

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: P847488

Luminaire Tested: **GLAN-SB3C-835-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847488
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-835-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 80 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18617 lumens
Efficiency: N/A
Efficacy: 124.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

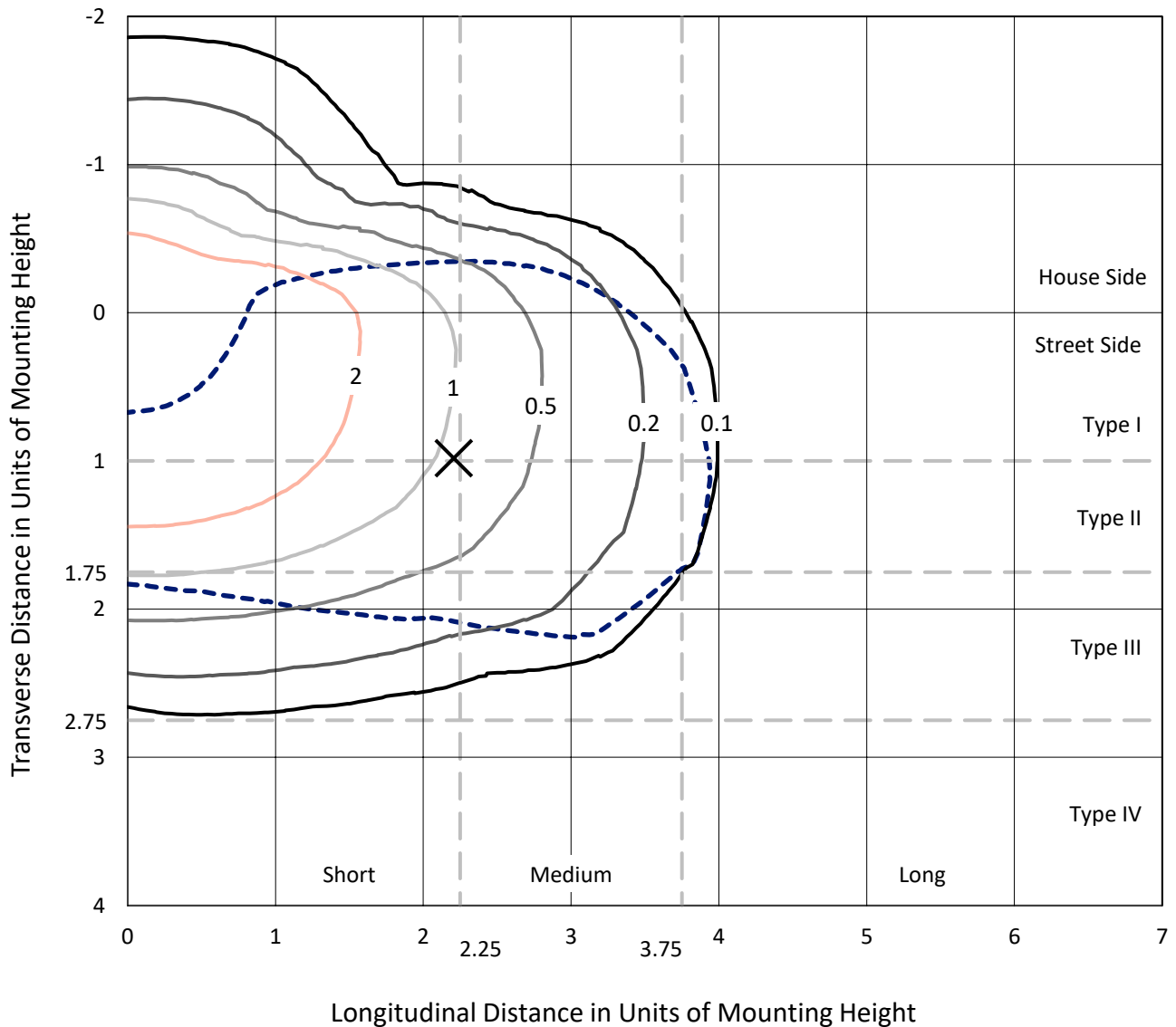
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

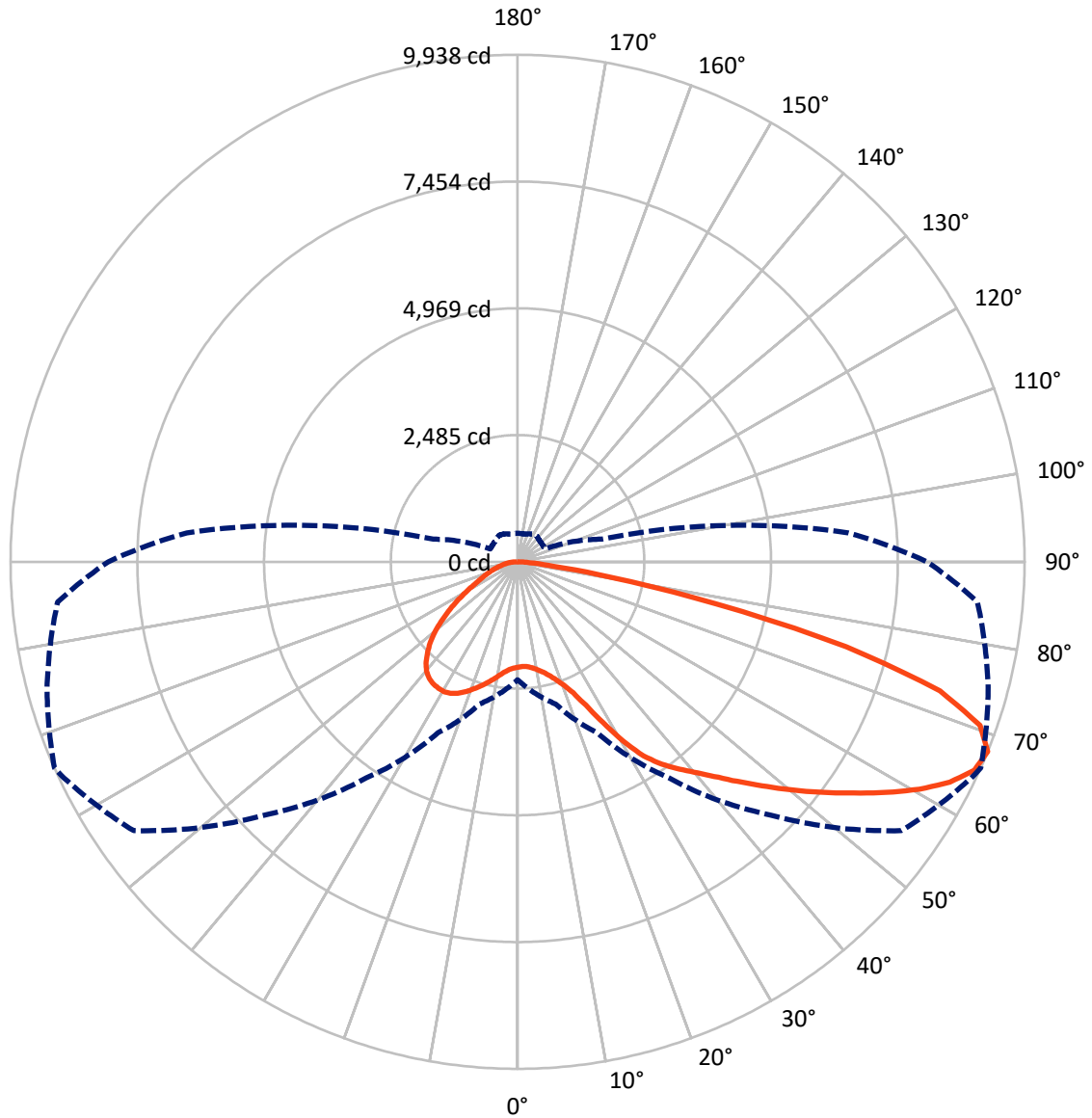
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.7 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	4629.1	0.0	4629.1
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	13987.9	0.0	13987.9
	% Fixture	75.1	0.0	75.1
Total	Lumens	18617.0	0.0	18617.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	204.7	1.1
10°-20°	676.4	3.6
20°-30°	1303.7	7.0
30°-40°	2285.8	12.3
40°-50°	3398.3	18.3
50°-60°	4307.7	23.1
60°-70°	4215.0	22.6
70°-80°	2010.6	10.8
80°-90°	214.9	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°	18617.0	100.0
0°-180°	18617.0	100.0

Coefficient of Utilization



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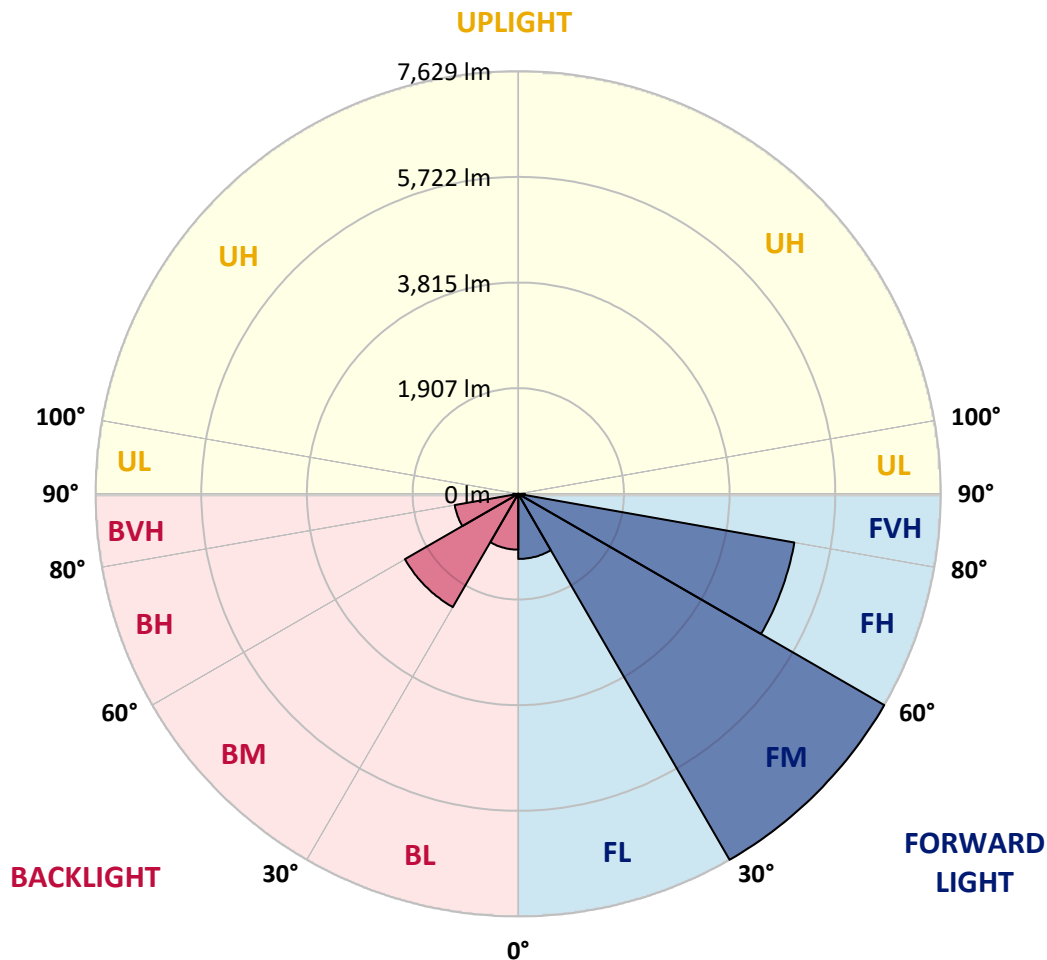
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1176.4	6.3			
FM (30°-60°)	7629.1	41.0			
FH (60°-80°)	5060.6	27.2			G3/7500
FVH (80°-90°)	121.8	0.7			G2/225
BL (0°-30°)	1008.4	5.4	B3/2500		
BM (30°-60°)	2362.7	12.7	B2/2500		
