

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: P847468

Luminaire Tested: **GLAN-SB3C-827-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847468
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-SB3C-827-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 80 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17928 lumens
Efficiency: N/A
Efficacy: 120.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

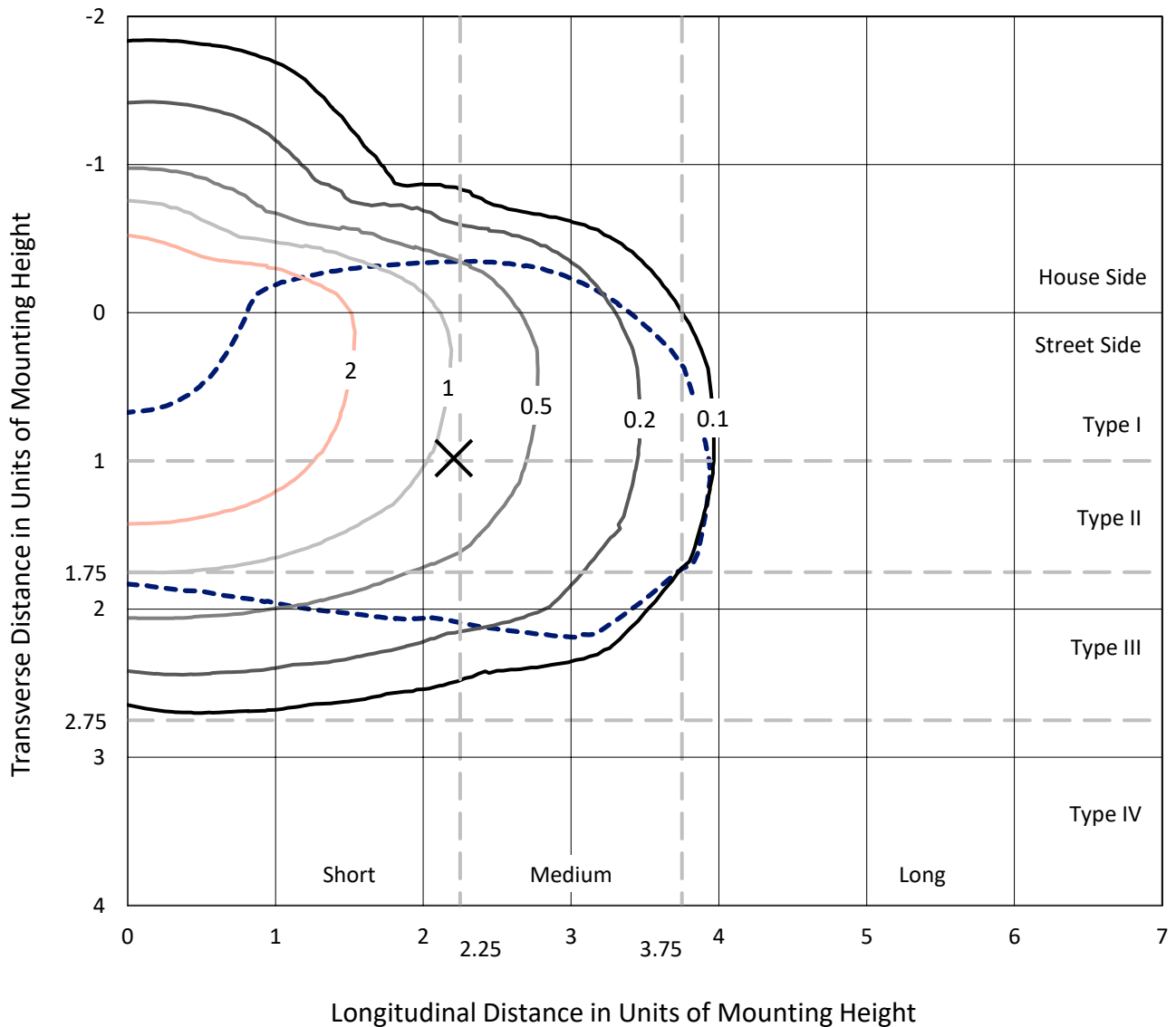
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

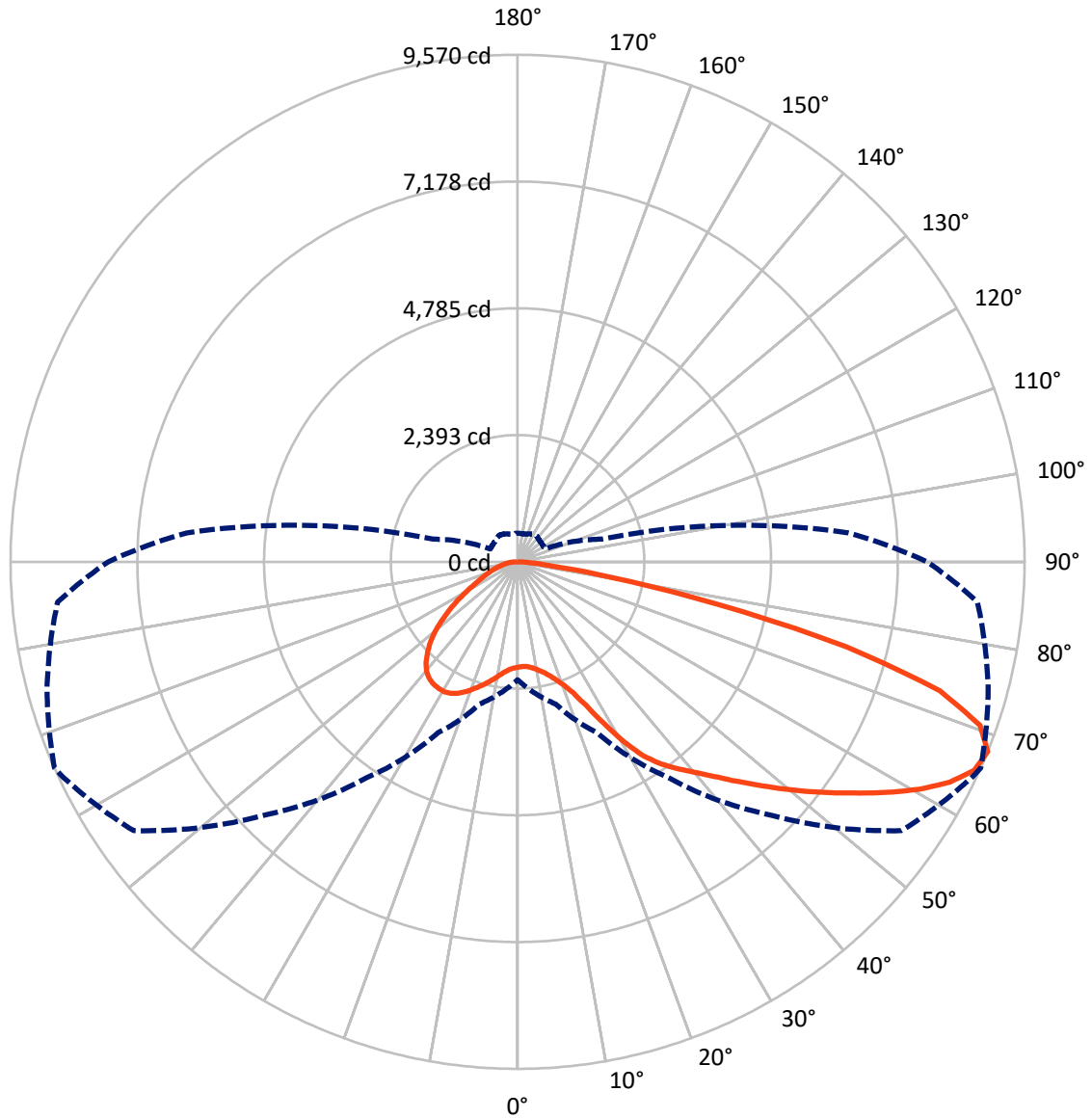
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.5 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	4457.7	0.0	4457.7
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	13470.3	0.0	13470.3
	% Fixture	75.1	0.0	75.1
Total	Lumens	17928.0	0.0	17928.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	197.1	1.1
10°-20°	651.3	3.6
20°-30°	1255.4	7.0
30°-40°	2201.2	12.3
40°-50°	3272.5	18.3
50°-60°	4148.2	23.1
60°-70°	4059.0	22.6
70°-80°	1936.2	10.8
80°-90°	206.9	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°	17928.0	100.0
0°-180°	17928.0	100.0

Coefficient of Utilization



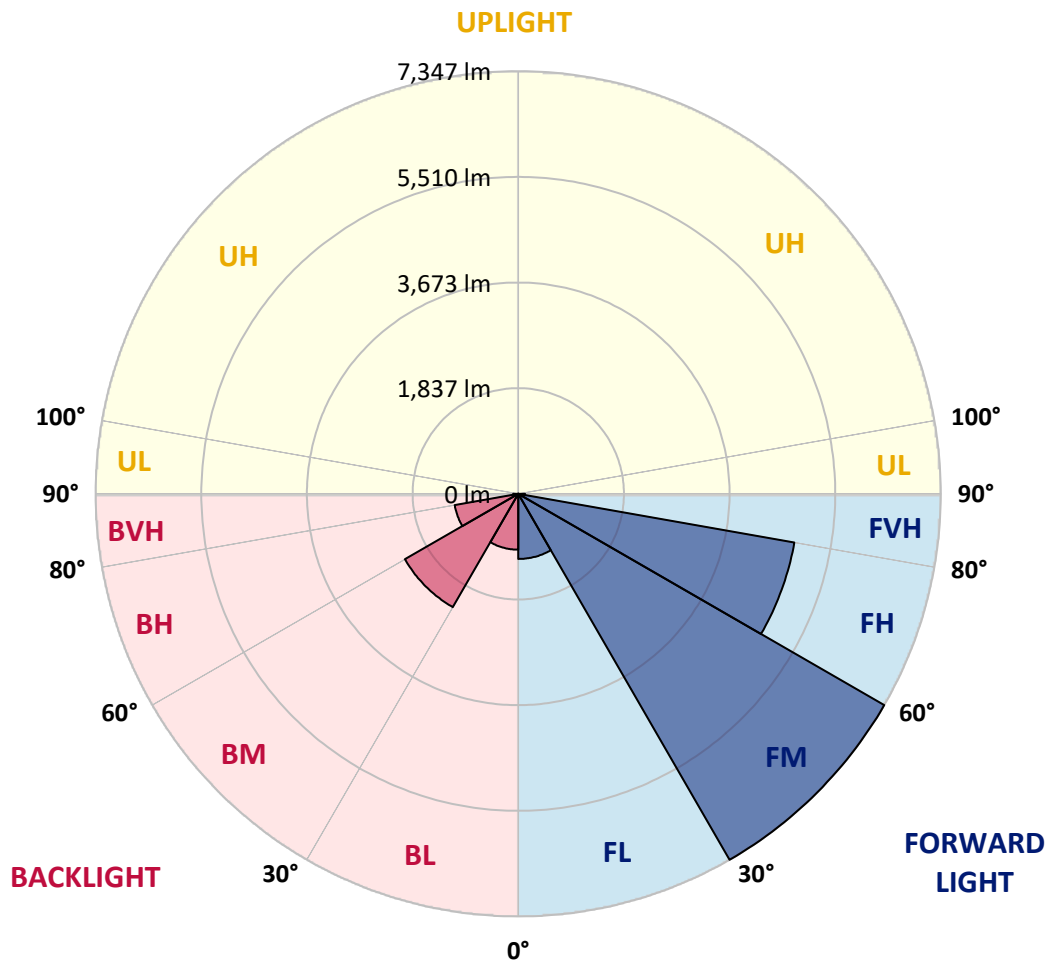
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1132.9	6.3			
FM (30°-60°)	7346.7	41.0			
FH (60°-80°)	4873.3	27.2			G2/5000
FVH (80°-90°)	117.3	0.7			G2/225
BL (0°-30°)	971.1	5.4	B2/1000		
BM (30°-60°)	2275.3	12.7	B2/2500		
BH (60°-80°)	1121.8	6.3	B3/2500		G3/2500
