

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: P848523

Luminaire Tested: **GLAN-SB5A-850-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848523
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB5A-850-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 80 CRI, 5000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19287 lumens
Efficiency: N/A
Efficacy: 136.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B3 - U0 - G4

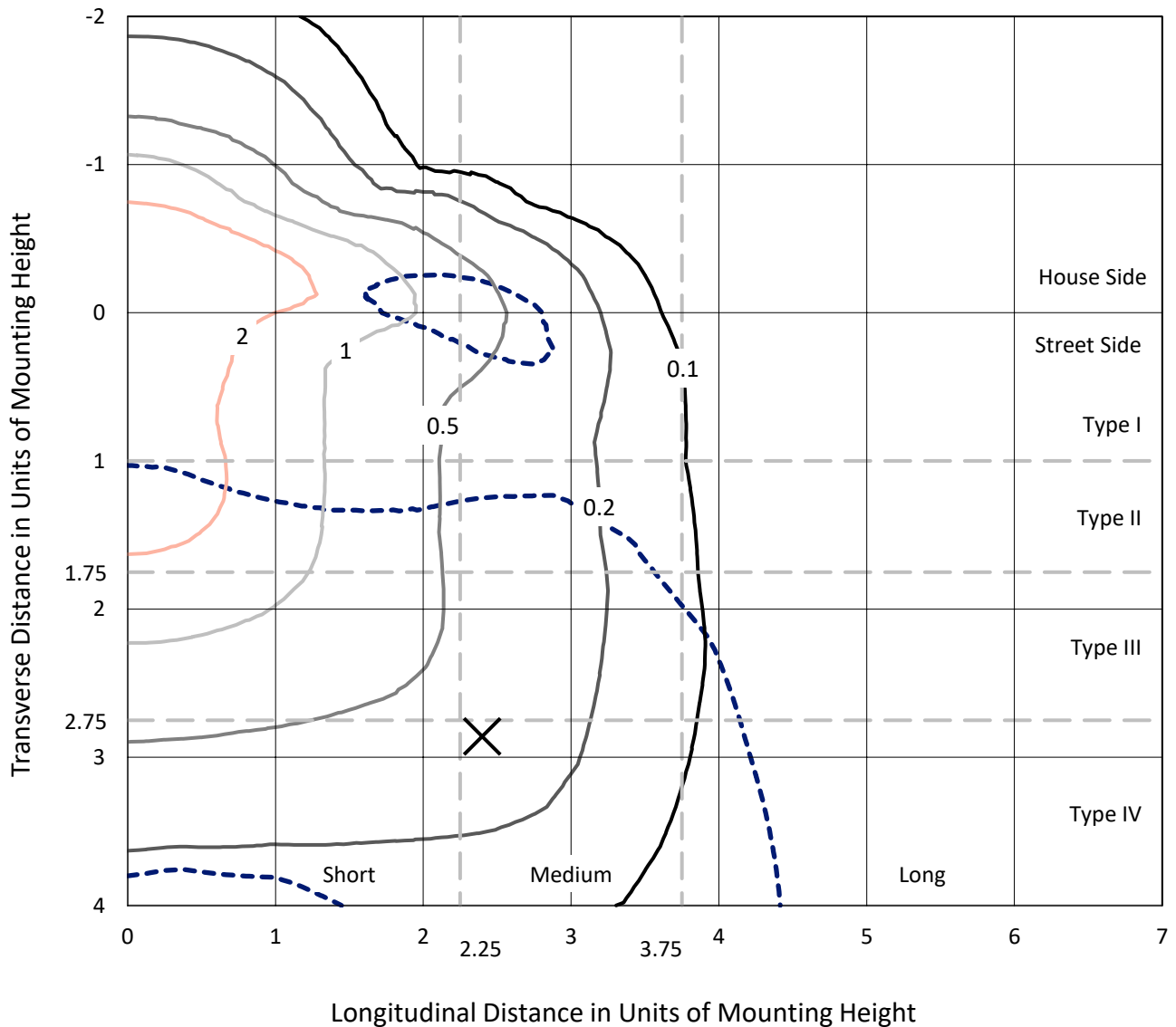
Input Watts (W): 141.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

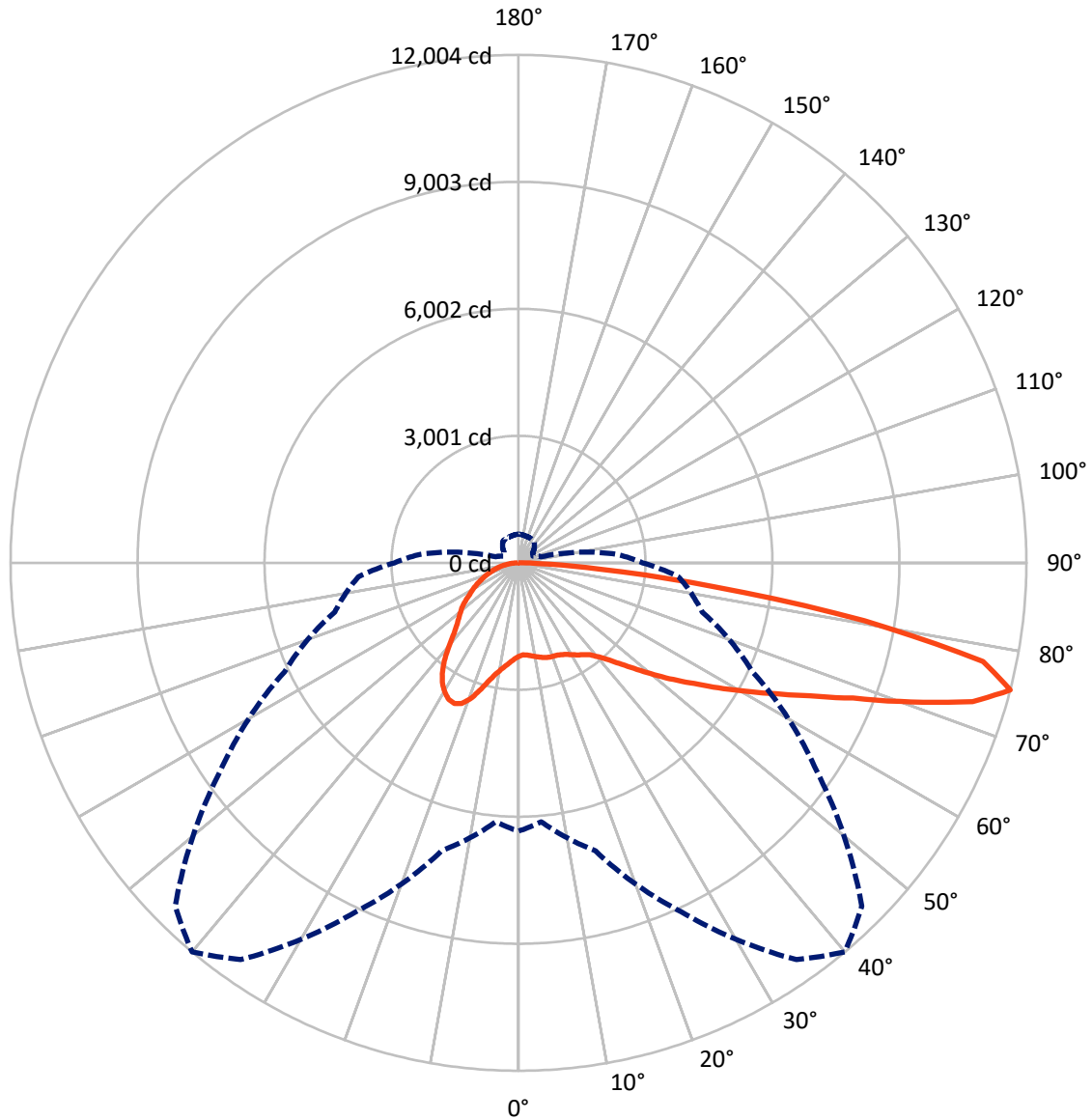
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.6 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5975.8	0.0	5975.8
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	13311.2	0.0	13311.2
	% Fixture	69.0	0.0	69.0
Total	Lumens	19287.0	0.0	19287.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	220.2	1.1
10°-20°	739.1	3.8
20°-30°	1349.6	7.0
30°-40°	1914.1	9.9
40°-50°	2584.7	13.4
50°-60°	3477.0	18.0
60°-70°	4413.2	22.9
70°-80°	4005.2	20.8
80°-90°	583.8	3.0
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°	19287.0	100.0
0°-180°	19287.0	100.0

Coefficient of Utilization

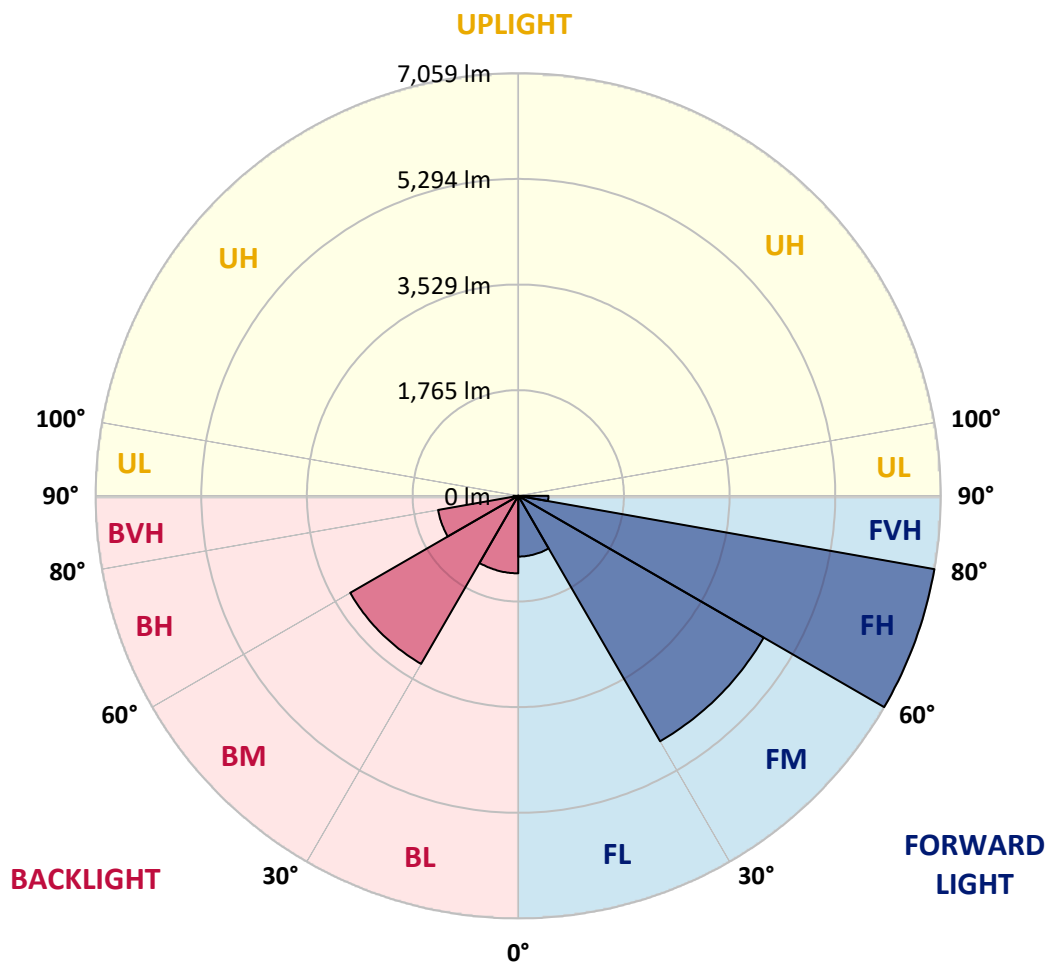


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1014.5	5.3			
FM (30°-60°)	4734.5	24.5			
FH (60°-80°)	7058.7	36.6			G3/7500
FVH (80°-90°)	503.5	2.6			G4/750
BL (0°-30°)	1294.4	6.7	B3/2500		
BM (30°-60°)	3241.3	16.8	B3/5000		
BH (60°-80°)	1359.7	7.0	B3/2500		G3/2500
