

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: P848208

Luminaire Tested: **GLAN-SB4C-930-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848208
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB4C-930-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 90 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20263 lumens
Efficiency: N/A
Efficacy: 101.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

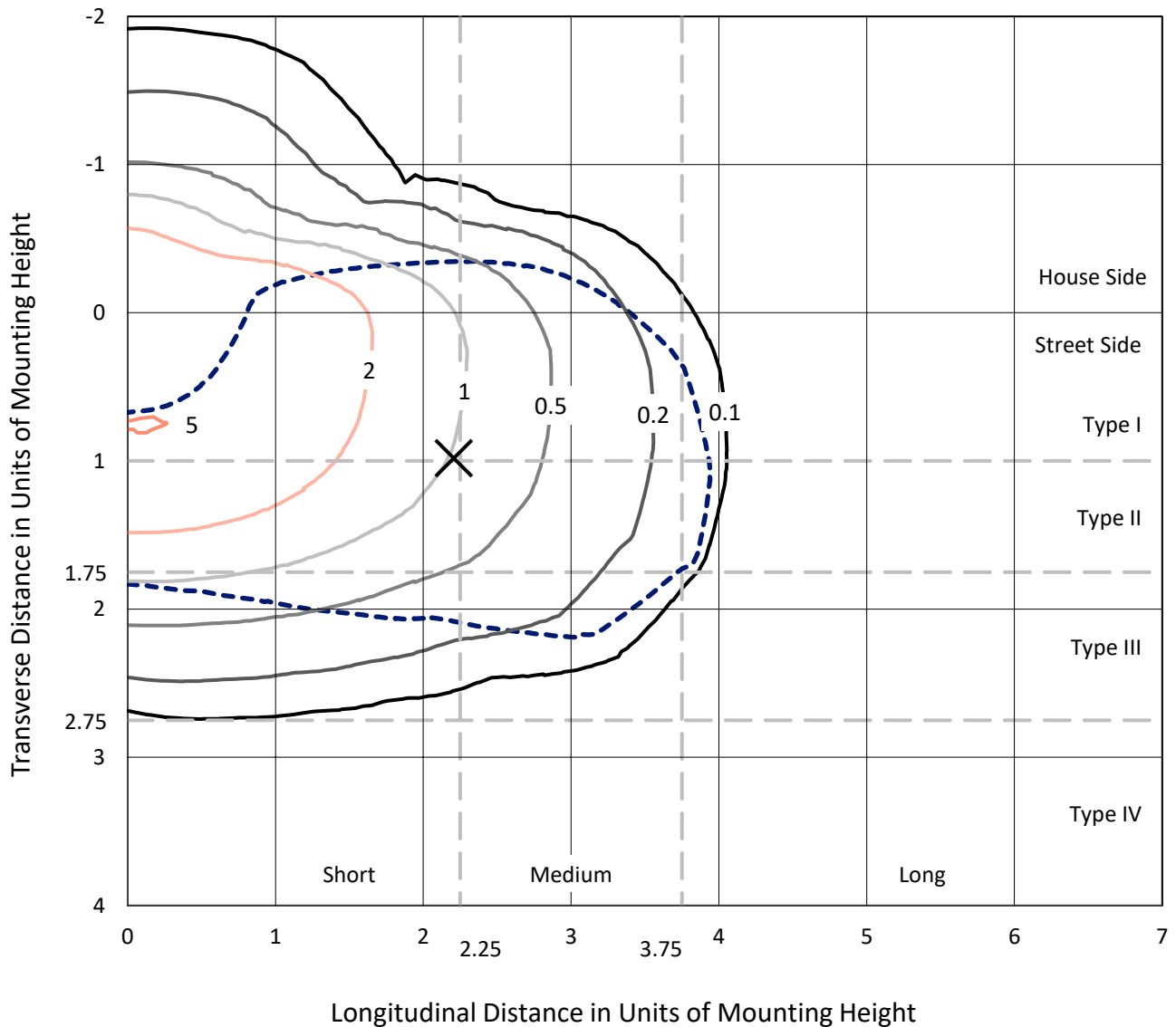
Input Watts (W): 200.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

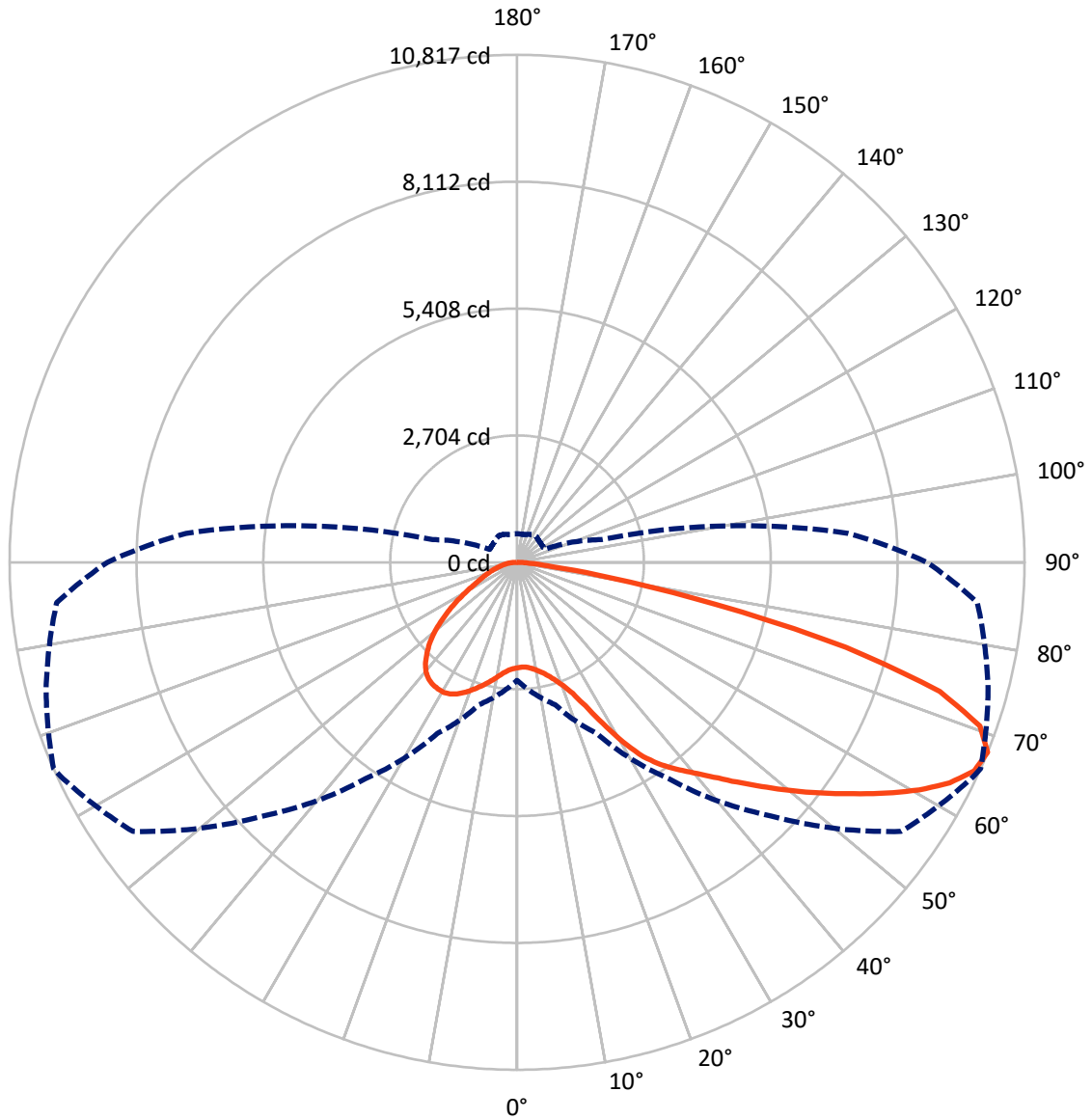
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.1 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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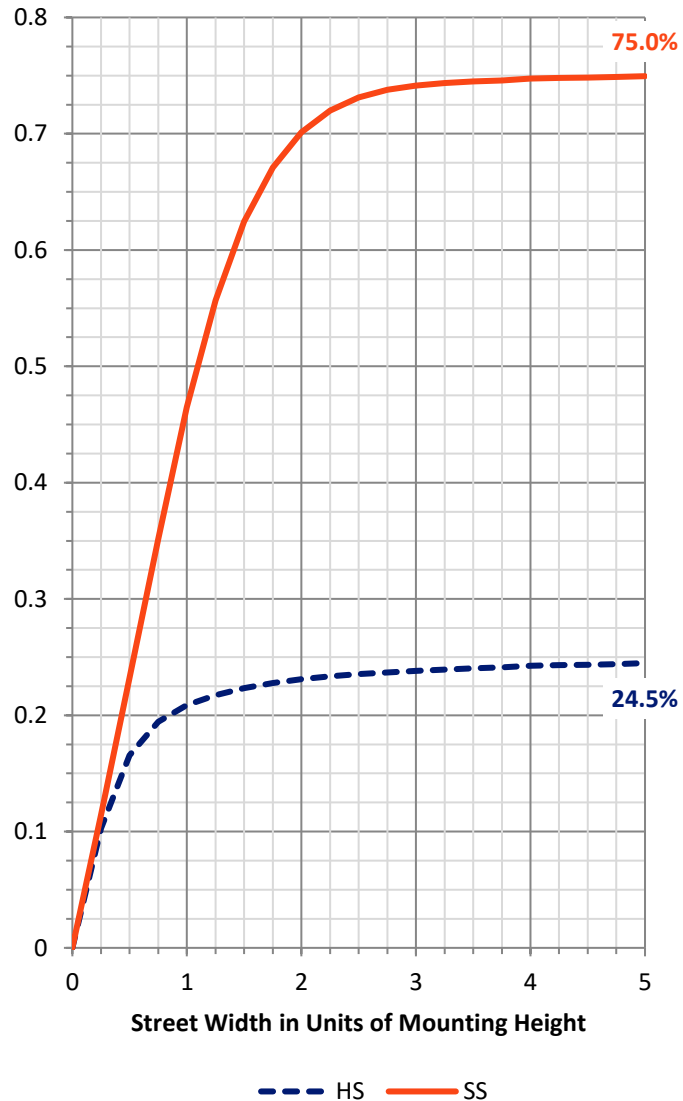
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5038.3	0.0	5038.3
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	15224.7	0.0	15224.7
	% Fixture	75.1	0.0	75.1
Total	Lumens	20263.0	0.0	20263.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	222.8	1.1
10°-20°	736.2	3.6
20°-30°	1418.9	7.0
30°-40°	2487.9	12.3
40°-50°	3698.8	18.3
50°-60°	4688.5	23.1
60°-70°	4587.6	22.6
70°-80°	2188.3	10.8
80°-90°	233.9	1.2
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°	20263.0	100.0
