

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: P323206

Luminaire Tested: **GAN-SA2C-740-U-SL2-HSS**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P323206  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-21)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAN-SA2C-740-U-SL2-HSS  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(2) 70 CRI, 4000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II  
SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11987 lumens  
Efficiency: N/A  
Efficacy: 106.1 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G2

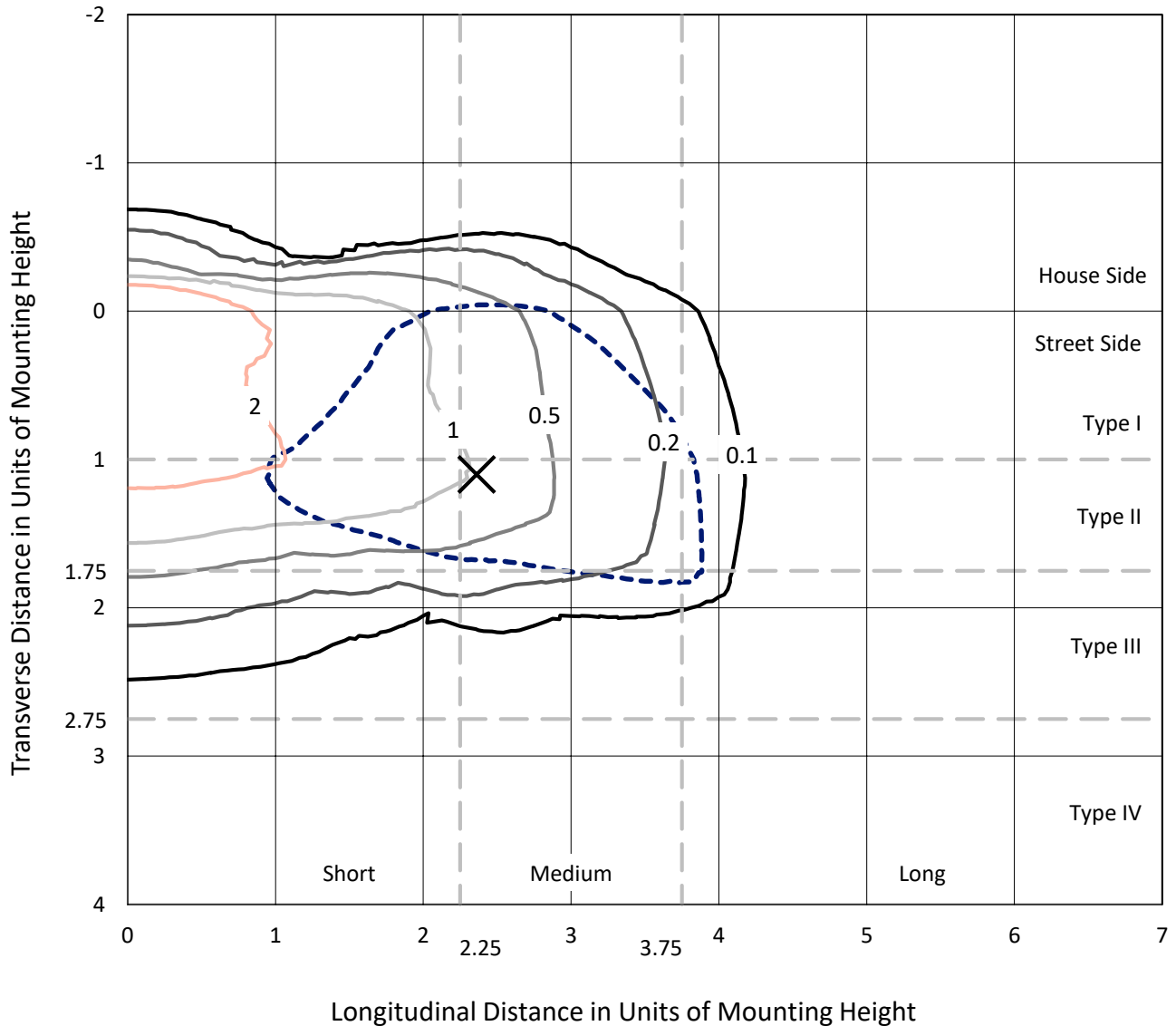
Input Watts (W): 113  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P323206  
 CATALOG NUMBER: GAN-SA2C-740-U-SL2-HSS