BVH (80°-90°)	80.4	0.4			G1/100
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 Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	2205.5	2205.5	2205.5	2205.5	2205.5	2205.5	2205.5	2205.5	2205.5	2205.5
2.5°	2171.7	2184.0	2180.9	2176.9	2176.9	2177.9	2176.9	2184.0	2191.2	2198.3
5°	2194.2	2206.5	2200.4	2195.3	2191.2	2190.1	2187.1	2186.1	2190.1	2199.4
7.5°	2238.2	2250.5	2241.3	2232.1	2223.9	2219.8	2215.7	2209.6	2206.5	2211.6
10°	2287.3	2299.6	2288.4	2272.0	2258.7	2253.6	2249.5	2243.3	2239.3	2242.3
12.5°	2336.4	2348.7	2333.4	2310.9	2293.5	2290.4	2285.3	2283.2	2282.2	2281.2
15°	2382.5	2392.7	2373.3	2346.7	2328.2	2323.1	2318.0	2321.1	2326.2	2332.3
17.5°	2418.3	2428.5	2399.9	2365.1	2347.7	2345.6	2342.6	2352.8	2367.1	2382.5
20°	2451.0	2461.2	2424.4	2377.4	2356.9	2356.9	2357.9	2379.4	2399.9	2422.4
22.5°	2497.0	2505.2	2460.2	2395.8	2366.1	2368.1	2376.3	2397.8	2423.4	2454.1
25°	2565.6	2571.7	2516.5	2430.5	2396.8	2402.9	2410.1	2420.3	2444.9	2480.7
27.5°	2676.1	2681.2	2608.5	2491.9	2440.8	2451.0	2461.2	2454.1	2465.3	2496.0
30°	2831.5	2834.6	2742.5	2588.1	2515.4	2520.6	2522.6	2492.9	2471.5	2496.0
32.5°	3015.7	3014.7	2905.2	2704.7	2600.4	2595.2	2577.9	2519.5	2469.4	2490.9
35°	3301.1	3289.8	3148.7	2868.4	2696.5	2664.8	2623.9	2549.2	2479.6	2485.8
37.5°	3773.7	3738.9	3543.5	3136.4	2839.7	2758.9	2698.6	2597.3	2502.2	2483.7
40°	4306.6	4262.7	4047.8	3503.6	3054.5	2924.6	2827.5	2665.8	2539.0	2492.9
42.5°	4938.8	4876.4	4645.2	3936.3	3326.7	3138.4	2992.1	2752.8	2593.2	2522.6
