

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: P509622

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

Issue Date: 4/6/2021

Test Information

Test Method: LM-79-08
Report Number: P509622
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-155-5)
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-HSS
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 5700K, 1200mA LEDS AND TYPE III OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17273 lumens
Efficiency: N/A
Efficacy: 129.0 lumens/watt
Luminous Opening: Rectangular (W 0.9' x L: 1.25' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G3

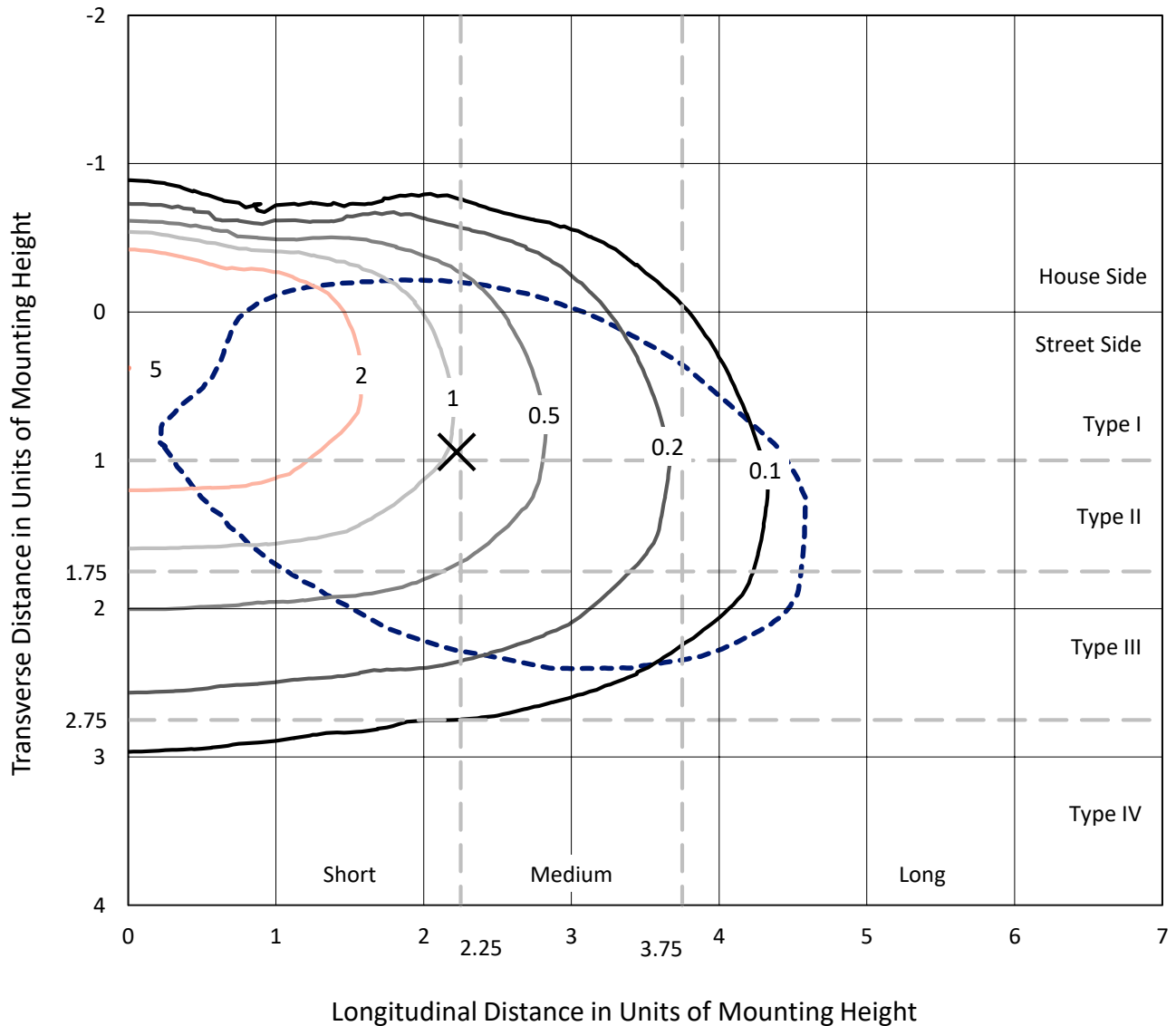
Input Watts (W): 133.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P509622
 CATALOG NUMBER: VERD-G-CA2-130-760-U-T3-HSS