BVH (80°-90°)	89.6	0.5			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 III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	1988.5	1988.5	1988.5	1988.5	1988.5	1988.5	1988.5	1988.5	1988.5	1988.5
2.5°	1967.7	1979.0	1976.2	1971.5	1970.6	1972.4	1975.3	1978.1	1977.1	1981.9
5°	1962.1	1973.4	1972.4	1972.4	1976.2	1983.7	1988.5	1993.2	1988.5	1994.1
7.5°	1965.8	1974.3	1978.1	1981.9	1991.3	2005.4	2016.7	2027.1	2021.4	2028.0
10°	2013.9	2020.5	2024.2	2024.2	2030.8	2046.9	2058.2	2077.0	2072.3	2082.6
12.5°	2101.5	2108.1	2108.1	2104.3	2109.0	2119.4	2123.2	2143.9	2135.4	2152.4
15°	2208.9	2222.1	2211.7	2205.1	2207.0	2217.3	2216.4	2232.4	2223.9	2238.1
17.5°	2327.6	2344.5	2327.6	2326.6	2322.8	2334.1	2335.1	2349.2	2334.1	2344.5
20°	2467.9	2491.5	2477.3	2482.0	2473.6	2478.3	2483.0	2503.7	2480.1	2487.7
22.5°	2665.7	2694.0	2678.9	2696.8	2691.1	2687.4	2686.4	2723.2	2686.4	2689.3
25°	2953.9	2987.9	2961.5	2986.0	2986.0	2998.2	3012.3	3059.4	2998.2	2980.3
27.5°	3379.7	3413.6	3361.8	3376.9	3372.2	3402.3	3387.2	3504.0	3438.1	3408.9
30°	3892.1	3952.4	3854.5	3850.7	3846.0	3894.0	3915.7	3992.9	3926.0	3896.8
32.5°	4446.0	4509.1	4392.3	4358.4	4340.5	4369.7	4351.8	4414.0	4367.8	4322.6
35°	5031.9	5094.1	4982.9	4917.0	4845.4	4784.2	4720.1	4736.1	4692.8	4624.0
37.5°	5585.8	5699.7	5582.0	5511.3	5379.5	5259.8	5080.9	5006.5	4965.9	4902.8
40°	6150.0	6215.0	6125.5	6065.2	5922.0	5734.6	5448.2	5290.9	5236.3	5175.1
42.5°	6565.4	6627.5	6579.5	6538.1	6426.0	6208.4	5838.2	5641.3	5562.2	5493.4
