

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: P852408

Luminaire Tested: **GLAN-SB3C-840-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852408
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-SB3C-840-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 80 CRI, 4000K, 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: 15130 lumens
Efficiency: N/A
Efficacy: 101.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

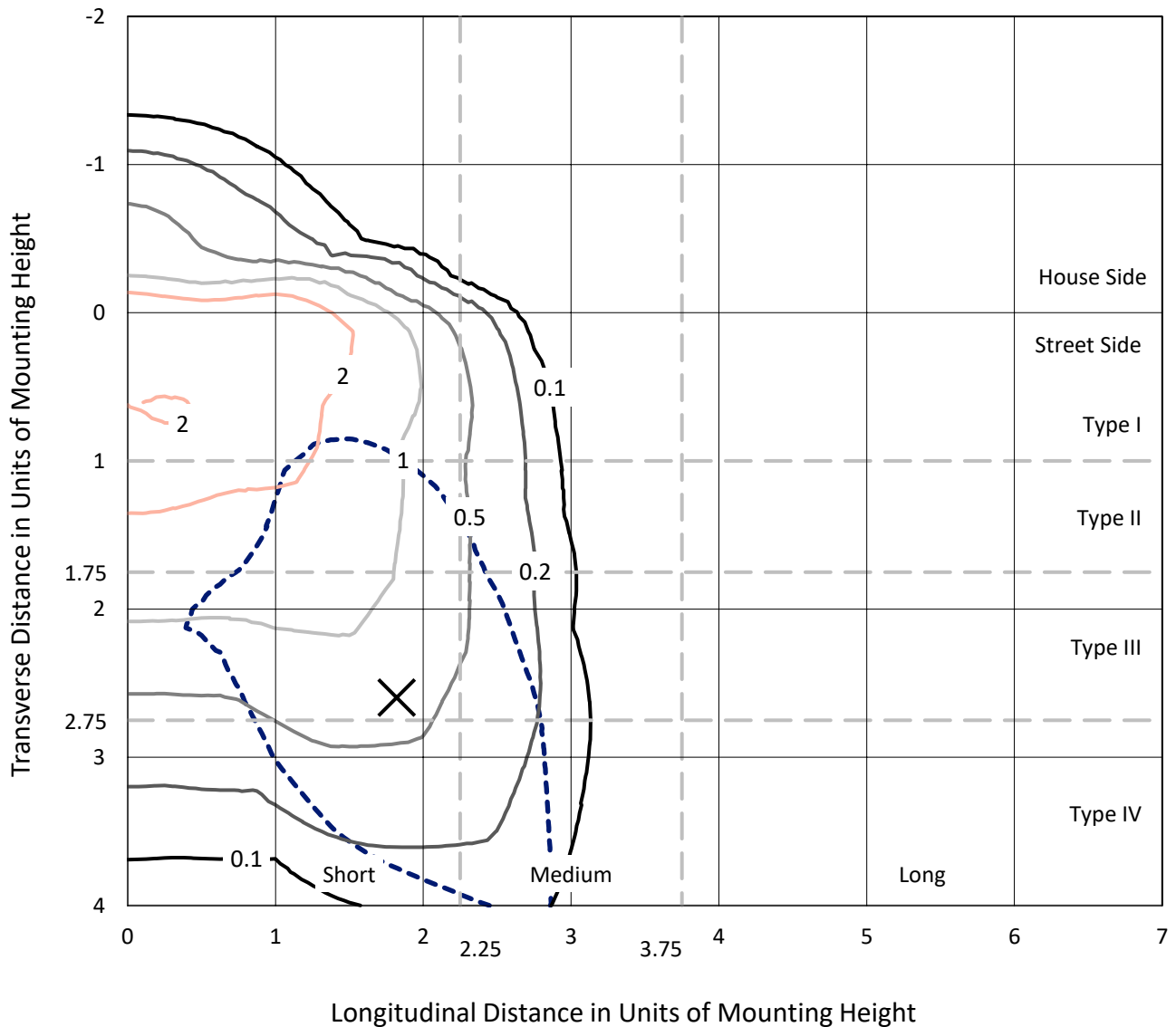
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

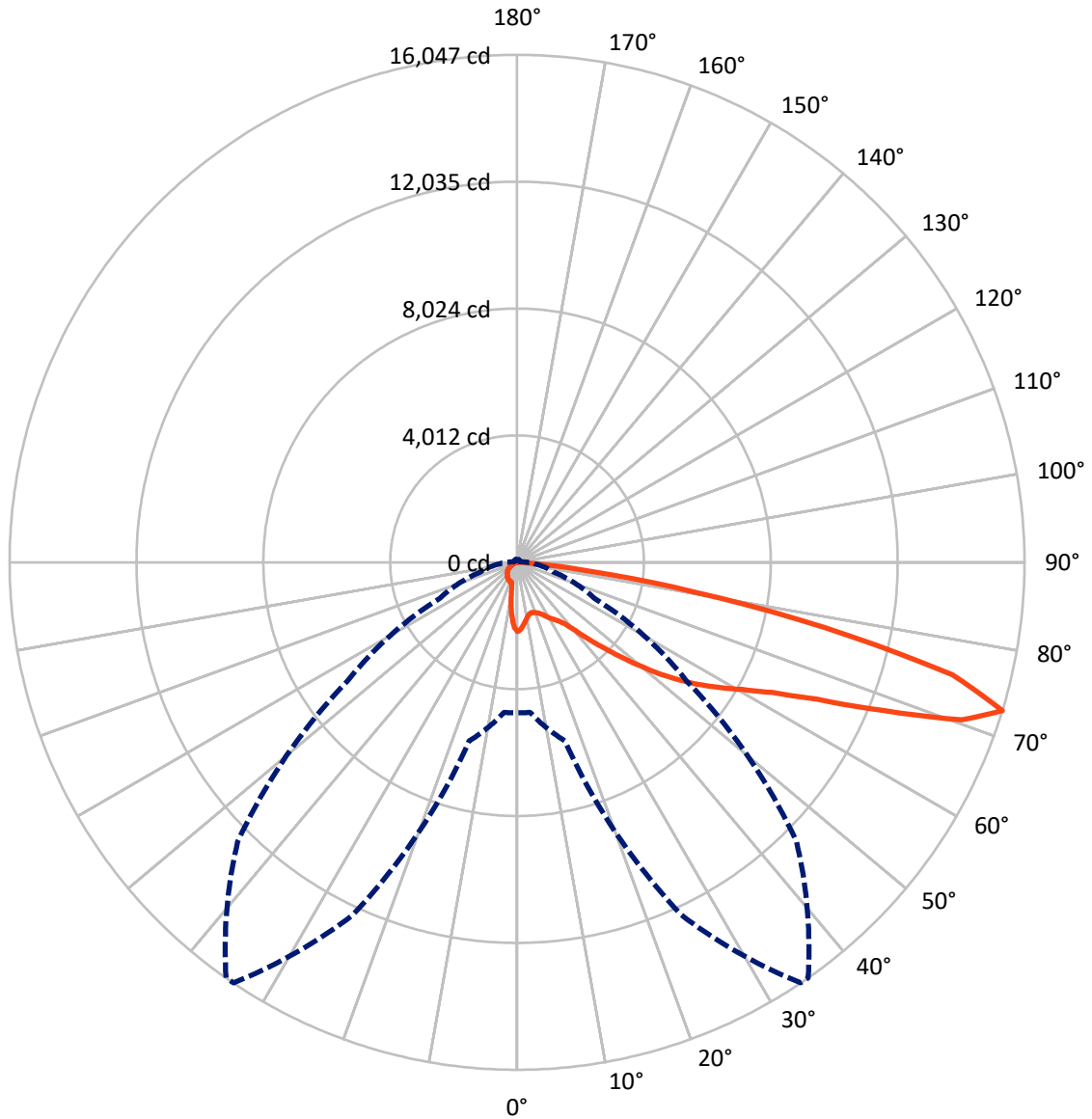
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 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	1702.8	0.0	1702.8
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	13427.2	0.0	13427.2
	% Fixture	88.7	0.0	88.7
Total	Lumens	15130.0	0.0	15130.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	180.2	1.2
10°-20°	421.5	2.8
20°-30°	684.8	4.5
30°-40°	1142.5	7.6
40°-50°	2161.7	14.3
50°-60°	3435.0	22.7
60°-70°	4249.3	28.1
70°-80°	2641.4	17.5
80°-90°	213.5	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°	15130.0	100.0
0°-180°	15130.0	100.0

Coefficient of Utilization

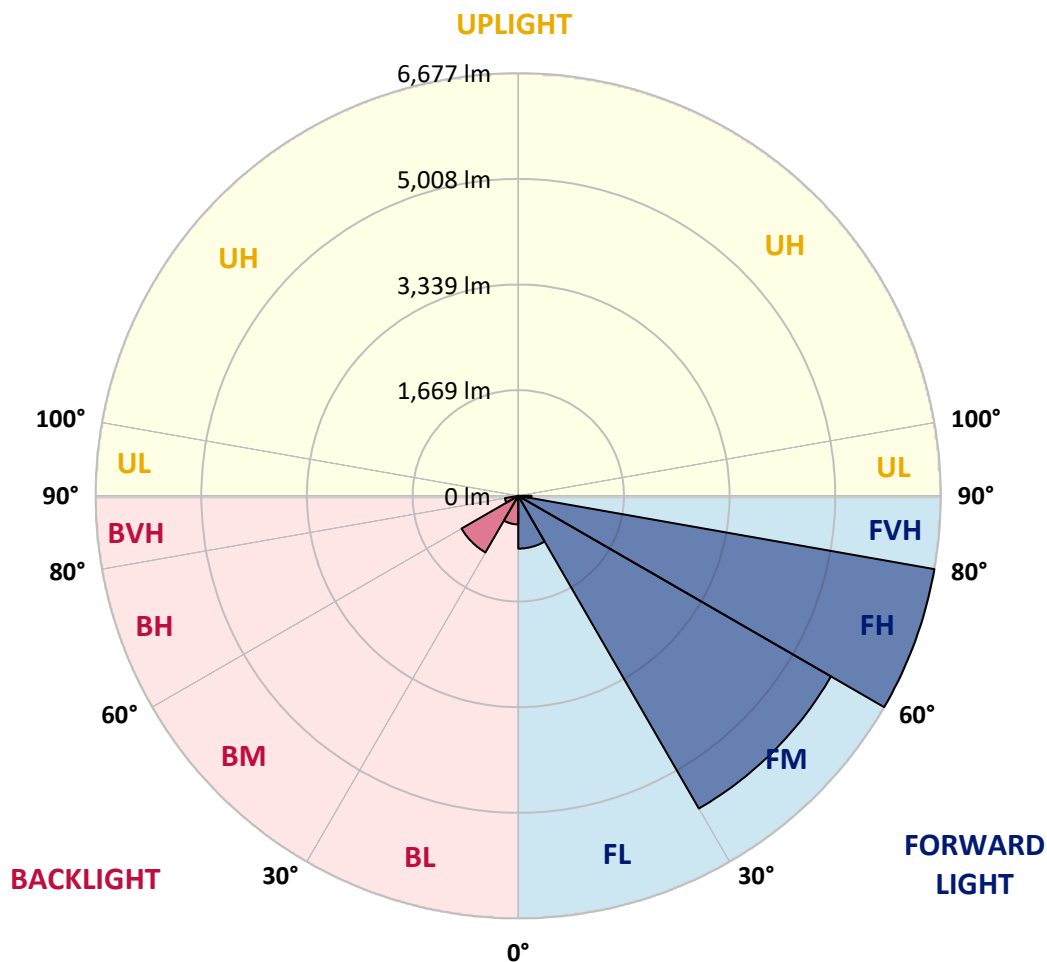


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	834.0	5.5			
FM (30°-60°)	5705.5	37.7			
FH (60°-80°)	6677.1	44.1			G3/7500
FVH (80°-90°)	210.6	1.4			G2/225
BL (0°-30°)	452.5	3.0	B1/500		
