

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: P553539

Luminaire Tested: **VERD-G-CA2-140-760-U-T3**

Issue Date: 7/12/2021

Test Information

Test Method: LM-79-08
Report Number: P553539
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-CA2-140-760-U-T3
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 5700K, 1290mA LEDS AND TYPE III OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20419 lumens
Efficiency: N/A
Efficacy: 143.4 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

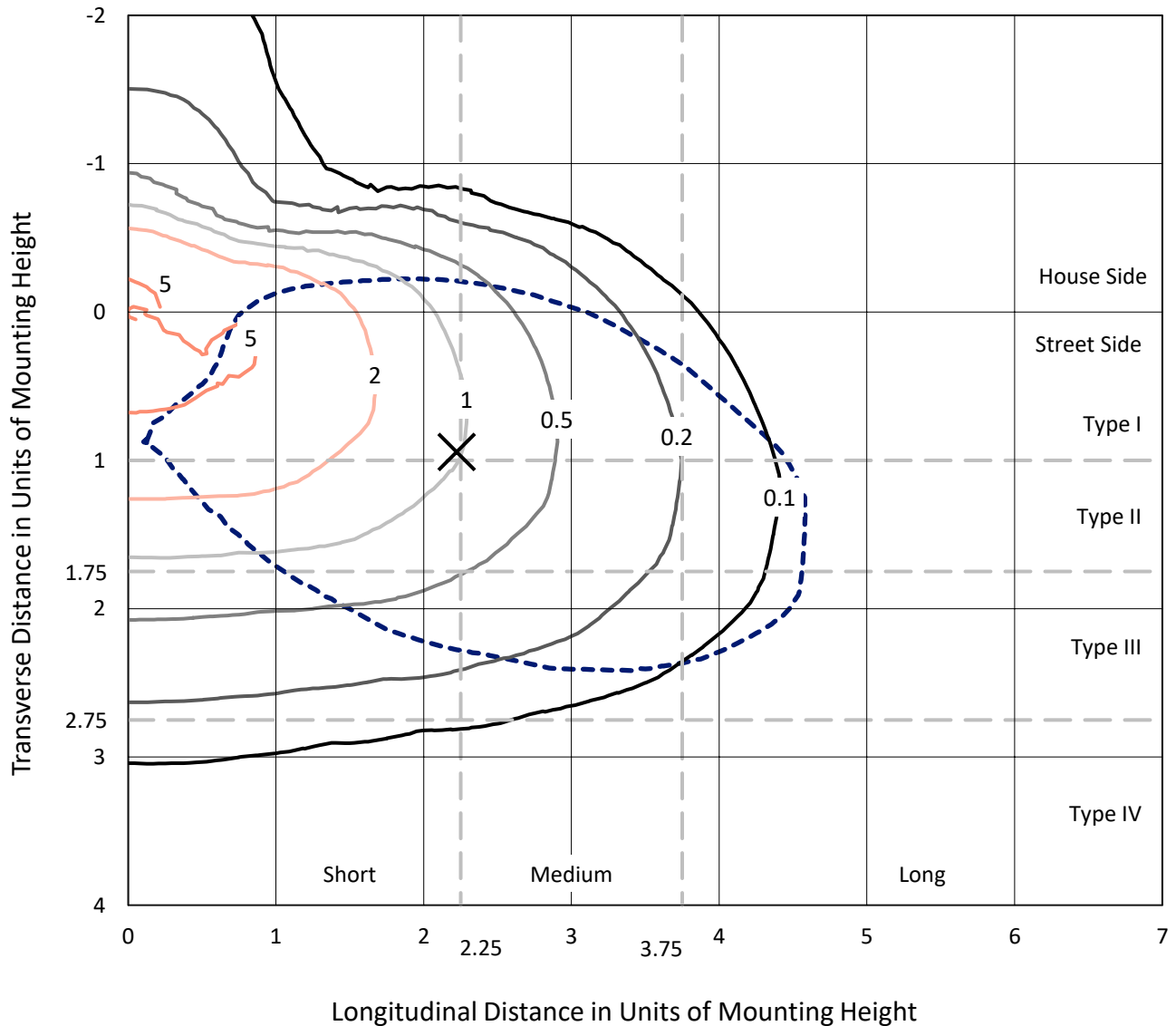
Input Watts (W): 142.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P553539
 CATALOG NUMBER: VERD-G-CA2-140-760-U-T3

