

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: P852610

Luminaire Tested: **GLAN-SB5A-835-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852610
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-SB5A-835-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 80 CRI, 3500K, 350mA 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: 14205 lumens
Efficiency: N/A
Efficacy: 100.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G3

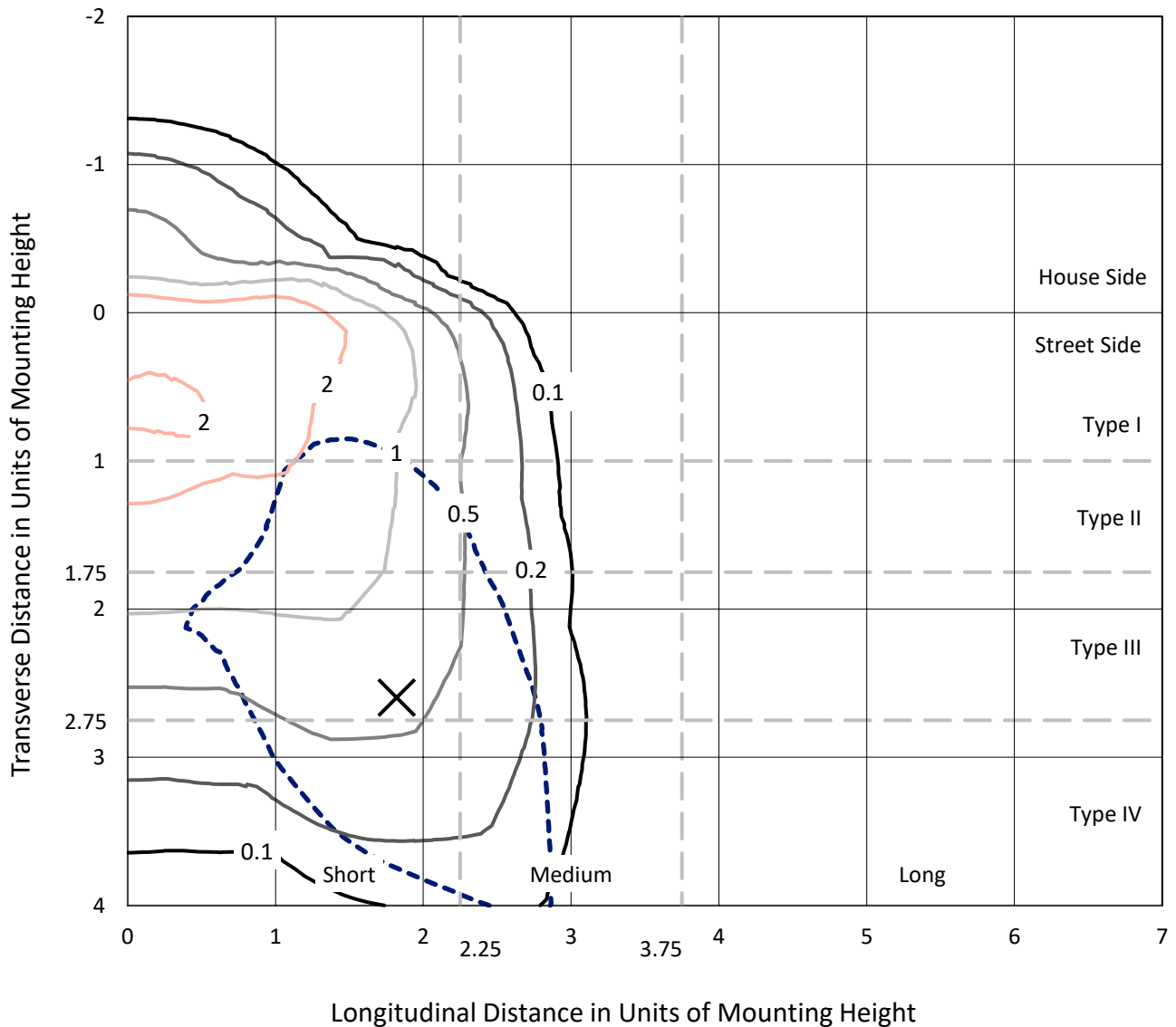
Input Watts (W): 141.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

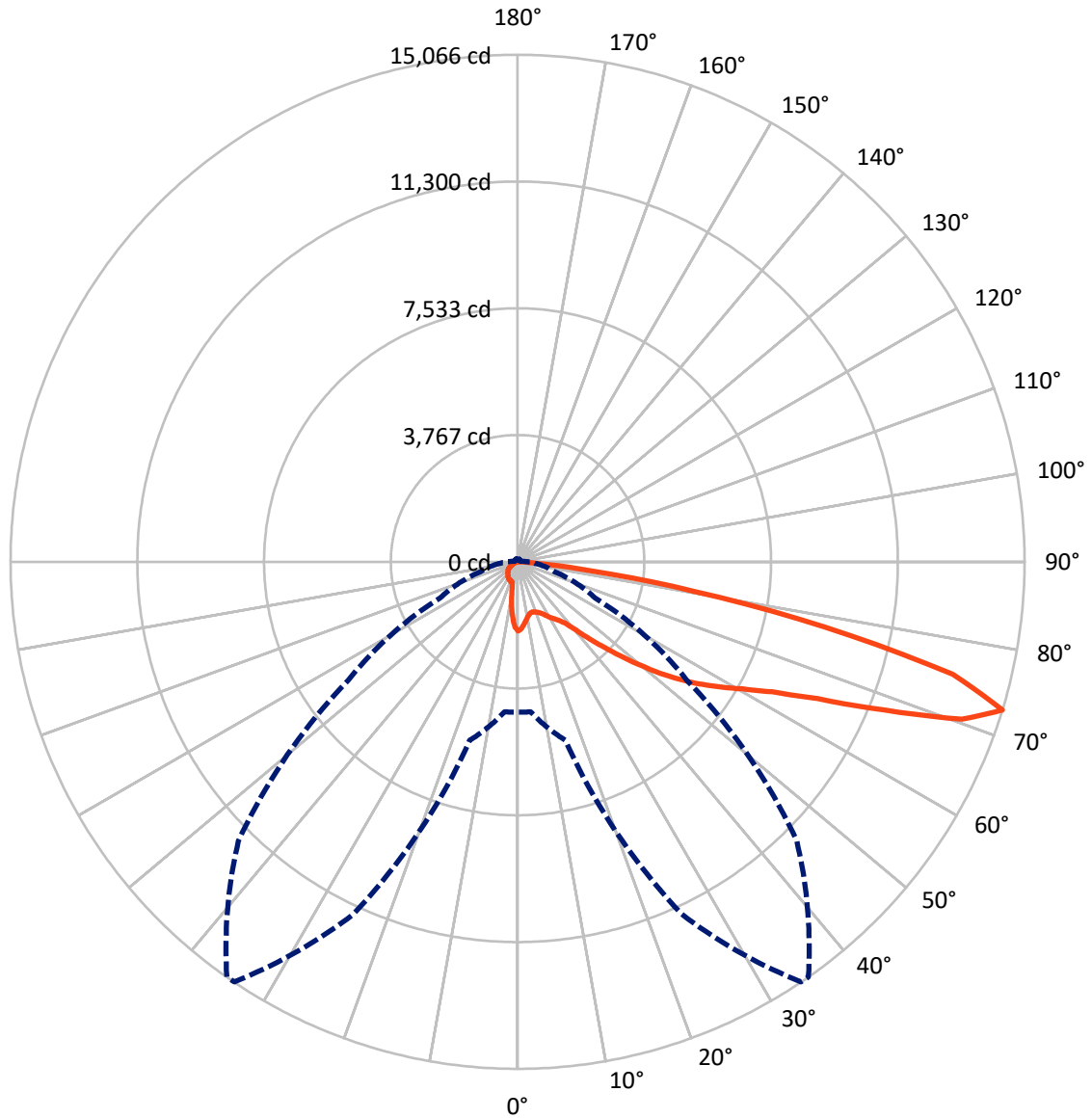
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.3 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	1598.7	0.0	1598.7
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	12606.3	0.0	12606.3
	% Fixture	88.7	0.0	88.7
Total	Lumens	14205.0	0.0	14205.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	169.2	1.2
10°-20°	395.8	2.8
20°-30°	642.9	4.5
30°-40°	1072.7	7.6
40°-50°	2029.6	14.3
50°-60°	3225.0	22.7
60°-70°	3989.5	28.1
70°-80°	2479.9	17.5
80°-90°	200.4	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°	14205.0	100.0
0°-180°	14205.0	100.0

Coefficient of Utilization



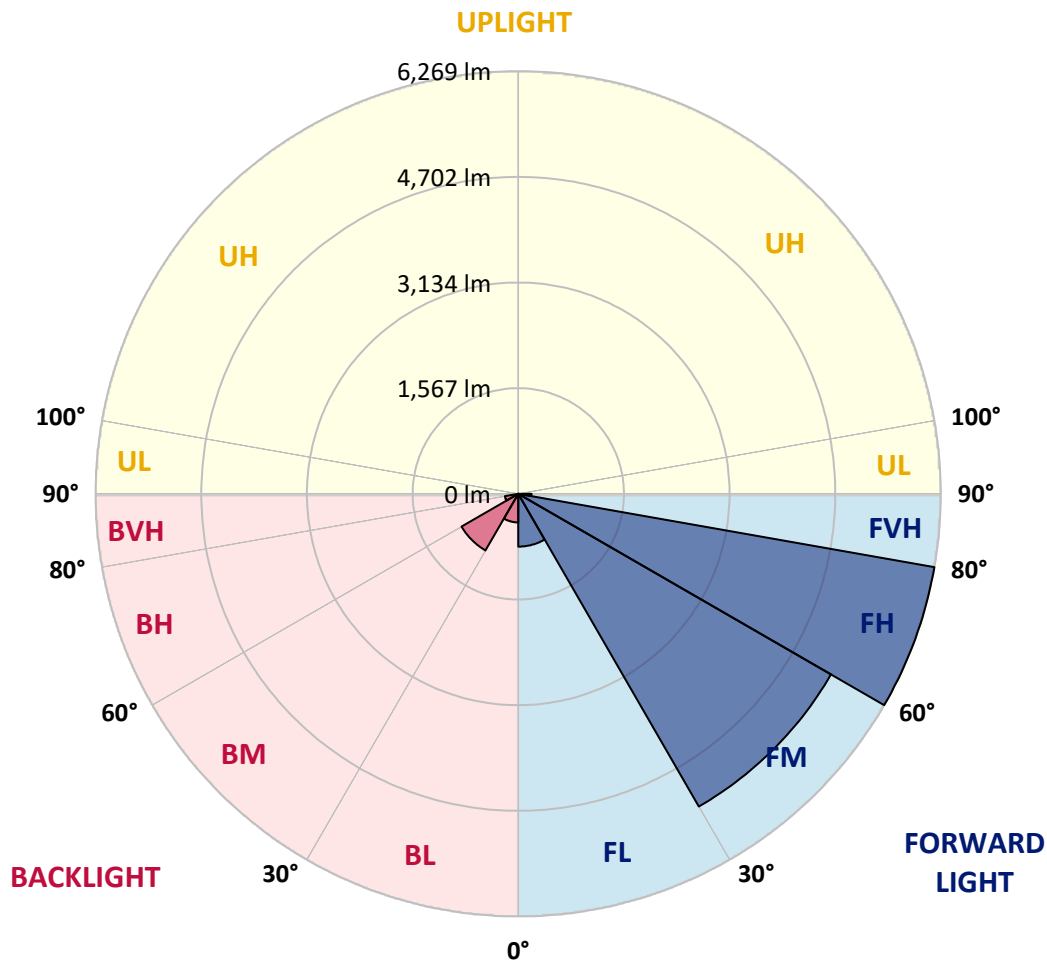
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	783.1	5.5			
FM	(30°-60°)	5356.7	37.7			
FH	(60°-80°)	6268.8	44.1			G3/7500
FVH	(80°-90°)	197.7	1.4			G2/225
BL	(0°-30°)	424.8	3.0	B1/500		
