

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: P852550

Luminaire Tested: **GLAN-SB4C-930-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852550
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB4C-930-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 90 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15332 lumens
Efficiency: N/A
Efficacy: 76.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

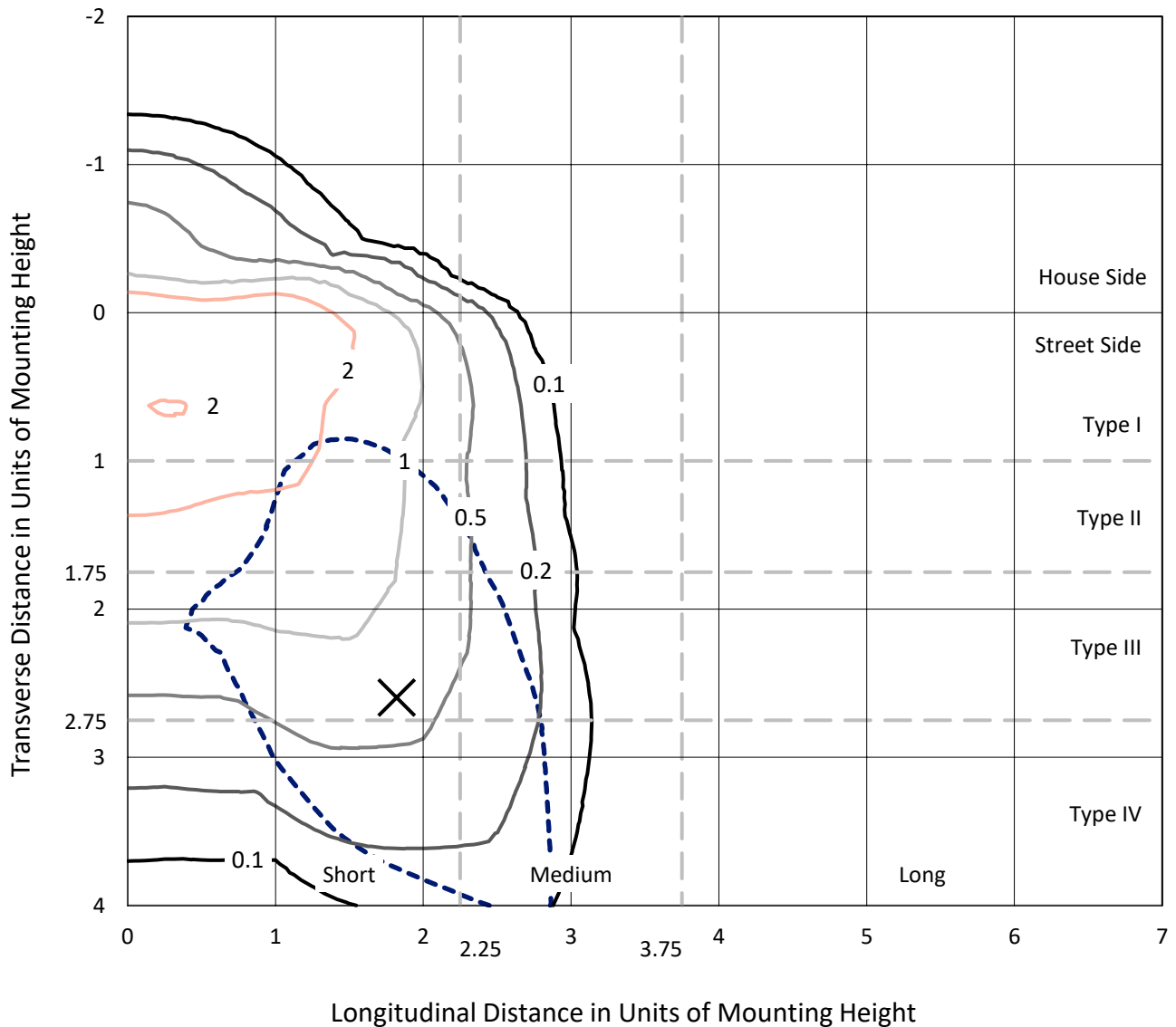
Input Watts (W): 200.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

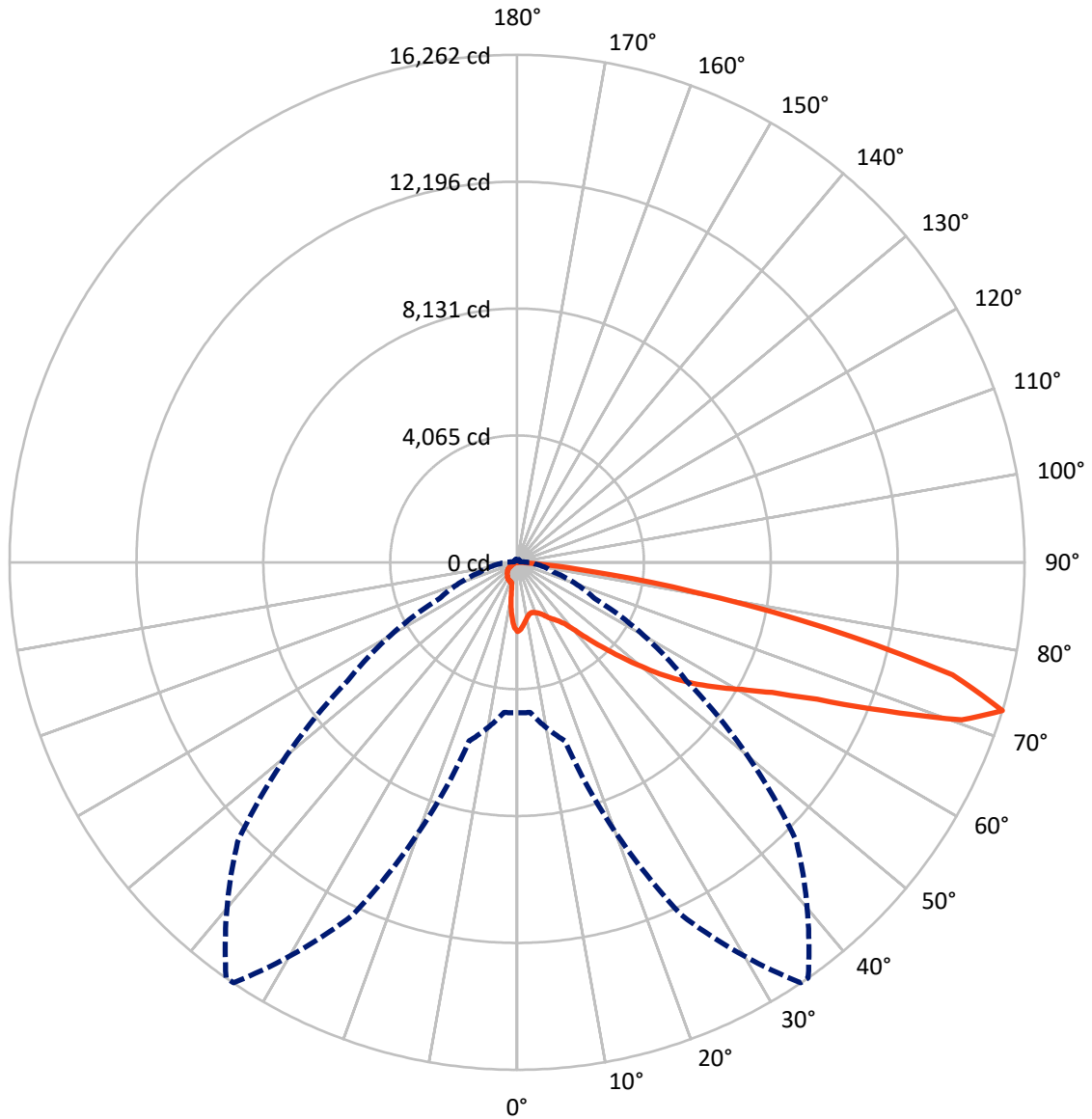
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.6 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1725.5	0.0	1725.5
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	13606.5	0.0	13606.5
	% Fixture	88.7	0.0	88.7
Total	Lumens	15332.0	0.0	15332.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	182.6	1.2
10°-20°	427.2	2.8
20°-30°	693.9	4.5
30°-40°	1157.8	7.6
40°-50°	2190.6	14.3
50°-60°	3480.8	22.7
60°-70°	4306.1	28.1
70°-80°	2676.7	17.5
80°-90°	216.3	1.4
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°	15332.0	100.0
0°-180°	15332.0	100.0

Coefficient of Utilization



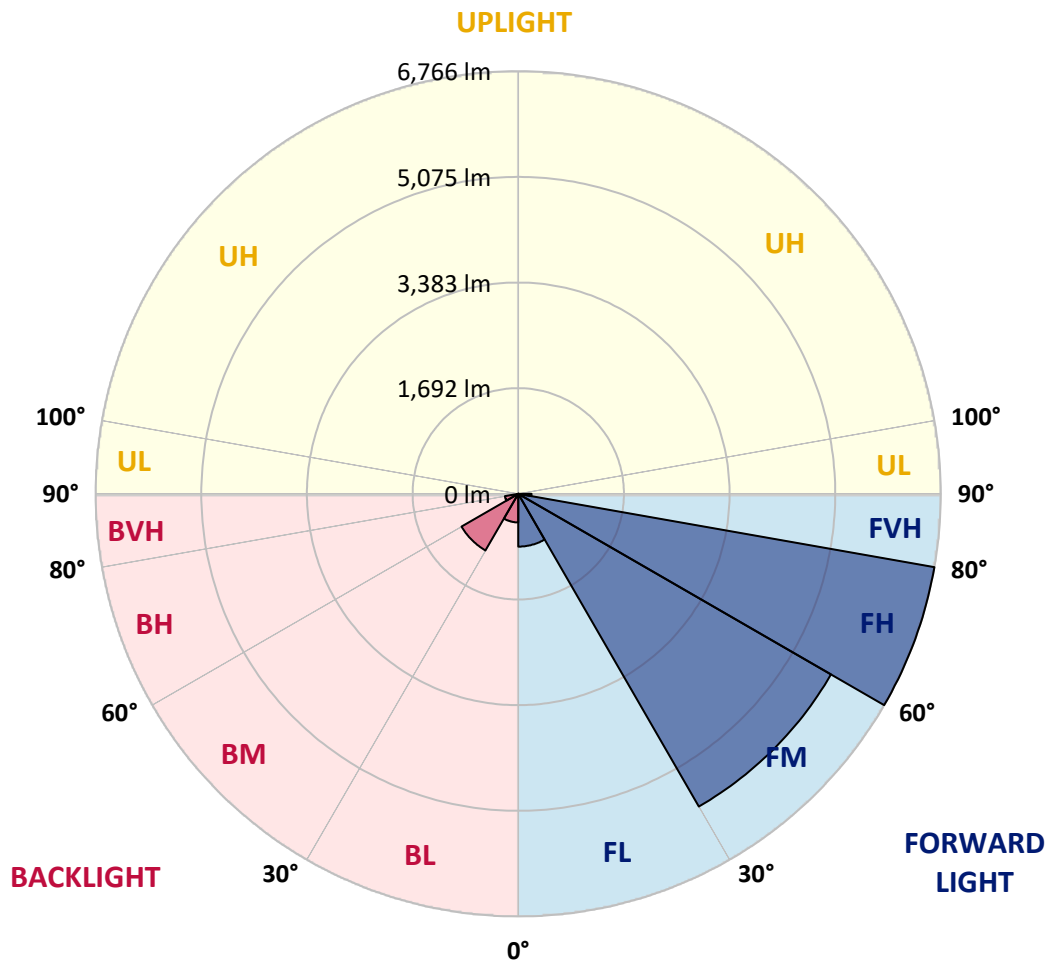
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	845.2	5.5			
FM	(30°-60°)	5781.7	37.7			
FH	(60°-80°)	6766.2	44.1			G3/7500
FVH	(80°-90°)	213.4	1.4			G2/225
BL	(0°-30°)	458.5	3.0	B1/500		
