

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: P509605

Luminaire Tested: **VERD-G-CA2-130-740-U-T2**

Issue Date: 4/6/2021

Test Information

Test Method: LM-79-08
Report Number: P509605
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-155-2)
Test Lab: INNOVATION CENTER
Issue Date: 4/6/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: VERD-G-CA2-130-740-U-T2
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 4000K, 1200mA LEDS AND TYPE II OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18905 lumens
Efficiency: N/A
Efficacy: 141.2 lumens/watt
Luminous Opening: Rectangular (W 0.9' x L: 1.25' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

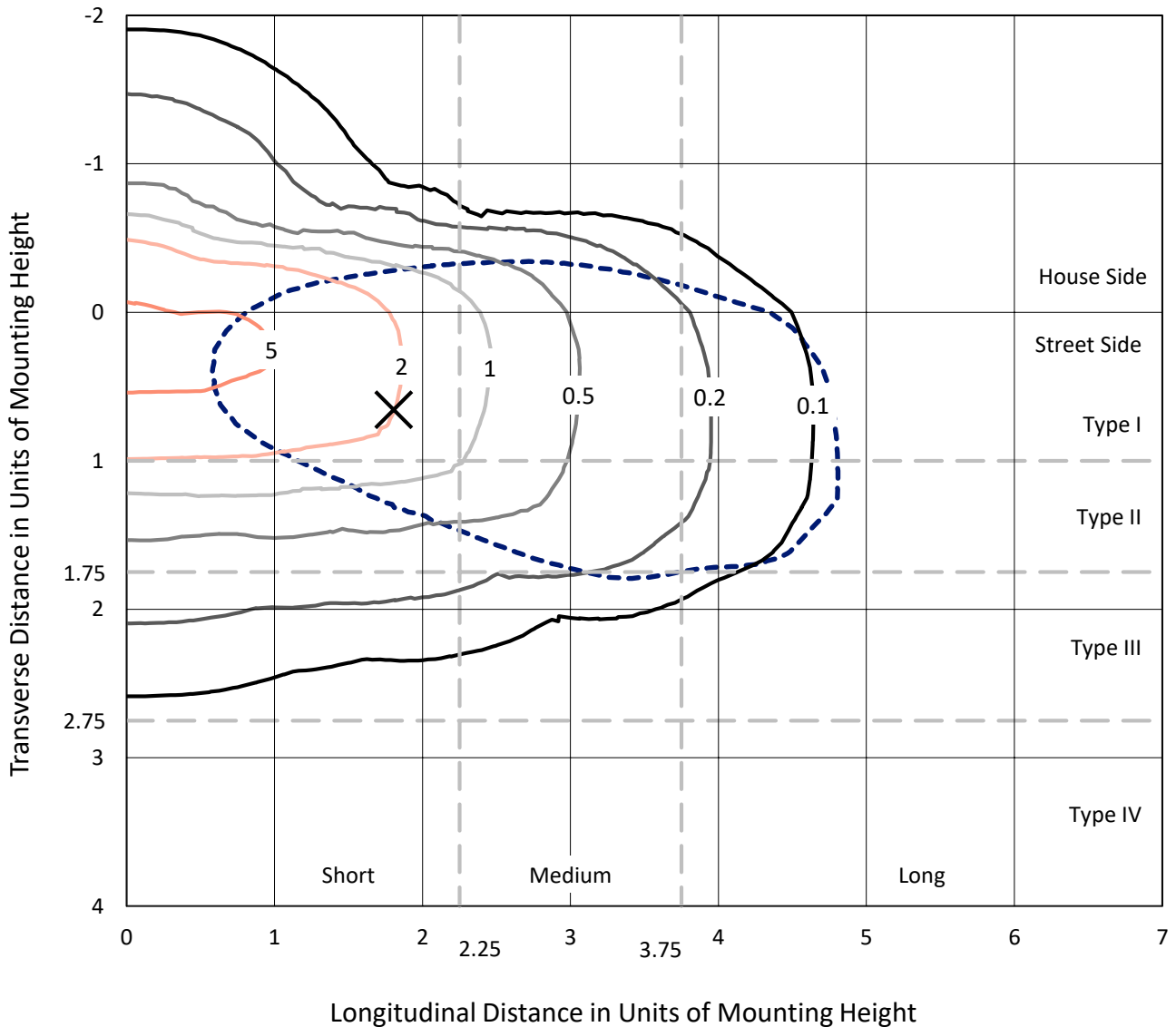
Input Watts (W): 133.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

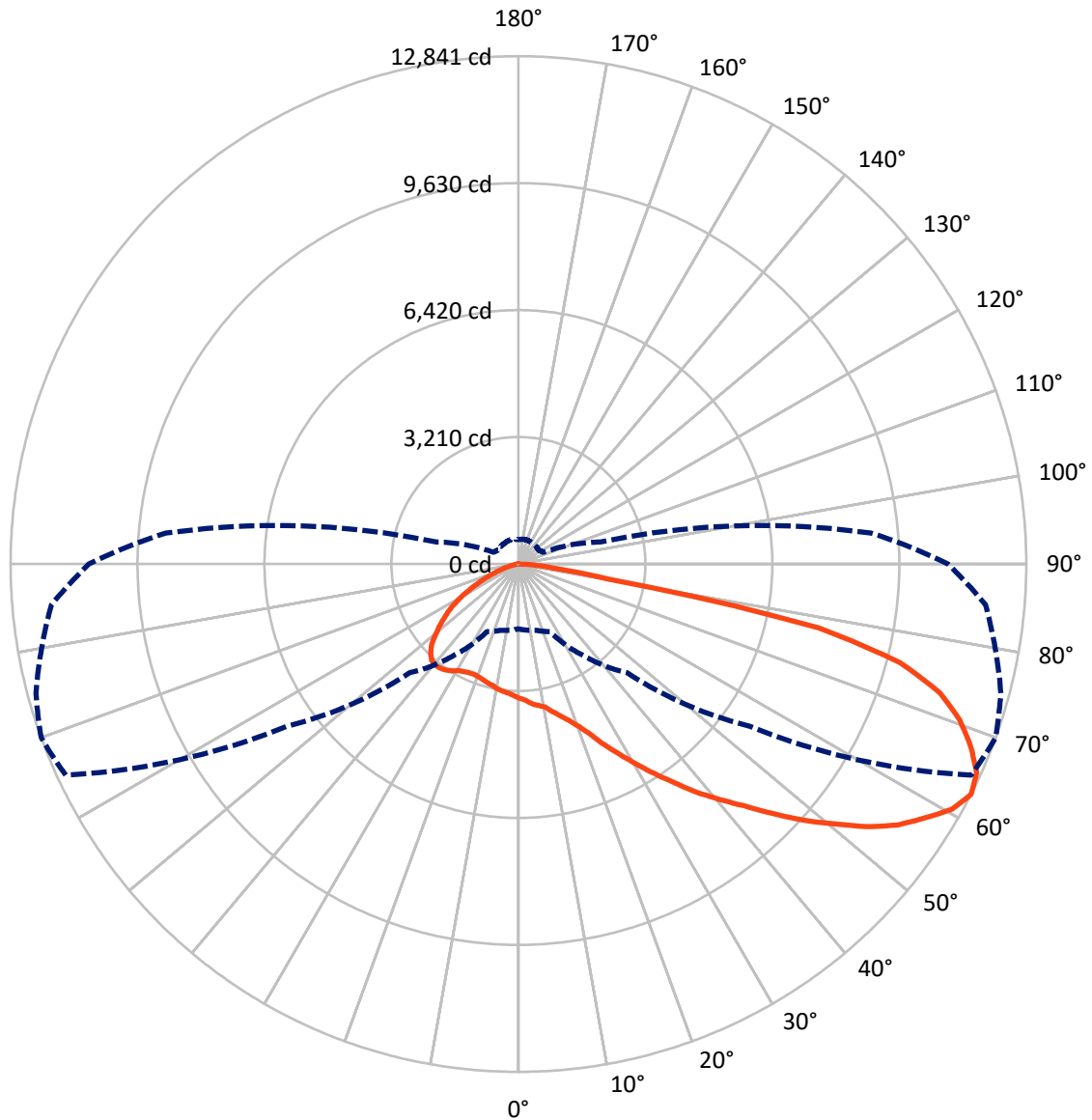
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.4 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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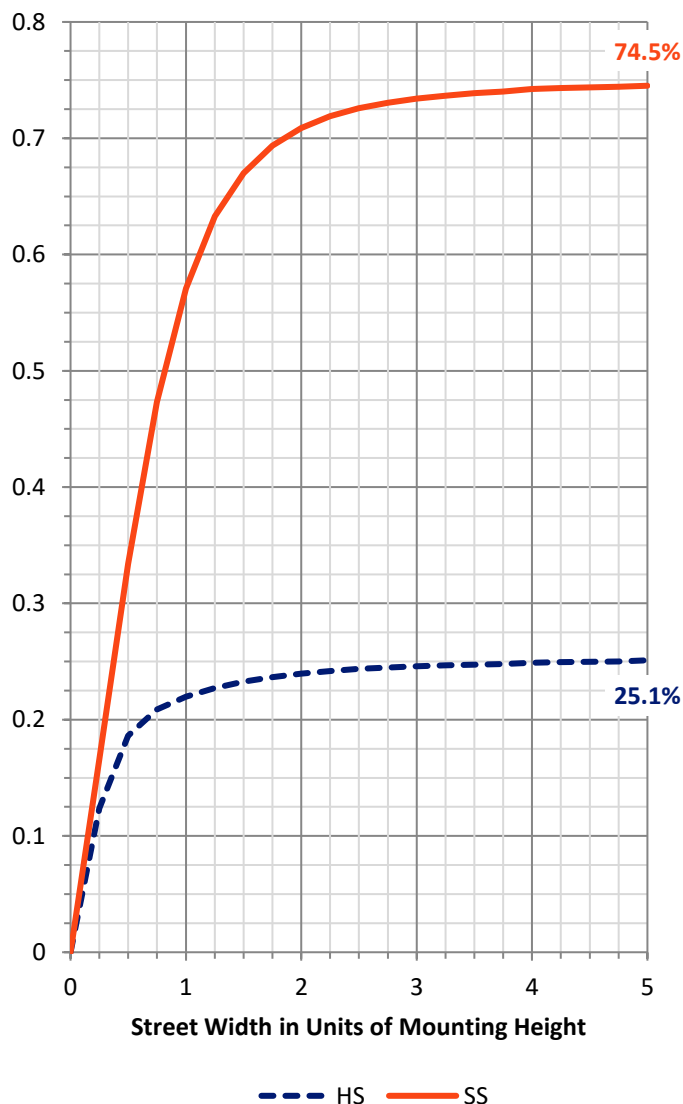
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4830.9	0.0	4830.9
	% Fixture	25.6	0.0	25.6
Street Side	Lumens	14074.1	0.0	14074.1
	% Fixture	74.4	0.0	74.4
Total	Lumens	18905.0	0.0	18905.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	327.6	1.7
10°-20°	996.7	5.3
