

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: P848428

Luminaire Tested: **GLAN-SB5A-727-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848428
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-SB5A-727-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20165 lumens
Efficiency: N/A
Efficacy: 142.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

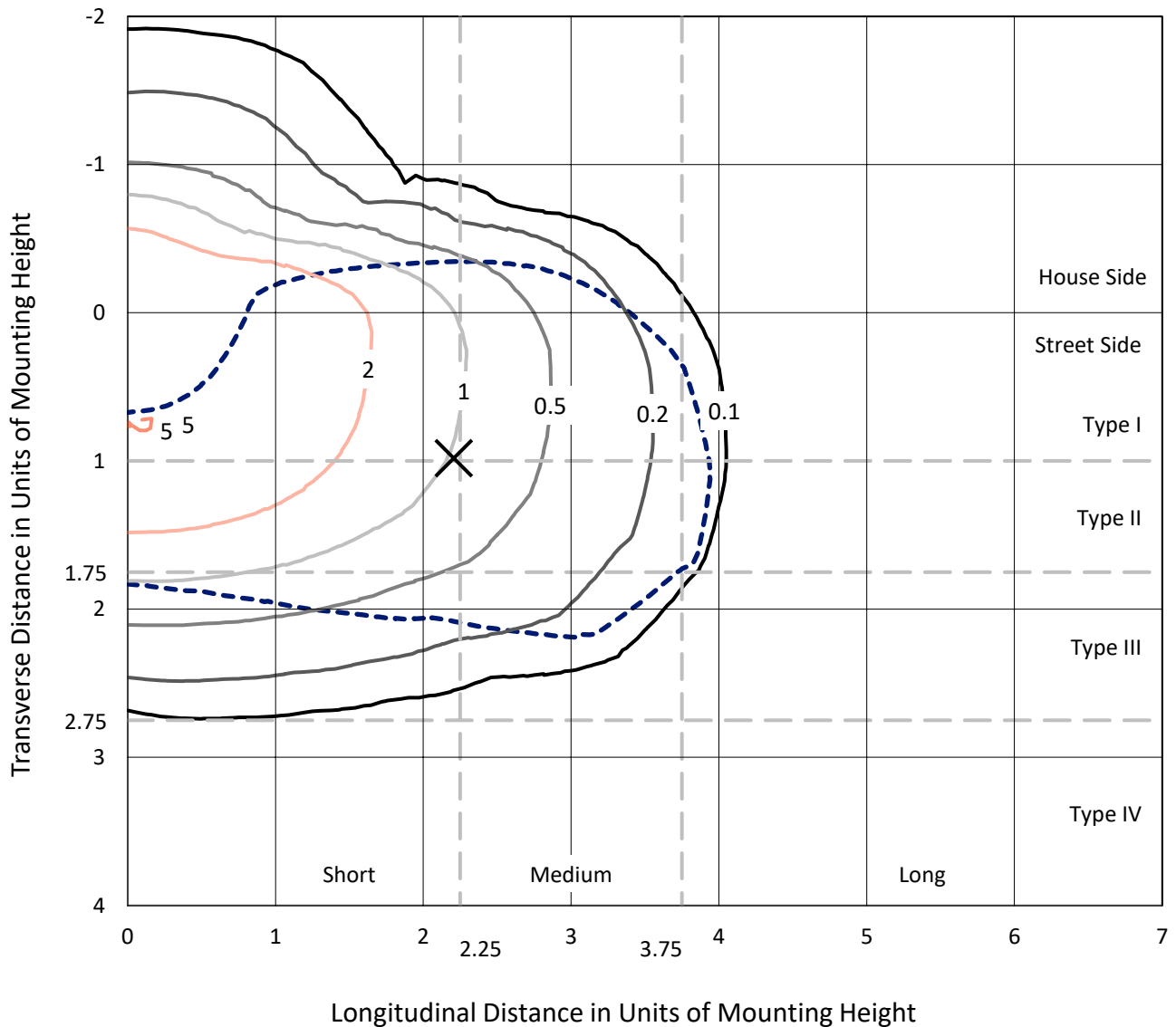
Input Watts (W): 141.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

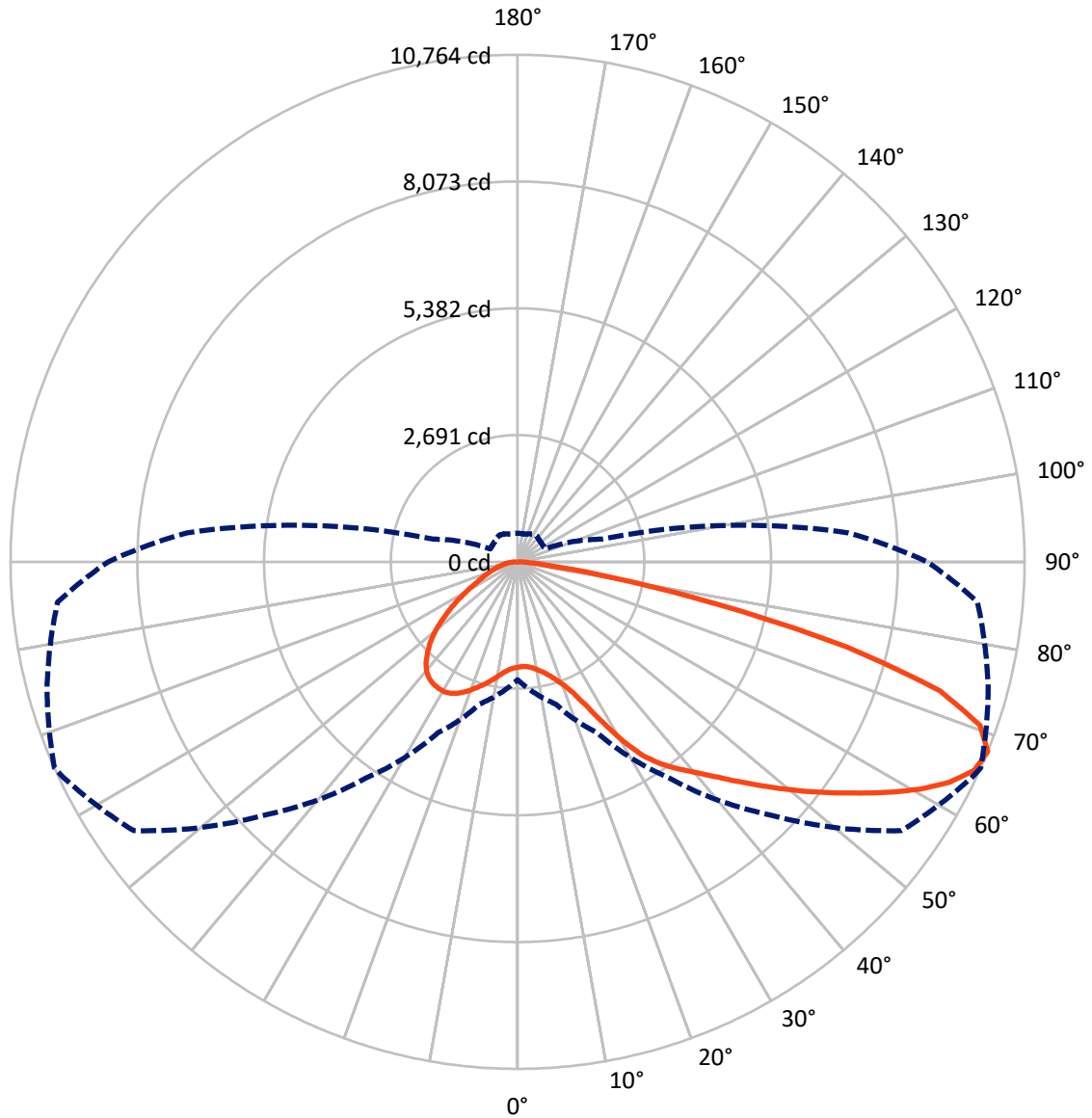
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 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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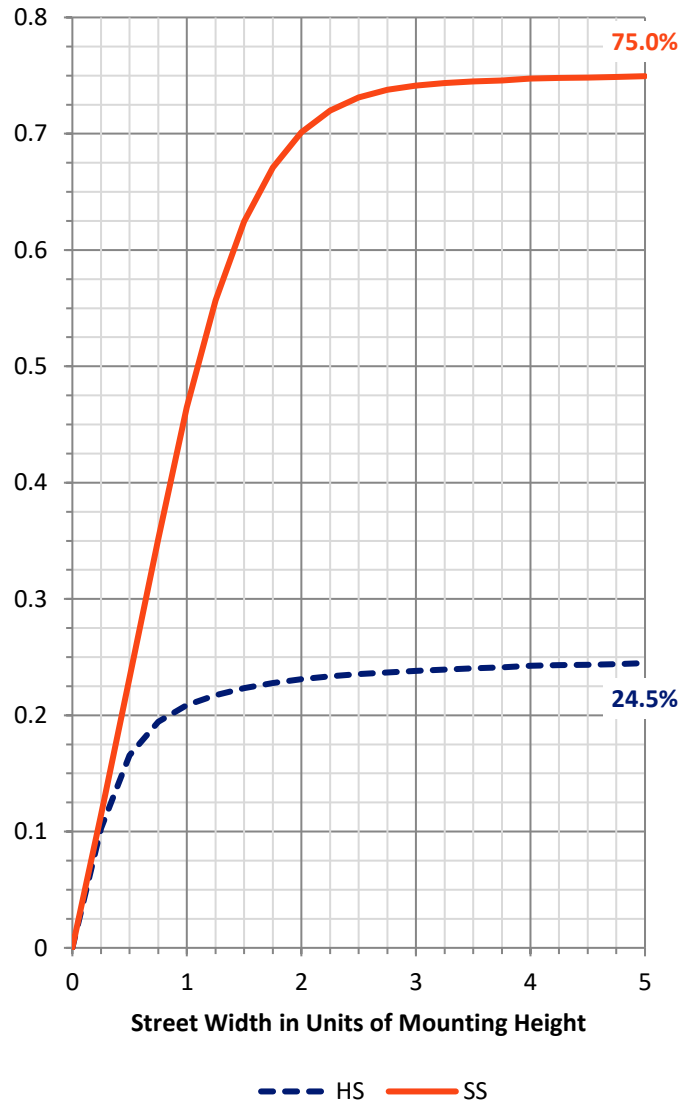
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5014.0	0.0	5014.0
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	15151.0	0.0	15151.0
	% Fixture	75.1	0.0	75.1
Total	Lumens	20165.0	0.0	20165.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	221.7	1.1
10°-20°	732.6	3.6
20°-30°	1412.1	7.0
30°-40°	2475.9	12.3
40°-50°	3680.9	18.3
50°-60°	4665.9	23.1
60°-70°	4565.4	22.6
70°-80°	2177.7	10.8
80°-90°	232.7	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°	20165.0	100.0
0°-180°	20165.0	100.0