BM	(30°-60°)	1047.6	6.8	B2/2500		
BH	(60°-80°)	216.5	1.4	B1/500		G1/500
BVH	(80°-90°)	2.9	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	2222.1	2222.1	2222.1	2222.1	2222.1	2222.1	2222.1	2222.1	2222.1	2222.1
2.5°	2123.3	2141.2	2144.6	2150.2	2150.2	2157.0	2168.2	2183.9	2209.8	2223.2
5°	1957.0	1970.5	1987.3	2000.8	2026.6	2030.0	2073.8	2116.5	2176.1	2221.0
7.5°	1789.6	1805.3	1827.8	1860.4	1894.1	1904.2	1970.5	2042.4	2136.7	2221.0
10°	1671.6	1672.8	1693.0	1725.6	1779.5	1791.9	1872.7	1975.0	2092.9	2207.5
12.5°	1605.4	1613.2	1622.2	1646.9	1698.6	1706.5	1793.0	1913.2	2049.1	2199.7
15°	1605.4	1611.0	1616.6	1629.0	1670.5	1677.3	1753.7	1873.9	2026.6	2203.0
17.5°	1622.2	1631.2	1626.7	1641.3	1685.1	1689.6	1757.0	1862.6	2025.5	2224.4
20°	1662.7	1669.4	1660.4	1669.4	1713.2	1722.2	1791.9	1884.0	2044.6	2261.4
22.5°	1726.7	1730.1	1708.7	1715.5	1760.4	1771.6	1852.5	1944.6	2090.7	2321.0
25°	1807.6	1814.3	1781.7	1789.6	1832.3	1845.8	1939.0	2035.6	2163.7	2403.0
27.5°	1900.8	1904.2	1876.1	1875.0	1930.0	1949.1	2043.5	2148.0	2261.4	2506.3
30°	2007.5	2017.7	1990.7	1986.2	2055.9	2071.6	2164.8	2286.2	2405.2	2661.4
32.5°	2091.8	2099.7	2083.9	2095.2	2165.9	2178.3	2312.0	2481.6	2631.0	2881.6
35°	2213.1	2217.6	2181.7	2201.9	2282.8	2314.2	2513.1	2755.7	2915.3	3157.9
37.5°	2652.4	2652.4	2499.6	2399.6	2477.1	2505.2	2788.3	3100.6	3265.8	3528.7
40°	3260.2	3250.0	3026.5	2822.0	2811.9	2867.0	3180.4	3535.4	3718.5	3973.5