20°-30°	1694.1	9.0
30°-40°	2437.8	12.9
40°-50°	3163.6	16.7
50°-60°	3708.5	19.6
60°-70°	3803.1	20.1
70°-80°	2495.6	13.2
80°-90°	278.0	1.5
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°	18905.0	100.0
0°-180°	18905.0	100.0

Coefficient of Utilization



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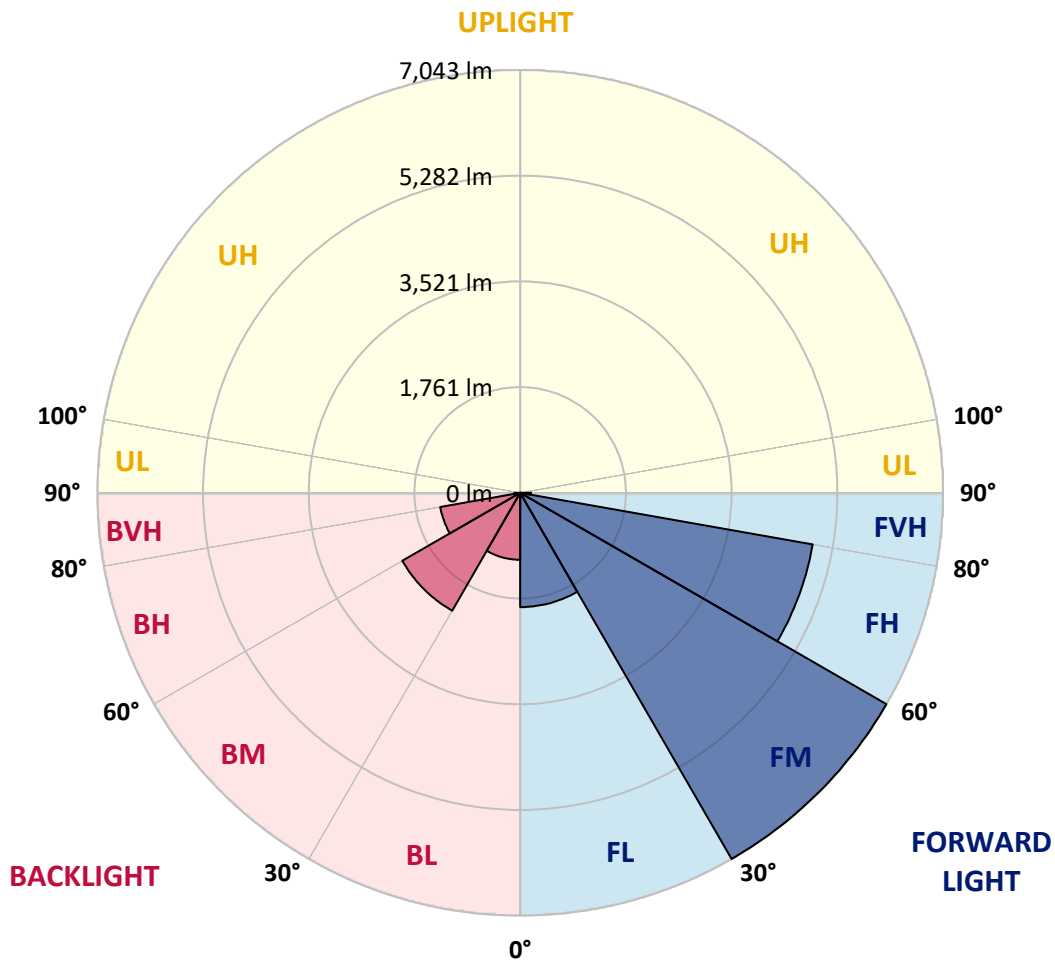
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1902.9	10.1			
FM (30°-60°)	7042.6	37.3			
FH (60°-80°)	4947.3	26.2			G2/5000
FVH (80°-90°)	181.3	1.0			G2/225
BL (0°-30°)	1115.5	5.9	B3/2500		
BM (30°-60°)	2267.3	12.0	B2/2500		
BH (60°-80°)	1351.4	7.1	B3/2500		G3/2500
BVH (80°-90°)	96.7	0.5			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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	3393.0	3393.0	3393.0	3393.0	3393.0	3393.0	3393.0	3393.0	3393.0	3393.0	3393.0
2.5°	3611.1	3624.8	3602.5	3581.4	3560.3	3547.9	3526.8	3467.3	3446.3	3427.7	3390.5
5°	3798.3	3816.9	3784.7	3717.8	3701.6	3649.6	3621.1	3570.2	3549.2	3516.9	3454.9
7.5°	4017.8	4020.2	3974.4	3953.3	3900.0	3829.3	3738.8	3645.9	3614.9	3581.4	3503.3
10°	4145.4	4171.5	4126.8	4061.1	4024.0	3960.7	3865.3	3742.6	3674.4	3614.9	3528.1
12.5°	4325.2	4331.4	4259.5	4222.3	4172.7	4093.4	4000.4	3893.8	3826.8	3716.5	3559.1
15°	4456.6	4460.3	4395.9	4356.2	4309.1	4262.0	4161.6	4050.0	3984.3	3874.0	3634.7