45°	6895.1	6941.2	6911.1	6926.1	6878.1	6667.1	6242.3	6017.2	5935.2	5851.4
47.5°	7027.9	7076.9	7124.9	7214.4	7296.3	7140.9	6676.5	6424.1	6337.4	6251.7
50°	7012.8	7062.7	7202.1	7392.4	7646.7	7594.9	7134.3	6857.4	6777.3	6679.4
52.5°	6892.2	6948.8	7127.7	7444.2	7849.3	7935.0	7600.6	7304.8	7229.5	7112.6
55°	6575.7	6609.6	6878.1	7326.5	7897.3	8172.3	8057.4	7781.4	7706.1	7543.1
57.5°	5988.9	6037.9	6428.8	7009.0	7776.7	8333.4	8458.7	8282.5	8210.0	7975.5
60°	5223.1	5301.3	5748.7	6475.9	7469.6	8332.5	8823.2	8775.2	8714.9	8401.2
62.5°	4356.5	4446.9	4877.4	5722.3	6932.7	8096.0	9051.2	9187.8	9156.7	8794.0
65°	3345.8	3408.0	3836.6	4747.4	6097.2	7588.3	9077.6	9469.4	9475.1	9092.6
67.5°	2227.7	2406.7	2778.7	3562.4	4978.2	6758.5	8845.8	9515.6	9570.2	9195.3
70°	1087.0	1322.5	1687.0	2315.3	3562.4	5485.9	8240.2	9136.9	9258.4	8895.8
72.5°	451.2	527.5	726.2	1142.6	2045.0	3701.9	7023.2	8110.2	8335.3	7882.2
75°	304.2	329.7	415.4	585.9	931.6	1825.5	5064.9	6047.3	6410.0	5953.1
77.5°	234.5	250.6	302.4	409.7	553.9	690.4	2710.9	3644.4	3831.8	3547.4
80°	184.6	196.9	226.1	298.6	392.8	369.2	924.1	1651.2	1759.6	1476.0
82.5°	160.1	164.8	162.0	202.5	260.9	215.7	303.3	609.4	672.6	487.9
85°	115.9	129.0	134.7	125.3	138.5	109.3	124.3	215.7	237.4	211.9
87.5°	47.1	69.7	85.7	81.0	50.9	31.1	38.6	63.1	72.5	79.1
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°
1988.5	0°	1988.5	1988.5	1988.5	1988.5	1988.5	1988.5	1988.5	1988.5	1988.5	1988.5
1989.4	2.5°	1990.3	1996.9	2001.6	2007.3	2011.1	2016.7	2028.0	2034.6	2035.5	2040.3
