

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: P848708

Luminaire Tested: **GLAN-SB5B-927-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848708
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-SB5B-927-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 90 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18330 lumens
Efficiency: N/A
Efficacy: 100.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

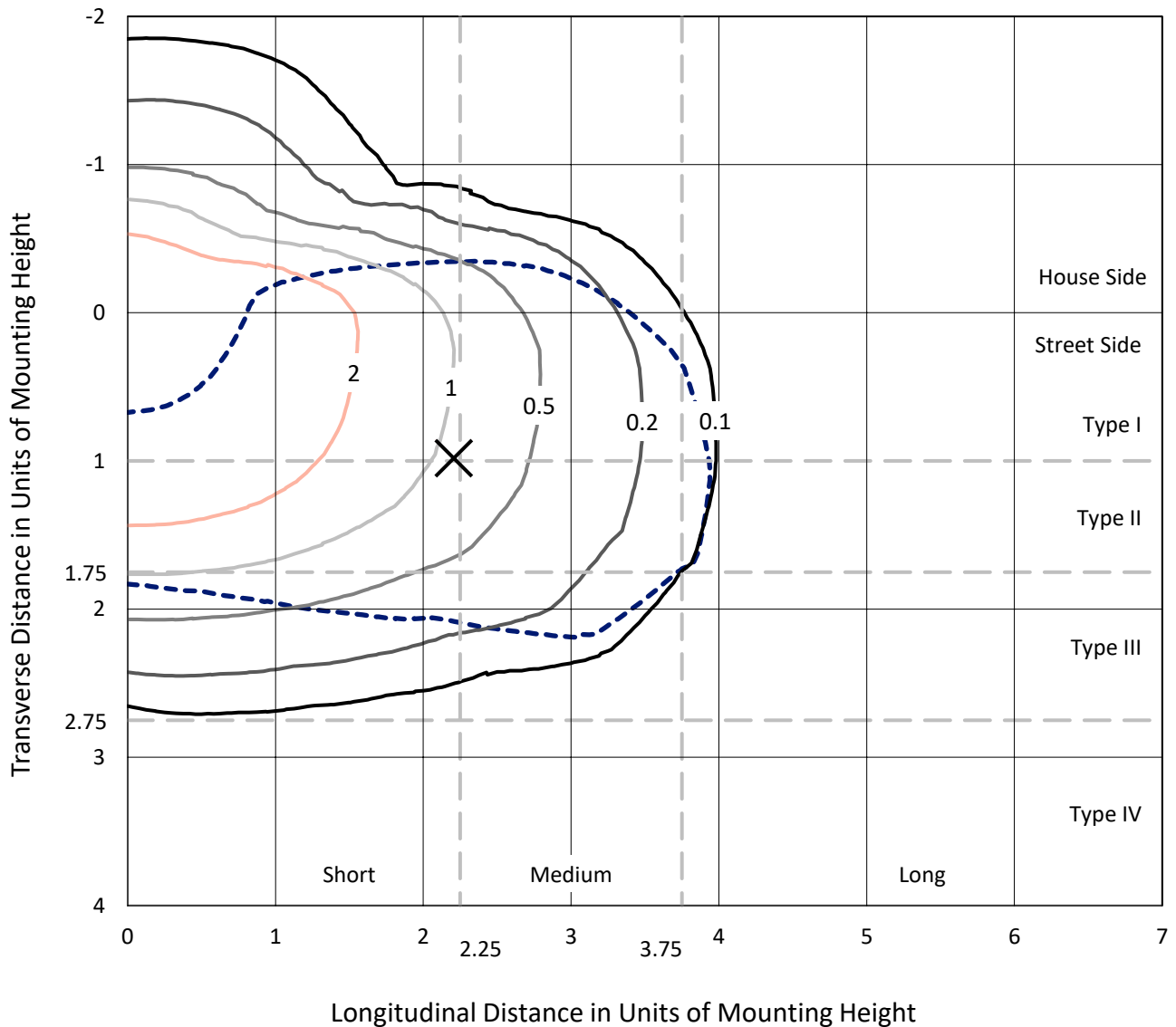
Input Watts (W): 182.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

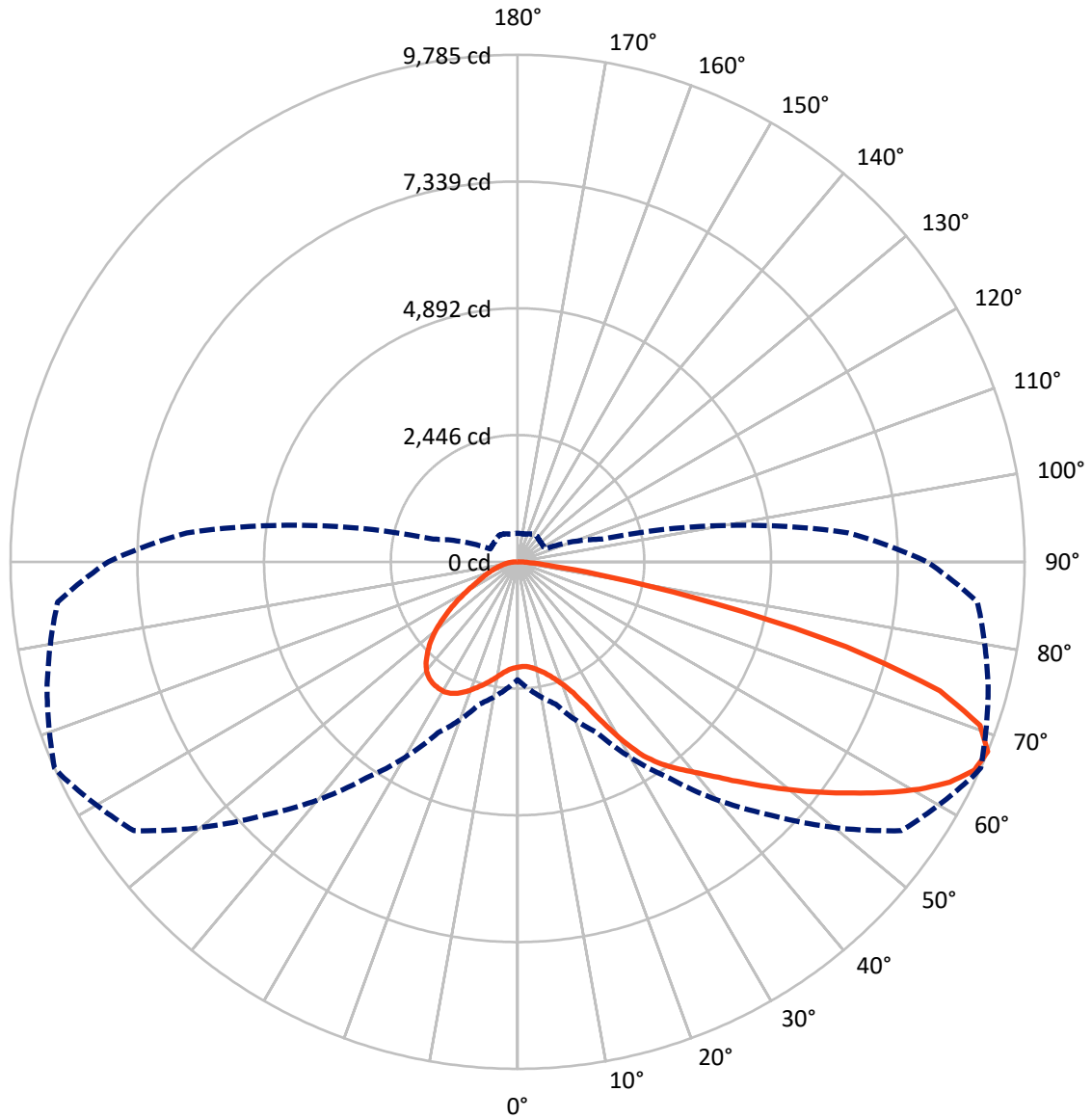
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.6 fc
 Type 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	4557.7	0.0	4557.7
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	13772.3	0.0	13772.3
	% Fixture	75.1	0.0	75.1
Total	Lumens	18330.0	0.0	18330.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	201.6	1.1
10°-20°	666.0	3.6
20°-30°	1283.6	7.0
30°-40°	2250.6	12.3
40°-50°	3345.9	18.3
50°-60°	4241.3	23.1
60°-70°	4150.0	22.6
70°-80°	1979.6	10.8
80°-90°	211.6	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°	18330.0	100.0
0°-180°	18330.0	100.0

Coefficient of Utilization



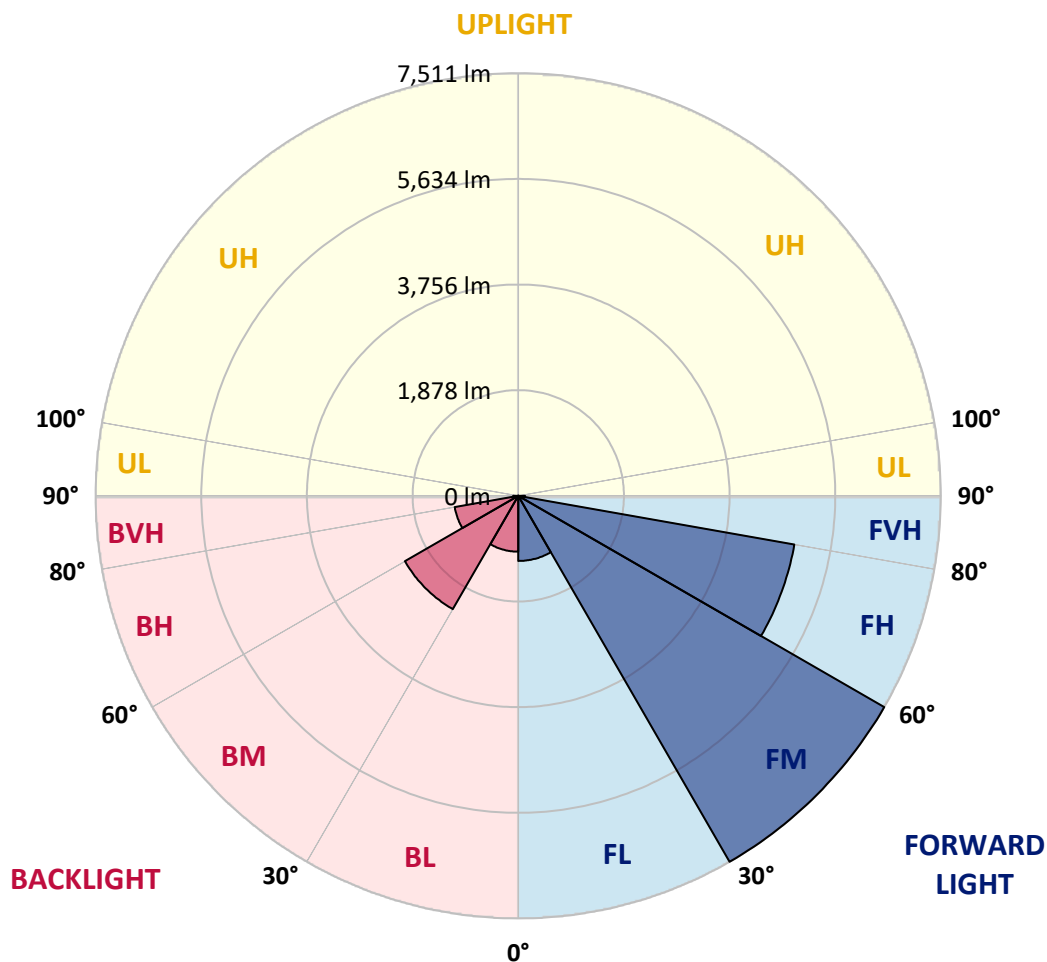
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1158.3	6.3			
FM (30°-60°)	7511.5	41.0			
FH (60°-80°)	4982.6	27.2			G2/5000
FVH (80°-90°)	119.9	0.7			G2/225
BL (0°-30°)	992.8	5.4	B2/1000		
BM (30°-60°)	2326.3	12.7	B2/2500		
