

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: STREETWORKS

Report Number: P386804

Luminaire Tested: GAW-SA2C-730-U-SL2-HSS

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2019
Report Number: P386804
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
Product Line: STREETWORKS
Catalog Number: GAW-SA2C-730-U-SL2-HSS
Description: GALLEON WALL LUMINAIRE
(2) 70 CRI, 3000K, 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: 11134 lumens
Efficiency: N/A
Efficacy: 98.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

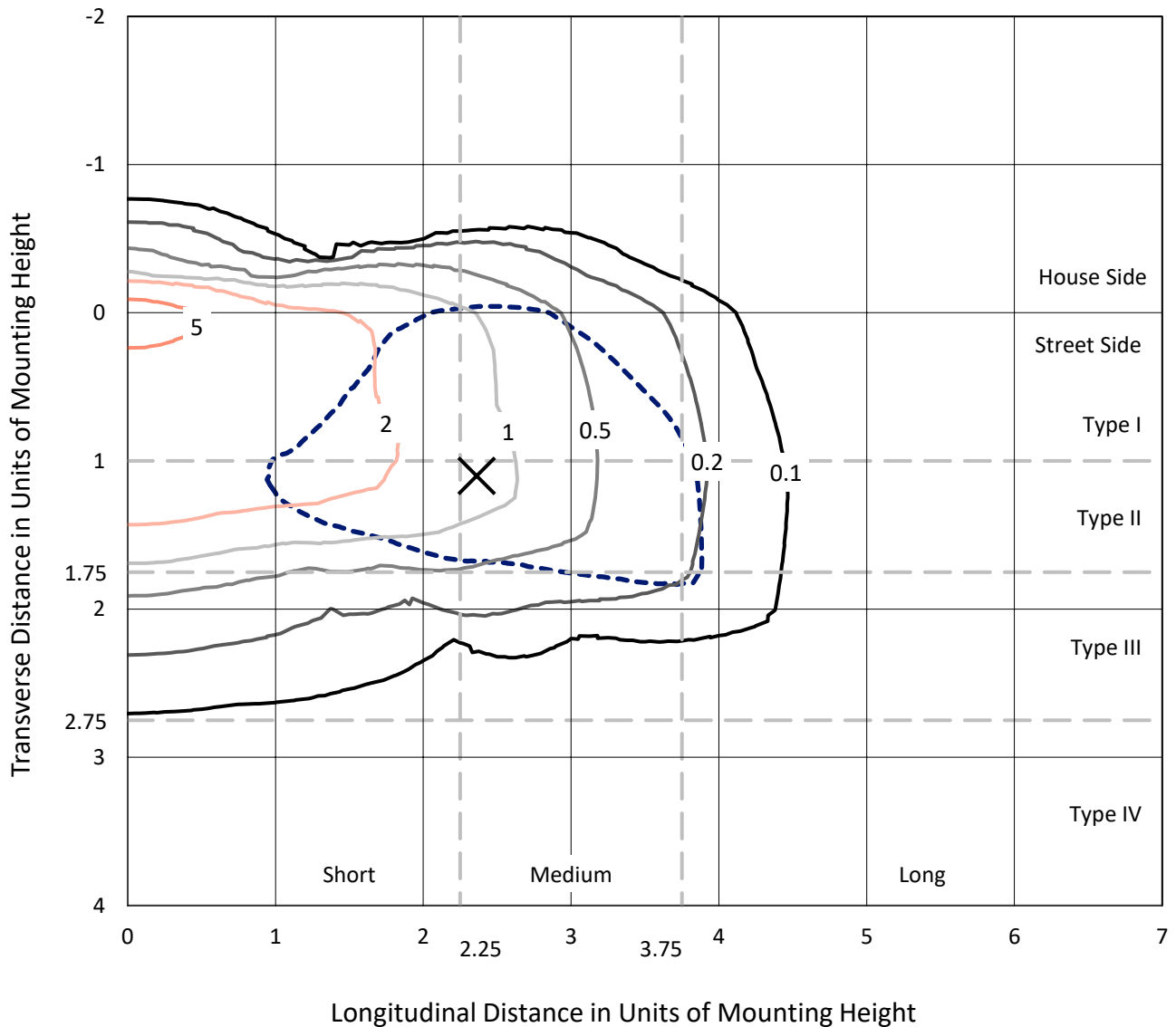
Input Watts (W): 113
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