Iso-Footcandle Lines of Horizontal Illumination

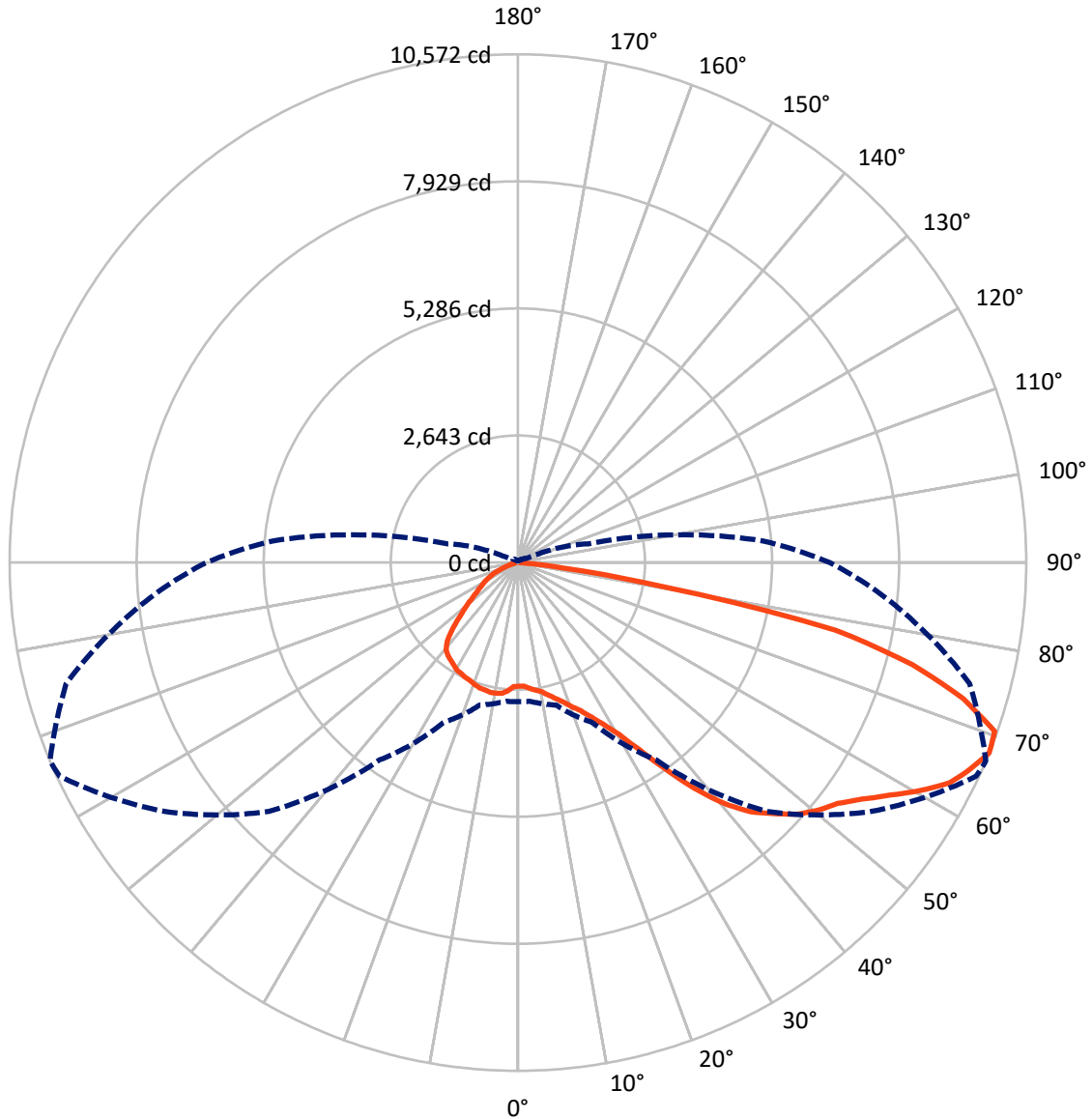
× Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P509622
CATALOG NUMBER: VERD-G-CA2-130-760-U-T3-HSS

Luminous Intensity Polar Plot



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

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 CATALOG NUMBER: VERD-G-CA2-130-760-U-T3-HSS