BH (60°-80°)	1164.9	6.3	B3/2500		G3/2500
BVH (80°-90°)	93.0	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°	2064.9	2064.9	2064.9	2064.9	2064.9	2064.9	2064.9	2064.9	2064.9	2064.9
2.5°	2043.4	2055.1	2052.2	2047.3	2046.3	2048.2	2051.2	2054.1	2053.1	2058.0
5°	2037.5	2049.2	2048.2	2048.2	2052.2	2060.0	2064.9	2069.8	2064.9	2070.7
7.5°	2041.4	2050.2	2054.1	2058.0	2067.8	2082.5	2094.2	2105.0	2099.1	2106.0
10°	2091.3	2098.1	2102.0	2102.0	2108.9	2125.5	2137.3	2156.8	2151.9	2162.7
12.5°	2182.2	2189.1	2189.1	2185.2	2190.1	2200.8	2204.7	2226.3	2217.5	2235.1
15°	2293.8	2307.5	2296.7	2289.8	2291.8	2302.6	2301.6	2318.2	2309.4	2324.1
17.5°	2417.0	2434.6	2417.0	2416.0	2412.1	2423.9	2424.8	2439.5	2423.9	2434.6
20°	2562.7	2587.2	2572.5	2577.4	2568.6	2573.5	2578.4	2599.9	2575.5	2583.3
22.5°	2768.2	2797.5	2781.9	2800.4	2794.6	2790.7	2789.7	2827.8	2789.7	2792.6
25°	3067.5	3102.7	3075.3	3100.7	3100.7	3113.4	3128.1	3177.0	3113.4	3094.9
27.5°	3509.6	3544.8	3491.0	3506.7	3501.8	3533.1	3517.4	3638.7	3570.2	3539.9
30°	4041.7	4104.3	4002.6	3998.7	3993.8	4043.7	4066.2	4146.4	4076.9	4046.6
32.5°	4616.9	4682.4	4561.1	4525.9	4507.3	4537.6	4519.0	4583.6	4535.7	4488.7
35°	5225.3	5289.8	5174.4	5105.9	5031.6	4968.0	4901.5	4918.1	4873.1	4801.7
37.5°	5800.4	5918.8	5796.5	5723.1	5586.2	5462.0	5276.1	5198.9	5156.8	5091.3
40°	6386.3	6453.8	6360.9	6298.3	6149.6	5955.0	5657.6	5494.3	5437.5	5373.9
42.5°	6817.7	6882.3	6832.4	6789.3	6672.9	6447.0	6062.6	5858.1	5776.0	5704.6
