

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: P846735

Luminaire Tested: **GLAN-SB2C-730-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846735
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB2C-730-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10564 lumens
Efficiency: N/A
Efficacy: 104.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

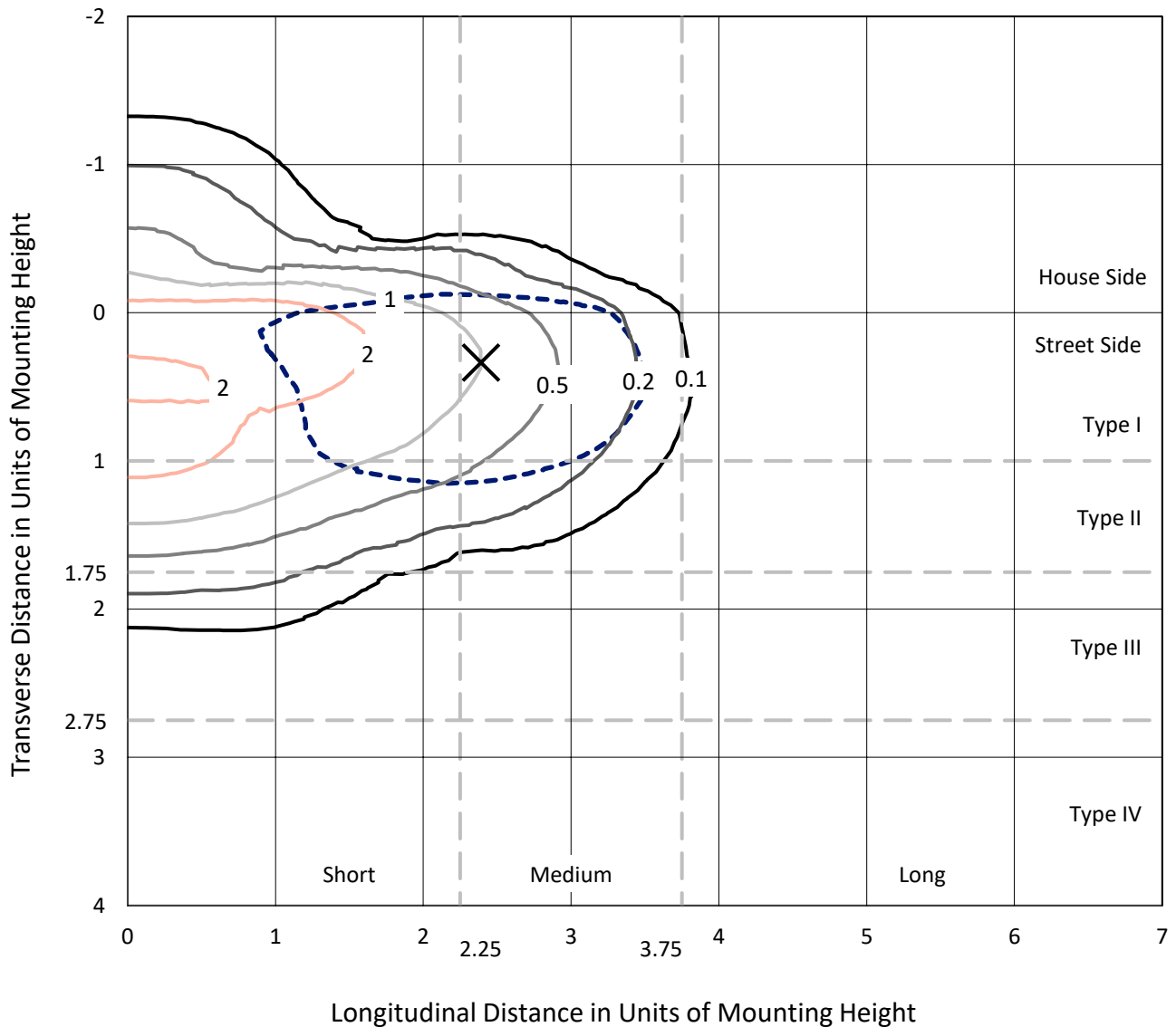
Input Watts (W): 100.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

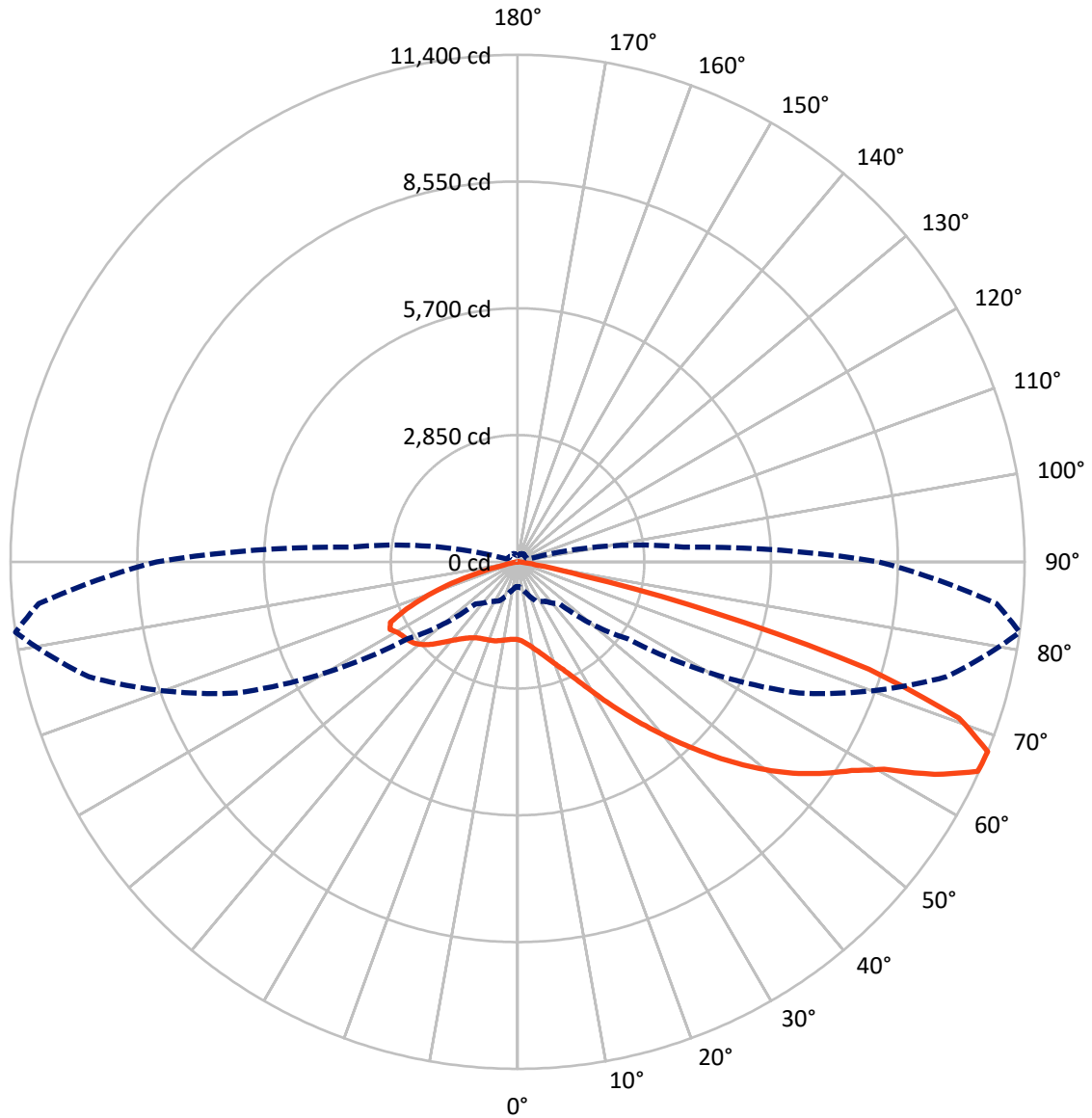
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.7 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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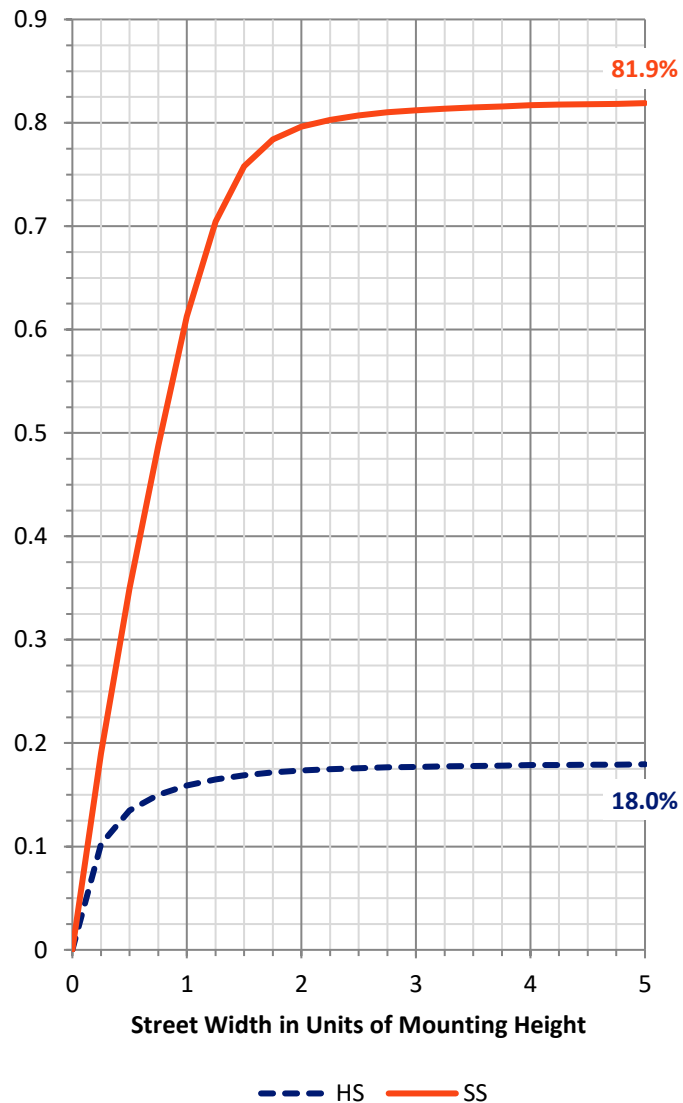
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1913.6	0.0	1913.6
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	8650.4	0.0	8650.4
	% Fixture	81.9	0.0	81.9
Total	Lumens	10564.0	0.0	10564.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	155.9	1.5
10°-20°	405.2	3.8
20°-30°	649.0	6.1
30°-40°	1147.6	10.9
40°-50°	2010.6	19.0
50°-60°	2681.6	25.4
60°-70°	2496.5	23.6
70°-80°	958.1	9.1
80°-90°	59.5	0.6
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°	10564.0	100.0
