

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: P852729

Luminaire Tested: **GLAN-SB6A-722-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852729
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB6A-722-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21024 lumens
Efficiency: N/A
Efficacy: 123.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

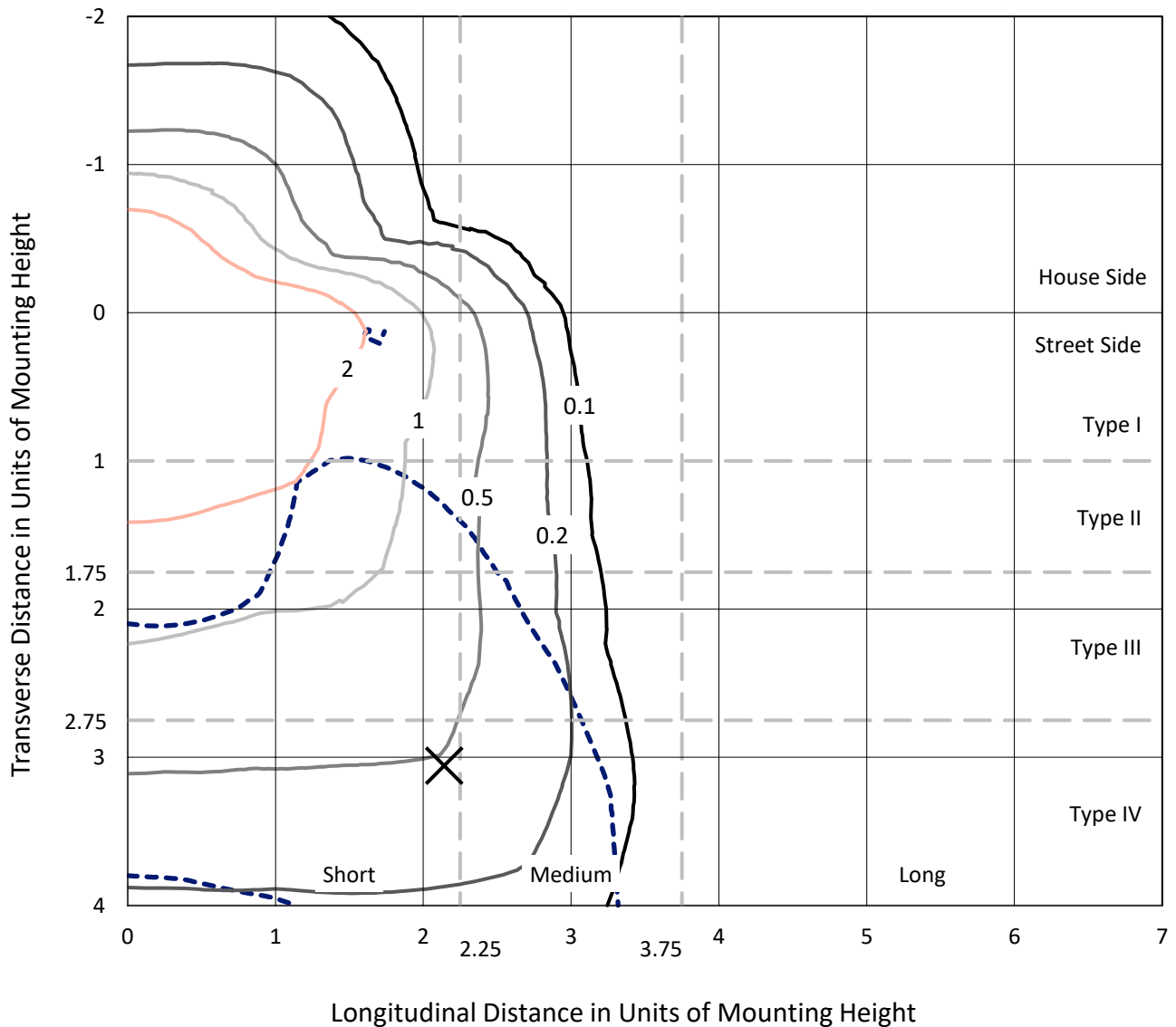
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