BM (30°-60°)	1033.8	6.8	B2/2500		
BH (60°-80°)	213.7	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°	2192.8	2192.8	2192.8	2192.8	2192.8	2192.8	2192.8	2192.8	2192.8	2192.8
2.5°	2095.3	2113.0	2116.3	2121.9	2121.9	2128.5	2139.6	2155.2	2180.6	2194.0
5°	1931.2	1944.5	1961.1	1974.4	1999.9	2003.3	2046.5	2088.6	2147.4	2191.7
7.5°	1766.0	1781.5	1803.7	1835.9	1869.1	1879.1	1944.5	2015.5	2108.6	2191.7
10°	1649.6	1650.7	1670.7	1702.8	1756.0	1768.2	1848.1	1948.9	2065.4	2178.4
12.5°	1584.2	1592.0	1600.8	1625.2	1676.2	1684.0	1769.4	1888.0	2022.1	2170.7
15°	1584.2	1589.8	1595.3	1607.5	1648.5	1655.2	1730.6	1849.2	1999.9	2174.0
17.5°	1600.8	1609.7	1605.3	1619.7	1662.9	1667.4	1733.9	1838.1	1998.8	2195.1
20°	1640.8	1647.4	1638.5	1647.4	1690.6	1699.5	1768.2	1859.2	2017.7	2231.6
22.5°	1703.9	1707.3	1686.2	1692.9	1737.2	1748.3	1828.1	1919.0	2063.1	2290.4
25°	1783.8	1790.4	1758.3	1766.0	1808.2	1821.5	1913.5	2008.8	2135.2	2371.3
27.5°	1875.8	1879.1	1851.4	1850.3	1904.6	1923.5	2016.6	2119.7	2231.6	2473.3
30°	1981.1	1991.1	1964.5	1960.0	2028.8	2044.3	2136.3	2256.0	2373.5	2626.3
32.5°	2064.2	2072.0	2056.5	2067.6	2137.4	2149.6	2281.5	2448.9	2596.4	2843.6
35°	2184.0	2188.4	2152.9	2172.9	2252.7	2283.8	2480.0	2719.4	2876.9	3116.3
37.5°	2617.4	2617.4	2466.7	2368.0	2444.5	2472.2	2751.6	3059.8	3222.7	3482.2
40°	3217.2	3207.2	2986.6	2784.8	2774.9	2829.2	3138.5	3488.8	3669.5	3921.2