0°-180°	10564.0	100.0

Coefficient of Utilization



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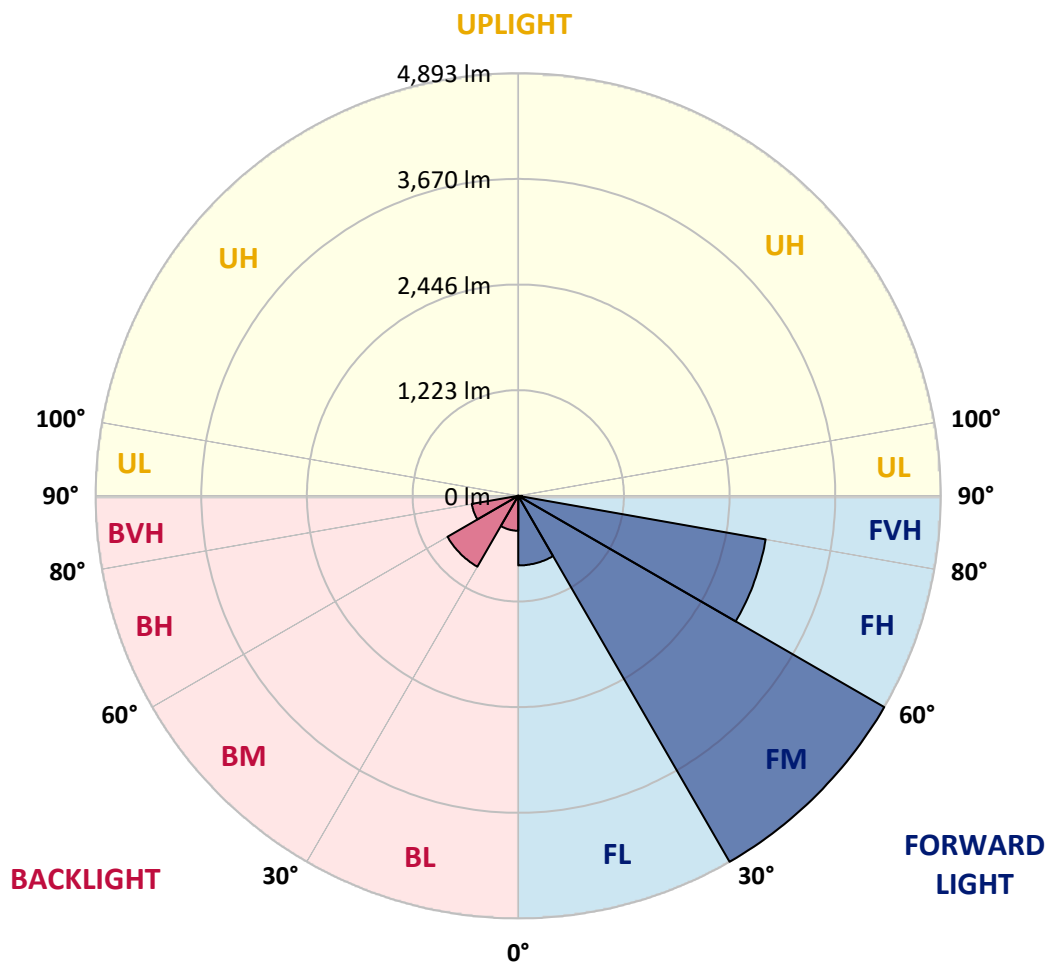
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	805.9	7.6			
FM (30°-60°)	4892.8	46.3			
FH (60°-80°)	2908.4	27.5			G2/5000
FVH (80°-90°)	43.3	0.4			G1/100
BL (0°-30°)	404.1	3.8	B1/500		
BM (30°-60°)	947.0	9.0	B1/1000		
BH (60°-80°)	546.2	5.2	B2/1000		G2/1000
BVH (80°-90°)	16.2	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	1750.1	1750.1	1750.1	1750.1	1750.1	1750.1	1750.1	1750.1	1750.1	1750.1
2.5°	1849.7	1860.4	1854.3	1851.3	1845.9	1838.3	1832.2	1813.2	1793.5	1780.5
5°	1887.0	1897.7	1896.9	1899.9	1903.7	1906.0	1904.5	1883.2	1855.1	1833.0
7.5°	1855.1	1867.2	1877.1	1892.3	1918.9	1947.1	1960.8	1956.2	1927.3	1896.9
10°	1764.5	1777.5	1801.1	1836.8	1893.1	1953.9	2004.9	2028.5	2010.2	1976.8
12.5°	1598.7	1611.7	1658.1	1735.6	1830.0	1935.7	2033.0	2096.2	2100.7	2067.3
15°	1412.4	1425.3	1474.8	1572.1	1715.9	1885.5	2048.2	2167.7	2208.0	2179.1
17.5°	1296.8	1308.2	1345.5	1423.8	1573.6	1785.1	2042.9	2243.7	2335.7	2312.9
20°	1261.8	1271.7	1289.2	1343.9	1468.7	1680.9	2007.9	2315.2	2473.4	2460.5
22.5°	1299.1	1308.2	1313.5	1337.9	1416.2	1612.4	1963.8	2388.2	2633.1	2634.7