0°-180°	20263.0	100.0

Coefficient of Utilization



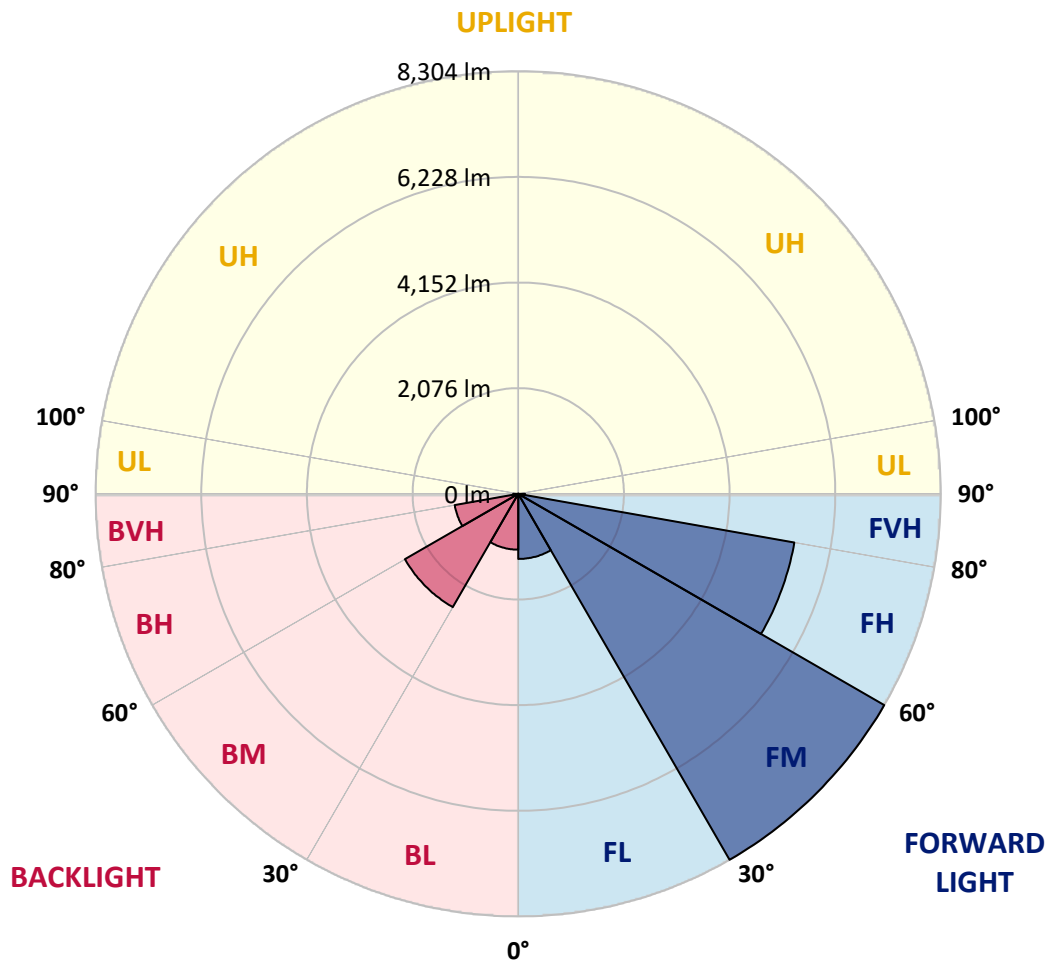
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1280.4	6.3			
FM (30°-60°)	8303.6	41.0			
FH (60°-80°)	5508.0	27.2			G3/7500
FVH (80°-90°)	132.6	0.7			G2/225
BL (0°-30°)	1097.5	5.4	B3/2500		
BM (30°-60°)	2571.6	12.7	B3/5000		
BH (60°-80°)	1267.9	6.3	B3/2500		G3/2500
BVH (80°-90°)	101.3	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	2247.4	2247.4	2247.4	2247.4	2247.4	2247.4	2247.4	2247.4	2247.4	2247.4
2.5°	2224.0	2236.8	2233.6	2228.3	2227.2	2229.3	2232.5	2235.7	2234.7	2240.0
5°	2217.6	2230.4	2229.3	2229.3	2233.6	2242.1	2247.4	2252.8	2247.4	2253.8
7.5°	2221.9	2231.5	2235.7	2240.0	2250.6	2266.6	2279.4	2291.1	2284.7	2292.1
10°	2276.2	2283.6	2287.9	2287.9	2295.3	2313.4	2326.2	2347.5	2342.2	2353.9
12.5°	2375.2	2382.6	2382.6	2378.4	2383.7	2395.4	2399.7	2423.1	2413.5	2432.7
15°	2496.6	2511.5	2499.8	2492.3	2494.4	2506.1	2505.1	2523.2	2513.6	2529.6
17.5°	2630.7	2649.9	2630.7	2629.6	2625.4	2638.2	2639.2	2655.2	2638.2	2649.9
20°	2789.3	2815.9	2800.0	2805.3	2795.7	2801.0	2806.4	2829.8	2803.2	2811.7
22.5°	3012.9	3044.8	3027.8	3048.0	3041.6	3037.4	3036.3	3077.8	3036.3	3039.5
25°	3338.7	3377.0	3347.2	3374.9	3374.9	3388.7	3404.7	3457.9	3388.7	3368.5
