

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: P847993

Luminaire Tested: **GLAN-SB4B-835-U-SL4**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P847993  
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-SB4B-835-U-SL4  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 80 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL  
LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 18523 lumens  
Efficiency: N/A  
Efficacy: 126.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B3 - U0 - G3

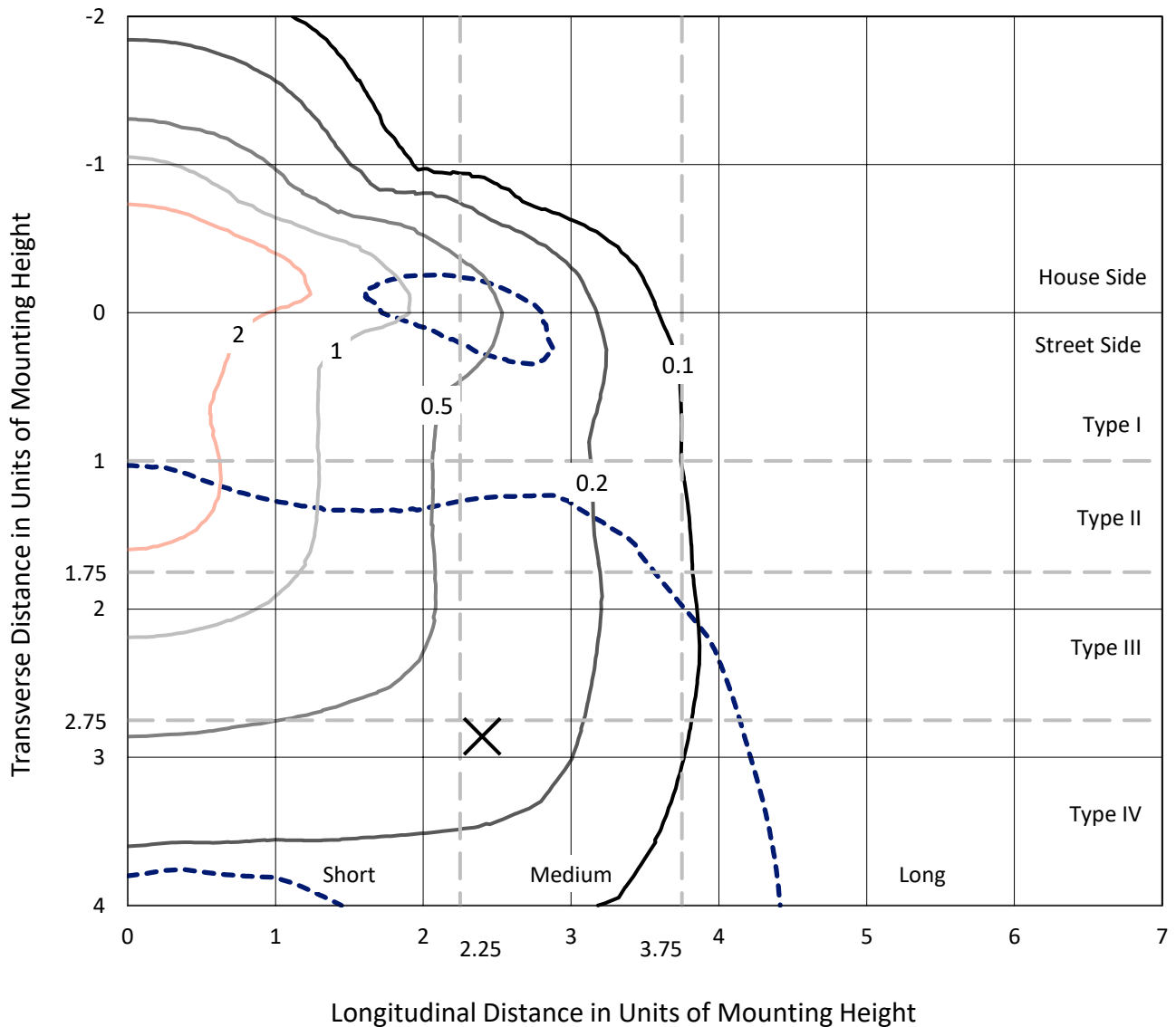
Input Watts (W): 147  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

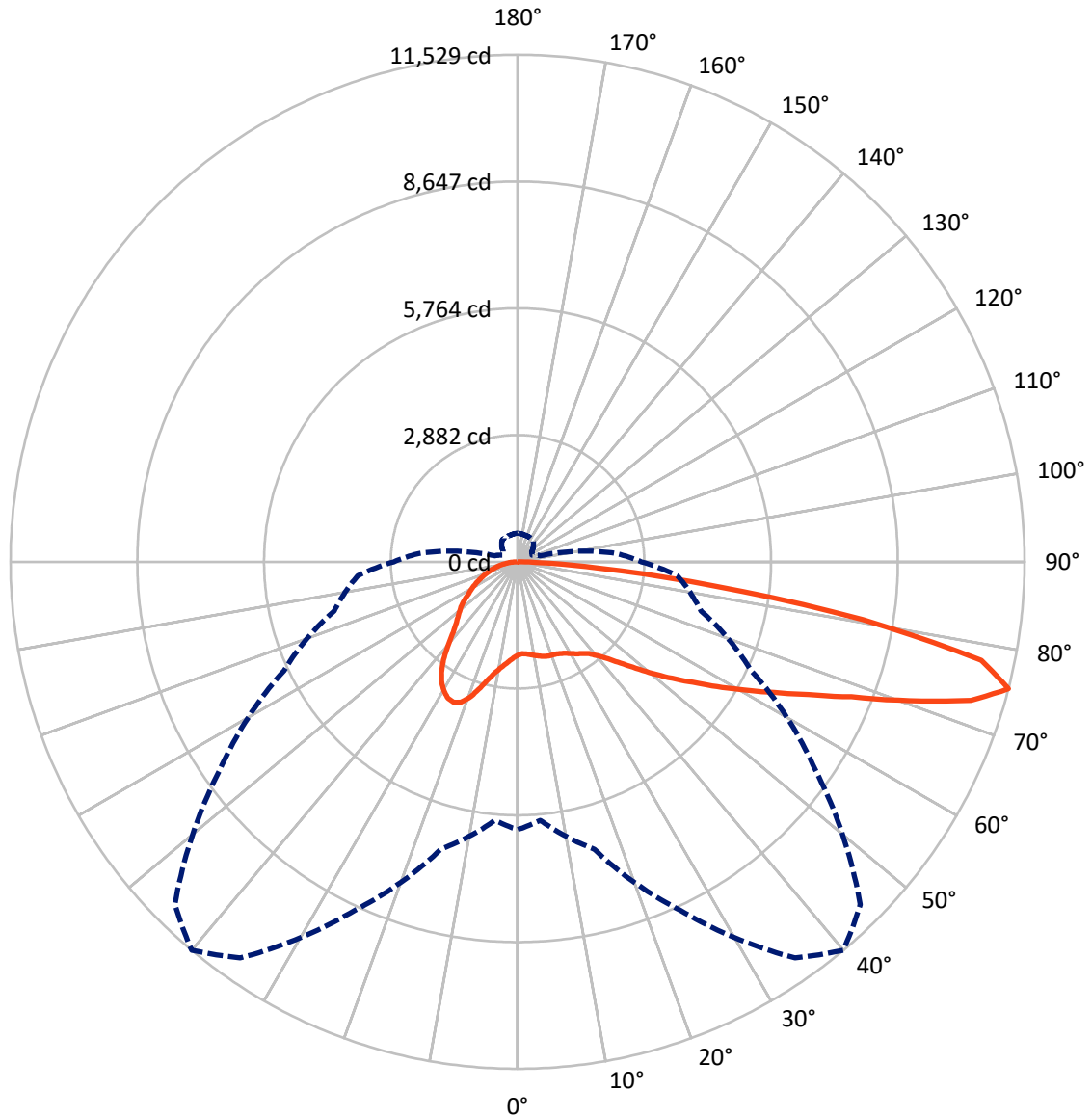
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.4 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
<b>House Side</b>	Lumens	5739.0	0.0	5739.0
	% Fixture	31.0	0.0	31.0
<b>Street Side</b>	Lumens	12784.0	0.0	12784.0
	% Fixture	69.0	0.0	69.0
<b>Total</b>	Lumens	18523.0	0.0	18523.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	211.4	1.1
10°-20°	709.9	3.8
20°-30°	1296.2	7.0
30°-40°	1838.3	9.9
40°-50°	2482.3	13.4
50°-60°	3339.3	18.0
60°-70°	4238.4	22.9
70°-80°	3846.6	20.8
80°-90°	560.7	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°	18523.0	100.0
0°-180°	18523.0	100.0

**Coefficient of Utilization**

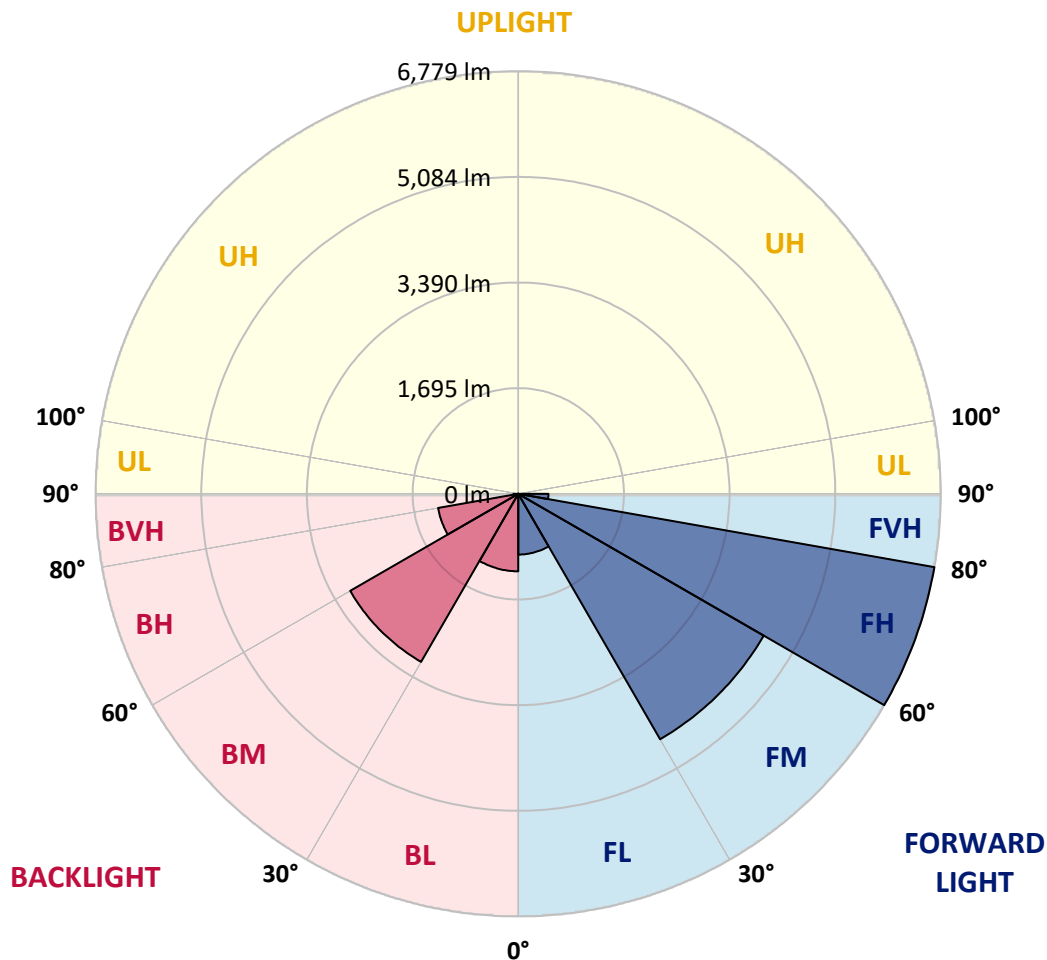


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	974.3	5.3			
FM (30°-60°)	4547.0	24.5			
FH (60°-80°)	6779.1	36.6			G3/7500
FVH (80°-90°)	483.5	2.6			G3/500
BL (0°-30°)	1243.1	6.7	B3/2500		
