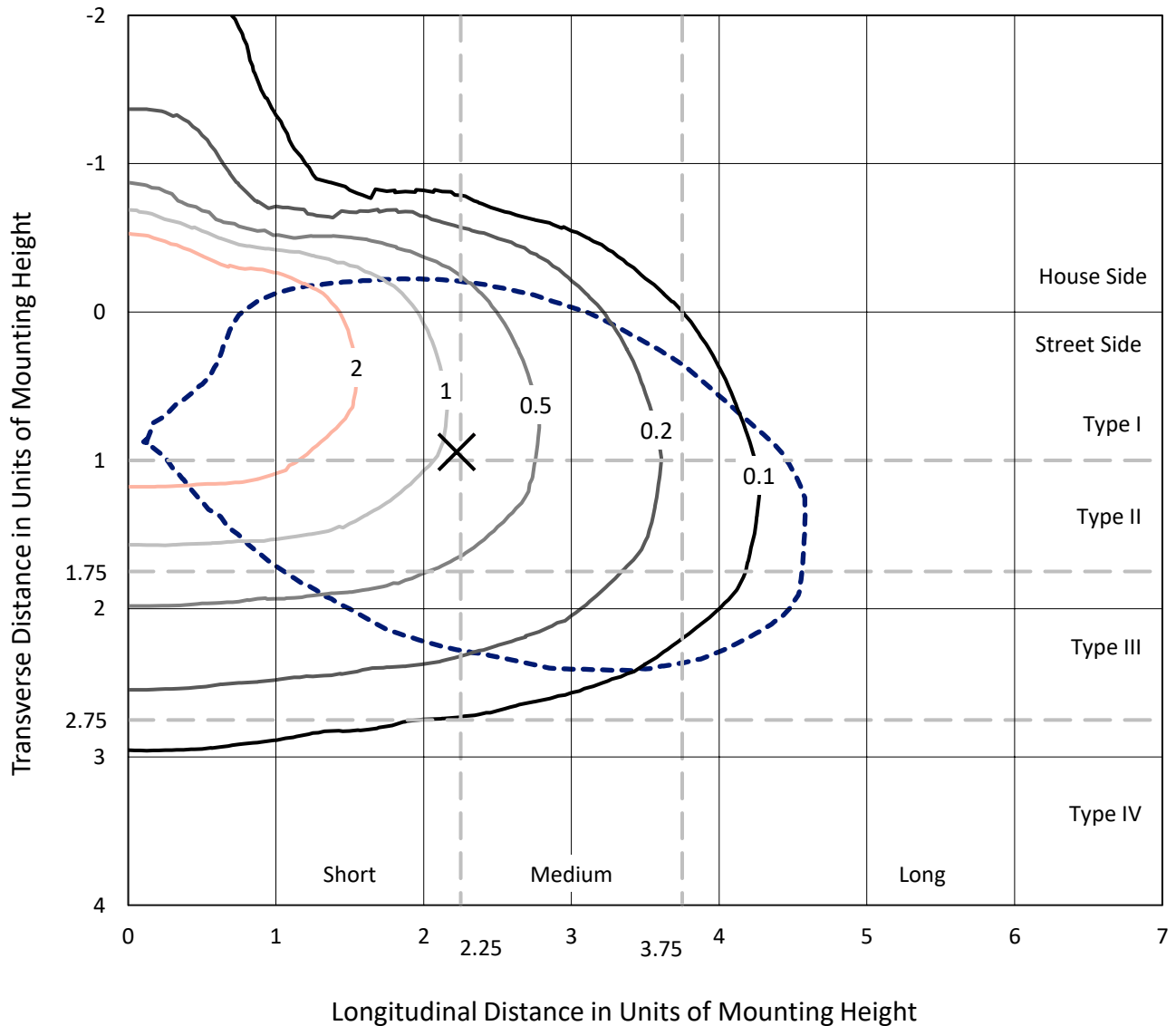
Input Watts (W): 152.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P553547
 CATALOG NUMBER: VERD-G-CA2-150-722-U-T3

