

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: P527218

Luminaire Tested: **GLAN-SA2B-727-U-SL2-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P527218  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-18)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA2B-727-U-SL2-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(2) 70 CRI, 2700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL  
LIGHT ELIMINATOR OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8111 lumens  
Efficiency: N/A  
Efficacy: 98.9 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G1

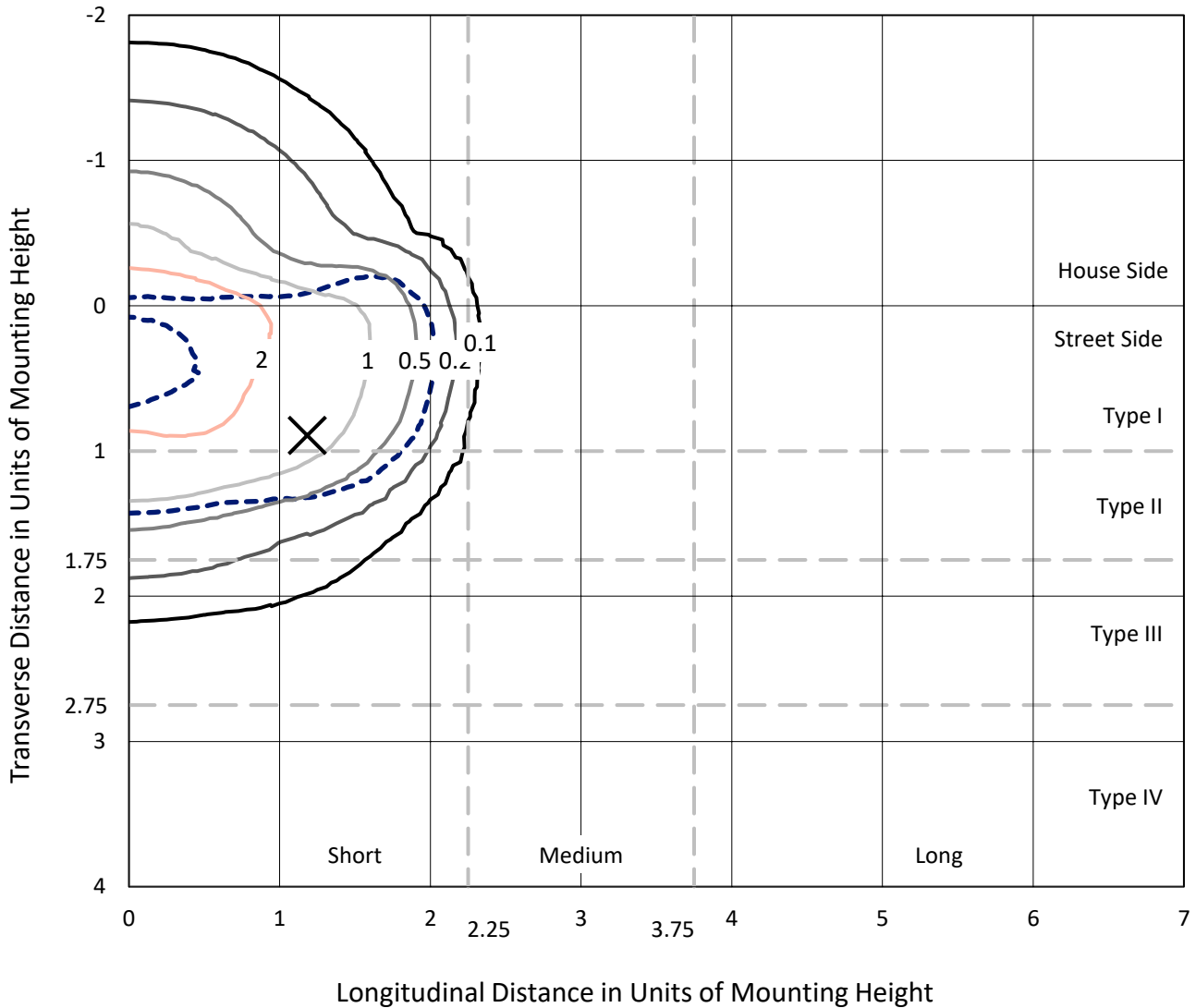
Input Watts (W): 82  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

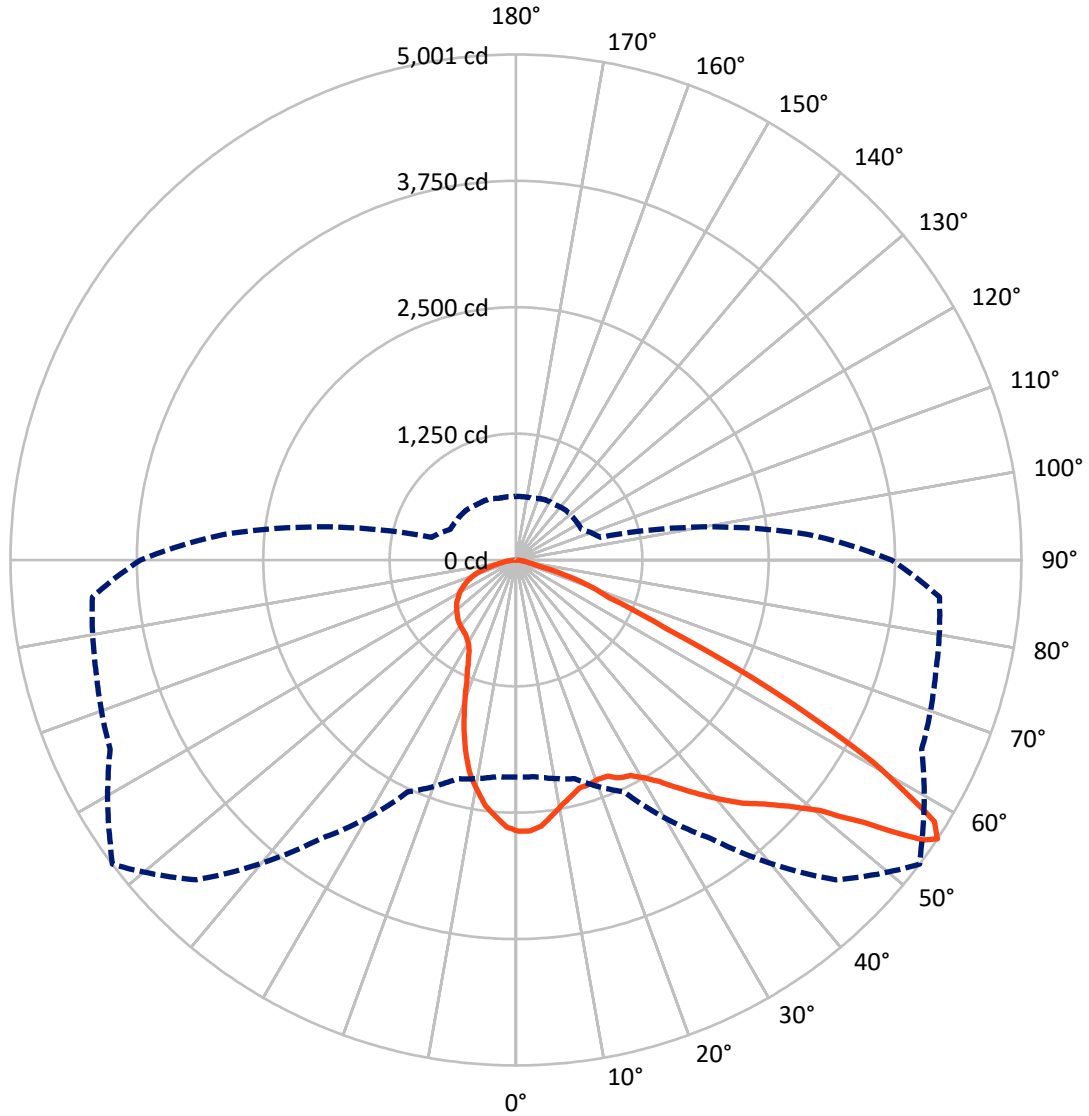
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.3 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral      - - - Horizontal Cone Through 56-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2367.0	0.0	2367.0
	% Fixture	29.2	0.0	29.2
<b>Street Side</b>	Lumens	5744.0	0.0	5744.0
	% Fixture	70.8	0.0	70.8
<b>Total</b>	Lumens	8111.0	0.0	8111.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	237.6	2.9
10°-20°	593.3	7.3
20°-30°	874.9	10.8
30°-40°	1250.1	15.4
40°-50°	1720.6	21.2
50°-60°	2033.2	25.1
60°-70°	1083.6	13.4
70°-80°	274.9	3.4
80°-90°	42.9	0.5
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°	8111.0	100.0
0°-180°	8111.0	100.0

**Coefficient of Utilization**



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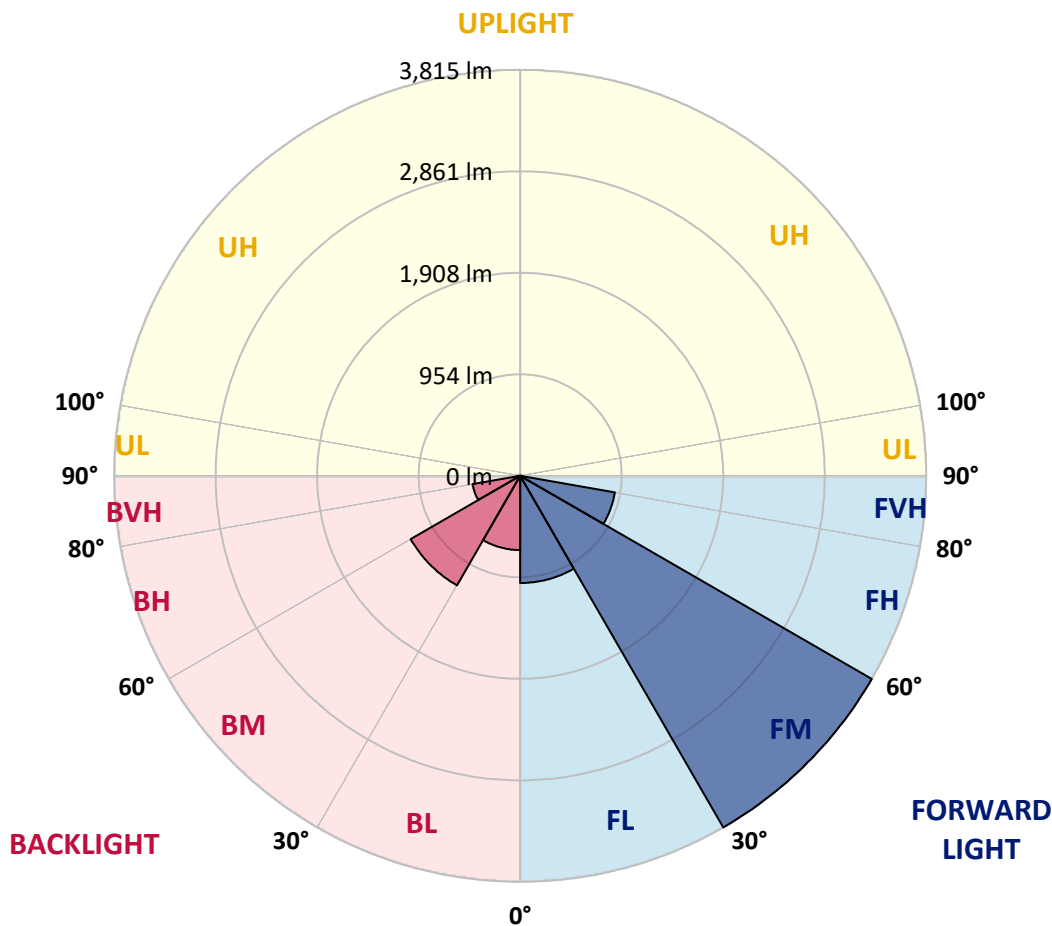
