

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: P852594

Luminaire Tested: **GLAN-SB5A-727-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852594
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-727-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 2700K, 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: 15257 lumens
Efficiency: N/A
Efficacy: 107.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

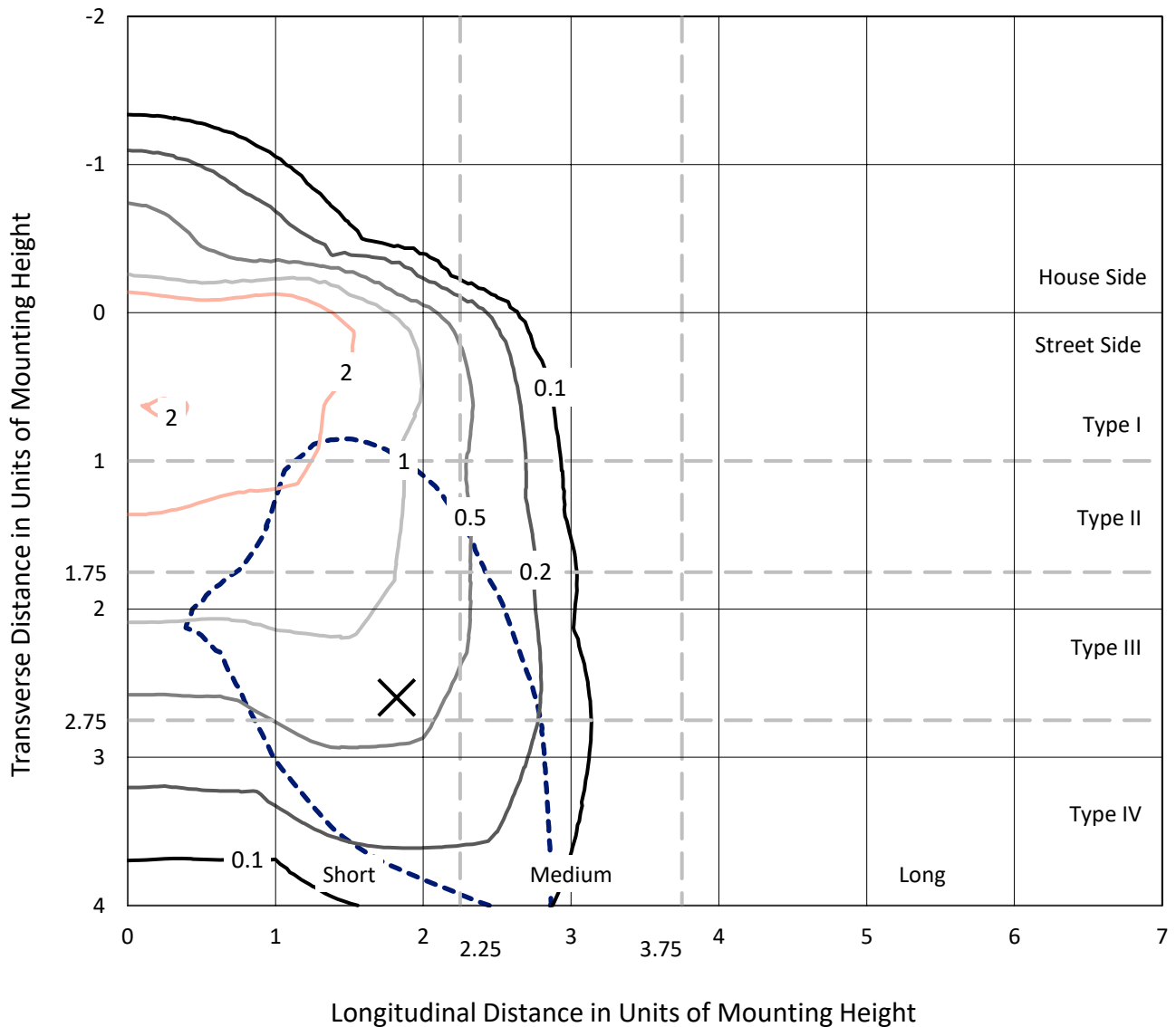
Input Watts (W): 141.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

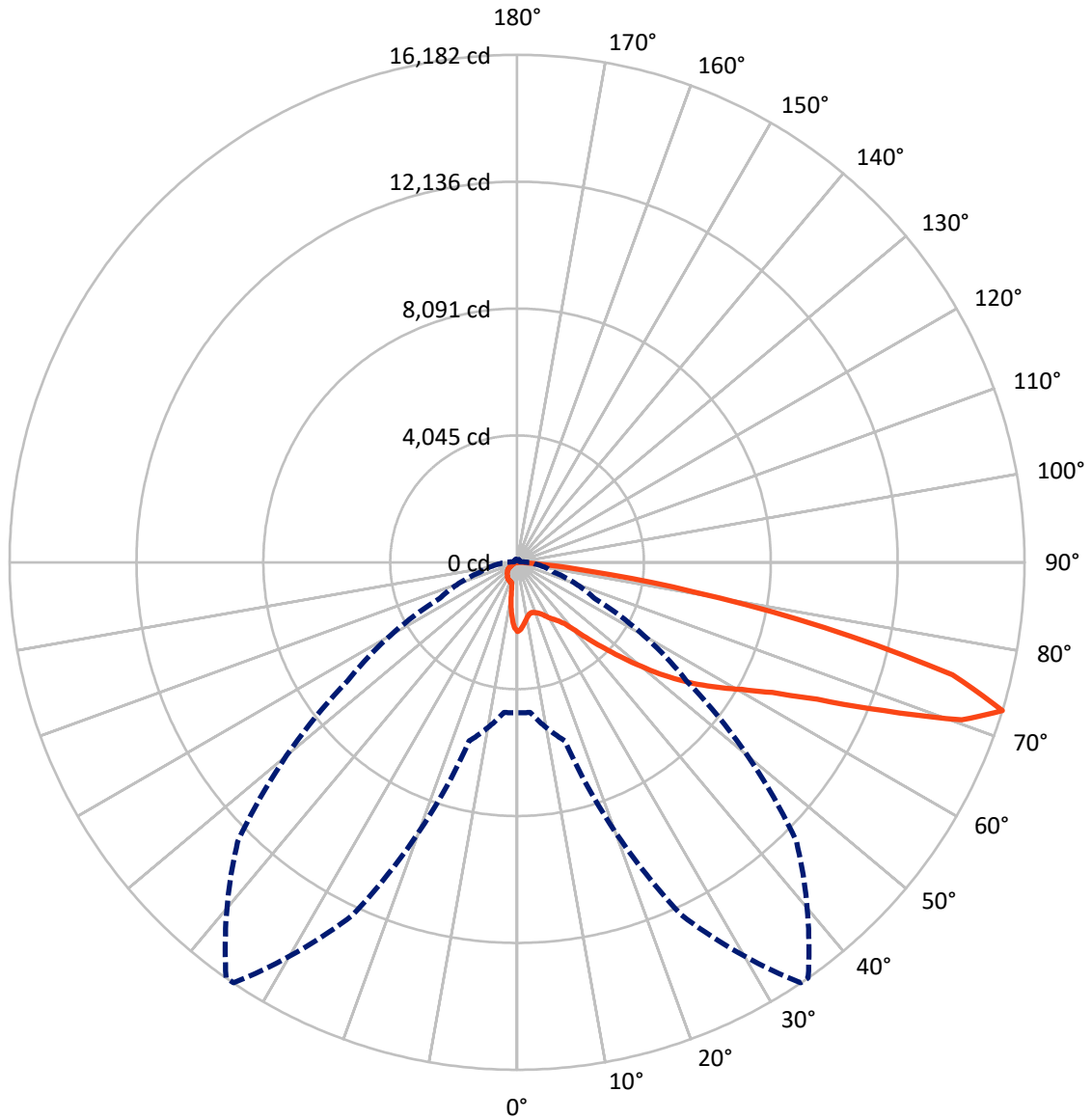
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.5 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	1717.1	0.0	1717.1
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	13539.9	0.0	13539.9
	% Fixture	88.7	0.0	88.7
Total	Lumens	15257.0	0.0	15257.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	181.7	1.2
10°-20°	425.1	2.8
20°-30°	690.5	4.5
30°-40°	1152.1	7.6
40°-50°	2179.9	14.3
50°-60°	3463.8	22.7
60°-70°	4285.0	28.1
70°-80°	2663.6	17.5
80°-90°	215.3	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°	15257.0	100.0
0°-180°	15257.0	100.0

Coefficient of Utilization



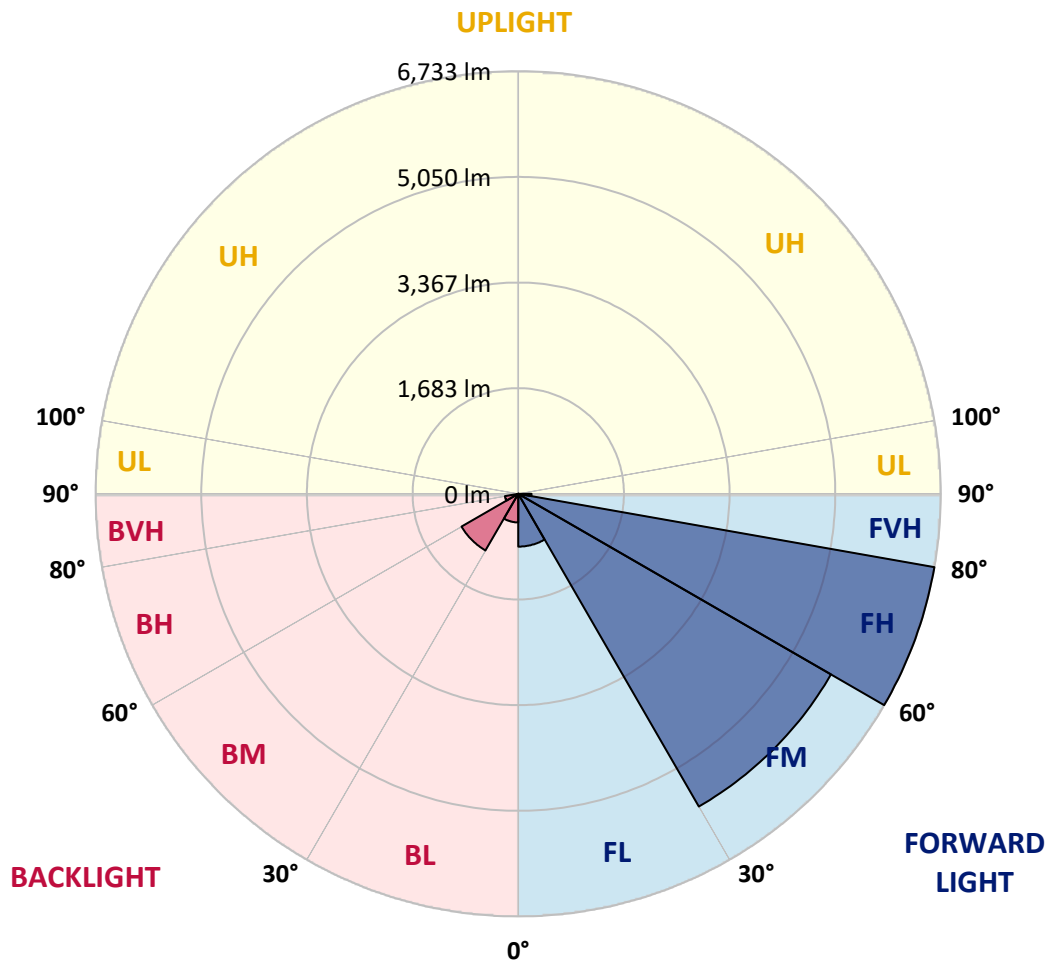
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	841.0	5.5			
FM	(30°-60°)	5753.4	37.7			
FH	(60°-80°)	6733.1	44.1			G3/7500
FVH	(80°-90°)	212.3	1.4			G2/225
BL	(0°-30°)	456.3	3.0	B1/500		