45°	5715.3	5632.4	5305.1	4424.3	3669.3	3418.7	3223.3	2884.7	2676.1	2579.9
47.5°	6499.9	6520.3	6054.9	4982.8	4080.6	3764.5	3512.8	3083.2	2796.8	2672.0
50°	7333.6	7347.9	6800.6	5601.7	4547.0	4155.2	3838.1	3305.2	2964.5	2802.9
52.5°	7984.2	7986.2	7477.8	6249.2	5032.9	4584.9	4189.0	3558.9	3158.9	2976.8
55°	8391.3	8386.2	7952.5	6862.0	5591.5	5036.0	4577.7	3847.3	3396.2	3181.4
57.5°	8686.9	8671.6	8279.8	7388.8	6186.8	5569.0	5017.6	4174.7	3676.5	3424.9
60°	8799.5	8790.3	8501.8	7844.0	6812.9	6158.2	5525.0	4540.9	3994.6	3712.3
62.5°	8842.4	8859.8	8719.7	8284.9	7482.9	6810.8	6082.5	4978.7	4352.7	4037.6
65°	8993.8	9025.5	8996.9	8861.9	8239.9	7575.0	6822.1	5499.4	4743.4	4386.4
67.5°	9293.6	9325.3	9337.5	9552.4	9164.7	8527.4	7744.8	6148.0	5200.7	4748.6
70°	9286.4	9277.2	9494.1	10101.7	10322.7	9846.0	8988.7	6945.9	5745.9	5049.3
72.5°	8452.7	8379.0	8891.5	10095.6	11286.3	11222.9	10507.8	7975.0	6216.5	5086.1
75°	6341.3	6144.9	7050.2	9098.2	11446.9	12004.4	11473.5	8613.3	6105.0	4493.8
77.5°	2711.9	2514.4	3581.4	6735.1	10244.9	11221.8	10587.6	7514.6	4873.4	2971.7
80°	709.9	708.9	1082.3	3053.5	6967.4	8287.0	7270.2	4852.9	2784.5	1061.8
82.5°	293.6	286.4	397.9	1187.7	3404.4	4650.4	3795.2	2164.6	1005.6	287.5
85°	109.5	108.4	193.3	410.2	1201.0	1918.0	1388.2	553.4	250.6	140.1
87.5°	30.7	29.7	41.9	142.2	292.6	444.0	237.3	91.0	70.6	55.2
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°
2205.5	0°	2205.5	2205.5	2205.5	2205.5	2205.5	2205.5	2205.5	2205.5	2205.5	2205.5
2209.6	2.5°	2212.7	2217.8	2227.0	2234.1	2243.3	2253.6	2267.9	2277.1	2286.3	2292.4