17.5°	4550.8	4566.9	4527.3	4498.7	4449.2	4415.7	4336.4	4248.3	4162.8	4063.6	3792.1
20°	4653.7	4662.4	4589.2	4601.6	4593.0	4578.1	4540.9	4457.8	4388.4	4257.0	3918.6
22.5°	4682.2	4667.3	4687.2	4735.5	4759.1	4776.4	4765.3	4746.7	4683.5	4519.8	4157.8
25°	4640.1	4658.7	4705.8	4811.1	4942.5	5020.6	5076.4	5090.1	5071.5	4915.3	4477.7
27.5°	4628.9	4620.2	4697.1	4876.8	5097.5	5279.7	5390.1	5494.2	5447.1	5349.2	4838.4
30°	4581.8	4578.1	4713.2	4897.9	5181.8	5520.2	5717.3	5893.4	5871.1	5771.9	5261.1
32.5°	4466.5	4491.3	4595.4	4915.3	5310.7	5753.3	5993.8	6282.6	6316.1	6243.0	5688.8
35°	4317.8	4326.4	4492.5	4869.4	5411.1	5957.8	6307.4	6709.1	6787.2	6784.7	6169.8
37.5°	4129.3	4178.9	4356.2	4755.4	5454.5	6145.0	6608.7	7162.8	7319.0	7295.4	6650.8
40°	3940.9	3971.9	4181.4	4610.3	5458.2	6270.2	6864.0	7647.5	7821.1	7824.8	7198.7
42.5°	3658.3	3710.3	3929.7	4419.4	5375.2	6376.8	7118.2	8155.8	8352.9	8381.4	7707.0
45°	3422.7	3440.1	3634.7	4123.1	5195.4	6433.9	7400.8	8676.4	8995.0	8971.5	8148.3
47.5°	3117.8	3185.9	3391.7	3843.0	4914.0	6443.8	7646.3	9281.4	9675.6	9621.0	8749.6
50°	2412.4	2488.0	3048.3	3590.1	4558.3	6331.0	7843.4	10000.4	10321.5	10263.2	9261.5
52.5°	2127.3	2164.5	2391.3	3295.0	4188.8	6062.0	8000.8	10682.2	11033.0	10853.3	9860.3
55°	2005.8	2023.1	2126.0	2695.0	3862.8	5620.6	8091.3	11447.1	11644.2	11377.7	10418.2