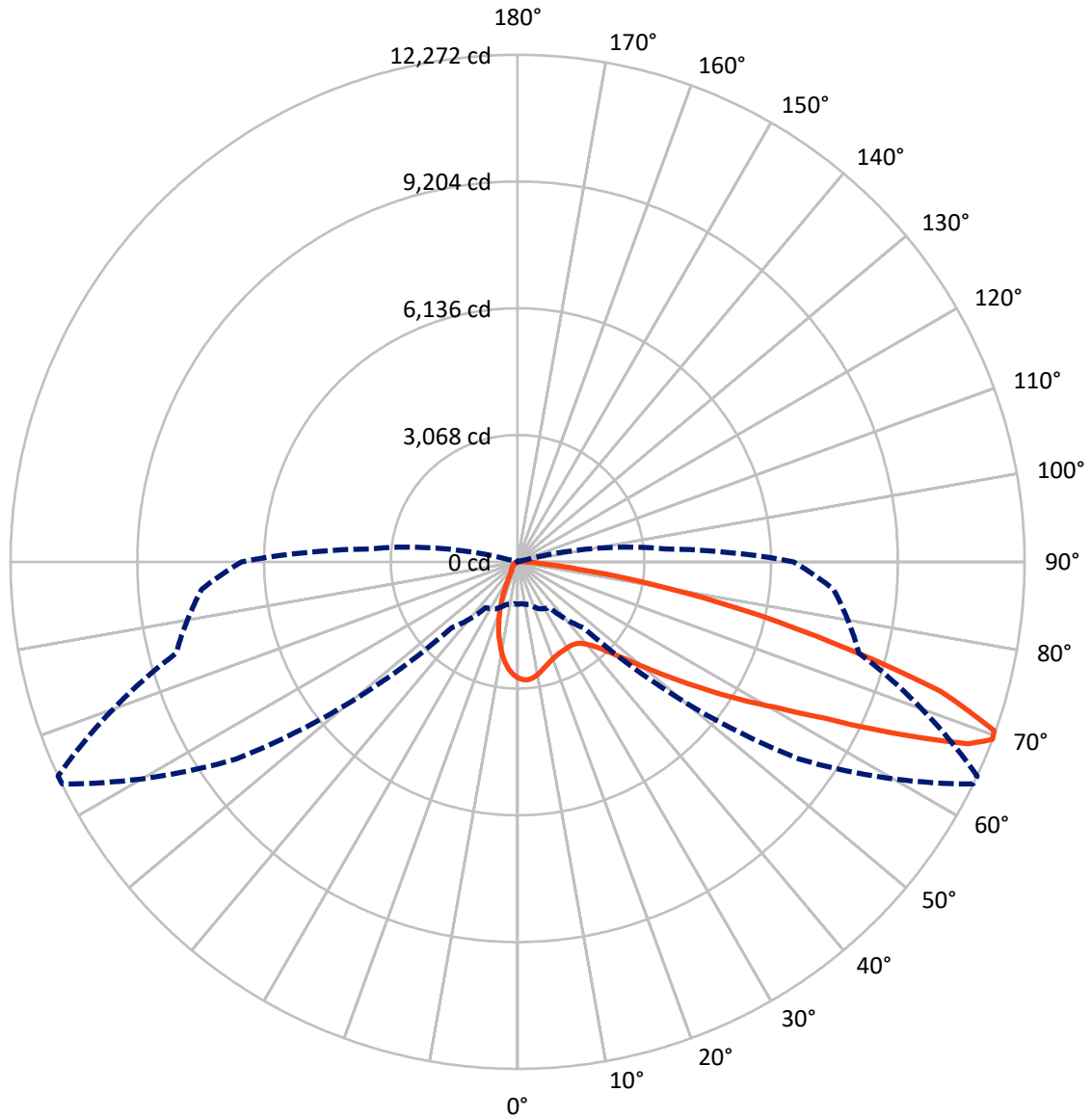
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 7 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1312.4	0.0	1312.4
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	9821.6	0.0	9821.6
	% Fixture	88.2	0.0	88.2
Total	Lumens	11134.0	0.0	11134.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	235.3	2.1
10°-20°	515.0	4.6
20°-30°	713.3	6.4
30°-40°	994.6	8.9
40°-50°	1545.9	13.9
50°-60°	2481.8	22.3
60°-70°	2807.4	25.2
70°-80°	1648.8	14.8
80°-90°	191.8	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°	11134.0	100.0
0°-180°	11134.0	100.0

