

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: P509598

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

Issue Date: 4/6/2021

Test Information

Test Method: LM-79-08
Report Number: P509598
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-CA2-130-730-U-T3-HSS
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 3000K, 1200mA LEDS AND TYPE III OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17016 lumens
Efficiency: N/A
Efficacy: 127.1 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

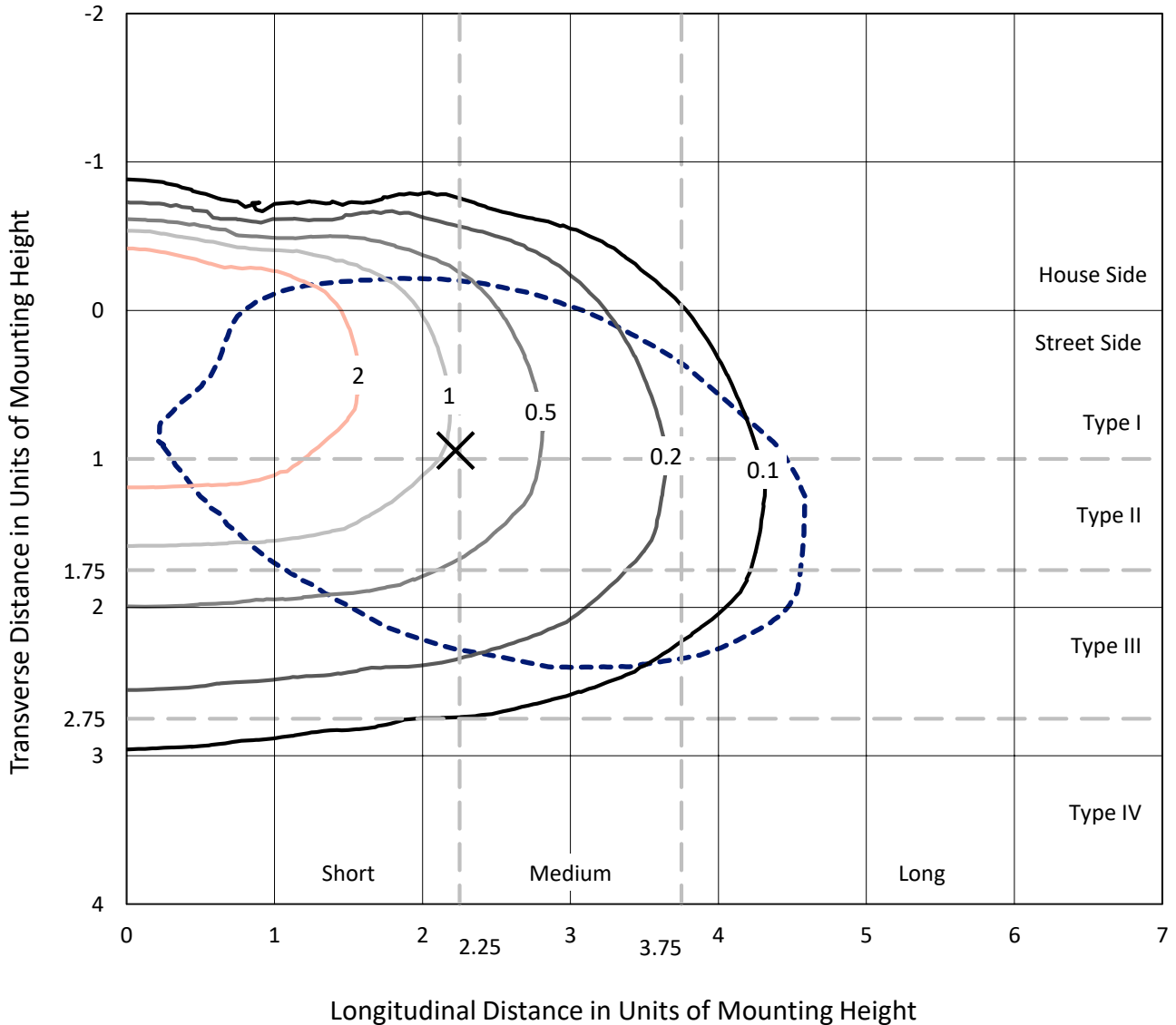
Input Watts (W): 133.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

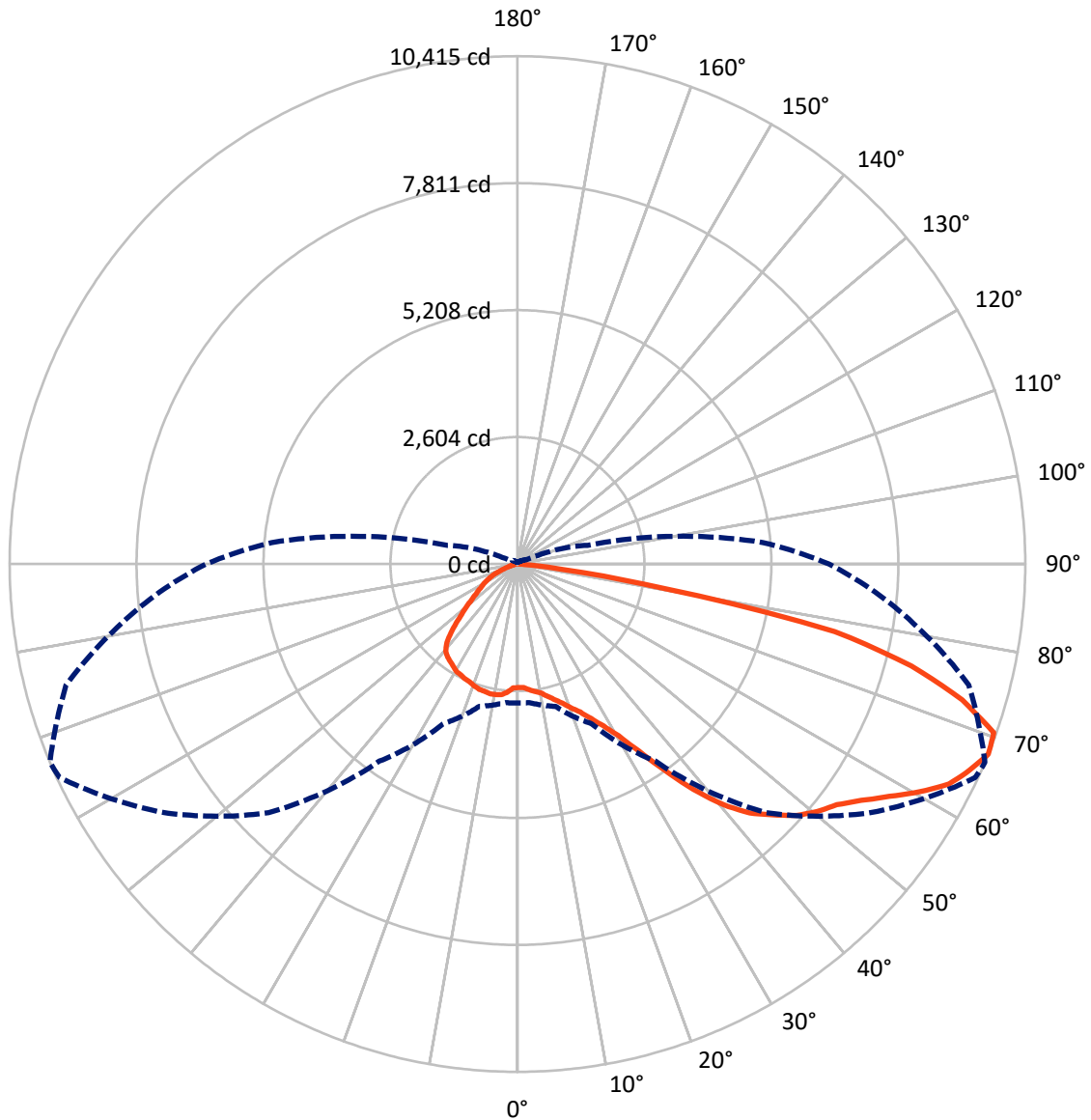
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.9 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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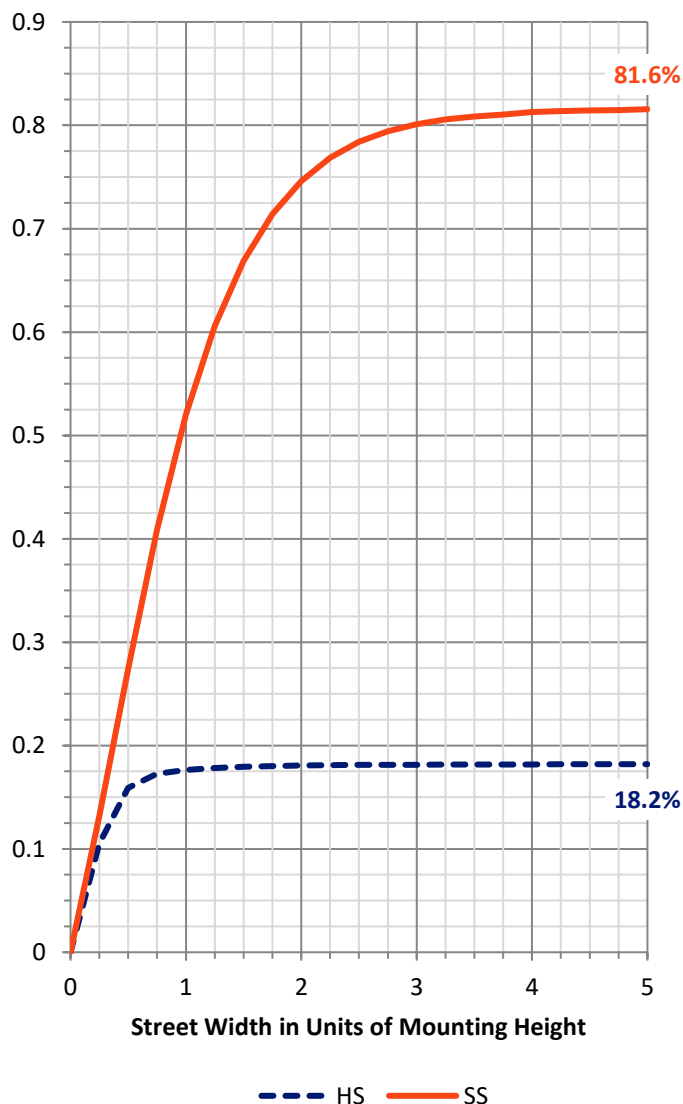
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3132.0	0.0	3132.0
	% Fixture	18.4	0.0	18.4
Street Side	Lumens	13884.0	0.0	13884.0
	% Fixture	81.6	0.0	81.6
Total	Lumens	17016.0	0.0	17016.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	254.8	1.5
10°-20°	796.5	4.7
20°-30°	1357.9	8.0
30°-40°	2071.1	12.2
40°-50°	2919.7	17.2
50°-60°	3529.1	20.7