25°	1385.0	1394.1	1388.1	1403.3	1437.5	1591.1	1947.1	2474.2	2833.9	2850.7
27.5°	1526.5	1527.2	1512.8	1512.0	1517.4	1623.1	1964.6	2566.2	3087.2	3118.4
30°	1810.2	1798.8	1743.3	1683.2	1655.8	1718.9	2013.3	2675.0	3386.1	3441.6
32.5°	2247.5	2230.8	2128.9	1985.1	1840.6	1873.3	2100.7	2798.9	3711.6	3812.0
35°	2722.1	2717.6	2611.1	2397.4	2144.8	2093.1	2243.0	2961.7	4066.8	4226.5
37.5°	3163.3	3161.0	3100.1	2848.4	2541.1	2399.6	2471.1	3174.7	4447.1	4678.3
40°	3566.4	3573.2	3512.4	3287.2	2977.7	2792.9	2781.4	3437.8	4870.0	5170.4
42.5°	3914.7	3922.3	3860.7	3694.1	3408.9	3227.9	3162.5	3760.3	5283.0	5699.0
45°	4151.3	4198.4	4189.3	4056.2	3851.6	3663.7	3620.4	4164.9	5753.8	6259.6
47.5°	4218.2	4261.5	4330.0	4348.2	4223.5	4038.7	4090.4	4652.5	6229.9	6820.9
50°	4053.1	4093.4	4235.7	4425.1	4511.8	4454.7	4547.5	5175.0	6717.5	7380.7
52.5°	3727.6	3768.7	3948.2	4247.8	4601.5	4781.0	5006.1	5689.9	7189.8	7910.8
55°	3256.8	3300.2	3530.6	3869.8	4430.4	4915.6	5388.7	6204.1	7622.5	8387.7
57.5°	2616.4	2648.3	2887.9	3362.5	3999.9	4781.8	5670.9	6765.4	8030.2	8856.2
60°	1705.2	1733.4	2011.7	2541.1	3286.5	4334.6	5727.2	7391.3	8571.7	9465.4
62.5°	1134.0	1153.0	1318.1	1706.7	2314.4	3475.9	5397.8	7891.0	9365.8	10525.7
