

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: P852627

Luminaire Tested: **GLAN-SB5B-722-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852627
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-SB5B-722-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21985 lumens
Efficiency: N/A
Efficacy: 120.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

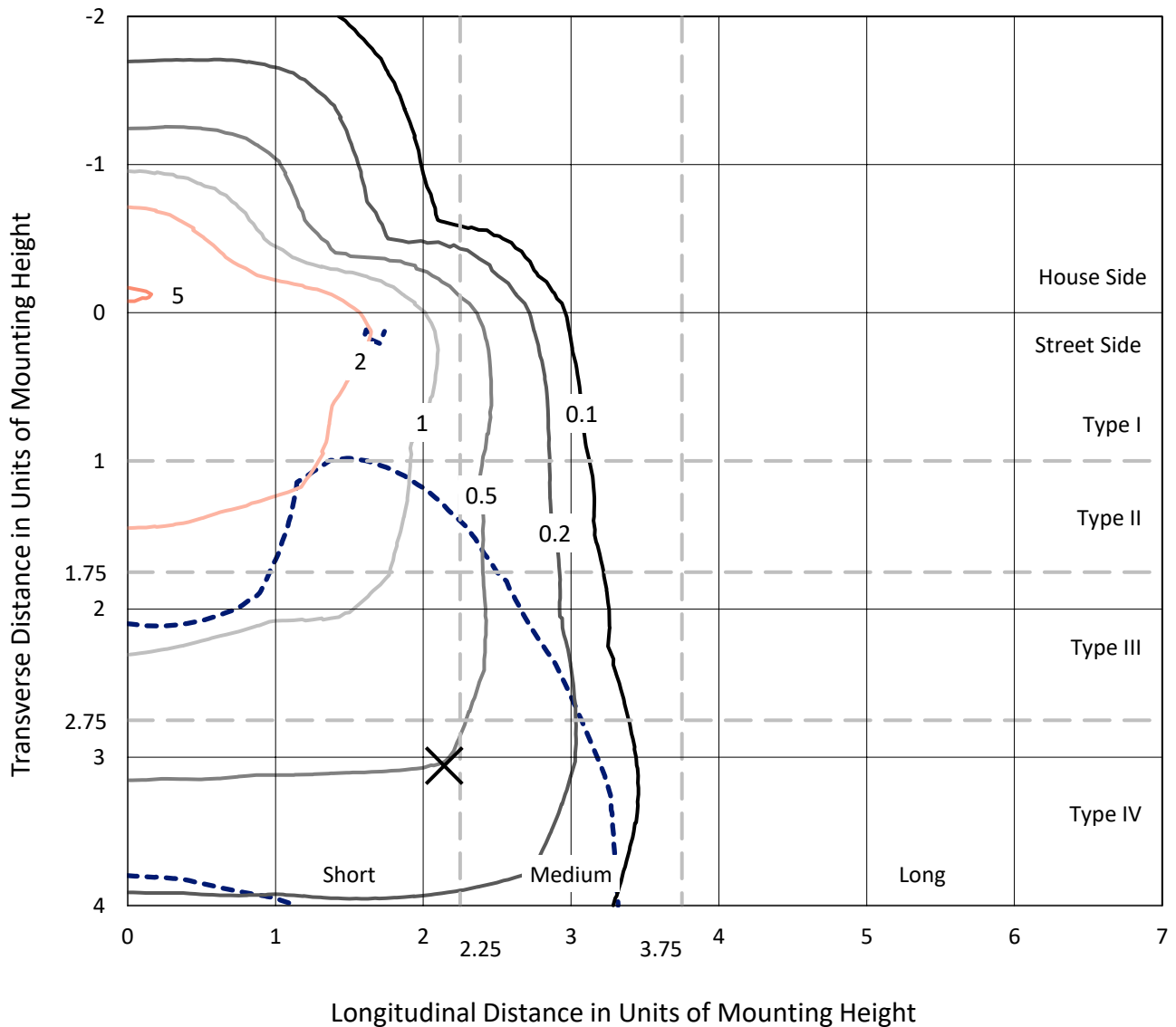
Input Watts (W): 182.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

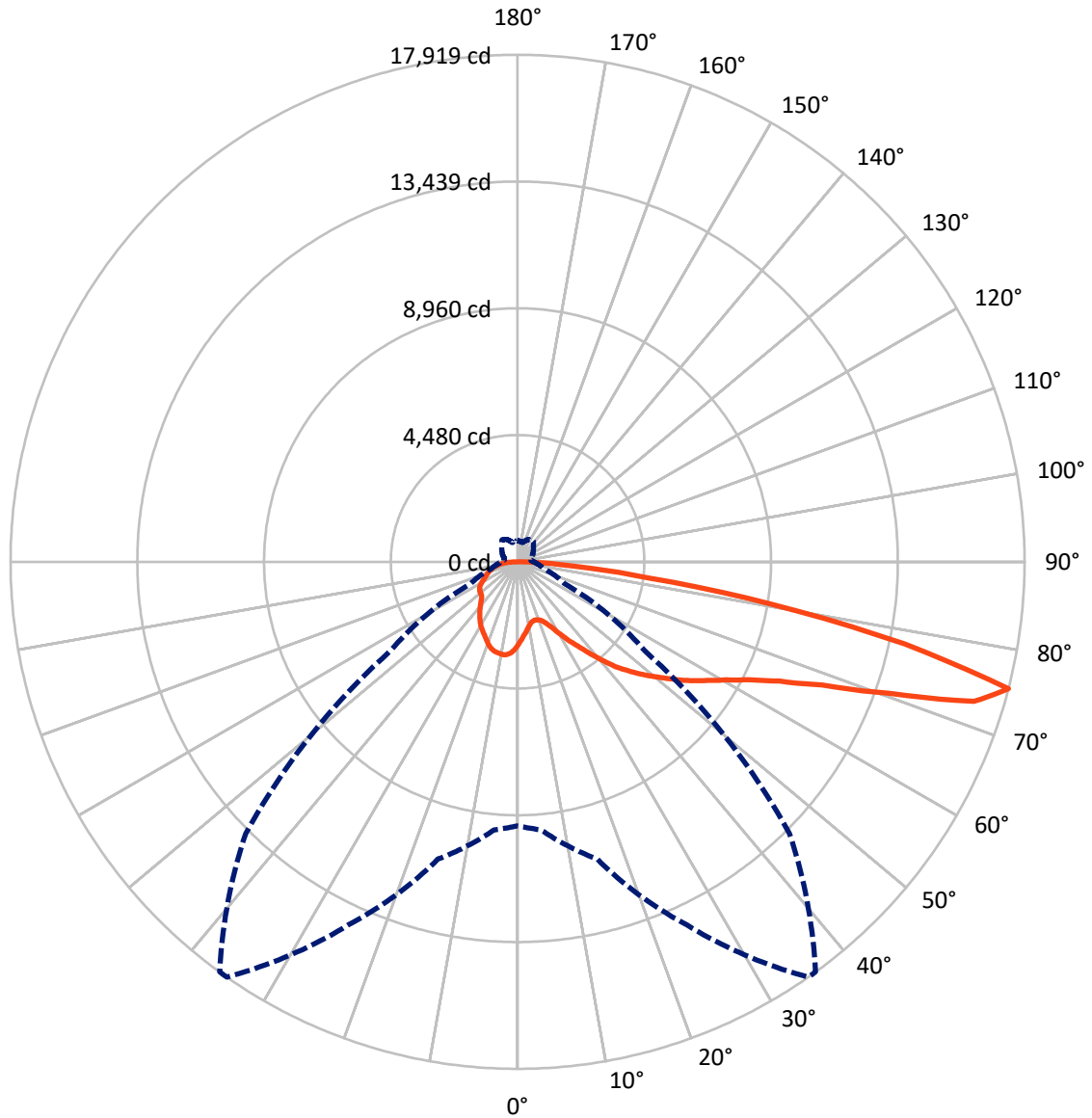
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.2 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	5231.9	0.0	5231.9
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	16753.1	0.0	16753.1
	% Fixture	76.2	0.0	76.2
Total	Lumens	21985.0	0.0	21985.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	277.4	1.3
10°-20°	800.1	3.6
20°-30°	1343.5	6.1
30°-40°	2088.1	9.5
40°-50°	3099.2	14.1
50°-60°	4278.7	19.5
60°-70°	5191.0	23.6
70°-80°	4290.0	19.5
80°-90°	617.0	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°	21985.0	100.0
0°-180°	21985.0	100.0

Coefficient of Utilization

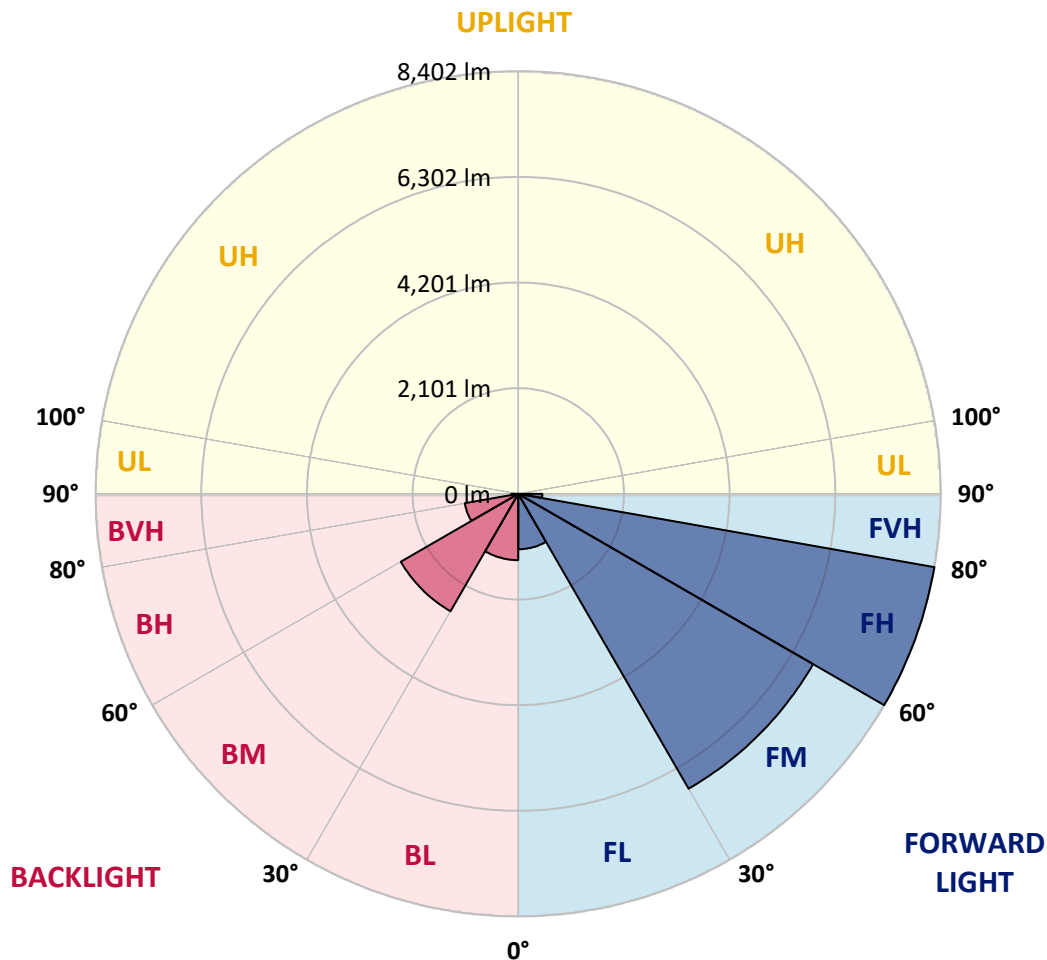


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1102.5	5.0			
FM (30°-60°)	6770.2	30.8			
FH (60°-80°)	8402.3	38.2			G4/12000
FVH (80°-90°)	478.1	2.2			G3/500
BL (0°-30°)	1318.5	6.0	B3/2500		
BM (30°-60°)	2695.8	12.3	B3/5000		
BH (60°-80°)	1078.7	4.9	B3/2500		G3/2500
