

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: P636887

Luminaire Tested: **IFLD-S-SA3A-930-U-LAM-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P636887  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA3A-930-U-LAM-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/  
Lambertian distribution lens and Visor  
Light Source: (48) 3000K CCT, 90 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6490 lumens  
Efficiency: N/A  
Efficacy: 68.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B3 - U0 - G1

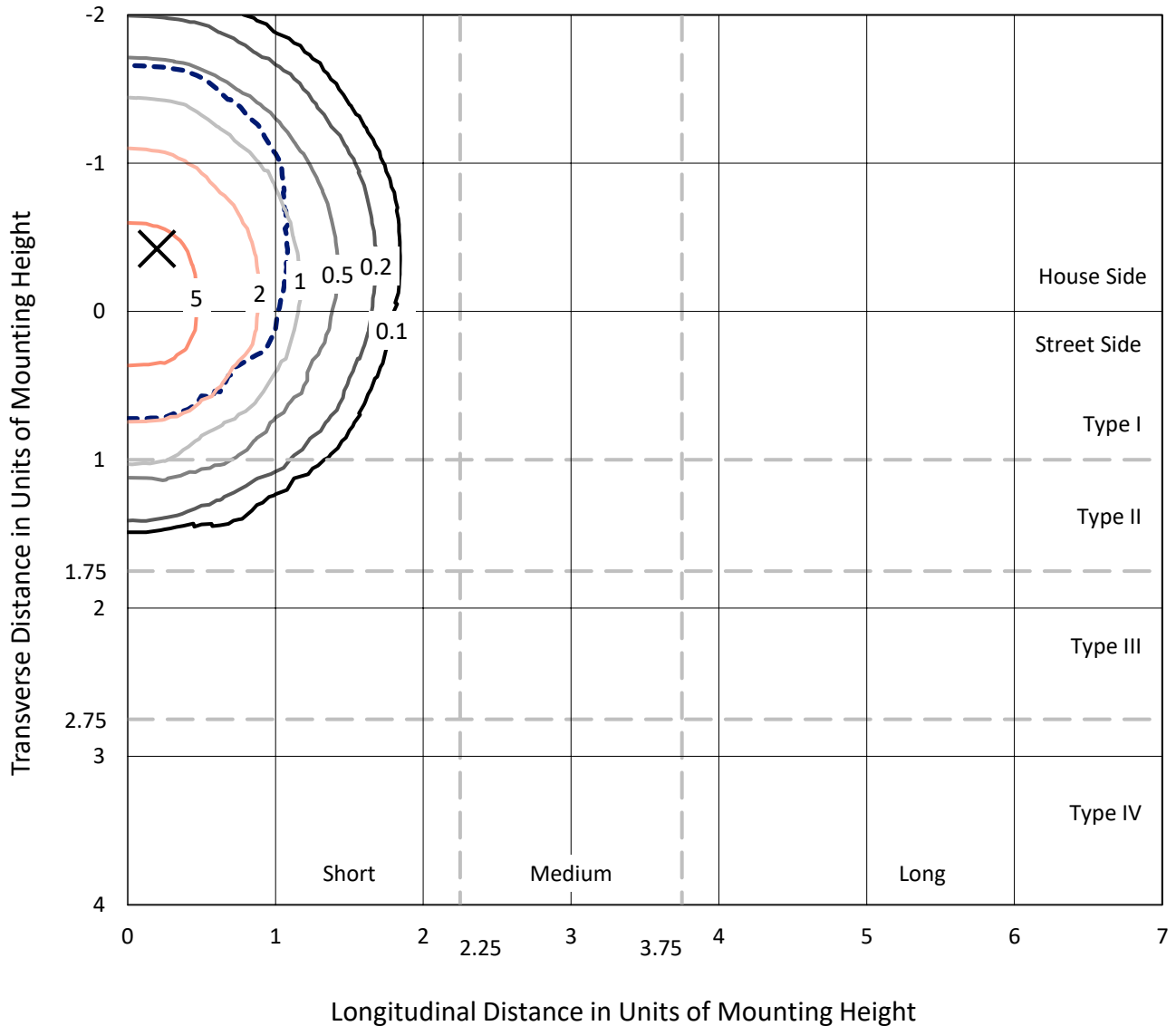
Input Watts (W): 94.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