Coefficient of Utilization

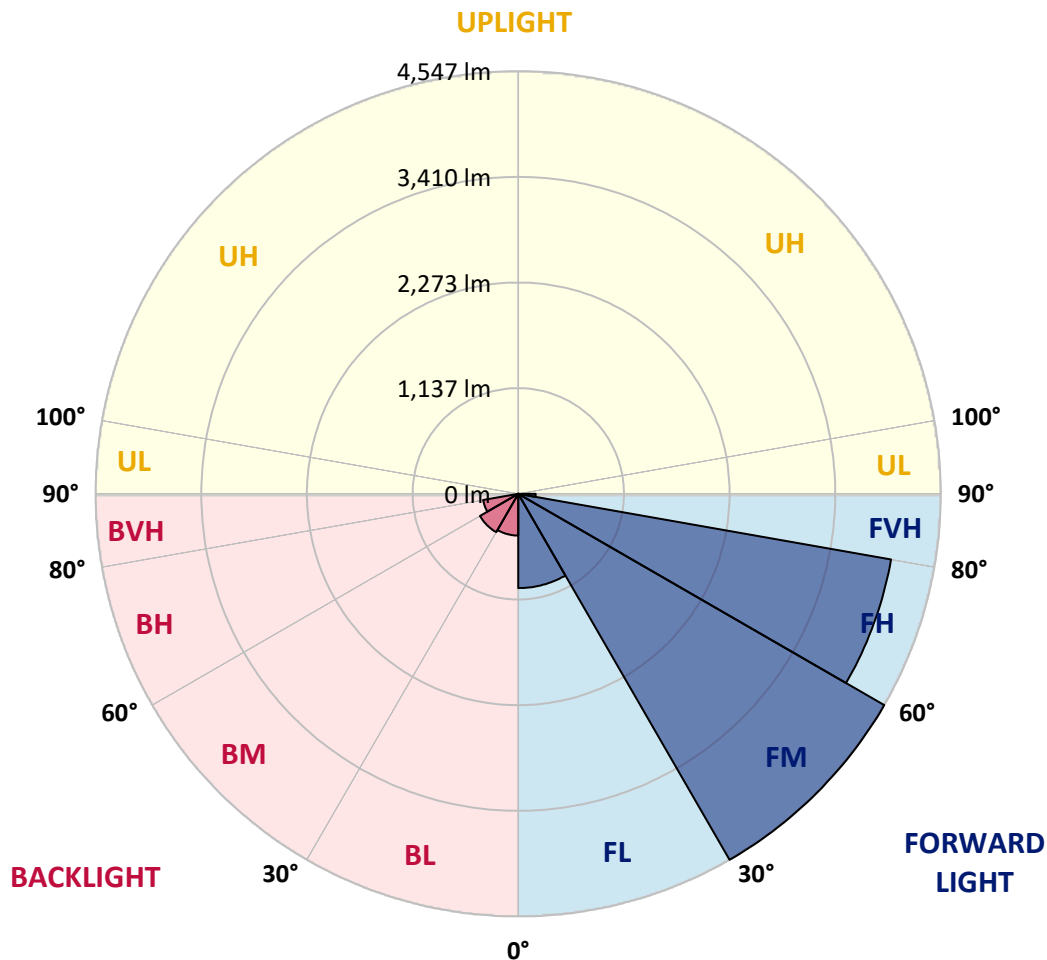


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1014.6	9.1			
FM (30°-60°)	4546.8	40.8			
FH (60°-80°)	4072.7	36.6			G2/5000
FVH (80°-90°)	187.5	1.7			G2/225
BL (0°-30°)	449.1	4.0	B1/500		
BM (30°-60°)	475.6	4.3	B1/1000		
BH (60°-80°)	383.5	3.4	B1/500		G1/500
BVH (80°-90°)	4.3	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°	2813.6	2813.6	2813.6	2813.6	2813.6	2813.6	2813.6	2813.6	2813.6	2813.6	2813.6
2.5°	2838.6	2831.5	2837.1	2849.4	2855.5	2855.5	2860.2	2854.6	2856.5	2842.8	2823.0
5°	2660.9	2650.1	2665.6	2700.0	2742.4	2778.7	2832.4	2860.7	2863.5	2864.0	2840.9
7.5°	2469.7	2459.8	2482.8	2523.4	2578.0	2645.4	2739.1	2821.1	2825.8	2870.1	2853.2
10°	2314.2	2307.1	2334.0	2377.3	2441.4	2516.8	2631.7	2745.7	2759.4	2857.4	2851.3
12.5°	2190.7	2185.1	2210.5	2260.5	2326.0	2409.4	2529.5	2661.9	2680.3	2828.7	2841.8
15°	2100.8	2099.8	2121.0	2169.1	2241.6	2319.4	2442.3	2584.1	2605.3	2797.6	2840.4
17.5°	2053.7	2055.1	2070.6	2111.6	2173.8	2251.1	2368.8	2518.7	2541.7	2769.8	2847.5
20°	2048.9	2050.4	2058.8	2081.9	2132.3	2200.6	2309.0	2463.5	2487.6	2749.0	2858.8
22.5°	2090.4	2089.5	2091.8	2089.5	2117.7	2169.5	2269.4	2421.1	2448.9	2735.4	2867.8
25°	2170.0	2168.6	2167.7	2150.2	2131.4	2159.2	2252.9	2397.1	2423.5	2725.5	2872.9
27.5°	2280.7	2279.8	2278.4	2249.6	2193.1	2175.7	2254.8	2388.2	2410.3	2717.5	2872.0
30°	2426.3	2432.9	2431.0	2391.0	2302.9	2226.1	2274.6	2383.4	2402.8	2701.9	2862.1
32.5°	2597.3	2610.5	2620.9	2578.0	2467.8	2326.0	2320.3	2388.6	2402.8	2690.1	2844.2
35°	2774.9	2791.9	2830.1	2815.0	2669.9	2476.3	2399.0	2419.7	2431.5	2696.7	2835.7
37.5°	2949.7	2970.0	3052.9	3096.7	2934.7	2675.1	2521.5	2496.5	2502.6	2736.8	2845.1
40°	3152.8	3183.4	3309.2	3379.9	3250.8	2941.3	2704.8	2628.4	2630.8	2824.9	2889.0
42.5°	3419.5	3451.0	3587.2	3697.9	3607.0	3277.6	2953.5	2830.1	2827.7	2989.8	2992.1
45°	3744.5	3777.5	3918.4	4041.3	4000.4	3676.2	3272.0	3124.5	3121.7	3249.8	3187.7
