

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: P509615

Luminaire Tested: **VERD-G-CA2-130-750-U-T3**

Issue Date: 4/6/2021

Test Information

Test Method: LM-79-08
Report Number: P509615
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-155-4)
Test Lab: INNOVATION CENTER
Issue Date: 4/6/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: VERD-G-CA2-130-750-U-T3
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 5000K, 1200mA LEDS AND TYPE III OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19057 lumens
Efficiency: N/A
Efficacy: 142.3 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

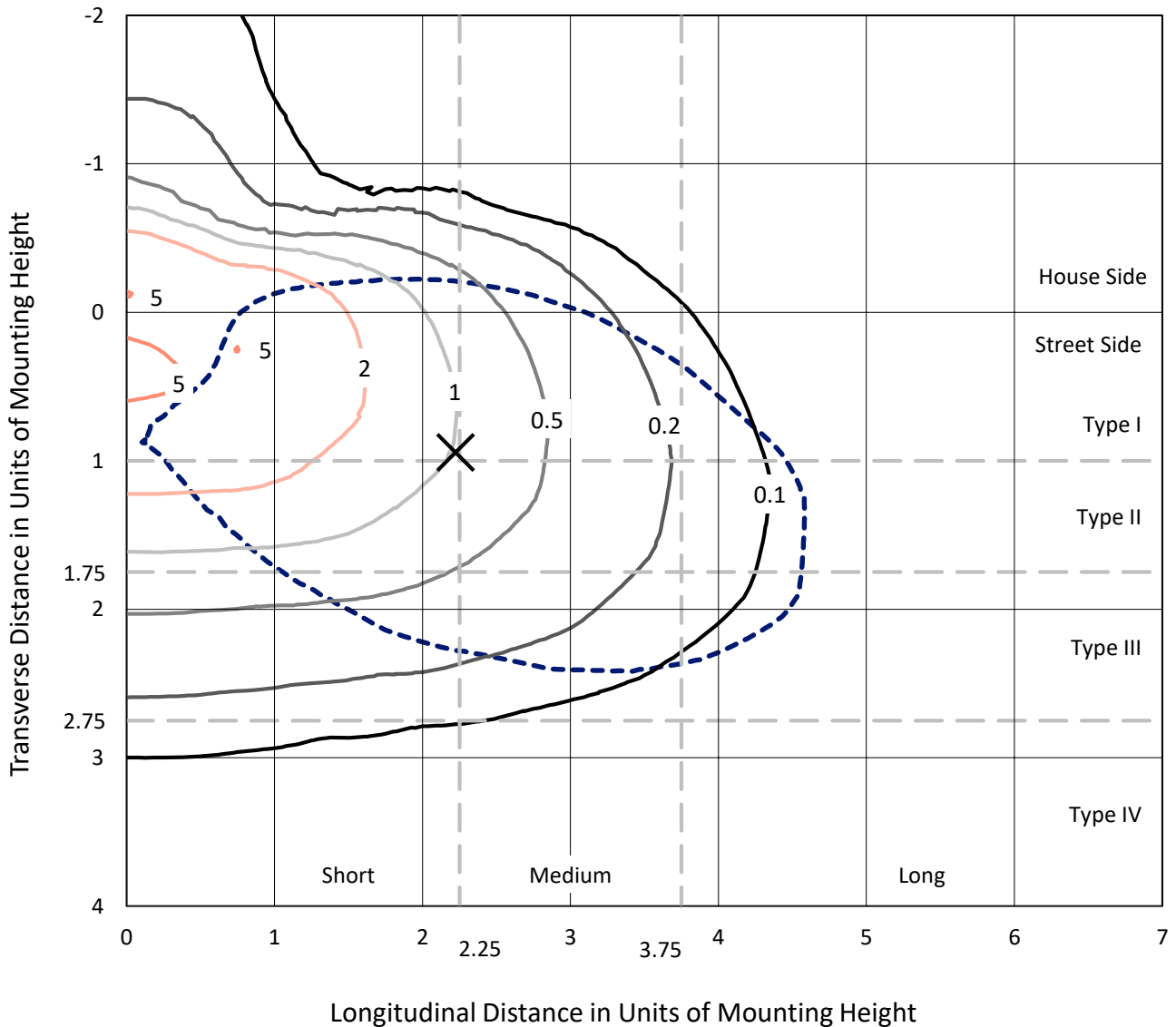
Input Watts (W): 133.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P509615
 CATALOG NUMBER: VERD-G-CA2-130-750-U-T3