45°	7160.0	7208.0	7176.7	7192.3	7142.4	6923.3	6482.2	6248.4	6163.3	6076.3
47.5°	7298.0	7348.8	7398.7	7491.6	7576.7	7415.3	6933.1	6671.0	6581.0	6492.0
50°	7282.3	7334.2	7478.9	7676.5	7940.6	7886.8	7408.5	7120.9	7037.8	6936.1
52.5°	7157.1	7215.8	7401.6	7730.3	8150.9	8239.9	7892.7	7585.5	7507.3	7386.0
55°	6828.5	6863.7	7142.4	7608.0	8200.8	8486.4	8367.1	8080.5	8002.2	7833.0
57.5°	6219.1	6269.9	6675.9	7278.4	8075.6	8653.7	8783.8	8600.9	8525.5	8282.0
60°	5423.8	5505.0	5969.6	6724.8	7756.7	8652.7	9162.3	9112.4	9049.8	8724.1
62.5°	4523.9	4617.8	5064.9	5942.3	7199.2	8407.2	9399.0	9540.9	9508.6	9132.0
65°	3474.4	3538.9	3984.0	4929.9	6331.6	7880.0	9426.4	9833.3	9839.2	9442.1
67.5°	2313.3	2499.2	2885.5	3699.4	5169.5	7018.2	9185.8	9881.3	9938.0	9548.7
70°	1128.8	1373.3	1751.9	2404.3	3699.4	5696.7	8556.8	9488.0	9614.2	9237.6
72.5°	468.5	547.8	754.2	1186.5	2123.6	3844.1	7293.1	8421.9	8655.6	8185.1
75°	315.9	342.4	431.4	608.4	967.4	1895.7	5259.5	6279.7	6656.3	6181.9
77.5°	243.6	260.2	314.0	425.5	575.2	717.0	2815.1	3784.5	3979.1	3683.7
80°	191.7	204.4	234.8	310.1	407.9	383.4	959.6	1714.7	1827.2	1532.8
82.5°	166.3	171.2	168.2	210.3	270.9	224.0	315.0	632.9	698.4	506.7
85°	120.3	134.0	139.9	130.1	143.8	113.5	129.1	224.0	246.5	220.1
87.5°	48.9	72.4	89.0	84.1	52.8	32.3	40.1	65.5	75.3	82.2
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°
2064.9	0°	2064.9	2064.9	2064.9	2064.9	2064.9	2064.9	2064.9	2064.9	2064.9	2064.9
2065.8	2.5°	2066.8	2073.7	2078.6	2084.4	2088.3	2094.2	2106.0	2112.8	2113.8	2118.7