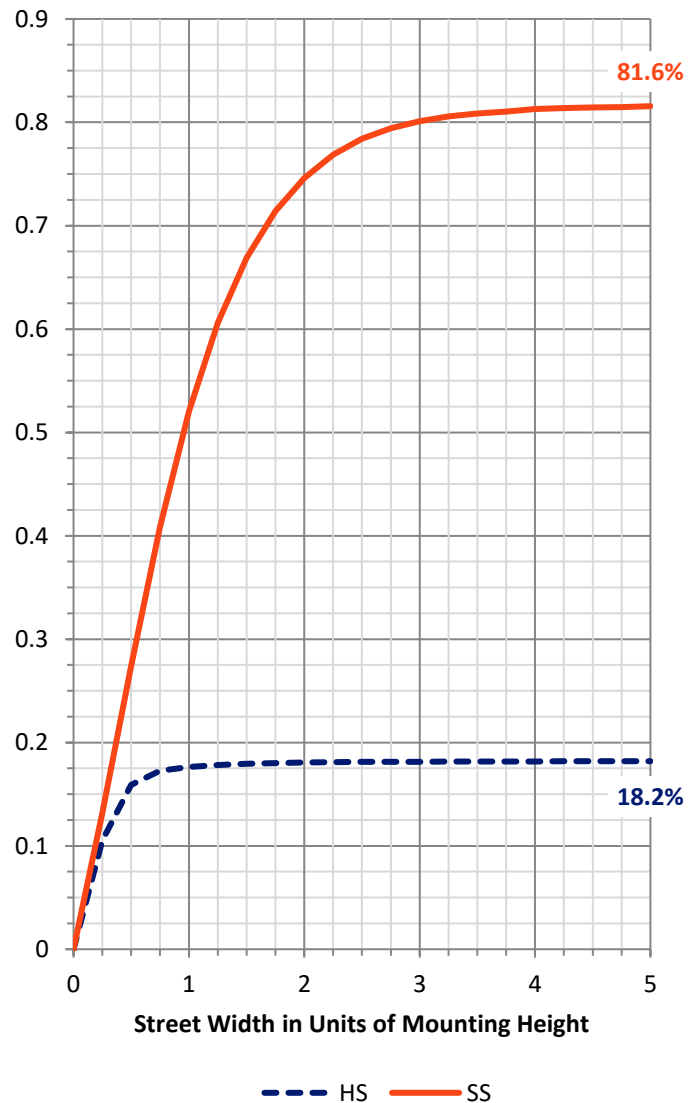
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3179.3	0.0	3179.3
	% Fixture	18.4	0.0	18.4
Street Side	Lumens	14093.7	0.0	14093.7
	% Fixture	81.6	0.0	81.6
Total	Lumens	17273.0	0.0	17273.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	258.6	1.5
10°-20°	808.5	4.7
20°-30°	1378.4	8.0
30°-40°	2102.4	12.2
40°-50°	2963.8	17.2
50°-60°	3582.4	20.7
60°-70°	3773.0	21.8
70°-80°	2244.4	13.0
80°-90°	161.3	0.9
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°	17273.0	100.0
0°-180°	17273.0	100.0