60°-70°	3716.8	21.8
70°-80°	2211.0	13.0
80°-90°	159.0	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°	17016.0	100.0
0°-180°	17016.0	100.0



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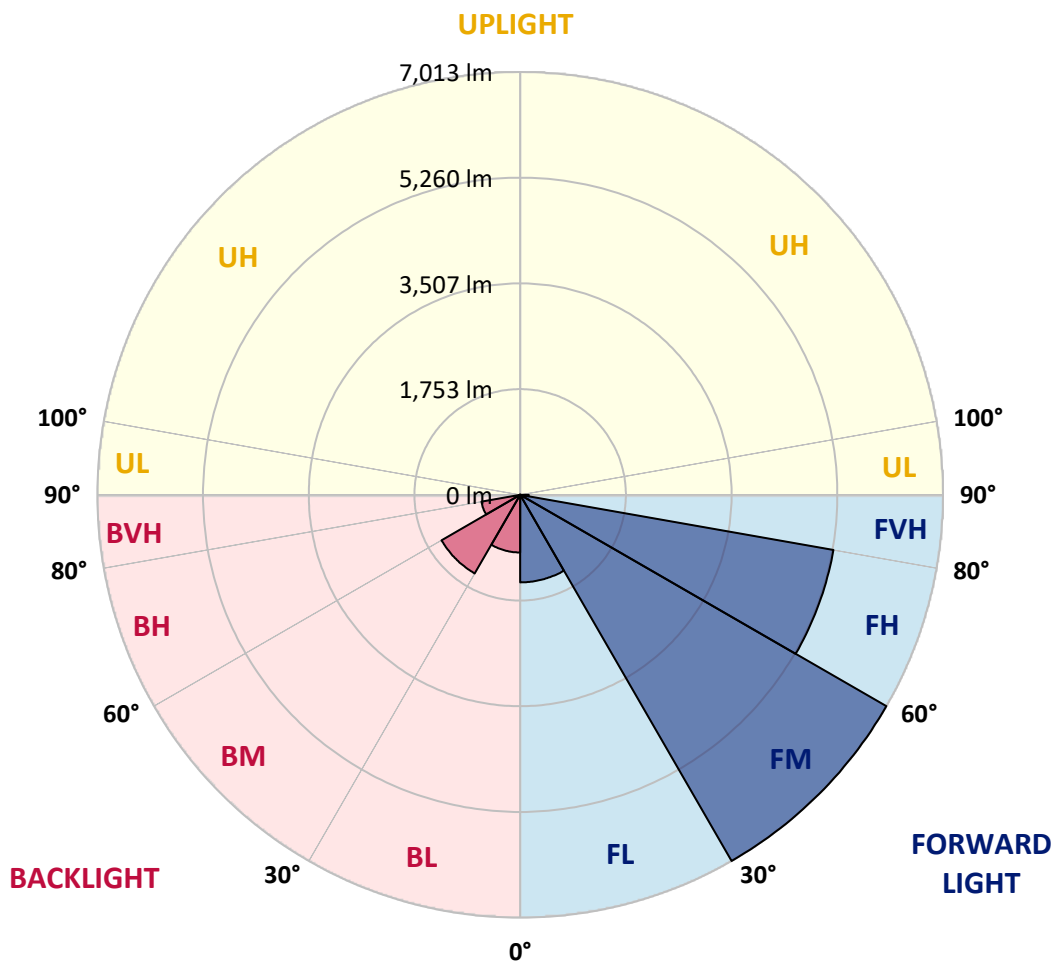
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1452.7	8.5			
FM	(30°-60°)	7013.2	41.2			
FH	(60°-80°)	5275.8	31.0			G3/7500
FVH	(80°-90°)	142.3	0.8			G2/225
BL	(0°-30°)	956.5	5.6	B2/1000		
BM	(30°-60°)	1506.8	8.9	B2/2500		
BH	(60°-80°)	652.0	3.8	B2/1000		G2/1000
BVH	(80°-90°)	16.7	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	2533.1	2533.1	2533.1	2533.1	2533.1	2533.1	2533.1	2533.1	2533.1	2533.1	2533.1
2.5°	2586.7	2596.4	2577.0	2572.1	2546.5	2550.2	2545.3	2533.1	2538.0	2528.3	2534.4
5°	2686.5	2661.0	2653.7	2639.0	2615.9	2602.5	2583.1	2577.0	2590.4	2579.4	2581.8
7.5°	2792.4	2797.3	2764.4	2736.4	2695.0	2685.3	2651.2	2630.5	2643.9	2629.3	2637.8
10°	2925.1	2932.4	2897.1	2859.4	2824.1	2772.9	2730.3	2697.5	2693.8	2686.5	2698.7
12.5°	3099.2	3098.0	3059.0	3012.8	2943.4	2908.1	2826.5	2780.3	2786.3	2759.6	2757.1
15°	3301.2	3284.2	3239.2	3191.7	3105.3	3035.9	2937.3	2880.1	2889.8	2859.4	2852.1
17.5°	3498.4	3481.4	3446.1	3393.8	3314.6	3207.5	3087.0	3004.2	3001.8	2987.2	2943.4
