

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: P553563

Luminaire Tested: **VERD-G-CA2-150-730-U-T3**

Issue Date: 7/12/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P553563  
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-CA2-150-730-U-T3  
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE  
(2) 70 CRI, 3000K, 1380mA LEDS AND TYPE III OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 21215 lumens  
Efficiency: N/A  
Efficacy: 139.4 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

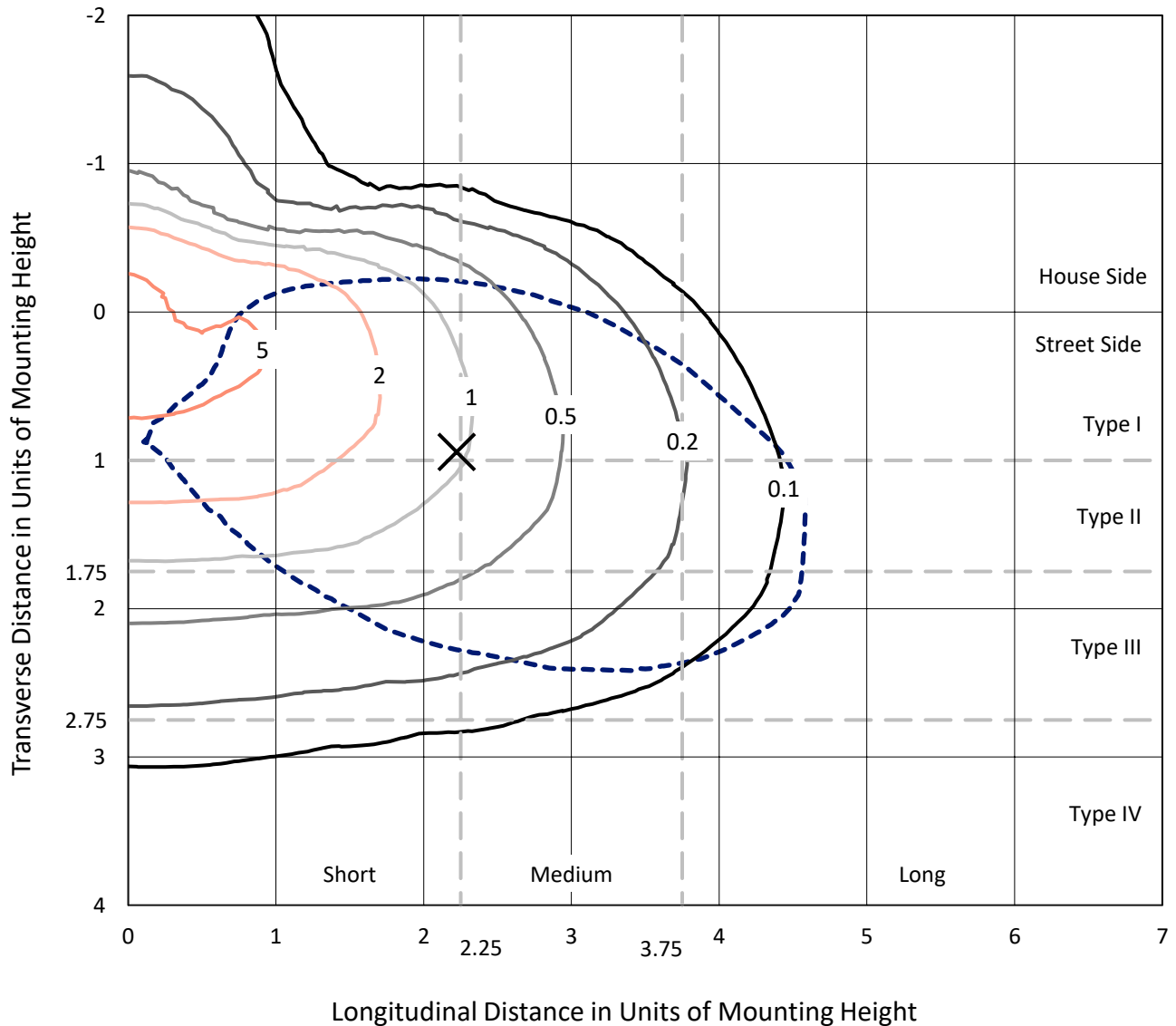
Input Watts (W): 152.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

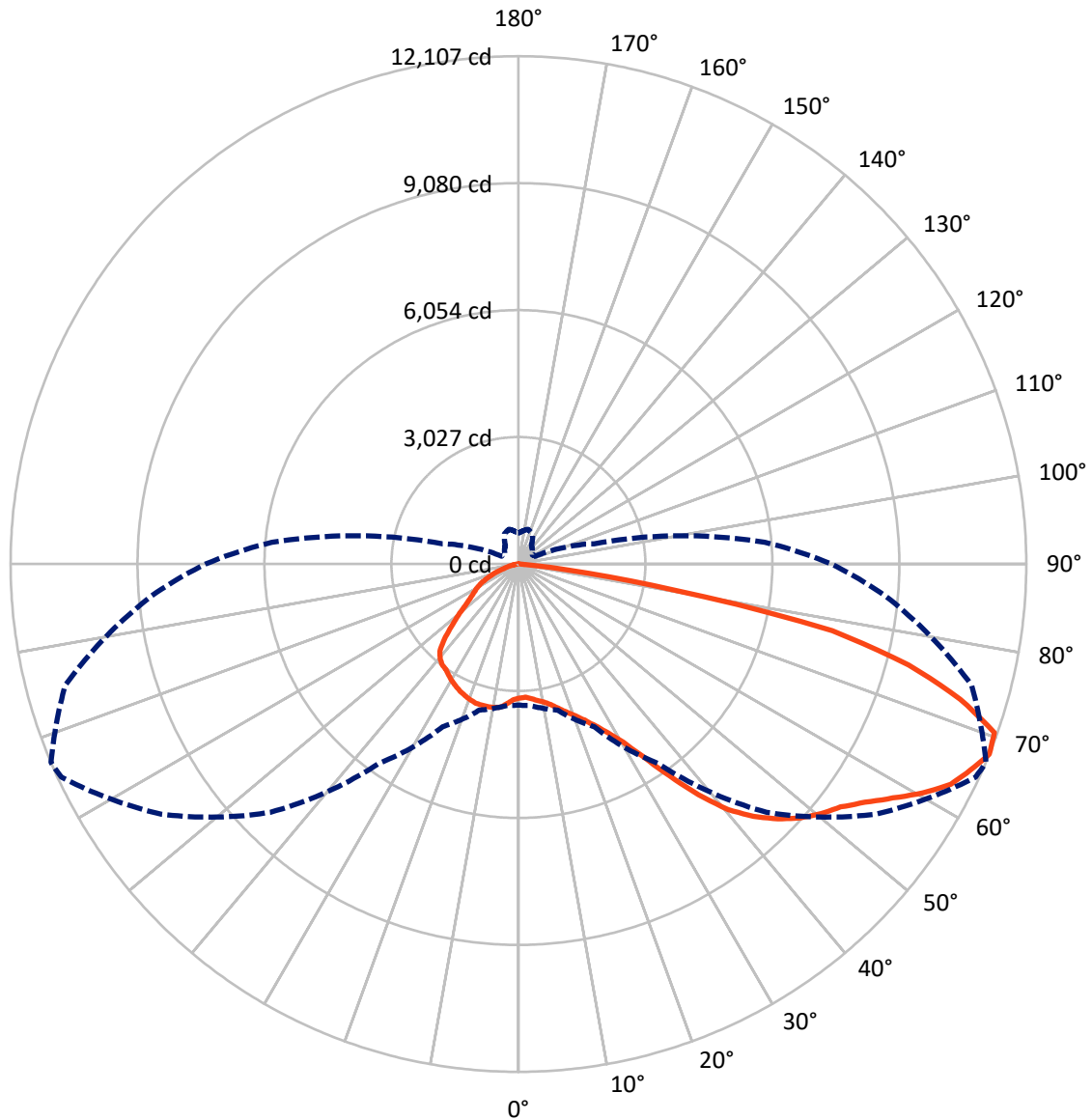
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6 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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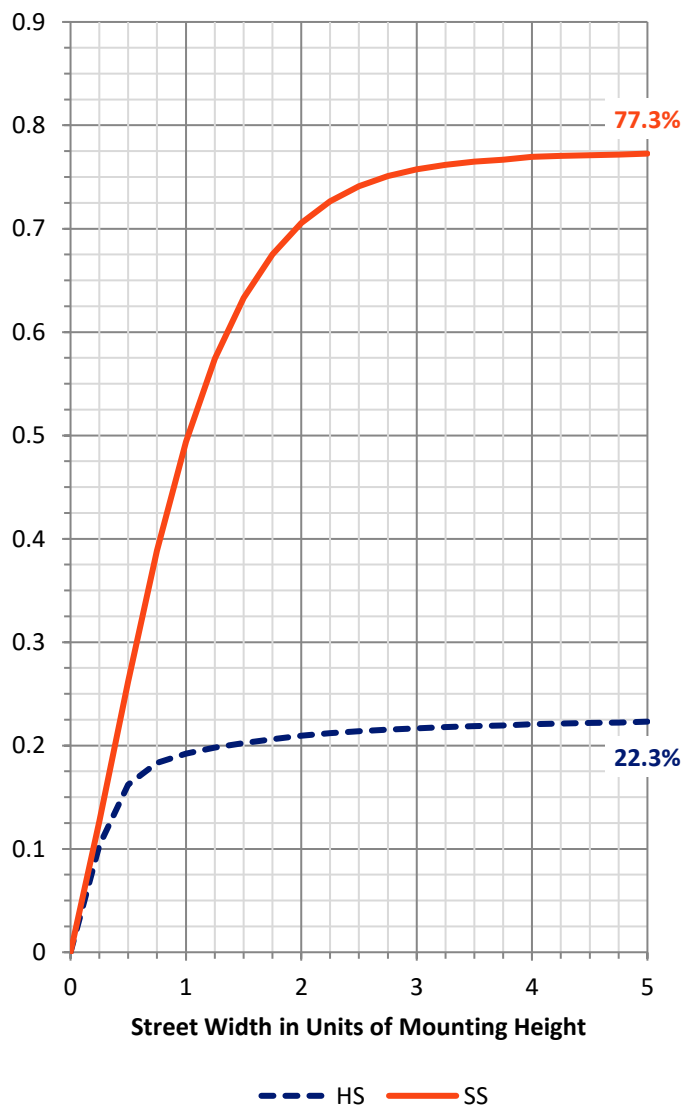
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4813.8	0.0	4813.8
	% Fixture	22.7	0.0	22.7
<b>Street Side</b>	Lumens	16401.2	0.0	16401.2
	% Fixture	77.3	0.0	77.3
<b>Total</b>	Lumens	21215.0	0.0	21215.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	324.0	1.5
10°-20°	1025.4	4.8
20°-30°	1758.7	8.3
30°-40°	2617.4	12.3
40°-50°	3578.5	16.9
50°-60°	4298.5	20.3
60°-70°	4560.1	21.5
