

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: P553545

Luminaire Tested: **VERD-G-CA2-150-722-U-T2**

Issue Date: 7/12/2021

Test Information

Test Method: LM-79-08
Report Number: P553545
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-155-2)
Test Lab: INNOVATION CENTER
Issue Date: 7/12/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: VERD-G-CA2-150-722-U-T2
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 2200K, 1380mA LEDS AND TYPE II OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17789 lumens
Efficiency: N/A
Efficacy: 116.9 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

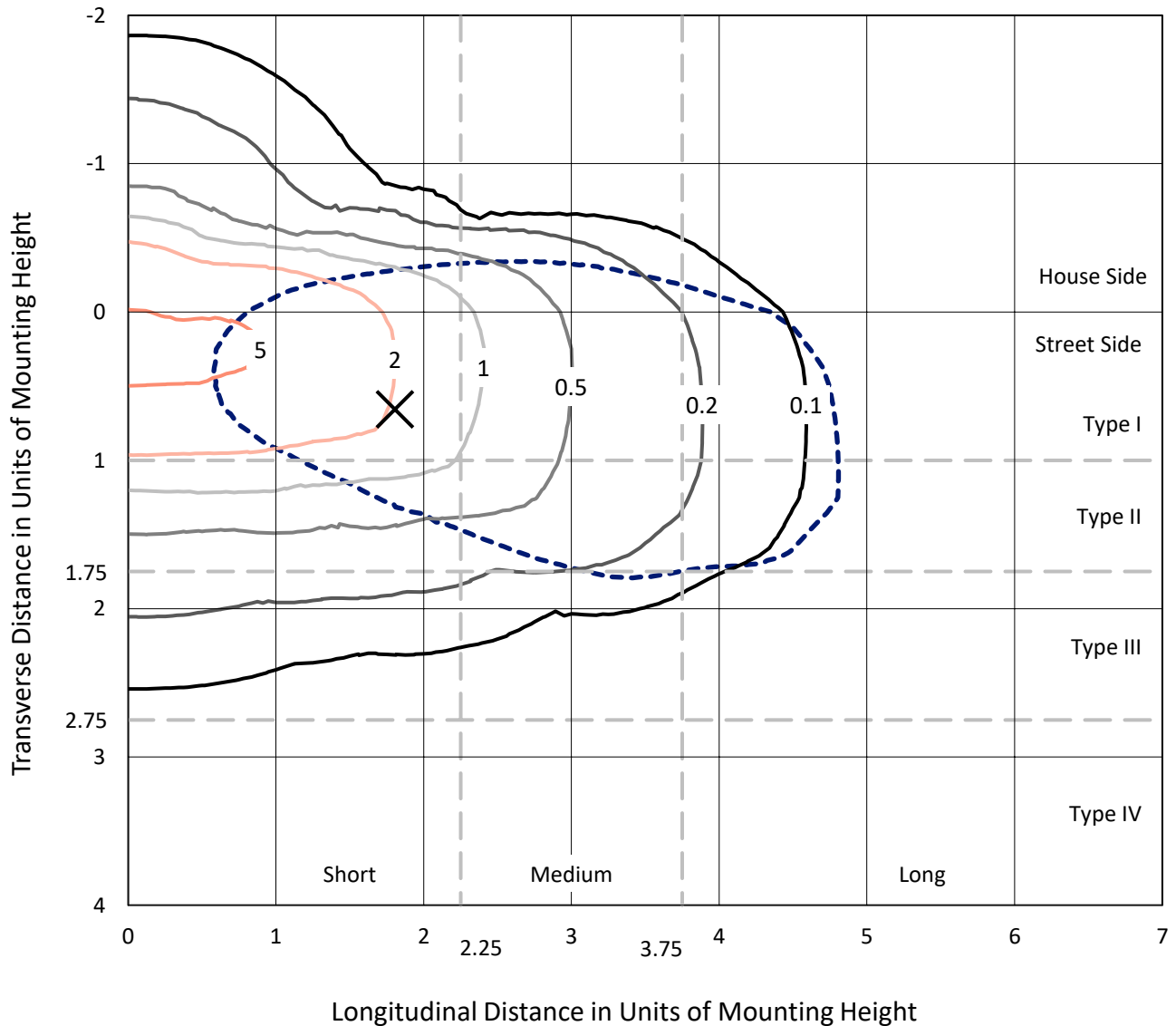
Input Watts (W): 152.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