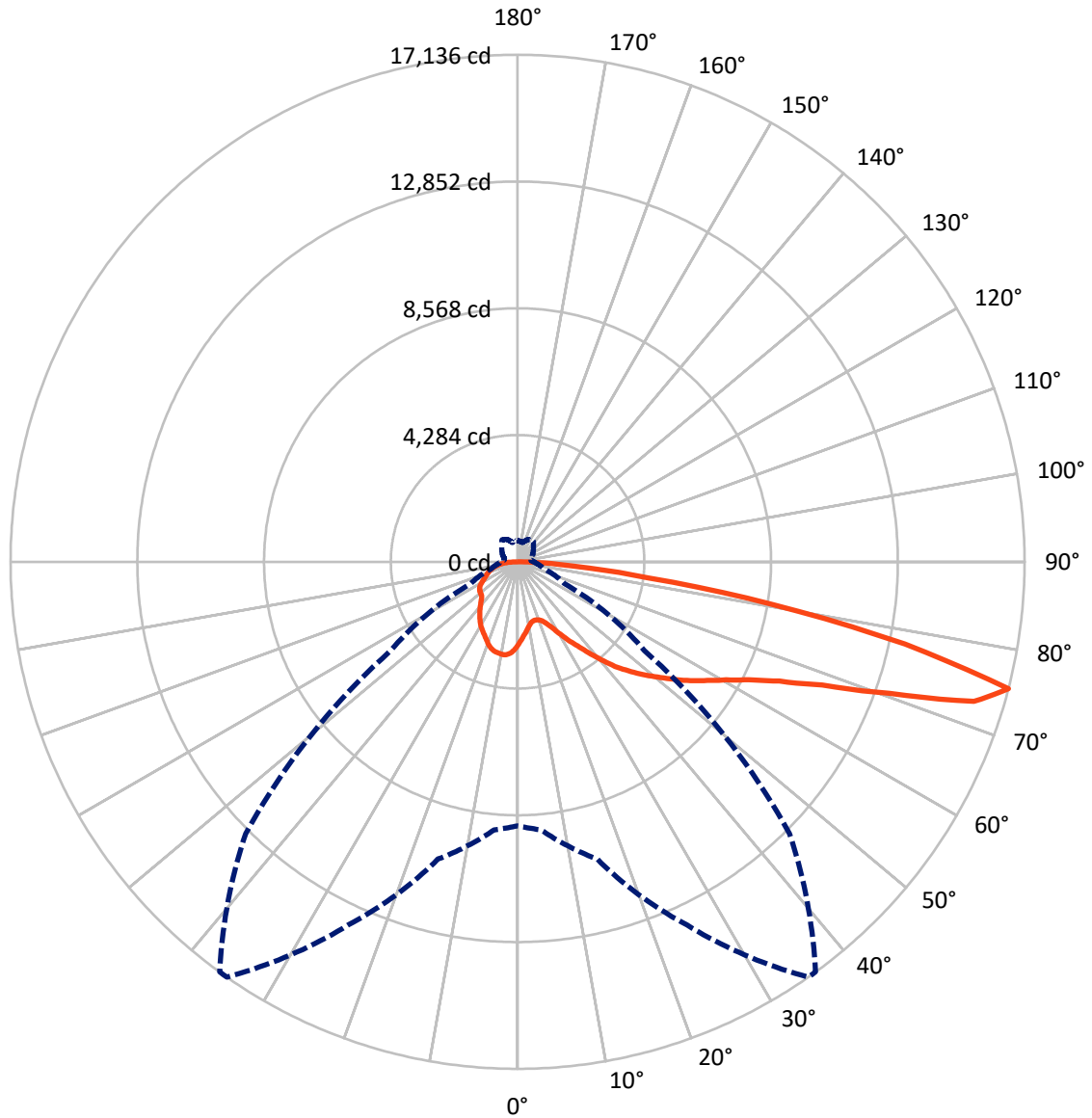
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5003.2	0.0	5003.2
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	16020.8	0.0	16020.8
	% Fixture	76.2	0.0	76.2
Total	Lumens	21024.0	0.0	21024.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	265.3	1.3
10°-20°	765.1	3.6
20°-30°	1284.8	6.1
30°-40°	1996.8	9.5
40°-50°	2963.8	14.1
50°-60°	4091.6	19.5
60°-70°	4964.1	23.6
70°-80°	4102.4	19.5
80°-90°	590.1	2.8
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°	21024.0	100.0
0°-180°	21024.0	100.0

