

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: P852743

Luminaire Tested: **GLAN-SB6A-827-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852743
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-827-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21436 lumens
Efficiency: N/A
Efficacy: 125.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

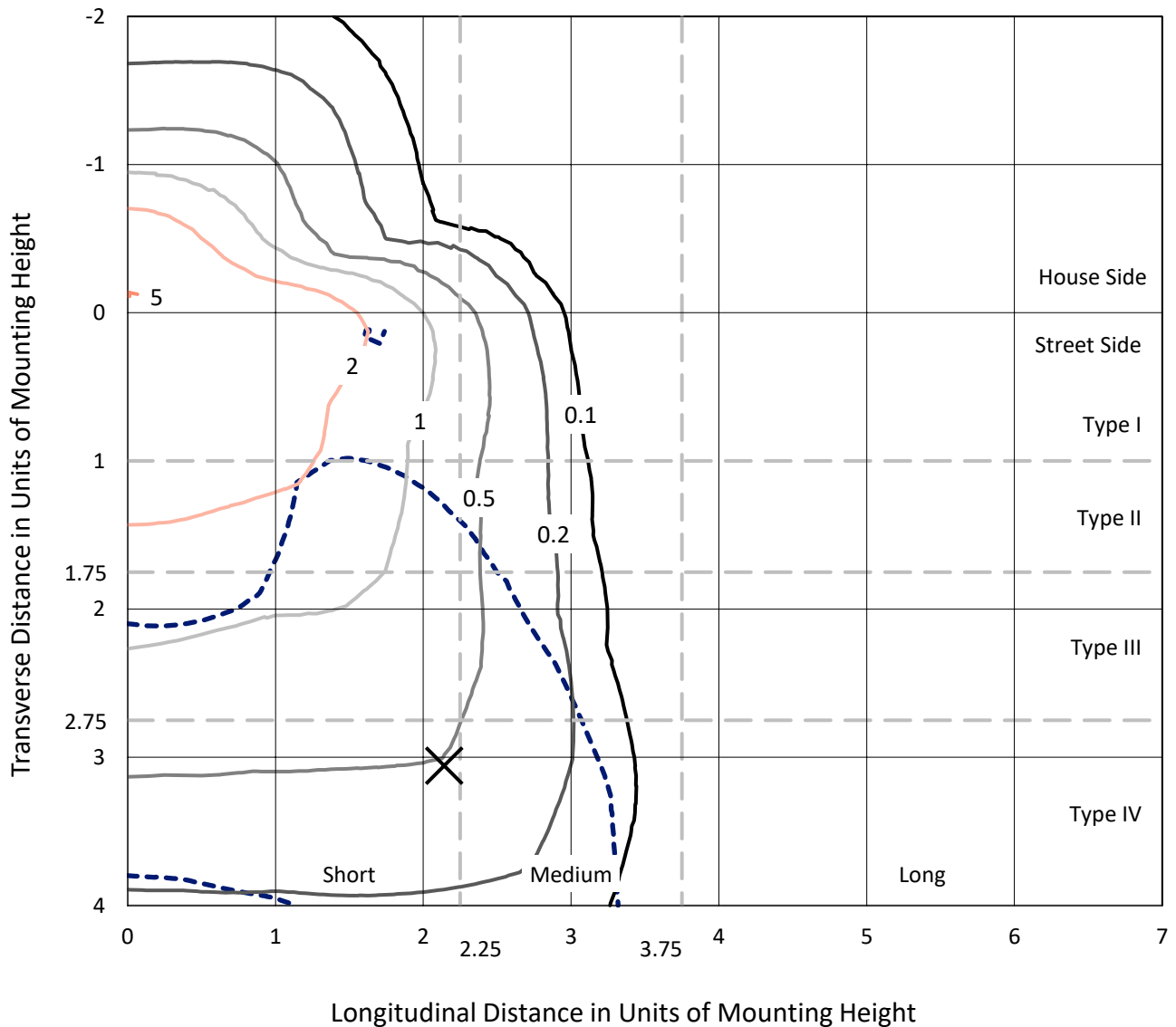
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

