

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: P323286

Luminaire Tested: **GAN-SA2C-760-U-SL2-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P323286
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-760-U-SL2-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 5700K, 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: 11986 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

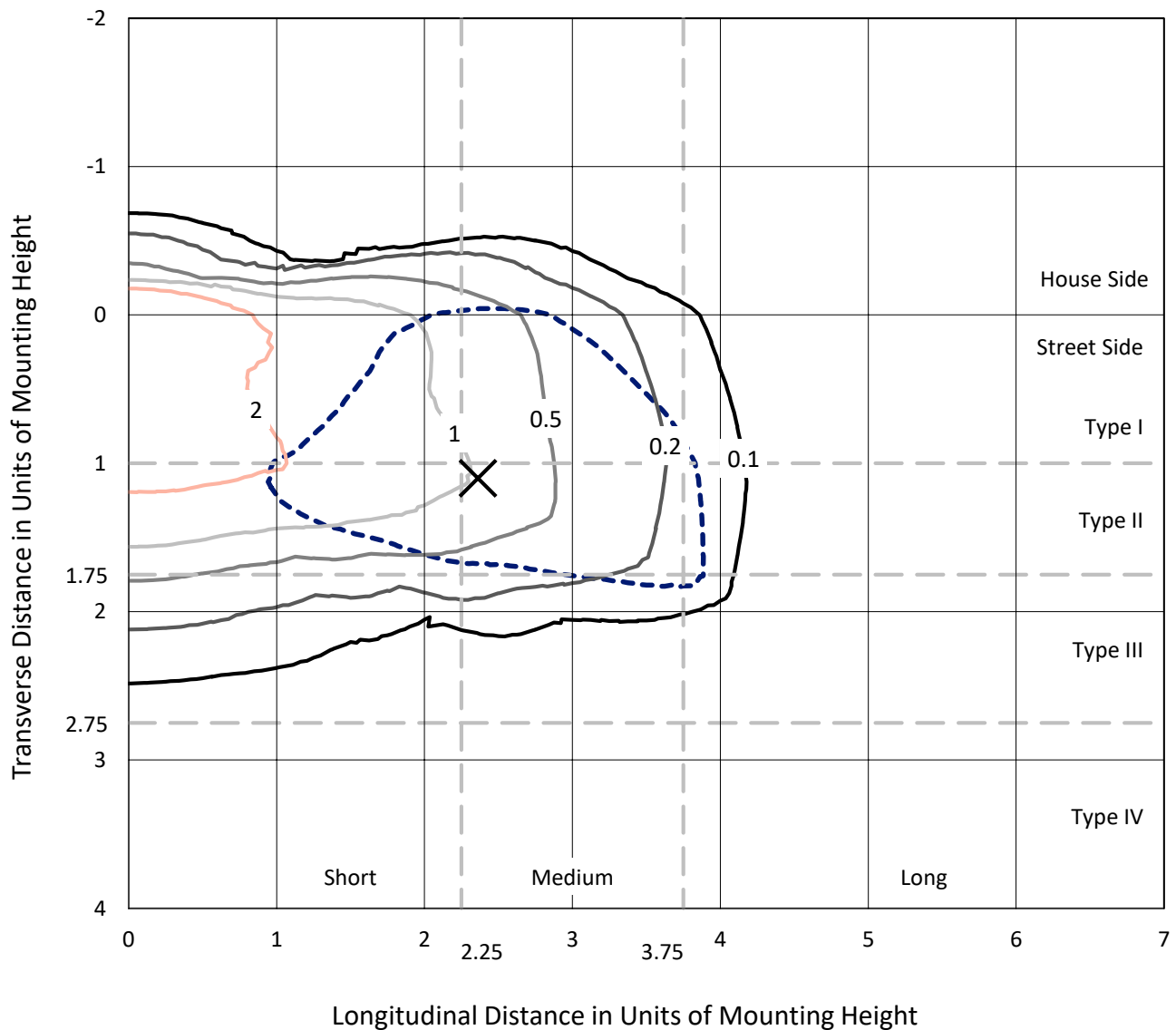
Input Watts (W): 113
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

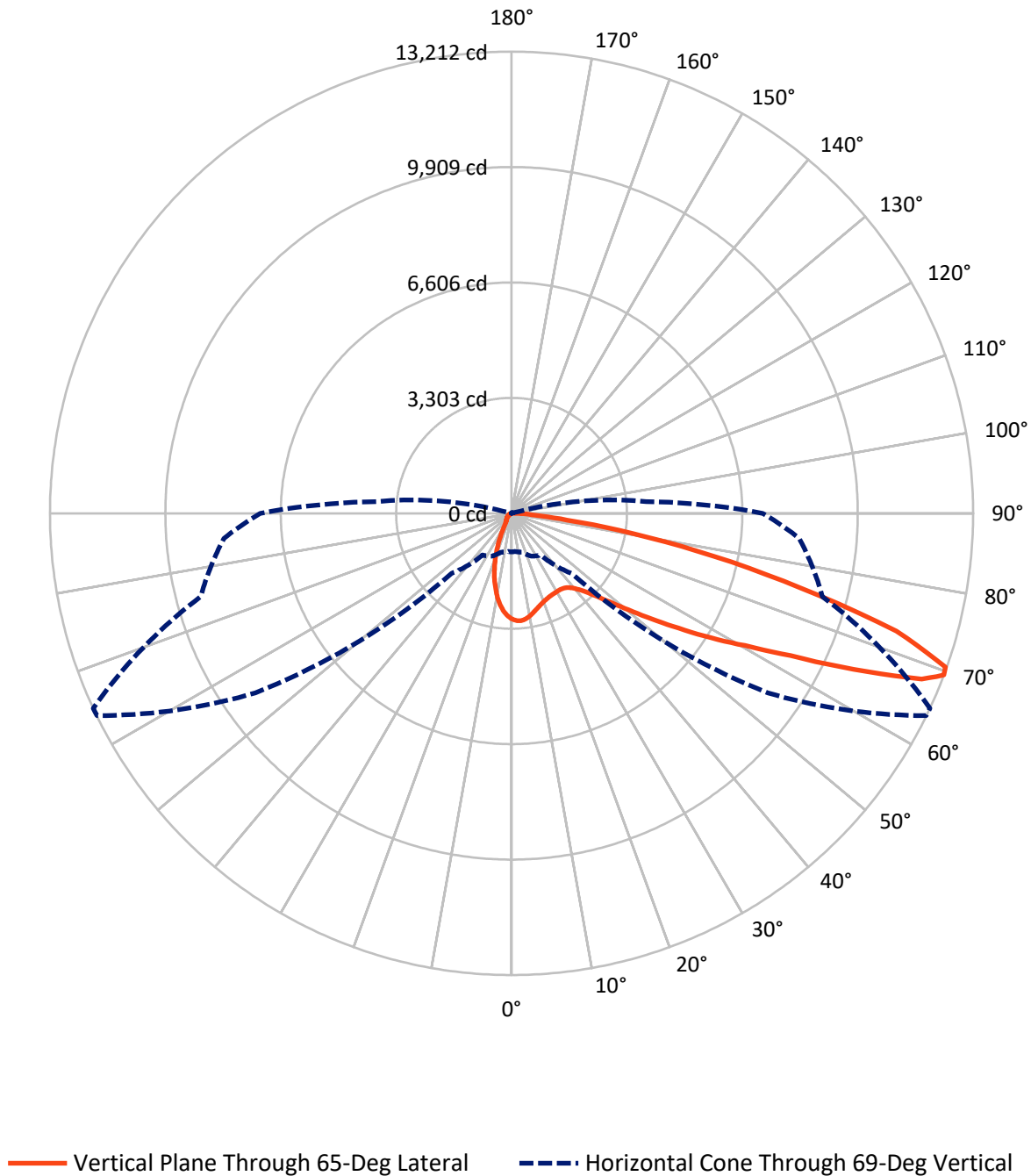
× Max cd
- - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1412.9	0.0	1412.9
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	10573.1	0.0	10573.1
	% Fixture	88.2	0.0	88.2
Total	Lumens	11986.0	0.0	11986.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	253.3	2.1
10°-20°	554.4	4.6
20°-30°	767.9	6.4
30°-40°	1070.7	8.9
40°-50°	1664.2	13.9
50°-60°	2671.8	22.3
60°-70°	3022.2	25.2
70°-80°	1775.0	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°	11986.0	100.0
0°-180°	11986.0	100.0

Coefficient of Utilization



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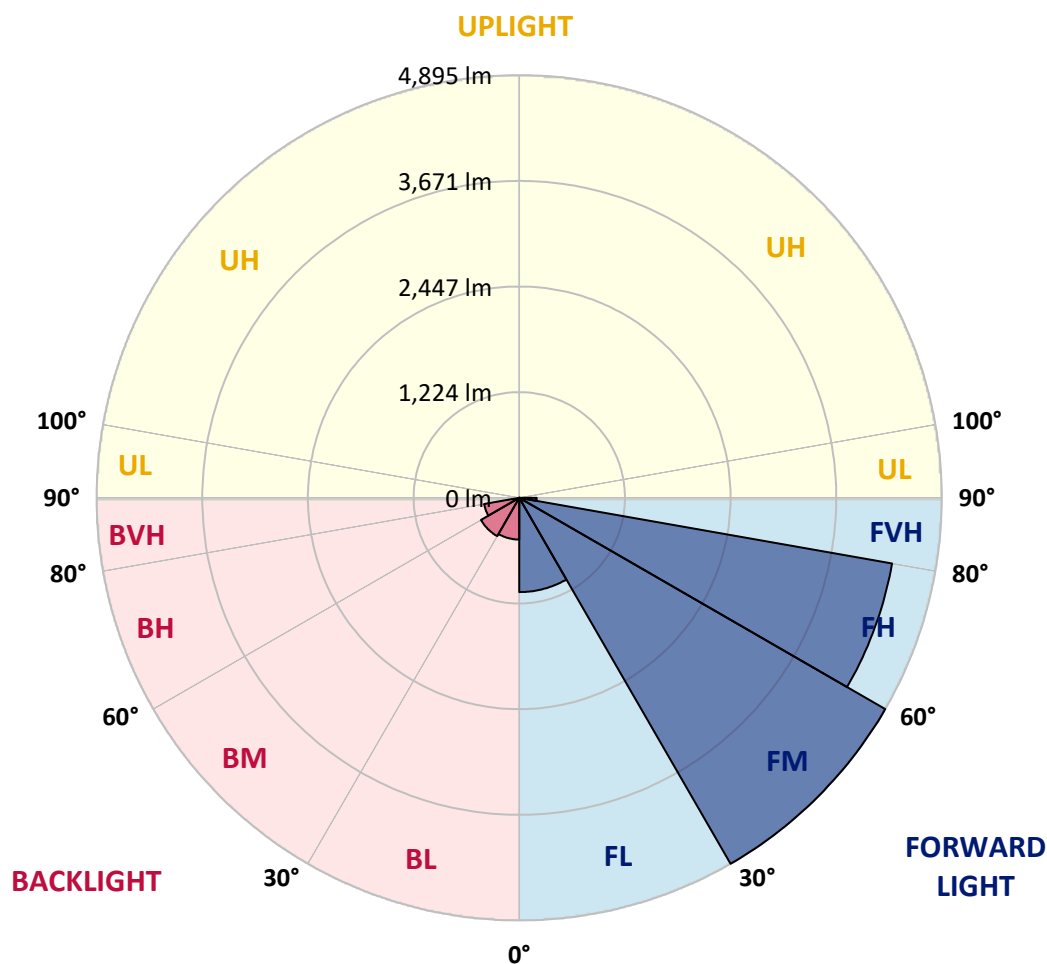
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1092.2	9.1			
FM	(30°-60°)	4894.7	40.8			
FH	(60°-80°)	4384.4	36.6			G2/5000
FVH	(80°-90°)	201.8	1.7			G2/225