BM	(30°-60°)	1042.4	6.8	B2/2500		
BH	(60°-80°)	215.5	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°	2211.3	2211.3	2211.3	2211.3	2211.3	2211.3	2211.3	2211.3	2211.3	2211.3
2.5°	2112.9	2130.8	2134.1	2139.7	2139.7	2146.4	2157.6	2173.2	2199.0	2212.4
5°	1947.4	1960.8	1977.6	1991.0	2016.7	2020.1	2063.7	2106.2	2165.4	2210.1
7.5°	1780.9	1796.5	1818.9	1851.3	1884.8	1894.9	1960.8	2032.4	2126.3	2210.1
10°	1663.5	1664.6	1684.7	1717.1	1770.8	1783.1	1863.6	1965.3	2082.7	2196.7
12.5°	1597.5	1605.3	1614.3	1638.9	1690.3	1698.1	1784.2	1903.8	2039.1	2188.9
15°	1597.5	1603.1	1608.7	1621.0	1662.4	1669.1	1745.1	1864.7	2016.7	2192.2
17.5°	1614.3	1623.2	1618.8	1633.3	1676.9	1681.4	1748.4	1853.5	2015.6	2213.5
20°	1654.5	1661.2	1652.3	1661.2	1704.8	1713.8	1783.1	1874.8	2034.6	2250.4
22.5°	1718.2	1721.6	1700.4	1707.1	1751.8	1763.0	1843.5	1935.1	2080.5	2309.6
25°	1798.7	1805.4	1773.0	1780.9	1823.3	1836.7	1929.5	2025.7	2153.1	2391.2
27.5°	1891.5	1894.9	1866.9	1865.8	1920.6	1939.6	2033.5	2137.5	2250.4	2494.1
30°	1997.7	2007.8	1981.0	1976.5	2045.8	2061.4	2154.2	2275.0	2393.5	2648.4
32.5°	2081.6	2089.4	2073.7	2084.9	2155.4	2167.7	2300.7	2469.5	2618.2	2867.5
35°	2202.3	2206.8	2171.0	2191.1	2271.6	2302.9	2500.8	2742.3	2901.0	3142.5
37.5°	2639.4	2639.4	2487.4	2387.9	2465.0	2493.0	2774.7	3085.5	3249.8	3511.4
40°	3244.2	3234.1	3011.7	2808.2	2798.2	2852.9	3164.8	3518.1	3700.3	3954.1
