

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: P847825

Luminaire Tested: **GLAN-SB4A-835-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847825
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-SB4A-835-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 80 CRI, 3500K, 350mA 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: 10870 lumens
Efficiency: N/A
Efficacy: 95.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

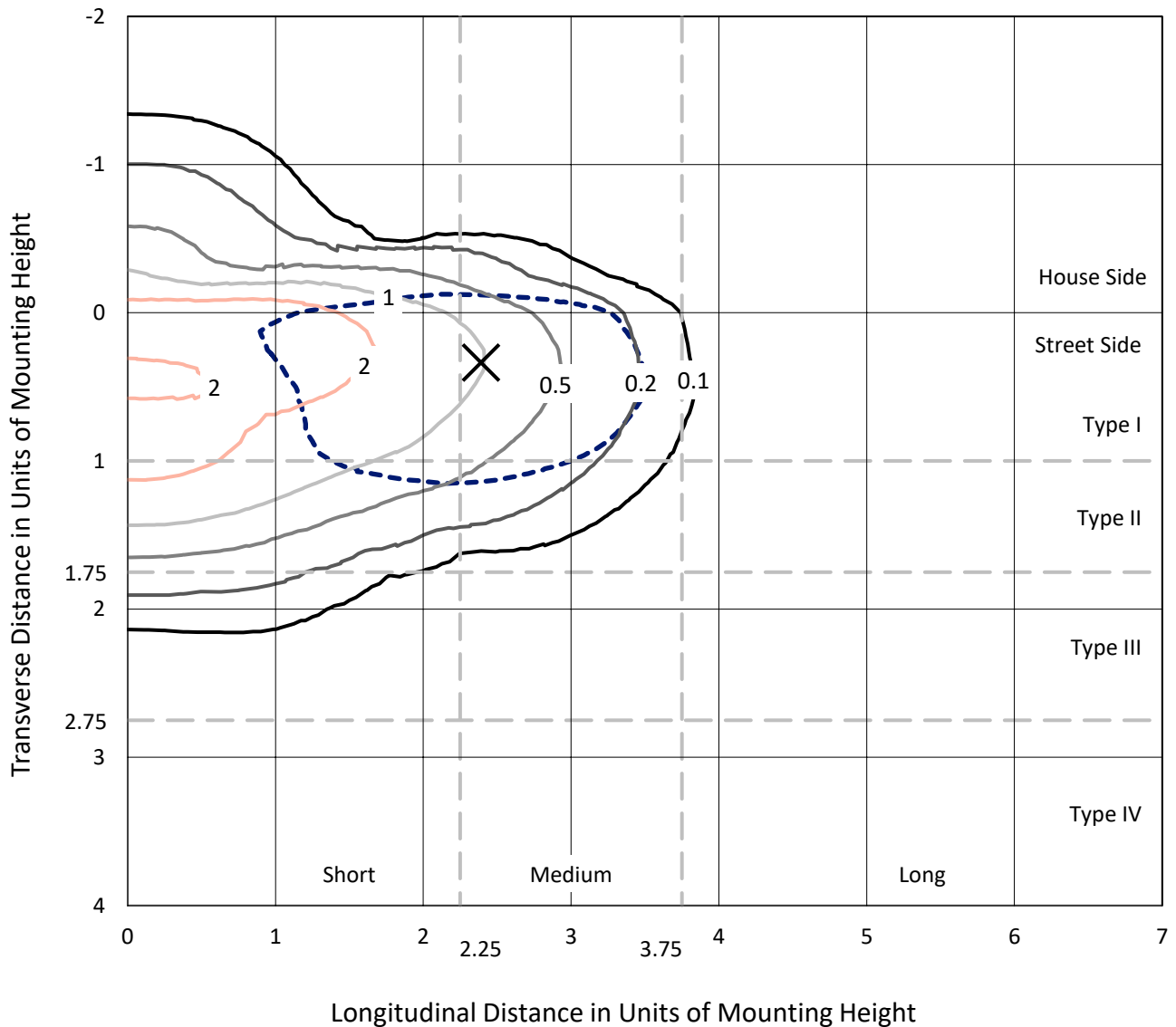
Input Watts (W): 114
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

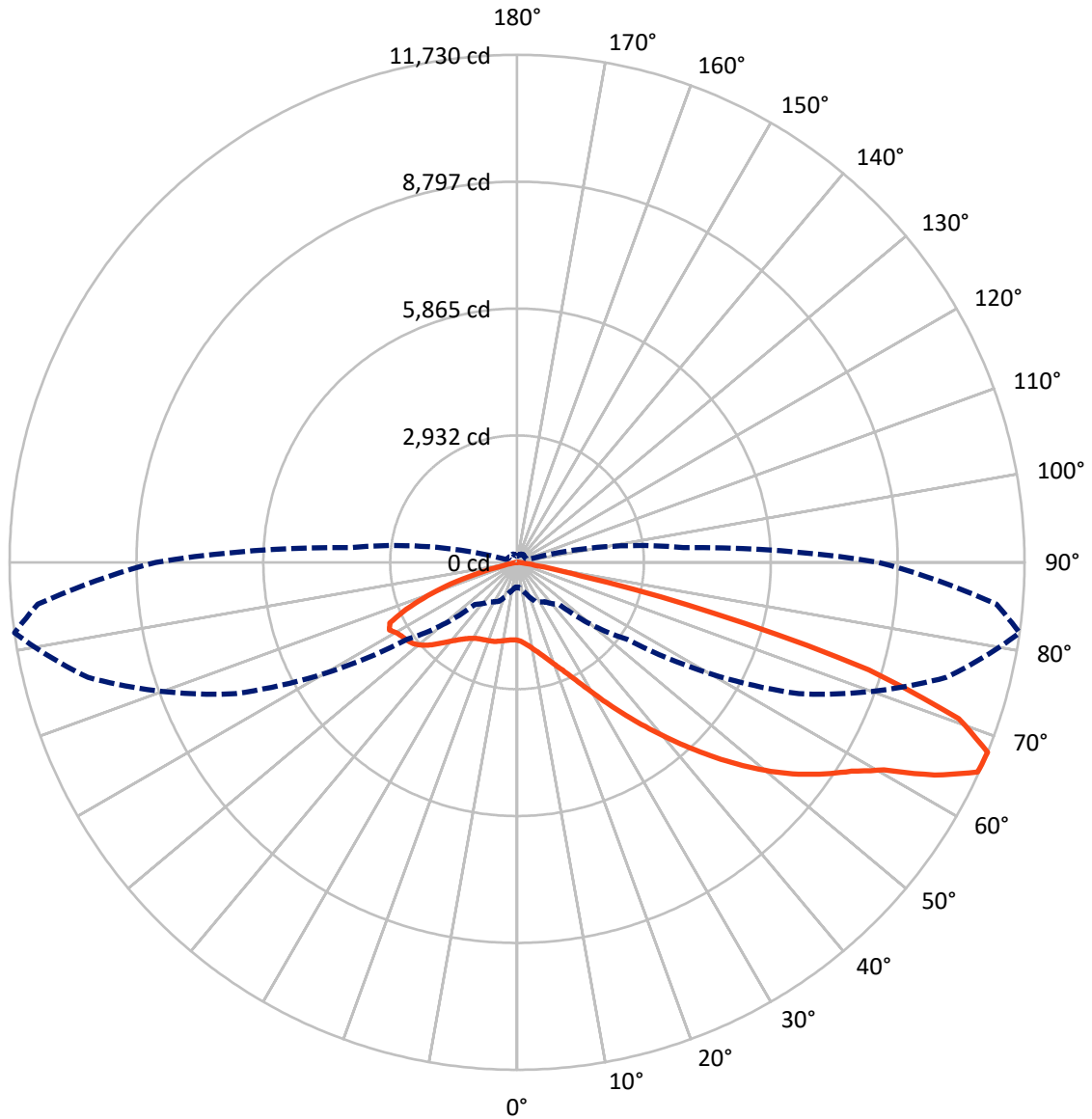
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.8 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	1969.0	0.0	1969.0
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	8901.0	0.0	8901.0
	% Fixture	81.9	0.0	81.9
Total	Lumens	10870.0	0.0	10870.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	160.4	1.5
10°-20°	416.9	3.8
20°-30°	667.8	6.1
30°-40°	1180.8	10.9
40°-50°	2068.9	19.0
50°-60°	2759.3	25.4
60°-70°	2568.8	23.6
70°-80°	985.9	9.1
80°-90°	61.2	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°	10870.0	100.0
0°-180°	10870.0	100.0

Coefficient of Utilization

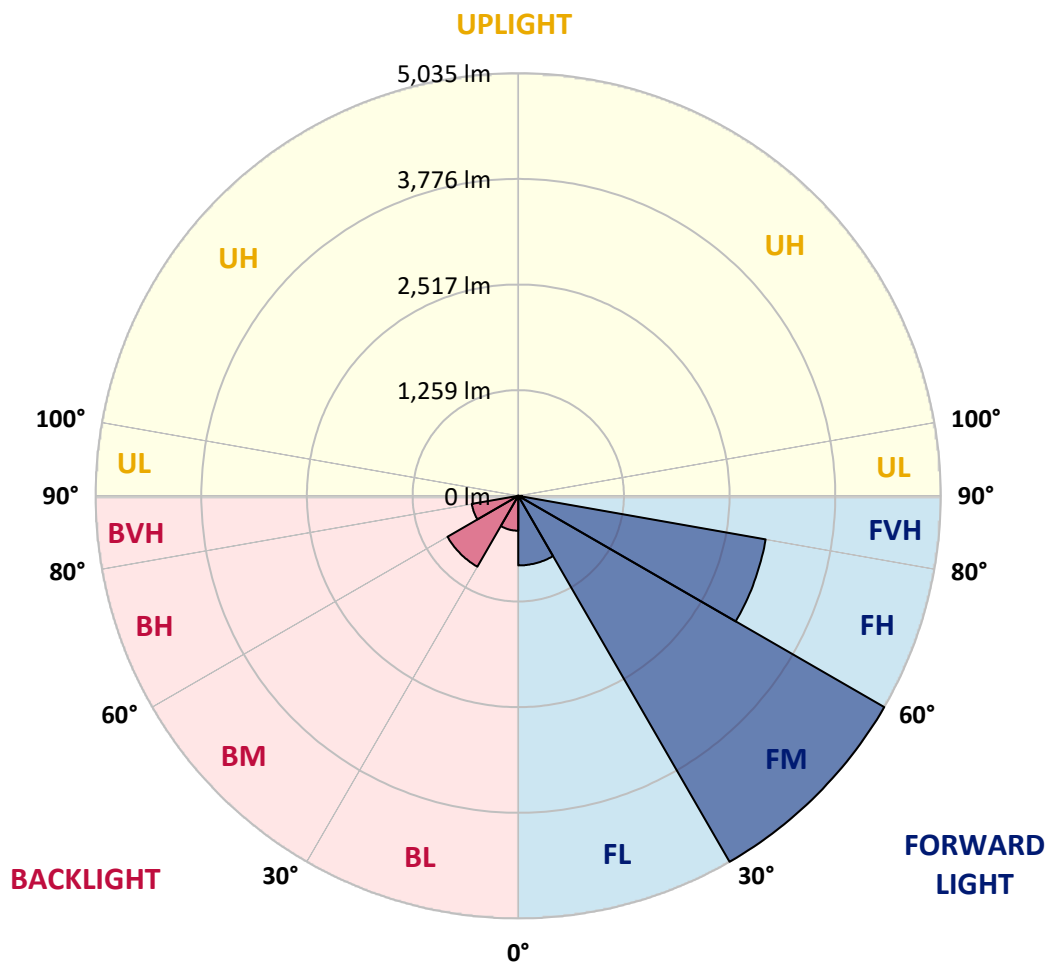


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	829.3	7.6			
FM (30°-60°)	5034.5	46.3			
FH (60°-80°)	2992.7	27.5			G2/5000
FVH (80°-90°)	44.5	0.4			G1/100
BL (0°-30°)	415.8	3.8	B1/500		
