

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: P847407

Luminaire Tested: **GLAN-SB3C-727-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847407
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB3C-727-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15672 lumens
Efficiency: N/A
Efficacy: 105.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

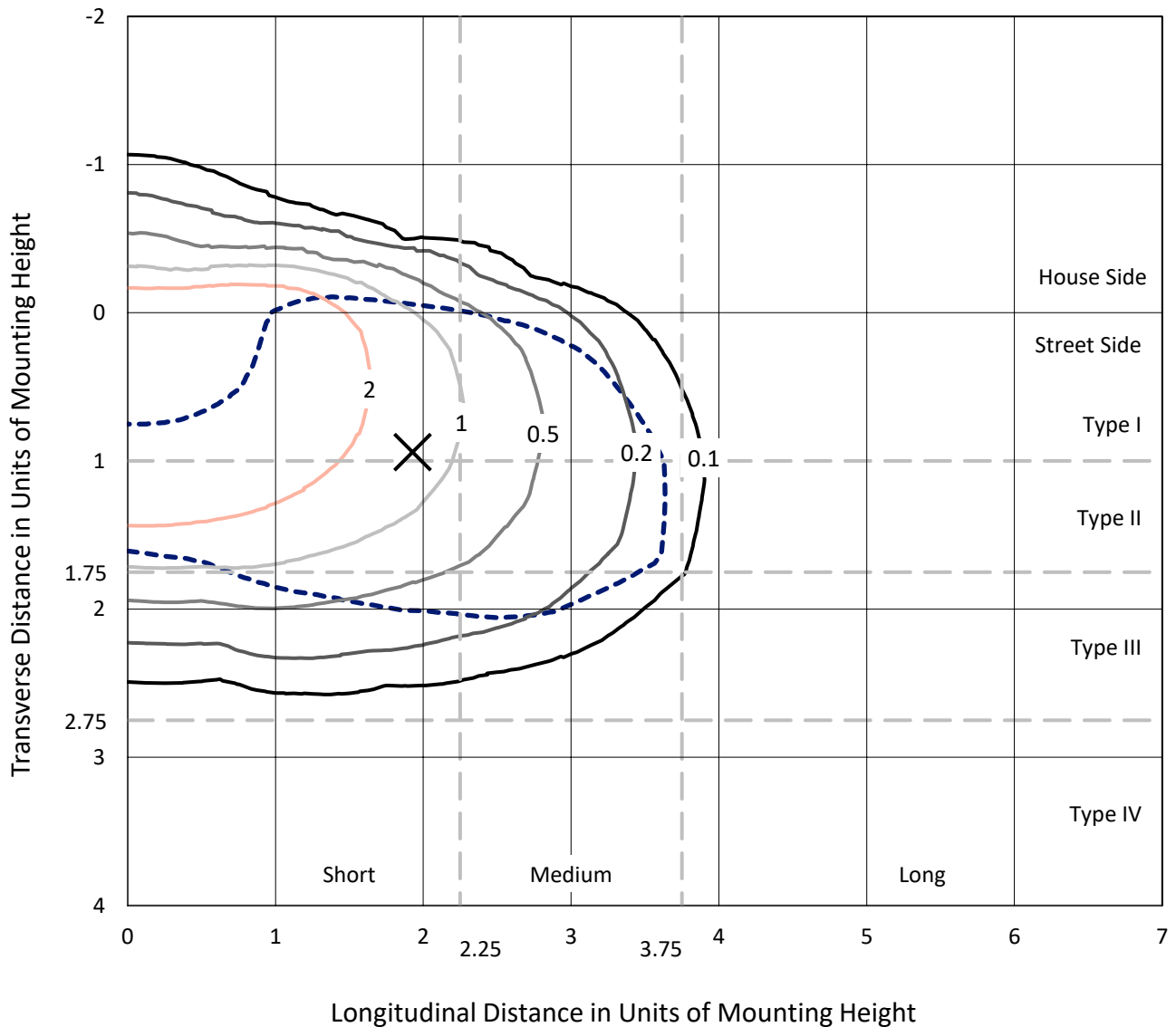
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

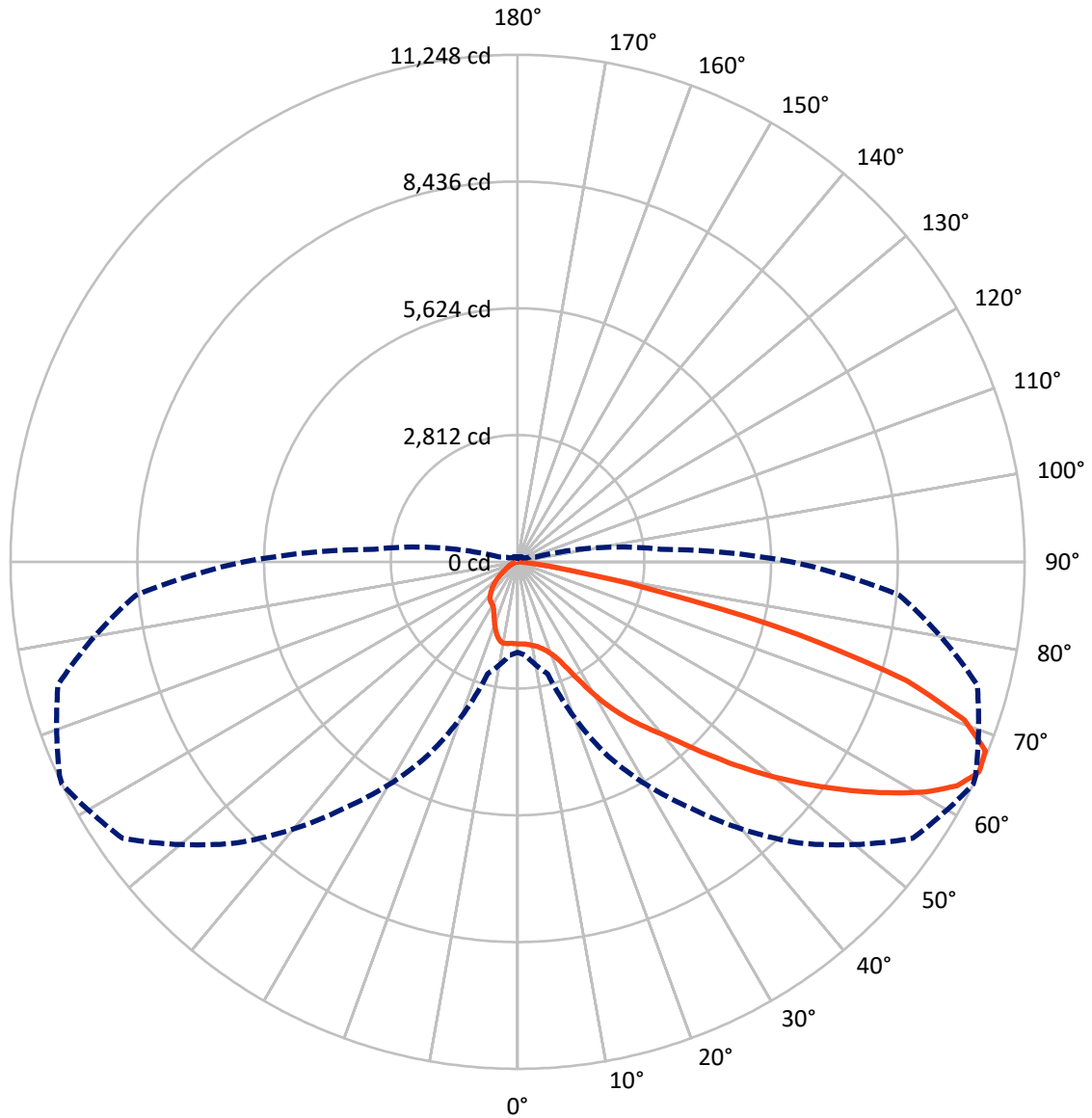
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.6 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2095.8	0.0	2095.8
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	13576.2	0.0	13576.2
	% Fixture	86.6	0.0	86.6
Total	Lumens	15672.0	0.0	15672.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	168.2	1.1
10°-20°	456.1	2.9
20°-30°	864.3	5.5
30°-40°	1749.0	11.2
40°-50°	2979.4	19.0
50°-60°	4051.8	25.9
60°-70°	3804.9	24.3
70°-80°	1524.4	9.7
80°-90°	73.9	0.5
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°	15672.0	100.0
0°-180°	15672.0	100.0

Coefficient of Utilization



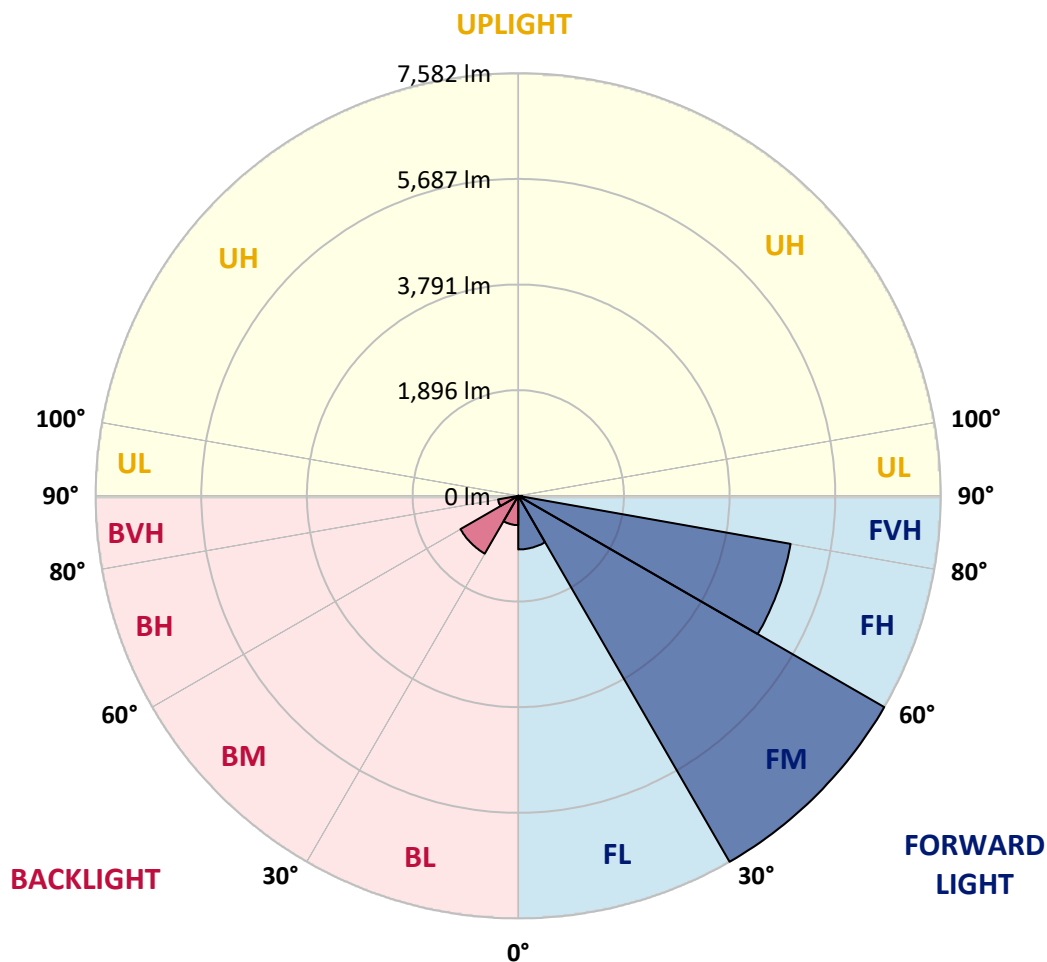
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	962.4	6.1			
FM (30°-60°)	7582.1	48.4			
FH (60°-80°)	4961.4	31.7			G2/5000
FVH (80°-90°)	70.2	0.4			G1/100
BL (0°-30°)	526.2	3.4	B2/1000		
BM (30°-60°)	1198.2	7.6	B2/2500		
BH (60°-80°)	367.8	2.3	B1/500		G1/500
