

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: P451765

Luminaire Tested: **GLAN-SA2C-830-U-SL3**

Issue Date: 1/4/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P451765  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-16)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/4/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA2C-830-U-SL3  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(2) 80 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III  
SPILL LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11135 lumens  
Efficiency: N/A  
Efficacy: 103.1 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G3

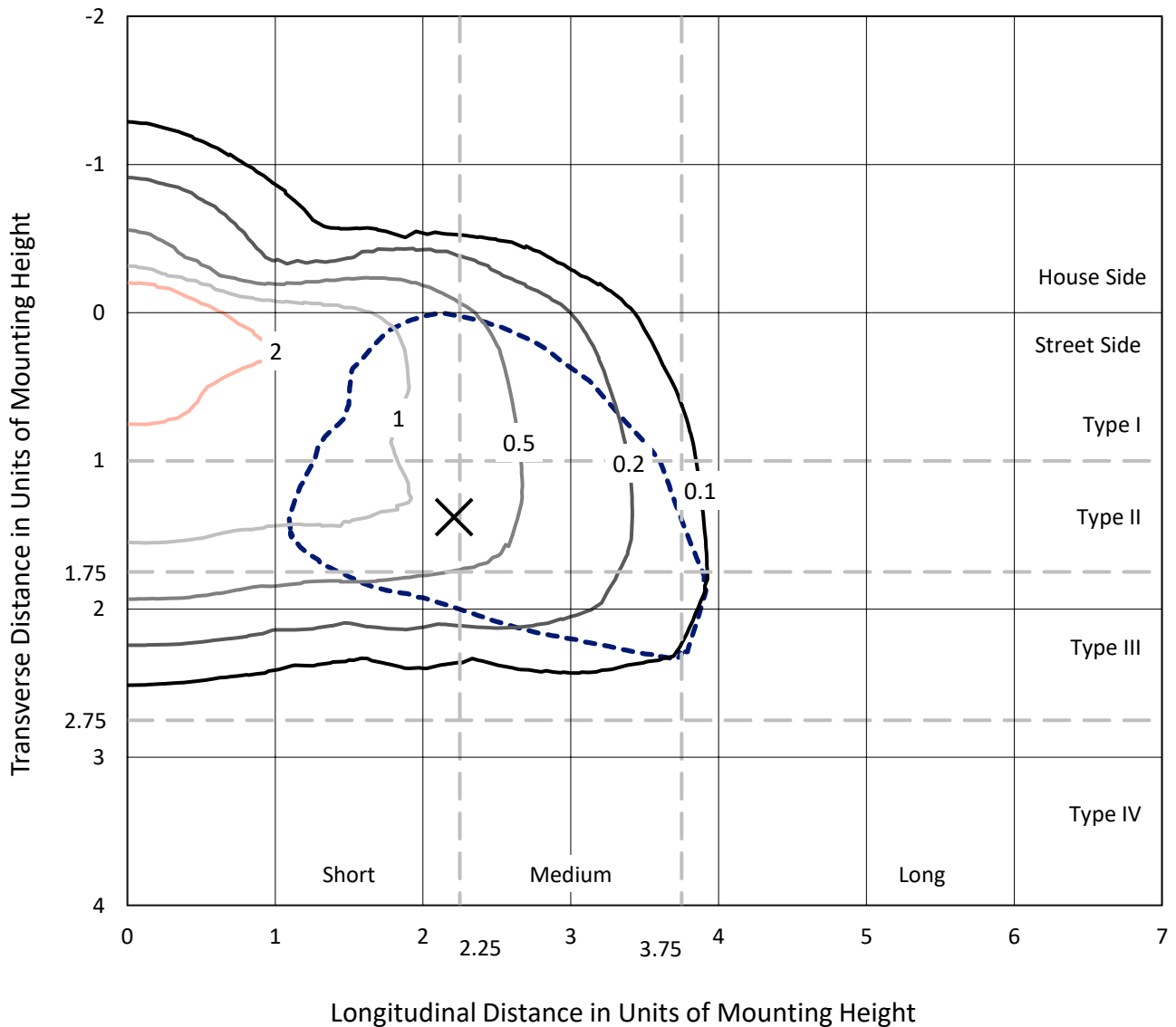
Input Watts (W): 108  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

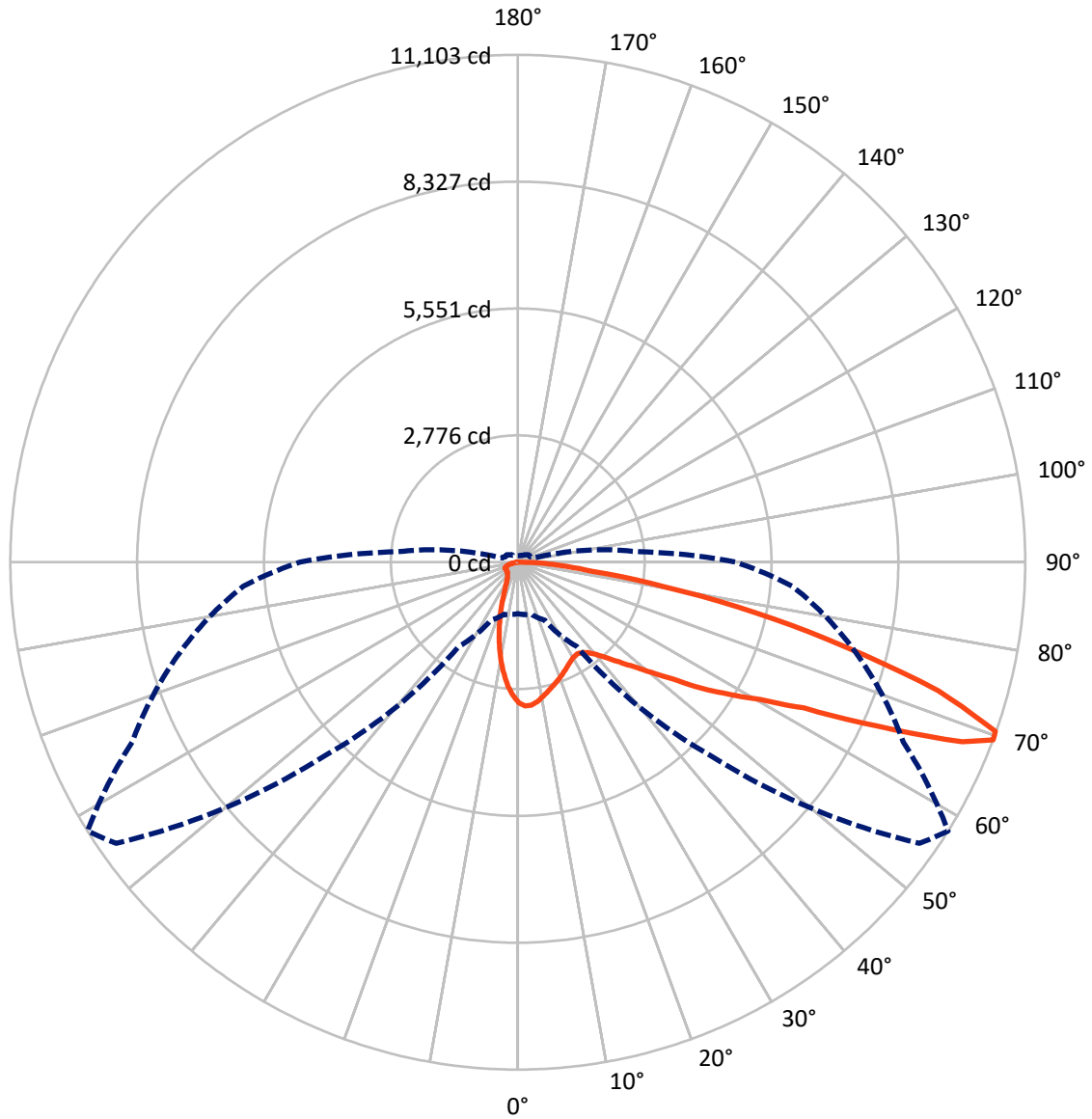
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.9 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral    - - - Horizontal Cone Through 69-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1631.8	0.0	1631.8
	% Fixture	14.7	0.0	14.7
<b>Street Side</b>	Lumens	9503.2	0.0	9503.2
	% Fixture	85.3	0.0	85.3
<b>Total</b>	Lumens	11135.0	0.0	11135.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	261.3	2.3
10°-20°	573.8	5.2
20°-30°	741.4	6.7
30°-40°	962.9	8.6
40°-50°	1399.9	12.6
50°-60°	2233.8	20.1
60°-70°	2984.1	26.8
70°-80°	1720.2	15.4
80°-90°	257.6	2.3
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°	11135.0	100.0
0°-180°	11135.0	100.0

**Coefficient of Utilization**



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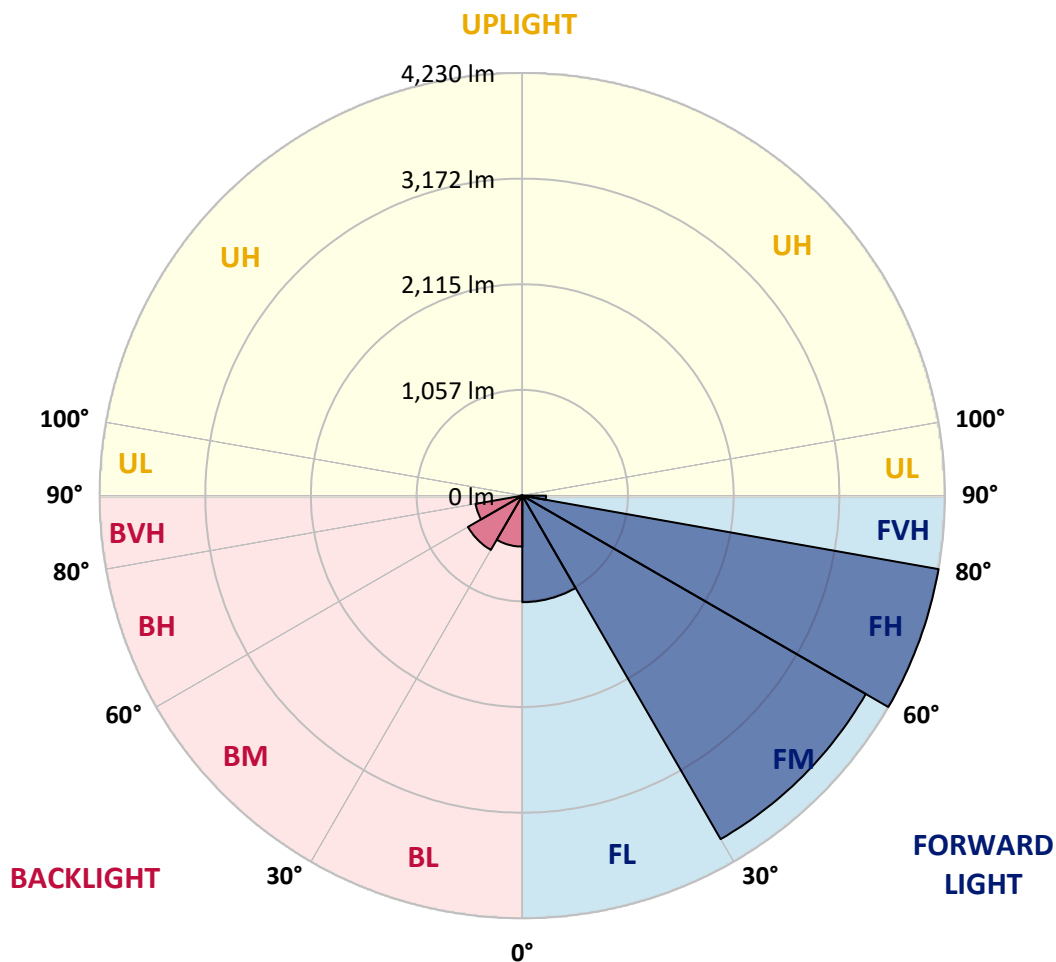