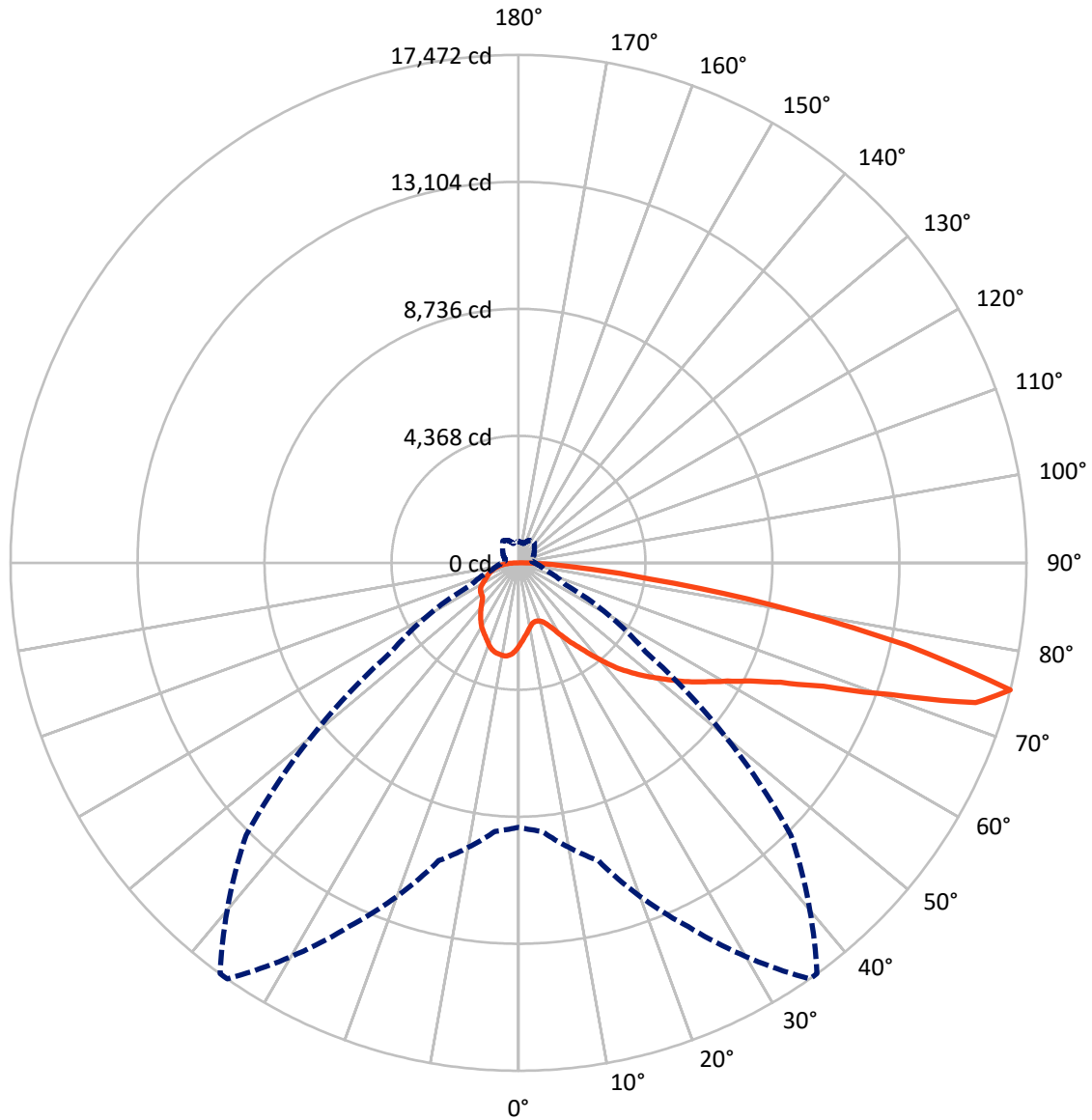
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.1 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	5101.2	0.0	5101.2
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	16334.8	0.0	16334.8
	% Fixture	76.2	0.0	76.2
Total	Lumens	21436.0	0.0	21436.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	270.5	1.3
10°-20°	780.1	3.6
20°-30°	1310.0	6.1
30°-40°	2035.9	9.5
40°-50°	3021.8	14.1
50°-60°	4171.8	19.5
60°-70°	5061.4	23.6
70°-80°	4182.9	19.5
80°-90°	601.6	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°	21436.0	100.0
0°-180°	21436.0	100.0