BVH (80°-90°)	138.9	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°	2929.6	2929.6	2929.6	2929.6	2929.6	2929.6	2929.6	2929.6	2929.6	2929.6
2.5°	2701.5	2718.1	2725.2	2721.7	2739.5	2737.1	2762.1	2793.0	2835.8	2877.4
5°	2493.5	2511.3	2526.7	2541.0	2575.5	2586.2	2625.4	2684.8	2763.3	2842.9
7.5°	2299.7	2315.2	2339.0	2365.1	2423.3	2434.0	2499.4	2592.1	2701.5	2817.9
10°	2141.7	2157.1	2182.1	2211.8	2284.3	2297.4	2380.6	2504.2	2646.8	2794.2
12.5°	2073.9	2078.7	2092.9	2122.7	2185.6	2194.0	2285.5	2426.9	2593.3	2776.3
15°	2070.4	2079.9	2081.1	2096.5	2148.8	2152.4	2236.8	2377.0	2560.0	2772.8
17.5°	2106.0	2113.2	2102.5	2112.0	2155.9	2161.9	2228.4	2353.2	2549.3	2788.2
20°	2201.1	2207.0	2175.0	2161.9	2194.0	2198.7	2264.1	2368.7	2560.0	2820.3
22.5°	2403.1	2406.7	2328.3	2274.8	2277.2	2279.5	2336.6	2431.7	2601.6	2878.5
25°	2718.1	2715.7	2590.9	2487.5	2428.1	2415.0	2453.1	2533.9	2671.7	2955.8
27.5°	3086.5	3068.7	2943.9	2789.4	2659.9	2640.8	2632.5	2667.0	2771.6	3058.0
30°	3502.5	3485.9	3351.6	3149.5	2970.1	2939.2	2860.7	2842.9	2920.1	3197.1
32.5°	3958.9	3948.2	3787.7	3542.9	3302.8	3267.2	3135.3	3087.7	3148.3	3407.4
35°	4341.6	4332.1	4199.0	3947.0	3653.4	3609.5	3475.2	3421.7	3452.6	3677.2
37.5°	4687.4	4682.7	4568.6	4370.1	4067.0	4013.6	3862.6	3844.8	3838.9	4032.6
40°	5008.3	4996.4	4877.6	4773.0	4548.4	4499.7	4366.5	4351.1	4305.9	4469.9
42.5°	5363.7	5332.8	5160.5	5111.7	5051.1	5010.7	4931.1	4933.5	4833.6	4963.2
45°	5653.7	5635.9	5458.8	5430.3	5495.6	5479.0	5547.9	5565.7	5372.0	5480.2
47.5°	5965.1	5948.4	5798.7	5778.5	5955.6	5960.3	6204.0	6209.9	5897.3	6017.4