57.5°	1874.4	1915.3	1967.3	2271.1	3499.6	5009.5	8035.5	12081.8	12114.0	11848.7	10894.2
60°	1750.4	1767.8	1875.6	2035.5	3081.8	4378.5	7720.6	12477.2	12591.3	12265.3	11466.9
62.5°	1640.1	1671.1	1734.3	1884.3	2802.9	3887.6	7160.3	12629.7	12840.5	12628.5	11853.7
65°	1535.9	1545.9	1617.8	1754.1	2494.2	3645.9	6836.8	12389.2	12731.4	12697.9	12023.5
67.5°	1413.2	1424.4	1487.6	1581.8	2108.7	3376.8	5993.8	12049.6	12337.2	12451.2	11926.8
70°	1253.3	1262.0	1336.4	1392.1	1767.8	2980.2	5033.0	11528.9	11840.0	11734.7	11277.2
72.5°	1069.8	1083.5	1143.0	1212.4	1470.2	2512.8	3942.1	10439.2	11152.0	11082.6	10312.8
75°	864.0	885.1	933.5	1016.5	1195.0	1995.9	2790.5	8447.1	9969.4	10073.5	8899.6
77.5°	409.1	430.2	473.6	543.0	724.0	1392.1	1527.3	4761.6	7764.0	8408.7	7165.3
80°	133.9	136.4	321.1	366.9	459.9	857.8	623.6	1553.3	2299.6	3888.8	3854.1
82.5°	71.9	78.1	173.6	213.2	230.6	230.6	182.2	685.5	968.2	1183.9	1371.1
85°	38.4	39.7	60.7	73.1	79.3	63.2	47.1	282.6	453.7	566.5	561.6
87.5°	16.1	17.4	18.6	16.1	13.6	8.7	6.2	5.0	5.0	5.0	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3393.0	3393.0	3393.0	3393.0	3393.0	3393.0	3393.0	3393.0	3393.0	3393.0	3393.0
2.5°	3371.9	3354.5	3345.9	3309.9	3270.2	3228.1	3194.6	3195.9	3221.9	3241.7	3240.5