42.5°	3856.9	3841.4	3540.9	3341.4	3308.1	3327.0	3585.3	4017.6	4201.7	4456.6
45°	4424.5	4420.1	4145.1	3876.8	3817.0	3876.8	4142.9	4636.2	4768.2	5036.4
47.5°	4900.1	4900.1	4699.4	4524.3	4493.2	4528.7	4897.9	5322.5	5310.3	5653.9
50°	5447.7	5443.3	5252.6	5177.2	5209.4	5259.3	5767.0	6045.3	5871.2	6260.4
52.5°	5831.3	5857.9	5792.5	5780.3	5944.4	6030.9	6649.5	6752.6	6373.4	6835.7
55°	6135.1	6166.1	6241.5	6326.9	6642.8	6755.9	7504.2	7423.3	6793.6	7334.6
57.5°	6565.2	6520.9	6637.3	6805.8	7316.9	7453.2	8332.4	8056.3	7131.7	7739.3
60°	7087.4	7094.0	7114.0	7326.8	7989.8	8165.0	9148.3	8655.0	7349.0	7987.6
62.5°	7714.9	7724.8	7765.9	8092.9	8893.3	9058.5	10017.5	9145.0	7448.8	7917.7
65°	7671.6	7713.8	8171.6	9290.2	10266.9	10429.9	11031.8	9488.7	7298.0	7279.2
67.5°	6988.7	7057.5	7823.5	10720.3	12337.8	12519.6	12258.0	9556.3	6647.3	5660.6
70°	6093.0	6117.3	7038.6	12006.3	14735.7	14919.8	13355.5	8812.4	5044.2	3157.3
72.5°	4758.2	4763.7	5844.6	12304.5	16037.3	16047.2	12494.1	6541.9	2712.8	1212.8
75°	3399.0	3365.8	3914.5	9978.7	14109.4	14222.4	9366.7	3068.7	1036.6	573.2
77.5°	1822.6	1859.2	2215.0	5917.8	9747.0	9939.9	5110.7	884.7	527.7	390.2
80°	563.2	594.2	908.0	2709.5	5520.9	5637.3	1894.6	393.6	368.1	278.3
82.5°	177.4	184.0	423.5	1138.5	2291.5	2344.7	548.8	222.8	251.7	184.0
85°	51.0	52.1	188.5	424.6	566.5	577.6	154.1	86.5	144.1	114.2
87.5°	5.5	17.7	71.0	71.0	49.9	48.8	16.6	18.8	41.0	14.4
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°
