

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: P846668

Luminaire Tested: **GLAN-SB2B-927-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846668
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB2B-927-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 90 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7257 lumens
Efficiency: N/A
Efficacy: 98.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

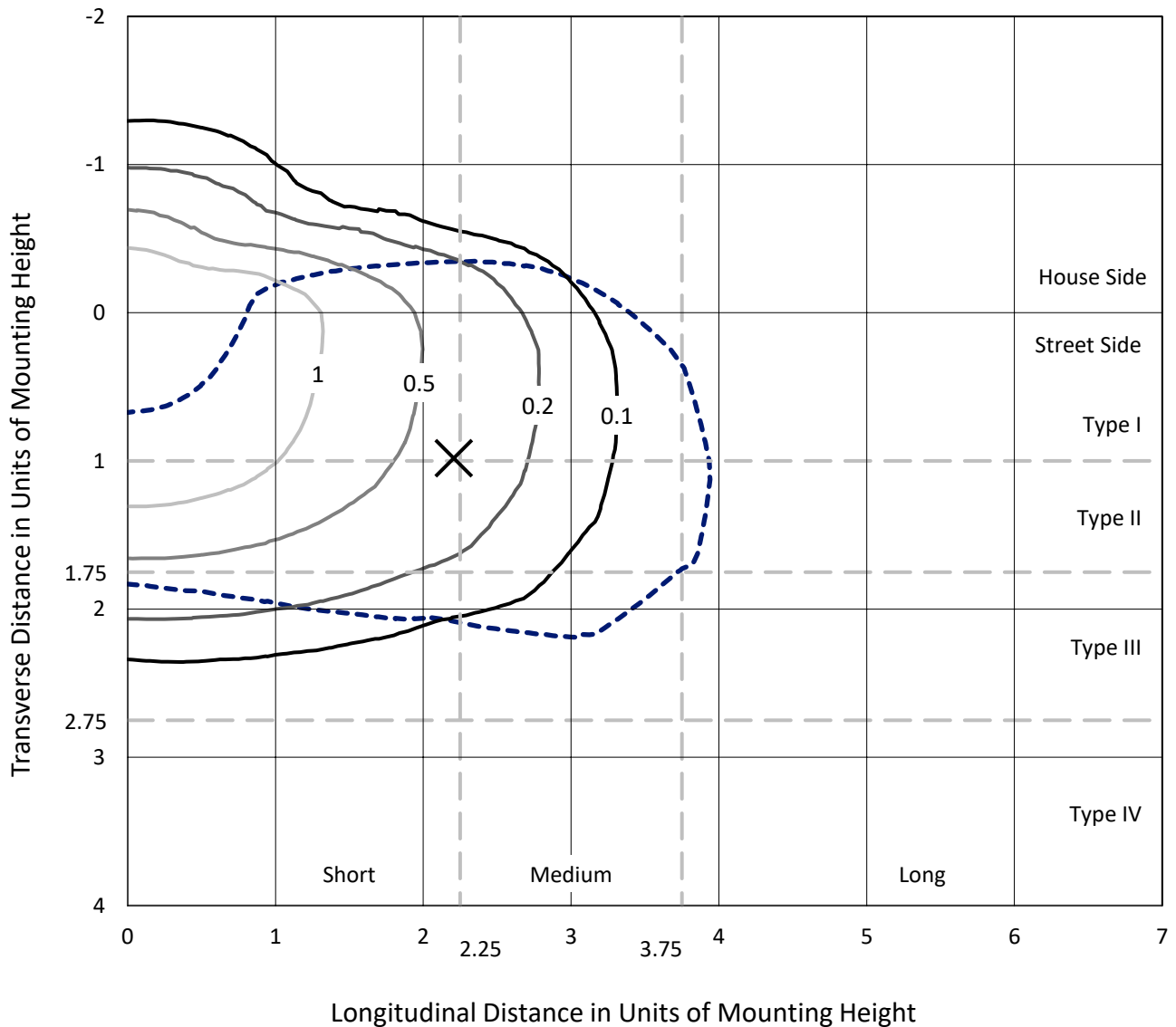
Input Watts (W): 73.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

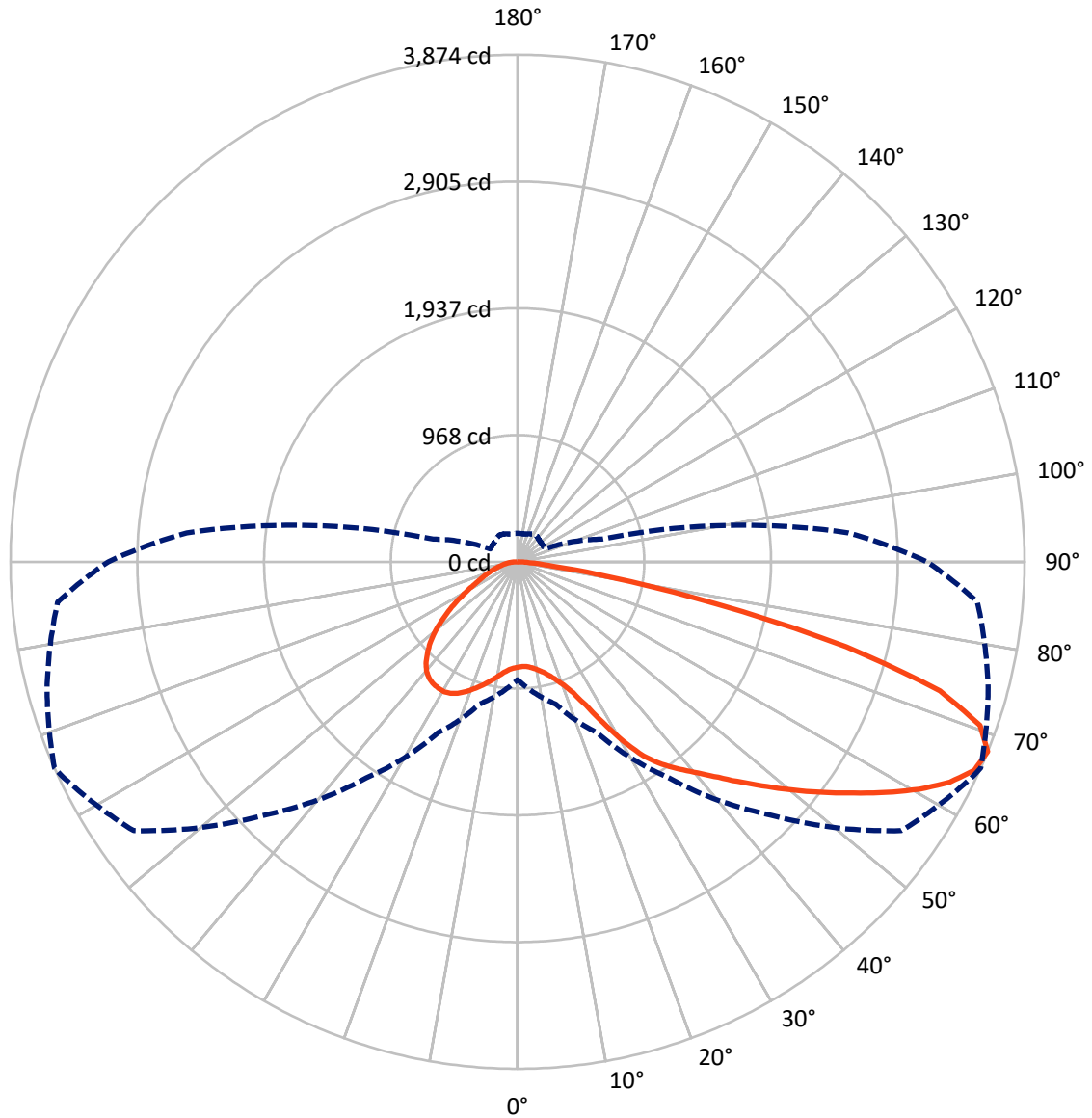
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.8 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1804.4	0.0	1804.4
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	5452.6	0.0	5452.6
	% Fixture	75.1	0.0	75.1
Total	Lumens	7257.0	0.0	7257.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.8	1.1
10°-20°	263.7	3.6
20°-30°	508.2	7.0
30°-40°	891.0	12.3
40°-50°	1324.7	18.3
50°-60°	1679.2	23.1
60°-70°	1643.0	22.6
70°-80°	783.7	10.8
80°-90°	83.8	1.2
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°	7257.0	100.0
0°-180°	7257.0	100.0

Coefficient of Utilization



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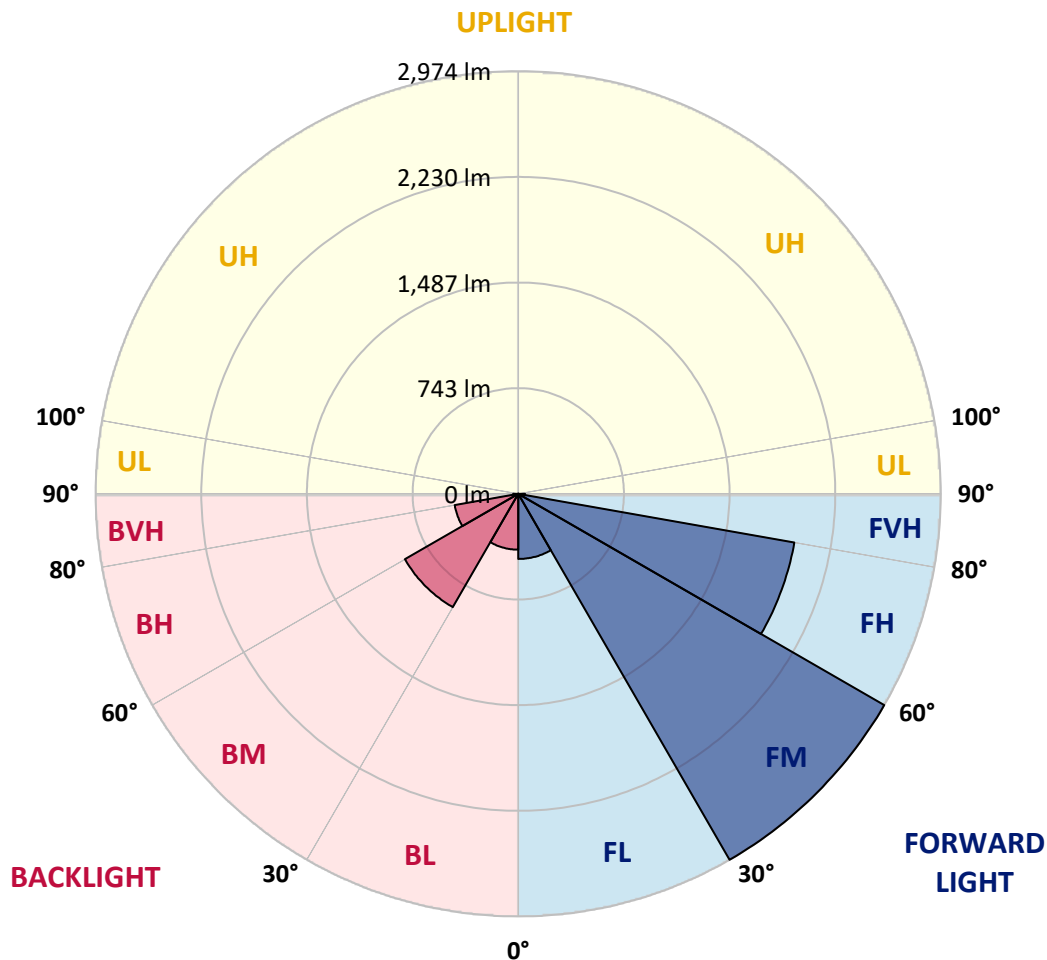
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	458.6	6.3			
FM (30°-60°)	2973.9	41.0			
FH (60°-80°)	1972.7	27.2			G2/5000
FVH (80°-90°)	47.5	0.7			G1/100