Iso-Footcandle Lines of Horizontal Illumination

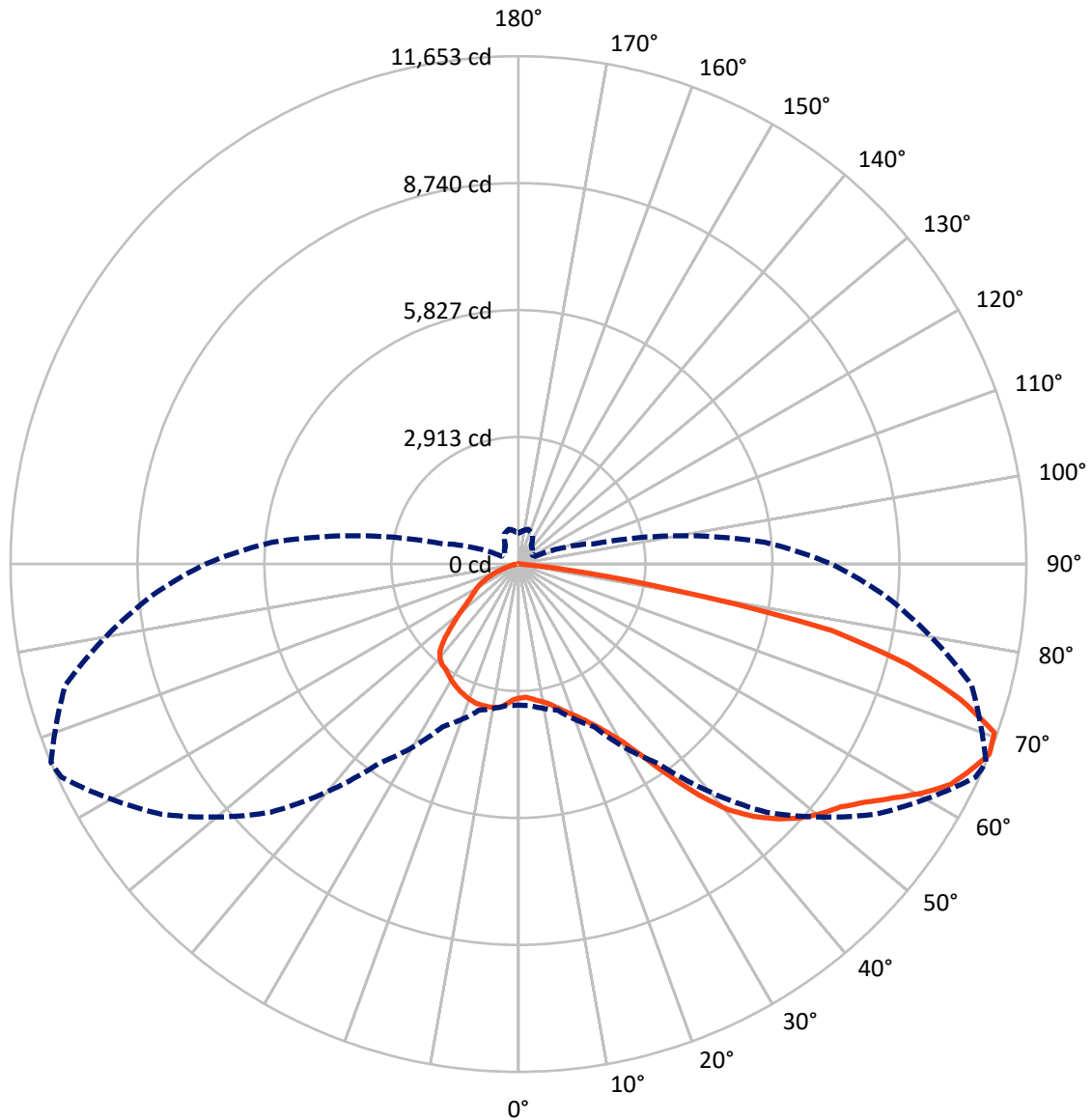
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.8 fc
 Type III - Short - N/A