70°-80°	2785.7	13.1
80°-90°	266.8	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°	21215.0	100.0
0°-180°	21215.0	100.0

**Coefficient of Utilization**



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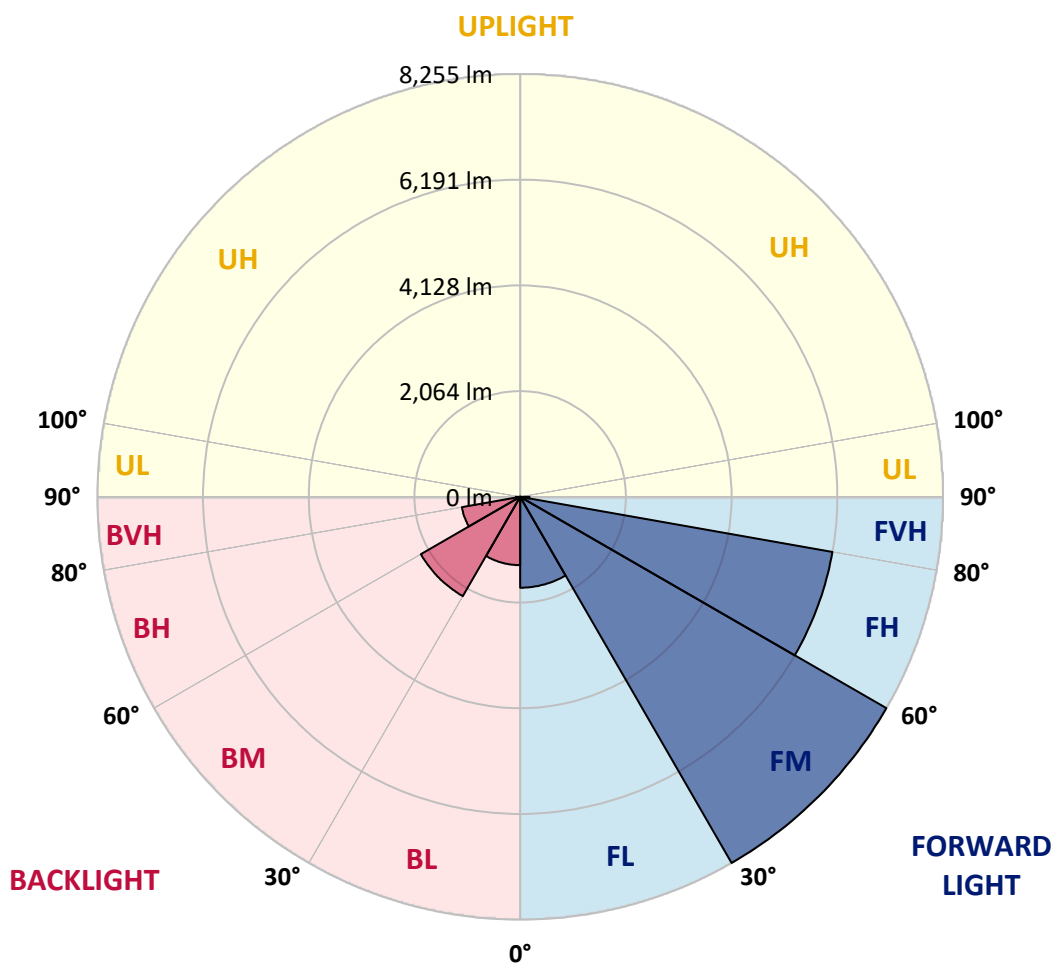
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1774.4	8.4			
FM (30°-60°)	8255.2	38.9			
FH (60°-80°)	6189.9	29.2			G3/7500
FVH (80°-90°)	181.7	0.9			G2/225
BL (0°-30°)	1333.7	6.3	B3/2500		
BM (30°-60°)	2239.2	10.6	B2/2500		
BH (60°-80°)	1155.8	5.4	B3/2500		G3/2500
BVH (80°-90°)	85.1	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°	3198.6	3198.6	3198.6	3198.6	3198.6	3198.6	3198.6	3198.6	3198.6	3198.6	3198.6
2.5°	3249.2	3264.7	3239.4	3222.5	3204.3	3214.1	3190.2	3190.2	3179.0	3197.2	3186.0
5°	3354.6	3368.7	3325.1	3290.0	3287.2	3257.7	3254.9	3240.8	3223.9	3239.4	3254.9
7.5°	3495.2	3489.6	3458.6	3417.9	3377.1	3360.3	3332.2	3311.1	3285.8	3299.8	3304.0
10°	3666.6	3656.8	3616.0	3551.4	3519.1	3472.7	3402.4	3363.1	3344.8	3358.9	3363.1
12.5°	3849.3	3836.7	3797.3	3725.7	3669.4	3596.4	3516.3	3453.0	3440.4	3426.3	3450.2
15°	4054.5	4032.0	3998.3	3940.7	3853.6	3758.0	3648.4	3587.9	3569.7	3545.8	3534.5
17.5°	4276.6	4273.8	4230.2	4167.0	4078.4	3946.3	3805.8	3711.6	3711.6	3701.8	3641.3