20°	3700.5	3707.8	3660.3	3612.9	3533.7	3390.1	3253.8	3146.7	3149.1	3123.5	3038.3
22.5°	3936.7	3923.3	3866.1	3844.1	3754.1	3597.0	3444.9	3321.9	3297.6	3292.7	3145.4
25°	4161.9	4153.3	4101.0	4075.4	4000.0	3856.3	3659.1	3511.8	3508.2	3492.4	3284.2
27.5°	4340.8	4350.5	4345.7	4327.4	4244.6	4103.4	3930.6	3754.1	3756.5	3733.4	3464.4
30°	4595.2	4566.0	4555.0	4569.6	4562.3	4410.2	4226.4	4098.6	4090.0	4030.4	3692.0
32.5°	4743.7	4758.3	4772.9	4824.1	4825.3	4712.1	4592.8	4531.9	4566.0	4575.7	4258.0
35°	4880.0	4880.0	4964.0	5093.1	5138.1	5099.2	5048.0	5124.7	5191.7	5326.8	4954.3
37.5°	5001.8	5037.1	5116.2	5278.1	5425.4	5463.1	5575.1	5785.7	5867.3	5990.2	5541.0
40°	5104.0	5129.6	5230.6	5429.0	5682.2	5855.1	6064.5	6399.2	6484.4	6461.3	5867.3
42.5°	4990.8	5032.2	5194.1	5601.9	5920.8	6245.8	6519.7	6881.2	6984.7	6770.5	6210.5
45°	4930.0	4945.8	5115.0	5577.5	6096.1	6641.4	6951.8	7338.9	7338.9	7099.1	6452.8
47.5°	4808.2	4836.2	5037.1	5545.9	6282.3	6971.3	7285.4	7679.8	7705.3	7409.5	6693.8
50°	4685.3	4720.6	4948.2	5489.9	6387.0	7302.4	7569.0	7964.6	7974.4	7622.6	6906.8
52.5°	4563.6	4581.8	4836.2	5453.4	6502.7	7472.8	7813.7	8195.9	8200.8	7941.5	7141.7
55°	4345.7	4390.7	4653.6	5319.5	6496.6	7550.7	7941.5	8505.1	8552.6	8288.4	7373.0
