

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: P848036

Luminaire Tested: **GLAN-SB4B-930-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848036
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB4B-930-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 90 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15086 lumens
Efficiency: N/A
Efficacy: 102.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

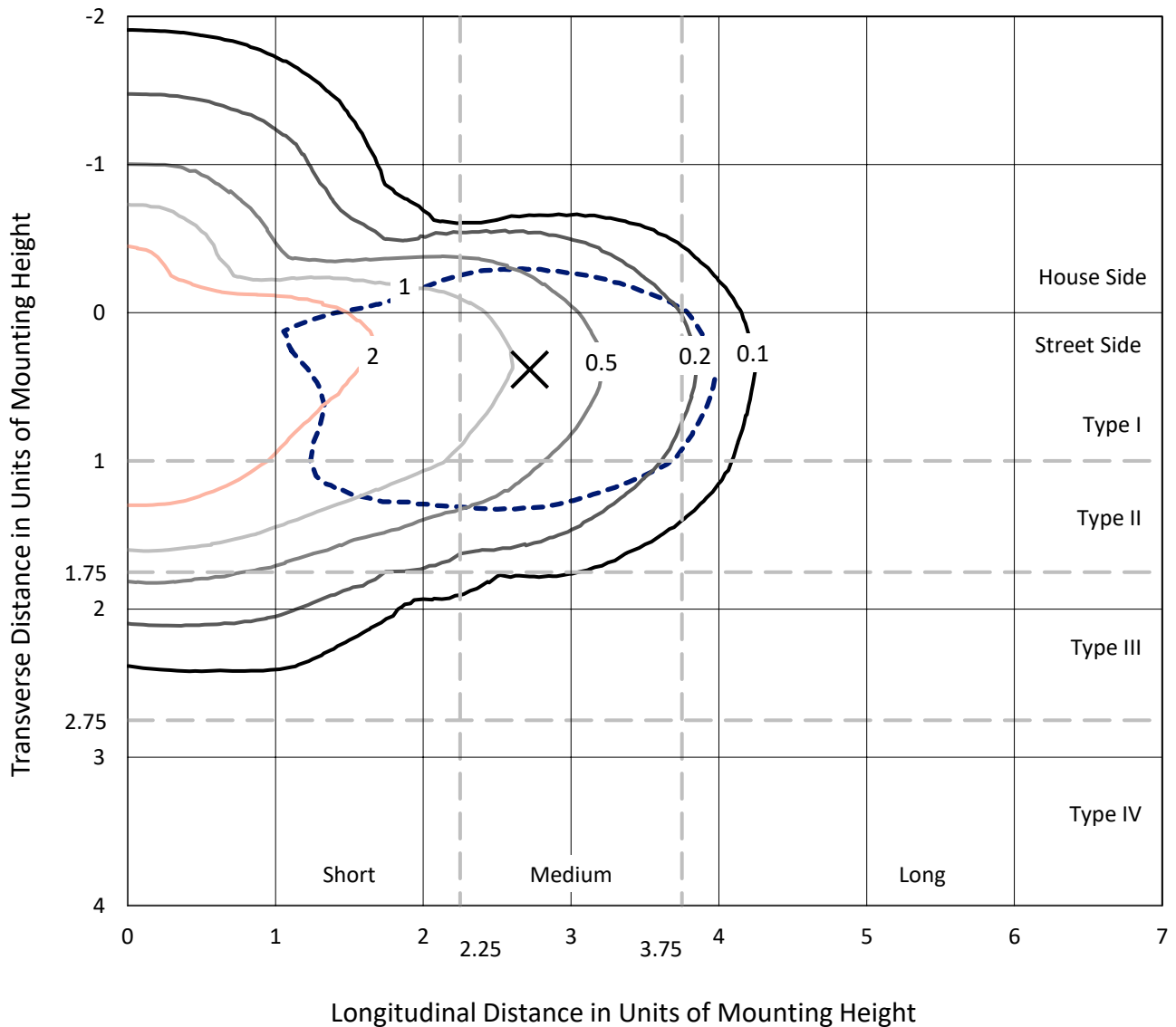
Input Watts (W): 147
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

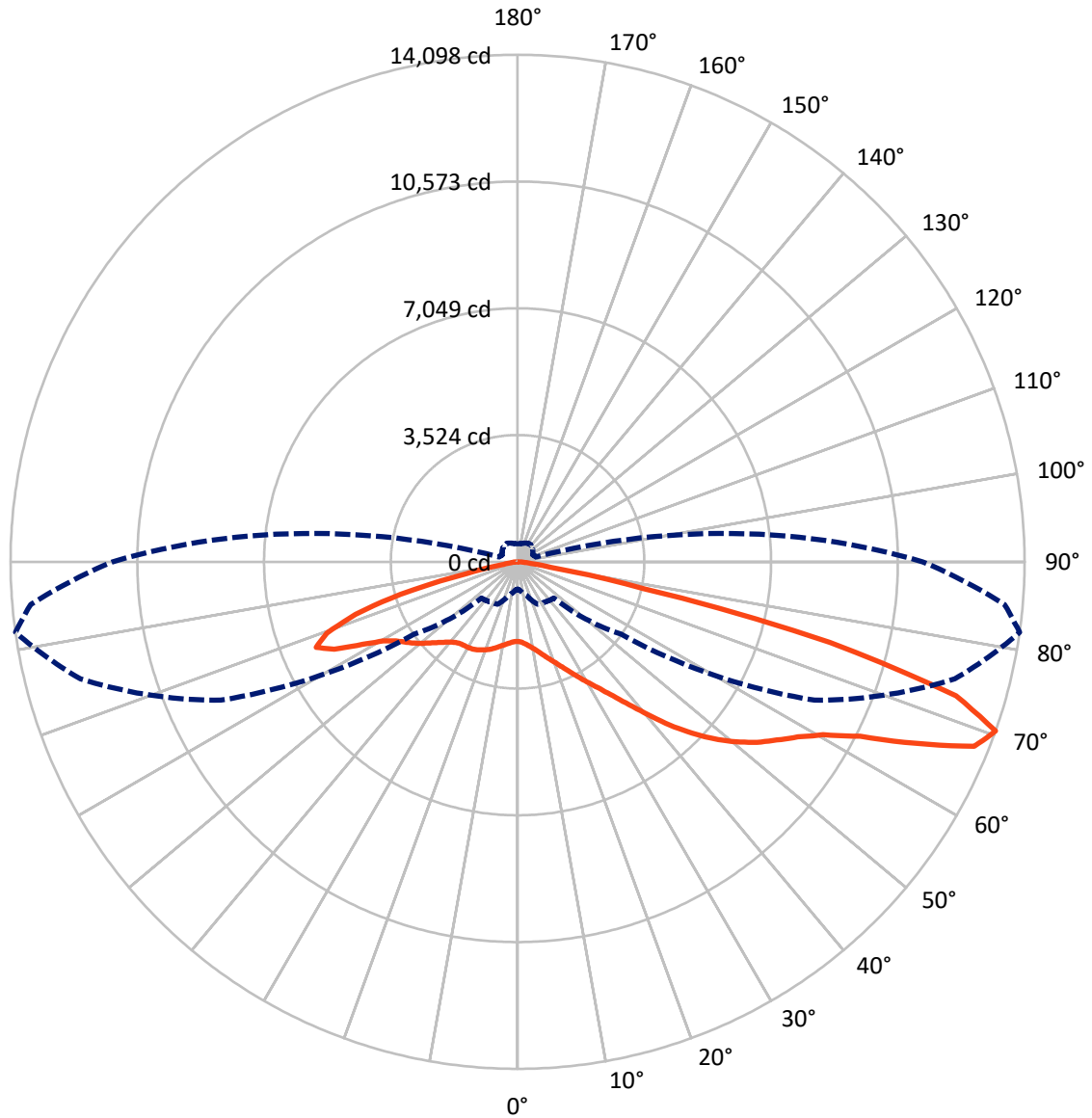
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3719.1	0.0	3719.1
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	11366.9	0.0	11366.9
	% Fixture	75.3	0.0	75.3
Total	Lumens	15086.0	0.0	15086.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	208.8	1.4
10°-20°	600.0	4.0
20°-30°	1003.7	6.7
30°-40°	1568.1	10.4
40°-50°	2497.3	16.6
50°-60°	3475.3	23.0
60°-70°	3635.4	24.1
70°-80°	1900.0	12.6
80°-90°	197.3	1.3
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°	15086.0	100.0
0°-180°	15086.0	100.0

Coefficient of Utilization

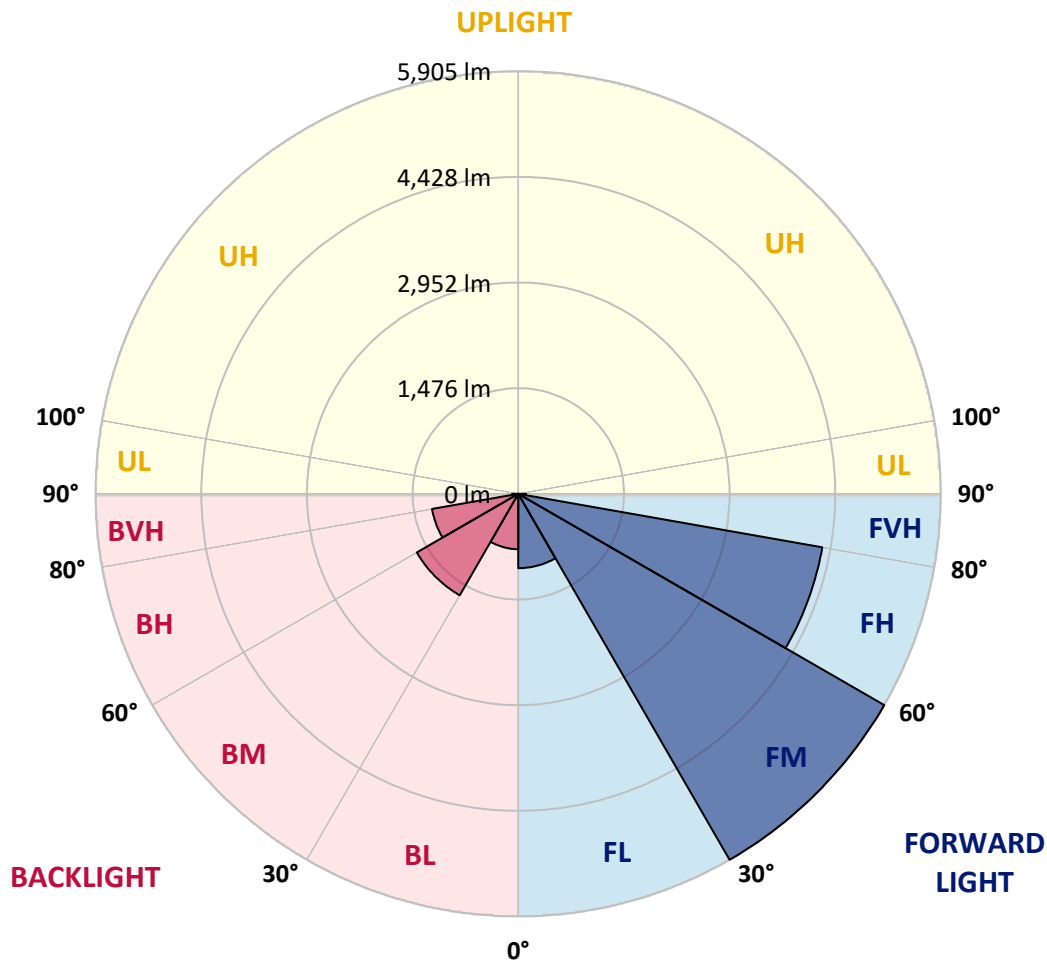


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1038.8	6.9			
FM (30°-60°)	5904.5	39.1			
FH (60°-80°)	4313.1	28.6			G2/5000
FVH (80°-90°)	110.4	0.7			G2/225
BL (0°-30°)	773.7	5.1	B2/1000		
BM (30°-60°)	1636.2	10.8	B2/2500		
BH (60°-80°)	1222.3	8.1	B3/2500		G3/2500