65°	778.1	797.1	962.1	1232.9	1495.3	2299.2	4450.9	7824.9	10085.3	11367.6
67.5°	555.2	571.2	711.1	966.7	1082.3	1335.6	3017.2	6979.1	9981.9	11399.6
70°	397.8	406.9	522.5	753.0	860.2	802.4	1677.8	5337.8	8739.8	10526.4
72.5°	278.4	281.4	362.8	573.5	692.9	585.6	798.6	3558.8	6610.2	8262.2
75°	188.6	192.4	244.1	420.6	556.0	447.2	422.9	1908.3	3880.5	4573.4
77.5°	115.6	117.1	157.4	287.5	416.0	340.7	272.3	808.5	1501.4	1474.0
80°	65.4	65.4	100.4	178.7	283.7	219.8	190.9	343.8	475.4	417.6
82.5°	36.5	37.3	73.0	111.0	187.9	130.1	105.0	159.0	205.4	181.8
85°	15.2	16.7	44.9	52.5	89.7	64.6	42.6	66.9	76.1	67.7
87.5°	1.5	2.3	13.7	9.9	10.6	12.9	6.1	12.9	10.6	10.6
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°
1750.1	0°	1750.1	1750.1	1750.1	1750.1	1750.1	1750.1	1750.1	1750.1	1750.1	1750.1
1776.0	2.5°	1761.5	1750.1	1721.2	1687.7	1643.6	1622.3	1593.4	1573.6	1556.9	1558.4
1820.1	5°	1795.7	1766.8	1702.2	1621.6	1521.2	1449.7	1373.6	1321.1	1278.5	1269.4
1880.9	7.5°	1842.9	1797.3	1683.9	1538.7	1369.0	1240.5	1125.7	1051.9	999.4	982.7
1954.7	10°	1903.7	1837.6	1660.3	1434.5	1190.3	1026.8	903.6	845.8	810.0	797.8
2041.4	12.5°	1974.5	1884.0	1629.2	1307.4	1006.2	848.8	770.5	741.6	730.2	726.4
2147.9	15°	2063.5	1941.8	1582.0	1156.8	850.3	740.0	706.6	702.8	704.3	702.8