Iso-Footcandle Lines of Horizontal Illumination

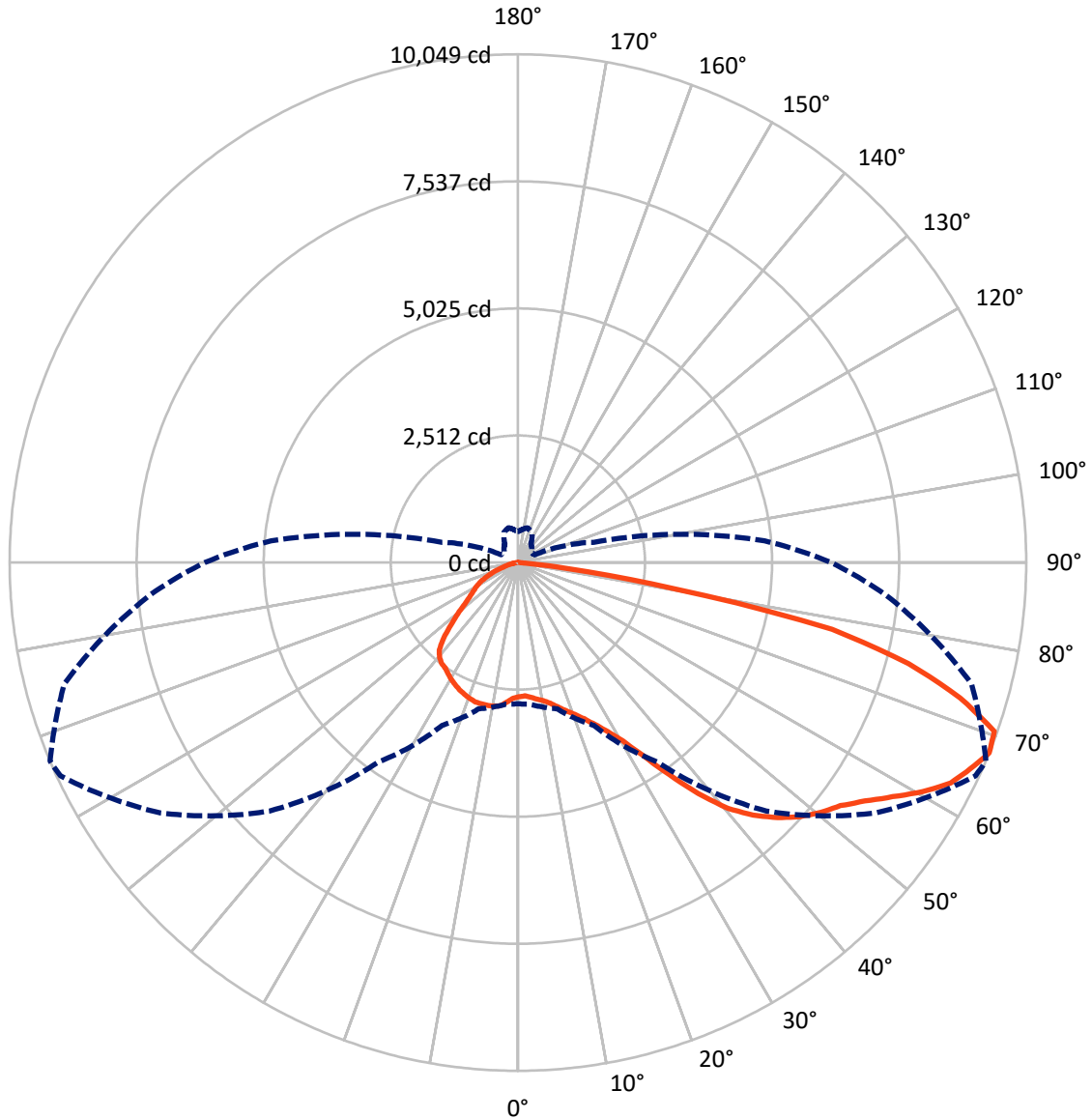
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5 fc
 Type III - Short - N/A