Iso-Footcandle Lines of Horizontal Illumination

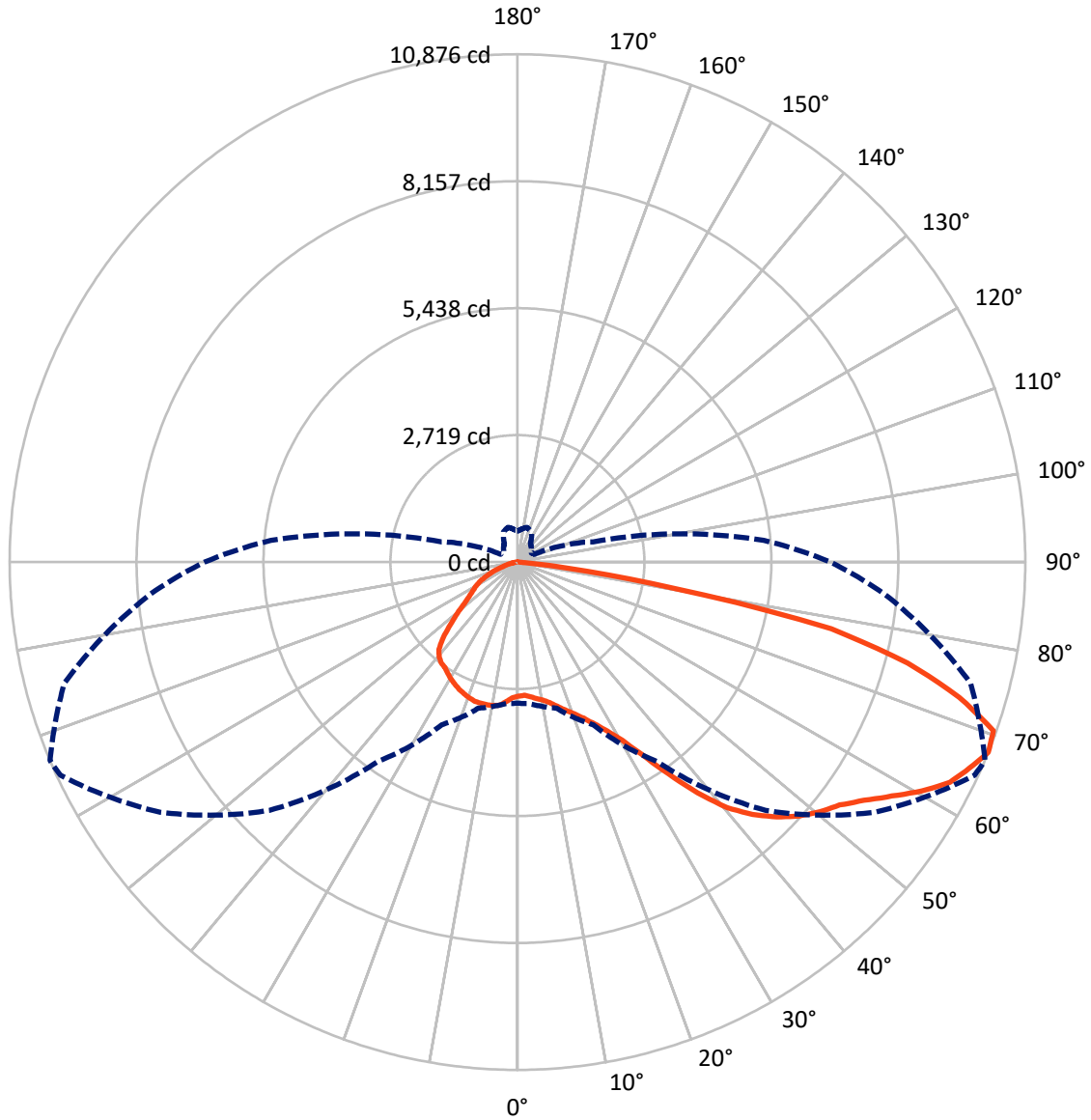
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.4 fc
 Type III - Short - N/A