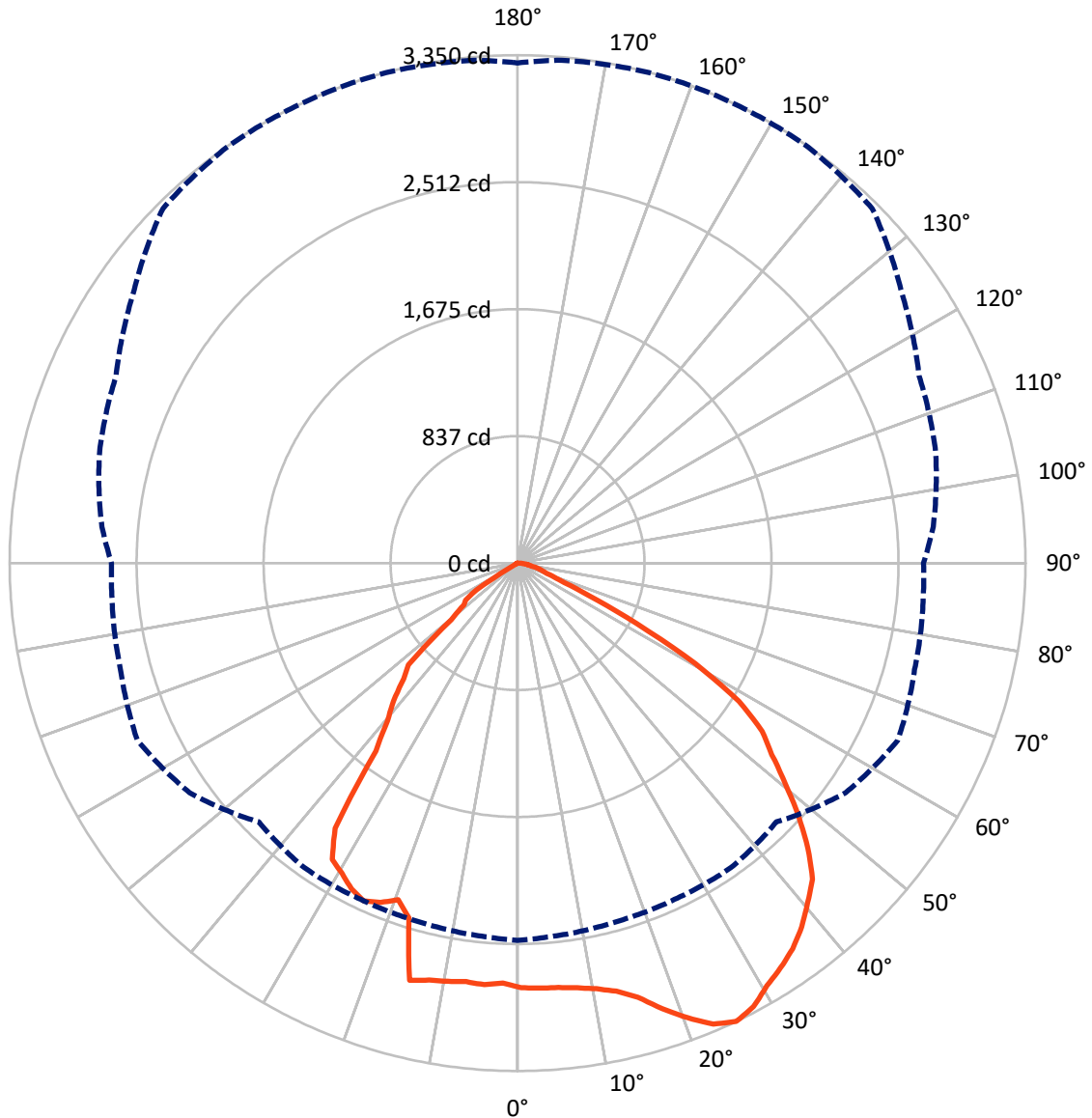
× Max cd  
 - - - 1/2 Max cd



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

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### Luminous Intensity Polar Plot



— Vertical Plane Through 155-Deg Lateral      - - - Horizontal Cone Through 25-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4017.9	0.0	4017.9
	% Fixture	61.9	0.0	61.9
<b>Street Side</b>	Lumens	2472.0	0.0	2472.0
	% Fixture	38.1	0.0	38.1
<b>Total</b>	Lumens	6490.0	0.0	6490.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	268.7	4.1
10°-20°	820.3	12.6
20°-30°	1296.9	20.0
30°-40°	1464.9	22.6
40°-50°	1371.9	21.1
50°-60°	945.9	14.6
60°-70°	254.1	3.9
70°-80°	53.0	0.8
80°-90°	14.3	0.2
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°	6490.0	100.0
0°-180°	6490.0	100.0



