

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: P553589

Luminaire Tested: **VERD-G-CA2-150-760-U-T4**

Issue Date: 7/12/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P553589  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-155-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/12/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: VERD-G-CA2-150-760-U-T4  
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE  
(2) 70 CRI, 5700K, 1380mA LEDS AND TYPE IV OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 21469 lumens  
Efficiency: N/A  
Efficacy: 141.1 lumens/watt  
Luminous Opening: Rectangular (W 0.9' x L: 1.25' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G4

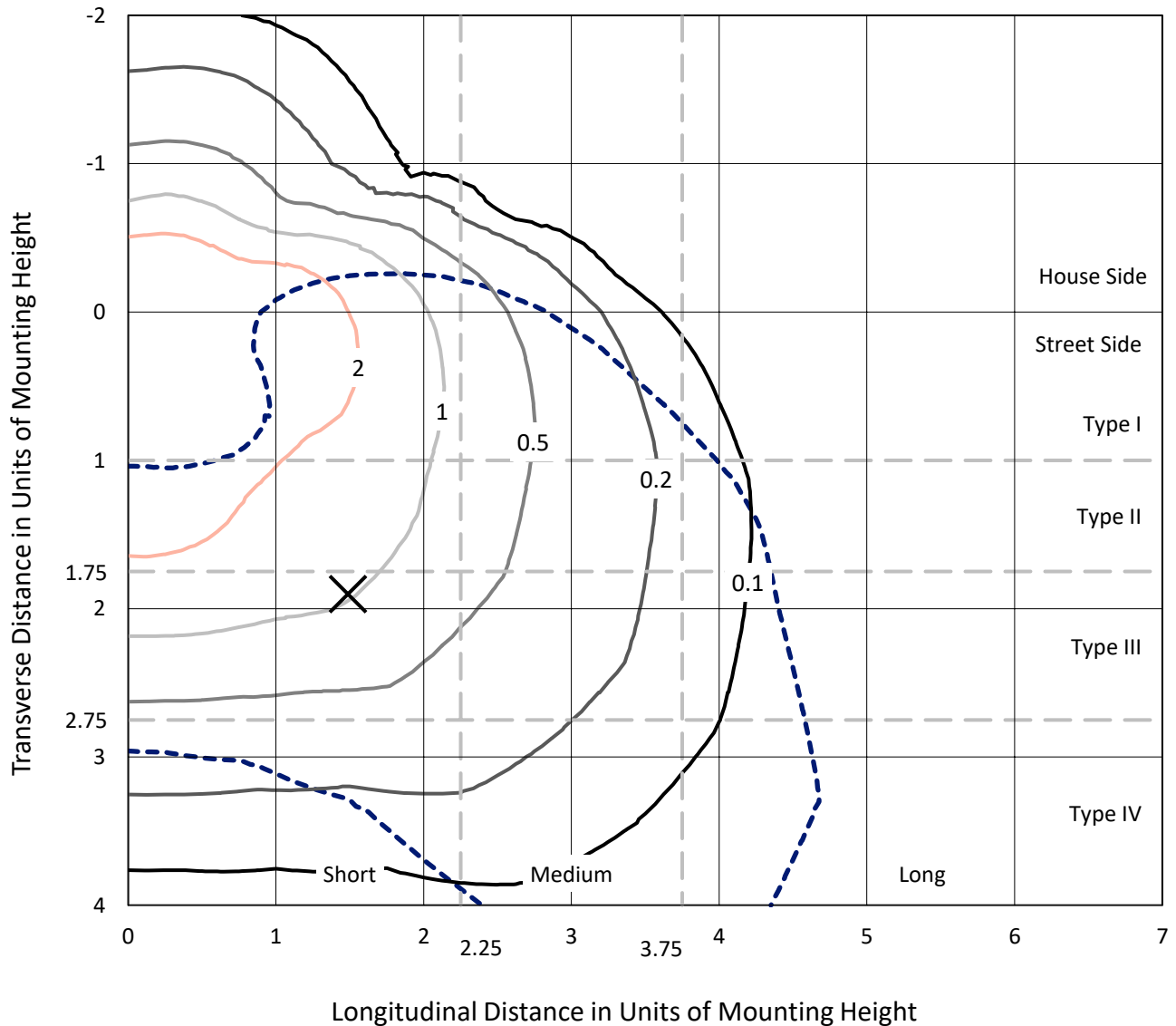
Input Watts (W): 152.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

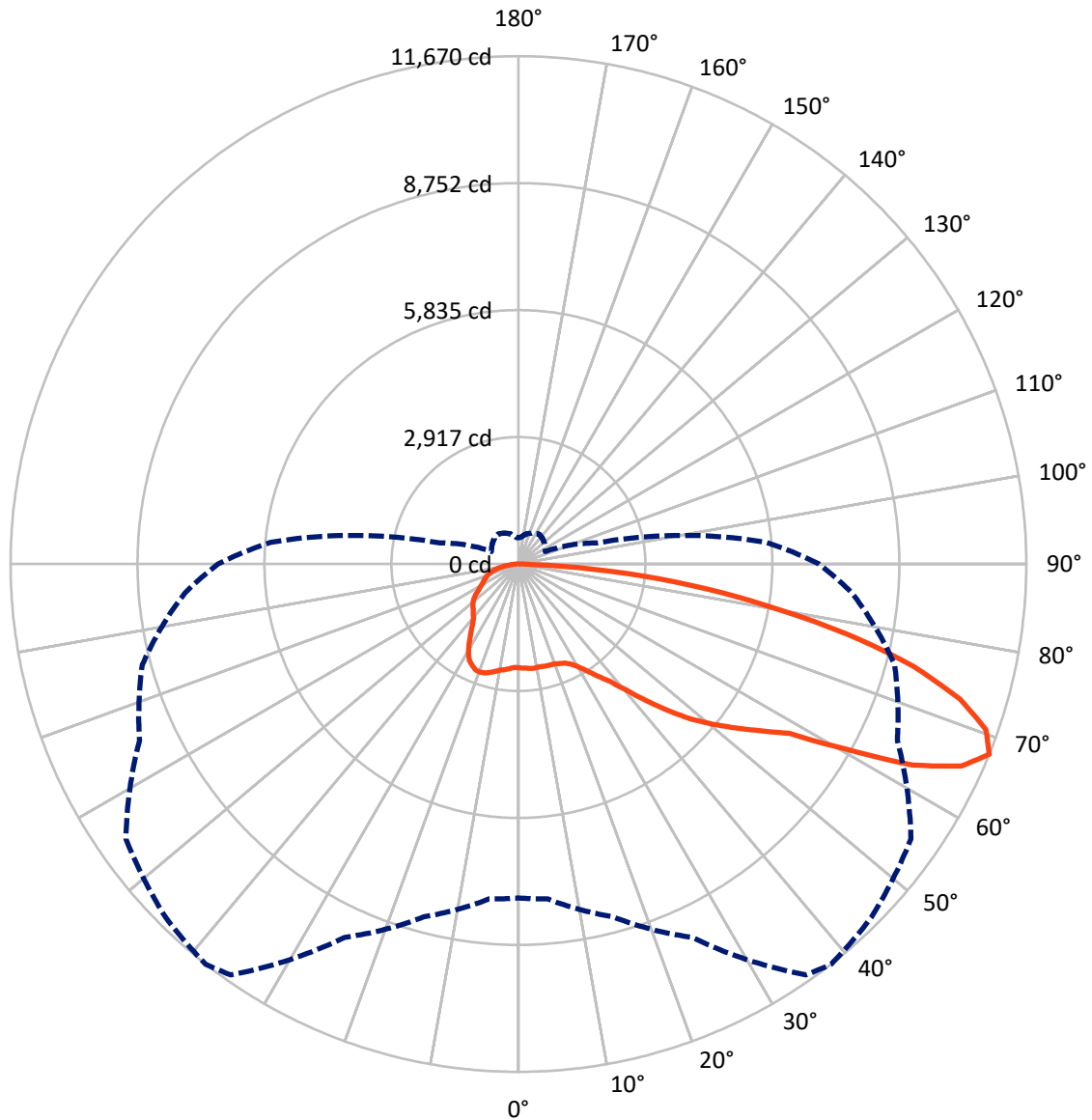
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 38-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4981.4	0.0	4981.4
	% Fixture	23.2	0.0	23.2
<b>Street Side</b>	Lumens	16487.6	0.0	16487.6
	% Fixture	76.8	0.0	76.8
<b>Total</b>	Lumens	21469.0	0.0	21469.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	231.4	1.1
10°-20°	713.7	3.3
20°-30°	1209.7	5.6
30°-40°	1853.8	8.6
40°-50°	3054.5	14.2
50°-60°	4365.8	20.3
60°-70°	5438.6	25.3