50°	6349.0	6325.2	6176.6	6201.6	6400.1	6417.9	6863.6	6823.2	6381.1	6562.9
52.5°	6602.1	6616.4	6584.3	6624.7	6895.7	6912.3	7512.5	7409.1	6860.0	7101.3
55°	6788.7	6817.2	6917.1	7009.8	7418.6	7435.2	8124.6	7966.5	7257.0	7600.5
57.5°	7028.8	6988.4	7175.0	7355.6	7915.4	7959.4	8720.0	8503.7	7608.8	8030.7
60°	7373.4	7344.9	7489.9	7757.3	8471.6	8541.7	9349.9	8987.4	7866.7	8371.8
62.5°	8072.3	8001.0	8023.6	8260.1	9172.8	9265.5	10060.6	9409.3	7995.0	8504.9
65°	9117.0	8994.6	8880.5	9044.5	10160.5	10252.0	10862.9	9740.9	7947.5	8247.0
67.5°	10432.6	10311.4	10171.2	10325.7	11615.2	11687.7	11852.9	9927.5	7573.1	7253.4
70°	11517.7	11472.6	11640.2	12276.0	13938.7	13941.1	13122.2	9773.0	6547.4	5142.6
72.5°	11373.9	11346.6	12229.7	14195.4	16867.2	16804.2	14323.8	8603.5	4410.5	2319.9
75°	9330.9	9508.0	10876.0	14161.0	17919.0	17910.7	13588.1	5469.5	1824.3	961.5
77.5°	5003.6	5284.1	7060.9	10455.2	13988.6	14199.0	9553.2	1913.5	783.2	615.6
80°	1631.8	1876.6	2814.4	5323.3	9089.6	9050.4	4094.4	751.1	536.0	436.2
82.5°	692.9	721.4	1257.4	2513.7	4664.9	4592.4	1303.8	431.4	376.8	298.3
85°	271.0	303.1	555.0	1162.4	2020.4	1976.5	470.6	213.9	241.3	194.9
87.5°	89.1	108.2	198.5	398.1	628.7	606.1	115.3	73.7	104.6	89.1
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°
2929.6	0°	2929.6	2929.6	2929.6	2929.6	2929.6	2929.6	2929.6	2929.6	2929.6	2929.6
2938.0	2.5°	2954.6	2973.6	2996.2	3029.5	3058.0	3081.8	3106.7	3122.2	3128.1	3146.0
2942.7	5°	2976.0	3017.6	3073.5	3128.1	3181.6	3213.7	3242.2	3256.5	3269.6	3279.1
