

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: P553571

Luminaire Tested: **VERD-G-CA2-150-740-U-T3**

Issue Date: 7/12/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P553571  
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-CA2-150-740-U-T3  
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE  
(2) 70 CRI, 4000K, 1380mA LEDS AND TYPE III OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 21607 lumens  
Efficiency: N/A  
Efficacy: 142.0 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

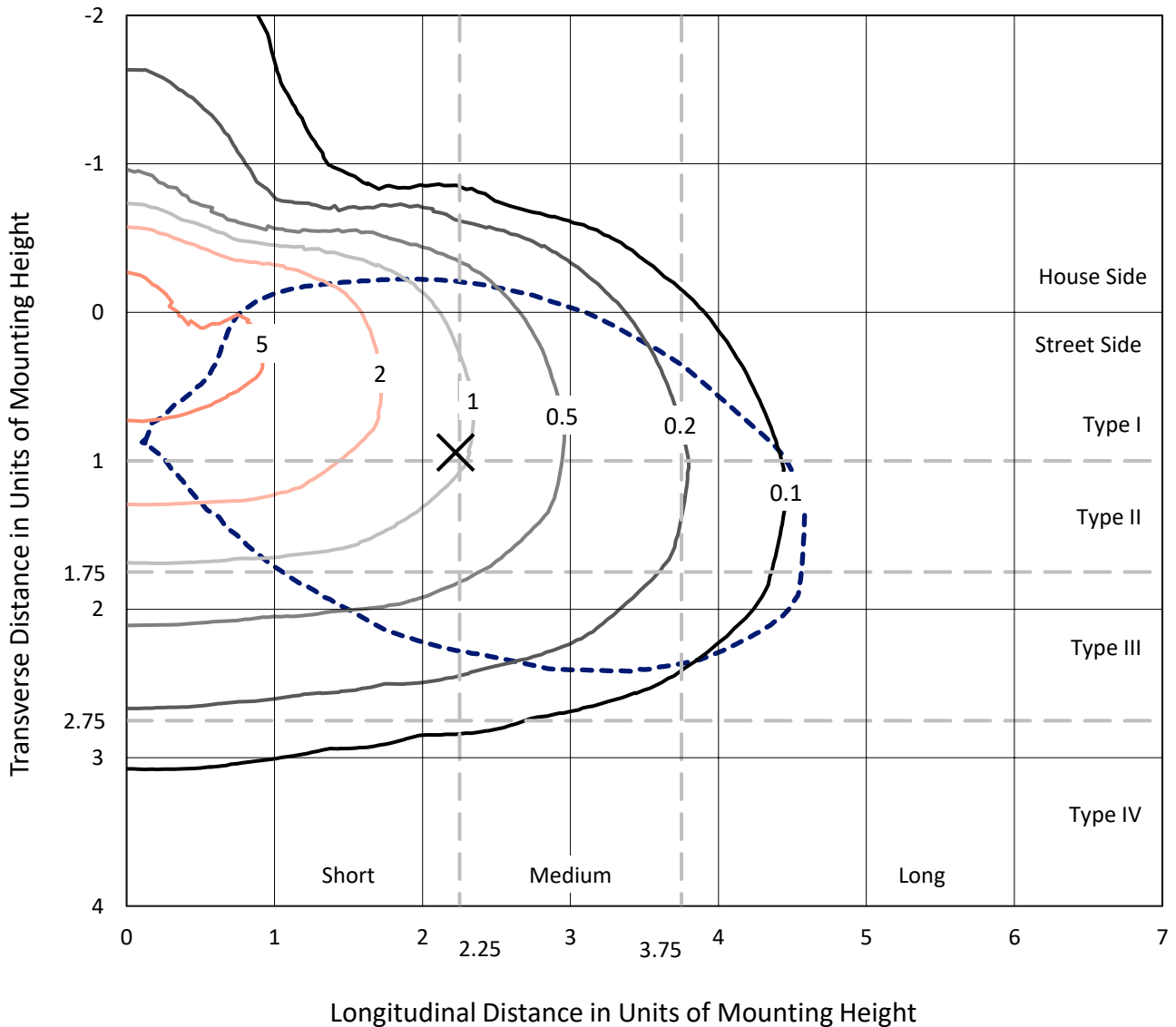
Input Watts (W): 152.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

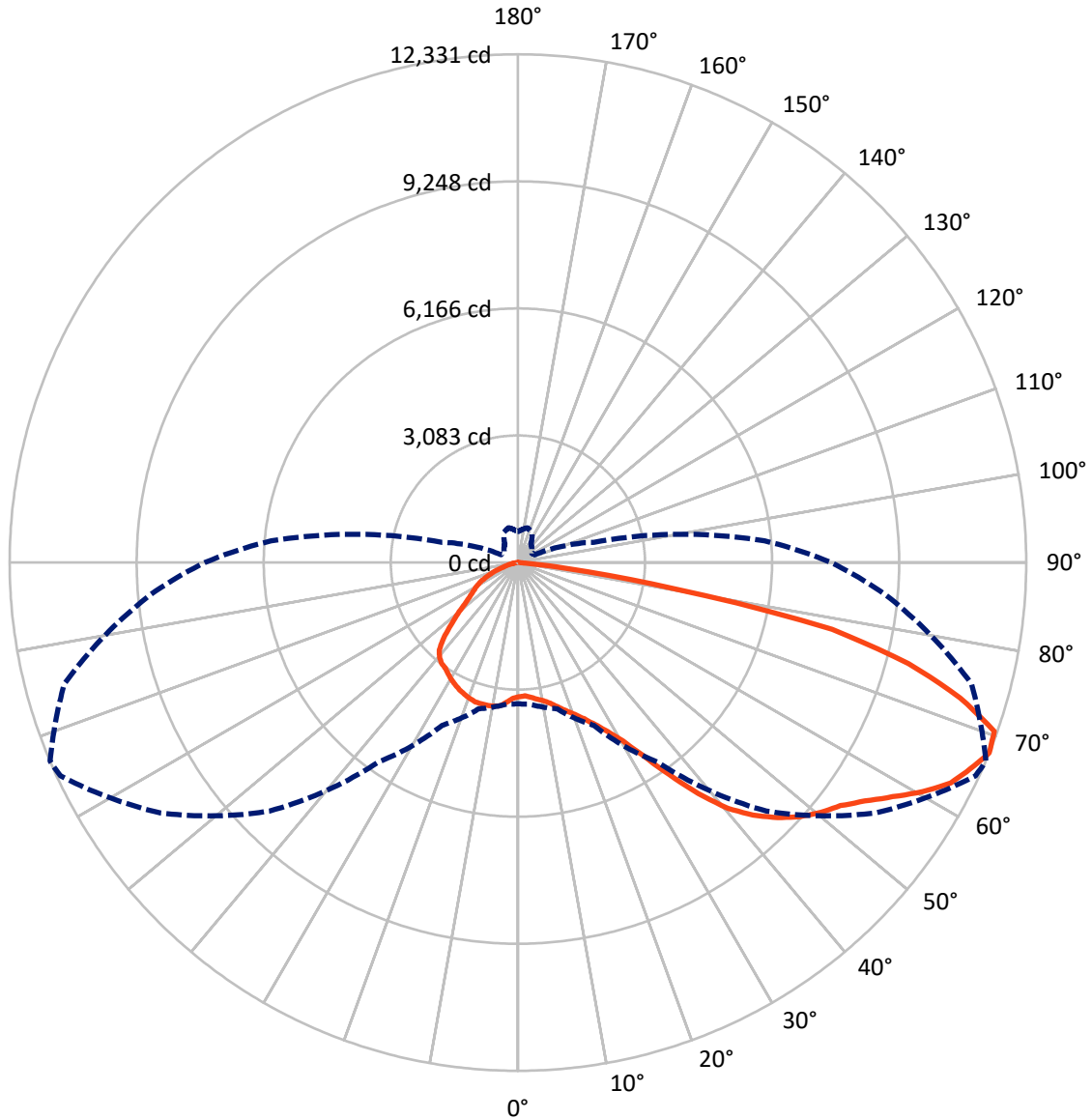
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.1 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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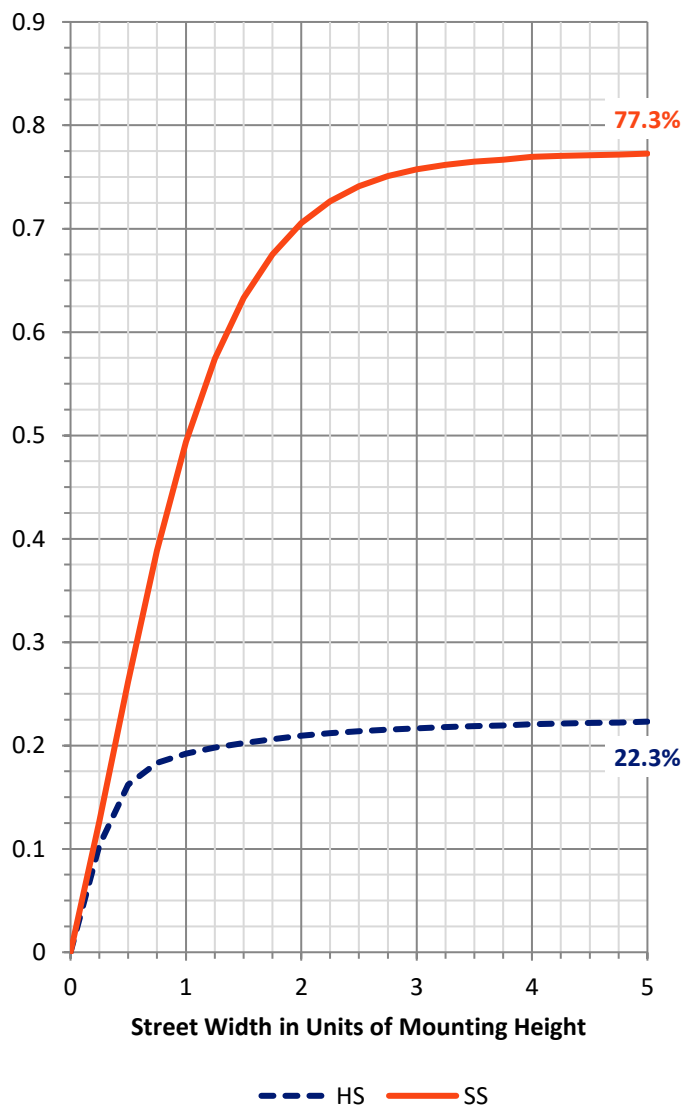
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4902.7	0.0	4902.7
	% Fixture	22.7	0.0	22.7
<b>Street Side</b>	Lumens	16704.3	0.0	16704.3
	% Fixture	77.3	0.0	77.3
<b>Total</b>	Lumens	21607.0	0.0	21607.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	329.9	1.5
10°-20°	1044.4	4.8
20°-30°	1791.2	8.3
30°-40°	2665.7	12.3
40°-50°	3644.6	16.9
50°-60°	4377.9	20.3
60°-70°	4644.3	21.5