BM (30°-60°)	974.4	9.0	B1/1000		
BH (60°-80°)	562.0	5.2	B2/1000		G2/1000
BVH (80°-90°)	16.7	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°	1800.8	1800.8	1800.8	1800.8	1800.8	1800.8	1800.8	1800.8	1800.8	1800.8
2.5°	1903.3	1914.3	1908.0	1904.9	1899.4	1891.6	1885.3	1865.7	1845.4	1832.1
5°	1941.7	1952.6	1951.8	1955.0	1958.9	1961.2	1959.7	1937.7	1908.8	1886.1
7.5°	1908.8	1921.3	1931.5	1947.1	1974.5	2003.5	2017.6	2012.9	1983.1	1951.8
10°	1815.7	1829.0	1853.2	1890.0	1947.9	2010.5	2063.0	2087.2	2068.4	2034.0
12.5°	1645.1	1658.4	1706.1	1785.9	1883.0	1991.7	2091.9	2156.9	2161.6	2127.1
15°	1453.3	1466.6	1517.5	1617.7	1765.6	1940.1	2107.6	2230.4	2271.9	2242.2
17.5°	1334.4	1346.1	1384.4	1465.1	1619.2	1836.8	2102.1	2308.7	2403.4	2379.9
20°	1298.4	1308.5	1326.5	1382.9	1511.2	1729.6	2066.1	2382.3	2545.1	2531.8
22.5°	1336.7	1346.1	1351.6	1376.6	1457.2	1659.1	2020.7	2457.4	2709.4	2711.0
25°	1425.1	1434.5	1428.3	1443.9	1479.1	1637.2	2003.5	2545.8	2916.0	2933.2
27.5°	1570.7	1571.5	1556.6	1555.8	1561.3	1670.1	2021.5	2640.5	3176.6	3208.7
30°	1862.6	1850.9	1793.7	1731.9	1703.7	1768.7	2071.6	2752.4	3484.2	3541.3
32.5°	2312.6	2295.4	2190.5	2042.6	1893.9	1927.6	2161.6	2880.0	3819.1	3922.5
35°	2801.0	2796.3	2686.7	2466.8	2207.0	2153.7	2307.9	3047.5	4184.6	4349.0
37.5°	3254.9	3252.5	3189.9	2930.9	2614.7	2469.1	2542.7	3266.6	4575.9	4813.8
40°	3669.7	3676.7	3614.1	3382.5	3063.9	2873.8	2862.0	3537.4	5011.1	5320.2