### Iso-Footcandle Lines of Horizontal Illumination

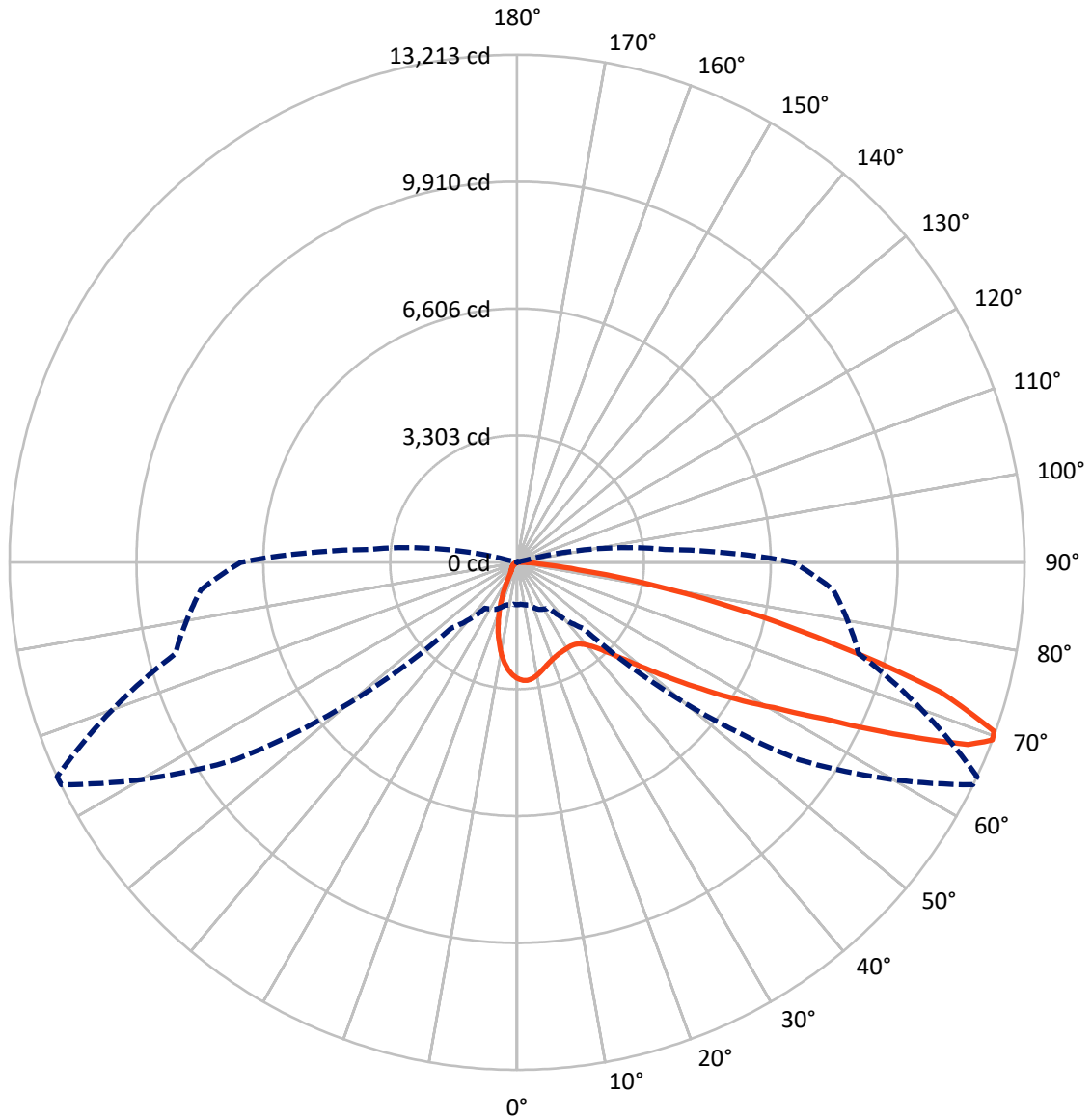
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.8 fc  
 Type III - Medium - N/A