5°	3410.3	3366.9	3313.6	3229.3	3194.6	3163.6	3126.4	3076.9	3093.0	3112.8	3127.7
7.5°	3431.4	3375.6	3303.7	3178.5	3121.5	3054.5	3019.8	2955.4	2928.1	2947.9	2947.9
10°	3424.0	3366.9	3243.0	3151.2	3039.7	2934.3	2864.9	2848.8	2825.2	2821.5	2820.2
12.5°	3473.5	3389.2	3205.8	3070.7	2969.0	2833.9	2759.5	2744.6	2749.6	2718.6	2723.5
15°	3521.9	3426.4	3173.5	3033.5	2876.0	2717.3	2657.8	2603.3	2628.1	2602.1	2608.3
17.5°	3608.7	3493.4	3156.2	2959.1	2757.0	2619.4	2512.8	2450.8	2448.3	2444.6	2434.7
20°	3707.8	3547.9	3153.7	2894.6	2660.3	2496.7	2344.2	2276.0	2226.4	2243.8	2245.0
22.5°	3887.6	3650.8	3179.7	2835.1	2525.2	2341.7	2185.5	2081.4	2021.9	2031.8	2033.1
25°	4143.0	3866.5	3247.9	2784.3	2412.4	2162.0	2008.3	1876.9	1805.0	1806.2	1826.0
27.5°	4513.6	4124.4	3357.0	2740.9	2292.1	1992.1	1783.9	1655.0	1576.9	1575.6	1589.3
30°	4880.6	4446.7	3513.2	2678.9	2139.7	1764.0	1528.5	1425.6	1377.3	1345.0	1352.5
32.5°	5243.8	4792.5	3716.5	2646.7	1961.2	1495.0	1297.9	1227.3	1166.5	1107.0	1113.2
35°	5655.4	5117.3	3921.1	2582.2	1746.7	1271.9	1134.3	1037.6	959.5	928.5	922.3
37.5°	6138.8	5495.4	4062.4	2527.7	1492.6	1121.9	954.5	882.6	831.8	798.3	793.4
40°	6565.3	5812.8	4218.6	2400.0	1248.3	986.8	797.1	758.7	752.5	726.4	722.7
42.5°	6996.7	6202.0	4325.2	2232.6	1081.0	814.5	681.8	704.1	738.8	722.7	722.7
45°	7436.8	6608.7	4346.3	1982.2	921.1	689.3	653.3	695.5	743.8	747.5	746.3