REPORT NUMBER: P509622

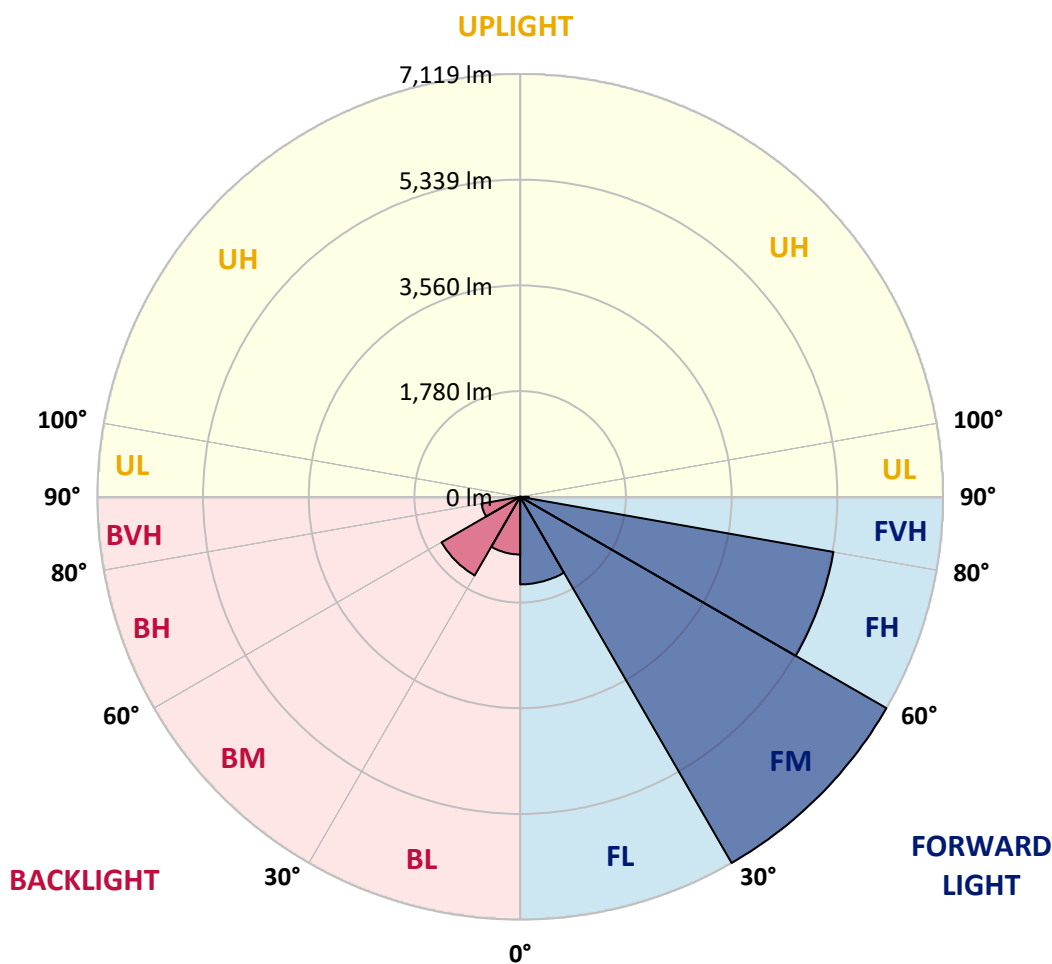
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1474.7	8.5			
FM (30°-60°)	7119.1	41.2			
FH (60°-80°)	5355.5	31.0			G3/7500
FVH (80°-90°)	144.4	0.8			G2/225
BL (0°-30°)	970.9	5.6	B2/1000		
BM (30°-60°)	1529.5	8.9	B2/2500		
BH (60°-80°)	661.9	3.8	B2/1000		G2/1000
BVH (80°-90°)	16.9	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type III Short