BM	(30°-60°)	970.6	6.8	B1/1000		
BH	(60°-80°)	200.6	1.4	B1/500		G1/500
BVH	(80°-90°)	2.7	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G3

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	2058.8	2058.8	2058.8	2058.8	2058.8	2058.8	2058.8	2058.8	2058.8	2058.8
2.5°	1967.2	1983.8	1987.0	1992.2	1992.2	1998.4	2008.8	2023.4	2047.3	2059.8
5°	1813.1	1825.6	1841.2	1853.7	1877.7	1880.8	1921.4	1960.9	2016.1	2057.7
7.5°	1658.1	1672.6	1693.4	1723.6	1754.9	1764.2	1825.6	1892.2	1979.7	2057.7
10°	1548.8	1549.8	1568.5	1598.7	1648.7	1660.1	1735.1	1829.8	1939.1	2045.2
12.5°	1487.4	1494.6	1503.0	1525.9	1573.7	1581.0	1661.2	1772.5	1898.5	2038.0
15°	1487.4	1492.6	1497.8	1509.2	1547.7	1554.0	1624.8	1736.1	1877.7	2041.1
17.5°	1503.0	1511.3	1507.1	1520.7	1561.3	1565.4	1627.9	1725.7	1876.6	2060.9
20°	1540.4	1546.7	1538.4	1546.7	1587.3	1595.6	1660.1	1745.5	1894.3	2095.2
22.5°	1599.8	1602.9	1583.1	1589.4	1631.0	1641.4	1716.3	1801.7	1937.0	2150.4
25°	1674.7	1681.0	1650.8	1658.1	1697.6	1710.1	1796.5	1886.0	2004.7	2226.4
27.5°	1761.1	1764.2	1738.2	1737.2	1788.2	1805.9	1893.3	1990.1	2095.2	2322.1
30°	1860.0	1869.3	1844.4	1840.2	1904.7	1919.3	2005.7	2118.1	2228.4	2465.7
32.5°	1938.0	1945.3	1930.8	1941.2	2006.7	2018.2	2142.0	2299.2	2437.6	2669.8
35°	2050.5	2054.6	2021.3	2040.0	2115.0	2144.1	2328.4	2553.2	2701.0	2925.8
37.5°	2457.4	2457.4	2315.9	2223.2	2295.1	2321.1	2583.4	2872.7	3025.7	3269.3