20°	4515.5	4504.2	4460.7	4425.5	4300.5	4161.3	3989.9	3870.4	3857.8	3838.1	3738.3
22.5°	4755.8	4757.2	4701.0	4674.3	4581.5	4403.1	4186.6	4067.2	4041.9	4015.2	3842.3
25°	4973.6	4976.4	4959.6	4910.4	4834.5	4670.1	4443.8	4285.0	4270.9	4234.4	4025.0
27.5°	5194.3	5229.4	5180.2	5185.9	5152.1	4963.8	4737.5	4545.0	4559.1	4478.9	4192.2
30°	5455.7	5468.3	5444.4	5451.5	5430.4	5306.7	5087.5	4931.5	4931.5	4840.1	4476.1
32.5°	5665.1	5653.8	5655.2	5728.3	5738.2	5670.7	5490.8	5440.2	5483.8	5472.5	5145.1
35°	5769.1	5788.8	5843.6	6010.8	6092.3	6051.6	6030.5	6097.9	6207.6	6277.8	5875.9
37.5°	5902.6	5963.0	6031.9	6218.8	6369.2	6481.6	6596.9	6818.9	6976.3	7067.7	6570.1
40°	6040.3	6045.9	6183.7	6415.6	6709.3	6887.8	7161.8	7544.1	7698.7	7629.8	6955.2
42.5°	5933.5	5947.6	6138.7	6551.9	6920.1	7376.8	7673.4	8114.7	8221.5	8012.1	7352.9
45°	5795.8	5822.5	6064.2	6551.9	7152.0	7825.2	8163.8	8655.7	8668.4	8385.9	7593.3
47.5°	5673.5	5696.0	5950.4	6501.3	7369.8	8218.7	8558.8	8959.3	9045.0	8690.9	7912.3
50°	5510.5	5566.7	5816.9	6456.3	7471.0	8492.7	8908.7	9324.7	9354.2	8979.0	8151.2
52.5°	5333.4	5382.6	5690.4	6372.0	7600.3	8719.0	9140.6	9676.0	9621.2	9364.0	8419.6
55°	5094.5	5138.1	5493.6	6237.1	7615.8	8841.2	9307.8	10002.1	10023.2	9684.5	8679.6
57.5°	4820.5	4893.5	5216.8	5986.9	7473.8	8877.8	9595.9	10443.4	10524.9	10080.8	8887.6