REPORT NUMBER: P509622

CATALOG NUMBER: VERD-G-CA2-130-760-U-T3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	2571.4	2571.4	2571.4	2571.4	2571.4	2571.4	2571.4	2571.4	2571.4	2571.4	2571.4
2.5°	2625.8	2635.7	2615.9	2610.9	2585.0	2588.7	2583.8	2571.4	2576.3	2566.5	2572.6
5°	2727.1	2701.1	2693.7	2678.9	2655.4	2641.8	2622.1	2615.9	2629.5	2618.4	2620.8
7.5°	2834.6	2839.5	2806.2	2777.8	2735.7	2725.9	2691.3	2670.3	2683.8	2669.0	2677.7
10°	2969.3	2976.7	2940.9	2902.6	2866.7	2814.8	2771.6	2738.2	2734.5	2727.1	2739.5
12.5°	3146.0	3144.7	3105.2	3058.3	2987.8	2952.0	2869.2	2822.2	2828.4	2801.2	2798.8
15°	3351.1	3333.8	3288.1	3239.9	3152.2	3081.7	2981.6	2923.6	2933.5	2902.6	2895.1
17.5°	3551.3	3534.0	3498.1	3445.0	3364.7	3256.0	3133.6	3049.6	3047.1	3032.3	2987.8
20°	3756.4	3763.8	3715.6	3667.4	3587.1	3441.3	3302.9	3194.2	3196.6	3170.7	3084.2
22.5°	3996.1	3982.5	3924.4	3902.2	3810.8	3651.4	3496.9	3372.1	3347.4	3342.5	3192.9
25°	4224.7	4216.1	4162.9	4137.0	4060.4	3914.6	3714.4	3564.9	3561.2	3545.1	3333.8
27.5°	4406.4	4416.2	4411.3	4392.8	4308.7	4165.4	3989.9	3810.8	3813.2	3789.8	3516.7
30°	4664.6	4635.0	4623.8	4638.7	4631.2	4476.8	4290.2	4160.5	4151.8	4091.3	3747.8
32.5°	4815.4	4830.2	4845.0	4896.9	4898.1	4783.2	4662.1	4600.4	4635.0	4644.8	4322.3
35°	4953.8	4953.8	5039.0	5170.0	5215.7	5176.2	5124.3	5202.1	5270.1	5407.2	5029.1
37.5°	5077.3	5113.2	5193.5	5357.8	5507.3	5545.6	5659.3	5873.1	5955.9	6080.7	5624.7
40°	5181.1	5207.1	5309.6	5511.0	5768.1	5943.5	6156.0	6495.9	6582.3	6558.9	5955.9
42.5°	5066.2	5108.2	5272.6	5686.5	6010.2	6340.2	6618.2	6985.2	7090.2	6872.7	6304.3
45°	5004.4	5020.5	5192.2	5661.8	6188.2	6741.7	7056.8	7449.8	7449.8	7206.4	6550.2
47.5°	4880.8	4909.3	5113.2	5629.7	6377.2	7076.6	7395.4	7795.8	7821.7	7521.4	6794.9
50°	4756.0	4791.9	5022.9	5572.8	6483.5	7412.7	7683.3	8084.9	8094.8	7737.7	7011.1
52.5°	4632.5	4651.0	4909.3	5535.7	6600.9	7585.7	7931.7	8319.7	8324.6	8061.4	7249.6
55°	4411.3	4457.0	4723.9	5399.8	6594.7	7664.8	8061.4	8633.5	8681.7	8413.6	7484.4
57.5°	4203.7	4217.3	4508.9	5203.4	6494.6	7756.2	8340.7	9083.3	9130.3	8733.6	7658.6
60°	3926.9	3941.7	4255.6	4969.8	6346.3	7847.7	8695.3	9608.5	9629.5	9069.7	7789.6
62.5°	3637.8	3688.4	3946.7	4611.5	6038.7	7863.7	8995.6	10092.9	10084.2	9361.3	7876.1
65°	3298.0	3316.5	3564.9	4192.6	5567.9	7741.4	9119.2	10327.6	10348.6	9566.5	7819.2
67.5°	2890.2	2897.6	3068.1	3671.1	5010.6	7320.0	9016.6	10519.2	10572.3	9727.1	7582.0
70°	2283.5	2294.6	2451.5	3024.9	4219.8	6675.0	8843.6	10541.4	10519.2	9582.5	7221.2
72.5°	1591.5	1575.5	1728.7	2121.6	3195.4	5490.0	8008.3	9644.3	9683.9	8865.8	6466.2
75°	762.4	767.3	1071.3	1304.9	1794.2	3922.0	6665.1	8304.9	8470.4	7726.6	5267.6
77.5°	129.7	132.2	283.0	514.0	722.9	1645.9	4419.9	6614.5	6755.3	6064.6	3566.1
80°	103.8	103.8	138.4	276.8	383.1	682.1	1674.3	2932.2	3085.4	2746.9	1314.7
82.5°	70.4	74.1	98.9	161.9	135.9	266.9	607.9	928.0	952.7	863.7	540.0
85°	39.5	40.8	50.7	65.5	56.8	98.9	124.8	127.3	134.7	105.0	80.3
87.5°	4.9	11.1	11.1	11.1	4.9	4.9	3.7	3.7	4.9	3.7	3.7
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: P509622