REPORT NUMBER: P553547
CATALOG NUMBER: VERD-G-CA2-150-722-U-T3

Luminous Intensity Polar Plot



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

REPORT NUMBER: P553547

CATALOG NUMBER: VERD-G-CA2-150-722-U-T3

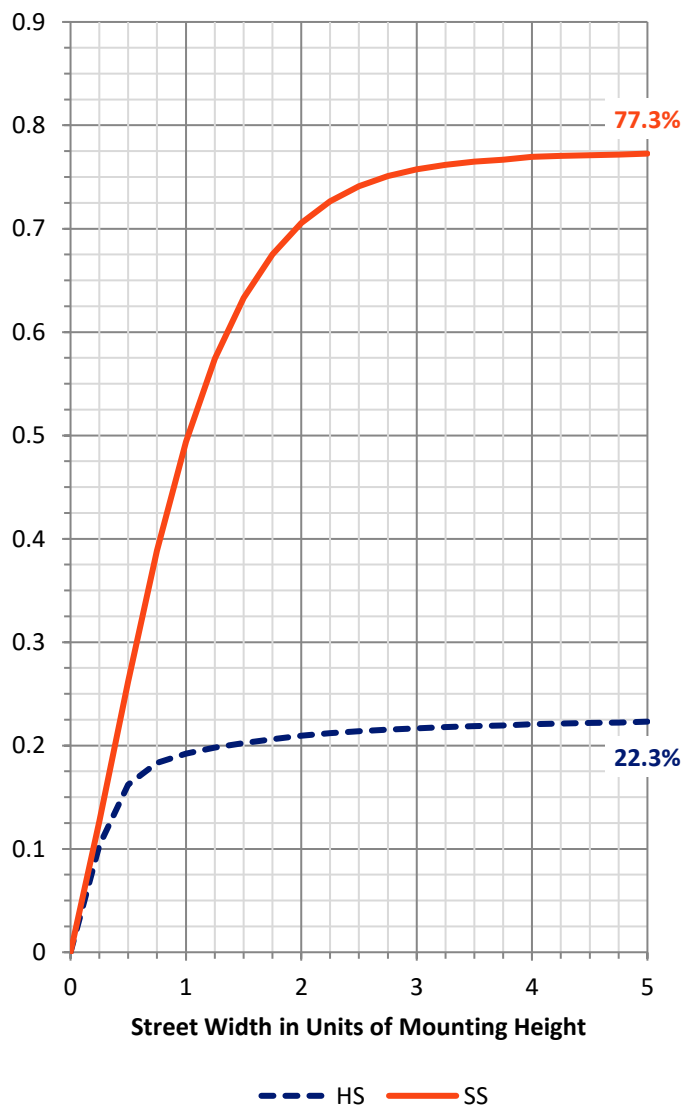
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3995.5	0.0	3995.5
	% Fixture	22.7	0.0	22.7
Street Side	Lumens	13613.5	0.0	13613.5
	% Fixture	77.3	0.0	77.3
Total	Lumens	17609.0	0.0	17609.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	268.9	1.5
10°-20°	851.1	4.8
20°-30°	1459.8	8.3
30°-40°	2172.5	12.3
40°-50°	2970.3	16.9
50°-60°	3567.8	20.3
60°-70°	3785.0	21.5
70°-80°	2312.2	13.1
80°-90°	221.4	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°	17609.0	100.0
0°-180°	17609.0	100.0