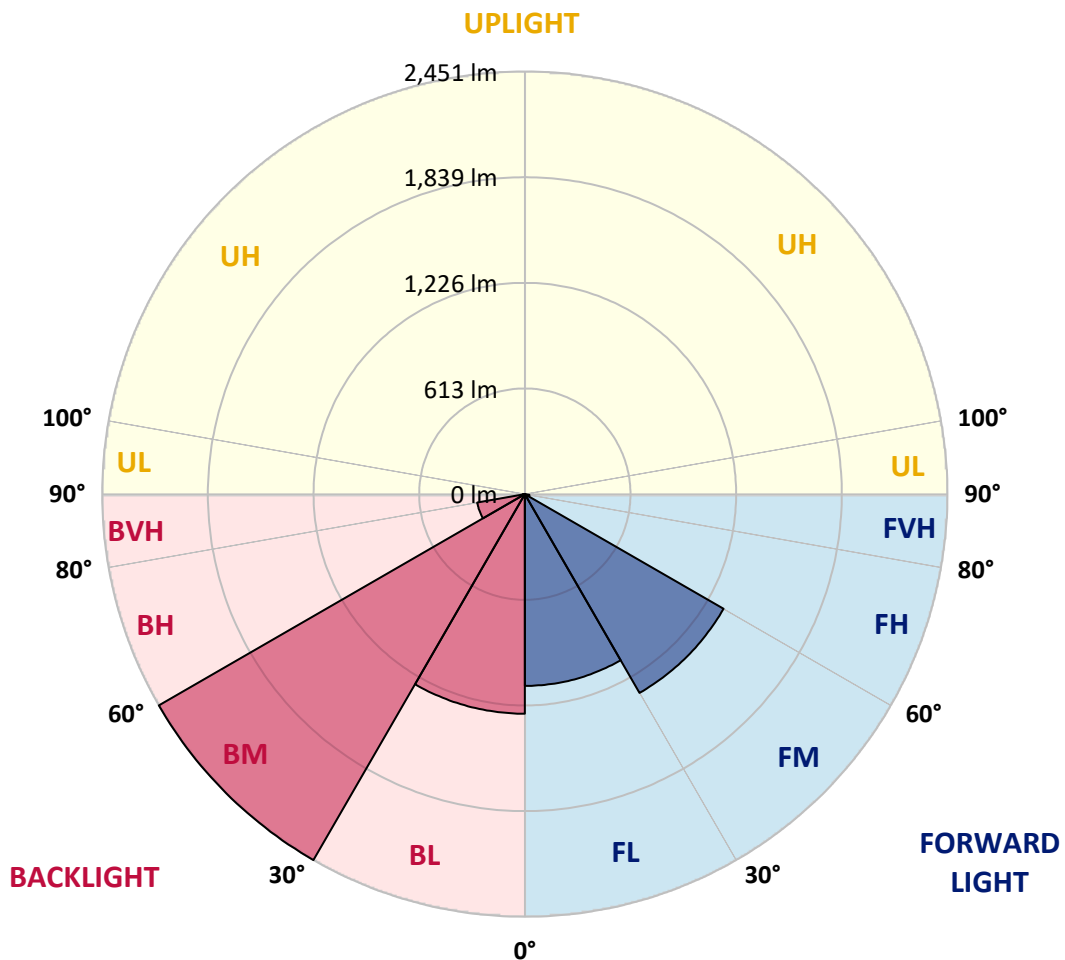
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1112.2	17.1			
FM (30°-60°)	1331.2	20.5			
FH (60°-80°)	26.7	0.4			G0/660
FVH (80°-90°)	1.9	0.0			G0/10
BL (0°-30°)	1273.7	19.6	B3/2500		
BM (30°-60°)	2451.5	37.8	B2/2500		
BH (60°-80°)	280.4	4.3	B1/500		G1/500
BVH (80°-90°)	12.4	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G1**