BVH (80°-90°)	3.6	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-G2

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	1822.8	1822.8	1822.8	1822.8	1822.8	1822.8	1822.8	1822.8	1822.8	1822.8
2.5°	1816.5	1829.1	1826.0	1822.8	1821.8	1823.9	1824.9	1823.9	1823.9	1823.9
5°	1781.8	1792.3	1792.3	1799.7	1810.2	1822.8	1832.3	1834.4	1836.5	1839.6
7.5°	1715.7	1724.1	1730.4	1754.5	1780.8	1814.4	1842.8	1857.5	1859.6	1871.1
10°	1670.5	1681.0	1691.5	1716.7	1754.5	1805.0	1853.3	1889.0	1894.3	1921.6
12.5°	1668.4	1678.9	1692.5	1719.9	1764.0	1817.6	1876.4	1927.9	1937.3	1977.3
15°	1690.4	1703.0	1715.7	1749.3	1796.6	1861.7	1924.7	1988.8	1998.3	2055.0
17.5°	1735.6	1752.4	1761.9	1795.5	1845.9	1918.4	2001.4	2075.0	2083.4	2149.6
20°	1824.9	1844.9	1848.0	1875.3	1924.7	2002.5	2101.2	2192.6	2203.1	2278.8
22.5°	2009.8	2038.2	2013.0	2026.6	2070.8	2148.5	2255.7	2371.2	2385.9	2472.1
25°	2335.5	2375.4	2310.3	2287.2	2306.1	2387.0	2521.5	2667.5	2684.3	2753.7
27.5°	2975.3	2923.9	2825.1	2728.4	2671.7	2717.9	2869.2	3049.9	3070.9	3138.2
30°	3678.2	3633.0	3499.6	3285.3	3150.8	3143.4	3283.2	3484.9	3509.1	3573.1
32.5°	4382.1	4339.0	4194.1	3930.3	3697.1	3581.5	3678.2	3902.0	3914.6	3955.6
35°	5074.5	5030.3	4885.4	4615.3	4328.5	4065.9	4047.0	4299.1	4303.3	4346.4
37.5°	5771.0	5734.3	5579.8	5315.1	5032.4	4670.0	4494.5	4675.2	4680.5	4722.5
40°	6268.0	6283.7	6177.6	5972.7	5730.1	5334.0	4996.7	5075.5	5044.0	5114.4