Coefficient of Utilization



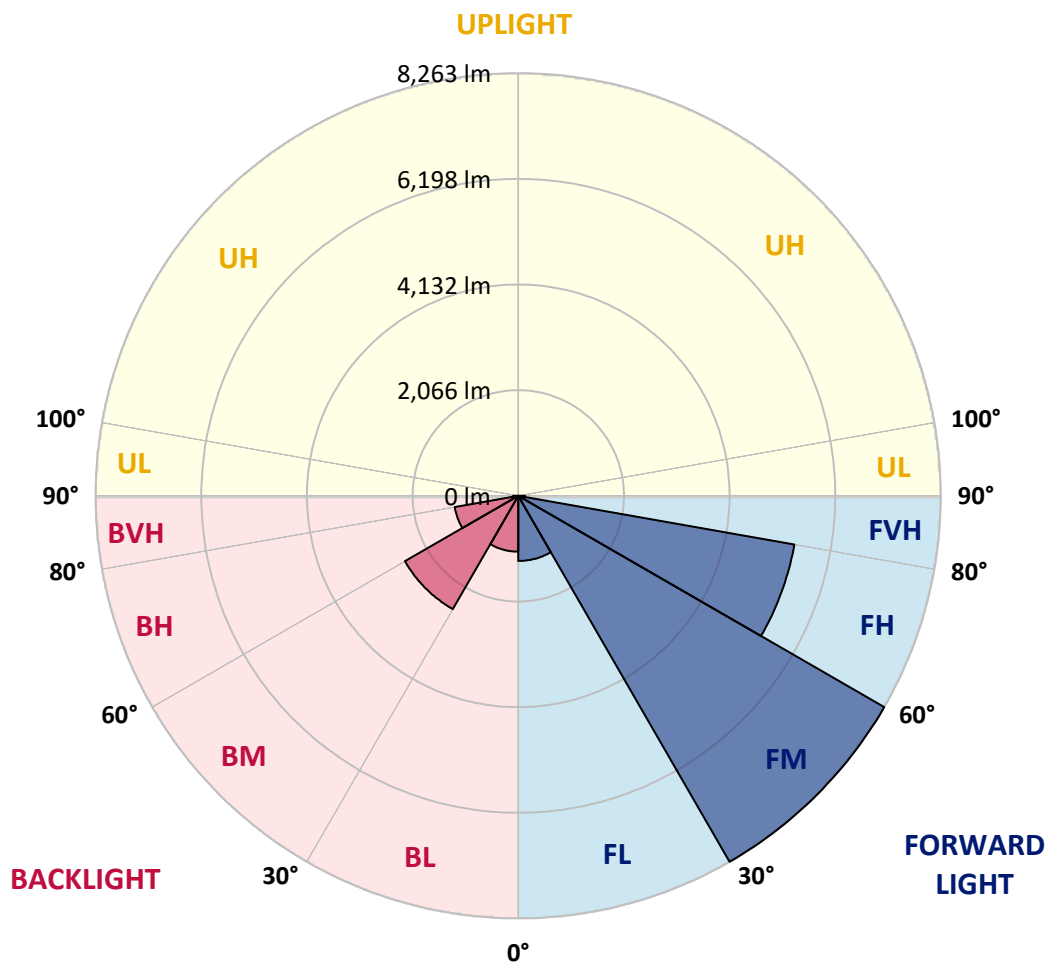
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1274.2	6.3			
FM (30°-60°)	8263.4	41.0			
FH (60°-80°)	5481.4	27.2			G3/7500
FVH (80°-90°)	132.0	0.7			G2/225
BL (0°-30°)	1092.2	5.4	B3/2500		
BM (30°-60°)	2559.2	12.7	B3/5000		
BH (60°-80°)	1261.8	6.3	B3/2500		G3/2500
BVH (80°-90°)	100.8	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°	2236.6	2236.6	2236.6	2236.6	2236.6	2236.6	2236.6	2236.6	2236.6	2236.6
2.5°	2213.3	2226.0	2222.8	2217.5	2216.4	2218.6	2221.7	2224.9	2223.9	2229.1
5°	2206.9	2219.6	2218.6	2218.6	2222.8	2231.3	2236.6	2241.9	2236.6	2242.9
7.5°	2211.1	2220.7	2224.9	2229.1	2239.7	2255.6	2268.3	2280.0	2273.6	2281.1
10°	2265.2	2272.6	2276.8	2276.8	2284.2	2302.3	2315.0	2336.2	2330.9	2342.5
12.5°	2363.7	2371.1	2371.1	2366.9	2372.2	2383.8	2388.1	2411.4	2401.8	2420.9
15°	2484.5	2499.3	2487.7	2480.2	2482.4	2494.0	2493.0	2511.0	2501.4	2517.3
17.5°	2618.0	2637.0	2618.0	2616.9	2612.7	2625.4	2626.5	2642.3	2625.4	2637.0
20°	2775.8	2802.3	2786.4	2791.7	2782.2	2787.5	2792.8	2816.1	2789.6	2798.1
22.5°	2998.3	3030.1	3013.2	3033.3	3026.9	3022.7	3021.6	3063.0	3021.6	3024.8
25°	3322.5	3360.7	3331.0	3358.6	3358.6	3372.3	3388.2	3441.2	3372.3	3352.2