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1066.4	9.6			
FM	(30°-60°)	3969.1	35.6			
FH	(60°-80°)	4229.8	38.0			G2/5000
FVH	(80°-90°)	237.9	2.1			G3/500
BL	(0°-30°)	510.0	4.6	B2/1000		
BM	(30°-60°)	627.5	5.6	B1/1000		
BH	(60°-80°)	474.5	4.3	B1/500		G1/500
BVH	(80°-90°)	19.7	0.2			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 Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	3077.1	3077.1	3077.1	3077.1	3077.1	3077.1	3077.1	3077.1	3077.1	3077.1	3077.1
2.5°	3191.3	3200.0	3197.5	3194.4	3189.5	3175.8	3153.4	3149.7	3135.4	3105.0	3067.1
5°	3142.3	3149.7	3150.3	3154.7	3160.9	3158.4	3142.3	3140.4	3119.3	3078.3	3015.0
7.5°	2974.0	2983.9	3005.6	3029.9	3051.6	3072.1	3077.1	3080.2	3067.1	3019.9	2935.5
10°	2784.6	2794.5	2804.4	2840.5	2893.9	2944.8	2987.0	2992.6	2995.7	2952.2	2849.2
12.5°	2574.7	2595.2	2616.3	2669.7	2741.1	2821.2	2895.7	2907.5	2928.6	2895.7	2774.6
15°	2396.4	2417.6	2448.0	2495.8	2582.1	2697.6	2802.6	2821.8	2863.4	2846.7	2705.1
17.5°	2272.9	2280.3	2301.4	2356.1	2449.2	2570.9	2711.3	2749.8	2816.2	2811.9	2645.5
20°	2175.4	2184.7	2197.7	2231.3	2328.1	2456.7	2626.2	2675.9	2765.9	2780.8	2586.5
22.5°	2134.4	2141.2	2139.3	2157.4	2223.2	2352.4	2539.9	2598.9	2721.2	2759.7	2531.8
25°	2136.9	2143.1	2133.8	2129.4	2168.5	2260.4	2449.9	2525.0	2685.2	2745.4	2482.1
27.5°	2178.5	2182.8	2165.4	2148.0	2151.1	2203.3	2375.3	2458.5	2654.8	2751.7	2440.5
30°	2234.4	2242.4	2231.3	2210.1	2187.2	2189.7	2327.5	2409.5	2640.5	2773.4	2420.7
32.5°	2306.4	2313.9	2308.9	2292.1	2262.3	2229.4	2315.7	2391.5	2641.7	2817.5	2416.3