42.5°	6694.5	6726.0	6633.6	6530.6	6389.8	6041.0	5618.7	5605.0	5554.6	5592.4
45°	7063.3	7089.5	7006.5	6982.4	6979.2	6734.4	6298.4	6216.5	6146.1	6138.7
47.5°	7198.8	7249.2	7285.0	7365.9	7523.5	7420.5	7001.3	6874.2	6795.4	6737.6
50°	7250.3	7303.9	7425.7	7661.1	8034.0	8078.2	7701.0	7558.1	7461.5	7356.4
52.5°	7181.0	7276.6	7440.5	7836.5	8377.6	8605.6	8372.3	8247.3	8137.0	7965.8
55°	6772.3	6867.9	7203.0	7834.4	8548.9	8975.4	9006.9	8951.2	8827.3	8557.3
57.5°	5910.8	6052.6	6583.2	7567.6	8545.7	9293.7	9628.9	9668.8	9530.1	9143.5
60°	4717.3	4909.5	5556.7	6976.1	8282.0	9466.0	10174.2	10373.8	10226.7	9721.3
62.5°	3291.6	3514.3	4126.8	6049.4	7678.9	9342.1	10572.3	10941.1	10829.7	10238.2
65°	2007.7	2079.2	2573.0	4760.3	6653.5	8823.1	10695.3	11247.9	11211.1	10554.5
67.5°	1337.4	1397.3	1539.2	3264.3	5164.8	7786.1	10401.1	11194.3	11204.8	10503.0
70°	805.8	857.3	949.8	1898.5	3347.3	6162.9	9490.2	10511.4	10572.3	9814.8
72.5°	332.0	366.7	450.7	860.5	1733.5	3911.4	7557.1	9024.8	9166.6	8252.6
75°	188.1	205.9	264.8	431.8	752.2	1822.8	4577.5	6406.6	6615.7	5688.0
77.5°	125.0	133.4	171.3	279.5	423.4	622.0	1956.2	3337.8	3737.0	3106.7
80°	84.0	91.4	117.7	187.0	275.3	266.9	623.0	1236.6	1521.3	1067.4
82.5°	56.7	57.8	84.0	122.9	174.4	129.2	183.9	384.5	483.3	308.9
85°	32.6	31.5	62.0	71.4	77.7	53.6	55.7	115.6	151.3	130.3
87.5°	4.2	6.3	24.2	18.9	10.5	11.6	11.6	20.0	29.4	31.5
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°