REPORT NUMBER: P553539
CATALOG NUMBER: VERD-G-CA2-140-760-U-T3

Luminous Intensity Polar Plot



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

REPORT NUMBER: P553539

CATALOG NUMBER: VERD-G-CA2-140-760-U-T3

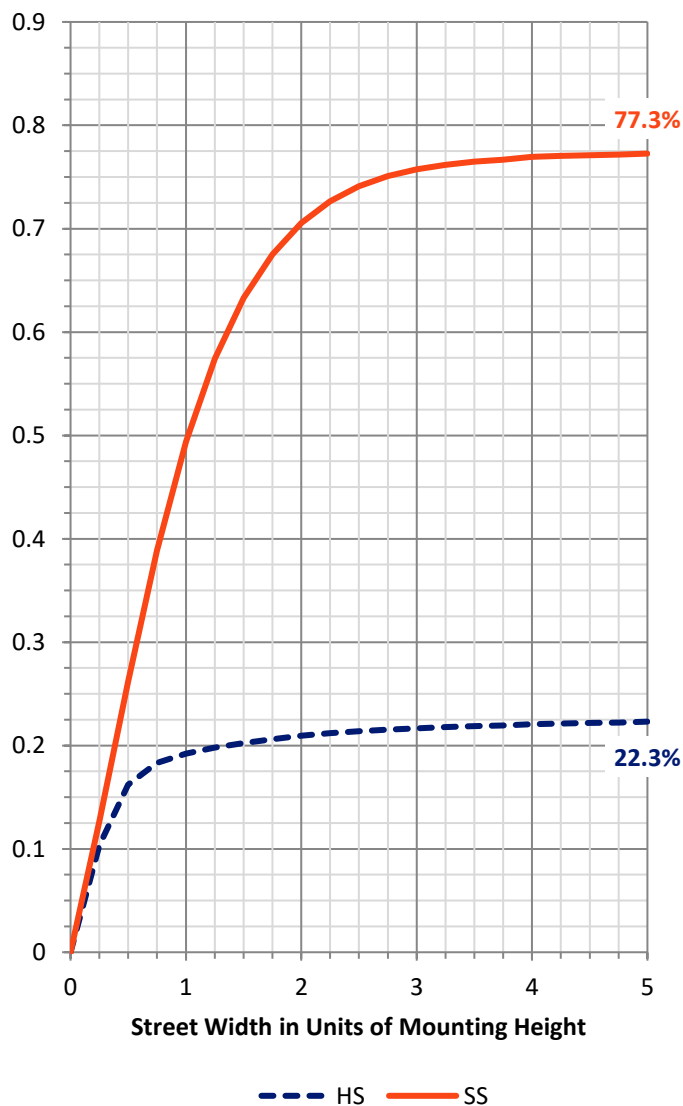
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4633.2	0.0	4633.2
	% Fixture	22.7	0.0	22.7
Street Side	Lumens	15785.8	0.0	15785.8
	% Fixture	77.3	0.0	77.3
Total	Lumens	20419.0	0.0	20419.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	311.8	1.5
10°-20°	987.0	4.8
20°-30°	1692.7	8.3
30°-40°	2519.2	12.3
40°-50°	3444.3	16.9
50°-60°	4137.2	20.3
60°-70°	4389.0	21.5
70°-80°	2681.2	13.1
80°-90°	256.8	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°	20419.0	100.0
0°-180°	20419.0	100.0