42.5°	4028.1	4035.9	3972.5	3801.1	3507.7	3321.4	3254.1	3869.2	5436.0	5864.1
45°	4271.5	4320.0	4310.6	4173.7	3963.1	3769.8	3725.2	4285.6	5920.5	6440.9
47.5°	4340.4	4385.0	4455.4	4474.2	4345.8	4155.7	4208.9	4787.2	6410.4	7018.5
50°	4170.5	4212.0	4358.4	4553.2	4642.5	4583.8	4679.2	5324.9	6912.0	7594.5
52.5°	3835.6	3877.8	4062.5	4370.9	4734.8	4919.5	5151.2	5854.7	7398.0	8140.0
55°	3351.1	3395.8	3632.9	3981.9	4558.7	5058.0	5544.8	6383.8	7843.3	8630.6
57.5°	2692.2	2725.1	2971.6	3459.9	4115.8	4920.3	5835.2	6961.3	8262.8	9112.7
60°	1754.6	1783.6	2070.0	2614.7	3381.7	4460.1	5893.1	7605.4	8820.0	9739.6
62.5°	1166.9	1186.4	1356.3	1756.2	2381.5	3576.5	5554.2	8119.6	9637.1	10830.6
65°	800.6	820.2	990.0	1268.6	1538.6	2365.8	4579.8	8051.5	10377.4	11696.9
67.5°	571.3	587.7	731.7	994.7	1113.7	1374.3	3104.6	7181.3	10271.0	11729.8
70°	409.3	418.7	537.7	774.8	885.1	825.7	1726.4	5492.4	8993.0	10831.4
72.5°	286.4	289.6	373.3	590.1	713.0	602.6	821.7	3661.8	6801.7	8501.5
75°	194.1	198.0	251.2	432.8	572.1	460.2	435.1	1963.6	3992.9	4705.8
77.5°	119.0	120.5	162.0	295.8	428.1	350.6	280.2	831.9	1544.9	1516.7
80°	67.3	67.3	103.3	183.9	291.9	226.2	196.4	353.7	489.1	429.7
82.5°	37.6	38.3	75.1	114.3	193.3	133.8	108.0	163.6	211.3	187.0
85°	15.7	17.2	46.2	54.0	92.3	66.5	43.8	68.9	78.3	69.7
87.5°	1.6	2.3	14.1	10.2	11.0	13.3	6.3	13.3	11.0	11.0
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°
1800.8	0°	1800.8	1800.8	1800.8	1800.8	1800.8	1800.8	1800.8	1800.8	1800.8	1800.8