BVH (80°-90°)	86.8	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	2211.8	2211.8	2211.8	2211.8	2211.8	2211.8	2211.8	2211.8	2211.8	2211.8
2.5°	2264.6	2277.4	2273.4	2269.4	2269.4	2263.8	2263.0	2255.0	2248.6	2238.2
5°	2293.4	2307.1	2305.5	2308.7	2319.1	2321.5	2323.9	2319.1	2306.3	2293.4
7.5°	2267.8	2283.0	2287.8	2307.1	2339.1	2367.9	2389.5	2398.3	2386.3	2367.9
10°	2181.4	2198.2	2215.0	2260.6	2317.5	2385.5	2443.1	2477.6	2475.2	2457.6
12.5°	2006.1	2023.7	2059.7	2148.6	2252.6	2372.7	2480.0	2552.0	2576.8	2564.0
15°	1866.0	1881.2	1908.4	1999.7	2134.9	2317.5	2493.6	2633.7	2696.9	2689.7
17.5°	1862.0	1868.4	1885.2	1928.4	2032.5	2231.0	2479.2	2713.7	2834.6	2833.8
20°	1932.4	1934.8	1944.4	1953.2	2012.5	2165.4	2442.3	2780.2	2989.1	2989.1
22.5°	2030.1	2028.5	2038.1	2030.1	2058.9	2159.8	2419.1	2838.6	3161.2	3174.0
25°	2176.6	2168.6	2166.2	2147.8	2153.4	2211.8	2444.7	2905.0	3365.3	3391.7
27.5°	2371.9	2359.1	2350.3	2307.9	2293.4	2319.1	2523.2	2985.1	3592.7	3638.3
30°	2626.5	2603.2	2590.4	2516.8	2464.8	2468.8	2641.7	3091.6	3830.4	3904.1
32.5°	2973.9	2937.9	2903.4	2782.6	2687.3	2656.1	2794.6	3238.8	4088.2	4205.9
35°	3362.9	3334.1	3297.3	3110.8	2964.3	2892.2	3001.1	3444.6	4390.0	4576.5
37.5°	3737.6	3712.7	3730.4	3479.0	3290.1	3185.2	3271.7	3720.7	4762.2	5037.6
40°	4125.0	4105.8	4108.2	3868.0	3647.9	3530.2	3599.9	4067.4	5188.9	5585.9
42.5°	4546.1	4531.7	4483.6	4270.7	4023.3	3913.7	3977.7	4467.6	5646.8	6210.3
45°	5017.6	5008.8	4963.9	4719.8	4436.4	4313.1	4399.6	4909.5	6107.1	6797.9
