

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: P458752

Luminaire Tested: **GLAN-SA3A-735-U-SL2**

Issue Date: 1/4/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P458752  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-14)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/4/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA3A-735-U-SL2  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(3) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL  
LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 12694 lumens  
Efficiency: N/A  
Efficacy: 136.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B2 - U0 - G3

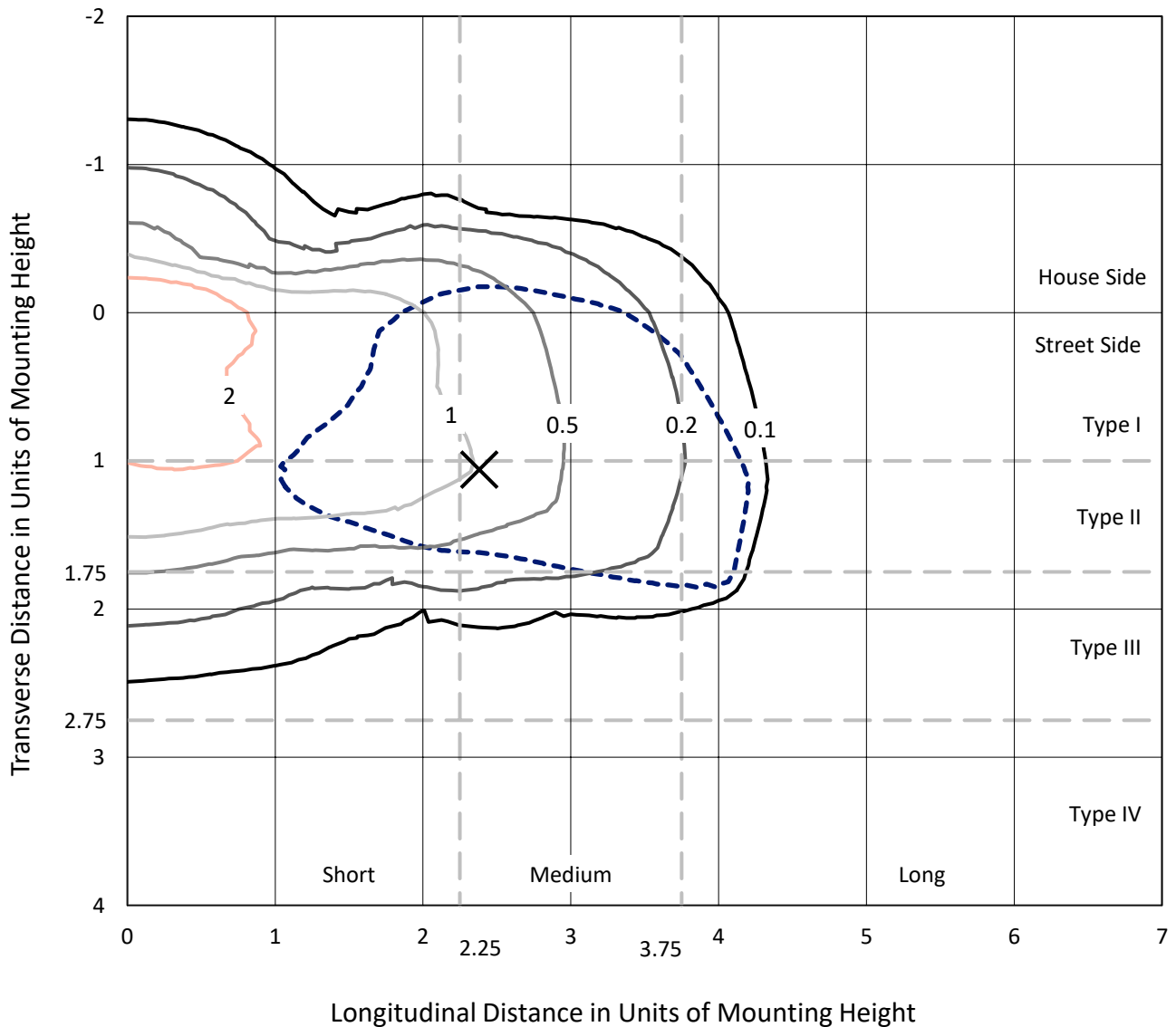
Input Watts (W): 93  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

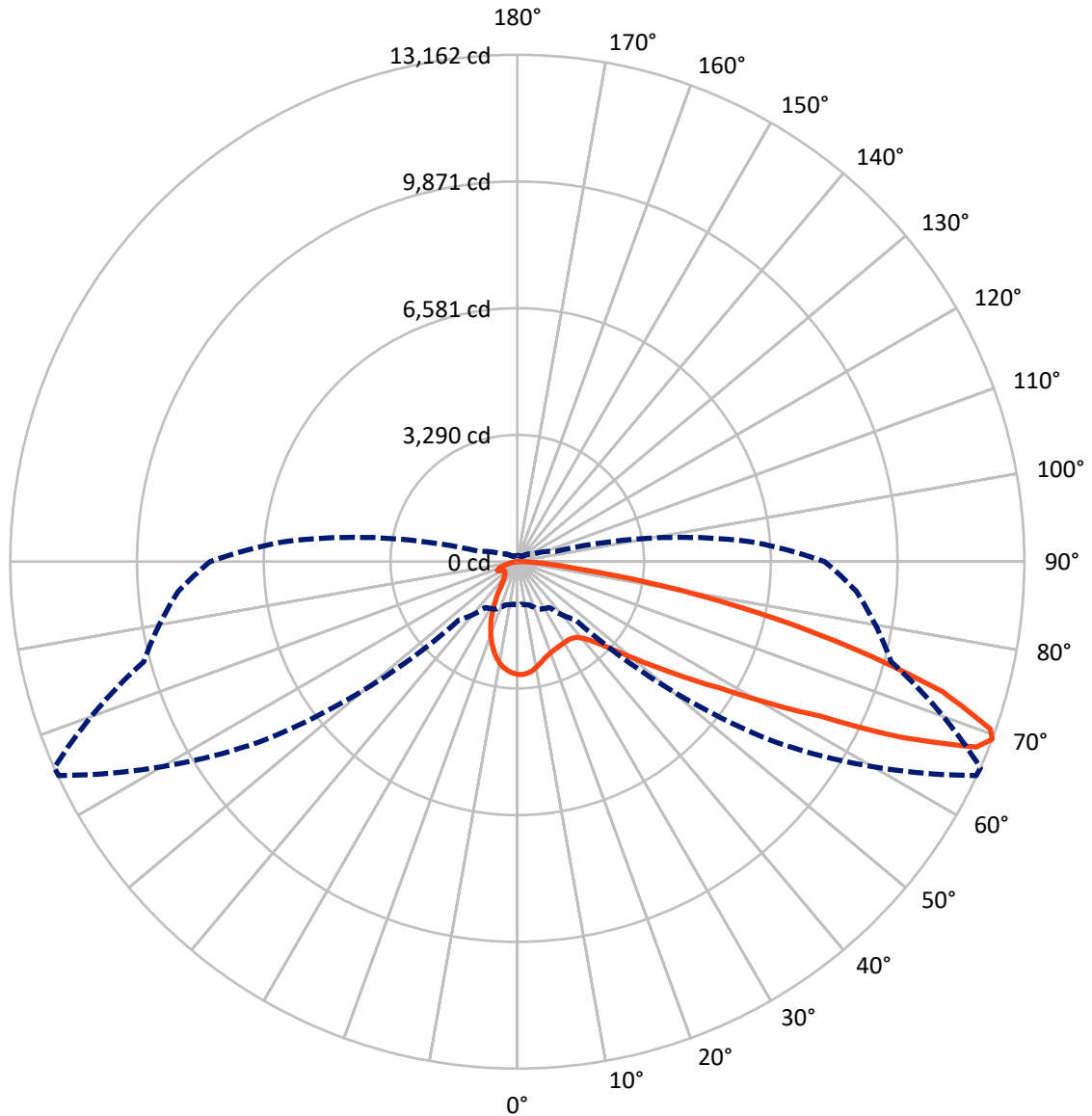
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.7 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral    - - - Horizontal Cone Through 69-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2387.3	0.0	2387.3
	% Fixture	18.8	0.0	18.8
<b>Street Side</b>	Lumens	10306.8	0.0	10306.8
	% Fixture	81.2	0.0	81.2
<b>Total</b>	Lumens	12694.0	0.0	12694.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	254.6	2.0
10°-20°	603.8	4.8
20°-30°	822.0	6.5
30°-40°	1104.6	8.7
40°-50°	1649.3	13.0
50°-60°	2623.5	20.7
60°-70°	3226.8	25.4
70°-80°	2099.5	16.5
80°-90°	310.0	2.4
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°	12694.0	100.0
0°-180°	12694.0	100.0

**Coefficient of Utilization**



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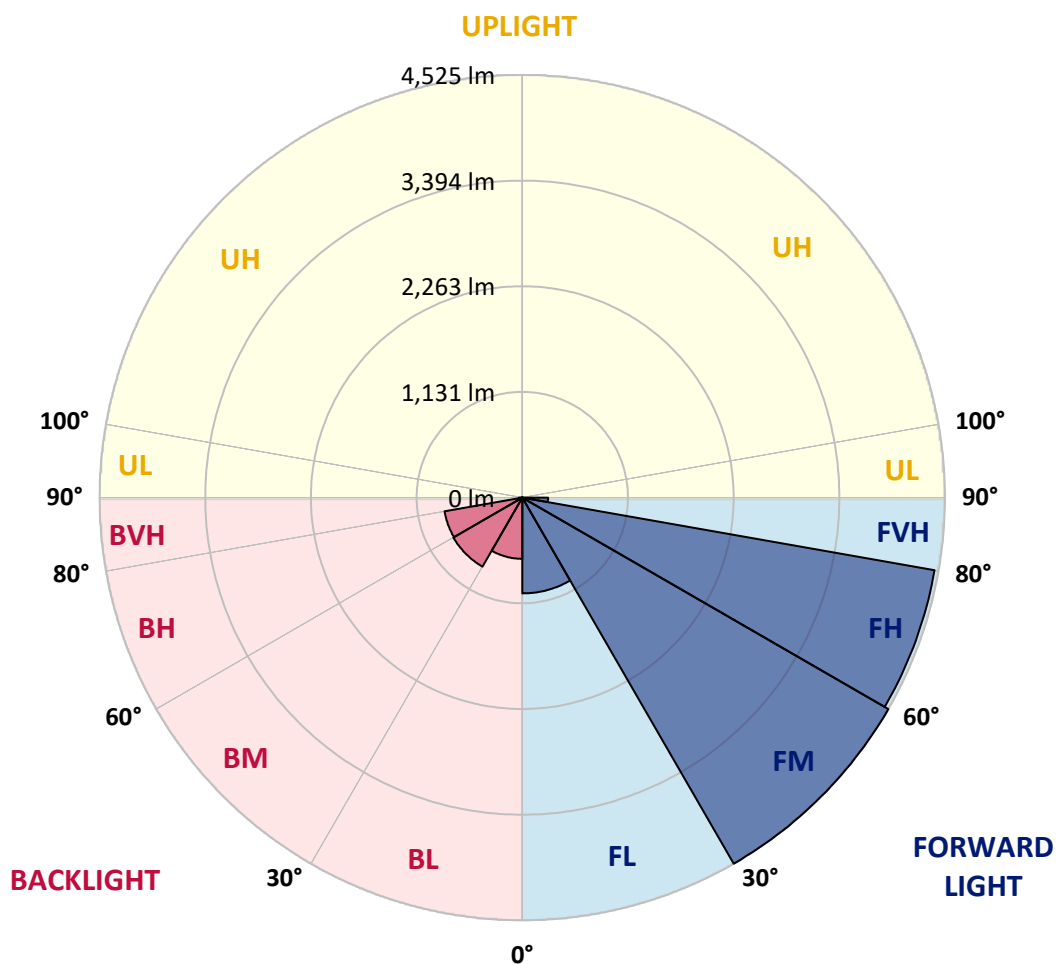