1827.4	2.5°	1812.5	1800.8	1771.1	1736.6	1691.2	1669.3	1639.6	1619.2	1602.0	1603.6
1872.8	5°	1847.7	1818.0	1751.5	1668.5	1565.2	1491.7	1413.4	1359.4	1315.6	1306.2
1935.4	7.5°	1896.3	1849.3	1732.7	1583.2	1408.7	1276.4	1158.3	1082.4	1028.4	1011.1
2011.3	10°	1958.9	1890.8	1708.4	1476.0	1224.8	1056.5	929.7	870.3	833.5	821.0
2100.5	12.5°	2031.7	1938.5	1676.4	1345.3	1035.4	873.4	792.8	763.0	751.3	747.4
2210.1	15°	2123.2	1998.0	1627.8	1190.4	875.0	761.5	727.0	723.1	724.7	723.1
2341.6	17.5°	2232.0	2063.0	1548.8	1030.7	767.0	704.4	691.8	695.0	698.9	698.1
2488.7	20°	2351.0	2127.1	1447.8	889.0	693.4	663.7	656.6	659.7	662.9	661.3
2658.5	22.5°	2486.4	2196.0	1335.9	778.7	644.1	626.1	618.3	619.0	619.0	615.9
2873.8	25°	2648.4	2271.9	1218.5	700.4	606.5	592.4	583.0	579.9	575.2	565.8
3135.1	27.5°	2841.7	2352.5	1105.8	645.7	576.8	563.5	552.5	544.7	533.0	517.3
3449.0	30°	3059.2	2450.4	1010.4	611.2	553.3	540.0	527.5	515.7	498.5	479.0
3809.8	32.5°	3315.1	2555.2	940.7	588.5	532.2	518.1	503.2	489.1	470.4	450.8
4215.2	35°	3620.4	2682.0	900.0	572.9	515.7	497.0	480.5	464.9	450.8	433.6
4655.8	37.5°	3951.4	2816.6	887.5	565.0	504.8	475.8	457.0	446.1	444.5	434.3
5132.4	40°	4313.8	2976.3	896.9	560.4	493.0	455.5	435.1	432.8	436.7	418.7
5641.9	42.5°	4697.2	3165.7	912.5	554.9	476.6	435.1	415.6	415.6	412.4	387.4
6180.3	45°	5112.0	3384.0	928.2	541.6	457.0	414.8	399.9	394.4	381.1	356.9