47.5°	5425.0	5432.2	5426.6	5220.9	4927.1	4746.2	4849.5	5370.6	6535.3	7350.2
50°	5621.1	5658.8	5714.0	5650.0	5467.5	5283.3	5303.3	5815.7	6943.6	7868.2
52.5°	5518.7	5589.9	5740.4	5842.9	5913.3	5874.9	5821.3	6257.6	7327.8	8335.7
55°	5136.8	5236.9	5486.7	5734.0	6093.4	6372.8	6443.3	6747.5	7702.5	8747.1
57.5°	4441.2	4603.7	4827.8	5328.2	5933.3	6613.8	7168.5	7427.1	8099.5	9186.6
60°	3248.5	3466.2	3744.8	4489.2	5373.0	6484.9	7785.7	8470.9	8663.9	9755.8
62.5°	2078.9	2213.4	2469.6	3170.8	4186.6	5824.5	7974.6	9775.8	9620.5	10689.1
65°	1423.3	1509.8	1744.3	2138.1	2706.5	4335.5	7468.7	10754.0	11139.8	12168.5
67.5°	1034.3	1099.9	1300.0	1645.0	1763.5	2565.6	5795.7	10709.2	12616.8	13692.6
70°	754.1	800.5	968.6	1300.0	1356.9	1427.3	3511.0	9103.3	12584.7	14097.7
72.5°	558.8	590.8	703.6	1008.6	1098.3	963.8	1737.9	6616.2	10814.0	12751.2
75°	404.3	428.3	511.5	771.7	879.0	734.1	866.9	3866.4	7543.2	8969.7
77.5°	309.0	327.4	381.8	565.2	703.6	550.7	537.9	1778.7	3576.7	3594.3
80°	248.2	260.2	289.8	397.9	539.5	412.3	350.6	718.1	1130.3	956.6
82.5°	182.5	202.5	245.0	279.4	385.8	284.2	213.7	362.6	429.9	369.8
85°	104.1	117.7	148.1	200.1	246.6	173.7	122.5	160.9	200.1	164.1
87.5°	36.8	48.0	52.0	78.4	107.3	72.0	47.2	46.4	65.6	48.8
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°
2211.8	0°	2211.8	2211.8	2211.8	2211.8	2211.8	2211.8	2211.8	2211.8	2211.8	2211.8
2235.8	2.5°	2227.8	2223.8	2207.8	2186.2	2163.8	2142.2	2134.9	2119.7	2109.3	2103.7
2287.8	5°	2272.6	2259.8	2222.2	2174.2	2123.7	2069.3	2030.9	1995.7	1970.0	1946.0