35°	2382.2	2397.1	2405.1	2403.9	2379.7	2322.5	2362.3	2425.0	2671.5	2891.4	2441.8
37.5°	2467.9	2480.3	2515.1	2537.4	2515.1	2448.6	2467.2	2510.7	2737.4	2998.2	2497.7
40°	2551.1	2569.7	2620.6	2690.2	2681.5	2623.1	2627.5	2656.0	2853.5	3157.2	2607.0
42.5°	2638.0	2660.4	2749.2	2852.3	2872.8	2827.4	2839.2	2864.7	3018.7	3377.6	2794.5
45°	2749.8	2776.5	2885.8	3014.3	3095.1	3067.1	3100.7	3113.1	3239.8	3664.5	3041.7
47.5°	2893.9	2924.9	3059.7	3219.9	3334.2	3359.6	3418.0	3410.5	3513.6	4004.2	3362.1
50°	3136.7	3154.1	3281.4	3444.7	3601.8	3716.7	3780.0	3791.8	3853.3	4334.6	3720.4
52.5°	3425.4	3441.0	3532.9	3675.7	3872.6	4116.0	4272.5	4234.0	4248.9	4737.0	4139.6
55°	3750.2	3776.3	3834.7	3929.7	4184.9	4543.2	4857.5	4866.8	4701.6	5122.0	4541.4
57.5°	4001.7	4045.8	4145.8	4281.2	4604.7	5018.3	5440.6	5446.8	5235.7	5533.1	4984.8
60°	3875.0	3927.2	4155.7	4485.5	5155.6	5847.3	6137.4	6102.0	5755.4	6001.4	5525.7
62.5°	3328.6	3337.9	3670.1	4185.5	5325.1	6956.5	7174.4	7024.8	6449.1	6595.0	6075.3
65°	2154.3	2215.1	2478.4	3200.6	4768.0	7571.9	8991.5	8645.6	7421.6	7268.8	6535.4
67.5°	1360.0	1344.5	1453.8	1827.6	3279.5	7029.7	10542.1	10487.5	8693.4	7694.2	6425.5
69°	1127.7	1145.1	1182.4	1401.0	2256.7	6002.0	10725.3	11102.9	9310.1	7660.7	6026.2
70°	1022.8	1030.9	1070.0	1242.0	1741.3	5027.0	10424.8	11086.1	9552.2	7520.3	5736.8
72.5°	811.6	811.0	878.1	1033.3	1301.6	2869.6	8559.9	9624.9	9281.5	6867.0	4740.1
75°	616.7	626.6	700.5	874.4	1199.2	1568.0	5973.4	7412.3	7412.9	5423.8	2957.8
77.5°	444.6	450.8	537.2	734.0	1129.6	1271.2	3978.8	5316.4	4997.8	2485.2	929.6