REPORT NUMBER: P323206  
CATALOG NUMBER: GAN-SA2C-740-U-SL2-HSS

### Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral      - - - Horizontal Cone Through 69-Deg Vertical

REPORT NUMBER: P323206  
 CATALOG NUMBER: GAN-SA2C-740-U-SL2-HSS

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1413.0	0.0	1413.0
	% Fixture	11.8	0.0	11.8
<b>Street Side</b>	Lumens	10574.0	0.0	10574.0
	% Fixture	88.2	0.0	88.2
<b>Total</b>	Lumens	11987.0	0.0	11987.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	253.3	2.1
10°-20°	554.5	4.6
20°-30°	768.0	6.4
30°-40°	1070.8	8.9
40°-50°	1664.4	13.9
50°-60°	2672.0	22.3
60°-70°	3022.5	25.2
70°-80°	1775.1	14.8
80°-90°	206.5	1.7
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°	11987.0	100.0
0°-180°	11987.0	100.0

**Coefficient of Utilization**

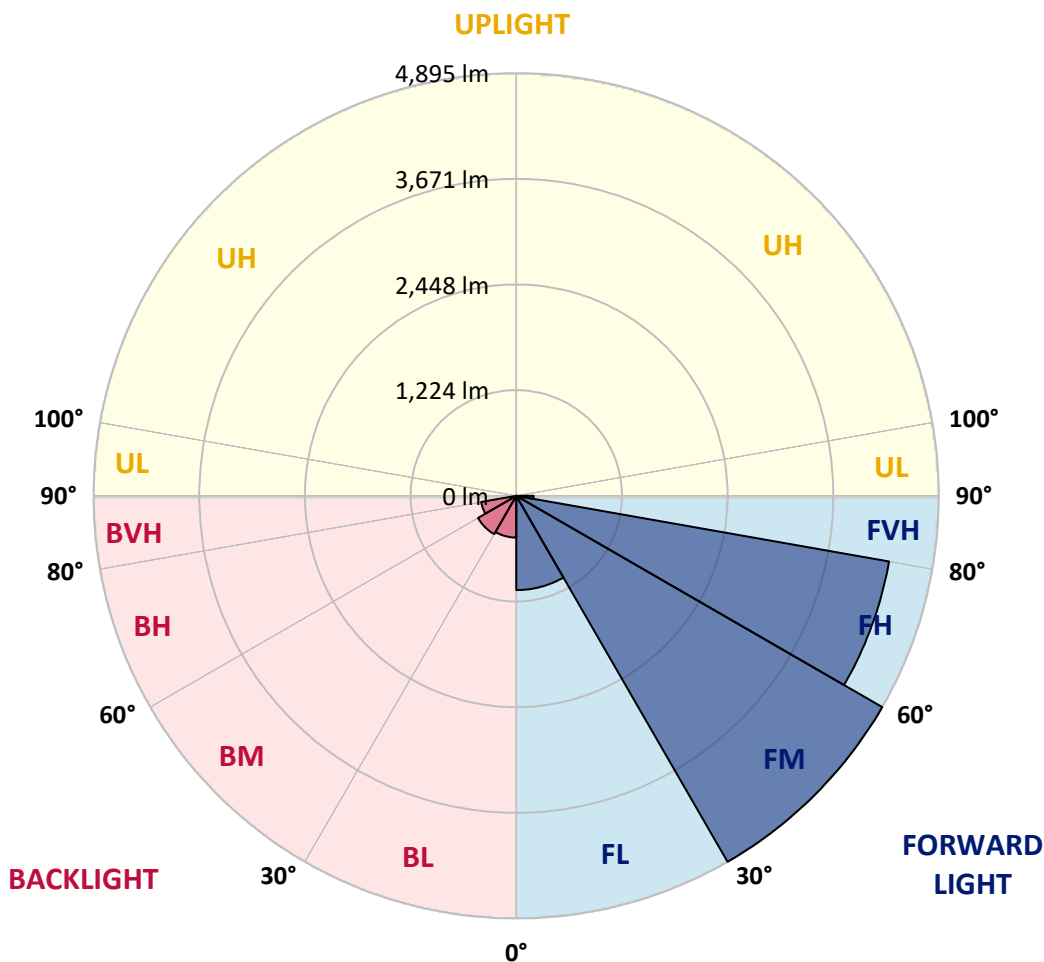


REPORT NUMBER: P323206  
 CATALOG NUMBER: GAN-SA2C-740-U-SL2-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1092.3	9.1			
FM (30°-60°)	4895.1	40.8			
FH (60°-80°)	4384.7	36.6			G2/5000
FVH (80°-90°)	201.9	1.7			G2/225
BL (0°-30°)	483.5	4.0	B1/500		
BM (30°-60°)	512.0	4.3	B1/1000		
BH (60°-80°)	412.9	3.4	B1/500		G1/500
BVH (80°-90°)	4.6	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**  
 Type III Medium