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1007.7	12.4			
FM (30°-60°)	3815.3	47.0			
FH (60°-80°)	903.9	11.1			G1/1800
FVH (80°-90°)	17.2	0.2			G1/100
BL (0°-30°)	698.1	8.6	B2/1000		
BM (30°-60°)	1188.6	14.7	B2/2500		
BH (60°-80°)	454.6	5.6	B1/500		G1/500
BVH (80°-90°)	25.6	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G1**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	2683.4	2683.4	2683.4	2683.4	2683.4	2683.4	2683.4	2683.4	2683.4	2683.4	2683.4
2.5°	2650.1	2627.3	2640.8	2635.6	2678.2	2690.7	2684.5	2689.7	2713.6	2702.2	2678.2
5°	2476.4	2508.6	2514.9	2530.5	2555.5	2604.4	2642.9	2653.3	2664.7	2717.8	2712.6
7.5°	2318.2	2340.1	2328.6	2374.4	2428.5	2507.6	2554.4	2562.7	2667.8	2697.0	2718.8
10°	2218.3	2196.5	2248.5	2261.0	2322.4	2412.9	2469.1	2503.4	2599.2	2714.7	2728.2
12.5°	2125.7	2118.4	2149.7	2185.0	2253.7	2347.4	2404.6	2418.1	2565.9	2687.6	2751.1
15°	2057.1	2048.7	2080.0	2106.0	2186.1	2269.3	2342.2	2380.7	2529.4	2672.0	2731.3
17.5°	2003.0	2001.9	2019.6	2066.4	2148.6	2218.3	2335.9	2338.0	2510.7	2695.9	2747.9
20°	1999.8	1998.8	2001.9	2053.9	2128.9	2214.2	2316.1	2334.9	2510.7	2679.3	2749.0
22.5°	2025.8	2009.2	2027.9	2061.2	2115.3	2221.5	2323.4	2365.0	2571.1	2761.5	2795.8
25°	2067.5	2071.6	2082.0	2093.5	2124.7	2238.1	2387.9	2422.3	2641.8	2832.2	2860.3
27.5°	2143.4	2141.3	2145.5	2151.7	2178.8	2253.7	2414.0	2502.4	2789.6	2958.1	2930.0
30°	2254.8	2247.5	2264.1	2286.0	2261.0	2303.7	2500.3	2566.9	2926.9	3085.1	3008.1
32.5°	2355.7	2382.7	2414.0	2423.3	2393.1	2401.5	2614.8	2682.4	3041.4	3241.1	3103.8