27.5°	3819.9	3858.2	3799.7	3816.7	3811.4	3845.4	3828.4	3960.4	3885.9	3852.9
30°	4399.1	4467.2	4356.5	4352.2	4346.9	4401.2	4425.7	4513.0	4437.4	4404.4
32.5°	5025.1	5096.4	4964.4	4926.0	4905.8	4938.8	4918.6	4988.9	4936.7	4885.6
35°	5687.3	5757.5	5631.9	5557.4	5476.5	5407.3	5334.9	5353.0	5304.0	5226.3
37.5°	6313.3	6442.1	6309.0	6229.2	6080.1	5944.9	5742.6	5658.5	5612.7	5541.4
40°	6951.0	7024.4	6923.3	6855.2	6693.3	6481.5	6157.8	5980.0	5918.3	5849.1
42.5°	7420.5	7490.7	7436.4	7389.6	7262.9	7017.0	6598.6	6376.1	6286.6	6208.9
45°	7793.1	7845.3	7811.2	7828.2	7773.9	7535.5	7055.3	6800.9	6708.2	6613.5
47.5°	7943.2	7998.6	8052.9	8154.0	8246.6	8071.0	7546.1	7260.8	7162.8	7066.0
50°	7926.2	7982.6	8140.2	8355.2	8642.7	8584.1	8063.5	7750.5	7660.0	7549.3
52.5°	7789.9	7853.8	8056.1	8413.8	8871.6	8968.4	8590.5	8256.2	8171.0	8039.0
55°	7432.2	7470.5	7773.9	8280.7	8925.9	9236.7	9106.8	8794.9	8709.7	8525.6
57.5°	6768.9	6824.3	7266.1	7921.9	8789.6	9418.8	9560.4	9361.3	9279.3	9014.2
60°	5903.4	5991.7	6497.4	7319.3	8442.5	9417.7	9972.4	9918.1	9850.0	9495.4
62.5°	4923.9	5026.1	5512.7	6467.6	7835.7	9150.5	10230.0	10384.4	10349.3	9939.4
65°	3781.6	3851.8	4336.2	5365.7	6891.4	8576.7	10259.8	10702.7	10709.1	10276.9
67.5°	2517.9	2720.1	3140.7	4026.4	5626.6	7638.7	9997.9	10754.9	10816.6	10392.9