40°	3020.5	3011.1	2804.0	2614.6	2605.2	2656.2	2946.6	3275.5	3445.2	3681.4
42.5°	3621.1	3606.5	3324.4	3137.1	3105.9	3123.6	3366.1	3772.0	3944.8	4184.2
45°	4154.0	4149.8	3891.7	3639.8	3583.6	3639.8	3889.6	4352.8	4476.7	4728.5
47.5°	4600.5	4600.5	4412.1	4247.7	4218.5	4251.8	4598.4	4997.1	4985.6	5308.3
50°	5114.7	5110.5	4931.5	4860.7	4890.9	4937.7	5414.4	5675.7	5512.3	5877.6
52.5°	5474.8	5499.8	5438.4	5426.9	5581.0	5662.2	6243.0	6339.8	5983.8	6417.8
55°	5760.0	5789.1	5859.9	5940.1	6236.7	6342.9	7045.4	6969.5	6378.3	6886.2
57.5°	6163.9	6122.2	6231.5	6389.7	6869.5	6997.6	7823.0	7563.8	6695.7	7266.1
60°	6654.1	6660.3	6679.1	6878.9	7501.3	7665.8	8589.0	8125.8	6899.7	7499.2
62.5°	7243.2	7252.6	7291.1	7598.1	8349.6	8504.7	9405.0	8585.9	6993.4	7433.7
65°	7202.6	7242.2	7672.0	8722.2	9639.2	9792.2	10357.4	8908.5	6851.8	6834.2
67.5°	6561.5	6626.0	7345.2	10064.9	11583.5	11754.2	11508.6	8972.0	6240.9	5314.5
70°	5720.5	5743.4	6608.3	11272.3	13834.8	14007.6	12539.0	8273.6	4735.8	2964.3
72.5°	4467.3	4472.5	5487.3	11552.3	15056.8	15066.2	11730.3	6142.0	2546.9	1138.7
75°	3191.2	3160.0	3675.2	9368.6	13246.8	13352.9	8794.1	2881.0	973.2	538.1
77.5°	1711.1	1745.5	2079.6	5556.0	9151.1	9332.2	4798.3	830.6	495.4	366.4
80°	528.7	557.9	852.4	2543.8	5183.4	5292.7	1778.8	369.5	345.6	261.3
82.5°	166.5	172.8	397.6	1068.9	2151.4	2201.4	515.2	209.2	236.3	172.8
85°	47.9	48.9	176.9	398.6	531.9	542.3	144.7	81.2	135.3	107.2
87.5°	5.2	16.7	66.6	66.6	46.8	45.8	15.6	17.7	38.5	13.5