42.5°	3889.3	3873.6	3570.6	3369.4	3335.9	3354.9	3615.4	4051.4	4236.9	4494.0
45°	4461.6	4457.2	4179.9	3909.4	3849.0	3909.4	4177.7	4675.2	4808.2	5078.7
47.5°	4941.2	4941.2	4738.9	4562.2	4530.9	4566.7	4939.0	5367.1	5354.8	5701.4
50°	5493.5	5489.0	5296.7	5220.7	5253.1	5303.4	5815.4	6096.0	5920.5	6312.9
52.5°	5880.3	5907.1	5841.1	5828.8	5994.3	6081.5	6705.3	6809.3	6426.9	6893.1
55°	6186.6	6217.9	6293.9	6380.0	6698.6	6812.6	7567.2	7485.6	6850.6	7396.2
57.5°	6620.3	6575.6	6693.0	6862.9	7378.3	7515.8	8402.3	8123.9	7191.6	7804.2
60°	7146.9	7153.6	7173.7	7388.4	8056.9	8233.5	9225.1	8727.6	7410.7	8054.6
62.5°	7779.6	7789.7	7831.0	8160.8	8968.0	9134.5	10101.5	9221.7	7511.3	7984.2
65°	7736.0	7778.5	8240.2	9368.2	10353.1	10517.4	11124.4	9568.3	7359.3	7340.3
67.5°	7047.4	7116.7	7889.2	10810.3	12441.4	12624.7	12360.9	9636.5	6703.1	5708.1
70°	6144.1	6168.7	7097.7	12107.1	14859.4	15045.0	13467.6	8886.4	5086.5	3183.8
72.5°	4798.1	4803.7	5893.7	12407.8	16171.9	16181.9	12599.0	6596.9	2735.6	1223.0
75°	3427.6	3394.0	3947.4	10062.4	14227.8	14341.8	9445.3	3094.4	1045.3	578.0
77.5°	1837.9	1874.8	2233.6	5967.5	9828.8	10023.3	5153.6	892.1	532.1	393.5
80°	567.9	599.2	915.6	2732.2	5567.3	5684.6	1910.5	396.9	371.2	280.6
82.5°	178.9	185.6	427.0	1148.1	2310.7	2364.4	553.4	224.7	253.8	185.6
85°	51.4	52.5	190.0	428.2	571.3	582.4	155.4	87.2	145.3	115.1
87.5°	5.6	17.9	71.5	71.5	50.3	49.2	16.8	19.0	41.4	14.5
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°