47.5°	4113.0	4145.5	4271.3	4398.0	4442.3	4141.7	3677.6	3526.4	3519.8	3611.2	3489.7
50°	4429.1	4450.3	4566.2	4736.7	4936.5	4713.6	4182.2	4036.6	4029.6	4091.3	3933.0
52.5°	4544.0	4556.3	4674.1	4912.9	5411.4	5488.2	4845.1	4657.6	4652.4	4679.3	4523.3
55°	4311.3	4333.4	4478.1	4832.4	5668.6	6363.5	5681.8	5426.5	5387.4	5329.4	5140.5
57.5°	3677.2	3712.5	3868.0	4339.1	5548.5	7058.0	6911.5	6296.2	6238.7	5884.4	5642.2
60°	2755.2	2798.5	2927.6	3435.9	4907.3	7305.3	8255.1	7265.3	7135.7	6326.3	6103.5
62.5°	1890.6	1912.3	1999.9	2331.1	3614.0	6900.2	9379.2	8563.2	8326.7	6806.9	6602.4
65°	1444.0	1451.5	1487.4	1601.4	2152.1	5605.0	9826.3	10275.8	9989.8	7381.6	7120.2
67.5°	1163.7	1157.6	1207.0	1370.0	1441.2	3419.5	9304.8	11896.0	11762.2	8150.1	7641.2
69°	1026.1	1017.6	1068.0	1257.4	1353.6	2260.5	8318.3	12264.0	12272.4	8555.7	7677.0
70°	923.4	929.1	979.0	1190.5	1323.9	1774.3	7376.0	12170.2	12237.1	8707.4	7462.2
72.5°	616.7	631.8	732.1	988.4	1273.0	1342.7	4453.6	10443.5	10700.7	8365.8	6402.2
75°	347.7	359.0	478.2	745.3	1199.5	1278.6	2352.3	7694.0	7942.8	6995.8	4937.0
77.5°	170.5	176.7	270.4	481.0	1003.0	1218.3	1334.2	5226.2	5510.3	4566.2	2792.4
80°	72.1	75.4	135.2	296.8	717.1	1162.7	990.8	3216.4	3251.7	1788.9	743.9
82.5°	27.8	28.7	57.0	185.2	455.6	906.5	828.7	1525.0	1488.3	336.9	169.6
85°	3.3	3.8	20.7	111.2	253.5	466.4	673.2	657.2	608.2	66.9	87.2
87.5°	0.0	0.0	1.4	33.9	75.4	218.6	350.0	272.8	245.9	21.7	45.2
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°	2813.6	2813.6	2813.6	2813.6	2813.6	2813.6	2813.6	2813.6	2813.6	2813.6	2813.6
2.5°	2806.5	2801.8	2776.4	2739.6	2704.8	2661.4	2619.9	2595.0	2575.2	2562.0	2577.5
5°	2814.1	2793.3	2716.1	2617.1	2520.1	2410.8	2309.0	2222.8	2188.9	2151.2	2168.1
7.5°	2811.7	2772.6	2633.6	2457.4	2279.3	2095.1	1920.8	1786.5	1716.8	1648.5	1665.9
10°	2799.9	2734.0	2523.4	2262.4	1995.7	1730.9	1483.6	1295.6	1190.5	1095.4	1109.0
12.5°	2774.0	2682.1	2393.3	2039.0	1682.4	1333.3	1043.6	802.8	673.7	616.7	623.8
15°	2758.5	2631.7	2255.8	1812.9	1347.9	928.6	637.9	474.4	415.5	396.7	399.0