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°
2058.8	0°	2058.8	2058.8	2058.8	2058.8	2058.8	2058.8	2058.8	2058.8	2058.8	2058.8
2068.1	2.5°	2062.9	2064.0	2050.5	2027.6	2002.6	1981.8	1955.7	1934.9	1920.3	1916.2
2086.9	5°	2077.5	2070.2	2031.7	1962.0	1878.7	1806.9	1726.8	1663.3	1621.6	1603.9
2106.7	7.5°	2099.4	2078.6	1994.2	1856.9	1697.6	1556.1	1412.4	1301.0	1230.3	1194.9
2125.4	10°	2118.1	2076.5	1931.8	1704.9	1461.3	1246.9	1053.3	919.1	844.1	808.7
2147.3	12.5°	2135.8	2075.4	1850.6	1524.8	1194.9	932.6	752.5	685.9	665.1	657.8
2182.6	15°	2169.1	2078.6	1748.6	1318.7	929.5	704.6	639.1	638.0	642.2	640.1
2236.8	17.5°	2214.9	2081.7	1633.1	1100.2	717.1	621.4	618.3	627.6	633.9	630.7
2304.4	20°	2274.2	2094.2	1510.3	883.7	616.2	600.6	607.9	616.2	621.4	616.2
2395.0	22.5°	2357.5	2116.0	1376.0	709.9	583.9	588.1	594.3	603.7	608.9	601.6
2510.5	25°	2459.5	2150.4	1243.8	617.2	568.3	573.5	582.9	593.3	599.5	592.2
2656.2	27.5°	2591.7	2205.5	1122.0	596.4	552.7	555.8	569.3	585.0	593.3	583.9
2863.3	30°	2783.2	2296.1	1016.9	605.8	543.3	536.0	554.8	576.6	586.0	577.7
3145.4	32.5°	3037.2	2424.1	952.4	620.3	539.2	513.1	530.8	558.9	574.5	569.3
3513.9	35°	3370.2	2618.8	927.4	637.0	536.0	489.2	501.7	531.9	558.9	564.1
3978.1	37.5°	3774.1	2889.4	934.7	644.3	526.7	469.4	475.7	501.7	537.1	553.7
4500.6	40°	4233.1	3204.7	976.3	637.0	516.3	452.8	453.8	473.6	504.8	529.8
5062.6	42.5°	4706.7	3573.2	1053.3	609.9	506.9	438.2	435.1	448.6	469.4	487.1