70°-80°	3875.6	18.1
80°-90°	726.0	3.4
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°	21469.0	100.0
0°-180°	21469.0	100.0

**Coefficient of Utilization**



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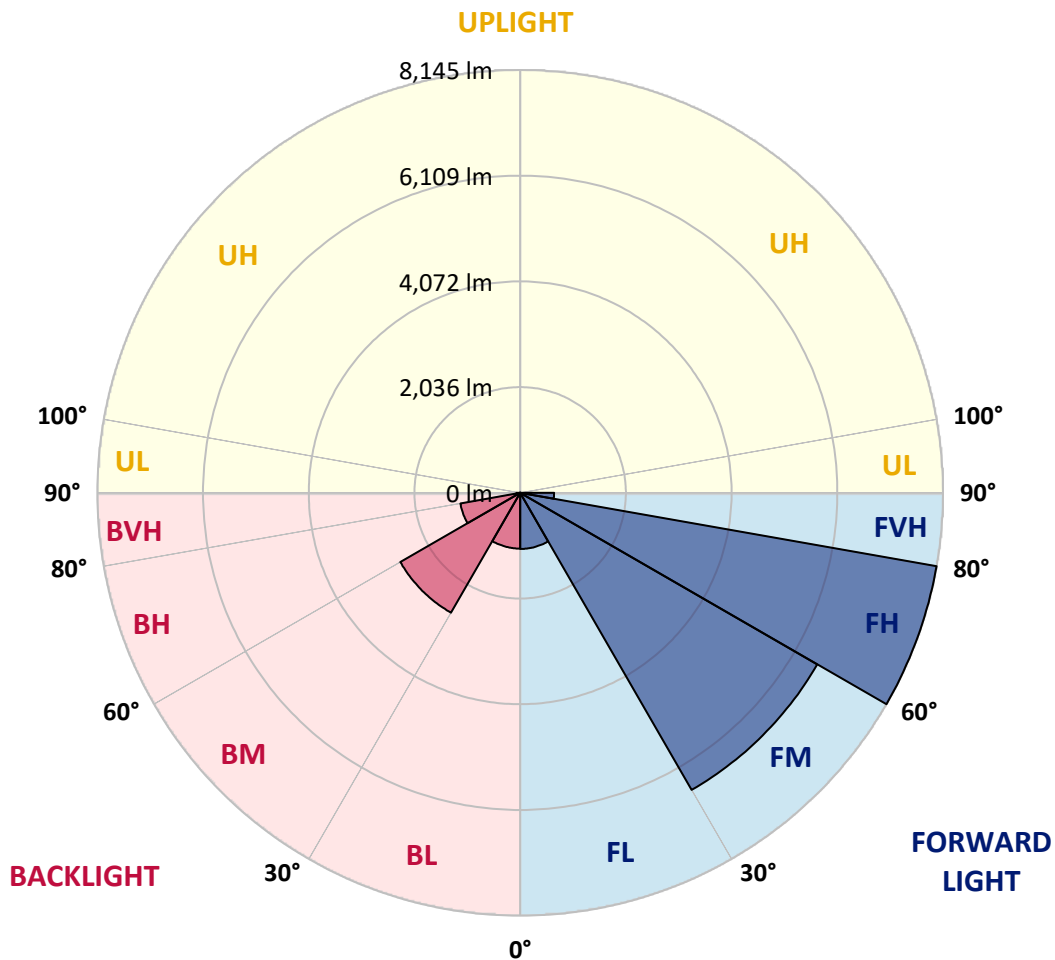
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1080.6	5.0			
FM (30°-60°)	6607.6	30.8			
FH (60°-80°)	8144.8	37.9			G4/12000
FVH (80°-90°)	654.5	3.0			G4/750
BL (0°-30°)	1074.2	5.0	B3/2500		
BM (30°-60°)	2666.4	12.4	B3/5000		
BH (60°-80°)	1169.4	5.4	B3/2500		G3/2500
BVH (80°-90°)	71.5	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G4**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	38°	45°	55°	65°	75°	85°
0°	2385.2	2385.2	2385.2	2385.2	2385.2	2385.2	2385.2	2385.2	2385.2	2385.2	2385.2
2.5°	2429.5	2439.5	2420.9	2418.1	2406.6	2392.4	2395.2	2383.8	2369.6	2375.3	2378.1
5°	2443.7	2443.7	2429.5	2415.2	2409.5	2406.6	2409.5	2396.7	2393.8	2403.8	2395.2
7.5°	2430.9	2439.5	2415.2	2415.2	2405.2	2422.3	2423.8	2408.1	2419.5	2419.5	2418.1
10°	2428.0	2430.9	2420.9	2400.9	2399.5	2409.5	2429.5	2435.2	2440.9	2439.5	2445.2
12.5°	2395.2	2392.4	2372.4	2378.1	2405.2	2415.2	2449.4	2465.1	2486.5	2492.2	2495.1
15°	2353.9	2365.3	2366.7	2383.8	2412.4	2428.0	2462.3	2493.7	2540.7	2552.2	2550.7
17.5°	2358.1	2362.4	2369.6	2379.5	2423.8	2430.9	2486.5	2520.8	2579.3	2619.2	2639.2