80°	291.2	295.0	360.8	581.3	1018.4	1199.2	2359.2	3254.0	2357.3	659.5	307.4
82.5°	159.6	178.2	220.5	376.3	817.2	1107.9	1433.9	1646.9	884.3	293.7	160.2
85°	80.1	85.1	124.2	219.8	534.1	916.6	998.6	944.5	456.4	145.9	83.2
87.5°	23.6	29.8	51.5	85.1	216.7	477.6	555.8	498.7	175.7	52.8	17.4
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°	3077.1	3077.1	3077.1	3077.1	3077.1	3077.1	3077.1	3077.1	3077.1	3077.1	3077.1
2.5°	3051.6	3040.4	2990.7	2946.0	2905.0	2861.6	2824.9	2792.6	2795.7	2796.4	2763.5
5°	2982.0	2956.6	2862.2	2774.0	2699.5	2605.1	2524.4	2472.2	2446.1	2411.3	2423.8
7.5°	2887.7	2838.6	2707.6	2561.0	2423.8	2301.4	2168.5	2077.2	2018.9	1962.4	1969.8
10°	2790.2	2711.3	2520.6	2326.9	2149.3	1953.7	1784.1	1638.8	1530.8	1490.4	1463.7
12.5°	2690.2	2586.5	2344.3	2086.6	1841.3	1607.2	1366.8	1211.0	1091.7	1028.4	1036.5
15°	2598.9	2472.8	2160.5	1846.2	1527.7	1248.8	1009.1	860.7	777.5	760.1	770.0
17.5°	2514.4	2349.2	1988.4	1612.7	1240.8	936.5	758.2	674.4	640.9	631.6	630.9
20°	2427.5	2244.3	1795.3	1363.1	966.9	726.0	622.2	583.1	576.9	580.6	581.3
22.5°	2339.3	2114.5	1596.6	1115.3	770.0	593.7	544.0	533.4	538.4	547.1	548.3
25°	2258.0	2000.2	1405.3	898.0	614.8	521.6	497.4	497.4	508.6	521.6	522.3
27.5°	2190.9	1889.7	1214.7	712.9	514.8	469.5	461.4	465.8	481.3	491.2	491.8
30°	2135.6	1786.6	1034.6	571.3	452.7	427.9	426.0	433.5	444.6	454.0	454.6
32.5°	2094.0	1696.0	866.3	480.0	409.9	396.2	395.6	401.2	407.4	409.9	412.3
35°	2077.9	1620.8	712.3	422.3	381.3	372.6	372.6	372.0	374.5	375.7	376.9
