

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: P847757

Luminaire Tested: **GLAN-SB4A-730-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847757
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-SB4A-730-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 70 CRI, 3000K, 350mA 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: 13620 lumens
Efficiency: N/A
Efficacy: 119.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

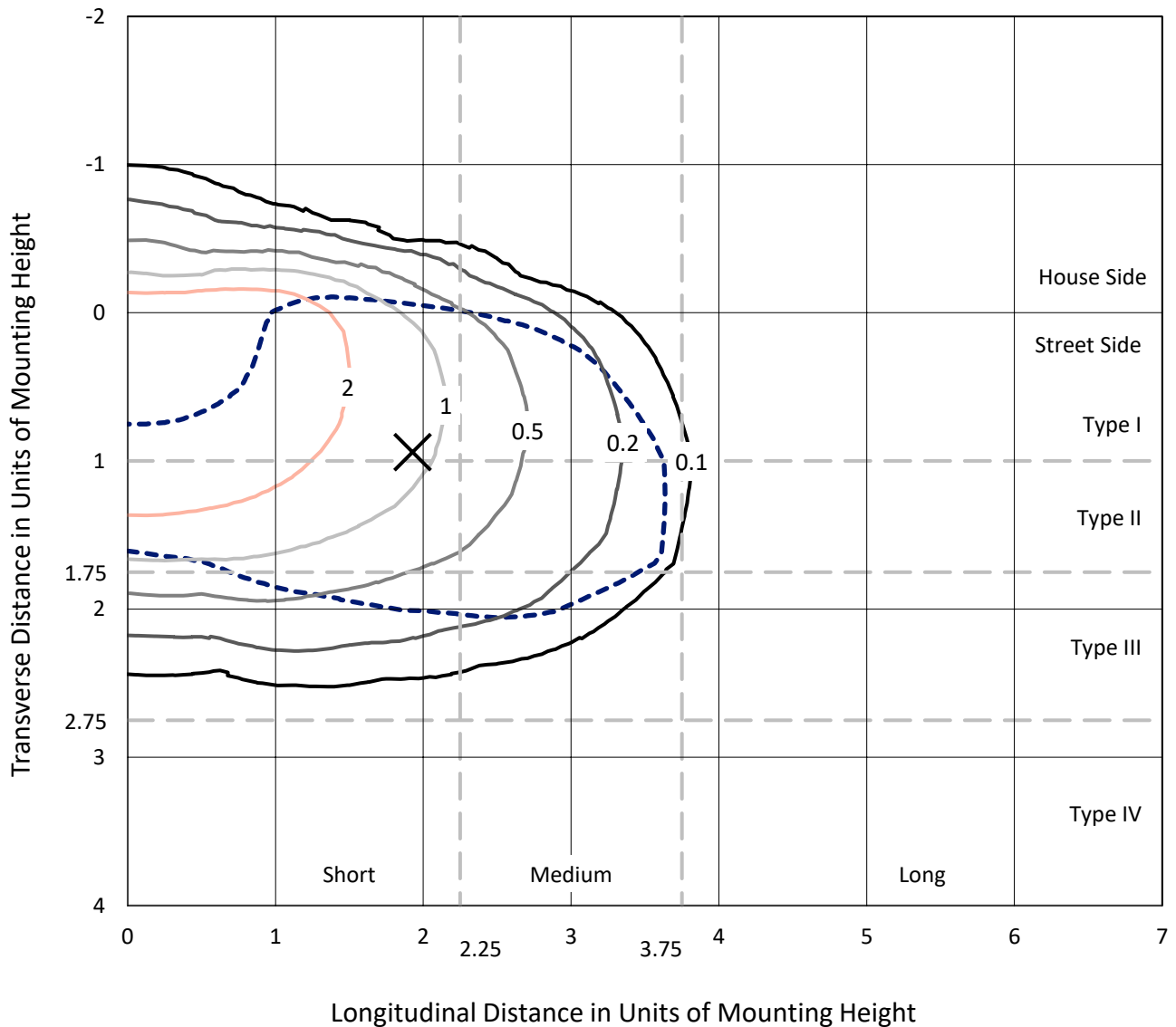
Input Watts (W): 114
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

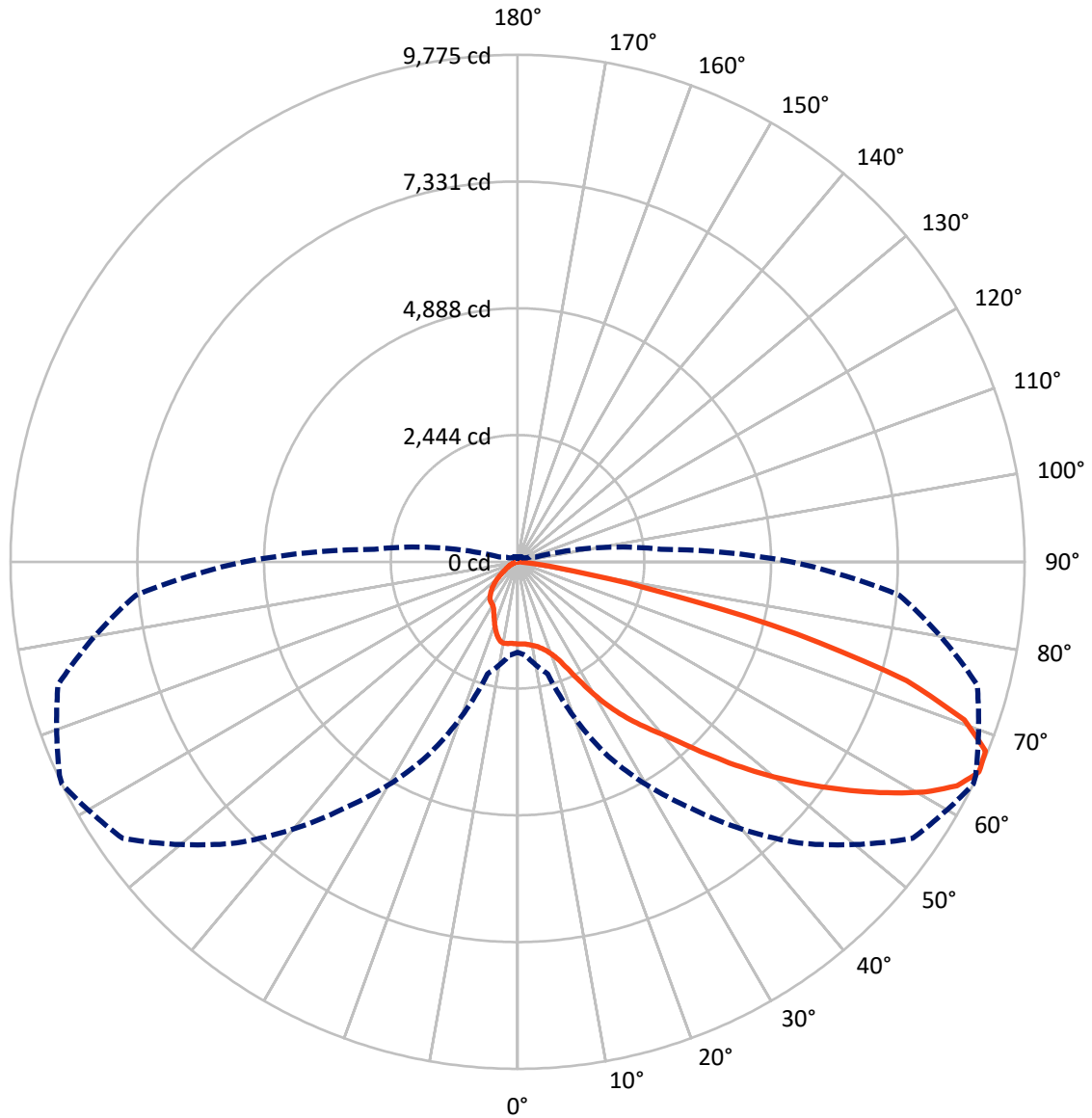
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4 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	1821.4	0.0	1821.4
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	11798.6	0.0	11798.6
	% Fixture	86.6	0.0	86.6
Total	Lumens	13620.0	0.0	13620.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	146.2	1.1
10°-20°	396.4	2.9
20°-30°	751.2	5.5
30°-40°	1520.0	11.2
40°-50°	2589.3	19.0
50°-60°	3521.3	25.9
60°-70°	3306.7	24.3
70°-80°	1324.8	9.7
80°-90°	64.2	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°	13620.0	100.0
0°-180°	13620.0	100.0

Coefficient of Utilization



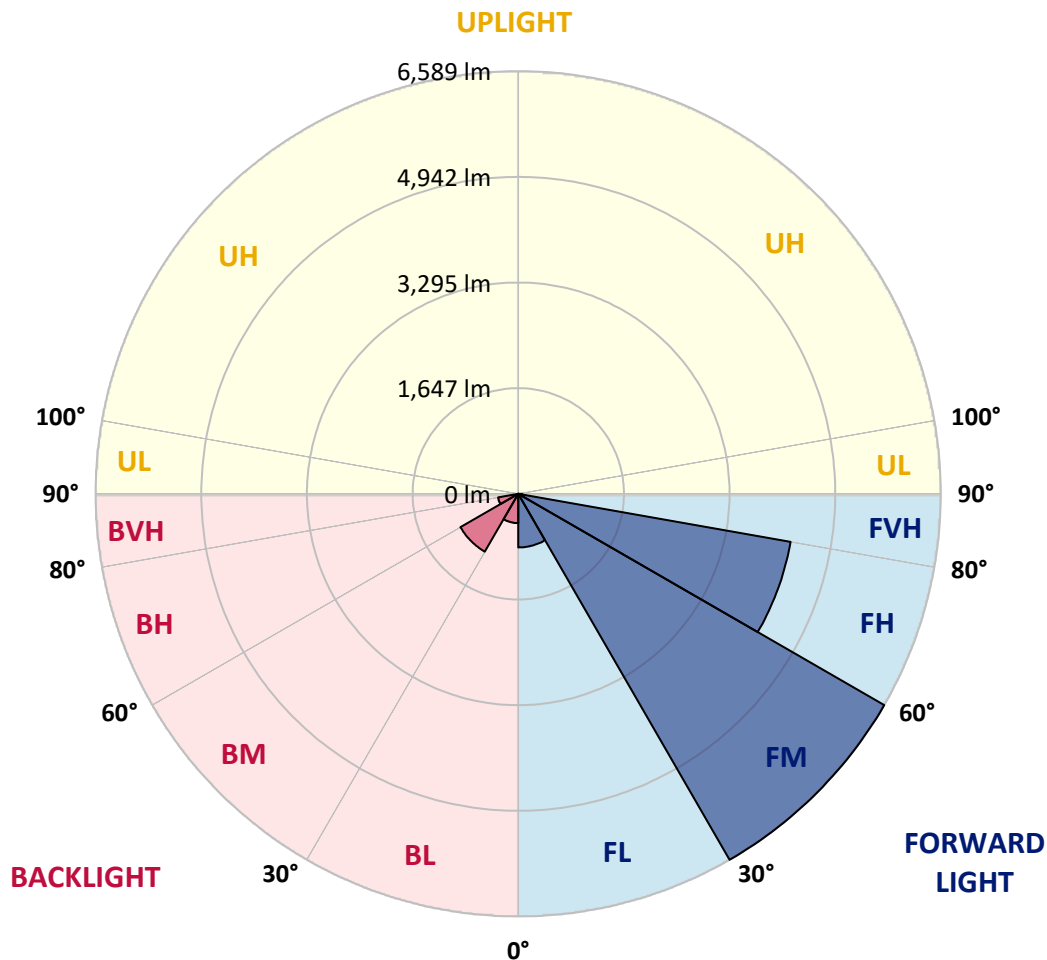
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	836.4	6.1			
FM (30°-60°)	6589.3	48.4			
FH (60°-80°)	4311.8	31.7			G2/5000
FVH (80°-90°)	61.0	0.4			G1/100
BL (0°-30°)	457.3	3.4	B1/500		