57.5°	4141.2	4154.6	4441.8	5125.9	6398.0	7640.8	8216.6	8948.2	8994.4	8603.7	7544.7
60°	3868.5	3883.1	4192.3	4895.9	6251.9	7730.9	8565.9	9465.5	9486.2	8934.8	7673.7
62.5°	3583.7	3633.6	3888.0	4542.9	5948.8	7746.7	8861.7	9942.7	9934.2	9222.1	7758.9
65°	3248.9	3267.2	3511.8	4130.2	5485.0	7626.2	8983.5	10174.0	10194.7	9424.1	7702.9
67.5°	2847.2	2854.5	3022.5	3616.5	4936.0	7211.1	8882.4	10362.6	10415.0	9582.4	7469.2
70°	2249.5	2260.5	2415.1	2979.9	4157.0	6575.7	8712.0	10384.6	10362.6	9440.0	7113.7
72.5°	1567.8	1552.0	1703.0	2090.1	3147.9	5408.3	7889.1	9500.8	9539.8	8733.9	6370.0
75°	751.1	755.9	1055.4	1285.4	1767.5	3863.6	6566.0	8181.3	8344.4	7611.6	5189.2
77.5°	127.8	130.2	278.8	506.4	712.1	1621.4	4354.2	6516.1	6654.8	5974.4	3513.0
80°	102.3	102.3	136.3	272.7	377.4	671.9	1649.4	2888.6	3039.5	2706.0	1295.2
82.5°	69.4	73.0	97.4	159.5	133.9	262.9	598.9	914.2	938.5	850.9	531.9
85°	39.0	40.2	49.9	64.5	56.0	97.4	122.9	125.4	132.7	103.5	79.1
87.5°	4.9	11.0	11.0	11.0	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2533.1	2533.1	2533.1	2533.1	2533.1	2533.1	2533.1	2533.1	2533.1	2533.1	2533.1
2.5°	2530.7	2516.1	2547.8	2541.7	2563.6	2559.9	2578.2	2587.9	2608.6	2635.4	2633.0
5°	2584.3	2583.1	2620.8	2639.0	2658.5	2676.8	2678.0	2696.3	2714.5	2754.7	2753.5