70°	1228.6	1494.7	1906.8	2616.9	4026.4	6200.4	9313.4	10326.9	10464.3	10054.4
72.5°	510.0	596.2	820.8	1291.4	2311.3	4184.0	7937.9	9166.5	9420.9	8908.8
75°	343.9	372.6	469.5	662.2	1052.9	2063.3	5724.5	6834.9	7244.8	6728.5
77.5°	265.1	283.2	341.7	463.1	626.0	780.4	3064.0	4119.1	4330.9	4009.4
80°	208.7	222.5	255.5	337.5	444.0	417.3	1044.4	1866.3	1988.7	1668.3
82.5°	181.0	186.3	183.1	228.9	294.9	243.8	342.8	688.8	760.1	551.5
85°	130.9	145.9	152.2	141.6	156.5	123.5	140.5	243.8	268.3	239.5
87.5°	53.2	78.8	96.9	91.6	57.5	35.1	43.6	71.3	82.0	89.4
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°
2247.4	0°	2247.4	2247.4	2247.4	2247.4	2247.4	2247.4	2247.4	2247.4	2247.4	2247.4
2248.5	2.5°	2249.6	2257.0	2262.3	2268.7	2273.0	2279.4	2292.1	2299.6	2300.7	2306.0
2265.5	5°	2269.8	2280.4	2292.1	2309.2	2328.3	2344.3	2368.8	2385.8	2392.2	2397.5
2307.1	7.5°	2313.4	2328.3	2349.6	2379.4	2407.1	2428.4	2458.2	2478.5	2498.7	2506.1
2373.1	10°	2378.4	2399.7	2430.6	2471.0	2500.8	2528.5	2559.4	2576.4	2596.6	2605.2
2451.8	12.5°	2459.3	2481.7	2522.1	2578.5	2606.2	2625.4	2636.0	2631.8	2636.0	2643.5
2546.6	15°	2551.9	2576.4	2622.2	2682.9	2702.0	2685.0	2661.6	2640.3	2637.1	2639.2
2661.6	17.5°	2661.6	2679.7	2732.9	2784.0	2770.2	2699.9	2648.8	2614.7	2597.7	2592.4