BL	(0°-30°)	483.4	4.0	B1/500		
BM	(30°-60°)	512.0	4.3	B1/1000		
BH	(60°-80°)	412.8	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	3028.9	3028.9	3028.9	3028.9	3028.9	3028.9	3028.9	3028.9	3028.9	3028.9	3028.9
2.5°	3055.8	3048.2	3054.2	3067.4	3074.0	3074.0	3079.1	3073.0	3075.0	3060.3	3039.0
5°	2864.6	2852.9	2869.6	2906.7	2952.3	2991.4	3049.2	3079.6	3082.6	3083.2	3058.3
7.5°	2658.6	2648.0	2672.8	2716.5	2775.3	2847.8	2948.7	3037.0	3042.1	3089.7	3071.5
10°	2491.3	2483.7	2512.6	2559.2	2628.2	2709.4	2833.1	2955.8	2970.6	3076.1	3069.5
12.5°	2358.4	2352.3	2379.7	2433.5	2504.0	2593.7	2723.1	2865.6	2885.4	3045.1	3059.3
15°	2261.5	2260.5	2283.3	2335.1	2413.2	2496.9	2629.2	2781.9	2804.7	3011.6	3057.8
17.5°	2210.8	2212.3	2229.1	2273.2	2340.1	2423.3	2550.1	2711.4	2736.2	2981.7	3065.4
20°	2205.7	2207.3	2216.4	2241.2	2295.5	2369.0	2485.7	2652.0	2677.9	2959.4	3077.6
22.5°	2250.4	2249.3	2251.9	2249.3	2279.8	2335.6	2443.1	2606.4	2636.3	2944.7	3087.2
25°	2336.1	2334.6	2333.5	2314.8	2294.5	2324.4	2425.3	2580.5	2608.9	2934.0	3092.8
27.5°	2455.3	2454.2	2452.7	2421.8	2360.9	2342.2	2427.4	2570.9	2594.7	2925.4	3091.8
30°	2612.0	2619.1	2617.1	2573.9	2479.1	2396.4	2448.7	2565.8	2586.6	2908.7	3081.1
32.5°	2796.1	2810.3	2821.4	2775.3	2656.6	2504.0	2497.9	2571.4	2586.6	2896.0	3061.8
35°	2987.3	3005.6	3046.6	3030.4	2874.2	2665.7	2582.6	2604.9	2617.6	2903.1	3052.7