2275.7	17.5°	2169.2	2004.9	1505.2	1001.7	745.4	684.5	672.4	675.4	679.2	678.4
2418.6	20°	2284.8	2067.3	1407.1	864.0	673.9	645.0	638.1	641.2	644.2	642.7
2583.7	22.5°	2416.4	2134.2	1298.3	756.8	626.0	608.5	600.9	601.6	601.6	598.6
2792.9	25°	2573.8	2208.0	1184.2	680.7	589.5	575.8	566.6	563.6	559.0	549.9
3046.9	27.5°	2761.7	2286.3	1074.7	627.5	560.5	547.6	537.0	529.4	518.0	502.7
3351.9	30°	2973.1	2381.4	981.9	594.0	537.7	524.8	512.6	501.2	484.5	465.5
3702.5	32.5°	3221.8	2483.3	914.2	572.0	517.2	503.5	489.1	475.4	457.1	438.1
4096.5	35°	3518.4	2606.5	874.7	556.7	501.2	483.0	467.0	451.8	438.1	421.4
4524.7	37.5°	3840.2	2737.3	862.5	549.1	490.6	462.4	444.2	433.5	432.0	422.1
4987.9	40°	4192.3	2892.5	871.6	544.6	479.2	442.7	422.9	420.6	424.4	406.9
5483.0	42.5°	4565.0	3076.6	886.8	539.3	463.2	422.9	403.9	403.9	400.8	376.5
6006.3	45°	4968.1	3288.8	902.0	526.3	444.2	403.1	388.7	383.3	370.4	346.8
6532.6	47.5°	5374.3	3504.8	913.5	502.7	421.4	386.4	373.4	361.3	342.3	321.0
7049.1	50°	5759.9	3698.7	901.3	467.8	395.5	370.4	356.7	340.0	319.4	305.0
7538.1	52.5°	6104.4	3866.8	849.6	426.7	368.1	353.7	341.5	324.0	307.3	292.1
7979.3	55°	6404.1	4002.9	758.3	387.9	343.8	339.2	327.0	305.0	282.2	269.2