7.5°	2635.4	2646.4	2699.9	2701.1	2708.4	2721.8	2703.6	2709.6	2714.5	2729.1	2734.0
10°	2695.0	2715.7	2717.0	2712.1	2689.0	2687.7	2646.4	2651.2	2629.3	2646.4	2637.8
12.5°	2771.7	2754.7	2745.0	2712.1	2676.8	2629.3	2590.4	2536.8	2524.6	2524.6	2528.3
15°	2847.2	2821.6	2737.6	2685.3	2620.8	2545.3	2482.0	2421.2	2390.7	2377.3	2374.9
17.5°	2912.9	2859.4	2740.1	2671.9	2550.2	2439.4	2344.5	2247.1	2199.6	2169.2	2164.3
20°	2966.5	2909.3	2747.4	2628.1	2473.5	2310.4	2166.7	2043.8	1950.1	1880.7	1888.0
22.5°	3056.6	2965.3	2742.5	2575.7	2384.6	2172.8	1956.2	1787.0	1629.9	1591.0	1601.9
25°	3164.9	3045.6	2770.5	2544.1	2281.2	2000.0	1715.1	1519.2	1351.2	1297.6	1301.3
27.5°	3290.3	3143.0	2802.2	2491.8	2174.0	1787.0	1443.7	1201.4	1067.5	961.6	953.1
30°	3489.9	3275.7	2836.2	2457.7	2024.3	1549.6	1147.9	895.9	727.9	670.7	670.7
32.5°	3958.6	3544.7	2891.0	2376.1	1827.1	1284.2	837.5	586.7	438.2	387.1	388.3
35°	4553.8	4087.6	3015.2	2276.3	1594.6	973.8	517.3	326.2	256.8	231.3	228.8
37.5°	5122.3	4586.7	3280.6	2159.4	1301.3	617.2	290.9	200.9	175.3	174.1	175.3
40°	5472.9	4981.1	3547.1	2003.6	950.7	339.6	188.7	164.3	160.7	157.0	157.0
42.5°	5796.7	5252.5	3749.2	1765.0	567.2	205.7	165.5	149.7	147.3	141.2	141.2