Coefficient of Utilization



REPORT NUMBER: P553547

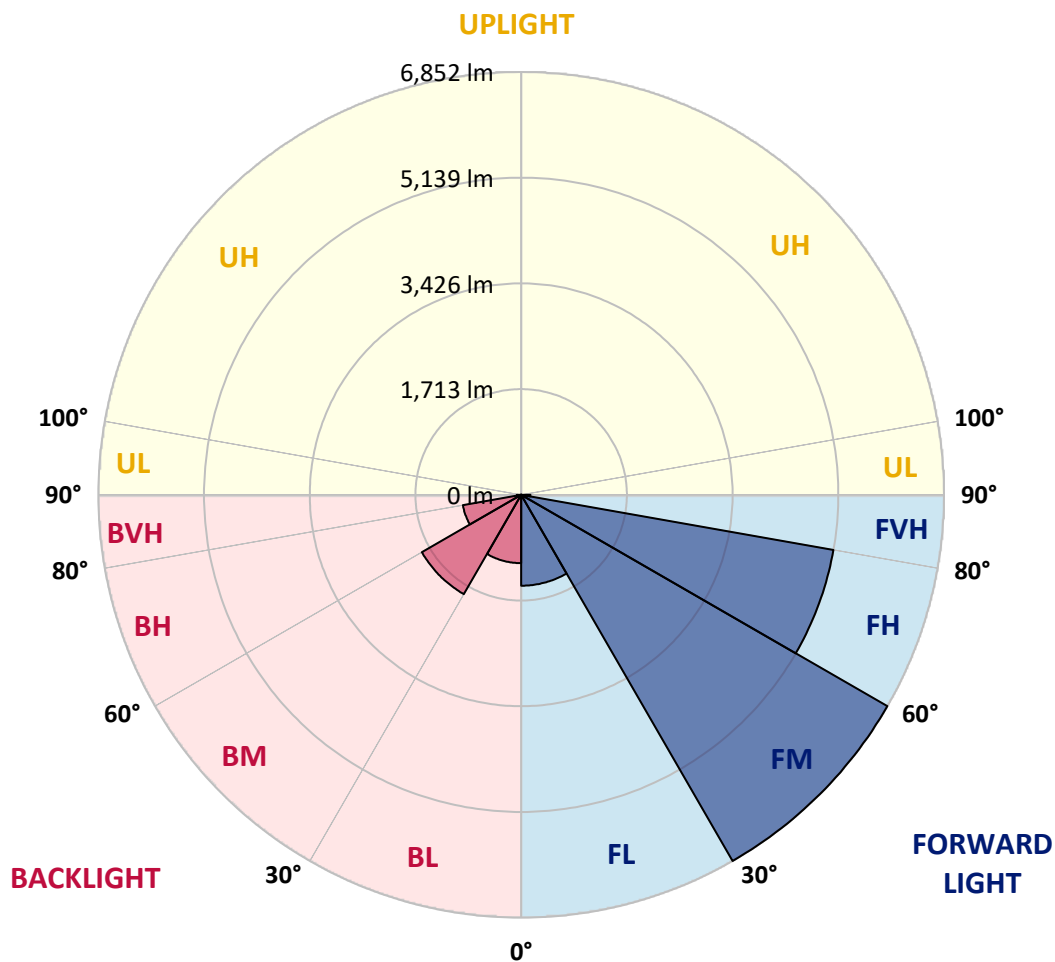
CATALOG NUMBER: VERD-G-CA2-150-722-U-T3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1472.8	8.4			
FM (30°-60°)	6852.0	38.9			
FH (60°-80°)	5137.8	29.2			G3/7500
FVH (80°-90°)	150.8	0.9			G2/225
BL (0°-30°)	1107.0	6.3	B3/2500		
BM (30°-60°)	1858.6	10.6	B2/2500		
BH (60°-80°)	959.3	5.4	B2/1000		G2/1000
BVH (80°-90°)	70.6	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