REPORT NUMBER: P509615
CATALOG NUMBER: VERD-G-CA2-130-750-U-T3

Luminous Intensity Polar Plot



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

REPORT NUMBER: P509615

CATALOG NUMBER: VERD-G-CA2-130-750-U-T3

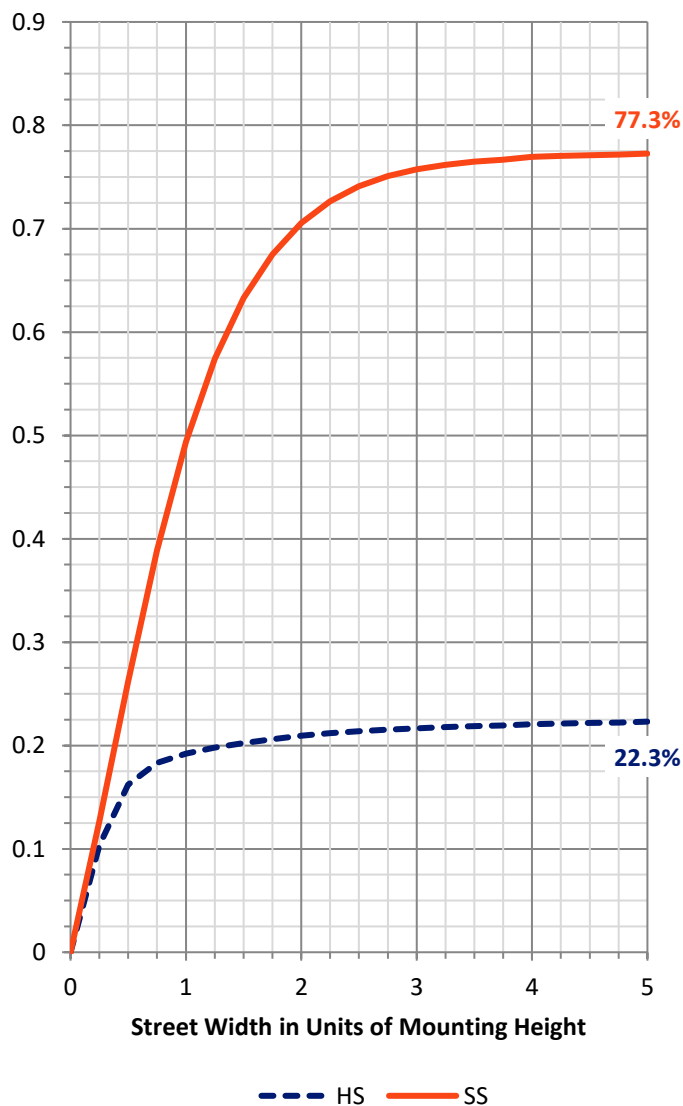
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4324.1	0.0	4324.1
	% Fixture	22.7	0.0	22.7
Street Side	Lumens	14732.9	0.0	14732.9
	% Fixture	77.3	0.0	77.3
Total	Lumens	19057.0	0.0	19057.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	291.0	1.5
10°-20°	921.1	4.8
20°-30°	1579.8	8.3
30°-40°	2351.1	12.3
40°-50°	3214.5	16.9
50°-60°	3861.2	20.3
60°-70°	4096.2	21.5
70°-80°	2502.3	13.1
80°-90°	239.6	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°	19057.0	100.0
0°-180°	19057.0	100.0