2808.5	20°	2814.9	2814.9	2858.5	2890.5	2797.8	2678.6	2598.8	2543.4	2508.3	2493.4
3008.6	22.5°	3001.2	2984.2	3011.8	2989.5	2792.5	2619.0	2508.3	2412.5	2359.2	2337.9
3288.6	25°	3237.5	3217.3	3209.9	3071.5	2754.2	2524.2	2344.3	2228.3	2181.4	2169.7
3692.1	27.5°	3594.2	3543.1	3446.2	3116.2	2683.9	2375.2	2152.7	2045.2	2018.5	2019.6
4210.6	30°	4069.0	3966.8	3729.4	3123.6	2569.0	2164.4	1956.8	1880.1	1867.4	1872.7
4646.0	32.5°	4508.7	4411.8	4019.0	3089.6	2392.2	1957.9	1781.1	1730.0	1710.9	1717.2
4978.2	35°	4853.6	4827.0	4287.3	3041.6	2175.0	1764.1	1623.6	1579.9	1542.6	1534.1
5291.2	37.5°	5179.4	5168.8	4488.5	2974.6	1960.0	1626.8	1496.9	1439.4	1385.1	1355.3
5637.2	40°	5537.1	5526.5	4620.5	2871.3	1769.4	1507.5	1383.0	1307.4	1240.3	1186.0
6029.0	42.5°	5939.6	5876.8	4683.3	2723.3	1607.6	1406.4	1290.3	1188.1	1099.8	1049.7
6471.9	45°	6379.3	6237.7	4682.2	2534.9	1471.3	1313.8	1191.3	1046.5	964.6	917.7
6926.5	47.5°	6845.6	6582.6	4624.8	2326.2	1339.3	1211.5	1038.0	927.3	873.0	844.3
7420.5	50°	7326.8	6905.2	4526.8	2086.7	1204.1	1095.5	942.2	866.6	825.1	798.5
7910.2	52.5°	7779.3	7198.0	4408.6	1815.2	1066.8	982.7	899.6	841.1	797.4	767.6
8385.0	55°	8199.8	7450.3	4241.5	1537.3	955.0	907.1	879.4	830.4	780.4	745.2