20°	2385.2	2376.7	2391.0	2416.6	2440.9	2446.6	2505.1	2557.9	2637.8	2690.5	2713.4
22.5°	2430.9	2432.3	2439.5	2439.5	2456.6	2482.3	2536.5	2577.8	2676.3	2750.5	2790.4
25°	2473.7	2476.6	2485.1	2482.3	2510.8	2522.2	2573.6	2636.3	2749.0	2836.1	2913.1
27.5°	2537.9	2546.5	2540.7	2542.2	2597.8	2609.2	2632.0	2716.2	2831.8	2948.8	3085.7
30°	2657.7	2657.7	2652.0	2657.7	2717.6	2746.2	2753.3	2836.1	2930.2	3071.4	3278.3
32.5°	2830.3	2831.8	2796.1	2824.6	2891.7	2941.6	2963.0	3094.3	3199.8	3268.3	3535.1
35°	3199.8	3184.1	3147.0	3064.3	3107.1	3168.4	3236.9	3403.8	3636.4	3891.7	4159.9
37.5°	3766.2	3764.8	3633.5	3468.0	3393.8	3425.2	3520.8	3770.5	4134.2	4771.9	5008.7
40°	4395.3	4411.0	4221.3	4014.4	3796.1	3799.0	3823.2	4135.7	4662.1	5583.7	5707.8
42.5°	5023.0	4997.3	4787.6	4589.3	4292.6	4274.0	4209.9	4505.2	5214.2	6232.7	6249.9
45°	5582.2	5569.4	5336.9	5135.7	4856.1	4784.8	4712.0	4900.3	5740.6	6757.7	6645.0
47.5°	6107.2	6124.3	5803.3	5622.2	5345.4	5309.7	5225.6	5345.4	6261.3	7170.0	6966.0
50°	6704.9	6712.1	6328.3	6104.4	5830.5	5784.8	5752.0	5904.6	6799.1	7563.8	7292.7
52.5°	7374.0	7234.2	6860.4	6552.3	6289.8	6255.6	6237.0	6396.8	7388.3	7909.0	7508.1
55°	8215.7	8028.8	7646.5	7135.8	6753.5	6759.2	6695.0	6881.8	7884.7	8147.2	7717.8
57.5°	8583.8	8626.6	8555.2	8090.2	7419.7	7336.9	7178.6	7322.7	8356.9	8426.8	7883.3