BH (60°-80°)	1147.0	6.3	B3/2500		G3/2500
BVH (80°-90°)	91.6	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°	2033.0	2033.0	2033.0	2033.0	2033.0	2033.0	2033.0	2033.0	2033.0	2033.0
2.5°	2011.9	2023.4	2020.5	2015.7	2014.7	2016.7	2019.6	2022.4	2021.5	2026.3
5°	2006.1	2017.6	2016.7	2016.7	2020.5	2028.2	2033.0	2037.9	2033.0	2038.8
7.5°	2009.9	2018.6	2022.4	2026.3	2035.9	2050.4	2061.9	2072.5	2066.7	2073.5
10°	2059.0	2065.8	2069.6	2069.6	2076.4	2092.7	2104.3	2123.6	2118.8	2129.3
12.5°	2148.6	2155.3	2155.3	2151.5	2156.3	2166.9	2170.8	2191.9	2183.3	2200.6
15°	2258.4	2271.9	2261.3	2254.5	2256.5	2267.1	2266.1	2282.5	2273.8	2288.3
17.5°	2379.7	2397.1	2379.7	2378.8	2374.9	2386.5	2387.4	2401.9	2386.5	2397.1
20°	2523.2	2547.3	2532.9	2537.7	2529.0	2533.8	2538.7	2559.8	2535.8	2543.5
22.5°	2725.5	2754.4	2739.0	2757.3	2751.5	2747.6	2746.7	2784.2	2746.7	2749.6
25°	3020.2	3054.9	3027.9	3052.9	3052.9	3065.4	3079.9	3128.0	3065.4	3047.2
27.5°	3455.5	3490.2	3437.2	3452.6	3447.8	3478.6	3463.2	3582.6	3515.2	3485.3
30°	3979.4	4041.0	3940.9	3937.0	3932.2	3981.3	4003.5	4082.5	4014.1	3984.2
32.5°	4545.7	4610.2	4490.8	4456.1	4437.8	4467.7	4449.4	4512.9	4465.8	4419.5
35°	5144.7	5208.3	5094.6	5027.2	4954.0	4891.4	4825.9	4842.3	4798.0	4727.7
37.5°	5711.0	5827.5	5707.1	5634.9	5500.1	5377.8	5194.8	5118.7	5077.3	5012.8
40°	6287.9	6354.3	6262.8	6201.2	6054.8	5863.2	5570.4	5409.6	5353.7	5291.1
42.5°	6712.6	6776.2	6727.0	6684.7	6570.1	6347.6	5969.1	5767.8	5686.9	5616.6
45°	7049.7	7096.9	7066.0	7081.4	7032.3	6816.6	6382.3	6152.1	6068.3	5982.6