2214.7	5°	2221.9	2233.1	2256.6	2280.2	2307.8	2333.4	2363.0	2384.5	2401.9	2407.0
2233.1	7.5°	2242.3	2260.7	2300.6	2340.5	2384.5	2426.5	2469.4	2506.2	2535.9	2547.2
2265.8	10°	2278.1	2302.7	2358.9	2415.2	2473.5	2538.0	2593.2	2646.4	2688.3	2705.7
2304.7	12.5°	2323.1	2353.8	2427.5	2505.2	2586.0	2675.0	2746.6	2812.1	2864.3	2887.8
2358.9	15°	2381.4	2421.3	2515.4	2619.8	2738.5	2862.2	2953.3	3025.9	3084.2	3112.9
2415.2	17.5°	2444.9	2498.1	2616.7	2774.3	2944.1	3106.7	3213.1	3266.3	3326.7	3354.3
2467.4	20°	2506.2	2571.7	2741.5	2970.7	3196.7	3369.6	3455.5	3469.9	3474.0	3477.0
2516.5	22.5°	2569.7	2657.6	2898.0	3218.2	3460.7	3580.3	3592.6	3531.2	3445.3	3405.4
2564.6	25°	2639.2	2755.8	3102.6	3491.4	3687.8	3702.1	3608.0	3458.6	3296.0	3221.3
2603.4	27.5°	2706.7	2869.4	3348.1	3752.2	3851.4	3725.6	3523.1	3311.3	3114.9	3036.1
2631.0	30°	2774.3	2999.3	3619.2	3980.3	3926.1	3667.3	3389.1	3152.8	2955.3	2872.5
2655.6	32.5°	2842.8	3150.7	3931.2	4145.0	3912.8	3543.5	3222.3	2974.8	2800.9	2713.9
2677.1	35°	2920.5	3336.9	4226.9	4235.0	3823.8	3361.4	3002.4	2762.0	2610.6	2541.0
2702.7	37.5°	3021.8	3573.2	4487.7	4257.5	3668.3	3094.4	2729.2	2510.3	2385.5	2353.8
2740.5	40°	3147.6	3857.6	4687.2	4221.7	3438.2	2770.2	2430.5	2255.6	2185.0	2192.2
2791.6	42.5°	3311.3	4175.7	4827.3	4129.7	3118.0	2435.7	2168.7	2090.9	2124.7	2153.3
2868.4	45°	3524.1	4506.1	4914.3	3973.2	2755.8	2152.3	2014.2	2032.6	2058.2	2061.3
2992.1	47.5°	3796.2	4840.6	4971.6	3736.9	2386.6	1952.8	1916.0	1920.1	1915.0	1893.5
3177.3	50°	4135.8	5165.9	5022.7	3423.8	2072.5	1828.0	1778.9	1764.6	1694.0	1624.5