8867.3	57.5°	8573.5	7614.2	3953.0	1276.5	875.1	854.9	858.1	812.3	754.8	725.0
9342.1	60°	8884.3	7734.5	3526.1	1034.8	810.2	803.8	825.1	778.2	711.2	677.1
9743.5	62.5°	9070.6	7732.4	3002.3	847.4	754.8	757.0	781.4	735.7	667.5	635.6
9953.2	65°	9054.7	7542.9	2427.4	725.0	701.6	703.7	735.7	688.8	631.3	612.2
9847.8	67.5°	8734.2	7080.9	1862.0	645.2	643.0	652.6	689.9	656.9	609.0	606.8
9219.7	70°	7866.6	6121.6	1341.4	581.3	582.4	596.2	645.2	636.6	597.3	601.5
7751.6	72.5°	6307.9	4667.3	900.7	514.2	515.3	537.6	602.6	620.7	585.5	642.0
5499.9	75°	4201.0	2910.7	579.2	442.9	444.0	472.7	565.3	589.8	553.6	639.8
2861.7	77.5°	2018.5	1308.4	419.5	372.6	372.6	399.2	488.7	528.1	471.6	497.2
919.8	80°	697.3	491.9	330.0	300.2	293.8	311.9	412.0	457.8	406.7	374.7
300.2	82.5°	274.7	255.5	265.1	233.2	211.9	223.6	320.5	377.9	299.2	270.4
169.3	85°	157.6	166.1	187.4	154.4	122.4	137.3	235.3	271.5	225.7	199.1
55.4	87.5°	42.6	58.6	86.2	79.8	55.4	58.6	111.8	150.1	129.9	100.1
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°
2247.4
2304.9
2396.5
2507.2
2609.4
2645.6
2646.7
2599.8
2490.2
2334.7
2171.8
2022.8
1890.8
1725.8
1540.5
1356.3
1191.3
1052.9
915.6
837.9
788.9
754.8
731.4
705.8
662.2
626.0
611.1
610.0
600.5
650.5
645.2
455.7
351.3
269.4
203.3
103.3
0.0

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