2192.8	0°	2192.8	2192.8	2192.8	2192.8	2192.8	2192.8	2192.8	2192.8	2192.8	2192.8
2202.8	2.5°	2197.3	2198.4	2184.0	2159.6	2133.0	2110.8	2083.1	2060.9	2045.4	2041.0
2222.8	5°	2212.8	2205.0	2164.0	2089.7	2001.1	1924.6	1839.2	1771.6	1727.2	1708.4
2243.8	7.5°	2236.1	2213.9	2124.1	1977.8	1808.2	1657.4	1504.4	1385.8	1310.4	1272.7
2263.8	10°	2256.0	2211.7	2057.6	1815.9	1556.5	1328.1	1121.9	978.9	899.1	861.4
2287.1	12.5°	2274.9	2210.6	1971.1	1624.1	1272.7	993.3	801.5	730.6	708.4	700.6
2324.8	15°	2310.4	2213.9	1862.5	1404.6	990.0	750.5	680.7	679.6	684.0	681.8
2382.4	17.5°	2359.1	2217.2	1739.4	1171.8	763.8	661.8	658.5	668.5	675.1	671.8
2454.5	20°	2422.3	2230.5	1608.6	941.2	656.3	639.7	647.4	656.3	661.8	656.3
2550.9	22.5°	2511.0	2253.8	1465.6	756.1	621.9	626.4	633.0	643.0	648.5	640.8
2674.0	25°	2619.7	2290.4	1324.8	657.4	605.3	610.8	620.8	631.9	638.6	630.8
2829.2	27.5°	2760.5	2349.2	1195.1	635.2	588.7	592.0	606.4	623.0	631.9	621.9
3049.8	30°	2964.4	2445.6	1083.1	645.2	578.7	570.9	590.9	614.2	624.2	615.3
3350.2	32.5°	3234.9	2582.0	1014.4	660.7	574.3	546.5	565.4	595.3	612.0	606.4
3742.7	35°	3589.7	2789.3	987.8	678.5	570.9	521.0	534.4	566.5	595.3	600.9
4237.1	37.5°	4019.8	3077.5	995.5	686.2	561.0	500.0	506.6	534.4	572.0	589.8
4793.7	40°	4508.7	3413.4	1039.9	678.5	549.9	482.2	483.4	504.4	537.7	564.3
5392.3	42.5°	5013.2	3805.9	1121.9	649.6	539.9	466.7	463.4	477.8	500.0	518.8