Coefficient of Utilization

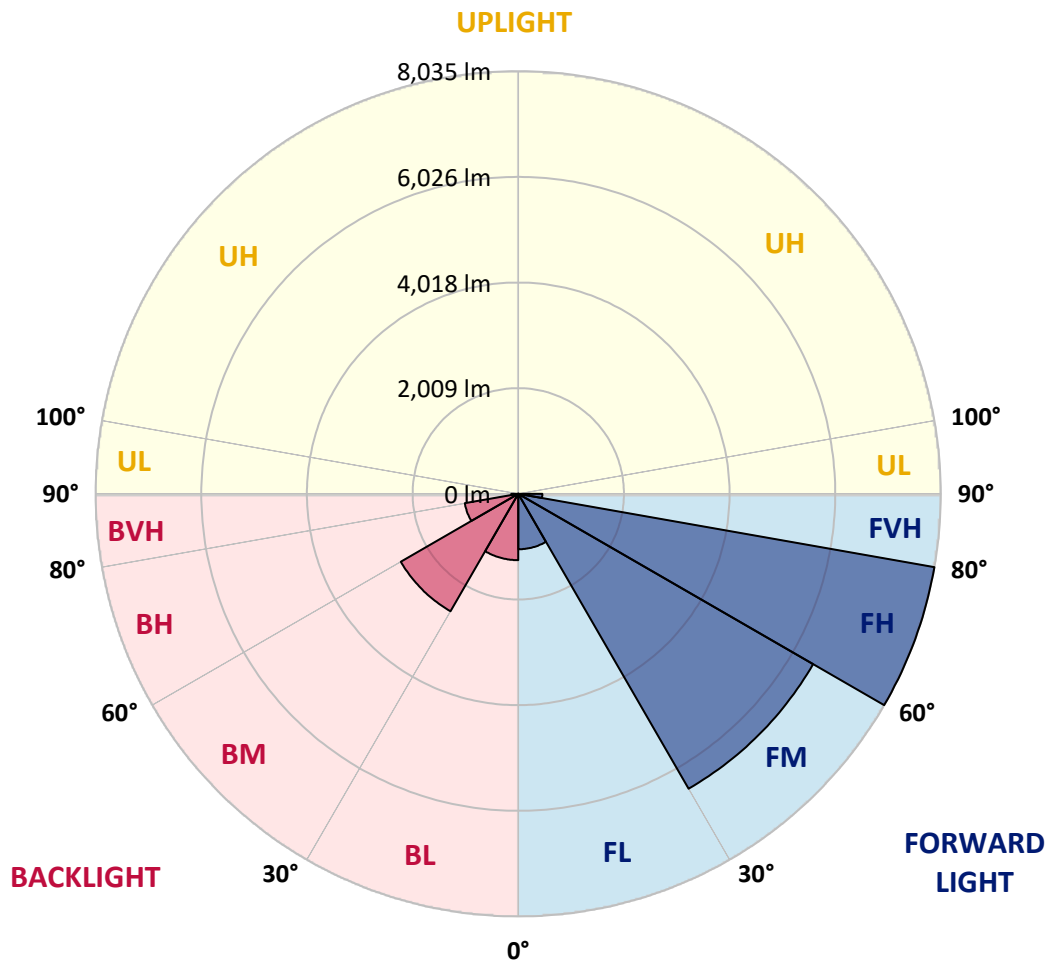


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1054.3	5.0			
FM (30°-60°)	6474.3	30.8			
FH (60°-80°)	8035.1	38.2			G4/12000
FVH (80°-90°)	457.2	2.2			G3/500
BL (0°-30°)	1260.9	6.0	B3/2500		
BM (30°-60°)	2577.9	12.3	B3/5000		
BH (60°-80°)	1031.5	4.9	B3/2500		G3/2500
BVH (80°-90°)	132.9	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4
 Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	2801.6	2801.6	2801.6	2801.6	2801.6	2801.6	2801.6	2801.6	2801.6	2801.6
2.5°	2583.4	2599.3	2606.1	2602.7	2619.7	2617.5	2641.3	2670.9	2711.8	2751.6
5°	2384.5	2401.5	2416.3	2429.9	2462.9	2473.1	2510.6	2567.5	2642.5	2718.6
7.5°	2199.2	2214.0	2236.7	2261.7	2317.4	2327.6	2390.2	2478.8	2583.4	2694.8
10°	2048.1	2062.8	2086.7	2115.1	2184.4	2196.9	2276.5	2394.7	2531.1	2672.0
12.5°	1983.3	1987.8	2001.5	2029.9	2090.1	2098.1	2185.6	2320.8	2479.9	2655.0
15°	1979.9	1989.0	1990.1	2004.9	2054.9	2058.3	2139.0	2273.1	2448.1	2651.6
17.5°	2014.0	2020.8	2010.6	2019.6	2061.7	2067.4	2131.0	2250.4	2437.9	2666.3
20°	2104.9	2110.6	2079.9	2067.4	2098.1	2102.6	2165.1	2265.1	2448.1	2697.0
22.5°	2298.1	2301.5	2226.5	2175.4	2177.6	2179.9	2234.5	2325.4	2487.9	2752.7
25°	2599.3	2597.0	2477.7	2378.8	2322.0	2309.5	2345.8	2423.1	2555.0	2826.6
27.5°	2951.6	2934.6	2815.2	2667.5	2543.6	2525.4	2517.5	2550.4	2650.4	2924.3
30°	3349.4	3333.5	3205.1	3011.9	2840.2	2810.7	2735.7	2718.6	2792.5	3057.3
32.5°	3785.8	3775.6	3622.2	3388.0	3158.5	3124.4	2998.2	2952.8	3010.7	3258.5
35°	4151.8	4142.7	4015.4	3774.5	3493.7	3451.7	3323.3	3272.1	3301.7	3516.5
37.5°	4482.5	4478.0	4368.9	4179.1	3889.3	3838.1	3693.8	3676.7	3671.0	3856.3
40°	4789.4	4778.0	4664.4	4564.4	4349.6	4303.0	4175.7	4160.9	4117.7	4274.6
42.5°	5129.2	5099.7	4934.9	4888.3	4830.3	4791.7	4715.5	4717.8	4622.3	4746.2
45°	5406.6	5389.5	5220.2	5192.9	5255.4	5239.5	5305.4	5322.5	5137.2	5240.6
47.5°	5704.3	5688.4	5545.2	5525.9	5695.2	5699.8	5932.8	5938.5	5639.5	5754.3
50°	6071.4	6048.7	5906.6	5930.5	6120.3	6137.4	6563.6	6524.9	6102.1	6276.0
52.5°	6313.5	6327.2	6296.5	6335.1	6594.3	6610.2	7184.1	7085.2	6560.2	6790.9
55°	6492.0	6519.2	6614.7	6703.4	7094.3	7110.2	7769.4	7618.3	6939.8	7268.2