1822.8	0°	1822.8	1822.8	1822.8	1822.8	1822.8	1822.8	1822.8	1822.8	1822.8	1822.8
1824.9	2.5°	1824.9	1823.9	1820.7	1817.6	1810.2	1806.0	1808.1	1806.0	1805.0	1806.0
1838.6	5°	1838.6	1835.4	1827.0	1816.5	1801.8	1783.9	1772.4	1755.6	1739.8	1730.4
1875.3	7.5°	1875.3	1872.2	1860.6	1831.2	1783.9	1709.3	1641.1	1581.2	1536.0	1509.7
1934.2	10°	1934.2	1928.9	1911.1	1845.9	1722.0	1559.1	1423.6	1311.2	1237.6	1203.0
2003.5	12.5°	2003.5	1997.2	1965.7	1832.3	1604.3	1350.0	1163.0	1038.0	969.7	939.2
2083.4	15°	2085.5	2077.1	2015.1	1767.1	1433.0	1118.9	947.7	854.1	810.0	782.7
2185.3	17.5°	2187.4	2172.7	2051.9	1669.4	1247.1	942.4	815.3	744.9	706.0	679.7
2318.7	20°	2319.8	2295.6	2081.3	1552.8	1075.8	831.0	726.0	667.1	637.7	614.6
2507.8	22.5°	2504.7	2470.0	2117.0	1426.7	955.0	754.3	659.8	616.7	592.5	566.3
2771.5	25°	2733.7	2692.7	2161.1	1310.1	872.0	688.2	611.5	575.7	547.4	516.9
3117.2	27.5°	3054.1	2980.6	2213.6	1214.5	800.6	631.4	567.3	527.4	494.8	469.6
3509.1	30°	3411.3	3290.5	2259.9	1156.7	735.4	578.9	509.5	469.6	439.2	421.3
3861.0	32.5°	3749.6	3585.7	2290.3	1131.5	676.6	519.0	446.5	403.4	380.3	375.1
4205.6	35°	4069.0	3852.6	2287.2	1107.3	624.1	459.1	384.5	340.4	322.5	325.7
4576.5	37.5°	4436.7	4137.3	2265.1	1069.5	581.0	404.5	330.9	292.1	276.3	277.4
5027.2	40°	4864.3	4466.2	2251.5	998.1	533.7	354.1	286.8	255.3	243.7	239.5
5502.1	42.5°	5320.3	4784.5	2253.6	917.2	474.9	308.9	256.3	230.1	219.6	216.4
6030.5	45°	5778.4	5088.1	2256.7	833.1	412.9	274.2	234.3	212.2	205.9	201.7