2081.5	5°	2085.4	2095.2	2106.0	2121.6	2139.2	2153.9	2176.4	2192.0	2197.9	2202.8
2119.6	7.5°	2125.5	2139.2	2158.8	2186.2	2211.6	2231.2	2258.5	2277.1	2295.7	2302.6
2180.3	10°	2185.2	2204.7	2233.1	2270.3	2297.7	2323.1	2351.5	2367.1	2385.7	2393.5
2252.7	12.5°	2259.5	2280.1	2317.2	2369.1	2394.5	2412.1	2421.9	2418.0	2421.9	2428.7
2339.7	15°	2344.6	2367.1	2409.2	2464.9	2482.5	2466.9	2445.4	2425.8	2422.9	2424.8
2445.4	17.5°	2445.4	2462.0	2510.9	2557.9	2545.1	2480.6	2433.6	2402.3	2386.7	2381.8
2580.4	20°	2586.2	2586.2	2626.3	2655.7	2570.6	2461.0	2387.7	2336.8	2304.5	2290.8
2764.2	22.5°	2757.4	2741.8	2767.2	2746.6	2565.7	2406.2	2304.5	2216.5	2167.6	2148.0
3021.5	25°	2974.5	2956.0	2949.1	2822.0	2530.5	2319.2	2153.9	2047.3	2004.2	1993.5
3392.2	27.5°	3302.2	3255.3	3166.3	2863.0	2465.9	2182.2	1977.8	1879.0	1854.6	1855.5
3868.6	30°	3738.5	3644.6	3426.5	2869.9	2360.3	1988.6	1797.8	1727.4	1715.7	1720.6
4268.6	32.5°	4142.5	4053.4	3692.5	2838.6	2197.9	1798.8	1636.4	1589.5	1571.9	1577.8
4573.8	35°	4459.4	4434.9	3939.0	2794.6	1998.4	1620.8	1491.7	1451.6	1417.3	1409.5
4861.4	37.5°	4758.7	4748.9	4123.9	2732.9	1800.8	1494.6	1375.3	1322.5	1272.6	1245.2
5179.3	40°	5087.3	5077.6	4245.2	2638.1	1625.7	1385.1	1270.6	1201.2	1139.5	1089.7
5539.3	42.5°	5457.1	5399.4	4302.9	2502.1	1477.0	1292.1	1185.5	1091.6	1010.4	964.5
5946.2	45°	5861.1	5731.0	4301.9	2329.0	1351.8	1207.0	1094.5	961.5	886.2	843.2
6363.8	47.5°	6289.5	6047.9	4249.1	2137.3	1230.5	1113.1	953.7	852.0	802.1	775.7