Coefficient of Utilization

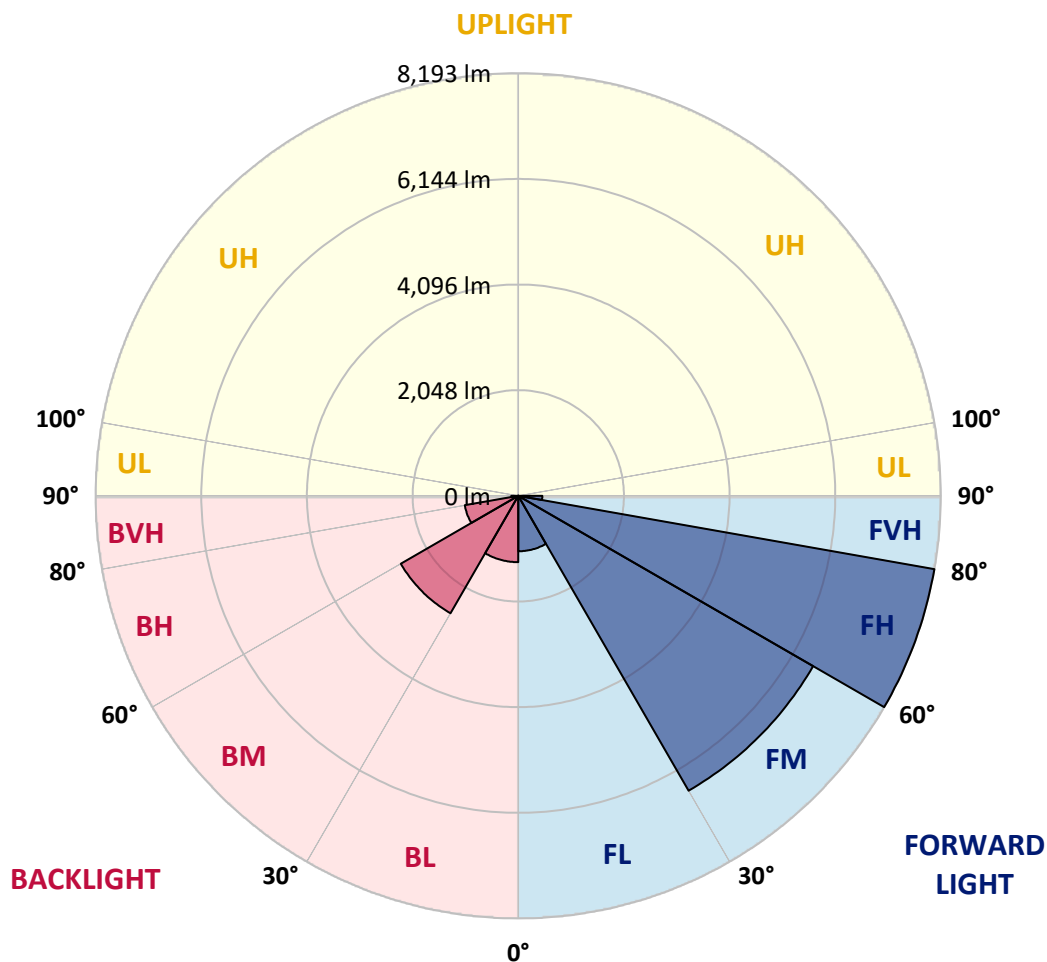


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1075.0	5.0			
FM (30°-60°)	6601.1	30.8			
FH (60°-80°)	8192.5	38.2			G4/12000
FVH (80°-90°)	466.1	2.2			G3/500
BL (0°-30°)	1285.6	6.0	B3/2500		
BM (30°-60°)	2628.5	12.3	B3/5000		
BH (60°-80°)	1051.7	4.9	B3/2500		G3/2500
BVH (80°-90°)	135.5	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°	2856.5	2856.5	2856.5	2856.5	2856.5	2856.5	2856.5	2856.5	2856.5	2856.5
2.5°	2634.0	2650.2	2657.2	2653.7	2671.1	2668.8	2693.1	2723.2	2764.9	2805.5
5°	2431.2	2448.6	2463.7	2477.6	2511.2	2521.6	2559.8	2617.8	2694.3	2771.9
7.5°	2242.3	2257.4	2280.6	2306.1	2362.8	2373.3	2437.0	2527.4	2634.0	2747.6
10°	2088.2	2103.3	2127.6	2156.6	2227.3	2240.0	2321.1	2441.6	2580.7	2724.4
12.5°	2022.1	2026.8	2040.7	2069.7	2131.1	2139.2	2228.4	2366.3	2528.5	2707.0
15°	2018.7	2027.9	2029.1	2044.2	2095.1	2098.6	2180.9	2317.6	2496.1	2703.5
17.5°	2053.4	2060.4	2050.0	2059.2	2102.1	2107.9	2172.8	2294.5	2485.7	2718.6
20°	2146.1	2151.9	2120.6	2107.9	2139.2	2143.8	2207.6	2309.5	2496.1	2749.9
22.5°	2343.1	2346.6	2270.1	2218.0	2220.3	2222.6	2278.2	2370.9	2536.7	2806.7
25°	2650.2	2647.9	2526.2	2425.4	2367.5	2354.7	2391.8	2470.6	2605.0	2882.0
27.5°	3009.5	2992.1	2870.4	2719.8	2593.4	2574.9	2566.8	2600.4	2702.4	2981.6
30°	3415.0	3398.8	3267.9	3070.9	2895.9	2865.8	2789.3	2771.9	2847.2	3117.2
32.5°	3860.0	3849.6	3693.2	3454.4	3220.4	3185.6	3057.0	3010.6	3069.7	3322.3
35°	4233.2	4223.9	4094.1	3848.4	3562.2	3519.3	3388.4	3336.2	3366.4	3585.4
37.5°	4570.4	4565.8	4454.5	4261.0	3965.5	3913.3	3766.2	3748.8	3743.0	3931.9
40°	4883.3	4871.7	4755.8	4653.8	4434.8	4387.3	4257.5	4242.4	4198.4	4358.3
42.5°	5229.8	5199.6	5031.6	4984.1	4925.0	4885.6	4807.9	4810.3	4712.9	4839.2
45°	5512.5	5495.1	5322.5	5294.6	5358.4	5342.2	5409.4	5426.8	5237.9	5343.3
47.5°	5816.1	5799.9	5653.9	5634.2	5806.8	5811.5	6049.0	6054.8	5750.1	5867.1
50°	6190.4	6167.2	6022.4	6046.7	6240.2	6257.6	6692.2	6652.8	6221.7	6399.0
52.5°	6437.2	6451.2	6419.9	6459.3	6723.5	6739.7	7324.9	7224.1	6688.7	6924.0
55°	6619.2	6647.0	6744.3	6834.7	7233.4	7249.6	7921.7	7767.6	7075.8	7410.7