Coefficient of Utilization



REPORT NUMBER: P553539

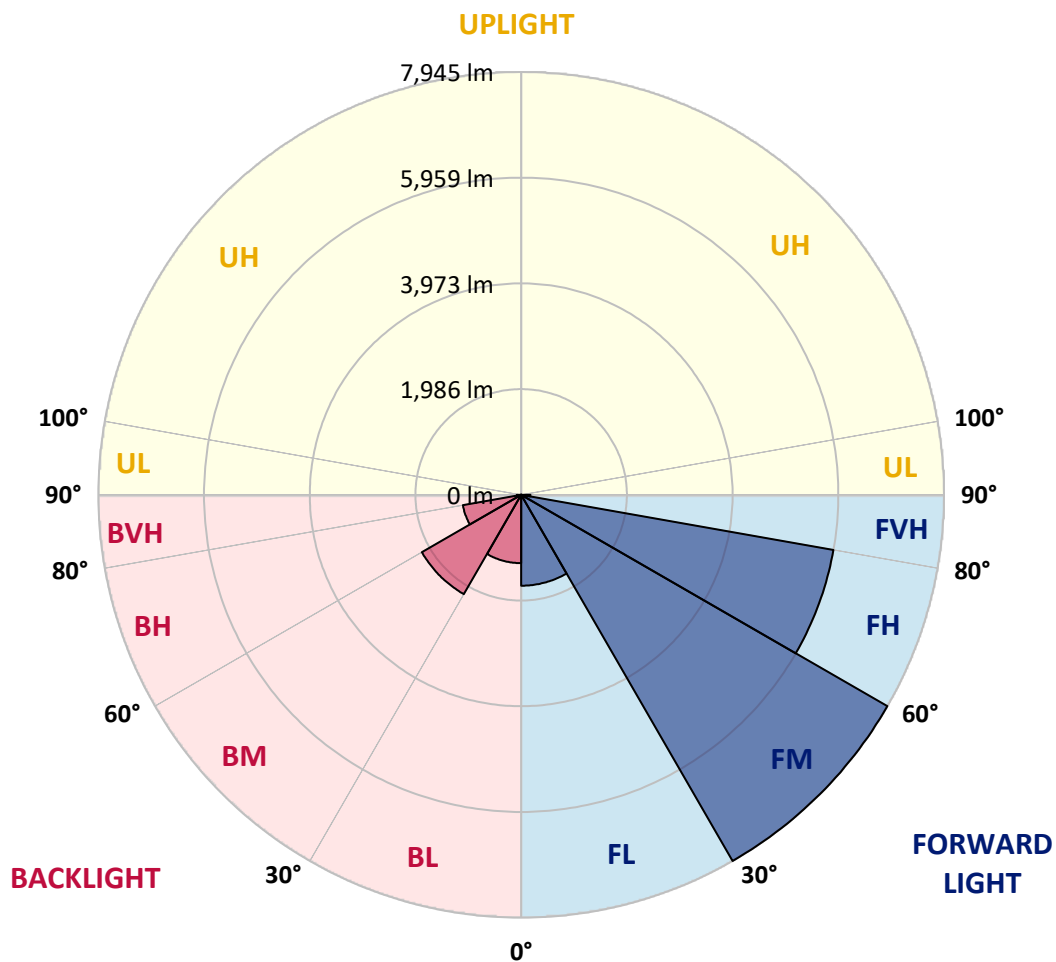
CATALOG NUMBER: VERD-G-CA2-140-760-U-T3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1707.9	8.4			
FM (30°-60°)	7945.5	38.9			
FH (60°-80°)	5957.7	29.2			G3/7500
FVH (80°-90°)	174.8	0.9			G2/225
BL (0°-30°)	1283.6	6.3	B3/2500		
BM (30°-60°)	2155.2	10.6	B2/2500		
BH (60°-80°)	1112.4	5.4	B3/2500		G3/2500
BVH (80°-90°)	81.9	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: P553539