47.5°	7185.5	7235.5	7284.7	7376.1	7459.9	7301.0	6826.2	6568.1	6479.5	6391.9
50°	7170.1	7221.1	7363.6	7558.2	7818.2	7765.2	7294.3	7011.1	6929.3	6829.1
52.5°	7046.8	7104.6	7287.5	7611.1	8025.3	8112.9	7771.0	7468.6	7391.6	7272.1
55°	6723.2	6757.9	7032.3	7490.8	8074.4	8355.6	8238.1	7955.9	7878.9	7712.3
57.5°	6123.2	6173.3	6572.9	7166.2	7951.1	8520.3	8648.4	8468.3	8394.1	8154.3
60°	5340.2	5420.2	5877.6	6621.1	7637.1	8519.3	9021.1	8972.0	8910.3	8589.6
62.5°	4454.2	4546.7	4986.8	5850.6	7088.2	8277.6	9254.1	9393.8	9362.0	8991.2
65°	3420.8	3484.4	3922.6	4853.9	6233.9	7758.5	9281.1	9681.7	9687.5	9296.5
67.5°	2277.7	2460.6	2841.1	3642.3	5089.8	6910.0	9044.2	9728.9	9784.8	9401.5
70°	1111.4	1352.1	1724.9	2367.2	3642.3	5608.9	8424.9	9341.8	9466.0	9095.2
72.5°	461.3	539.3	742.5	1168.2	2090.8	3784.9	7180.6	8292.0	8522.2	8059.0
75°	311.1	337.1	424.7	599.0	952.5	1866.4	5178.4	6182.9	6553.7	6086.6
77.5°	239.8	256.2	309.1	418.9	566.3	705.9	2771.7	3726.1	3917.8	3626.9
80°	188.8	201.3	231.1	305.3	401.6	377.5	944.8	1688.3	1799.0	1509.1
82.5°	163.7	168.5	165.6	207.1	266.8	220.5	310.1	623.1	687.6	498.9
85°	118.5	131.9	137.7	128.1	141.6	111.7	127.1	220.5	242.7	216.7
87.5°	48.2	71.3	87.6	82.8	52.0	31.8	39.5	64.5	74.2	80.9
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°
2033.0	0°	2033.0	2033.0	2033.0	2033.0	2033.0	2033.0	2033.0	2033.0	2033.0	2033.0
2034.0	2.5°	2035.0	2041.7	2046.5	2052.3	2056.2	2061.9	2073.5	2080.2	2081.2	2086.0