2955.8	7.5°	3011.7	3065.1	3153.1	3224.4	3269.6	3295.7	3314.7	3310.0	3314.7	3317.1
2970.1	10°	3042.6	3117.4	3222.0	3289.8	3324.2	3325.4	3320.7	3304.0	3295.7	3296.9
2991.5	12.5°	3079.4	3162.6	3275.5	3332.6	3342.1	3315.9	3295.7	3267.2	3256.5	3251.7
3023.5	15°	3129.3	3224.4	3333.7	3355.1	3331.4	3298.1	3263.6	3217.3	3193.5	3174.5
3078.2	17.5°	3189.9	3294.5	3378.9	3363.5	3312.3	3257.7	3201.8	3131.7	3083.0	3062.8
3153.1	20°	3274.3	3368.2	3413.4	3345.6	3268.4	3185.2	3090.1	3004.5	2959.4	2939.2
3248.2	22.5°	3376.5	3466.9	3446.6	3314.7	3205.4	3072.3	2953.4	2890.4	2867.8	2853.6
3370.6	25°	3498.9	3576.2	3470.4	3269.6	3102.0	2922.5	2831.0	2810.8	2800.1	2789.4
3520.3	27.5°	3658.2	3699.8	3488.2	3203.0	2940.3	2763.3	2730.0	2733.5	2730.0	2712.2
3728.3	30°	3868.6	3860.2	3504.9	3094.9	2754.9	2619.5	2621.8	2637.3	2639.7	2627.8
4018.3	32.5°	4145.5	4061.1	3513.2	2954.6	2577.9	2493.5	2495.8	2512.5	2524.4	2504.2
4397.4	35°	4480.6	4295.2	3500.1	2778.7	2441.2	2373.4	2355.6	2360.4	2363.9	2344.9
4857.4	37.5°	4871.7	4557.9	3441.9	2583.8	2328.3	2255.8	2217.7	2185.6	2166.6	2148.8
5378.0	40°	5300.7	4844.3	3334.9	2393.6	2202.3	2131.0	2073.9	2013.3	1949.1	1925.4
5929.4	42.5°	5750.0	5139.1	3205.4	2211.8	2057.3	1999.1	1938.4	1850.5	1754.2	1705.5
6502.3	45°	6215.8	5440.9	3078.2	2032.3	1908.7	1883.8	1813.6	1707.9	1603.3	1541.5
7076.3	47.5°	6672.2	5726.2	2891.6	1851.7	1769.7	1797.0	1742.3	1644.9	1528.4	1431.0
7645.6	50°	7108.4	5993.6	2586.2	1668.7	1656.8	1770.9	1718.6	1578.3	1445.2	1320.4