42.5°	3908.4	3892.6	3588.2	3386.0	3352.3	3371.4	3633.1	4071.3	4257.8	4516.1
45°	4483.6	4479.1	4200.5	3928.6	3867.9	3928.6	4198.2	4698.1	4831.8	5103.7
47.5°	4965.5	4965.5	4762.2	4584.7	4553.2	4589.2	4963.3	5393.5	5381.2	5729.4
50°	5520.5	5516.0	5322.8	5246.4	5278.9	5329.5	5844.0	6126.0	5949.6	6343.9
52.5°	5909.2	5936.1	5869.9	5857.5	6023.8	6111.4	6738.3	6842.7	6458.5	6927.0
55°	6217.0	6248.5	6324.8	6411.3	6731.5	6846.1	7604.4	7522.4	6884.3	7432.5
57.5°	6652.9	6607.9	6725.9	6896.7	7414.6	7552.7	8443.6	8163.9	7226.9	7842.6
60°	7182.0	7188.8	7209.0	7424.7	8096.5	8274.0	9270.4	8770.5	7447.1	8094.2
62.5°	7817.9	7828.0	7869.5	8201.0	9012.1	9179.4	10151.2	9267.1	7548.2	8023.5
65°	7774.1	7816.7	8280.7	9414.2	10404.0	10569.1	11179.1	9615.3	7395.5	7376.4
67.5°	7082.0	7151.7	7928.0	10863.5	12502.5	12686.8	12421.6	9683.9	6736.0	5736.2
70°	6174.3	6199.0	7132.6	12166.6	14932.5	15119.0	13533.8	8930.0	5111.6	3199.5
72.5°	4821.7	4827.3	5922.7	12468.8	16251.4	16261.5	12660.9	6629.3	2749.0	1229.0
75°	3444.4	3410.7	3966.8	10111.9	14297.7	14412.3	9491.8	3109.6	1050.4	580.8
77.5°	1846.9	1884.0	2244.6	5996.8	9877.1	10072.6	5179.0	896.5	534.7	395.4
80°	570.7	602.2	920.1	2745.6	5594.6	5712.6	1919.9	398.8	373.0	282.0
82.5°	179.7	186.5	429.1	1153.8	2322.1	2376.0	556.1	225.8	255.0	186.5
85°	51.7	52.8	191.0	430.3	574.1	585.3	156.2	87.6	146.0	115.7
87.5°	5.6	18.0	71.9	71.9	50.6	49.4	16.9	19.1	41.6	14.6
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°