5989.9	45°	5493.2	4209.4	1202.8	609.7	527.7	451.2	443.4	449.0	453.4	461.2
6571.9	47.5°	5912.3	4493.2	1179.6	573.2	511.1	433.5	420.2	417.9	404.6	403.5
7091.8	50°	6201.6	4555.3	1047.6	536.6	486.7	413.5	392.5	379.1	355.9	344.8
7480.9	52.5°	6293.6	4310.3	855.9	500.0	446.8	386.9	357.0	335.9	307.1	297.1
7704.9	55°	6171.7	3830.3	684.0	455.6	391.3	351.4	318.2	290.5	267.2	255.0
7729.3	57.5°	5873.5	3219.4	541.0	403.5	332.6	311.5	278.3	250.5	230.6	218.4
7458.8	60°	5379.0	2556.5	427.9	341.5	283.8	268.3	233.9	216.2	198.4	184.0
6760.3	62.5°	4628.5	1824.8	335.9	270.5	237.2	219.5	199.6	186.2	165.2	145.2
5504.3	65°	3611.9	1116.4	259.4	198.4	190.7	181.8	169.6	157.4	131.9	112.0
3590.8	67.5°	2278.2	528.8	185.1	149.7	150.8	146.3	140.8	130.8	112.0	94.2
1608.6	70°	1003.3	256.1	121.9	114.2	112.0	112.0	116.4	113.1	95.3	78.7
558.7	72.5°	341.5	137.5	90.9	86.5	80.9	79.8	97.6	94.2	76.5	61.0
278.3	75°	178.5	92.0	66.5	62.1	48.8	58.8	77.6	73.2	54.3	39.9
184.0	77.5°	116.4	65.4	45.5	39.9	27.7	38.8	57.6	51.0	32.1	20.0
120.8	80°	73.2	43.2	26.6	18.8	13.3	21.1	31.0	22.2	12.2	4.4
71.0	82.5°	38.8	22.2	10.0	6.7	5.5	6.7	7.8	5.5	2.2	0.0
36.6	85°	15.5	7.8	3.3	2.2	1.1	0.0	2.2	1.1	0.0	0.0
6.7	87.5°	5.5	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°
2192.8
2048.7
1715.0
1278.2
862.5
698.4
680.7
670.7
655.2
639.7
629.7
621.9
614.2
606.4
600.9
594.2
573.2
526.6
465.6
402.4
345.9
296.0
255.0
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