45°	6059.6	5447.3	3765.0	1447.3	300.7	182.6	152.2	136.3	131.5	127.8	126.6
47.5°	6309.1	5637.2	3707.8	1108.9	214.2	169.2	142.4	125.4	119.3	121.7	120.5
50°	6477.1	5827.1	3552.0	871.6	204.5	157.0	131.5	114.4	112.0	116.9	115.6
52.5°	6658.5	5982.9	3248.9	678.0	189.9	144.9	120.5	107.1	102.3	105.9	107.1
55°	6802.1	5980.5	3026.1	529.5	180.2	135.1	113.2	101.0	92.5	92.5	91.3
57.5°	6872.7	5923.3	2847.2	416.3	169.2	125.4	105.9	88.9	79.1	76.7	75.5
60°	6869.1	5867.3	2639.0	342.1	158.2	114.4	94.9	75.5	65.7	60.9	60.9
62.5°	6830.1	5735.8	2309.2	294.6	147.3	105.9	79.1	62.1	54.8	49.9	51.1
65°	6730.3	5482.6	1903.8	250.8	136.3	102.3	67.0	54.8	47.5	42.6	42.6
67.5°	6384.6	5057.8	1485.1	210.6	125.4	85.2	58.4	46.3	40.2	35.3	35.3
70°	5895.3	4410.2	977.5	177.7	112.0	74.3	52.3	40.2	34.1	29.2	28.0
72.5°	5024.9	3524.0	496.6	152.2	96.2	65.7	46.3	35.3	29.2	24.3	23.1
75°	3853.9	2373.7	309.2	121.7	75.5	58.4	41.4	31.6	24.3	18.3	17.0
77.5°	2298.2	955.6	219.1	85.2	51.1	46.3	34.1	25.6	19.5	13.4	13.4
80°	725.5	422.4	148.5	58.4	32.9	31.6	25.6	18.3	13.4	9.7	9.7
82.5°	410.2	267.8	99.8	39.0	23.1	20.7	14.6	11.0	8.5	7.3	7.3
85°	68.2	53.6	30.4	14.6	11.0	9.7	6.1	3.7	2.4	1.2	2.4
87.5°	3.7	3.7	4.9	4.9	4.9	3.7	2.4	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)