2359.1	7.5°	2336.7	2314.3	2249.4	2165.4	2075.7	1985.3	1918.0	1866.8	1832.4	1809.9
2442.3	10°	2411.1	2376.7	2277.4	2151.8	2013.3	1883.6	1804.3	1760.3	1738.7	1726.7
2537.6	12.5°	2496.8	2447.9	2306.3	2120.5	1918.0	1769.9	1715.5	1702.7	1703.5	1704.3
2657.7	15°	2602.4	2534.4	2329.5	2052.5	1793.9	1682.7	1673.1	1693.9	1715.5	1725.9
2793.8	17.5°	2721.7	2625.7	2333.5	1940.4	1672.3	1626.6	1657.0	1701.9	1734.7	1749.1
2945.9	20°	2849.8	2718.5	2304.7	1781.9	1572.2	1581.0	1635.4	1693.1	1729.1	1747.5
3119.6	22.5°	2996.3	2817.8	2235.8	1615.4	1490.5	1531.4	1595.4	1651.4	1689.1	1707.5
3323.7	25°	3163.6	2929.0	2127.7	1475.3	1420.1	1475.3	1539.4	1585.8	1616.2	1633.0
3551.8	27.5°	3349.3	3045.1	1983.7	1364.1	1358.5	1417.7	1470.5	1506.6	1522.6	1535.4
3794.4	30°	3535.8	3150.8	1809.1	1280.0	1304.8	1360.9	1398.5	1414.5	1419.3	1421.7
4065.0	32.5°	3737.6	3242.0	1625.8	1210.4	1253.6	1305.6	1328.0	1335.2	1312.8	1297.6
4393.2	35°	3981.7	3339.7	1446.5	1155.1	1203.2	1248.0	1255.2	1248.8	1222.4	1191.2
4804.6	37.5°	4283.5	3461.4	1303.2	1115.9	1155.9	1185.5	1176.7	1175.1	1177.5	1140.7
5299.3	40°	4653.3	3619.9	1198.4	1085.5	1117.5	1123.9	1099.1	1112.7	1124.7	1068.7
5842.1	42.5°	5064.0	3811.2	1131.9	1064.7	1085.5	1070.3	1031.9	1047.1	1045.5	971.8
6387.2	45°	5482.7	4019.3	1108.7	1049.5	1055.9	1025.4	983.0	987.0	953.4	887.0
6910.0	47.5°	5898.9	4242.7	1123.1	1036.7	1019.0	984.6	951.8	934.2	884.6	834.9
7411.1	50°	6307.2	4477.2	1175.9	1011.0	968.6	948.6	924.6	893.4	840.5	798.1