BM (30°-60°)	1041.3	7.6	B2/2500		
BH (60°-80°)	319.7	2.3	B1/500		G1/500
BVH (80°-90°)	3.1	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°	1584.1	1584.1	1584.1	1584.1	1584.1	1584.1	1584.1	1584.1	1584.1	1584.1
2.5°	1578.7	1589.6	1586.9	1584.1	1583.2	1585.1	1586.0	1585.1	1585.1	1585.1
5°	1548.5	1557.7	1557.7	1564.1	1573.2	1584.1	1592.4	1594.2	1596.0	1598.8
7.5°	1491.0	1498.3	1503.8	1524.8	1547.6	1576.8	1601.5	1614.3	1616.1	1626.1
10°	1451.8	1460.9	1470.0	1491.9	1524.8	1568.6	1610.6	1641.7	1646.2	1670.0
12.5°	1449.9	1459.1	1470.9	1494.7	1533.0	1579.6	1630.7	1675.5	1683.7	1718.4
15°	1469.1	1480.1	1491.0	1520.2	1561.3	1617.9	1672.7	1728.4	1736.6	1785.9
17.5°	1508.4	1523.0	1531.2	1560.4	1604.2	1667.2	1739.4	1803.3	1810.6	1868.1
20°	1586.0	1603.3	1606.1	1629.8	1672.7	1740.3	1826.1	1905.5	1914.7	1980.4
22.5°	1746.7	1771.3	1749.4	1761.3	1799.6	1867.2	1960.3	2060.8	2073.5	2148.4
25°	2029.7	2064.4	2007.8	1987.7	2004.2	2074.5	2191.3	2318.2	2332.9	2393.1
27.5°	2585.8	2541.0	2455.2	2371.2	2321.9	2362.1	2493.5	2650.6	2668.9	2727.3
30°	3196.6	3157.3	3041.4	2855.1	2738.2	2731.9	2853.3	3028.6	3049.6	3105.3
32.5°	3808.3	3770.9	3644.9	3415.7	3213.0	3112.6	3196.6	3391.1	3402.0	3437.6
35°	4410.0	4371.7	4245.7	4011.0	3761.8	3533.5	3517.1	3736.2	3739.9	3777.3
37.5°	5015.4	4983.4	4849.2	4619.1	4373.5	4058.5	3906.0	4063.1	4067.7	4104.2
40°	5447.3	5461.0	5368.8	5190.7	4979.8	4635.6	4342.5	4411.0	4383.6	4444.7