5623.7	45°	5157.4	3952.1	1129.3	572.5	495.4	423.6	416.3	421.5	425.7	433.0
6170.1	47.5°	5550.8	4218.5	1107.5	538.1	479.8	407.0	394.5	392.4	379.9	378.9
6658.3	50°	5822.5	4276.8	983.6	503.8	456.9	388.2	368.5	356.0	334.1	323.7
7023.6	52.5°	5908.8	4046.8	803.5	469.4	419.5	363.3	335.2	315.4	288.3	278.9
7233.8	55°	5794.4	3596.1	642.2	427.8	367.4	329.9	298.7	272.7	250.8	239.4
7256.7	57.5°	5514.4	3022.6	507.9	378.9	312.3	292.5	261.3	235.2	216.5	205.0
7002.8	60°	5050.2	2400.2	401.8	320.6	266.5	251.9	219.6	203.0	186.3	172.8
6347.0	62.5°	4345.5	1713.2	315.4	254.0	222.7	206.1	187.4	174.9	155.1	136.3
5167.8	65°	3391.1	1048.1	243.6	186.3	179.0	170.7	159.2	147.8	123.9	105.1
3371.3	67.5°	2138.9	496.5	173.8	140.5	141.6	137.4	132.2	122.8	105.1	88.5
1510.3	70°	942.0	240.4	114.5	107.2	105.1	105.1	109.3	106.2	89.5	73.9
524.6	72.5°	320.6	129.1	85.3	81.2	76.0	74.9	91.6	88.5	71.8	57.2
261.3	75°	167.6	86.4	62.5	58.3	45.8	55.2	72.9	68.7	51.0	37.5
172.8	77.5°	109.3	61.4	42.7	37.5	26.0	36.4	54.1	47.9	30.2	18.7
113.5	80°	68.7	40.6	25.0	17.7	12.5	19.8	29.1	20.8	11.4	4.2
66.6	82.5°	36.4	20.8	9.4	6.2	5.2	6.2	7.3	5.2	2.1	0.0
34.3	85°	14.6	7.3	3.1	2.1	1.0	0.0	2.1	1.0	0.0	0.0
6.2	87.5°	5.2	1.0	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°
2058.8
1923.5
1610.2
1200.1
809.8
655.7
639.1
629.7
615.1
600.6
591.2
583.9
576.6
569.3
564.1
557.9
538.1
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