8204.2	52.5°	7541.0	6209.9	2195.2	1502.3	1596.2	1763.7	1687.7	1533.2	1370.3	1239.6
8729.5	55°	7908.3	6321.6	1818.4	1359.6	1508.2	1703.1	1650.8	1479.7	1264.6	1125.5
9089.6	57.5°	8117.4	6231.3	1504.6	1219.4	1387.0	1603.3	1587.8	1365.6	1138.6	1031.6
9159.8	60°	8027.1	5865.2	1247.9	1097.0	1271.7	1495.1	1478.5	1252.7	1042.3	941.3
8784.2	62.5°	7529.1	5167.6	1044.7	990.0	1167.1	1384.6	1369.2	1165.9	968.6	871.2
7787.0	65°	6526.0	4203.7	886.6	900.9	1061.3	1251.5	1274.1	1093.4	910.4	815.3
6024.5	67.5°	4977.4	3044.9	763.0	823.6	957.9	1120.8	1186.1	1041.1	861.7	771.3
3485.9	70°	2836.9	1729.3	658.4	748.8	866.4	999.5	1118.4	999.5	809.4	734.5
1306.2	72.5°	1075.6	793.9	569.3	673.9	778.5	897.3	1043.5	934.2	748.8	692.9
675.1	75°	574.0	483.7	479.0	585.9	677.4	797.5	949.6	870.0	703.6	732.1
467.1	77.5°	391.0	342.3	400.5	501.5	566.9	687.0	849.8	772.5	609.7	607.3
323.3	80°	271.0	242.5	325.6	404.1	438.6	577.6	741.6	663.2	496.8	463.5
199.7	82.5°	162.8	158.1	243.6	301.9	310.2	445.7	614.5	556.2	406.5	354.2
118.8	85°	89.1	93.9	155.7	177.1	180.7	311.4	481.3	430.2	312.6	262.7
42.8	87.5°	25.0	32.1	57.0	70.1	86.8	161.6	286.4	255.5	156.9	109.3
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°
2929.6
3144.8
3281.4
3320.7
3299.3
3249.4
3180.4
3064.0
2936.8
2856.0
2789.4
2715.7
2633.7
2513.7
2358.0
2160.7
1936.1
1711.4
1536.7
1420.3
1309.7
1225.3
1113.6
1017.4
927.0
855.7
799.9
757.1
725.0
683.4
755.9
559.8
443.3
356.5
265.0
109.3
0.0

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