

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: P846956

Luminaire Tested: **GLAN-SB2D-827-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846956
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-SB2D-827-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 80 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16077 lumens
Efficiency: N/A
Efficacy: 108.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

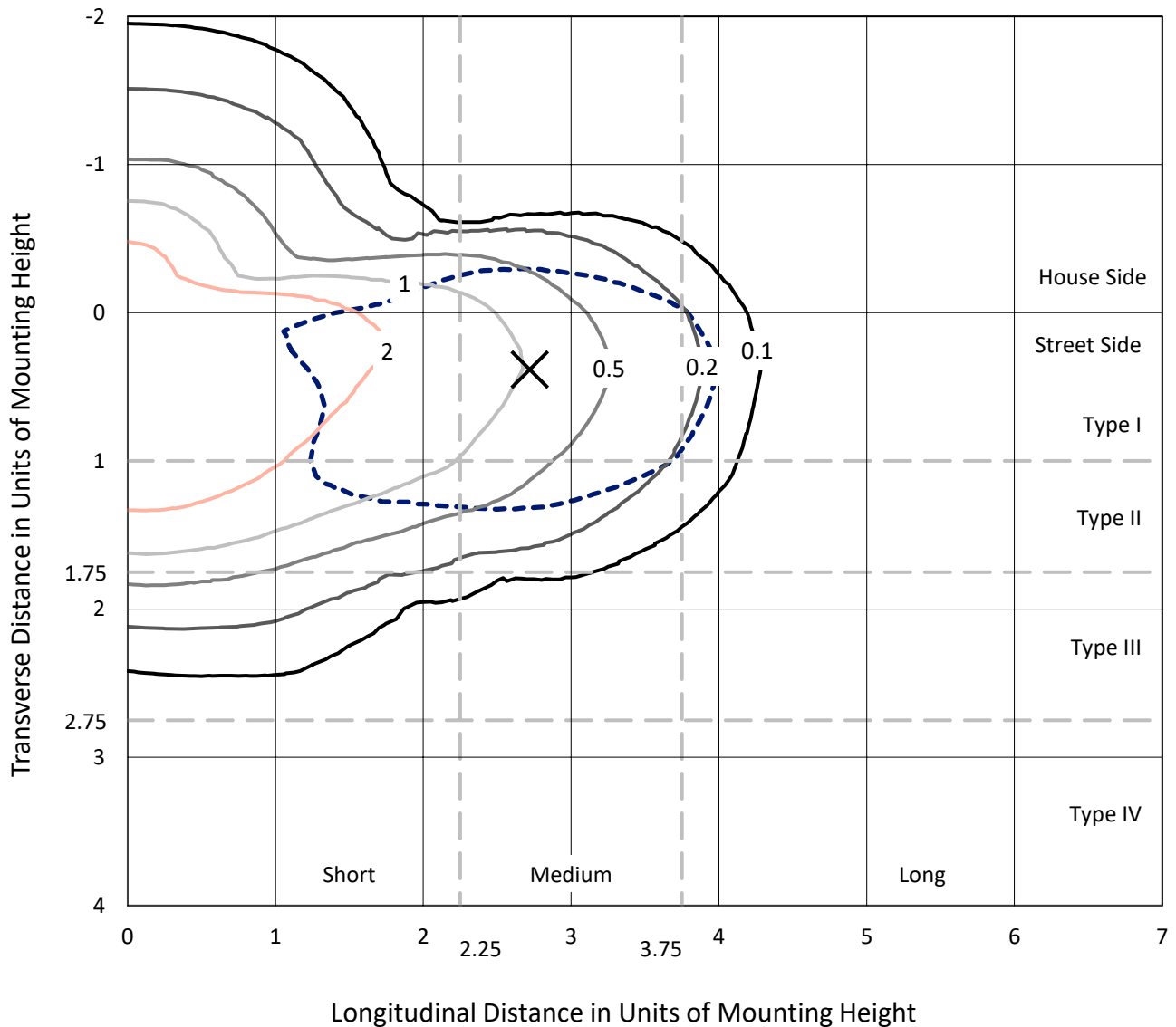
Input Watts (W): 147.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