Coefficient of Utilization



REPORT NUMBER: P509615

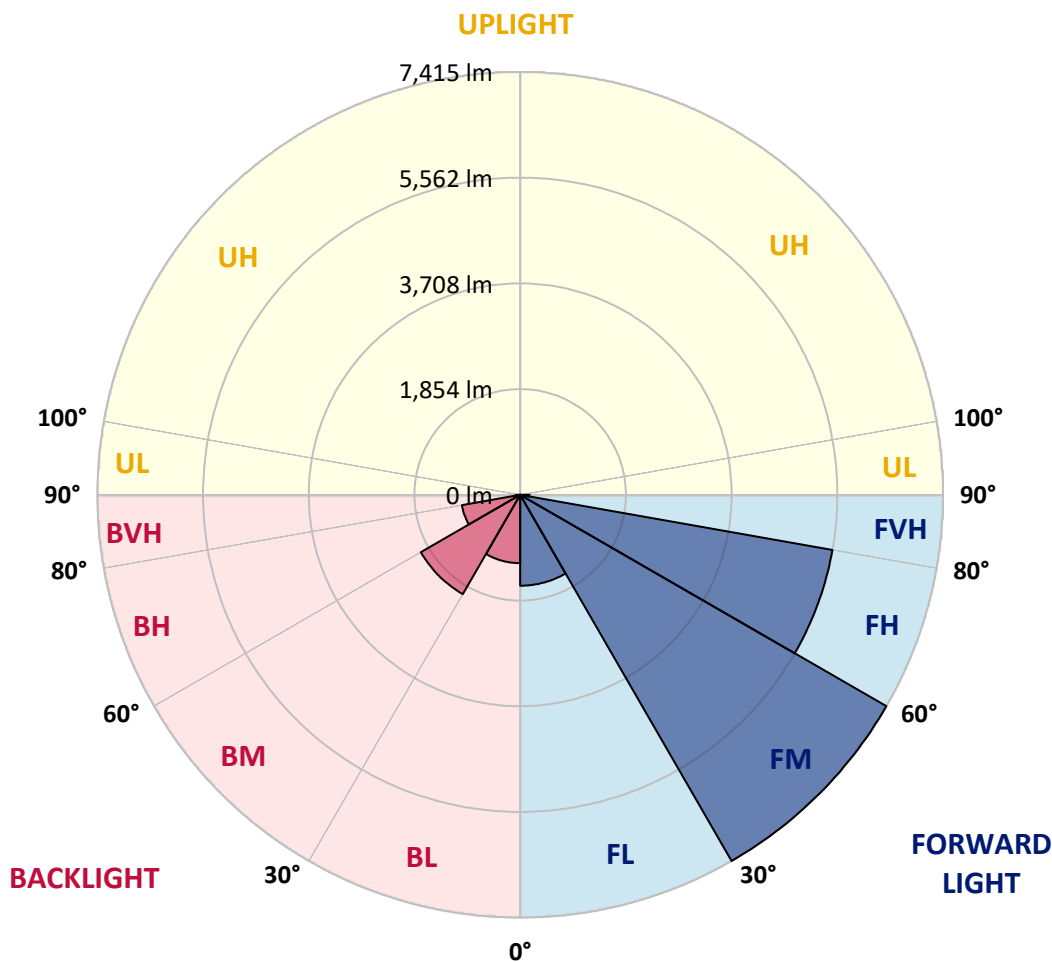
CATALOG NUMBER: VERD-G-CA2-130-750-U-T3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1593.9	8.4			
FM (30°-60°)	7415.5	38.9			
FH (60°-80°)	5560.3	29.2			G3/7500
FVH (80°-90°)	163.2	0.9			G2/225
BL (0°-30°)	1198.0	6.3	B3/2500		
BM (30°-60°)	2011.4	10.6	B2/2500		
BH (60°-80°)	1038.2	5.4	B3/2500		G3/2500
BVH (80°-90°)	76.5	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: P509615