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1025.0	8.1			
FM	(30°-60°)	4525.0	35.6			
FH	(60°-80°)	4481.1	35.3			G2/5000
FVH	(80°-90°)	275.6	2.2			G3/500
BL	(0°-30°)	655.3	5.2	B2/1000		
BM	(30°-60°)	852.4	6.7	B1/1000		
BH	(60°-80°)	845.2	6.7	B2/1000		G2/1000
BVH	(80°-90°)	34.4	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-G3**

Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	2931.4	2931.4	2931.4	2931.4	2931.4	2931.4	2931.4	2931.4	2931.4	2931.4	2931.4
2.5°	2828.8	2840.0	2852.7	2866.7	2893.4	2908.2	2918.7	2930.7	2932.1	2938.4	2933.5
5°	2620.0	2633.3	2652.3	2679.0	2719.1	2781.7	2846.3	2899.1	2905.4	2934.9	2943.3
7.5°	2445.6	2453.4	2468.8	2511.7	2568.7	2638.3	2732.5	2839.3	2854.8	2925.1	2949.7
10°	2303.6	2311.4	2329.7	2373.9	2430.2	2517.3	2620.7	2761.3	2773.9	2894.8	2951.1
12.5°	2197.5	2204.5	2224.2	2267.8	2332.5	2414.0	2527.9	2676.9	2695.2	2854.8	2937.7
15°	2116.7	2130.0	2146.2	2182.0	2250.2	2328.9	2439.3	2599.6	2614.4	2812.6	2928.6
17.5°	2082.2	2088.5	2099.8	2132.8	2182.7	2260.1	2371.1	2539.1	2556.7	2783.1	2926.5
20°	2083.6	2089.9	2092.0	2110.3	2146.2	2213.0	2322.6	2491.3	2512.4	2757.1	2930.0
22.5°	2131.4	2132.1	2124.4	2118.1	2132.1	2187.7	2288.2	2455.5	2480.1	2745.8	2932.8
25°	2205.2	2217.9	2206.6	2177.1	2151.1	2177.8	2274.8	2435.8	2459.0	2729.6	2929.3
27.5°	2324.7	2326.8	2317.7	2277.6	2210.1	2190.5	2269.2	2421.0	2440.7	2717.7	2911.7
30°	2485.0	2478.7	2470.2	2426.0	2319.8	2239.0	2281.1	2407.7	2428.1	2700.1	2890.6
32.5°	2647.4	2667.1	2659.3	2607.3	2469.5	2333.2	2319.8	2406.3	2423.1	2686.8	2867.4