47.5°	7919.0	6969.4	4387.2	1624.0	807.0	657.0	648.3	683.1	745.0	767.4	762.4
50°	8465.7	7359.9	4273.1	1238.4	738.8	660.7	653.3	669.4	736.4	761.2	752.5
52.5°	8997.5	7735.5	4084.7	944.6	695.5	664.5	679.3	666.9	715.3	740.1	750.0
55°	9490.9	8149.6	3685.5	840.5	665.7	659.5	700.4	678.1	695.5	702.9	716.5
57.5°	9990.5	8454.5	3261.6	788.4	649.6	653.3	688.0	678.1	689.3	680.6	669.4
60°	10459.1	8775.6	2714.9	740.1	632.2	649.6	663.2	660.7	668.2	652.1	644.6
62.5°	10857.0	8949.1	2143.4	697.9	617.4	632.2	629.8	642.1	643.4	624.8	619.8
65°	11039.2	9023.5	1636.4	659.5	595.0	609.9	597.5	600.0	601.2	576.4	575.2
67.5°	10854.5	8614.4	1121.9	602.5	571.5	590.1	566.5	562.8	554.1	529.3	530.6
70°	10315.3	7931.4	748.8	520.7	520.7	552.9	539.3	530.6	509.5	485.9	493.4
72.5°	9110.3	6771.1	485.9	420.2	457.4	509.5	503.3	490.9	441.3	374.4	376.9
75°	7792.5	5374.0	323.6	306.2	349.6	441.3	419.0	389.3	369.4	390.5	416.5
77.5°	6068.2	3426.4	181.0	176.0	207.0	309.9	349.6	355.8	503.3	597.5	591.3
80°	3150.0	1740.5	105.4	86.8	122.7	208.3	275.2	374.4	624.8	471.1	456.2
82.5°	1238.4	652.1	64.5	45.9	54.5	85.5	182.2	538.0	473.6	238.0	228.1
85°	424.0	147.5	26.0	23.6	26.0	36.0	71.9	482.2	245.5	151.2	143.8
87.5°	5.0	5.0	6.2	7.4	8.7	8.7	19.8	229.3	114.0	70.7	68.2
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)