BL (0°-30°)	393.1	5.4	B1/500		
BM (30°-60°)	921.0	12.7	B1/1000		
BH (60°-80°)	454.1	6.3	B1/500		G1/500
BVH (80°-90°)	36.3	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	804.9	804.9	804.9	804.9	804.9	804.9	804.9	804.9	804.9	804.9
2.5°	796.5	801.1	799.9	798.0	797.7	798.4	799.6	800.7	800.3	802.2
5°	794.2	798.8	798.4	798.4	799.9	803.0	804.9	806.8	804.9	807.2
7.5°	795.7	799.2	800.7	802.2	806.0	811.8	816.3	820.5	818.2	820.9
10°	815.2	817.9	819.4	819.4	822.1	828.5	833.1	840.7	838.8	843.0
12.5°	850.7	853.3	853.3	851.8	853.7	857.9	859.4	867.8	864.4	871.2
15°	894.1	899.5	895.3	892.6	893.4	897.5	897.2	903.7	900.2	905.9
17.5°	942.2	949.0	942.2	941.8	940.3	944.8	945.2	950.9	944.8	949.0
20°	999.0	1008.5	1002.8	1004.7	1001.3	1003.2	1005.1	1013.5	1003.9	1007.0
22.5°	1079.0	1090.5	1084.4	1091.6	1089.3	1087.8	1087.4	1102.3	1087.4	1088.6
25°	1195.7	1209.4	1198.8	1208.7	1208.7	1213.6	1219.4	1238.4	1213.6	1206.4
27.5°	1368.1	1381.8	1360.8	1366.9	1365.0	1377.2	1371.1	1418.4	1391.7	1379.9
30°	1575.5	1599.9	1560.2	1558.7	1556.8	1576.2	1585.0	1616.3	1589.2	1577.4
32.5°	1799.7	1825.2	1777.9	1764.2	1757.0	1768.8	1761.5	1786.7	1768.0	1749.7
35°	2036.8	2062.0	2017.0	1990.3	1961.3	1936.6	1910.6	1917.1	1899.6	1871.7
37.5°	2261.0	2307.2	2259.5	2230.9	2177.5	2129.1	2056.7	2026.5	2010.1	1984.6
40°	2489.4	2515.7	2479.5	2455.1	2397.2	2321.3	2205.4	2141.7	2119.6	2094.8
42.5°	2657.6	2682.7	2663.3	2646.5	2601.1	2513.1	2363.2	2283.5	2251.5	2223.7