7885.0	52.5°	6685.8	4713.4	1235.2	968.6	905.4	917.4	902.2	866.1	814.1	770.9
8333.3	55°	7044.4	4949.5	1258.4	910.2	846.1	890.2	881.4	814.9	752.5	717.3
8802.4	57.5°	7435.1	5233.7	1232.8	835.7	798.1	858.9	825.3	751.7	715.7	689.2
9413.1	60°	7976.2	5679.6	1177.5	743.7	752.5	812.5	754.9	724.5	685.2	655.6
10328.9	62.5°	8875.2	6511.3	1088.7	652.4	698.8	743.7	721.3	690.8	650.8	622.0
11894.7	65°	10204.0	7667.2	921.4	581.2	638.8	676.4	685.2	654.8	613.2	582.8
13266.8	67.5°	11324.7	8392.5	697.2	521.9	577.2	622.0	646.8	617.2	573.2	543.5
13587.8	70°	11263.1	7865.8	532.3	463.5	522.7	568.4	600.4	577.2	529.9	501.9
12342.2	72.5°	10003.9	6580.2	430.7	404.3	467.5	512.3	550.7	533.1	485.1	457.9
9041.7	75°	7349.4	4670.9	344.2	344.2	398.7	453.9	496.3	485.1	441.1	421.9
3796.0	77.5°	3098.0	1959.6	269.8	285.8	331.4	389.8	442.7	446.7	408.3	432.3
1003.8	80°	823.7	540.3	205.7	224.9	260.2	321.8	385.0	383.4	341.8	319.4
373.0	82.5°	313.8	212.9	146.5	158.5	188.1	246.6	305.0	314.6	273.0	236.1
146.5	85°	120.9	91.3	90.5	95.3	109.7	163.3	230.5	238.6	205.7	174.5
40.8	87.5°	31.2	27.2	33.6	32.0	50.4	87.3	132.1	136.9	125.7	72.8
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°
2211.8
2110.1
1955.6
1814.7
1729.9
1705.9
1725.1
1752.3
1752.3
1712.3
1637.8
1540.2
1427.3
1302.4
1192.8
1143.1
1070.3
971.0
889.4
834.9
794.9
771.7
714.1
686.8
654.0
622.0
584.4
544.3
504.3
457.9
416.3
392.2
297.0
236.1
180.1
104.1
0.0

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