Type I Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2800.3	2800.3	2800.3	2800.3	2800.3	2800.3	2800.3	2800.3	2800.3	2800.3
2.5°	2812.7	2794.6	2777.4	2771.7	2795.5	2821.3	2805.1	2806.0	2800.3	2810.8
5°	2833.7	2808.9	2797.4	2788.8	2792.7	2819.4	2796.5	2805.1	2795.5	2807.9
7.5°	2826.0	2808.9	2797.4	2781.2	2793.6	2825.1	2803.2	2804.1	2799.3	2810.8
10°	2821.3	2808.9	2794.6	2796.5	2810.8	2837.5	2820.3	2829.9	2823.2	2829.9
12.5°	2832.7	2819.4	2811.7	2811.7	2824.1	2854.7	2846.1	2854.7	2851.8	2857.5
15°	2724.9	2737.3	2809.8	2842.3	2867.1	2897.6	2893.8	2902.3	2904.3	2912.8
17.5°	2298.6	2286.2	2280.5	2447.4	2890.9	2985.3	2982.5	2981.5	2972.0	2965.3
20°	2354.9	2350.1	2343.4	2355.8	2405.4	3031.1	3050.2	2932.9	2898.5	2895.7
22.5°	2444.5	2436.9	2412.1	2413.1	2428.3	2635.3	2955.8	2848.9	2837.5	2830.8
25°	2488.4	2473.1	2453.1	2447.4	2452.2	2414.0	2640.1	2766.9	2710.6	2684.9
27.5°	2411.2	2412.1	2395.9	2411.2	2393.0	2221.4	2125.0	2606.7	2604.8	2593.3
30°	2353.0	2350.1	2331.0	2350.1	2225.2	2033.5	1992.4	2431.2	2411.2	2395.9
32.5°	2174.6	2176.5	2231.8	2306.2	2101.2	1949.5	1825.5	2171.8	2361.6	2353.0
35°	1555.6	1559.4	1755.9	2123.1	1913.3	1782.6	1773.1	1877.0	2283.3	2287.2
37.5°	1497.4	1497.4	1492.7	1552.8	1765.4	1714.9	1734.0	1723.5	2091.6	2101.2
40°	1455.5	1446.9	1440.2	1345.8	1227.5	1667.2	1680.6	1632.9	1977.2	1979.1
42.5°	1404.9	1395.4	1397.3	1222.7	1098.8	1548.9	1511.7	1447.8	1786.4	1788.3
45°	1312.4	1328.6	1340.1	1070.1	1060.6	1106.4	1394.4	1354.4	1657.7	1693.0
47.5°	667.6	682.0	1046.3	984.3	1006.2	983.3	1177.9	1178.9	1379.2	1496.5
50°	605.6	601.8	602.8	574.2	929.0	795.5	851.7	1080.6	1104.5	1272.3
52.5°	564.6	563.7	505.5	449.2	583.7	700.1	618.0	782.1	821.2	1077.8
55°	417.8	448.3	398.7	422.5	365.3	560.8	558.0	705.8	719.1	864.1
57.5°	3.8	4.8	11.4	321.4	252.8	280.4	385.3	481.7	505.5	673.4
60°	1.0	1.9	4.8	9.5	164.0	172.6	257.5	278.5	313.8	401.5
62.5°	0.0	0.0	1.9	4.8	8.6	70.6	82.0	89.7	138.3	205.1
65°	0.0	0.0	1.0	2.9	4.8	11.4	20.0	42.0	60.1	74.4
67.5°	0.0	0.0	1.0	1.9	3.8	5.7	11.4	16.2	25.8	43.9
70°	0.0	0.0	1.0	1.9	2.9	4.8	7.6	11.4	15.3	21.9
72.5°	0.0	0.0	1.0	1.9	1.9	5.7	5.7	8.6	11.4	14.3
75°	0.0	0.0	1.0	1.0	1.9	3.8	5.7	6.7	7.6	11.4
77.5°	0.0	0.0	1.0	1.9	2.9	3.8	4.8	7.6	6.7	6.7
80°	0.0	0.0	1.0	2.9	2.9	4.8	5.7	7.6	4.8	4.8
82.5°	0.0	0.0	1.0	3.8	2.9	9.5	9.5	10.5	3.8	3.8
85°	0.0	0.0	2.9	1.9	5.7	9.5	8.6	5.7	4.8	2.9
87.5°	0.0	0.0	1.0	1.0	1.9	2.9	6.7	5.7	1.9	1.9
90°	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°
2800.3	0°	2800.3	2800.3	2800.3	2800.3	2800.3	2800.3	2800.3	2800.3	2800.3
2783.1	2.5°	2821.3	2808.9	2834.6	2831.8	2819.4	2813.6	2807.0	2801.2	2759.3
2785.0	5°	2822.2	2803.2	2834.6	2828.9	2827.0	2817.5	2811.7	2820.3	2782.2