45°	2791.0	2809.7	2797.5	2803.6	2784.2	2698.8	2526.8	2435.7	2402.5	2368.6
47.5°	2844.8	2864.6	2884.1	2920.3	2953.5	2890.5	2702.6	2600.4	2565.3	2530.6
50°	2838.7	2858.9	2915.3	2992.3	3095.3	3074.3	2887.9	2775.8	2743.4	2703.7
52.5°	2789.9	2812.8	2885.2	3013.3	3177.3	3212.0	3076.6	2956.9	2926.4	2879.1
55°	2661.8	2675.5	2784.2	2965.7	3196.7	3308.0	3261.5	3149.8	3119.3	3053.3
57.5°	2424.2	2444.1	2602.3	2837.2	3147.9	3373.2	3424.0	3352.7	3323.3	3228.4
60°	2114.2	2145.9	2327.0	2621.3	3023.6	3372.9	3571.5	3552.1	3527.7	3400.7
62.5°	1763.5	1800.1	1974.3	2316.3	2806.3	3277.2	3663.8	3719.1	3706.5	3559.7
65°	1354.3	1379.5	1553.0	1921.7	2468.1	3071.6	3674.5	3833.1	3835.4	3680.6
67.5°	901.7	974.2	1124.8	1442.0	2015.1	2735.7	3580.7	3851.8	3873.9	3722.1
70°	440.0	535.3	682.9	937.2	1442.0	2220.6	3335.5	3698.5	3747.7	3600.9
72.5°	182.6	213.5	294.0	462.5	827.8	1498.5	2842.9	3282.9	3374.0	3190.6
75°	123.2	133.5	168.1	237.2	377.1	738.9	2050.2	2447.9	2594.7	2409.7
77.5°	94.9	101.4	122.4	165.9	224.2	279.5	1097.3	1475.2	1551.1	1435.9
80°	74.7	79.7	91.5	120.9	159.0	149.5	374.0	668.4	712.2	597.5
82.5°	64.8	66.7	65.6	82.0	105.6	87.3	122.8	246.7	272.2	197.5
85°	46.9	52.2	54.5	50.7	56.0	44.2	50.3	87.3	96.1	85.8
87.5°	19.1	28.2	34.7	32.8	20.6	12.6	15.6	25.5	29.4	32.0
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°
804.9	0°	804.9	804.9	804.9	804.9	804.9	804.9	804.9	804.9	804.9	804.9