70°-80°	2837.1	13.1
80°-90°	271.7	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°	21607.0	100.0
0°-180°	21607.0	100.0

**Coefficient of Utilization**



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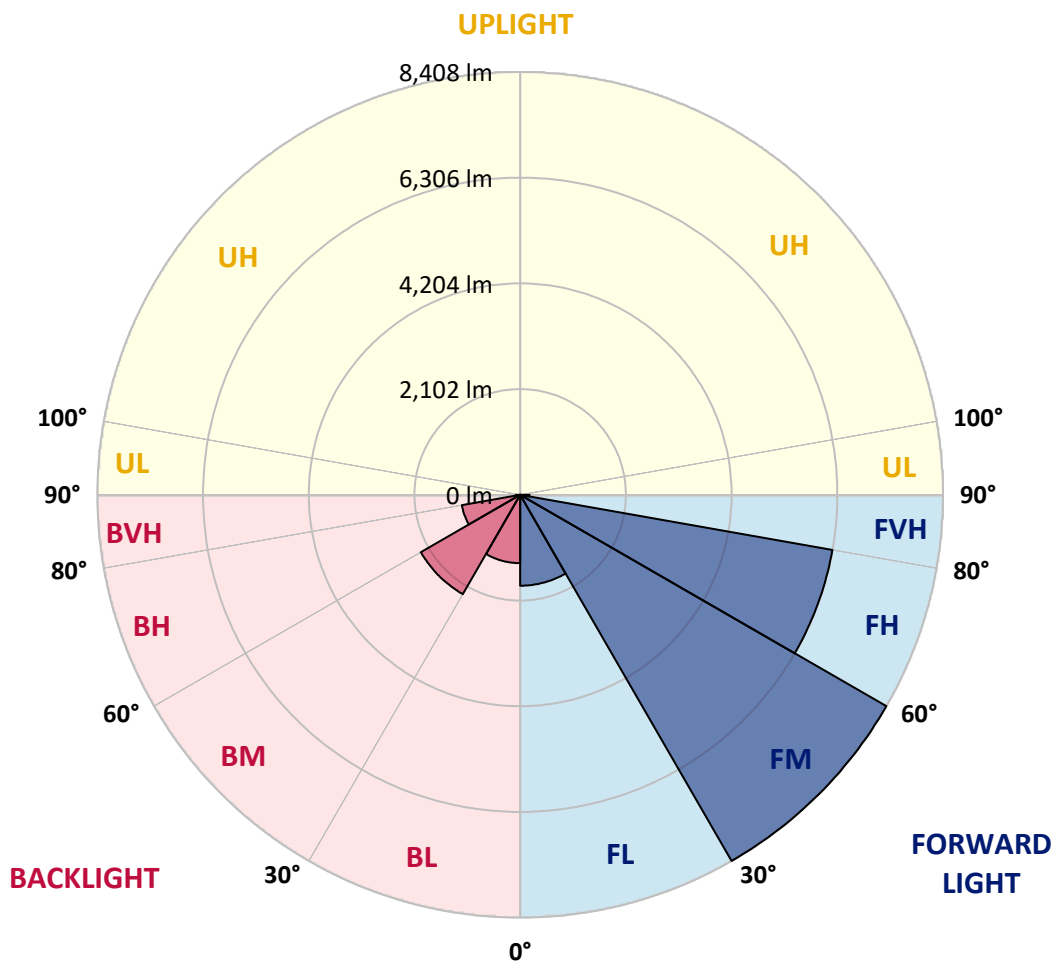
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1807.2	8.4			
FM (30°-60°)	8407.7	38.9			
FH (60°-80°)	6304.3	29.2			G3/7500
FVH (80°-90°)	185.0	0.9			G2/225
BL (0°-30°)	1358.3	6.3	B3/2500		
BM (30°-60°)	2280.5	10.6	B2/2500		
BH (60°-80°)	1177.2	5.4	B3/2500		G3/2500
BVH (80°-90°)	86.7	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°	3257.7	3257.7	3257.7	3257.7	3257.7	3257.7	3257.7	3257.7	3257.7	3257.7	3257.7
2.5°	3309.3	3325.0	3299.3	3282.1	3263.5	3273.5	3249.2	3249.2	3237.7	3256.3	3244.9
5°	3416.6	3430.9	3386.6	3350.8	3347.9	3317.9	3315.0	3300.7	3283.5	3299.3	3315.0
7.5°	3559.8	3554.0	3522.5	3481.0	3439.5	3422.4	3393.7	3372.3	3346.5	3360.8	3365.1
10°	3734.4	3724.4	3682.9	3617.0	3584.1	3536.9	3465.3	3425.2	3406.6	3420.9	3425.2
12.5°	3920.5	3907.6	3867.5	3794.5	3737.2	3662.8	3581.2	3516.8	3503.9	3489.6	3514.0
15°	4129.4	4106.5	4072.2	4013.5	3924.8	3827.4	3715.8	3654.2	3635.6	3611.3	3599.8
17.5°	4355.6	4352.7	4308.4	4243.9	4153.8	4019.2	3876.1	3780.2	3780.2	3770.2	3708.6