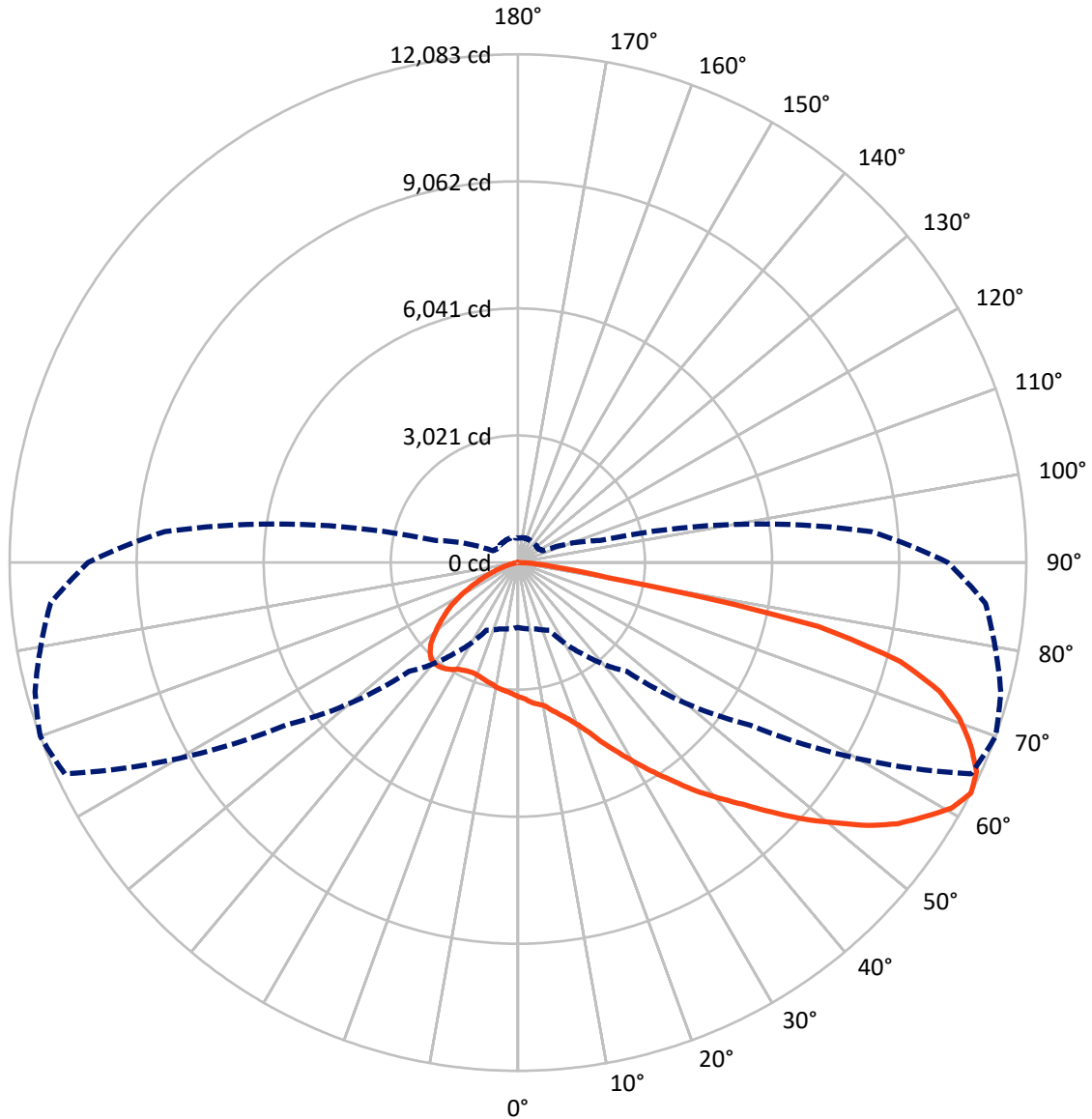
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.1 fc
 Type 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	4545.7	0.0	4545.7
	% Fixture	25.6	0.0	25.6
Street Side	Lumens	13243.3	0.0	13243.3
	% Fixture	74.4	0.0	74.4
Total	Lumens	17789.0	0.0	17789.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	308.3	1.7
10°-20°	937.8	5.3
20°-30°	1594.1	9.0
30°-40°	2293.9	12.9
40°-50°	2976.8	16.7
50°-60°	3489.6	19.6
60°-70°	3578.6	20.1
70°-80°	2348.2	13.2
80°-90°	261.6	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°	17789.0	100.0
0°-180°	17789.0	100.0