2049.4	5°	2053.3	2062.9	2073.5	2088.9	2106.2	2120.7	2142.8	2158.2	2164.0	2168.8
2087.0	7.5°	2092.7	2106.2	2125.5	2152.5	2177.5	2196.8	2223.7	2242.0	2260.3	2267.1
2146.7	10°	2151.5	2170.8	2198.7	2235.3	2262.2	2287.3	2315.2	2330.6	2348.9	2356.6
2217.9	12.5°	2224.7	2244.9	2281.5	2332.6	2357.6	2374.9	2384.6	2380.7	2384.6	2391.3
2303.7	15°	2308.5	2330.6	2372.0	2426.9	2444.3	2428.9	2407.7	2388.4	2385.5	2387.4
2407.7	17.5°	2407.7	2424.0	2472.2	2518.4	2505.9	2442.3	2396.1	2365.3	2349.9	2345.1
2540.6	20°	2546.4	2546.4	2585.8	2614.7	2530.9	2423.1	2350.9	2300.8	2269.0	2255.5
2721.6	22.5°	2714.9	2699.5	2724.5	2704.3	2526.1	2369.2	2269.0	2182.3	2134.2	2114.9
2974.9	25°	2928.7	2910.4	2903.7	2778.5	2491.5	2283.4	2120.7	2015.7	1973.3	1962.7
3339.9	27.5°	3251.3	3205.1	3117.5	2818.9	2427.9	2148.6	1947.3	1850.1	1826.0	1826.9
3808.9	30°	3680.9	3588.4	3373.6	2825.6	2323.9	1957.9	1770.1	1700.8	1689.2	1694.0
4202.8	32.5°	4078.6	3991.0	3635.6	2794.8	2164.0	1771.1	1611.2	1565.0	1547.7	1553.4
4503.3	35°	4390.6	4366.6	3878.3	2751.5	1967.6	1595.8	1468.7	1429.2	1395.5	1387.8
4786.5	37.5°	4685.3	4675.7	4060.3	2690.8	1773.0	1471.6	1354.1	1302.1	1253.0	1226.0
5099.5	40°	5008.9	4999.3	4179.7	2597.4	1600.6	1363.7	1251.0	1182.6	1122.0	1072.9
5453.9	42.5°	5373.0	5316.1	4236.5	2463.5	1454.2	1272.2	1167.2	1074.8	994.9	949.6
5854.5	45°	5770.7	5642.6	4235.6	2293.1	1331.0	1188.4	1077.7	946.7	872.5	830.2
6265.7	47.5°	6192.5	5954.7	4183.6	2104.3	1211.5	1096.0	939.0	838.8	789.7	763.7
6712.6	50°	6627.8	6246.5	4095.0	1887.6	1089.2	991.0	852.3	783.9	746.4	722.3