CATALOG NUMBER: VERD-G-CA2-140-760-U-T3

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	3078.6	3078.6	3078.6	3078.6	3078.6	3078.6	3078.6	3078.6	3078.6	3078.6	3078.6
2.5°	3127.3	3142.2	3117.9	3101.6	3084.0	3093.5	3070.5	3070.5	3059.7	3077.3	3066.5
5°	3228.8	3242.3	3200.4	3166.6	3163.8	3135.4	3132.7	3119.2	3103.0	3117.9	3132.7
7.5°	3364.0	3358.6	3328.9	3289.6	3250.4	3234.2	3207.1	3186.8	3162.5	3176.0	3180.1
10°	3529.1	3519.6	3480.4	3418.1	3387.0	3342.4	3274.8	3236.9	3219.3	3232.8	3236.9
12.5°	3704.9	3692.7	3654.9	3585.9	3531.8	3461.4	3384.3	3323.5	3311.3	3297.8	3320.8
15°	3902.4	3880.7	3848.3	3792.8	3709.0	3617.0	3511.5	3453.3	3435.7	3412.7	3401.9
17.5°	4116.1	4113.4	4071.5	4010.6	3925.4	3798.2	3663.0	3572.3	3572.3	3562.9	3504.7
20°	4346.1	4335.2	4293.3	4259.5	4139.1	4005.2	3840.2	3725.2	3713.0	3694.1	3598.0
22.5°	4577.4	4578.7	4524.6	4498.9	4409.6	4237.8	4029.5	3914.6	3890.2	3864.5	3698.1
25°	4787.0	4789.7	4773.5	4726.2	4653.1	4494.9	4277.1	4124.2	4110.7	4075.5	3874.0
27.5°	4999.4	5033.2	4985.9	4991.3	4958.8	4777.6	4559.8	4374.5	4388.0	4310.9	4035.0
30°	5251.0	5263.2	5240.2	5246.9	5226.6	5107.6	4896.6	4746.4	4746.4	4658.5	4308.2
32.5°	5452.5	5441.7	5443.1	5513.4	5522.9	5457.9	5284.8	5236.1	5278.0	5267.2	4952.0
35°	5552.6	5571.6	5624.3	5785.3	5863.7	5824.5	5804.2	5869.1	5974.6	6042.3	5655.4
37.5°	5681.1	5739.3	5805.6	5985.5	6130.2	6238.4	6349.3	6563.1	6714.5	6802.5	6323.6
40°	5813.7	5819.1	5951.7	6174.8	6457.5	6629.3	6893.1	7261.0	7409.8	7343.5	6694.3
42.5°	5710.9	5724.4	5908.4	6306.0	6660.4	7100.1	7385.5	7810.2	7913.0	7711.5	7077.1
45°	5578.3	5604.0	5836.7	6306.0	6883.6	7531.5	7857.5	8331.0	8343.1	8071.3	7308.4
47.5°	5460.6	5482.3	5727.1	6257.4	7093.3	7910.3	8237.6	8623.1	8705.6	8364.8	7615.4
50°	5303.7	5357.8	5598.6	6214.1	7190.7	8174.1	8574.4	8974.8	9003.2	8642.1	7845.4
52.5°	5133.3	5180.6	5476.9	6132.9	7315.1	8391.8	8797.6	9313.0	9260.2	9012.7	8103.7
55°	4903.4	4945.3	5287.5	6003.1	7330.0	8509.5	8958.6	9626.8	9647.1	9321.1	8354.0
57.5°	4639.6	4709.9	5021.0	5762.3	7193.4	8544.7	9235.9	10051.5	10130.0	9702.5	8554.2
60°	4354.2	4409.6	4762.7	5506.6	7012.1	8677.2	9616.0	10602.1	10664.3	10035.3	8635.3
62.5°	4062.0	4108.0	4400.2	5122.5	6679.4	8702.9	9947.4	11155.3	11135.0	10331.5	8747.6
65°	3698.1	3702.2	3978.1	4658.5	6216.8	8519.0	10117.8	11379.8	11400.1	10600.7	8619.1
67.5°	3235.5	3261.2	3470.9	4117.5	5586.4	8056.4	10009.6	11573.3	11653.1	10767.1	8455.4
70°	2576.8	2591.7	2810.8	3412.7	4749.1	7340.8	9804.0	11603.0	11585.4	10552.0	8005.0
72.5°	1832.8	1889.7	2037.1	2399.6	3644.0	6008.5	8874.7	10684.6	10603.4	9721.5	7140.6
75°	1178.2	1183.6	1331.0	1567.7	2133.1	4259.5	7397.6	9210.2	9244.0	8432.4	5813.7
77.5°	389.6	439.6	488.3	661.4	884.6	1773.3	4994.0	7259.7	7362.5	6642.9	3967.3
80°	171.8	171.8	290.8	374.7	477.5	760.2	1992.5	3285.6	3600.8	3097.6	1528.5
82.5°	125.8	128.5	194.8	223.2	188.0	316.5	715.6	1052.4	1115.9	1002.3	607.3
85°	71.7	74.4	83.9	96.0	79.8	128.5	158.3	162.3	163.7	142.0	110.9
87.5°	32.5	32.5	29.8	25.7	14.9	9.5	9.5	6.8	8.1	6.8	5.4
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: P553539
 CATALOG NUMBER: VERD-G-CA2-140-760-U-T3