Coefficient of Utilization



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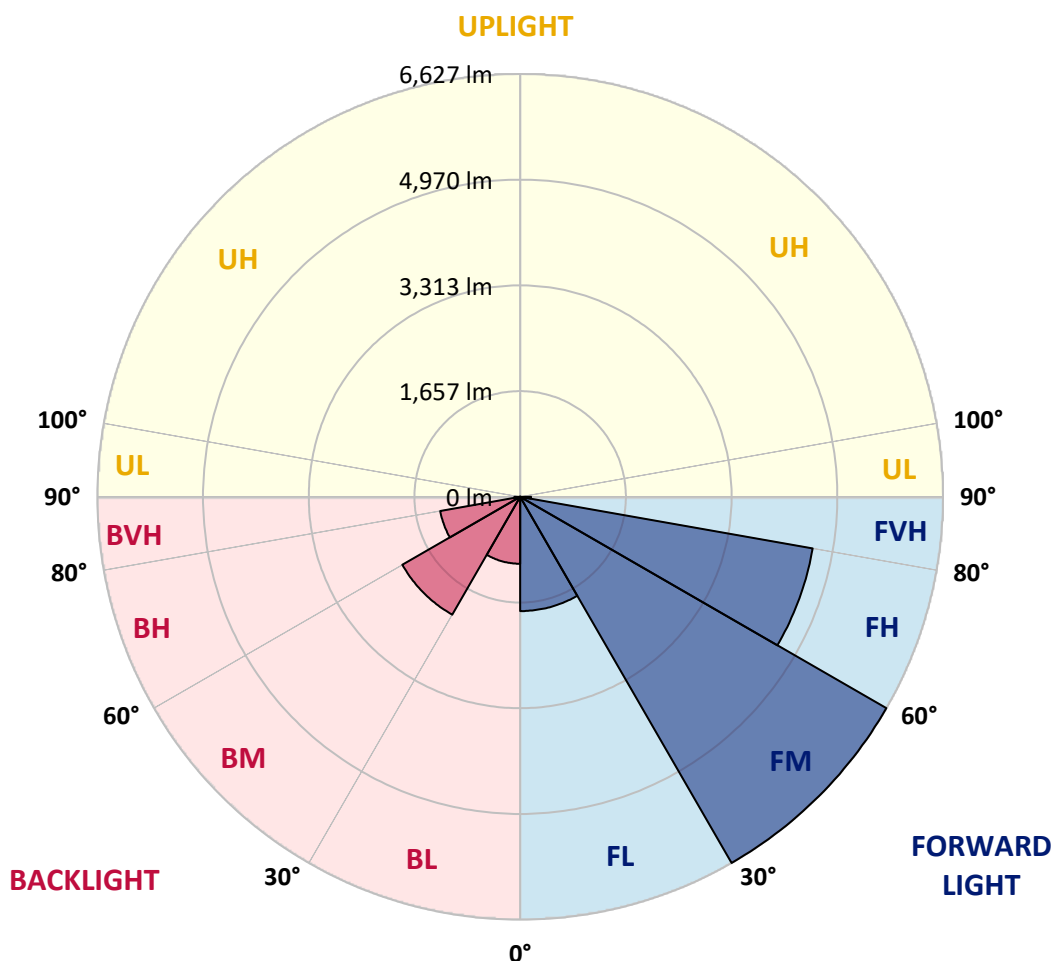
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1790.6	10.1			
FM (30°-60°)	6626.9	37.3			
FH (60°-80°)	4655.2	26.2			G2/5000
FVH (80°-90°)	170.6	1.0			G2/225
BL (0°-30°)	1049.7	5.9	B3/2500		
BM (30°-60°)	2133.4	12.0	B2/2500		
BH (60°-80°)	1271.6	7.1	B3/2500		G3/2500
BVH (80°-90°)	91.0	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°	3192.7	3192.7	3192.7	3192.7	3192.7	3192.7	3192.7	3192.7	3192.7	3192.7	3192.7
2.5°	3398.0	3410.8	3389.8	3370.0	3350.1	3338.5	3318.7	3262.7	3242.8	3225.3	3190.3
5°	3574.1	3591.6	3561.3	3498.3	3483.1	3434.1	3407.3	3359.5	3339.6	3309.3	3251.0
7.5°	3780.6	3782.9	3739.8	3719.9	3669.8	3603.3	3518.1	3430.6	3401.5	3370.0	3296.5
10°	3900.7	3925.2	3883.2	3821.4	3786.4	3726.9	3637.1	3521.6	3457.5	3401.5	3319.8
12.5°	4069.9	4075.7	4008.0	3973.1	3926.4	3851.7	3764.2	3663.9	3600.9	3497.1	3349.0
15°	4193.5	4197.0	4136.4	4099.0	4054.7	4010.4	3915.9	3810.9	3749.1	3645.3	3420.1
17.5°	4282.2	4297.3	4260.0	4233.2	4186.5	4155.0	4080.4	3997.5	3917.1	3823.7	3568.3
20°	4379.0	4387.2	4318.3	4330.0	4321.8	4307.8	4272.8	4194.7	4129.4	4005.7	3687.3
22.5°	4405.8	4391.8	4410.5	4456.0	4478.1	4494.5	4484.0	4466.5	4407.0	4253.0	3912.4
25°	4366.2	4383.7	4428.0	4527.1	4650.8	4724.3	4776.8	4789.6	4772.1	4625.1	4213.3
27.5°	4355.7	4347.5	4419.8	4589.0	4796.6	4968.1	5071.9	5169.9	5125.5	5033.4	4552.8
30°	4311.3	4307.8	4435.0	4608.8	4875.9	5194.4	5379.8	5545.5	5524.5	5431.2	4950.6
32.5°	4202.8	4226.2	4324.2	4625.1	4997.2	5413.7	5640.0	5911.7	5943.2	5874.4	5353.0
35°	4062.9	4071.0	4227.3	4582.0	5091.7	5606.1	5935.1	6313.0	6386.5	6384.2	5805.6
37.5°	3885.6	3932.2	4099.0	4474.6	5132.5	5782.3	6218.5	6740.0	6886.9	6864.8	6258.2
40°	3708.3	3737.4	3934.6	4338.2	5136.0	5900.1	6458.8	7196.1	7359.4	7362.9	6773.8
42.5°	3442.3	3491.3	3697.8	4158.5	5057.9	6000.4	6698.0	7674.3	7859.8	7886.6	7252.0
45°	3220.7	3237.0	3420.1	3879.7	4888.7	6054.1	6963.9	8164.2	8464.0	8441.9	7667.3
47.5°	2933.7	2997.9	3191.5	3616.1	4623.9	6063.4	7194.9	8733.5	9104.4	9053.1	8233.1