REPORT NUMBER: P323206

CATALOG NUMBER: GAN-SA2C-740-U-SL2-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	3029.1	3029.1	3029.1	3029.1	3029.1	3029.1	3029.1	3029.1	3029.1	3029.1	3029.1
2.5°	3056.0	3048.4	3054.5	3067.7	3074.3	3074.3	3079.4	3073.3	3075.3	3060.6	3039.3
5°	2864.8	2853.1	2869.9	2906.9	2952.5	2991.6	3049.4	3079.9	3082.9	3083.4	3058.6
7.5°	2658.9	2648.2	2673.1	2716.7	2775.5	2848.1	2949.0	3037.3	3042.3	3090.0	3071.7
10°	2491.5	2483.9	2512.8	2559.4	2628.4	2709.6	2833.3	2956.1	2970.8	3076.3	3069.7
12.5°	2358.6	2352.5	2379.9	2433.7	2504.2	2593.9	2723.3	2865.8	2885.6	3045.4	3059.6
15°	2261.7	2260.7	2283.5	2335.3	2413.4	2497.1	2629.4	2782.1	2804.9	3011.9	3058.0
17.5°	2211.0	2212.5	2229.2	2273.4	2340.3	2423.5	2550.3	2711.6	2736.5	2982.0	3065.7
20°	2205.9	2207.4	2216.6	2241.4	2295.7	2369.2	2485.9	2652.3	2678.1	2959.6	3077.8
22.5°	2250.5	2249.5	2252.1	2249.5	2280.0	2335.8	2443.3	2606.6	2636.5	2944.9	3087.5
25°	2336.3	2334.7	2333.7	2315.0	2294.7	2324.6	2425.5	2580.8	2609.2	2934.3	3093.0
27.5°	2455.5	2454.5	2452.9	2422.0	2361.1	2342.4	2427.6	2571.1	2595.0	2925.7	3092.0
30°	2612.2	2619.3	2617.3	2574.2	2479.3	2396.6	2448.9	2566.0	2586.8	2908.9	3081.4
32.5°	2796.3	2810.5	2821.7	2775.5	2656.8	2504.2	2498.1	2571.6	2586.8	2896.2	3062.1
35°	2987.5	3005.8	3046.9	3030.7	2874.4	2666.0	2582.8	2605.1	2617.8	2903.3	3053.0
37.5°	3175.7	3197.5	3286.8	3334.0	3159.5	2880.0	2714.7	2687.8	2694.4	2946.5	3063.1
40°	3394.3	3427.3	3562.7	3638.8	3499.8	3166.6	2912.0	2829.8	2832.3	3041.3	3110.3
42.5°	3681.4	3715.4	3862.0	3981.2	3883.3	3528.8	3179.8	3046.9	3044.4	3218.8	3221.4
45°	4031.4	4066.9	4218.6	4351.0	4306.8	3957.9	3522.7	3363.9	3360.9	3498.8	3431.9
47.5°	4428.1	4463.1	4598.5	4734.9	4782.6	4459.0	3959.4	3796.6	3789.5	3887.9	3757.0
50°	4768.4	4791.2	4916.0	5099.6	5314.7	5074.8	4502.6	4345.9	4338.3	4404.7	4234.3
52.5°	4892.2	4905.4	5032.2	5289.3	5826.0	5908.6	5216.3	5014.4	5008.8	5037.7	4869.8