2222.1	0°	2222.1	2222.1	2222.1	2222.1	2222.1	2222.1	2222.1	2222.1	2222.1	2222.1
2232.2	2.5°	2226.6	2227.7	2213.1	2188.4	2161.5	2139.0	2110.9	2088.4	2072.7	2068.2
2252.5	5°	2242.3	2234.5	2192.9	2117.6	2027.8	1950.3	1863.8	1795.2	1750.3	1731.2
2273.8	7.5°	2265.9	2243.5	2152.5	2004.2	1832.3	1679.5	1524.5	1404.3	1327.9	1289.7
2294.0	10°	2286.2	2241.2	2085.1	1840.2	1577.3	1345.9	1136.9	992.0	911.1	872.9
2317.6	12.5°	2305.3	2240.1	1997.4	1645.8	1289.7	1006.6	812.2	740.3	717.9	710.0
2355.8	15°	2341.2	2243.5	1887.3	1423.4	1003.2	760.6	689.8	688.7	693.1	690.9
2414.2	17.5°	2390.6	2246.8	1762.6	1187.5	774.0	670.7	667.3	677.4	684.2	680.8
2487.2	20°	2454.7	2260.3	1630.1	953.8	665.1	648.2	656.1	665.1	670.7	665.1
2585.0	22.5°	2544.5	2283.9	1485.2	766.2	630.2	634.7	641.5	651.6	657.2	649.3
2709.7	25°	2654.6	2321.0	1342.5	666.2	613.4	619.0	629.1	640.3	647.1	639.2
2867.0	27.5°	2797.3	2380.5	1211.0	643.7	596.5	599.9	614.5	631.4	640.3	630.2
3090.5	30°	3004.0	2478.3	1097.6	653.8	586.4	578.6	598.8	622.4	632.5	623.5
3395.0	32.5°	3278.1	2616.4	1027.9	669.6	581.9	553.8	572.9	603.3	620.1	614.5
3792.7	35°	3637.6	2826.5	1001.0	687.5	578.6	528.0	541.5	574.1	603.3	608.9
4293.7	37.5°	4073.5	3118.6	1008.8	695.4	568.4	506.7	513.4	541.5	579.7	597.7
4857.7	40°	4568.9	3459.0	1053.8	687.5	557.2	488.7	489.8	511.2	544.9	571.8
5464.3	42.5°	5080.1	3856.7	1136.9	658.3	547.1	473.0	469.6	484.2	506.7	525.8