57.5°	6853.3	6813.9	6995.8	7171.9	7717.7	7760.6	8502.3	8291.4	7418.8	7830.1
60°	7189.3	7161.5	7302.9	7563.6	8260.1	8328.4	9116.4	8763.0	7670.2	8162.7
62.5°	7870.7	7801.2	7823.2	8053.8	8943.8	9034.2	9809.4	9174.4	7795.4	8292.5
65°	8889.3	8770.0	8658.7	8818.6	9906.8	9996.0	10591.6	9497.7	7749.0	8041.1
67.5°	10172.1	10053.9	9917.2	10067.8	11325.2	11395.8	11556.9	9679.6	7384.0	7072.3
70°	11230.1	11186.1	11349.5	11969.5	13590.6	13593.0	12794.5	9529.0	6383.9	5014.2
72.5°	11089.9	11063.3	11924.3	13840.9	16446.0	16384.6	13966.1	8388.7	4300.4	2262.0
75°	9097.9	9270.6	10604.4	13807.3	17471.5	17463.4	13248.8	5332.9	1778.8	937.5
77.5°	4878.6	5152.1	6884.6	10194.1	13639.3	13844.4	9314.6	1865.7	763.7	600.3
80°	1591.1	1829.8	2744.1	5190.4	8862.7	8824.4	3992.1	732.4	522.6	425.3
82.5°	675.6	703.4	1226.0	2450.9	4548.4	4477.7	1271.2	420.7	367.3	290.9
85°	264.2	295.5	541.2	1133.3	1970.0	1927.1	458.9	208.6	235.2	190.0
87.5°	86.9	105.5	193.5	388.2	613.0	591.0	112.4	71.8	102.0	86.9
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):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
2856.5	0°	2856.5	2856.5	2856.5	2856.5	2856.5	2856.5	2856.5	2856.5	2856.5	2856.5
2864.6	2.5°	2880.8	2899.4	2921.4	2953.8	2981.6	3004.8	3029.2	3044.2	3050.0	3067.4
2869.2	5°	2901.7	2942.2	2996.7	3050.0	3102.2	3133.5	3161.3	3175.2	3187.9	3197.2
2882.0	7.5°	2936.5	2988.6	3074.4	3143.9	3187.9	3213.4	3231.9	3227.3	3231.9	3234.3
2895.9	10°	2966.6	3039.6	3141.6	3207.6	3241.2	3242.4	3237.7	3221.5	3213.4	3214.6
2916.8	12.5°	3002.5	3083.6	3193.7	3249.3	3258.6	3233.1	3213.4	3185.6	3175.2	3170.5
2948.0	15°	3051.2	3143.9	3250.5	3271.3	3248.2	3215.7	3182.1	3136.9	3113.8	3095.2
3001.3	17.5°	3110.3	3212.2	3294.5	3279.5	3229.6	3176.3	3121.9	3053.5	3006.0	2986.3
3074.4	20°	3192.5	3284.1	3328.1	3262.1	3186.8	3105.6	3012.9	2929.5	2885.5	2865.8
3167.1	22.5°	3292.2	3380.3	3360.6	3231.9	3125.3	2995.6	2879.7	2818.3	2796.2	2782.3
3286.4	25°	3411.6	3486.9	3383.8	3187.9	3024.5	2849.5	2760.3	2740.6	2730.2	2719.8
3432.4	27.5°	3566.8	3607.4	3401.1	3123.0	2866.9	2694.3	2661.8	2665.3	2661.8	2644.4
3635.2	30°	3772.0	3763.8	3417.4	3017.6	2686.1	2554.0	2556.4	2571.4	2573.7	2562.2