55°	4641.6	4665.4	4821.2	5202.6	6102.9	6851.1	6117.1	5842.2	5800.1	5737.7	5534.3
57.5°	3958.9	3996.9	4164.3	4671.5	5973.6	7598.7	7441.0	6778.5	6716.6	6335.2	6074.5
60°	2966.2	3012.9	3151.9	3699.2	5283.2	7865.0	8887.6	7821.9	7682.4	6811.0	6571.1
62.5°	2035.5	2058.8	2153.2	2509.7	3890.9	7428.8	10097.8	9219.3	8964.7	7328.4	7108.2
65°	1554.6	1562.8	1601.3	1724.1	2317.0	6034.4	10579.2	11063.0	10755.2	7947.2	7665.7
67.5°	1252.8	1246.2	1299.5	1475.0	1551.6	3681.4	10017.7	12807.4	12663.3	8774.5	8226.7
69°	1104.7	1095.6	1149.9	1353.8	1457.3	2433.7	8955.5	13203.5	13212.7	9211.2	8265.2
70°	994.2	1000.2	1054.0	1281.8	1425.3	1910.2	7941.1	13102.6	13174.6	9374.5	8033.9
72.5°	664.0	680.2	788.2	1064.2	1370.5	1445.6	4794.8	11243.6	11520.6	9006.8	6892.7
75°	374.3	386.5	514.8	802.4	1291.4	1376.6	2532.6	8283.5	8551.3	7531.8	5315.2
77.5°	183.6	190.2	291.1	517.9	1079.9	1311.7	1436.5	5626.6	5932.5	4916.0	3006.3
80°	77.6	81.2	145.6	319.6	772.0	1251.8	1066.7	3462.8	3500.9	1925.9	800.9
82.5°	29.9	30.9	61.4	199.3	490.5	975.9	892.2	1641.9	1602.3	362.7	182.6
85°	3.6	4.1	22.3	119.7	272.9	502.2	724.8	707.6	654.8	72.0	93.8
87.5°	0.0	0.0	1.5	36.5	81.2	235.4	376.9	293.7	264.8	23.3	48.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P323206  
 CATALOG NUMBER: GAN-SA2C-740-U-SL2-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3029.1	3029.1	3029.1	3029.1	3029.1	3029.1	3029.1	3029.1	3029.1	3029.1	3029.1
2.5°	3021.5	3016.5	2989.1	2949.5	2912.0	2865.3	2820.7	2793.8	2772.5	2758.3	2775.0
5°	3029.6	3007.3	2924.1	2817.6	2713.1	2595.5	2485.9	2393.1	2356.6	2316.0	2334.2
7.5°	3027.1	2985.0	2835.4	2645.7	2453.9	2255.6	2067.9	1923.4	1848.3	1774.8	1793.5
10°	3014.4	2943.4	2716.7	2435.7	2148.6	1863.5	1597.2	1394.9	1281.8	1179.3	1194.0
12.5°	2986.5	2887.6	2576.7	2195.3	1811.3	1435.4	1123.5	864.3	725.3	664.0	671.6
15°	2969.8	2833.3	2428.6	1951.8	1451.2	999.7	686.8	510.8	447.4	427.1	429.6
17.5°	2961.7	2781.1	2275.4	1673.3	1082.9	636.6	443.8	391.6	377.9	374.3	375.3