BM (30°-60°)	3112.9	16.8	B3/5000		
BH (60°-80°)	1305.8	7.0	B3/2500		G3/2500
BVH (80°-90°)	77.2	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-G3**  
 Type IV Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	2118.1	2118.1	2118.1	2118.1	2118.1	2118.1	2118.1	2118.1	2118.1	2118.1
2.5°	2085.7	2097.5	2094.6	2090.6	2090.6	2091.6	2090.6	2097.5	2104.4	2111.3
5°	2107.3	2119.1	2113.2	2108.3	2104.4	2103.4	2100.4	2099.5	2103.4	2112.2
7.5°	2149.6	2161.4	2152.5	2143.7	2135.8	2131.9	2128.0	2122.1	2119.1	2124.0
10°	2196.7	2208.5	2197.7	2182.0	2169.2	2164.3	2160.4	2154.5	2150.6	2153.5
12.5°	2243.9	2255.7	2240.9	2219.3	2202.6	2199.7	2194.8	2192.8	2191.8	2190.8
15°	2288.1	2297.9	2279.2	2253.7	2236.0	2231.1	2226.2	2229.1	2234.1	2240.0
17.5°	2322.5	2332.3	2304.8	2271.4	2254.7	2252.7	2249.8	2259.6	2273.4	2288.1
20°	2353.9	2363.7	2328.4	2283.2	2263.5	2263.5	2264.5	2285.1	2304.8	2326.4
22.5°	2398.1	2406.0	2362.8	2300.9	2272.4	2274.3	2282.2	2302.8	2327.4	2356.9
25°	2463.9	2469.8	2416.8	2334.3	2301.8	2307.7	2314.6	2324.4	2348.0	2382.4
27.5°	2570.0	2575.0	2505.2	2393.2	2344.1	2353.9	2363.7	2356.9	2367.7	2397.1
30°	2719.4	2722.3	2633.9	2485.6	2415.8	2420.7	2422.7	2394.2	2373.6	2397.1
32.5°	2896.2	2895.2	2790.1	2597.6	2497.3	2492.4	2475.7	2419.7	2371.6	2392.2
35°	3170.3	3159.5	3023.9	2754.7	2589.7	2559.2	2519.9	2448.2	2381.4	2387.3
37.5°	3624.2	3590.8	3403.2	3012.1	2727.2	2649.6	2591.7	2494.4	2403.0	2385.4
40°	4136.1	4093.8	3887.5	3364.8	2933.6	2808.8	2715.5	2560.2	2438.4	2394.2
42.5°	4743.2	4683.3	4461.2	3780.4	3194.9	3014.1	2873.6	2643.7	2490.5	2422.7