6721.9	47.5°	5529.9	3606.3	939.9	517.3	433.6	397.6	384.3	371.7	352.2	330.3
7253.3	50°	5926.7	3805.8	927.4	481.3	407.0	381.1	367.0	349.8	328.7	313.8
7756.5	52.5°	6281.2	3978.8	874.2	439.0	378.8	363.9	351.4	333.4	316.2	300.5
8210.4	55°	6589.6	4118.9	780.3	399.1	353.7	349.0	336.5	313.8	290.3	277.0
8660.4	57.5°	6885.4	4225.3	662.9	366.3	331.0	332.6	313.8	293.5	271.6	257.5
9266.9	60°	7279.1	4367.8	543.9	335.7	306.8	311.5	291.1	276.3	248.9	230.9
10307.0	62.5°	7908.3	4589.2	432.0	298.2	278.6	280.2	271.6	253.6	220.7	199.6
11077.9	65°	8407.6	4507.8	340.4	257.5	246.5	248.9	248.9	229.3	194.1	169.8
11119.4	67.5°	8351.3	3859.8	271.6	217.6	216.0	217.6	223.0	206.6	172.2	152.6
10272.6	70°	7693.1	3070.2	217.6	180.8	187.8	183.9	199.6	188.6	155.0	135.4
7963.9	72.5°	6277.3	2211.7	165.9	149.5	144.0	150.3	180.0	169.8	129.1	107.2
4218.3	75°	3668.1	1180.2	123.7	118.2	104.1	125.2	159.7	144.8	98.6	79.0
1292.9	77.5°	1194.3	411.7	90.8	86.9	77.5	101.0	136.2	122.1	80.6	62.6
378.8	80°	320.1	124.4	61.8	57.1	50.1	75.1	108.0	97.0	57.9	40.7
162.8	82.5°	128.3	52.4	36.0	32.1	27.4	51.7	85.3	78.3	43.0	25.8
50.9	85°	41.5	17.2	13.3	10.2	12.5	32.1	50.9	53.2	30.5	13.3
7.8	87.5°	5.5	2.3	2.3	3.1	2.3	5.5	15.7	14.9	8.6	1.6
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°
1800.8
1587.9
1285.0
993.9
811.6
745.0
722.4
696.5
660.5
614.4
564.3
515.7
477.4
451.6
432.0
433.6
419.5
387.4
356.1
329.5
311.5
299.0
275.5
255.9
228.5
198.0
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