20°	4598.9	4587.5	4543.1	4507.3	4379.9	4238.2	4063.6	3941.9	3929.0	3909.0	3807.4
22.5°	4843.7	4845.1	4787.9	4760.7	4666.2	4484.4	4264.0	4142.3	4116.6	4089.4	3913.3
25°	5065.5	5068.4	5051.2	5001.1	4923.8	4756.4	4525.9	4364.2	4349.9	4312.6	4099.4
27.5°	5290.3	5326.0	5275.9	5281.7	5247.3	5055.5	4825.1	4629.0	4643.3	4561.7	4269.7
30°	5556.5	5569.4	5545.0	5552.2	5530.7	5404.8	5181.5	5022.6	5022.6	4929.6	4558.8
32.5°	5769.8	5758.3	5759.7	5834.2	5844.2	5775.5	5592.3	5540.7	5585.1	5573.7	5240.2
35°	5875.7	5895.7	5951.5	6121.9	6204.9	6163.4	6141.9	6210.6	6322.3	6393.8	5984.5
37.5°	6011.7	6073.2	6143.3	6333.7	6486.9	6601.4	6718.7	6944.9	7105.2	7198.2	6691.5
40°	6151.9	6157.7	6297.9	6534.1	6833.3	7015.0	7294.1	7683.5	7840.9	7770.8	7083.7
42.5°	6043.1	6057.5	6252.1	6672.9	7048.0	7513.1	7815.2	8264.6	8373.4	8160.1	7488.8
45°	5902.9	5930.1	6176.3	6672.9	7284.1	7969.7	8314.7	8815.7	8828.6	8540.8	7733.6
47.5°	5778.3	5801.3	6060.3	6621.4	7506.0	8370.5	8716.9	9124.8	9212.2	8851.5	8058.5
50°	5612.3	5669.6	5924.3	6575.6	7609.0	8649.6	9073.3	9497.0	9527.0	9144.9	8301.8
52.5°	5432.0	5482.1	5795.5	6489.7	7740.7	8880.1	9309.5	9854.8	9799.0	9537.1	8575.2
55°	5188.6	5233.0	5595.1	6352.3	7756.5	9004.6	9479.8	10186.9	10208.4	9863.4	8840.0
57.5°	4909.5	4984.0	5313.2	6097.5	7611.9	9041.8	9773.2	10636.3	10719.4	10267.1	9051.8