35°	2481.6	2503.4	2545.1	2574.2	2569.0	2544.0	2770.8	2860.3	3206.8	3355.6	3204.7
37.5°	2604.4	2630.4	2699.0	2785.4	2737.5	2726.1	2937.3	3011.2	3257.8	3417.0	3278.6
40°	2802.1	2801.0	2919.6	2964.4	3007.0	2987.3	3110.0	3135.0	3284.8	3403.5	3280.7
42.5°	3034.1	3019.5	3140.2	3209.9	3265.1	3267.2	3290.0	3281.7	3297.3	3334.8	3258.8
45°	3254.7	3285.9	3407.6	3532.5	3587.6	3593.9	3442.0	3426.4	3319.2	3315.0	3217.2
47.5°	3524.2	3531.4	3631.3	3795.7	3923.7	3880.0	3638.6	3604.3	3414.9	3447.2	3286.9
50°	3539.8	3593.9	3683.4	3876.9	4270.2	4258.7	3893.5	3829.0	3568.9	3634.5	3481.5
52.5°	3213.1	3200.6	3306.7	3623.0	4244.2	4635.4	4316.0	4162.0	3899.8	3849.8	3796.8
55°	2448.3	2477.4	2571.1	2890.5	3685.4	4640.6	4891.4	4765.5	4253.5	4168.2	4106.8
56°	2147.6	2151.7	2240.2	2531.5	3362.9	4475.2	5000.6	4898.7	4429.4	4299.3	4205.7
57.5°	1780.3	1756.4	1802.1	1961.3	2838.5	4125.6	4881.0	4980.9	4635.4	4440.8	4310.8
60°	1401.5	1396.3	1377.6	1406.8	1793.8	3108.0	4063.1	4287.9	4614.6	4307.7	4128.7
62.5°	1144.5	1118.5	1156.0	1197.6	1246.5	1928.0	2855.1	2987.3	3663.6	3438.8	3101.7
65°	887.5	875.1	921.9	1057.1	1086.3	1224.7	1626.3	1728.3	2163.2	2124.7	1870.8
67.5°	610.8	612.9	653.4	859.4	1007.2	994.7	995.8	1048.8	1128.9	838.6	730.4
70°	387.1	386.0	407.9	553.5	810.5	818.9	777.3	761.6	722.1	437.0	463.0
72.5°	248.7	241.4	252.8	305.9	419.3	484.9	499.4	508.8	418.3	343.4	372.5
75°	140.5	133.2	129.0	142.5	165.4	191.5	210.2	216.4	242.4	260.1	275.7
77.5°	42.7	38.5	46.8	62.4	82.2	110.3	134.2	138.4	163.4	184.2	199.8