50°	2270.0	2341.1	2868.4	3378.1	4289.2	5957.2	7380.4	9410.0	9712.2	9657.3	8714.8
52.5°	2001.7	2036.7	2250.2	3100.5	3941.6	5704.1	7528.5	10051.6	10381.7	10212.6	9278.2
55°	1887.4	1903.7	2000.5	2535.9	3634.8	5288.8	7613.7	10771.3	10956.8	10706.0	9803.1
57.5°	1763.7	1802.2	1851.2	2137.0	3293.0	4713.8	7561.2	11368.6	11398.9	11149.3	10251.1
60°	1647.1	1663.4	1764.9	1915.4	2899.9	4120.0	7264.9	11740.7	11848.0	11541.2	10790.0
62.5°	1543.3	1572.4	1631.9	1773.1	2637.4	3658.1	6737.6	11884.2	12082.5	11883.0	11153.9
65°	1445.3	1454.6	1522.3	1650.6	2347.0	3430.6	6433.2	11657.9	11979.8	11948.3	11313.7
67.5°	1329.8	1340.3	1399.8	1488.4	1984.2	3177.5	5640.0	11338.2	11608.9	11716.2	11222.8
70°	1179.3	1187.5	1257.5	1310.0	1663.4	2804.2	4735.9	10848.3	11141.1	11042.0	10611.5
72.5°	1006.7	1019.5	1075.5	1140.8	1383.5	2364.5	3709.4	9823.0	10493.7	10428.4	9704.0
75°	813.0	832.9	878.4	956.5	1124.5	1878.0	2625.8	7948.4	9380.9	9478.9	8374.2
77.5°	384.9	404.8	445.6	510.9	681.2	1310.0	1437.1	4480.5	7305.7	7912.3	6742.3
80°	126.0	128.3	302.1	345.3	432.8	807.2	586.7	1461.6	2163.8	3659.3	3626.6
82.5°	67.7	73.5	163.3	200.6	217.0	217.0	171.5	645.1	911.0	1114.0	1290.1
85°	36.2	37.3	57.2	68.8	74.7	59.5	44.3	266.0	426.9	533.1	528.4
87.5°	15.2	16.3	17.5	15.2	12.8	8.2	5.8	4.7	4.7	4.7	4.7
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°	3192.7	3192.7	3192.7	3192.7	3192.7	3192.7	3192.7	3192.7	3192.7	3192.7	3192.7
2.5°	3172.8	3156.5	3148.3	3114.5	3077.2	3037.5	3006.0	3007.2	3031.7	3050.4	3049.2
5°	3209.0	3168.2	3118.0	3038.7	3006.0	2976.9	2941.9	2895.2	2910.4	2929.0	2943.0
7.5°	3228.8	3176.3	3108.7	2990.9	2937.2	2874.2	2841.6	2780.9	2755.2	2773.9	2773.9
10°	3221.8	3168.2	3051.5	2965.2	2860.2	2761.1	2695.7	2680.6	2658.4	2654.9	2653.8
12.5°	3268.5	3189.2	3016.5	2889.4	2793.7	2666.6	2596.6	2582.6	2587.3	2558.1	2562.8
15°	3314.0	3224.2	2986.2	2854.4	2706.2	2556.9	2500.9	2449.6	2472.9	2448.5	2454.3
17.5°	3395.6	3287.2	2969.9	2784.4	2594.3	2464.8	2364.5	2306.1	2303.8	2300.3	2291.0
20°	3489.0	3338.5	2967.5	2723.7	2503.3	2349.3	2205.8	2141.7	2095.0	2111.3	2112.5