8416.6	57.5°	6691.6	4106.4	644.2	356.0	321.7	323.2	305.0	285.2	263.9	250.2
9006.0	60°	7074.2	4244.8	528.6	326.3	298.1	302.7	282.9	268.5	241.9	224.4
10016.9	62.5°	7685.7	4460.0	419.8	289.8	270.8	272.3	263.9	246.4	214.5	193.9
10766.0	65°	8170.9	4380.9	330.9	250.2	239.6	241.9	241.9	222.9	188.6	165.0
10806.3	67.5°	8116.2	3751.2	263.9	211.4	209.9	211.4	216.8	200.8	167.3	148.3
9983.4	70°	7476.5	2983.8	211.4	175.7	182.5	178.7	193.9	183.3	150.6	131.6
7739.7	72.5°	6100.6	2149.4	161.2	145.3	139.9	146.0	174.9	165.0	125.5	104.2
4099.5	75°	3564.8	1147.0	120.2	114.8	101.2	121.7	155.2	140.7	95.8	76.8
1256.5	77.5°	1160.6	400.1	88.2	84.4	75.3	98.1	132.3	118.7	78.3	60.8
368.1	80°	311.1	120.9	60.1	55.5	48.7	73.0	105.0	94.3	56.3	39.6
158.2	82.5°	124.7	51.0	35.0	31.2	26.6	50.2	82.9	76.1	41.8	25.1
49.4	85°	40.3	16.7	12.9	9.9	12.2	31.2	49.4	51.7	29.7	12.9
7.6	87.5°	5.3	2.3	2.3	3.0	2.3	5.3	15.2	14.5	8.4	1.5
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°
1750.1
1543.2
1248.9
965.9
788.7
724.1
702.0
676.9
641.9
597.1
548.4
501.2
464.0
438.9
419.8
421.4
407.7
376.5
346.1
320.2
302.7
290.5
267.7
248.7
222.1
192.4
162.8
145.3
129.3
101.9
74.5
58.6
38.8
25.1
9.9
0.0
0.0

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