60°	9277.1	9442.6	9288.5	9028.9	8830.6	8613.7	7840.5	7894.7	8787.8	8736.4	7901.9
62.5°	9324.2	9381.2	9867.7	9909.1	10101.6	10174.4	9533.9	8543.8	9178.6	8891.9	7964.6
65°	8861.9	8926.1	9512.5	10027.5	11087.4	11187.3	10984.7	9732.2	9495.3	8976.1	7914.7
67.5°	7673.6	7726.4	8392.6	9468.2	11525.4	11669.5	11472.6	11010.4	9606.6	8947.5	7695.0
70°	6563.7	6593.7	7147.2	8652.2	11224.4	11394.1	11315.7	11058.9	9602.3	8779.2	7210.0
72.5°	5155.7	5242.7	5689.2	7175.7	10464.0	10606.7	10629.5	10760.7	9358.4	8225.7	6125.8
75°	3739.1	3786.2	4292.6	5575.1	9031.7	9372.7	9773.5	10268.6	8441.1	6983.1	4529.4
77.5°	2634.9	2680.6	3157.0	4227.0	7309.8	7697.9	8422.6	8713.6	6849.0	5234.1	2383.8
80°	1734.7	1729.0	2182.7	3128.5	5485.2	5757.7	6295.5	5906.1	3974.5	2275.4	259.6
82.5°	1018.6	1075.6	1398.1	2149.9	3833.2	3984.5	3970.2	3110.0	1577.8	235.4	132.7
85°	587.8	609.2	824.6	1273.9	2112.8	2134.2	1911.6	1206.9	390.9	105.6	78.5
87.5°	262.5	252.5	328.1	420.8	385.2	286.7	178.3	49.9	30.0	20.0	12.8
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°	2385.2	2385.2	2385.2	2385.2	2385.2	2385.2	2385.2	2385.2	2385.2	2385.2	2385.2
2.5°	2366.7	2359.6	2395.2	2375.3	2392.4	2382.4	2373.8	2385.2	2406.6	2425.2	2413.8
5°	2385.2	2389.5	2418.1	2393.8	2416.6	2412.4	2400.9	2413.8	2448.0	2465.1	2463.7