CATALOG NUMBER: VERD-G-CA2-130-750-U-T3

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	2873.3	2873.3	2873.3	2873.3	2873.3	2873.3	2873.3	2873.3	2873.3	2873.3	2873.3
2.5°	2918.7	2932.6	2909.9	2894.7	2878.3	2887.2	2865.7	2865.7	2855.6	2872.0	2861.9
5°	3013.4	3026.0	2986.9	2955.3	2952.8	2926.3	2923.8	2911.1	2896.0	2909.9	2923.8
7.5°	3139.6	3134.6	3106.8	3070.2	3033.6	3018.5	2993.2	2974.3	2951.5	2964.2	2968.0
10°	3293.7	3284.8	3248.2	3190.1	3161.1	3119.4	3056.3	3021.0	3004.6	3017.2	3021.0
12.5°	3457.8	3446.4	3411.1	3346.7	3296.2	3230.5	3158.6	3101.8	3090.4	3077.8	3099.2
15°	3642.1	3621.9	3591.6	3539.8	3461.6	3375.7	3277.3	3223.0	3206.6	3185.1	3175.0
17.5°	3841.6	3839.0	3799.9	3743.1	3663.6	3544.9	3418.6	3334.1	3334.1	3325.2	3270.9
20°	4056.2	4046.1	4006.9	3975.4	3863.0	3738.0	3584.0	3476.7	3465.4	3447.7	3358.0
22.5°	4272.0	4273.3	4222.8	4198.8	4115.5	3955.2	3760.8	3653.5	3630.7	3606.7	3451.5
25°	4467.7	4470.2	4455.1	4410.9	4342.7	4195.0	3991.8	3849.1	3836.5	3803.7	3615.6
27.5°	4665.9	4697.5	4653.3	4658.3	4628.0	4458.9	4255.6	4082.7	4095.3	4023.3	3765.8
30°	4900.7	4912.1	4890.6	4896.9	4878.0	4766.9	4570.0	4429.8	4429.8	4347.8	4020.8
32.5°	5088.8	5078.7	5080.0	5145.6	5154.5	5093.9	4932.3	4886.8	4926.0	4915.9	4621.7
35°	5182.2	5199.9	5249.2	5399.4	5472.6	5436.0	5417.1	5477.7	5576.1	5639.2	5278.2
37.5°	5302.2	5356.5	5418.3	5586.2	5721.3	5822.3	5925.8	6125.3	6266.7	6348.7	5901.8
40°	5425.9	5430.9	5554.7	5763.0	6026.8	6187.1	6433.3	6776.7	6915.6	6853.7	6247.7
42.5°	5330.0	5342.6	5514.3	5885.4	6216.2	6626.5	6892.8	7289.2	7385.2	7197.1	6605.0
45°	5206.2	5230.2	5447.4	5885.4	6424.5	7029.2	7333.4	7775.3	7786.6	7532.9	6820.9
47.5°	5096.4	5116.6	5345.1	5840.0	6620.1	7382.7	7688.2	8048.0	8125.0	7806.8	7107.4
50°	4950.0	5000.5	5225.2	5799.6	6711.0	7628.8	8002.5	8376.2	8402.7	8065.6	7322.1
52.5°	4790.9	4835.1	5111.6	5723.8	6827.2	7832.1	8210.8	8691.8	8642.6	8411.5	7563.2
55°	4576.3	4615.4	4934.8	5602.6	6841.1	7941.9	8361.0	8984.7	9003.6	8699.4	7796.7
57.5°	4330.1	4395.8	4686.1	5377.9	6713.6	7974.7	8619.8	9381.1	9454.3	9055.4	7983.6
60°	4063.7	4115.5	4445.0	5139.3	6544.4	8098.4	8974.6	9894.9	9952.9	9365.9	8059.3
62.5°	3791.1	3834.0	4106.7	4780.8	6233.8	8122.4	9283.9	10411.2	10392.3	9642.4	8164.1
65°	3451.5	3455.3	3712.8	4347.8	5802.1	7950.7	9442.9	10620.8	10639.7	9893.6	8044.2
67.5°	3019.7	3043.7	3239.4	3842.8	5213.8	7519.0	9341.9	10801.3	10875.8	10048.9	7891.4
70°	2404.9	2418.8	2623.3	3185.1	4432.4	6851.2	9150.0	10829.1	10812.7	9848.2	7471.0
72.5°	1710.6	1763.6	1901.2	2239.5	3401.0	5607.7	8282.8	9971.9	9896.1	9073.0	6664.3
75°	1099.6	1104.6	1242.2	1463.1	1990.8	3975.4	6904.2	8595.8	8627.4	7869.9	5425.9
77.5°	363.6	410.3	455.7	617.3	825.6	1655.0	4660.9	6775.4	6871.4	6199.8	3702.7
80°	160.3	160.3	271.4	349.7	445.6	709.5	1859.5	3066.4	3360.6	2891.0	1426.5
82.5°	117.4	119.9	181.8	208.3	175.5	295.4	667.8	982.2	1041.5	935.5	566.8
85°	66.9	69.4	78.3	89.6	74.5	119.9	147.7	151.5	152.8	132.6	103.5
87.5°	30.3	30.3	27.8	24.0	13.9	8.8	8.8	6.3	7.6	6.3	5.0
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: P509615
 CATALOG NUMBER: VERD-G-CA2-130-750-U-T3