2211.3	0°	2211.3	2211.3	2211.3	2211.3	2211.3	2211.3	2211.3	2211.3	2211.3	2211.3
2221.3	2.5°	2215.7	2216.8	2202.3	2177.7	2150.9	2128.5	2100.6	2078.2	2062.6	2058.1
2241.4	5°	2231.4	2223.5	2182.2	2107.3	2017.9	1940.7	1854.6	1786.4	1741.7	1722.7
2262.7	7.5°	2254.8	2232.5	2141.9	1994.4	1823.3	1671.3	1517.0	1397.4	1321.4	1283.4
2282.8	10°	2275.0	2230.3	2074.9	1831.2	1569.6	1339.3	1131.3	987.1	906.6	868.6
2306.3	12.5°	2294.0	2229.1	1987.7	1637.8	1283.4	1001.7	808.3	736.7	714.4	706.5
2344.3	15°	2329.8	2232.5	1878.1	1416.4	998.3	756.8	686.4	685.3	689.8	687.5
2402.4	17.5°	2378.9	2235.8	1754.0	1181.6	770.2	667.4	664.0	674.1	680.8	677.5
2475.1	20°	2442.7	2249.3	1622.1	949.1	661.8	645.0	652.9	661.8	667.4	661.8
2572.3	22.5°	2532.1	2272.7	1477.9	762.4	627.2	631.6	638.3	648.4	654.0	646.2
2696.4	25°	2641.7	2309.6	1335.9	662.9	610.4	616.0	626.0	637.2	643.9	636.1
2852.9	27.5°	2783.6	2368.9	1205.1	640.6	593.6	597.0	611.5	628.3	637.2	627.2
3075.4	30°	2989.3	2466.1	1092.2	650.6	583.6	575.7	595.9	619.3	629.4	620.4
3378.4	32.5°	3262.1	2603.6	1022.9	666.3	579.1	551.1	570.1	600.3	617.1	611.5
3774.1	35°	3619.8	2812.7	996.1	684.2	575.7	525.4	538.8	571.3	600.3	605.9
4272.7	37.5°	4053.6	3103.4	1003.9	692.0	565.7	504.2	510.9	538.8	576.8	594.7
4833.9	40°	4546.6	3442.1	1048.6	684.2	554.5	486.3	487.4	508.7	542.2	569.0
5437.6	42.5°	5055.2	3837.8	1131.3	655.1	544.4	470.6	467.3	481.8	504.2	523.2