45°	5488.9	5409.3	5094.9	4249.0	3524.0	3283.3	3095.7	2770.5	2570.0	2477.7
47.5°	6242.4	6262.0	5815.0	4785.4	3918.9	3615.4	3373.7	2961.1	2686.0	2566.1
50°	7043.1	7056.8	6531.2	5379.8	4366.9	3990.7	3686.1	3174.2	2847.1	2691.9
52.5°	7667.9	7669.9	7181.6	6001.7	4833.6	4403.3	4023.1	3417.9	3033.8	2858.9
55°	8058.9	8054.0	7637.4	6590.2	5370.0	4836.5	4396.4	3694.9	3261.7	3055.4
57.5°	8342.8	8328.1	7951.8	7096.1	5941.8	5348.4	4818.8	4009.3	3530.9	3289.2
60°	8450.9	8442.1	8165.0	7533.3	6543.0	5914.3	5306.1	4361.0	3836.4	3565.3
62.5°	8492.2	8508.9	8374.3	7956.7	7186.5	6541.1	5841.6	4781.5	4180.3	3877.7
65°	8637.6	8668.0	8640.5	8510.8	7913.5	7274.9	6551.9	5281.6	4555.6	4212.7
67.5°	8925.4	8955.9	8967.7	9174.0	8801.6	8189.6	7438.0	5904.4	4994.7	4560.5
70°	8918.5	8909.7	9118.0	9701.5	9913.8	9455.9	8632.7	6670.7	5518.3	4849.3
72.5°	8117.9	8047.1	8539.3	9695.7	10839.2	10778.3	10091.6	7659.1	5970.3	4884.7
75°	6090.1	5901.5	6770.9	8737.8	10993.4	11528.9	11019.0	8272.1	5863.2	4315.8
77.5°	2604.4	2414.8	3439.5	6468.4	9839.1	10777.3	10168.2	7217.0	4680.3	2854.0
80°	681.8	680.8	1039.4	2932.6	6691.4	7958.7	6982.2	4660.7	2674.2	1019.8
82.5°	282.0	275.1	382.2	1140.6	3269.5	4466.1	3644.8	2078.8	965.7	276.1
85°	105.1	104.1	185.7	394.0	1153.4	1842.1	1333.2	531.5	240.7	134.6
87.5°	29.5	28.5	40.3	136.6	281.0	426.4	227.9	87.4	67.8	53.1
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°
2118.1	0°	2118.1	2118.1	2118.1	2118.1	2118.1	2118.1	2118.1	2118.1	2118.1	2118.1
2122.1	2.5°	2125.0	2129.9	2138.8	2145.6	2154.5	2164.3	2178.1	2186.9	2195.7	2201.6