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2873.3	2873.3	2873.3	2873.3	2873.3	2873.3	2873.3	2873.3	2873.3	2873.3	2873.3
2.5°	2858.1	2870.8	2898.5	2903.6	2916.2	2935.1	2959.1	2970.5	3008.4	3026.0	3031.1
5°	2926.3	2932.6	2980.6	2997.0	3053.8	3082.8	3108.1	3125.8	3172.5	3183.8	3204.0
7.5°	2978.1	2999.5	3057.6	3094.2	3129.5	3159.8	3157.3	3199.0	3223.0	3241.9	3249.5
10°	3031.1	3042.4	3101.8	3118.2	3144.7	3167.4	3173.7	3185.1	3191.4	3217.9	3226.8
12.5°	3113.1	3105.6	3113.1	3127.0	3148.5	3143.4	3157.3	3140.9	3149.7	3183.8	3171.2
15°	3173.7	3156.1	3123.2	3124.5	3110.6	3104.3	3084.1	3070.2	3069.0	3076.5	3089.2
17.5°	3241.9	3190.1	3129.5	3113.1	3061.4	3010.9	2975.5	2937.7	2931.3	2938.9	2930.1
20°	3301.2	3231.8	3127.0	3075.3	2974.3	2883.4	2831.6	2774.8	2772.3	2767.2	2757.1
22.5°	3373.2	3286.1	3125.8	3021.0	2901.0	2754.6	2647.3	2604.4	2552.6	2572.8	2570.3
25°	3480.5	3371.9	3137.1	2962.9	2768.5	2594.3	2456.7	2362.0	2310.2	2298.9	2303.9
27.5°	3613.1	3469.1	3143.4	2889.7	2647.3	2398.6	2180.2	2037.6	2006.0	1964.3	1968.1
30°	3806.2	3601.7	3173.7	2808.9	2469.3	2148.6	1888.6	1703.0	1650.0	1658.8	1661.3
32.5°	4261.9	3874.4	3195.2	2715.5	2273.6	1872.2	1532.6	1347.0	1305.3	1320.5	1329.3
35°	4860.3	4397.0	3312.6	2595.5	2051.4	1549.0	1175.3	1070.5	1079.4	1108.4	1116.0
37.5°	5453.7	4951.2	3571.4	2490.8	1767.4	1185.4	938.0	876.1	927.9	955.7	964.5
40°	5818.5	5319.9	3856.7	2329.2	1406.3	871.1	714.5	679.2	738.5	802.9	834.5
42.5°	6187.1	5621.6	4042.3	2132.2	1006.2	633.7	531.5	560.5	657.7	722.1	737.3
45°	6421.9	5776.9	4060.0	1819.2	670.3	491.1	484.8	546.6	646.4	698.1	707.0
47.5°	6650.4	5985.2	3985.5	1456.8	505.0	467.1	481.0	552.9	651.4	709.5	708.2
50°	6877.7	6189.7	3823.9	1156.4	477.2	451.9	488.6	565.6	660.2	704.4	704.4
52.5°	7016.6	6290.7	3499.4	920.3	459.5	443.1	492.3	570.6	651.4	676.7	672.9
55°	7183.2	6314.6	3281.0	766.3	440.6	436.8	499.9	584.5	650.1	652.7	643.8
57.5°	7270.3	6255.3	3103.0	651.4	424.2	439.3	508.8	588.3	686.8	717.1	722.1
60°	7232.4	6183.4	2901.0	579.5	409.0	435.5	506.2	617.3	800.4	863.5	852.1
62.5°	7195.8	6048.3	2561.5	520.1	392.6	438.1	503.7	684.2	940.5	874.9	839.5
65°	7063.3	5768.0	2119.6	463.3	372.4	439.3	498.7	756.2	963.2	883.7	823.1
67.5°	6699.7	5300.9	1676.5	402.7	348.4	421.6	487.3	710.7	771.3	694.3	661.5
70°	6158.1	4624.3	1150.1	348.4	319.4	400.2	479.7	672.9	724.6	670.3	628.7
72.5°	5284.5	3633.3	637.5	291.6	280.3	373.7	478.5	664.0	729.7	574.4	529.0
75°	4018.3	2410.0	414.1	228.5	229.8	333.3	455.7	633.7	707.0	540.3	478.5
77.5°	2367.0	1015.0	289.1	162.9	179.3	258.8	405.2	607.2	669.1	529.0	478.5
80°	804.2	446.9	188.1	109.8	109.8	165.4	289.1	496.1	595.9	515.1	510.0
82.5°	417.9	284.0	119.9	68.2	63.1	79.5	178.0	340.9	478.5	436.8	497.4
85°	83.3	59.3	37.9	27.8	30.3	40.4	63.1	173.0	303.0	337.1	404.0
87.5°	6.3	5.0	7.6	7.6	7.6	7.6	8.8	42.9	121.2	149.0	184.3
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)