17.5°	2750.9	2583.2	2113.5	1554.3	1005.9	591.3	412.2	363.7	351.0	347.7	348.6
20°	2743.4	2534.2	1967.0	1298.4	693.0	397.6	338.7	324.6	319.9	315.7	316.6
22.5°	2730.7	2487.1	1809.6	1039.3	467.4	322.7	305.3	291.6	281.7	276.6	277.5
25°	2715.1	2437.6	1649.0	774.1	341.1	287.9	271.4	252.1	240.3	230.9	231.3
27.5°	2690.1	2376.8	1483.1	563.5	286.4	257.7	235.6	214.4	194.6	183.7	183.7
30°	2655.3	2308.1	1298.9	403.3	256.8	228.0	201.2	174.8	153.6	143.7	142.8
32.5°	2616.6	2236.4	1112.8	305.8	233.2	200.2	169.6	141.8	123.0	115.0	114.5
35°	2583.7	2159.2	927.2	256.3	209.7	173.4	139.9	116.4	101.3	94.7	94.2
37.5°	2562.5	2081.9	746.3	229.0	188.5	148.4	117.3	96.1	85.3	80.1	79.6
40°	2559.2	2024.4	580.9	208.2	168.7	126.3	98.0	81.5	71.6	66.0	65.5
42.5°	2602.0	1991.5	445.7	190.8	148.4	106.9	83.4	69.7	59.4	53.7	53.2
45°	2714.6	2001.8	343.0	175.3	128.1	90.5	70.7	57.9	48.5	44.3	43.3
47.5°	2920.1	2073.4	272.8	159.7	108.8	76.8	60.3	48.1	40.0	35.8	35.3
50°	3285.7	2241.6	228.0	142.8	90.9	65.5	49.9	39.1	32.5	28.7	28.3
52.5°	3770.9	2541.3	203.5	126.3	75.4	55.6	41.0	31.1	25.4	22.6	22.1
55°	4306.1	2904.0	187.5	108.4	61.7	46.2	32.5	24.5	19.8	17.4	16.5
57.5°	4828.6	3218.3	172.4	90.9	51.4	37.7	25.9	19.3	15.5	13.2	12.7
60°	5308.7	3507.1	155.0	73.0	41.9	29.7	20.3	15.1	12.2	9.9	9.9
62.5°	5822.7	3730.4	131.0	57.0	34.4	22.6	16.5	13.7	9.9	8.5	8.0
65°	6367.3	3896.2	102.7	44.3	26.9	17.0	13.7	14.1	8.0	6.1	5.7
67.5°	6769.7	3863.3	75.9	34.9	20.7	13.2	13.2	15.1	7.1	4.7	4.2
69°	6681.1	3595.2	63.6	30.2	17.9	11.3	12.2	15.1	6.6	4.2	3.8
70°	6424.3	3298.4	56.1	26.9	16.0	10.4	11.8	14.6	6.1	4.2	3.8
72.5°	5350.1	2484.3	43.8	20.3	12.7	8.5	9.9	12.7	6.1	4.2	3.3
75°	4024.4	1590.1	33.5	14.6	9.4	6.6	7.5	9.4	6.1	3.8	3.3
77.5°	2189.8	573.4	24.0	9.9	6.6	5.2	5.2	7.1	5.7	2.8	1.9
80°	563.0	144.2	15.1	6.6	5.2	3.8	3.3	4.7	3.3	0.5	0.0
82.5°	139.0	32.5	8.0	4.7	3.8	1.4	1.4	2.4	1.4	0.0	0.0
85°	76.3	16.0	5.2	3.3	1.9	0.0	0.0	0.5	0.0	0.0	0.0
87.5°	39.1	4.7	1.4	0.9	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)