6069.8	45°	5566.5	4265.6	1218.9	617.9	534.7	457.2	449.4	455.0	459.5	467.3
6659.6	47.5°	5991.2	4553.2	1195.3	580.8	517.9	439.3	425.8	423.5	410.0	408.9
7186.5	50°	6284.4	4616.1	1061.6	543.7	493.2	419.0	397.7	384.2	360.6	349.4
7580.8	52.5°	6377.6	4367.8	867.3	506.7	452.7	392.1	361.7	340.4	311.2	301.1
7807.8	55°	6254.1	3881.4	693.1	461.7	396.6	356.1	322.4	294.3	270.7	258.4
7832.5	57.5°	5951.9	3262.4	548.2	408.9	337.0	315.7	282.0	253.9	233.7	221.3
7558.4	60°	5450.8	2590.6	433.6	346.0	287.6	271.9	237.0	219.1	201.1	186.5
6850.6	62.5°	4690.3	1849.1	340.4	274.1	240.4	222.4	202.2	188.7	167.4	147.2
5577.8	65°	3660.1	1131.3	262.9	201.1	193.2	184.2	171.9	159.5	133.7	113.5
3638.8	67.5°	2308.6	535.9	187.6	151.7	152.8	148.3	142.7	132.6	113.5	95.5
1630.1	70°	1016.7	259.5	123.6	115.7	113.5	113.5	118.0	114.6	96.6	79.8
566.2	72.5°	346.0	139.3	92.1	87.6	82.0	80.9	98.9	95.5	77.5	61.8
282.0	75°	180.9	93.2	67.4	62.9	49.4	59.5	78.6	74.1	55.0	40.4
186.5	77.5°	118.0	66.3	46.1	40.4	28.1	39.3	58.4	51.7	32.6	20.2
122.5	80°	74.1	43.8	27.0	19.1	13.5	21.3	31.5	22.5	12.4	4.5
71.9	82.5°	39.3	22.5	10.1	6.7	5.6	6.7	7.9	5.6	2.2	0.0
37.1	85°	15.7	7.9	3.4	2.2	1.1	0.0	2.2	1.1	0.0	0.0
6.7	87.5°	5.6	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°
2222.1
2076.1
1737.9
1295.3
874.0
707.8
689.8
679.7
663.9
648.2
638.1
630.2
622.4
614.5
608.9
602.2
580.8
533.6
471.8
407.8
350.5
300.0
258.4
219.1
183.1
143.8
110.1
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