27.5°	3801.4	3839.6	3781.3	3798.2	3792.9	3826.8	3809.9	3941.3	3867.1	3834.3
30°	4377.8	4445.6	4335.4	4331.2	4325.9	4379.9	4404.3	4491.1	4415.9	4383.1
32.5°	5000.8	5071.7	4940.4	4902.2	4882.1	4914.9	4894.8	4964.7	4912.8	4862.0
35°	5659.7	5729.7	5604.7	5530.5	5450.0	5381.1	5309.1	5327.1	5278.3	5201.0
37.5°	6282.7	6410.9	6278.5	6199.0	6050.7	5916.1	5714.8	5631.1	5585.6	5514.6
40°	6917.4	6990.5	6889.8	6822.0	6661.0	6450.1	6128.0	5951.1	5889.7	5820.8
42.5°	7384.6	7454.5	7400.5	7353.9	7227.8	6983.0	6566.7	6345.2	6256.2	6178.9
45°	7755.4	7807.3	7773.4	7790.4	7736.3	7499.0	7021.2	6768.0	6675.8	6581.5
47.5°	7904.8	7959.9	8013.9	8114.6	8206.7	8031.9	7509.6	7225.7	7128.2	7031.8
50°	7887.8	7944.0	8100.8	8314.8	8600.9	8542.6	8024.5	7713.0	7623.0	7512.8
52.5°	7752.2	7815.8	8017.1	8373.1	8828.7	8925.1	8549.0	8216.3	8131.5	8000.1
55°	7396.2	7434.4	7736.3	8240.6	8882.7	9192.1	9062.8	8752.4	8667.6	8484.3
57.5°	6736.2	6791.3	7231.0	7883.6	8747.1	9373.2	9514.1	9316.0	9234.4	8970.6
60°	5874.8	5962.8	6466.0	7283.9	8401.7	9372.2	9924.2	9870.1	9802.3	9449.5
62.5°	4900.1	5001.8	5486.0	6436.3	7797.8	9106.2	10180.6	10334.2	10299.2	9891.3
65°	3763.3	3833.2	4315.3	5339.8	6858.0	8535.2	10210.2	10651.0	10657.3	10227.2
67.5°	2505.7	2707.0	3125.5	4007.0	5599.4	7601.8	9949.6	10702.9	10764.3	10342.7