60°	4607.5	4666.2	5039.8	5827.0	7420.1	9182.1	10175.4	11218.9	11284.7	10619.2	9137.7
62.5°	4298.3	4347.0	4656.2	5420.5	7068.0	9209.3	10526.1	11804.3	11782.9	10932.6	9256.5
65°	3913.3	3917.6	4209.6	4929.6	6578.5	9014.6	10706.5	12041.9	12063.4	11217.5	9120.5
67.5°	3423.8	3451.0	3672.8	4357.0	5911.5	8525.1	10592.0	12246.6	12331.1	11393.5	8947.4
70°	2726.7	2742.5	2974.3	3611.3	5025.5	7767.9	10374.4	12278.1	12259.5	11165.9	8470.7
72.5°	1939.5	1999.6	2155.6	2539.2	3856.0	6358.0	9391.1	11306.2	11220.3	10287.1	7556.1
75°	1246.7	1252.4	1408.4	1658.9	2257.2	4507.3	7828.0	9746.0	9781.8	8923.0	6151.9
77.5°	412.2	465.2	516.7	699.9	936.1	1876.5	5284.5	7682.0	7790.8	7029.3	4198.1
80°	181.8	181.8	307.7	396.5	505.3	804.4	2108.4	3476.7	3810.2	3277.8	1617.4
82.5°	133.1	136.0	206.1	236.2	199.0	334.9	757.2	1113.6	1180.9	1060.6	642.7
85°	75.9	78.7	88.7	101.6	84.4	136.0	167.5	171.8	173.2	150.3	117.4
87.5°	34.4	34.4	31.5	27.2	15.7	10.0	10.0	7.2	8.6	7.2	5.7
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°	3257.7	3257.7	3257.7	3257.7	3257.7	3257.7	3257.7	3257.7	3257.7	3257.7	3257.7
2.5°	3240.6	3254.9	3286.4	3292.1	3306.4	3327.9	3355.1	3368.0	3410.9	3430.9	3436.7
5°	3317.9	3325.0	3379.4	3398.0	3462.4	3495.4	3524.0	3544.0	3597.0	3609.9	3632.8