37.5°	2090.9	1563.1	593.1	385.0	360.2	354.0	350.2	346.5	345.3	345.3	345.9
40°	2146.2	1532.6	504.3	360.8	345.3	336.0	329.1	324.8	320.4	321.7	322.9
42.5°	2263.6	1538.2	444.0	344.7	332.2	319.2	309.3	304.3	301.2	304.9	304.3
45°	2450.5	1594.1	405.5	333.5	319.2	302.4	293.1	288.1	288.1	293.7	295.6
47.5°	2711.9	1700.9	385.0	324.8	309.3	289.4	280.1	276.3	277.6	286.9	287.5
50°	3031.1	1886.6	381.3	320.4	304.3	280.1	269.5	265.8	268.9	278.8	280.1
52.5°	3383.2	2125.7	399.3	321.1	299.9	274.5	260.8	255.2	258.3	266.4	268.9
55°	3800.5	2425.0	445.9	323.5	293.7	271.4	254.6	242.2	245.9	251.5	252.1
57.5°	4226.5	2802.6	527.9	324.2	288.8	265.8	244.1	227.9	227.9	231.6	233.5
60°	4746.9	3213.7	635.9	324.8	289.4	257.7	229.8	211.8	209.3	211.1	211.8
62.5°	5263.6	3557.7	653.9	322.9	295.6	249.6	214.2	195.6	191.3	190.6	189.4
65°	5491.5	3493.8	535.9	314.2	302.4	244.7	201.8	180.1	172.6	170.2	170.2
67.5°	5120.2	2955.3	403.0	302.4	298.1	239.7	190.0	167.0	158.4	153.4	153.4
69°	4771.2	2628.7	362.0	294.4	286.9	231.6	182.6	160.2	149.7	144.1	142.2
70°	4501.6	2403.9	344.7	287.5	276.3	222.3	177.0	155.3	143.5	137.2	136.0
72.5°	3592.5	1886.0	301.8	261.4	235.4	186.9	157.1	139.7	128.5	121.7	119.9
75°	2070.4	1022.2	250.3	227.3	189.4	145.3	132.9	121.7	113.0	106.8	104.9
77.5°	637.1	395.0	181.3	179.5	139.1	112.4	106.2	101.8	95.6	88.8	87.6
80°	268.3	201.2	123.0	121.1	92.5	78.2	76.4	75.8	73.3	67.7	65.8
82.5°	147.2	113.6	85.7	74.5	55.9	45.3	47.2	47.8	46.0	40.4	36.6
85°	72.0	62.1	41.6	33.5	25.5	16.1	15.5	18.6	17.4	12.4	13.7
87.5°	14.3	17.4	11.2	5.0	2.5	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)