REPORT NUMBER: P553547

CATALOG NUMBER: VERD-G-CA2-150-722-U-T3

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	2655.0	2655.0	2655.0	2655.0	2655.0	2655.0	2655.0	2655.0	2655.0	2655.0	2655.0
2.5°	2697.0	2709.8	2688.8	2674.8	2659.6	2667.8	2648.0	2648.0	2638.6	2653.8	2644.5
5°	2784.4	2796.1	2759.9	2730.8	2728.4	2704.0	2701.6	2690.0	2676.0	2688.8	2701.6
7.5°	2901.1	2896.4	2870.8	2836.9	2803.1	2789.1	2765.8	2748.3	2727.3	2738.9	2742.4
10°	3043.4	3035.2	3001.4	2947.7	2920.9	2882.4	2824.1	2791.4	2776.3	2787.9	2791.4
12.5°	3195.0	3184.5	3151.9	3092.4	3045.7	2985.1	2918.6	2866.1	2855.6	2843.9	2863.8
15°	3365.4	3346.7	3318.7	3270.9	3198.5	3119.2	3028.2	2978.1	2962.9	2943.1	2933.8
17.5°	3549.7	3547.3	3511.2	3458.7	3385.2	3275.5	3158.9	3080.7	3080.7	3072.6	3022.4
20°	3748.0	3738.6	3702.5	3673.3	3569.5	3454.0	3311.7	3212.5	3202.0	3185.7	3102.9
22.5°	3947.4	3948.6	3901.9	3879.8	3802.8	3654.6	3475.0	3375.9	3354.9	3332.7	3189.2
25°	4128.2	4130.6	4116.6	4075.8	4012.8	3876.3	3688.5	3556.7	3545.0	3514.7	3340.9
27.5°	4311.4	4340.6	4299.7	4304.4	4276.4	4120.1	3932.3	3772.5	3784.1	3717.6	3479.7
30°	4528.4	4538.9	4519.0	4524.9	4507.4	4404.7	4222.7	4093.3	4093.3	4017.4	3715.3
32.5°	4702.2	4692.8	4694.0	4754.7	4762.8	4706.8	4557.5	4515.5	4551.7	4542.4	4270.6
35°	4788.5	4804.8	4850.3	4989.1	5056.8	5023.0	5005.5	5061.4	5152.4	5210.8	4877.1
37.5°	4899.3	4949.5	5006.6	5161.8	5286.6	5379.9	5475.6	5659.9	5790.5	5866.3	5453.4
40°	5013.6	5018.3	5132.6	5325.1	5568.9	5717.0	5944.5	6261.8	6390.1	6332.9	5773.0
42.5°	4925.0	4936.6	5095.3	5438.2	5743.9	6123.0	6369.1	6735.4	6824.0	6650.2	6103.1
45°	4810.7	4832.8	5033.5	5438.2	5936.3	6495.1	6776.2	7184.5	7195.0	6960.5	6302.6
47.5°	4709.2	4727.8	4939.0	5396.2	6117.1	6821.7	7104.0	7436.4	7507.6	7213.6	6567.4
50°	4573.9	4620.5	4828.1	5358.9	6201.1	7049.2	7394.5	7739.7	7764.2	7452.8	6765.7
52.5°	4426.9	4467.7	4723.2	5288.9	6308.4	7237.0	7586.9	8031.4	7985.9	7772.4	6988.5
55°	4228.6	4264.7	4559.9	5176.9	6321.3	7338.5	7725.7	8302.0	8319.5	8038.4	7204.3
57.5°	4001.1	4061.8	4330.1	4969.3	6203.5	7368.8	7964.9	8668.3	8735.9	8367.3	7377.0
60°	3755.0	3802.8	4107.3	4748.8	6047.1	7483.1	8292.7	9143.0	9196.7	8654.3	7446.9
62.5°	3503.0	3542.7	3794.6	4417.5	5760.2	7505.3	8578.5	9620.1	9602.6	8909.7	7543.8
65°	3189.2	3192.7	3430.7	4017.4	5361.2	7346.6	8725.4	9813.8	9831.3	9141.9	7432.9
67.5°	2790.3	2812.4	2993.2	3550.8	4817.7	6947.7	8632.1	9980.6	10049.4	9285.4	7291.8
70°	2222.2	2235.0	2424.0	2943.1	4095.6	6330.6	8454.8	10006.2	9991.1	9099.9	6903.4
72.5°	1580.6	1629.6	1756.8	2069.4	3142.6	5181.6	7653.4	9214.2	9144.2	8383.6	6158.0
75°	1016.0	1020.7	1147.8	1352.0	1839.6	3673.3	6379.6	7942.7	7971.9	7272.0	5013.6
77.5°	336.0	379.1	421.1	570.4	762.9	1529.3	4306.7	6260.6	6349.3	5728.7	3421.3
80°	148.1	148.1	250.8	323.1	411.8	655.6	1718.3	2833.4	3105.2	2671.3	1318.1
82.5°	108.5	110.8	168.0	192.5	162.1	273.0	617.1	907.5	962.4	864.4	523.8
85°	61.8	64.2	72.3	82.8	68.8	110.8	136.5	140.0	141.1	122.5	95.7
87.5°	28.0	28.0	25.7	22.2	12.8	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