37.5°	3175.5	3197.3	3286.5	3333.7	3159.2	2879.8	2714.4	2687.6	2694.1	2946.2	3062.9
40°	3394.1	3427.0	3562.4	3638.5	3499.5	3166.3	2911.7	2829.6	2832.1	3041.1	3110.0
42.5°	3681.1	3715.1	3861.7	3980.9	3883.0	3528.5	3179.5	3046.6	3044.1	3218.6	3221.1
45°	4031.1	4066.6	4218.2	4350.6	4306.5	3957.5	3522.4	3363.6	3360.6	3498.5	3431.6
47.5°	4427.7	4462.7	4598.1	4734.5	4782.2	4458.6	3959.1	3796.2	3789.1	3887.5	3756.7
50°	4768.0	4790.8	4915.6	5099.2	5314.2	5074.3	4502.2	4345.5	4337.9	4404.4	4233.9
52.5°	4891.8	4904.9	5031.7	5288.9	5825.5	5908.1	5215.8	5014.0	5008.4	5037.3	4869.4
55°	4641.2	4665.0	4820.8	5202.2	6102.4	6850.5	6116.6	5841.7	5799.6	5737.2	5533.8
57.5°	3958.5	3996.6	4164.0	4671.1	5973.1	7598.1	7440.3	6778.0	6716.1	6334.7	6074.0
60°	2966.0	3012.7	3151.6	3698.9	5282.8	7864.3	8886.8	7821.2	7681.8	6810.4	6570.5
62.5°	2035.3	2058.6	2153.0	2509.5	3890.6	7428.2	10097.0	9218.5	8963.9	7327.7	7107.6
65°	1554.5	1562.6	1601.2	1723.9	2316.8	6033.9	10578.3	11062.1	10754.3	7946.5	7665.0
67.5°	1252.7	1246.1	1299.4	1474.9	1551.5	3681.1	10016.8	12806.3	12662.3	8773.7	8226.0
69°	1104.6	1095.5	1149.8	1353.7	1457.1	2433.5	8954.8	13202.4	13211.6	9210.4	8264.5
70°	994.1	1000.2	1053.9	1281.6	1425.2	1910.0	7940.4	13101.5	13173.5	9373.7	8033.2
72.5°	663.9	680.1	788.2	1064.1	1370.4	1445.5	4794.4	11242.7	11519.6	9006.0	6892.1
75°	374.3	386.5	514.8	802.4	1291.3	1376.5	2532.4	8282.8	8550.6	7531.1	5314.7