805.3	2.5°	805.7	808.3	810.2	812.5	814.0	816.3	820.9	823.6	824.0	825.9
811.4	5°	812.9	816.7	820.9	827.0	833.9	839.6	848.4	854.5	856.8	858.7
826.2	7.5°	828.5	833.9	841.5	852.2	862.1	869.7	880.4	887.6	894.9	897.5
849.9	10°	851.8	859.4	870.5	885.0	895.6	905.6	916.6	922.7	930.0	933.0
878.1	12.5°	880.8	888.8	903.3	923.5	933.4	940.3	944.1	942.5	944.1	946.7
912.0	15°	913.9	922.7	939.1	960.8	967.7	961.6	953.2	945.6	944.4	945.2
953.2	17.5°	953.2	959.7	978.8	997.1	992.1	966.9	948.6	936.4	930.3	928.4
1005.8	20°	1008.1	1008.1	1023.8	1035.2	1002.0	959.3	930.7	910.9	898.3	893.0
1077.5	22.5°	1074.8	1068.7	1078.7	1070.7	1000.1	938.0	898.3	864.0	844.9	837.3
1177.8	25°	1159.5	1152.2	1149.6	1100.0	986.4	904.0	839.6	798.0	781.3	777.1
1322.3	27.5°	1287.2	1268.9	1234.2	1116.0	961.2	850.7	771.0	732.5	722.9	723.3
1508.0	30°	1457.3	1420.7	1335.6	1118.7	920.0	775.2	700.8	673.4	668.8	670.7
1663.9	32.5°	1614.8	1580.1	1439.4	1106.5	856.8	701.2	637.9	619.6	612.7	615.0
1782.9	35°	1738.3	1728.8	1535.4	1089.3	779.0	631.8	581.5	565.8	552.5	549.4
1895.0	37.5°	1855.0	1851.1	1607.5	1065.3	701.9	582.6	536.1	515.5	496.1	485.4
2018.9	40°	1983.1	1979.3	1654.8	1028.3	633.7	539.9	495.3	468.2	444.2	424.8
2159.2	42.5°	2127.2	2104.7	1677.3	975.3	575.7	503.7	462.1	425.5	393.9	375.9
2317.8	45°	2284.7	2234.0	1676.9	907.8	526.9	470.5	426.7	374.8	345.4	328.7
2480.7	47.5°	2451.7	2357.5	1656.3	833.1	479.7	433.9	371.8	332.1	312.7	302.4
2657.6	50°	2624.0	2473.0	1621.2	747.3	431.2	392.3	337.4	310.4	295.5	286.0