6040.1	45°	5539.3	4244.8	1212.9	614.9	532.1	455.0	447.2	452.8	457.2	465.1
6627.0	47.5°	5961.9	4530.9	1189.5	578.0	515.4	437.1	423.7	421.5	408.0	406.9
7151.4	50°	6253.7	4593.5	1056.4	541.1	490.8	417.0	395.7	382.3	358.9	347.7
7543.7	52.5°	6346.4	4346.5	863.0	504.2	450.5	390.2	360.0	338.7	309.7	299.6
7769.6	55°	6223.5	3862.4	689.8	459.5	394.6	354.4	320.8	292.9	269.4	257.1
7794.2	57.5°	5922.8	3246.4	545.5	406.9	335.4	314.1	280.6	252.7	232.5	220.2
7521.4	60°	5424.2	2577.9	431.5	344.3	286.2	270.5	235.9	218.0	200.1	185.6
6817.1	62.5°	4667.3	1840.1	338.7	272.8	239.2	221.3	201.2	187.8	166.6	146.4
5550.5	65°	3642.2	1125.7	261.6	200.1	192.3	183.3	171.0	158.7	133.0	112.9
3621.0	67.5°	2297.3	533.2	186.7	150.9	152.0	147.6	142.0	131.9	112.9	95.0
1622.1	70°	1011.7	258.2	123.0	115.1	112.9	112.9	117.4	114.0	96.1	79.4
563.4	72.5°	344.3	138.6	91.7	87.2	81.6	80.5	98.4	95.0	77.1	61.5
280.6	75°	180.0	92.8	67.1	62.6	49.2	59.2	78.3	73.8	54.8	40.2
185.6	77.5°	117.4	66.0	45.8	40.2	27.9	39.1	58.1	51.4	32.4	20.1
121.9	80°	73.8	43.6	26.8	19.0	13.4	21.2	31.3	22.4	12.3	4.5
71.5	82.5°	39.1	22.4	10.1	6.7	5.6	6.7	7.8	5.6	2.2	0.0
36.9	85°	15.7	7.8	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°
2211.3
2065.9
1729.4
1289.0
869.7
704.3
686.4
676.3
660.7
645.0
635.0
627.2
619.3
611.5
605.9
599.2
578.0
531.0
469.5
405.8
348.8
298.5
257.1
218.0
182.2
143.1
109.6
92.8
76.0
58.1
36.9
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