3918.0	32.5°	4042.0	3959.7	3425.5	2880.8	2513.5	2431.2	2433.5	2449.7	2461.3	2441.6
4287.6	35°	4368.8	4188.0	3412.7	2709.3	2380.2	2314.2	2296.8	2301.4	2304.9	2286.4
4736.1	37.5°	4750.0	4444.1	3355.9	2519.3	2270.1	2199.4	2162.4	2131.1	2112.5	2095.1
5243.7	40°	5168.3	4723.4	3251.6	2333.9	2147.3	2077.8	2022.1	1963.0	1900.5	1877.3
5781.4	42.5°	5606.4	5010.7	3125.3	2156.6	2005.9	1949.1	1890.0	1804.3	1710.4	1662.9
6339.9	45°	6060.6	5305.1	3001.3	1981.6	1861.1	1836.7	1768.4	1665.2	1563.2	1503.0
6899.6	47.5°	6505.6	5583.2	2819.4	1805.4	1725.5	1752.1	1698.8	1603.8	1490.2	1395.2
7454.7	50°	6930.9	5843.9	2521.6	1627.0	1615.4	1726.6	1675.7	1538.9	1409.1	1287.4
7999.3	52.5°	7352.7	6054.8	2140.3	1464.7	1556.3	1719.7	1645.5	1494.9	1336.1	1208.6
8511.5	55°	7710.8	6163.8	1773.0	1325.7	1470.5	1660.6	1609.6	1442.7	1233.0	1097.4
8862.7	57.5°	7914.7	6075.7	1467.1	1188.9	1352.3	1563.2	1548.2	1331.5	1110.1	1005.9
8931.0	60°	7826.7	5718.8	1216.8	1069.6	1239.9	1457.8	1441.6	1221.4	1016.3	917.8
8564.8	62.5°	7341.1	5038.6	1018.6	965.3	1138.0	1350.0	1335.0	1136.8	944.4	849.4
7592.6	65°	6363.1	4098.7	864.5	878.4	1034.8	1220.2	1242.3	1066.1	887.7	795.0
5874.1	67.5°	4853.1	2968.9	744.0	803.1	934.0	1092.8	1156.5	1015.1	840.1	752.1
3398.8	70°	2766.1	1686.1	642.0	730.1	844.8	974.6	1090.4	974.6	789.2	716.2
1273.5	72.5°	1048.7	774.1	555.1	657.1	759.0	874.9	1017.4	910.8	730.1	675.6
658.2	75°	559.7	471.6	467.0	571.3	660.5	777.6	925.9	848.3	686.0	713.8
455.4	77.5°	381.3	333.7	390.5	489.0	552.8	669.8	828.6	753.2	594.5	592.2
315.2	80°	264.2	236.4	317.5	394.0	427.6	563.2	723.1	646.6	484.4	451.9
194.7	82.5°	158.8	154.1	237.6	294.3	302.5	434.6	599.1	542.3	396.3	345.3
115.9	85°	86.9	91.5	151.8	172.7	176.1	303.6	469.3	419.5	304.8	256.1
41.7	87.5°	24.3	31.3	55.6	68.4	84.6	157.6	279.3	249.1	153.0	106.6
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

180°
2856.5
3066.2
3199.5
3237.7
3216.9
3168.2
3101.0
2987.4
2863.4
2784.6
2719.8
2647.9
2567.9
2450.9
2299.1
2106.7
1887.7
1668.7
1498.4
1384.8
1277.0
1194.7
1085.8
992.0
903.9
834.4
779.9
738.2
706.9
666.3
737.0
545.8
432.2
347.6
258.4
106.6
0.0

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