6817.7	50°	6731.6	6344.3	4159.1	1917.2	1106.3	1006.5	865.7	796.2	758.1	733.6
7267.6	52.5°	7147.3	6613.3	4050.5	1667.7	980.1	902.8	826.5	772.7	732.6	705.2
7703.9	55°	7533.7	6845.1	3896.9	1412.4	877.4	833.4	808.0	763.0	717.0	684.7
8147.0	57.5°	7877.0	6995.7	3631.9	1172.8	804.0	785.5	788.4	746.3	693.5	666.1
8583.3	60°	8162.6	7106.2	3239.6	950.8	744.4	738.5	758.1	715.0	653.4	622.1
8952.0	62.5°	8333.8	7104.3	2758.4	778.6	693.5	695.5	718.0	675.9	613.3	584.0
9144.7	65°	8319.2	6930.2	2230.2	666.1	644.6	646.6	675.9	632.9	580.0	562.4
9047.9	67.5°	8024.7	6505.7	1710.8	592.8	590.8	599.6	633.8	603.5	559.5	557.5
8470.8	70°	7227.5	5624.4	1232.5	534.1	535.0	547.8	592.8	584.9	548.7	552.7
7121.9	72.5°	5795.5	4288.2	827.5	472.4	473.4	494.0	553.6	570.3	538.0	589.8
5053.1	75°	3859.8	2674.3	532.1	406.9	407.9	434.3	519.4	541.9	508.6	587.9
2629.3	77.5°	1854.6	1202.1	385.4	342.4	342.4	366.8	449.0	485.2	433.3	456.8
845.1	80°	640.7	451.9	303.2	275.8	270.0	286.6	378.5	420.6	373.7	344.3
275.8	82.5°	252.4	234.8	243.6	214.2	194.7	205.4	294.4	347.2	274.9	248.4
155.5	85°	144.8	152.6	172.2	141.8	112.5	126.2	216.2	249.4	207.4	182.9
50.9	87.5°	39.1	53.8	79.2	73.4	50.9	53.8	102.7	137.9	119.3	91.9
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°
2064.9
2117.7
2201.8
2303.5
2397.4
2430.7
2431.7
2388.6
2287.9
2145.1
1995.4
1858.5
1737.2
1585.6
1415.4
1246.2
1094.5
967.4
841.2
769.8
724.8
693.5
672.0
648.5
608.4
575.2
561.5
560.5
551.7
597.6
592.8
418.6
322.8
247.5
186.8
94.9
0.0

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