60°	4523.9	4581.5	4948.3	5721.3	7285.5	9015.5	9990.8	11015.4	11080.0	10426.5	8971.9
62.5°	4220.4	4268.1	4571.7	5322.2	6939.8	9042.2	10335.2	11590.2	11569.1	10734.3	9088.6
65°	3842.3	3846.5	4133.2	4840.1	6459.1	8851.1	10512.2	11823.5	11844.5	11014.0	8955.1
67.5°	3361.7	3388.4	3606.2	4278.0	5804.2	8370.4	10399.8	12024.4	12107.3	11186.8	8785.0
70°	2677.2	2692.7	2920.4	3545.8	4934.3	7627.0	10186.2	12055.3	12037.1	10963.4	8317.0
72.5°	1904.3	1963.3	2116.5	2493.1	3786.1	6242.7	9220.7	11101.1	11016.8	10100.5	7419.0
75°	1224.1	1229.7	1382.9	1628.8	2216.3	4425.5	7686.0	9569.2	9604.4	8761.1	6040.3
77.5°	404.7	456.7	507.3	687.2	919.1	1842.5	5188.7	7542.7	7649.5	6901.8	4122.0
80°	178.5	178.5	302.2	389.3	496.1	789.8	2070.1	3413.7	3741.1	3218.3	1588.1
82.5°	130.7	133.5	202.4	231.9	195.3	328.9	743.4	1093.4	1159.4	1041.4	631.0
85°	74.5	77.3	87.1	99.8	82.9	133.5	164.4	168.6	170.1	147.6	115.2
87.5°	33.7	33.7	30.9	26.7	15.5	9.8	9.8	7.0	8.4	7.0	5.6
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°	3198.6	3198.6	3198.6	3198.6	3198.6	3198.6	3198.6	3198.6	3198.6	3198.6	3198.6
2.5°	3181.8	3195.8	3226.8	3232.4	3246.4	3267.5	3294.2	3306.9	3349.0	3368.7	3374.3
5°	3257.7	3264.7	3318.1	3336.4	3399.6	3431.9	3460.0	3479.7	3531.7	3544.4	3566.9