7.5°	2406.6	2409.5	2439.5	2429.5	2439.5	2430.9	2449.4	2440.9	2470.8	2482.3	2475.1
10°	2432.3	2436.6	2463.7	2465.1	2469.4	2463.7	2472.3	2476.6	2493.7	2516.5	2502.2
12.5°	2488.0	2497.9	2517.9	2539.3	2536.5	2513.6	2520.8	2497.9	2513.6	2520.8	2532.2
15°	2565.0	2589.3	2600.7	2630.6	2603.5	2590.7	2563.6	2517.9	2503.7	2496.5	2485.1
17.5°	2647.7	2670.6	2692.0	2730.5	2686.3	2652.0	2604.9	2519.3	2455.2	2432.3	2422.3
20°	2740.5	2761.9	2800.4	2826.1	2760.4	2686.3	2610.6	2485.1	2358.1	2271.1	2281.1
22.5°	2844.6	2891.7	2917.4	2910.2	2817.5	2716.2	2586.4	2395.2	2232.6	2102.8	2094.2
25°	2988.7	3015.8	3025.8	2960.2	2848.9	2694.8	2505.1	2288.2	2061.4	1915.9	1894.5
27.5°	3139.9	3168.4	3115.7	2993.0	2838.9	2644.9	2413.8	2105.6	1863.1	1723.3	1707.6
30°	3333.9	3326.8	3177.0	2983.0	2781.8	2525.1	2246.9	1918.8	1694.8	1565.0	1557.8
32.5°	3545.1	3492.3	3226.9	2934.5	2673.4	2368.1	2034.3	1741.9	1569.2	1439.4	1433.7
35°	4044.4	3801.8	3299.7	2873.1	2513.6	2151.3	1837.4	1609.2	1469.4	1322.4	1293.9
37.5°	4777.6	4386.7	3449.5	2810.4	2331.0	1937.3	1673.4	1510.8	1378.1	1221.2	1194.1
40°	5461.0	4981.6	3712.0	2763.3	2167.0	1764.7	1560.7	1442.3	1313.9	1157.0	1122.7
42.5°	5946.0	5443.8	4027.2	2686.3	2002.9	1627.7	1513.6	1416.6	1296.8	1151.3	1124.1
45°	6336.9	5843.3	4339.7	2599.2	1810.3	1510.8	1465.1	1395.2	1275.4	1134.1	1102.7