77.5°	183.6	190.2	291.1	517.8	1079.8	1311.6	1436.3	5626.2	5932.0	4915.6	3006.1
80°	77.6	81.1	145.6	319.5	771.9	1251.7	1066.6	3462.5	3500.6	1925.8	800.8
82.5°	29.9	30.9	61.4	199.3	490.4	975.8	892.1	1641.7	1602.2	362.6	182.6
85°	3.6	4.1	22.3	119.7	272.9	502.1	724.8	707.5	654.8	72.0	93.8
87.5°	0.0	0.0	1.5	36.5	81.1	235.3	376.8	293.7	264.7	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3028.9	3028.9	3028.9	3028.9	3028.9	3028.9	3028.9	3028.9	3028.9	3028.9	3028.9
2.5°	3021.3	3016.2	2988.8	2949.3	2911.7	2865.1	2820.4	2793.6	2772.2	2758.0	2774.8
5°	3029.4	3007.1	2923.9	2817.4	2712.9	2595.2	2485.7	2392.9	2356.4	2315.8	2334.0
7.5°	3026.9	2984.8	2835.1	2645.5	2453.7	2255.4	2067.8	1923.2	1848.2	1774.6	1793.4
10°	3014.2	2943.2	2716.5	2435.5	2148.4	1863.4	1597.1	1394.7	1281.6	1179.2	1193.9
12.5°	2986.3	2887.4	2576.5	2195.1	1811.1	1435.3	1123.4	864.2	725.3	663.9	671.5
15°	2969.5	2833.1	2428.4	1951.6	1451.0	999.7	686.7	510.7	447.3	427.0	429.6
17.5°	2961.4	2780.9	2275.2	1673.2	1082.8	636.5	443.8	391.5	377.8	374.3	375.3
20°	2953.3	2728.1	2117.5	1397.8	746.1	428.1	364.7	349.4	344.4	339.8	340.8
22.5°	2939.6	2677.4	1948.1	1118.8	503.1	347.4	328.7	313.9	303.3	297.7	298.7
25°	2922.9	2624.2	1775.1	833.3	367.2	309.9	292.1	271.3	258.7	248.5	249.0
27.5°	2896.0	2558.7	1596.6	606.6	308.4	277.4	253.6	230.8	209.5	197.8	197.8