7.5°	3315.3	3339.2	3403.8	3444.6	3483.9	3517.7	3514.9	3561.2	3587.9	3609.0	3617.4
10°	3374.3	3387.0	3453.0	3471.3	3500.8	3526.1	3533.1	3545.8	3552.8	3582.3	3592.1
12.5°	3465.7	3457.2	3465.7	3481.1	3505.0	3499.4	3514.9	3496.6	3506.4	3544.4	3530.3
15°	3533.1	3513.4	3476.9	3478.3	3462.9	3455.8	3433.3	3417.9	3416.5	3424.9	3439.0
17.5°	3609.0	3551.4	3483.9	3465.7	3408.0	3351.8	3312.5	3270.3	3263.3	3271.7	3261.9
20°	3675.1	3597.8	3481.1	3423.5	3311.1	3209.9	3152.3	3089.0	3086.2	3080.6	3069.3
22.5°	3755.2	3658.2	3479.7	3363.1	3229.6	3066.5	2947.1	2899.3	2841.7	2864.2	2861.4
25°	3874.6	3753.8	3492.4	3298.4	3082.0	2888.1	2734.9	2629.5	2571.8	2559.2	2564.8
27.5°	4022.2	3862.0	3499.4	3216.9	2947.1	2670.2	2427.1	2268.3	2233.1	2186.8	2191.0
30°	4237.2	4009.5	3533.1	3127.0	2748.9	2392.0	2102.4	1895.9	1836.8	1846.7	1849.5
32.5°	4744.6	4313.1	3557.0	3023.0	2531.1	2084.2	1706.1	1499.5	1453.2	1470.0	1479.9
35°	5410.7	4894.9	3687.7	2889.5	2283.7	1724.4	1308.4	1191.8	1201.6	1233.9	1242.4
37.5°	6071.2	5511.9	3975.8	2772.8	1967.5	1319.7	1044.2	975.3	1033.0	1063.9	1073.7
40°	6477.4	5922.3	4293.4	2592.9	1565.6	969.7	795.4	756.1	822.1	893.8	929.0
42.5°	6887.8	6258.2	4500.0	2373.7	1120.1	705.5	591.7	624.0	732.2	803.9	820.7
45°	7149.2	6431.0	4519.7	2025.2	746.3	546.7	539.7	608.5	719.6	777.2	787.0