42.5°	5818.0	5845.4	5765.0	5675.5	5553.2	5250.1	4883.0	4871.1	4827.3	4860.2
45°	6138.5	6161.3	6089.2	6068.2	6065.4	5852.7	5473.8	5402.5	5341.4	5335.0
47.5°	6256.2	6300.1	6331.1	6401.4	6538.4	6448.9	6084.6	5974.1	5905.6	5855.4
50°	6301.0	6347.5	6453.5	6658.0	6982.1	7020.5	6692.7	6568.5	6484.5	6393.2
52.5°	6240.7	6323.8	6466.2	6810.5	7280.7	7478.8	7276.1	7167.5	7071.6	6922.8
55°	5885.5	5968.6	6259.9	6808.6	7429.5	7800.2	7827.6	7779.2	7671.5	7436.8
57.5°	5136.8	5260.1	5721.2	6576.7	7426.8	8076.9	8368.1	8402.8	8282.3	7946.3
60°	4099.6	4266.7	4829.1	6062.7	7197.6	8226.6	8842.0	9015.5	8887.7	8448.5
62.5°	2860.6	3054.2	3586.5	5257.4	6673.5	8118.9	9188.1	9508.5	9411.8	8897.7
65°	1744.8	1806.9	2236.1	4137.0	5782.4	7667.8	9294.9	9775.1	9743.2	9172.5
67.5°	1162.3	1214.4	1337.6	2836.9	4488.6	6766.6	9039.2	9728.6	9737.7	9127.8
70°	700.3	745.1	825.4	1649.9	2909.0	5356.0	8247.6	9135.1	9188.1	8529.7
72.5°	288.5	318.7	391.7	747.8	1506.5	3399.3	6567.6	7843.1	7966.4	7172.0
75°	163.4	179.0	230.1	375.3	653.7	1584.1	3978.2	5567.8	5749.5	4943.3
77.5°	108.7	116.0	148.8	242.9	368.0	540.5	1700.1	2900.8	3247.7	2699.9
80°	73.0	79.4	102.3	162.5	239.2	231.9	541.4	1074.7	1322.1	927.7
82.5°	49.3	50.2	73.0	106.8	151.6	112.3	159.8	334.2	420.0	268.4
85°	28.3	27.4	53.9	62.1	67.6	46.6	48.4	100.4	131.5	113.2
87.5°	3.7	5.5	21.0	16.4	9.1	10.0	10.0	17.3	25.6	27.4
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°