2127.0	5°	2133.8	2144.7	2167.3	2189.8	2216.4	2240.9	2269.4	2290.1	2306.8	2311.7
2144.7	7.5°	2153.5	2171.2	2209.5	2247.8	2290.1	2330.3	2371.6	2407.0	2435.5	2446.3
2176.1	10°	2187.9	2211.5	2265.5	2319.5	2375.5	2437.4	2490.5	2541.6	2581.8	2598.5
2213.4	12.5°	2231.1	2260.6	2331.3	2406.0	2483.6	2569.1	2637.8	2700.7	2750.8	2773.4
2265.5	15°	2287.1	2325.4	2415.8	2516.0	2630.0	2748.9	2836.3	2906.0	2962.0	2989.5
2319.5	17.5°	2348.0	2399.1	2513.1	2664.4	2827.4	2983.7	3085.8	3136.9	3194.9	3221.4
2369.6	20°	2407.0	2469.8	2632.9	2853.0	3070.1	3236.1	3318.7	3332.4	3336.3	3339.3
2416.8	22.5°	2467.9	2552.4	2783.2	3090.7	3323.6	3438.5	3450.3	3391.4	3308.8	3270.5
2463.0	25°	2534.7	2646.7	2979.7	3353.1	3541.7	3555.4	3465.0	3321.6	3165.4	3093.7
2500.3	27.5°	2599.5	2755.7	3215.5	3603.6	3698.9	3578.0	3383.5	3180.1	2991.5	2915.9
2526.8	30°	2664.4	2880.5	3475.9	3822.7	3770.6	3522.0	3254.8	3027.9	2838.3	2758.7
2550.4	32.5°	2730.2	3025.9	3775.5	3980.8	3757.8	3403.2	3094.7	2856.9	2689.9	2606.4
2571.0	35°	2804.9	3204.7	4059.4	4067.3	3672.3	3228.3	2883.4	2652.6	2507.2	2440.4
2595.6	37.5°	2902.1	3431.6	4309.9	4088.9	3523.0	2971.9	2621.1	2410.9	2291.0	2260.6
2631.9	40°	3023.0	3704.8	4501.5	4054.5	3302.0	2660.4	2334.3	2166.3	2098.5	2105.4
2681.1	42.5°	3180.1	4010.3	4636.1	3966.1	2994.5	2339.2	2082.8	2008.1	2040.5	2068.0
2754.7	45°	3384.5	4327.6	4719.6	3815.8	2646.7	2067.0	1934.4	1952.1	1976.7	1979.6
2873.6	47.5°	3645.8	4648.9	4774.6	3588.8	2292.0	1875.5	1840.1	1844.0	1839.1	1818.5