REPORT NUMBER: P553547
 CATALOG NUMBER: VERD-G-CA2-150-722-U-T3

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2655.0	2655.0	2655.0	2655.0	2655.0	2655.0	2655.0	2655.0	2655.0	2655.0	2655.0
2.5°	2641.0	2652.6	2678.3	2683.0	2694.6	2712.1	2734.3	2744.8	2779.8	2796.1	2800.8
5°	2704.0	2709.8	2754.1	2769.3	2821.8	2848.6	2871.9	2888.3	2931.4	2941.9	2960.6
7.5°	2751.8	2771.6	2825.3	2859.1	2891.8	2919.8	2917.4	2955.9	2978.1	2995.6	3002.6
10°	2800.8	2811.3	2866.1	2881.3	2905.8	2926.8	2932.6	2943.1	2948.9	2973.4	2981.6
12.5°	2876.6	2869.6	2876.6	2889.4	2909.3	2904.6	2917.4	2902.3	2910.4	2941.9	2930.3
15°	2932.6	2916.3	2885.9	2887.1	2874.3	2868.4	2849.8	2836.9	2835.8	2842.8	2854.4
17.5°	2995.6	2947.7	2891.8	2876.6	2828.8	2782.1	2749.4	2714.4	2708.6	2715.6	2707.4
20°	3050.4	2986.2	2889.4	2841.6	2748.3	2664.3	2616.5	2564.0	2561.6	2557.0	2547.6
22.5°	3116.9	3036.4	2888.3	2791.4	2680.6	2545.3	2446.2	2406.5	2358.7	2377.3	2375.0
25°	3216.0	3115.7	2898.8	2737.8	2558.1	2397.2	2270.0	2182.5	2134.7	2124.2	2128.9
27.5°	3338.5	3205.5	2904.6	2670.1	2446.2	2216.4	2014.5	1882.7	1853.6	1815.1	1818.6
30°	3517.0	3328.0	2932.6	2595.5	2281.7	1985.4	1745.1	1573.6	1524.6	1532.8	1535.1
32.5°	3938.1	3580.0	2952.4	2509.1	2100.9	1729.9	1416.1	1244.7	1206.2	1220.2	1228.3
35°	4491.0	4062.9	3060.9	2398.3	1895.6	1431.3	1086.0	989.2	997.4	1024.2	1031.2
37.5°	5039.3	4575.0	3300.0	2301.5	1633.1	1095.3	866.7	809.6	857.4	883.0	891.2
40°	5376.4	4915.6	3563.7	2152.2	1299.5	804.9	660.2	627.6	682.4	741.9	771.1
42.5°	5717.0	5194.4	3735.1	1970.2	929.7	585.6	491.1	517.9	607.7	667.2	681.2
45°	5934.0	5337.9	3751.5	1680.9	619.4	453.8	447.9	505.1	597.2	645.1	653.2
47.5°	6145.1	5530.4	3682.6	1346.1	466.6	431.6	444.4	510.9	601.9	655.6	654.4
50°	6355.1	5719.4	3533.3	1068.5	440.9	417.6	451.4	522.6	610.1	650.9	650.9
52.5°	6483.4	5812.7	3233.5	850.4	424.6	409.4	454.9	527.3	601.9	625.2	621.7
55°	6637.4	5834.8	3031.7	708.1	407.1	403.6	461.9	540.1	600.7	603.1	594.9
57.5°	6717.9	5780.0	2867.3	601.9	391.9	405.9	470.1	543.6	634.6	662.6	667.2
60°	6682.9	5713.5	2680.6	535.4	377.9	402.4	467.8	570.4	739.6	797.9	787.4
62.5°	6649.1	5588.7	2366.8	480.6	362.8	404.8	465.4	632.2	869.0	808.4	775.7
65°	6526.6	5329.7	1958.6	428.1	344.1	405.9	460.8	698.7	890.0	816.6	760.6
67.5°	6190.6	4898.1	1549.1	372.1	322.0	389.6	450.3	656.7	712.7	641.6	611.2
70°	5690.2	4272.9	1062.7	322.0	295.1	369.8	443.3	621.7	669.6	619.4	580.9
72.5°	4883.0	3357.2	589.1	269.5	259.0	345.3	442.1	613.6	674.2	530.8	488.8
75°	3713.0	2226.9	382.6	211.1	212.3	308.0	421.1	585.6	653.2	499.3	442.1
77.5°	2187.2	937.9	267.1	150.5	165.6	239.1	374.4	561.1	618.2	488.8	442.1
80°	743.1	412.9	173.8	101.5	101.5	152.8	267.1	458.4	550.6	475.9	471.3
82.5°	386.1	262.5	110.8	63.0	58.3	73.5	164.5	315.0	442.1	403.6	459.6
85°	77.0	54.8	35.0	25.7	28.0	37.3	58.3	159.8	280.0	311.5	373.3
87.5°	5.8	4.7	7.0	7.0	7.0	7.0	8.2	39.7	112.0	137.6	170.3
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)