47.5°	7403.5	6662.9	4436.8	1621.8	562.2	520.0	535.4	615.6	725.2	789.8	788.4
50°	7656.5	6890.6	4256.9	1287.3	531.2	503.1	543.9	629.6	735.0	784.2	784.2
52.5°	7811.1	7003.0	3895.7	1024.5	511.6	493.3	548.1	635.2	725.2	753.3	749.1
55°	7996.6	7029.7	3652.6	853.1	490.5	486.3	556.5	650.7	723.8	726.6	716.7
57.5°	8093.6	6963.7	3454.4	725.2	472.2	489.1	566.4	654.9	764.5	798.3	803.9
60°	8051.4	6883.5	3229.6	645.1	455.3	484.9	563.6	687.2	891.0	961.3	948.6
62.5°	8010.7	6733.2	2851.5	579.0	437.1	487.7	560.7	761.7	1047.0	973.9	934.6
65°	7863.1	6421.2	2359.6	515.8	414.6	489.1	555.1	841.8	1072.3	983.8	916.3
67.5°	7458.3	5901.2	1866.3	448.3	387.9	469.4	542.5	791.2	858.7	773.0	736.4
70°	6855.4	5147.9	1280.3	387.9	355.6	445.5	534.0	749.1	806.7	746.3	699.9
72.5°	5882.9	4044.7	709.7	324.6	312.0	416.0	532.6	739.2	812.3	639.4	588.9
75°	4473.3	2682.9	461.0	254.4	255.8	371.0	507.3	705.5	787.0	601.5	532.6
77.5°	2635.1	1129.9	321.8	181.3	199.6	288.1	451.1	676.0	744.9	588.9	532.6
80°	895.2	497.5	209.4	122.3	122.3	184.1	321.8	552.3	663.3	573.4	567.8
82.5°	465.2	316.2	133.5	75.9	70.3	88.5	198.2	379.5	532.6	486.3	553.7
85°	92.8	66.1	42.2	30.9	33.7	45.0	70.3	192.5	337.3	375.2	449.7
87.5°	7.0	5.6	8.4	8.4	8.4	8.4	9.8	47.8	134.9	165.8	205.2
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)