6566.3	47.5°	6209.1	5346.6	2197.9	742.8	352.0	247.9	216.4	201.7	196.5	191.2
7104.3	50°	6610.5	5518.9	2056.1	637.7	303.6	226.9	202.8	192.3	187.0	181.8
7591.7	52.5°	6922.5	5546.2	1821.8	529.5	270.0	211.2	194.4	184.9	178.6	173.4
7985.7	55°	7061.2	5374.9	1488.7	428.7	243.7	197.5	186.0	176.5	169.1	163.9
8295.7	57.5°	7025.5	5014.6	1160.9	344.6	218.5	183.9	175.5	169.1	160.7	152.3
8546.7	60°	6850.0	4532.4	875.2	286.8	195.4	169.1	163.9	158.6	147.1	134.5
8643.4	62.5°	6546.4	3926.1	624.1	237.4	170.2	152.3	150.2	146.0	129.2	106.1
8500.5	65°	6082.0	3189.7	420.2	197.5	146.0	133.4	134.5	127.1	105.1	78.8
7977.3	67.5°	5403.3	2332.4	269.0	161.8	121.9	111.4	112.4	108.2	89.3	67.2
6985.5	70°	4538.7	1544.4	175.5	122.9	97.7	86.2	92.5	93.5	75.6	54.6
5361.3	72.5°	3327.3	911.9	122.9	91.4	71.4	59.9	75.6	77.7	60.9	41.0
3225.4	75°	1896.4	432.9	92.5	66.2	44.1	42.0	58.8	58.8	42.0	27.3
1396.3	77.5°	796.4	180.7	65.1	43.1	25.2	24.2	39.9	36.8	21.0	12.6
340.4	80°	230.1	80.9	34.7	21.0	10.5	9.5	15.8	11.6	5.3	2.1
129.2	82.5°	90.4	35.7	13.7	8.4	4.2	4.2	2.1	0.0	0.0	0.0
73.5	85°	53.6	14.7	6.3	3.2	1.1	0.0	0.0	0.0	0.0	0.0
15.8	87.5°	13.7	3.2	2.1	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°
1822.8
1810.2
1732.5
1510.8
1199.8
936.1
783.8
677.6
610.4
562.1
513.8
464.4
418.1
378.2
325.7
281.6
238.5
215.4
201.7
191.2
181.8
172.3
162.8
151.3
132.4
104.0
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