7.5°	3376.5	3400.9	3466.7	3508.2	3548.3	3582.7	3579.8	3627.0	3654.2	3675.7	3684.3
10°	3436.7	3449.5	3516.8	3535.4	3565.5	3591.3	3598.4	3611.3	3618.4	3648.5	3658.5
12.5°	3529.7	3521.1	3529.7	3545.4	3569.8	3564.1	3579.8	3561.2	3571.2	3609.9	3595.5
15°	3598.4	3578.4	3541.2	3542.6	3526.8	3519.7	3496.8	3481.0	3479.6	3488.2	3502.5
17.5°	3675.7	3617.0	3548.3	3529.7	3471.0	3413.8	3373.7	3330.7	3323.6	3332.2	3322.2
20°	3743.0	3664.2	3545.4	3486.8	3372.3	3269.2	3210.5	3146.1	3143.2	3137.5	3126.1
22.5°	3824.6	3725.8	3544.0	3425.2	3289.2	3123.2	3001.5	2952.9	2894.2	2917.1	2914.2
25°	3946.2	3823.1	3556.9	3359.4	3138.9	2941.4	2785.4	2678.1	2619.4	2606.5	2612.2
27.5°	4096.5	3933.3	3564.1	3276.4	3001.5	2719.6	2471.9	2310.2	2274.4	2227.2	2231.5
30°	4315.5	4083.6	3598.4	3184.7	2799.7	2436.2	2141.3	1930.9	1870.8	1880.8	1883.7
32.5°	4832.2	4392.8	3622.7	3078.8	2577.9	2122.7	1737.7	1527.2	1480.0	1497.2	1507.2
35°	5510.7	4985.4	3755.9	2942.9	2325.9	1756.3	1332.6	1213.8	1223.8	1256.7	1265.3
37.5°	6183.4	5613.7	4049.3	2824.0	2003.9	1344.0	1063.5	993.4	1052.0	1083.5	1093.5
40°	6597.1	6031.7	4372.8	2640.8	1594.5	987.6	810.1	770.1	837.3	910.3	946.1
42.5°	7015.0	6373.8	4583.2	2417.5	1140.8	718.5	602.6	635.5	745.7	818.7	835.9
45°	7281.3	6549.8	4603.2	2062.6	760.0	556.8	549.6	619.8	732.8	791.5	801.6