2792.7	7.5°	2822.2	2803.2	2837.5	2839.4	2836.5	2828.9	2828.0	2833.7	2802.2
2806.0	10°	2841.3	2833.7	2862.3	2865.2	2861.3	2859.4	2854.7	2850.8	2817.5
2851.8	12.5°	2881.4	2866.1	2898.5	2907.1	2904.3	2909.0	2897.6	2903.3	2869.0
2898.5	15°	2930.0	2931.0	2955.8	2974.8	2972.9	2988.2	2971.0	2986.3	2961.5
2951.9	17.5°	3004.4	3014.9	3050.2	3078.8	3089.3	3100.7	3089.3	3094.1	3058.8
2892.8	20°	2926.2	2965.3	3135.1	3187.5	3209.5	3220.0	3200.9	3206.6	3171.3
2820.3	22.5°	2855.6	2906.2	3056.9	3220.9	3288.6	3309.6	3302.9	3302.0	3288.6
2677.3	25°	2751.7	2853.7	2921.4	3095.0	3307.7	3345.9	3349.7	3348.7	3328.7
2589.5	27.5°	2623.8	2646.7	2822.2	2928.1	3174.2	3319.2	3313.4	3285.8	3259.1
2407.3	30°	2460.7	2564.7	2643.9	2812.7	3001.5	3237.1	3237.1	3216.1	3188.5
2342.5	32.5°	2377.8	2512.3	2585.7	2646.7	2807.9	3145.6	3183.7	3161.8	3139.8
2291.9	35°	2333.9	2353.9	2525.6	2580.9	2717.3	2969.1	3123.6	3101.7	3085.5
2157.4	37.5°	2237.6	2284.3	2364.4	2512.3	2554.2	2825.1	3043.5	3032.1	3013.0
1982.9	40°	2023.0	2147.9	2270.9	2411.2	2455.0	2640.1	2946.2	2951.0	2925.2
1796.9	42.5°	1896.1	1981.0	2173.7	2268.1	2386.4	2520.8	2851.8	2859.4	2841.3
1702.5	45°	1747.3	1841.7	1977.2	2148.9	2310.1	2356.8	2684.9	2765.0	2749.7
1514.6	47.5°	1610.9	1687.2	1853.2	2026.8	2205.1	2198.5	2493.2	2643.9	2622.9
1370.6	50°	1417.3	1550.8	1629.1	1788.3	2054.4	2072.6	2289.1	2501.8	2484.6
1164.6	52.5°	1195.1	1363.0	1512.7	1658.6	1901.8	1944.8	2099.3	2356.8	2345.3
889.9	55°	1044.4	1166.5	1335.3	1452.6	1716.8	1831.3	1957.2	2218.5	2212.8
731.5	57.5°	743.0	978.6	1117.8	1281.9	1421.1	1628.1	1721.6	1937.1	1883.7
405.4	60°	503.6	614.2	784.0	960.5	1053.9	1260.9	1347.7	1520.3	1506.0
242.3	62.5°	266.1	368.2	489.3	578.0	645.7	847.0	883.2	1069.2	1064.4
97.3	65°	117.3	155.5	265.2	310.9	380.6	474.0	505.5	572.3	556.1
47.7	67.5°	61.0	92.5	149.7	184.1	231.8	267.1	292.8	313.8	327.1
31.5	70°	37.2	67.7	92.5	127.8	159.3	187.9	207.9	236.5	253.7
16.2	72.5°	27.7	42.9	63.9	98.2	115.4	148.8	168.8	189.8	205.1
13.4	75°	15.3	28.6	51.5	77.3	92.5	121.1	139.3	153.6	158.3
7.6	77.5°	9.5	21.9	42.9	60.1	72.5	98.2	93.5	106.8	118.3
5.7	80°	6.7	16.2	33.4	49.6	50.6	62.9	74.4	85.8	93.5
3.8	82.5°	4.8	13.4	24.8	38.2	33.4	48.6	58.2	66.8	48.6
2.9	85°	3.8	9.5	12.4	22.9	19.1	34.3	29.6	28.6	19.1
1.9	87.5°	2.9	4.8	8.6	10.5	7.6	7.6	9.5	11.4	9.5
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





180°  
2800.3  
2730.7  
2749.7  
2766.0  
2789.8  
2838.4  
2920.5  
3028.2  
3146.5  
3245.7  
3298.2  
3238.1  
3178.0  
3121.7  
3062.6  
2993.9  
2919.5  
2839.4  
2751.7  
2638.2  
2487.5  
2353.0  
2219.4  
1878.0  
1507.0  
1065.4  
549.4  
327.1  
254.7  
207.9  
155.5  
120.2  
94.4  
35.3  
19.1  
9.5  
0.0

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