20°	2953.6	2728.4	2117.7	1397.9	746.1	428.1	364.7	349.5	344.4	339.8	340.9
22.5°	2939.9	2677.6	1948.2	1118.9	503.2	347.4	328.7	314.0	303.3	297.7	298.8
25°	2923.1	2624.4	1775.3	833.4	367.2	309.9	292.2	271.4	258.7	248.5	249.0
27.5°	2896.2	2558.9	1596.7	606.6	308.4	277.5	253.6	230.8	209.5	197.8	197.8
30°	2858.7	2484.9	1398.4	434.2	276.4	245.5	216.6	188.2	165.4	154.7	153.7
32.5°	2817.1	2407.8	1198.1	329.2	251.1	215.6	182.6	152.7	132.4	123.8	123.3
35°	2781.6	2324.6	998.2	275.9	225.7	186.7	150.6	125.3	109.1	102.0	101.4
37.5°	2758.8	2241.4	803.4	246.5	202.9	159.8	126.3	103.5	91.8	86.2	85.7
40°	2755.2	2179.5	625.4	224.2	181.6	135.9	105.5	87.7	77.1	71.0	70.5
42.5°	2801.4	2144.0	479.8	205.4	159.8	115.1	89.8	75.1	63.9	57.8	57.3
45°	2922.6	2155.2	369.3	188.7	138.0	97.4	76.1	62.4	52.2	47.7	46.7
47.5°	3143.8	2232.3	293.7	171.9	117.2	82.7	64.9	51.7	43.1	38.5	38.0
50°	3537.4	2413.4	245.5	153.7	97.9	70.5	53.8	42.1	35.0	30.9	30.4
52.5°	4059.8	2736.0	219.1	135.9	81.2	59.9	44.1	33.5	27.4	24.3	23.8
55°	4636.0	3126.5	201.9	116.7	66.4	49.7	35.0	26.4	21.3	18.8	17.8
57.5°	5198.5	3464.8	185.6	97.9	55.3	40.6	27.9	20.8	16.7	14.2	13.7
60°	5715.4	3775.8	166.9	78.6	45.1	32.0	21.8	16.2	13.2	10.7	10.7
62.5°	6268.8	4016.2	141.0	61.4	37.0	24.3	17.8	14.7	10.7	9.1	8.6
65°	6855.1	4194.7	110.6	47.7	28.9	18.3	14.7	15.2	8.6	6.6	6.1
67.5°	7288.3	4159.2	81.7	37.5	22.3	14.2	14.2	16.2	7.6	5.1	4.6
69°	7192.9	3870.6	68.5	32.5	19.3	12.2	13.2	16.2	7.1	4.6	4.1
70°	6916.5	3551.1	60.4	28.9	17.2	11.2	12.7	15.7	6.6	4.6	4.1
72.5°	5760.0	2674.6	47.2	21.8	13.7	9.1	10.7	13.7	6.6	4.6	3.6
75°	4332.7	1711.9	36.0	15.7	10.1	7.1	8.1	10.1	6.6	4.1	3.6
77.5°	2357.6	617.3	25.9	10.7	7.1	5.6	5.6	7.6	6.1	3.0	2.0
80°	606.1	155.2	16.2	7.1	5.6	4.1	3.6	5.1	3.6	0.5	0.0
82.5°	149.6	35.0	8.6	5.1	4.1	1.5	1.5	2.5	1.5	0.0	0.0
85°	82.2	17.2	5.6	3.6	2.0	0.0	0.0	0.5	0.0	0.0	0.0
87.5°	42.1	5.1	1.5	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0
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)