70°	1222.6	1487.5	1897.5	2604.2	4007.0	6170.4	9268.3	10277.0	10413.6	10005.7
72.5°	507.5	593.3	816.9	1285.2	2300.1	4163.8	7899.5	9122.1	9375.3	8865.7
75°	342.2	370.8	467.2	659.0	1047.8	2053.3	5696.8	6801.9	7209.8	6695.9
77.5°	263.8	281.8	340.1	460.9	623.0	776.6	3049.2	4099.1	4310.0	3990.0
80°	207.7	221.4	254.3	335.9	441.8	415.3	1039.4	1857.3	1979.1	1660.2
82.5°	180.1	185.4	182.2	227.8	293.5	242.6	341.2	685.5	756.5	548.8
85°	130.3	145.1	151.5	140.9	155.7	122.9	139.9	242.6	267.0	238.4
87.5°	53.0	78.4	96.4	91.1	57.2	35.0	43.4	71.0	81.6	89.0
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°
2236.6	0°	2236.6	2236.6	2236.6	2236.6	2236.6	2236.6	2236.6	2236.6	2236.6	2236.6
2237.6	2.5°	2238.7	2246.1	2251.4	2257.8	2262.0	2268.3	2281.1	2288.5	2289.5	2294.8
2254.6	5°	2258.8	2269.4	2281.1	2298.0	2317.1	2333.0	2357.3	2374.3	2380.7	2386.0
2295.9	7.5°	2302.3	2317.1	2338.3	2367.9	2395.5	2416.7	2446.3	2466.5	2486.6	2494.0
2361.6	10°	2366.9	2388.1	2418.8	2459.1	2488.7	2516.3	2547.0	2563.9	2584.1	2592.6
2440.0	12.5°	2447.4	2469.7	2509.9	2566.1	2593.6	2612.7	2623.3	2619.0	2623.3	2630.7
2534.3	15°	2539.6	2563.9	2609.5	2669.9	2689.0	2672.0	2648.7	2627.5	2624.3	2626.5
2648.7	17.5°	2648.7	2666.7	2719.7	2770.5	2756.8	2686.8	2636.0	2602.1	2585.1	2579.8