22.5°	3658.1	3435.3	2992.0	2667.8	2376.1	2203.5	2056.5	1958.5	1902.5	1911.9	1913.0
25°	3898.4	3638.3	3056.2	2619.9	2270.0	2034.4	1889.7	1766.1	1698.4	1699.6	1718.2
27.5°	4247.2	3880.9	3158.8	2579.1	2156.8	1874.5	1678.6	1557.3	1483.8	1482.6	1495.4
30°	4592.5	4184.2	3305.8	2520.8	2013.4	1659.9	1438.3	1341.5	1296.0	1265.6	1272.6
32.5°	4934.2	4509.6	3497.1	2490.4	1845.4	1406.8	1221.3	1154.8	1097.7	1041.7	1047.5
35°	5321.5	4815.3	3689.6	2429.8	1643.6	1196.8	1067.3	976.3	902.9	873.7	867.9
37.5°	5776.4	5171.0	3822.6	2378.5	1404.4	1055.7	898.2	830.5	782.7	751.2	746.6
40°	6177.7	5469.7	3969.6	2258.3	1174.7	928.5	750.1	713.9	708.1	683.6	680.1
42.5°	6583.6	5835.9	4069.9	2100.8	1017.2	766.4	641.6	662.6	695.2	680.1	680.1
45°	6997.7	6218.5	4089.7	1865.2	866.7	648.6	614.7	654.4	699.9	703.4	702.2
47.5°	7451.5	6558.0	4128.2	1528.1	759.4	618.2	610.1	642.7	701.1	722.1	717.4
50°	7965.9	6925.4	4020.9	1165.3	695.2	621.7	614.7	629.9	692.9	716.2	708.1
52.5°	8466.4	7278.9	3843.6	888.9	654.4	625.2	639.2	627.6	673.1	696.4	705.7
55°	8930.6	7668.5	3468.0	790.9	626.4	620.6	659.1	638.1	654.4	661.4	674.2
57.5°	9400.7	7955.4	3069.0	741.9	611.2	614.7	647.4	638.1	648.6	640.4	629.9
60°	9841.6	8257.6	2554.6	696.4	594.9	611.2	624.1	621.7	628.7	613.6	606.6
62.5°	10216.1	8420.9	2016.9	656.7	580.9	594.9	592.6	604.2	605.4	587.9	583.2
65°	10387.6	8490.8	1539.8	620.6	559.9	573.9	562.2	564.6	565.7	542.4	541.2
67.5°	10213.7	8105.9	1055.7	566.9	537.7	555.2	533.1	529.6	521.4	498.1	499.3
70°	9706.3	7463.2	704.6	489.9	489.9	520.3	507.4	499.3	479.4	457.3	464.3
72.5°	8572.5	6371.3	457.3	395.4	430.4	479.4	473.6	461.9	415.3	352.3	354.6
75°	7332.5	5056.7	304.5	288.1	328.9	415.3	394.3	366.3	347.6	367.4	391.9
77.5°	5709.9	3224.2	170.3	165.6	194.8	291.6	328.9	334.8	473.6	562.2	556.4
80°	2964.0	1637.7	99.2	81.7	115.5	196.0	259.0	352.3	587.9	443.3	429.3
82.5°	1165.3	613.6	60.7	43.2	51.3	80.5	171.5	506.3	445.6	224.0	214.6
85°	398.9	138.8	24.5	22.2	24.5	33.8	67.7	453.8	231.0	142.3	135.3
87.5°	4.7	4.7	5.8	7.0	8.2	8.2	18.7	215.8	107.3	66.5	64.2
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)