35°	2819.6	2828.8	2865.3	2838.6	2697.3	2485.7	2392.2	2428.1	2441.4	2687.5	2851.3
37.5°	2954.6	2979.2	3065.0	3088.2	2955.3	2687.5	2509.6	2489.9	2495.6	2721.9	2857.6
40°	3117.7	3159.9	3270.2	3365.1	3278.0	2949.7	2709.3	2604.5	2611.5	2804.9	2899.1
42.5°	3324.4	3353.9	3502.2	3630.9	3616.8	3296.2	2951.1	2792.2	2795.7	2970.1	3015.1
45°	3566.2	3608.4	3775.0	3968.3	4001.3	3688.5	3300.5	3076.2	3074.1	3226.6	3231.6
47.5°	3875.5	3901.5	4066.7	4277.6	4411.2	4181.3	3724.4	3483.9	3461.4	3600.6	3560.6
50°	4160.2	4201.0	4326.1	4556.7	4889.2	4758.4	4281.8	4012.6	3959.8	4089.9	4022.4
52.5°	4279.7	4322.6	4428.0	4714.1	5299.0	5505.0	4989.7	4643.1	4555.3	4655.1	4630.5
55°	4072.3	4127.9	4226.3	4574.2	5479.0	6366.1	5944.3	5372.1	5308.1	5265.3	5272.3
57.5°	3514.9	3567.6	3700.4	4084.3	5263.9	6991.1	7307.4	6309.2	6172.1	5974.6	6008.3
60°	2675.5	2708.6	2777.4	3202.7	4626.3	7153.5	8855.4	7493.7	7406.5	6681.1	6705.0
62.5°	1900.1	1937.4	1985.2	2197.5	3386.9	6695.8	10067.3	9147.8	8836.4	7412.9	7389.7
65°	1543.0	1517.7	1575.4	1674.5	1987.3	5189.3	10340.0	11443.7	11014.9	8376.6	8054.7
67.5°	1268.9	1242.2	1299.1	1475.5	1511.4	3012.2	9357.3	12934.0	12848.2	9424.8	8730.2
69°	1123.4	1109.3	1159.2	1360.3	1450.9	2139.1	8151.7	13141.4	13161.8	10042.7	8834.3
70°	1012.3	1017.9	1066.4	1301.9	1423.5	1763.8	6967.2	12855.3	13028.2	10351.3	8721.8
72.5°	745.2	757.1	824.6	1078.4	1397.5	1496.6	4146.1	11228.6	11534.4	10369.6	7978.7
75°	520.9	515.3	575.0	811.9	1320.2	1483.3	2435.1	8683.8	9030.4	8962.9	6704.3
77.5°	340.9	350.1	397.9	573.6	1110.7	1472.0	1587.3	6160.9	6385.8	5994.3	3965.5