2794.9	20°	2801.3	2801.3	2844.7	2876.5	2784.3	2665.7	2586.2	2531.1	2496.1	2481.3
2994.1	22.5°	2986.7	2969.7	2997.3	2975.0	2779.0	2606.3	2496.1	2400.8	2347.8	2326.6
3272.7	25°	3221.9	3201.8	3194.3	3056.6	2740.9	2512.0	2333.0	2217.5	2170.9	2159.2
3674.3	27.5°	3576.8	3526.0	3429.5	3101.1	2671.0	2363.7	2142.3	2035.3	2008.8	2009.8
4190.2	30°	4049.3	3947.6	3711.4	3108.5	2556.5	2153.9	1947.3	1871.0	1858.3	1863.6
4623.6	32.5°	4486.9	4390.5	3999.5	3074.6	2380.7	1948.4	1772.5	1721.7	1702.6	1708.9
4954.1	35°	4830.2	4803.7	4266.5	3026.9	2164.5	1755.6	1615.7	1572.3	1535.2	1526.7
5265.6	37.5°	5154.4	5143.8	4466.8	2960.2	1950.5	1618.9	1489.6	1432.4	1378.4	1348.7
5610.0	40°	5510.4	5499.8	4598.1	2857.4	1760.9	1500.2	1376.3	1301.0	1234.3	1180.3
5999.8	42.5°	5910.8	5848.3	4660.7	2710.2	1599.8	1399.6	1284.1	1182.4	1094.4	1044.6
6440.6	45°	6348.4	6207.5	4659.6	2522.6	1464.2	1307.4	1185.6	1041.5	959.9	913.3
6893.0	47.5°	6812.5	6550.8	4602.4	2315.0	1332.8	1205.7	1033.0	922.8	868.8	840.2
7384.6	50°	7291.4	6871.8	4504.9	2076.6	1198.3	1090.2	937.6	862.4	821.1	794.6
7871.9	52.5°	7741.6	7163.2	4387.3	1806.4	1061.6	977.9	895.3	837.0	793.6	763.9
8344.5	55°	8160.1	7414.3	4221.0	1529.9	950.4	902.7	875.1	826.4	776.6	741.6
8824.4	57.5°	8532.0	7577.4	3933.9	1270.3	870.9	850.8	853.9	808.4	751.2	721.5