2004.5	5°	2008.2	2017.7	2028.0	2043.1	2060.0	2074.2	2095.8	2110.9	2116.6	2121.3
2041.2	7.5°	2046.9	2060.0	2078.9	2105.3	2129.7	2148.6	2175.0	2192.9	2210.8	2217.3
2099.6	10°	2104.3	2123.2	2150.5	2186.3	2212.6	2237.1	2264.4	2279.5	2297.4	2304.9
2169.3	12.5°	2175.9	2195.7	2231.5	2281.4	2305.9	2322.8	2332.3	2328.5	2332.3	2338.9
2253.1	15°	2257.8	2279.5	2320.0	2373.7	2390.7	2375.6	2354.9	2336.0	2333.2	2335.1
2354.9	17.5°	2354.9	2370.9	2418.0	2463.2	2450.9	2388.8	2343.6	2313.4	2298.4	2293.6
2484.9	20°	2490.5	2490.5	2529.1	2557.4	2475.4	2369.9	2299.3	2250.3	2219.2	2206.0
2661.9	22.5°	2655.4	2640.3	2664.8	2645.0	2470.7	2317.2	2219.2	2134.5	2087.4	2068.5
2909.7	25°	2864.5	2846.6	2840.0	2717.5	2436.8	2233.4	2074.2	1971.5	1930.1	1919.7
3266.7	27.5°	3180.0	3134.8	3049.1	2757.1	2374.7	2101.5	1904.6	1809.5	1785.9	1786.9
3725.4	30°	3600.1	3509.7	3299.6	2763.7	2272.9	1915.0	1731.3	1663.5	1652.2	1656.9
4110.7	32.5°	3989.1	3903.4	3555.9	2733.5	2116.6	1732.2	1575.9	1530.7	1513.7	1519.4
4404.5	35°	4294.3	4270.8	3793.2	2691.1	1924.4	1560.8	1436.5	1397.9	1364.9	1357.3
4681.5	37.5°	4582.6	4573.2	3971.3	2631.8	1734.1	1439.3	1324.4	1273.5	1225.5	1199.1
4987.6	40°	4899.1	4889.7	4088.1	2540.4	1565.5	1333.8	1223.6	1156.7	1097.4	1049.3
5334.3	42.5°	5255.1	5199.6	4143.6	2409.5	1422.3	1244.3	1141.6	1051.2	973.0	928.8
5726.1	45°	5644.2	5518.9	4142.7	2242.8	1301.8	1162.4	1054.0	925.9	853.4	812.0
6128.3	47.5°	6056.7	5824.1	4091.8	2058.2	1185.0	1071.9	918.4	820.4	772.4	747.0