80°	18.7	20.8	29.1	41.6	58.3	78.0	94.7	100.9	117.6	133.2	137.3
82.5°	11.4	12.5	19.8	28.1	40.6	55.1	67.6	69.7	86.4	98.8	102.0
85°	4.2	5.2	10.4	16.6	26.0	35.4	35.4	38.5	35.4	35.4	38.5
87.5°	0.0	0.0	1.0	2.1	2.1	3.1	4.2	4.2	5.2	6.2	7.3
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°	2683.4	2683.4	2683.4	2683.4	2683.4	2683.4	2683.4	2683.4	2683.4	2683.4	2683.4
2.5°	2690.7	2685.5	2677.2	2647.0	2643.9	2634.5	2582.5	2574.2	2582.5	2557.5	2559.6
5°	2685.5	2701.1	2638.7	2608.5	2552.3	2511.8	2464.9	2441.0	2398.3	2371.3	2401.5
7.5°	2708.4	2702.2	2624.1	2558.6	2474.3	2371.3	2289.1	2242.3	2167.4	2146.5	2162.2
10°	2700.1	2666.8	2575.2	2488.9	2329.7	2239.1	2106.0	1976.9	1906.2	1869.8	1864.6
12.5°	2688.6	2679.3	2526.3	2377.5	2210.0	2019.6	1832.3	1710.6	1595.1	1545.1	1552.4
15°	2702.2	2623.1	2434.8	2246.4	2023.8	1774.0	1572.2	1415.1	1335.0	1302.7	1302.7
17.5°	2695.9	2596.0	2391.1	2099.7	1817.7	1522.2	1300.6	1205.9	1172.6	1172.6	1182.0
20°	2699.0	2613.7	2302.6	1953.0	1574.3	1281.9	1120.6	1086.3	1100.8	1106.0	1111.2
22.5°	2716.7	2555.5	2216.3	1791.7	1348.5	1096.7	1017.6	1018.6	1044.7	1072.8	1067.5
25°	2738.6	2532.6	2111.2	1631.5	1175.8	1006.2	981.2	978.1	997.8	1012.4	1014.5
27.5°	2719.9	2493.0	2004.0	1431.7	1034.3	945.8	940.6	942.7	948.9	978.1	968.7
30°	2781.2	2504.5	1869.8	1264.2	956.2	926.0	919.8	916.7	926.0	934.4	927.1
32.5°	2857.2	2463.9	1769.9	1102.9	917.7	911.5	899.0	894.8	900.0	891.7	895.9
35°	2890.5	2456.6	1639.8	987.4	887.5	882.3	875.1	874.0	875.1	867.8	861.5
37.5°	2909.2	2490.9	1491.0	934.4	868.8	874.0	857.4	855.3	836.6	840.7	843.8