2833.0	52.5°	2786.1	2577.9	1578.9	650.1	382.0	351.9	322.2	301.2	285.6	274.9
3003.0	55°	2936.7	2668.2	1519.0	550.6	342.0	324.9	314.9	297.4	279.5	266.9
3175.7	57.5°	3070.5	2727.0	1415.7	457.2	313.4	306.2	307.3	290.9	270.3	259.7
3345.8	60°	3181.8	2770.1	1262.8	370.6	290.2	287.9	295.5	278.7	254.7	242.5
3489.5	62.5°	3248.6	2769.3	1075.2	303.5	270.3	271.1	279.9	263.5	239.1	227.6
3564.7	65°	3242.8	2701.4	869.3	259.7	251.3	252.0	263.5	246.7	226.1	219.2
3526.9	67.5°	3128.1	2535.9	666.9	231.1	230.3	233.7	247.1	235.3	218.1	217.3
3301.9	70°	2817.3	2192.4	480.4	208.2	208.6	213.5	231.1	228.0	213.9	215.4
2776.2	72.5°	2259.1	1671.6	322.6	184.2	184.5	192.6	215.8	222.3	209.7	229.9
1969.7	75°	1504.6	1042.4	207.4	158.6	159.0	169.3	202.5	211.2	198.3	229.2
1024.9	77.5°	722.9	468.6	150.2	133.5	133.5	143.0	175.0	189.1	168.9	178.1
329.4	80°	249.7	176.2	118.2	107.5	105.2	111.7	147.6	164.0	145.7	134.2
107.5	82.5°	98.4	91.5	94.9	83.5	75.9	80.1	114.8	135.4	107.1	96.8
60.6	85°	56.4	59.5	67.1	55.3	43.8	49.2	84.3	97.2	80.8	71.3
19.8	87.5°	15.3	21.0	30.9	28.6	19.8	21.0	40.0	53.8	46.5	35.8
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°
804.9
825.5
858.3
897.9
934.5
947.5
947.9
931.1
891.8
836.2
777.8
724.4
677.2
618.1
551.7
485.8
426.7
377.1
327.9
300.1
282.5
270.3
261.9
252.8
237.2
224.2
218.9
218.5
215.0
233.0
231.1
163.2
125.8
96.5
72.8
37.0
0.0

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