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3078.6	3078.6	3078.6	3078.6	3078.6	3078.6	3078.6	3078.6	3078.6	3078.6	3078.6
2.5°	3062.4	3075.9	3105.7	3111.1	3124.6	3144.9	3170.6	3182.8	3223.4	3242.3	3247.7
5°	3135.4	3142.2	3193.6	3211.2	3272.1	3303.2	3330.2	3349.2	3399.2	3411.4	3433.0
7.5°	3190.9	3213.9	3276.1	3315.3	3353.2	3385.7	3383.0	3427.6	3453.3	3473.6	3481.7
10°	3247.7	3259.9	3323.5	3341.0	3369.4	3393.8	3400.6	3412.7	3419.5	3447.9	3457.4
12.5°	3335.6	3327.5	3335.6	3350.5	3373.5	3368.1	3383.0	3365.4	3374.9	3411.4	3397.9
15°	3400.6	3381.6	3346.5	3347.8	3332.9	3326.2	3304.5	3289.6	3288.3	3296.4	3309.9
17.5°	3473.6	3418.1	3353.2	3335.6	3280.2	3226.1	3188.2	3147.6	3140.9	3149.0	3139.5
20°	3537.2	3462.8	3350.5	3295.1	3186.8	3089.4	3034.0	2973.1	2970.4	2965.0	2954.2
22.5°	3614.3	3520.9	3349.2	3236.9	3108.4	2951.5	2836.5	2790.5	2735.1	2756.7	2754.0
25°	3729.3	3612.9	3361.3	3174.7	2966.4	2779.7	2632.3	2530.8	2475.3	2463.2	2468.6
27.5°	3871.3	3717.1	3368.1	3096.2	2836.5	2570.0	2336.0	2183.2	2149.4	2104.7	2108.8
30°	4078.2	3859.1	3400.6	3009.6	2645.8	2302.2	2023.6	1824.7	1767.9	1777.4	1780.1
32.5°	4566.5	4151.3	3423.6	2909.5	2436.1	2006.0	1642.1	1443.3	1398.6	1414.9	1424.3
35°	5207.7	4711.3	3549.4	2781.0	2198.1	1659.7	1259.3	1147.0	1156.5	1187.6	1195.7
37.5°	5843.4	5305.1	3826.6	2668.8	1893.7	1270.1	1005.0	938.7	994.2	1024.0	1033.4
40°	6234.4	5700.1	4132.3	2495.6	1506.9	933.3	765.6	727.7	791.3	860.3	894.1
42.5°	6629.3	6023.3	4331.2	2284.6	1078.1	679.0	569.5	600.6	704.7	773.7	789.9
45°	6880.9	6189.7	4350.1	1949.2	718.3	526.2	519.4	585.7	692.6	748.0	757.5
47.5°	7125.8	6412.9	4270.3	1561.0	541.1	500.5	515.4	592.5	698.0	760.2	758.8
50°	7369.2	6632.0	4097.2	1239.0	511.3	484.2	523.5	606.0	707.4	754.8	754.8
52.5°	7518.0	6740.2	3749.5	986.1	492.4	474.8	527.5	611.4	698.0	725.0	721.0
55°	7696.6	6765.9	3515.5	821.1	472.1	468.0	535.6	626.3	696.6	699.3	689.9
57.5°	7789.9	6702.4	3324.8	698.0	454.5	470.7	545.1	630.3	735.8	768.3	773.7
60°	7749.3	6625.3	3108.4	620.9	438.3	466.7	542.4	661.4	857.6	925.2	913.0
62.5°	7710.1	6480.5	2744.5	557.3	420.7	469.4	539.7	733.1	1007.7	937.4	899.5
65°	7568.1	6180.3	2271.1	496.4	399.0	470.7	534.3	810.2	1032.1	946.9	881.9
67.5°	7178.5	5679.8	1796.3	431.5	373.3	451.8	522.1	761.5	826.5	744.0	708.8
70°	6598.2	4954.8	1232.3	373.3	342.2	428.8	514.0	721.0	776.4	718.3	673.6
72.5°	5662.2	3892.9	683.1	312.5	300.3	400.4	512.7	711.5	781.8	615.5	566.8
75°	4305.5	2582.2	443.7	244.8	246.2	357.1	488.3	679.0	757.5	578.9	512.7
77.5°	2536.2	1087.5	309.8	174.5	192.1	277.3	434.2	650.6	716.9	566.8	512.7
80°	861.6	478.8	201.5	117.7	117.7	177.2	309.8	531.6	638.5	551.9	546.5
82.5°	447.7	304.3	128.5	73.0	67.6	85.2	190.7	365.2	512.7	468.0	532.9
85°	89.3	63.6	40.6	29.8	32.5	43.3	67.6	185.3	324.6	361.2	432.8
87.5°	6.8	5.4	8.1	8.1	8.1	8.1	9.5	46.0	129.9	159.6	197.5
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)