40°	2941.5	2437.9	1370.3	883.4	857.4	847.0	832.4	829.3	816.8	809.5	816.8
42.5°	2894.7	2422.3	1251.7	861.5	840.7	829.3	818.9	801.2	797.0	790.8	786.6
45°	2857.2	2332.8	1145.6	834.5	821.0	814.7	794.9	776.2	760.6	766.8	757.5
47.5°	2885.3	2301.6	1040.5	811.6	793.9	786.6	766.8	752.3	736.7	729.4	727.3
50°	2997.7	2359.8	952.1	794.9	771.0	766.8	740.8	724.2	709.6	704.4	706.5
52.5°	3266.1	2519.0	891.7	760.6	749.2	730.4	715.9	695.1	685.7	669.0	679.4
55°	3606.4	2778.1	876.1	728.3	722.1	705.5	685.7	670.1	652.4	638.9	635.7
56°	3715.6	2901.9	863.6	715.9	705.5	696.1	670.1	660.7	632.6	629.5	627.4
57.5°	3804.1	3011.2	865.7	691.9	681.5	673.2	657.6	634.7	616.0	604.5	609.7
60°	3604.3	2818.7	826.2	655.5	653.4	637.8	616.0	605.6	582.7	569.2	566.0
62.5°	2679.3	1913.5	670.1	608.7	607.6	591.0	566.0	554.6	550.4	531.7	531.7
65°	1543.1	1199.7	579.6	570.2	561.9	545.2	520.2	510.9	500.5	494.2	489.0
67.5°	658.6	622.2	526.5	525.5	516.1	495.3	470.3	455.7	442.2	429.7	436.0
70°	477.6	484.9	475.5	470.3	458.9	432.8	411.0	393.3	372.5	364.2	370.4
72.5°	378.7	394.3	407.9	408.9	395.4	365.2	341.3	317.4	294.5	283.0	288.2
75°	287.2	297.6	311.1	314.2	294.5	273.7	250.8	225.8	208.1	194.6	196.7
77.5°	207.1	205.0	217.5	215.4	206.0	191.5	170.6	147.8	128.0	115.5	116.5
80°	141.5	144.6	151.9	150.9	139.4	130.1	114.5	95.7	81.2	70.8	68.7
82.5°	98.8	104.0	110.3	105.1	95.7	86.4	74.9	61.4	49.9	41.6	39.5
85°	35.4	40.6	46.8	49.9	53.1	51.0	42.7	34.3	25.0	20.8	19.8
87.5°	7.3	8.3	9.4	9.4	9.4	8.3	7.3	7.3	6.2	3.1	3.1
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)