80°	240.4	239.7	266.4	391.6	823.9	1414.4	1299.8	3883.2	3826.3	2355.7	1176.1
82.5°	137.8	147.6	178.6	275.6	551.1	1245.0	1195.8	1857.3	1695.6	671.3	397.2
85°	76.6	80.1	106.1	166.6	322.0	937.8	1043.9	845.0	797.2	280.5	170.8
87.5°	24.6	26.7	44.3	84.4	146.2	442.9	591.2	390.2	359.9	101.2	68.9
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°	2931.4	2931.4	2931.4	2931.4	2931.4	2931.4	2931.4	2931.4	2931.4	2931.4	2931.4
2.5°	2935.6	2944.1	2921.6	2899.8	2880.1	2852.7	2828.1	2807.7	2793.6	2791.5	2784.5
5°	2945.5	2946.2	2903.3	2845.6	2789.4	2727.5	2663.6	2617.9	2575.0	2551.1	2539.1
7.5°	2952.5	2946.2	2868.8	2775.3	2667.1	2554.6	2442.1	2352.1	2282.6	2255.1	2265.7
10°	2949.7	2930.0	2816.8	2667.1	2509.6	2341.6	2179.9	2053.4	1937.4	1877.6	1879.0
12.5°	2934.2	2901.9	2739.5	2545.5	2314.2	2089.2	1841.8	1671.0	1536.7	1457.3	1432.7
15°	2920.9	2864.6	2648.8	2380.3	2092.8	1771.5	1469.9	1259.0	1146.5	1084.0	1083.3
17.5°	2906.8	2828.8	2549.7	2205.2	1838.3	1424.9	1108.6	947.6	894.9	901.2	890.7
20°	2892.0	2786.6	2446.3	2010.5	1528.3	1062.9	830.2	764.8	779.6	808.4	812.6
22.5°	2875.2	2741.6	2335.3	1796.1	1202.1	800.0	673.4	663.6	701.6	746.6	752.9
25°	2849.1	2685.4	2195.4	1571.8	927.2	644.6	589.8	596.8	634.1	672.0	676.3
27.5°	2812.6	2615.8	2054.1	1292.1	696.6	553.2	539.2	548.3	566.6	589.8	595.4
30°	2763.4	2537.0	1891.7	1050.2	558.2	507.5	501.9	506.8	517.4	527.2	530.0
32.5°	2714.2	2461.1	1727.9	804.2	497.7	477.3	471.7	471.7	471.7	473.1	473.8
35°	2668.5	2389.4	1552.2	626.3	466.1	453.4	445.7	437.2	435.8	430.9	430.9
37.5°	2643.2	2324.0	1365.2	524.4	442.9	433.7	423.2	409.1	401.4	402.1	400.7