1584.1	0°	1584.1	1584.1	1584.1	1584.1	1584.1	1584.1	1584.1	1584.1	1584.1	1584.1
1586.0	2.5°	1586.0	1585.1	1582.3	1579.6	1573.2	1569.5	1571.4	1569.5	1568.6	1569.5
1597.8	5°	1597.8	1595.1	1587.8	1578.7	1565.9	1550.4	1540.3	1525.7	1512.0	1503.8
1629.8	7.5°	1629.8	1627.1	1617.0	1591.5	1550.4	1485.5	1426.2	1374.1	1334.9	1312.1
1680.9	10°	1680.9	1676.4	1660.8	1604.2	1496.5	1355.0	1237.2	1139.5	1075.6	1045.4
1741.2	12.5°	1741.2	1735.7	1708.3	1592.4	1394.2	1173.3	1010.7	902.1	842.7	816.3
1810.6	15°	1812.4	1805.1	1751.2	1535.8	1245.4	972.4	823.6	742.3	704.0	680.2
1899.2	17.5°	1901.0	1888.2	1783.2	1450.8	1083.8	819.0	708.5	647.4	613.6	590.7
2015.1	20°	2016.0	1995.0	1808.8	1349.5	935.0	722.2	630.9	579.8	554.2	534.1
2179.5	22.5°	2176.7	2146.6	1839.8	1239.9	830.0	655.6	573.4	536.0	515.0	492.1
2408.6	25°	2375.8	2340.2	1878.2	1138.6	757.8	598.0	531.4	500.4	475.7	449.2
2709.0	27.5°	2654.2	2590.3	1923.8	1055.5	695.7	548.7	493.0	458.4	430.0	408.1
3049.6	30°	2964.7	2859.7	1964.0	1005.3	639.1	503.1	442.8	408.1	381.7	366.1
3355.5	32.5°	3258.7	3116.3	1990.5	983.4	588.0	451.0	388.0	350.6	330.5	326.0
3655.0	35°	3536.3	3348.2	1987.7	962.4	542.4	399.0	334.2	295.8	280.3	283.0
3977.3	37.5°	3855.8	3595.6	1968.5	929.5	504.9	351.5	287.6	253.8	240.1	241.0
4369.0	40°	4227.4	3881.4	1956.7	867.4	463.8	307.7	249.3	221.9	211.8	208.2
4781.7	42.5°	4623.7	4158.0	1958.5	797.1	412.7	268.4	222.8	200.0	190.8	188.1
5240.9	45°	5021.8	4421.9	1961.2	724.1	358.8	238.3	203.6	184.4	179.0	175.3