7155.6	52.5°	7037.1	6511.3	3988.1	1642.0	965.0	888.9	813.8	760.8	721.3	694.4
7585.1	55°	7417.6	6739.6	3836.9	1390.7	863.9	820.5	795.5	751.2	705.9	674.1
8021.4	57.5°	7755.6	6887.9	3575.9	1154.7	791.6	773.3	776.2	734.8	682.8	655.9
8450.9	60°	8036.8	6996.7	3189.7	936.1	732.9	727.1	746.4	704.0	643.3	612.5
8814.0	62.5°	8205.4	6994.8	2715.9	766.6	682.8	684.7	706.9	665.5	603.8	575.0
9003.7	65°	8190.9	6823.3	2195.8	655.9	634.7	636.6	665.5	623.1	571.1	553.8
8908.4	67.5°	7901.0	6405.4	1684.4	583.6	581.7	590.4	624.1	594.2	550.9	548.9
8340.2	70°	7116.1	5537.6	1213.5	525.8	526.8	539.3	583.6	575.9	540.3	544.1
7012.1	72.5°	5706.2	4222.1	814.8	465.2	466.1	486.3	545.1	561.5	529.7	580.7
4975.2	75°	3800.3	2633.0	523.9	400.6	401.6	427.6	511.4	533.5	500.8	578.8
2588.7	77.5°	1826.0	1183.6	379.4	337.1	337.1	361.2	442.0	477.7	426.6	449.8
832.1	80°	630.8	444.9	298.6	271.6	265.8	282.2	372.7	414.1	367.9	339.0
271.6	82.5°	248.5	231.1	239.8	210.9	191.7	202.2	289.9	341.9	270.6	244.6
153.1	85°	142.5	150.2	169.5	139.6	110.8	124.2	212.8	245.6	204.2	180.1
50.1	87.5°	38.5	53.0	78.0	72.2	50.1	53.0	101.1	135.8	117.5	90.5
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°
2033.0
2085.0
2167.9
2268.0
2360.5
2393.2
2394.2
2351.8
2252.6
2112.0
1964.7
1829.8
1710.4
1561.1
1393.6
1227.0
1077.7
952.5
828.2
757.9
713.6
682.8
661.6
638.5
599.0
566.3
552.8
551.8
543.2
588.4
583.6
412.2
317.8
243.7
183.9
93.4
0.0

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