40°	2648.1	2281.1	1195.1	466.8	423.9	414.1	397.9	381.7	376.8	376.8	375.4
42.5°	2703.6	2267.1	1032.0	436.5	405.6	394.4	374.0	359.2	356.4	355.7	357.1
45°	2831.6	2301.5	885.7	416.9	390.2	373.3	352.9	339.5	336.7	336.7	336.0
47.5°	3081.1	2413.3	781.0	404.2	378.9	357.1	336.0	322.7	317.7	316.3	316.3
50°	3469.2	2655.8	703.0	393.0	364.8	342.3	320.6	305.1	297.4	296.7	296.0
52.5°	4008.4	3034.0	672.7	384.5	349.4	326.9	303.0	288.2	278.4	276.3	274.9
55°	4638.9	3562.0	714.2	378.2	333.2	309.3	284.7	269.2	260.1	255.9	255.2
57.5°	5369.3	4196.0	871.7	369.8	318.4	290.3	266.4	251.0	241.1	236.2	234.8
60°	6025.2	4847.7	1146.5	364.8	305.8	269.9	245.3	231.3	222.1	217.2	216.5
62.5°	6745.7	5469.1	1474.8	378.2	300.2	250.3	225.7	213.0	205.3	200.3	200.3
65°	7515.5	6091.3	1692.1	423.2	308.6	234.8	204.6	194.0	187.0	183.5	182.8
67.5°	8034.3	6306.4	1394.0	469.6	329.7	217.9	184.2	175.7	171.5	168.0	168.0
69°	7978.0	6034.3	1028.4	481.5	336.0	209.5	172.9	166.6	161.0	159.6	158.2
70°	7800.2	5724.3	861.8	473.8	331.1	201.8	165.9	158.2	153.2	151.8	151.1
72.5°	6947.5	4964.4	641.8	411.9	281.9	175.0	146.9	139.9	135.7	133.6	133.6
75°	5772.1	4057.6	501.2	327.6	220.7	147.6	125.8	120.2	116.7	115.3	114.6
77.5°	3235.1	2265.7	359.9	256.6	167.3	119.5	105.4	100.5	97.0	95.6	95.6
80°	901.2	647.4	211.6	169.4	113.9	90.7	83.7	80.1	75.2	71.7	73.8
82.5°	339.5	280.5	120.9	101.9	72.4	60.5	58.3	55.5	53.4	48.5	48.5
85°	165.2	136.4	77.3	54.1	40.1	31.6	30.2	28.8	27.4	23.9	24.6
87.5°	56.9	60.5	33.7	19.7	12.0	7.7	6.3	3.5	3.5	3.5	3.5
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)