9296.9	60°	8841.4	7697.1	3509.0	1029.8	806.3	799.9	821.1	774.5	707.7	673.8
9696.4	62.5°	9026.8	7695.0	2987.7	843.3	751.2	753.3	777.7	732.1	664.3	632.5
9905.1	65°	9010.9	7506.4	2415.6	721.5	698.2	700.3	732.1	685.5	628.3	609.2
9800.2	67.5°	8692.0	7046.6	1853.0	642.0	639.9	649.5	686.5	653.7	606.0	603.9
9175.1	70°	7828.5	6092.0	1334.9	578.5	579.5	593.3	642.0	633.6	594.4	598.6
7714.1	72.5°	6277.4	4644.8	896.3	511.7	512.8	535.0	599.7	617.7	582.7	638.9
5473.3	75°	4180.7	2896.6	576.4	440.7	441.8	470.4	562.6	587.0	550.9	636.7
2847.9	77.5°	2008.8	1302.1	417.4	370.8	370.8	397.3	486.3	525.5	469.4	494.8
915.4	80°	694.0	489.5	328.4	298.8	292.4	310.4	410.0	455.6	404.7	372.9
298.8	82.5°	273.3	254.3	263.8	232.0	210.8	222.5	318.9	376.1	297.7	269.1
168.5	85°	156.8	165.3	186.5	153.6	121.8	136.7	234.1	270.2	224.6	198.1
55.1	87.5°	42.4	58.3	85.8	79.5	55.1	58.3	111.2	149.4	129.3	99.6
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°
2236.6
2293.8
2384.9
2495.1
2596.8
2632.8
2633.9
2587.3
2478.1
2323.4
2161.3
2013.0
1881.6
1717.4
1533.1
1349.8
1185.6
1047.8
911.2
833.8
785.1
751.2
727.9
702.4
659.0
623.0
608.1
607.1
597.5
647.3
642.0
453.5
349.6
268.0
202.4
102.8
0.0

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