47.5°	6612.2	6094.4	4556.5	2500.8	1626.3	1439.4	1423.7	1361.0	1242.6	1109.9	1089.9
50°	6896.1	6375.4	4704.9	2399.5	1460.8	1385.2	1366.7	1283.9	1175.5	1057.1	1035.7
52.5°	7081.6	6512.4	4790.5	2379.5	1319.6	1311.0	1288.2	1209.7	1107.0	978.6	953.0
55°	7222.8	6633.6	4777.6	2262.6	1192.6	1214.0	1199.8	1141.3	1051.4	925.9	908.7
57.5°	7257.0	6652.2	4660.7	1900.2	1072.8	1084.2	1091.3	1102.7	1015.7	911.6	883.1
60°	7355.5	6565.1	4453.8	1366.7	931.6	960.1	1017.2	1027.1	967.2	848.8	831.7
62.5°	7292.7	6506.7	4004.4	962.9	831.7	890.2	944.4	944.4	861.7	751.8	740.4
65°	7182.9	6275.5	3132.8	758.9	778.9	838.8	888.8	854.5	783.2	680.5	673.3
67.5°	6903.2	5712.0	1870.3	683.3	741.8	798.9	834.6	783.2	716.1	614.9	603.4
70°	6100.1	4552.2	711.9	647.7	704.7	744.7	767.5	714.7	649.1	547.8	537.8
72.5°	4843.3	2847.5	452.2	603.4	657.7	693.3	707.6	646.2	542.1	426.5	415.1
75°	2914.5	813.2	392.3	522.1	579.2	640.5	616.3	536.4	457.9	358.1	350.9
77.5°	737.5	246.8	349.5	420.8	470.8	543.5	542.1	483.6	399.4	292.4	281.0
80°	176.9	172.6	283.9	311.0	355.2	416.6	410.9	402.3	316.7	202.6	166.9
82.5°	112.7	119.8	192.6	174.0	202.6	242.5	275.3	259.6	236.8	124.1	111.3
85°	75.6	95.6	94.2	65.6	91.3	137.0	178.3	162.6	134.1	77.0	68.5
87.5°	11.4	12.8	17.1	25.7	39.9	67.0	88.4	87.0	65.6	48.5	45.7
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)