57.5°	6721.5	6682.9	6861.3	7034.1	7569.4	7611.5	8338.9	8132.0	7276.2	7679.7
60°	7051.1	7023.9	7162.5	7418.2	8101.3	8168.4	8941.2	8594.6	7522.8	8005.8
62.5°	7719.4	7651.2	7672.8	7899.0	8771.9	8860.5	9620.9	8998.0	7645.6	8133.1
65°	8718.5	8601.4	8492.3	8649.1	9716.3	9803.9	10388.0	9315.1	7600.1	7886.5
67.5°	9976.6	9860.7	9726.6	9874.3	11107.5	11176.8	11334.8	9493.6	7242.1	6936.4
70°	11014.3	10971.1	11131.3	11739.4	13329.4	13331.7	12548.6	9345.8	6261.2	4917.8
72.5°	10876.8	10850.6	11695.1	13574.9	16129.9	16069.6	13697.7	8227.5	4217.7	2218.5
75°	8923.0	9092.4	10400.5	13542.0	17135.7	17127.8	12994.2	5230.4	1744.6	919.5
77.5°	4784.9	5053.1	6752.2	9998.2	13377.2	13578.3	9135.6	1829.8	749.0	588.7
80°	1560.5	1794.6	2691.3	5090.6	8692.3	8654.8	3915.4	718.3	512.6	417.1
82.5°	662.6	689.9	1202.5	2403.8	4460.9	4391.6	1246.8	412.6	360.3	285.3
85°	259.1	289.8	530.8	1111.5	1932.1	1890.1	450.1	204.6	230.7	186.4
87.5°	85.2	103.4	189.8	380.7	601.2	579.6	110.2	70.5	100.0	85.2
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):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
2801.6	0°	2801.6	2801.6	2801.6	2801.6	2801.6	2801.6	2801.6	2801.6	2801.6	2801.6
2809.5	2.5°	2825.5	2843.6	2865.2	2897.1	2924.3	2947.1	2970.9	2985.7	2991.4	3008.4
2814.1	5°	2845.9	2885.7	2939.1	2991.4	3042.5	3073.2	3100.5	3114.1	3126.6	3135.7
2826.6	7.5°	2880.0	2931.2	3015.3	3083.5	3126.6	3151.6	3169.8	3165.3	3169.8	3172.1
2840.2	10°	2909.6	2981.2	3081.2	3146.0	3178.9	3180.1	3175.5	3159.6	3151.6	3152.8
2860.7	12.5°	2944.8	3024.4	3132.3	3186.9	3196.0	3171.0	3151.6	3124.4	3114.1	3109.6
2891.4	15°	2992.5	3083.5	3188.0	3208.5	3185.7	3153.9	3121.0	3076.6	3053.9	3035.7
2943.7	17.5°	3050.5	3150.5	3231.2	3216.4	3167.6	3115.3	3061.9	2994.8	2948.2	2928.9
3015.3	20°	3131.2	3221.0	3264.2	3199.4	3125.5	3045.9	2955.0	2873.2	2830.0	2810.7
3106.2	22.5°	3228.9	3315.3	3296.0	3169.8	3065.3	2938.0	2824.3	2764.1	2742.5	2728.9
3223.2	25°	3346.0	3419.9	3318.7	3126.6	2966.4	2794.8	2707.3	2687.9	2677.7	2667.5
3366.5	27.5°	3498.3	3538.1	3335.8	3063.0	2811.8	2642.5	2610.7	2614.1	2610.7	2593.6
3565.4	30°	3699.5	3691.5	3351.7	2959.6	2634.5	2505.0	2507.2	2522.0	2524.3	2512.9