3051.4	50°	3972.0	4961.3	4823.8	3288.2	1990.4	1755.6	1708.5	1694.7	1626.9	1560.1
3288.2	52.5°	4343.3	5248.2	4844.4	2914.9	1755.6	1655.4	1578.8	1492.3	1365.6	1345.0
3585.9	55°	4756.0	5513.4	4791.3	2456.1	1558.1	1526.7	1410.8	1306.6	1292.9	1275.2
3977.9	57.5°	5249.1	5799.3	4683.3	1944.2	1355.8	1376.4	1263.4	1275.2	1250.6	1223.1
4481.9	60°	5788.5	6095.0	4493.7	1477.6	1146.5	1188.7	1225.1	1224.1	1217.2	1194.6
5013.4	62.5°	6273.8	6289.5	4120.3	1131.8	962.8	1043.3	1142.6	1141.6	1135.7	1122.9
5568.4	65°	6562.7	6260.1	3497.5	891.1	811.5	923.5	1030.6	1038.4	1039.4	1038.4
5986.0	67.5°	6511.6	5915.2	2642.7	709.3	686.7	801.7	919.6	930.4	938.2	940.2
6039.0	70°	5933.9	5157.8	1723.2	565.9	575.7	694.6	814.4	825.2	832.1	840.0
5240.3	72.5°	4625.3	3792.2	986.4	457.8	478.4	602.2	710.3	723.1	727.0	741.7
3646.8	75°	2818.6	2230.1	532.5	360.6	393.0	514.8	607.1	621.9	628.8	646.4
1791.0	77.5°	1340.0	965.7	303.6	281.0	316.3	420.5	512.8	529.5	510.9	520.7
494.2	80°	452.9	358.6	191.6	214.2	241.7	328.1	410.7	427.4	388.1	386.1
164.1	82.5°	158.2	145.4	121.8	142.5	156.2	234.8	310.4	332.1	288.8	287.9
73.7	85°	61.9	58.9	67.8	77.6	93.3	144.4	204.3	215.2	177.8	143.4
21.6	87.5°	12.8	13.8	16.7	17.7	28.5	50.1	73.7	90.4	71.7	60.9
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°
2118.1
2197.7
2313.6
2447.2
2599.5
2773.4
2987.6
3220.4
3347.2
3281.3
3104.5
2924.7
2767.5
2617.2
2455.1
2282.2
2128.9
2093.6
1999.3
1834.2
1568.9
1351.8
1278.1
1218.2
1186.8
1118.0
1038.4
942.2
843.9
747.6
648.4
512.8
382.2
274.1
141.5
56.0
0.0

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