30°	2858.5	2484.7	1398.3	434.1	276.4	245.5	216.6	188.2	165.3	154.7	153.7
32.5°	2816.9	2407.6	1198.0	329.2	251.1	215.6	182.6	152.7	132.4	123.8	123.2
35°	2781.4	2324.4	998.1	275.9	225.7	186.6	150.6	125.3	109.0	101.9	101.4
37.5°	2758.6	2241.2	803.4	246.5	202.9	159.8	126.3	103.5	91.8	86.2	85.7
40°	2755.0	2179.4	625.4	224.2	181.6	135.9	105.5	87.7	77.1	71.0	70.5
42.5°	2801.2	2143.9	479.8	205.4	159.8	115.1	89.8	75.1	63.9	57.8	57.3
45°	2922.4	2155.0	369.2	188.7	138.0	97.4	76.1	62.4	52.2	47.7	46.7
47.5°	3143.5	2232.1	293.7	171.9	117.2	82.7	64.9	51.7	43.1	38.5	38.0
50°	3537.1	2413.2	245.5	153.7	97.9	70.5	53.8	42.1	35.0	30.9	30.4
52.5°	4059.5	2735.7	219.1	135.9	81.1	59.8	44.1	33.5	27.4	24.3	23.8
55°	4635.6	3126.3	201.9	116.7	66.4	49.7	35.0	26.4	21.3	18.8	17.8
57.5°	5198.1	3464.6	185.6	97.9	55.3	40.6	27.9	20.8	16.7	14.2	13.7
60°	5714.9	3775.5	166.9	78.6	45.1	32.0	21.8	16.2	13.2	10.7	10.7
62.5°	6268.2	4015.9	141.0	61.4	37.0	24.3	17.8	14.7	10.7	9.1	8.6
65°	6854.5	4194.4	110.6	47.7	28.9	18.3	14.7	15.2	8.6	6.6	6.1
67.5°	7287.7	4158.9	81.7	37.5	22.3	14.2	14.2	16.2	7.6	5.1	4.6
69°	7192.3	3870.3	68.5	32.5	19.3	12.2	13.2	16.2	7.1	4.6	4.1
70°	6915.9	3550.8	60.4	28.9	17.2	11.2	12.7	15.7	6.6	4.6	4.1
72.5°	5759.5	2674.4	47.2	21.8	13.7	9.1	10.7	13.7	6.6	4.6	3.6
75°	4332.3	1711.7	36.0	15.7	10.1	7.1	8.1	10.1	6.6	4.1	3.6
77.5°	2357.4	617.2	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)