3842.7	32.5°	3964.3	3883.6	3359.6	2825.5	2465.2	2384.5	2386.8	2402.7	2414.0	2394.7
4205.2	35°	4284.8	4107.5	3347.1	2657.2	2334.5	2269.7	2252.6	2257.2	2260.6	2242.4
4645.1	37.5°	4658.7	4358.7	3291.4	2470.9	2226.5	2157.2	2120.8	2090.1	2071.9	2054.9
5142.9	40°	5069.0	4632.6	3189.2	2289.0	2106.0	2037.8	1983.3	1925.3	1863.9	1841.2
5670.2	42.5°	5498.6	4914.4	3065.3	2115.1	1967.4	1911.7	1853.7	1769.6	1677.5	1630.9
6218.1	45°	5944.1	5203.1	2943.7	1943.5	1825.3	1801.4	1734.4	1633.2	1533.2	1474.1
6767.0	47.5°	6380.6	5475.9	2765.2	1770.7	1692.3	1718.5	1666.2	1573.0	1461.6	1368.4
7311.4	50°	6797.7	5731.6	2473.1	1595.7	1584.3	1693.5	1643.4	1509.3	1382.0	1262.7
7845.6	52.5°	7211.4	5938.5	2099.2	1436.6	1526.4	1686.6	1613.9	1466.1	1310.4	1185.4
8347.9	55°	7562.6	6045.3	1738.9	1300.2	1442.3	1628.7	1578.7	1415.0	1209.3	1076.3
8692.3	57.5°	7762.6	5958.9	1438.9	1166.1	1326.4	1533.2	1518.4	1305.9	1088.8	986.5
8759.4	60°	7676.2	5608.9	1193.4	1049.0	1216.1	1429.8	1413.9	1197.9	996.8	900.1
8400.2	62.5°	7200.0	4941.7	999.0	946.7	1116.1	1324.1	1309.3	1115.0	926.3	833.1
7446.7	65°	6240.8	4020.0	847.9	861.5	1014.9	1196.8	1218.4	1045.6	870.6	779.7
5761.2	67.5°	4759.9	2911.8	729.7	787.6	916.1	1071.8	1134.3	995.6	824.0	737.6
3333.5	70°	2712.9	1653.7	629.6	716.0	828.5	955.8	1069.5	955.8	774.0	702.4
1249.1	72.5°	1028.6	759.2	544.4	644.4	744.4	858.1	997.9	893.3	716.0	662.6
645.6	75°	549.0	462.6	458.0	560.3	647.8	762.6	908.1	832.0	672.8	700.1
446.7	77.5°	373.9	327.3	383.0	479.6	542.1	656.9	812.6	738.8	583.0	580.8
309.1	80°	259.1	231.9	311.4	386.4	419.4	552.4	709.2	634.2	475.1	443.3
190.9	82.5°	155.7	151.2	233.0	288.7	296.6	426.2	587.6	531.9	388.7	338.7
113.7	85°	85.2	89.8	148.9	169.3	172.8	297.8	460.3	411.4	298.9	251.2
40.9	87.5°	23.9	30.7	54.6	67.1	83.0	154.6	273.9	244.4	150.0	104.6
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END O

<u>180°</u>
2801.6
3007.3
3138.0
3175.5
3155.1
3107.3
3041.4
2930.0
2808.4
2731.1
2667.5
2597.0
2518.6
2403.8
2254.9
2066.2
1851.4
1636.6
1469.6
1358.2
1252.5
1171.8
1064.9
972.9
886.5
818.3
764.9
724.0
693.3
653.5
722.8
535.3
423.9
341.0
253.5
104.6
0.0

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