6565.4	50°	6482.5	6109.5	4005.2	1846.2	1065.3	969.3	833.6	766.7	730.0	706.5
6998.7	52.5°	6882.8	6368.5	3900.6	1606.0	943.8	869.4	795.9	744.1	705.5	679.1
7418.8	55°	7254.9	6591.8	3752.7	1360.2	844.9	802.5	778.0	734.7	690.4	659.4
7845.5	57.5°	7585.5	6736.8	3497.5	1129.4	774.3	756.4	759.2	718.7	667.8	641.5
8265.6	60°	7860.6	6843.3	3119.7	915.6	716.8	711.2	730.0	688.6	629.2	599.1
8620.7	62.5°	8025.4	6841.4	2656.3	749.8	667.8	669.7	691.4	650.9	590.6	562.3
8806.3	65°	8011.3	6673.7	2147.6	641.5	620.7	622.6	650.9	609.4	558.6	541.6
8713.0	67.5°	7727.7	6264.9	1647.5	570.8	568.9	577.4	610.4	581.2	538.8	536.9
8157.3	70°	6960.1	5416.2	1186.9	514.3	515.2	527.5	570.8	563.3	528.4	532.2
6858.3	72.5°	5581.0	4129.5	796.9	455.0	455.9	475.7	533.1	549.2	518.1	568.0
4866.1	75°	3716.9	2575.3	512.4	391.9	392.8	418.2	500.2	521.8	489.8	566.1
2532.0	77.5°	1785.9	1157.7	371.1	329.7	329.7	353.2	432.4	467.2	417.3	439.9
813.8	80°	617.0	435.2	292.0	265.6	260.0	276.0	364.5	405.0	359.8	331.6
265.6	82.5°	243.0	226.1	234.5	206.3	187.4	197.8	283.5	334.4	264.7	239.3
149.8	85°	139.4	146.9	165.8	136.6	108.3	121.5	208.2	240.2	199.7	176.1
49.0	87.5°	37.7	51.8	76.3	70.6	49.0	51.8	98.9	132.8	114.9	88.5
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°
1988.5
2039.3
2120.3
2218.3
2308.7
2340.7
2341.7
2300.2
2203.2
2065.7
1921.6
1789.7
1672.9
1526.9
1363.0
1200.0
1054.0
931.6
810.1
741.3
698.0
667.8
647.1
624.5
585.9
553.9
540.7
539.7
531.3
575.5
570.8
403.2
310.8
238.3
179.9
91.4
0.0

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