5706.6	47.5°	5396.1	4646.5	1910.1	645.5	305.9	215.5	188.1	175.3	170.7	166.2
6174.1	50°	5744.9	4796.3	1786.8	554.2	263.9	197.2	176.2	167.1	162.5	158.0
6597.7	52.5°	6016.1	4820.0	1583.2	460.2	234.7	183.5	168.9	160.7	155.2	150.7
6940.1	55°	6136.6	4671.2	1293.8	372.5	211.8	171.7	161.6	153.4	147.0	142.4
7209.5	57.5°	6105.6	4358.0	1008.9	299.5	189.9	159.8	152.5	147.0	139.7	132.4
7427.7	60°	5953.1	3938.9	760.6	249.3	169.8	147.0	142.4	137.9	127.8	116.9
7511.7	62.5°	5689.2	3412.1	542.4	206.4	147.9	132.4	130.6	126.9	112.3	92.2
7387.5	65°	5285.7	2772.0	365.2	171.7	126.9	116.0	116.9	110.5	91.3	68.5
6932.8	67.5°	4695.8	2027.0	233.7	140.6	105.9	96.8	97.7	94.0	77.6	58.4
6070.9	70°	3944.4	1342.2	152.5	106.8	84.9	74.9	80.3	81.3	65.7	47.5
4659.3	72.5°	2891.6	792.5	106.8	79.4	62.1	52.0	65.7	67.6	53.0	35.6
2803.1	75°	1648.1	376.2	80.3	57.5	38.3	36.5	51.1	51.1	36.5	23.7
1213.4	77.5°	692.1	157.0	56.6	37.4	21.9	21.0	34.7	32.0	18.3	11.0
295.8	80°	200.0	70.3	30.1	18.3	9.1	8.2	13.7	10.0	4.6	1.8
112.3	82.5°	78.5	31.0	11.9	7.3	3.7	3.7	1.8	0.0	0.0	0.0
63.9	85°	46.6	12.8	5.5	2.7	0.9	0.0	0.0	0.0	0.0	0.0
13.7	87.5°	11.9	2.7	1.8	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°
1584.1
1573.2
1505.6
1313.0
1042.7
813.5
681.1
588.9
530.5
488.5
446.5
403.6
363.4
328.7
283.0
244.7
207.3
187.2
175.3
166.2
158.0
149.7
141.5
131.5
115.0
90.4
66.7
55.7
45.7
33.8
21.9
11.0
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