47.5°	7540.3	6786.0	4518.8	1651.8	572.5	529.6	545.3	626.9	738.6	804.4	803.0
50°	7798.0	7017.9	4335.6	1311.1	541.0	512.4	553.9	641.2	748.6	798.7	798.7
52.5°	7955.4	7132.4	3967.7	1043.5	521.0	502.4	558.2	647.0	738.6	767.2	762.9
55°	8144.4	7159.6	3720.1	868.8	499.5	495.2	566.8	662.7	737.1	740.0	730.0
57.5°	8243.1	7092.3	3518.3	738.6	480.9	498.1	576.8	667.0	778.7	813.0	818.7
60°	8200.2	7010.7	3289.2	657.0	463.8	493.8	574.0	699.9	907.5	979.0	966.2
62.5°	8158.7	6857.6	2904.2	589.7	445.1	496.7	571.1	775.8	1066.4	991.9	951.8
65°	8008.4	6539.8	2403.2	525.3	422.2	498.1	565.4	857.4	1092.1	1001.9	933.2
67.5°	7596.2	6010.2	1900.8	456.6	395.1	478.1	552.5	805.8	874.6	787.2	750.0
70°	6982.1	5243.0	1304.0	395.1	362.1	453.7	543.9	762.9	821.6	760.0	712.8
72.5°	5991.6	4119.4	722.8	330.6	317.8	423.7	542.5	752.9	827.3	651.3	599.7
75°	4556.0	2732.4	469.5	259.1	260.5	377.9	516.7	718.5	801.6	612.6	542.5
77.5°	2683.8	1150.8	327.8	184.6	203.3	293.4	459.5	688.5	758.6	599.7	542.5
80°	911.8	506.7	213.3	124.5	124.5	187.5	327.8	562.5	675.6	584.0	578.3
82.5°	473.8	322.1	136.0	77.3	71.6	90.2	201.8	386.5	542.5	495.2	564.0
85°	94.5	67.3	42.9	31.5	34.4	45.8	71.6	196.1	343.5	382.2	458.0
87.5°	7.2	5.7	8.6	8.6	8.6	8.6	10.0	48.7	137.4	168.9	209.0
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)