CATALOG NUMBER: VERD-G-CA2-130-760-U-T3-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2571.4	2571.4	2571.4	2571.4	2571.4	2571.4	2571.4	2571.4	2571.4	2571.4	2571.4
2.5°	2568.9	2554.1	2586.2	2580.1	2602.3	2598.6	2617.1	2627.0	2648.0	2675.2	2672.7
5°	2623.3	2622.1	2660.4	2678.9	2698.7	2717.2	2718.4	2737.0	2755.5	2796.3	2795.1
7.5°	2675.2	2686.3	2740.7	2741.9	2749.3	2762.9	2744.4	2750.6	2755.5	2770.3	2775.3
10°	2735.7	2756.8	2758.0	2753.0	2729.6	2728.3	2686.3	2691.3	2669.0	2686.3	2677.7
12.5°	2813.6	2796.3	2786.4	2753.0	2717.2	2669.0	2629.5	2575.1	2562.8	2562.8	2566.5
15°	2890.2	2864.3	2779.0	2725.9	2660.4	2583.8	2519.5	2457.7	2426.8	2413.2	2410.8
17.5°	2956.9	2902.6	2781.5	2712.3	2588.7	2476.3	2379.9	2281.0	2232.8	2201.9	2197.0
20°	3011.3	2953.2	2788.9	2667.8	2510.9	2345.3	2199.5	2074.7	1979.5	1909.1	1916.5
22.5°	3102.7	3010.1	2783.9	2614.7	2420.7	2205.6	1985.7	1813.9	1654.5	1615.0	1626.1
25°	3212.7	3091.6	2812.4	2582.5	2315.6	2030.2	1741.0	1542.1	1371.6	1317.2	1320.9
27.5°	3340.0	3190.5	2844.5	2529.4	2206.9	1813.9	1465.5	1219.6	1083.7	976.2	967.5
30°	3542.6	3325.2	2879.1	2494.8	2054.9	1573.0	1165.2	909.4	738.9	680.8	680.8
32.5°	4018.4	3598.2	2934.7	2412.0	1854.7	1303.6	850.1	595.6	444.8	392.9	394.2
35°	4622.6	4149.3	3060.7	2310.7	1618.7	988.5	525.2	331.2	260.7	234.8	232.3
37.5°	5199.6	4656.0	3330.1	2192.1	1320.9	626.5	295.3	203.9	177.9	176.7	177.9
40°	5555.5	5056.3	3600.7	2033.9	965.0	344.7	191.5	166.8	163.1	159.4	159.4
42.5°	5884.2	5331.9	3805.8	1791.7	575.8	208.8	168.0	152.0	149.5	143.3	143.3
45°	6151.1	5529.6	3821.9	1469.2	305.2	185.3	154.5	138.4	133.5	129.7	128.5
47.5°	6404.4	5722.3	3763.8	1125.7	217.5	171.8	144.6	127.3	121.1	123.6	122.3
50°	6574.9	5915.1	3605.6	884.7	207.6	159.4	133.5	116.2	113.7	118.6	117.4
52.5°	6759.0	6073.3	3298.0	688.3	192.8	147.0	122.3	108.7	103.8	107.5	108.7
55°	6904.9	6070.8	3071.8	537.5	182.9	137.2	114.9	102.6	93.9	93.9	92.7
57.5°	6976.5	6012.7	2890.2	422.6	171.8	127.3	107.5	90.2	80.3	77.8	76.6
60°	6972.8	5955.9	2678.9	347.2	160.6	116.2	96.4	76.6	66.7	61.8	61.8
62.5°	6933.3	5822.4	2344.0	299.0	149.5	107.5	80.3	63.0	55.6	50.7	51.9
65°	6832.0	5565.4	1932.6	254.5	138.4	103.8	68.0	55.6	48.2	43.2	43.2
67.5°	6481.0	5134.2	1507.5	213.8	127.3	86.5	59.3	47.0	40.8	35.8	35.8
70°	5984.3	4476.8	992.2	180.4	113.7	75.4	53.1	40.8	34.6	29.7	28.4
72.5°	5100.8	3577.2	504.1	154.5	97.6	66.7	47.0	35.8	29.7	24.7	23.5
75°	3912.1	2409.5	313.9	123.6	76.6	59.3	42.0	32.1	24.7	18.5	17.3
77.5°	2332.9	970.0	222.4	86.5	51.9	47.0	34.6	25.9	19.8	13.6	13.6
80°	736.5	428.8	150.8	59.3	33.4	32.1	25.9	18.5	13.6	9.9	9.9
82.5°	416.4	271.8	101.3	39.5	23.5	21.0	14.8	11.1	8.6	7.4	7.4
85°	69.2	54.4	30.9	14.8	11.1	9.9	6.2	3.7	2.5	1.2	2.5
87.5°	3.7	3.7	4.9	4.9	4.9	3.7	2.5	0.0	0.0	0.0	0.0
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)