3423.8	52.5°	4522.5	5464.6	5044.2	3035.1	1828.0	1723.7	1643.9	1553.9	1421.9	1400.4
3733.8	55°	4952.1	5740.8	4989.0	2557.4	1622.4	1589.7	1469.0	1360.5	1346.2	1327.8
4142.0	57.5°	5465.7	6038.5	4876.4	2024.4	1411.7	1433.2	1315.5	1327.8	1302.2	1273.6
4666.7	60°	6027.3	6346.4	4679.0	1538.5	1193.8	1237.8	1275.6	1274.6	1267.4	1243.9
5220.1	62.5°	6532.6	6549.0	4290.3	1178.4	1002.5	1086.4	1189.7	1188.7	1182.5	1169.2
5798.1	65°	6833.3	6518.3	3641.7	927.8	845.0	961.6	1073.1	1081.3	1082.3	1081.3
6232.9	67.5°	6780.2	6159.2	2751.8	738.6	715.0	834.7	957.5	968.7	976.9	979.0
6288.1	70°	6178.7	5370.5	1794.3	589.2	599.5	723.2	848.0	859.3	866.4	874.6
5456.4	72.5°	4816.1	3948.6	1027.0	476.7	498.2	627.1	739.6	752.9	757.0	772.3
3797.2	75°	2934.9	2322.1	554.4	375.4	409.2	536.0	632.2	647.5	654.7	673.1
1864.8	77.5°	1395.3	1005.6	316.1	292.6	329.4	437.8	534.0	551.4	531.9	542.2
514.5	80°	471.6	373.4	199.5	223.0	251.6	341.7	427.6	445.0	404.1	402.0
170.8	82.5°	164.7	151.4	126.8	148.3	162.7	244.5	323.3	345.8	300.7	299.7
76.7	85°	64.4	61.4	70.6	80.8	97.2	150.4	212.8	224.0	185.2	149.4
22.5	87.5°	13.3	14.3	17.4	18.4	29.7	52.2	76.7	94.1	74.7	63.4
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°
2205.5
2288.4
2409.1
2548.2
2706.7
2887.8
3110.8
3353.3
3485.2
3416.7
3232.5
3045.3
2881.7
2725.2
2556.4
2376.3
2216.7
2179.9
2081.7
1909.9
1633.7
1407.6
1330.9
1268.5
1235.7
1164.1
1081.3
981.0
878.7
778.5
675.2
534.0
397.9
285.4
147.3
58.3
0.0

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