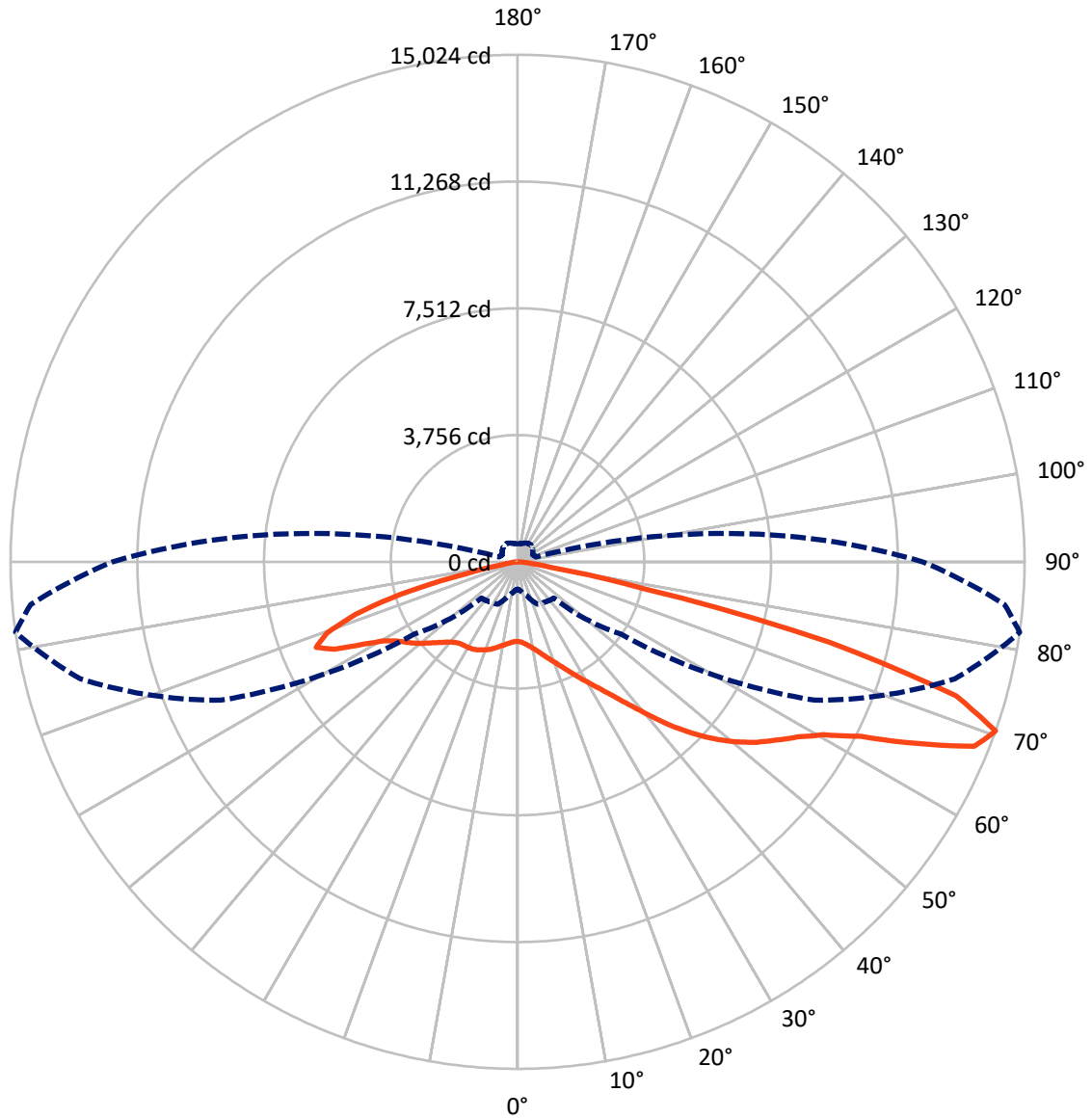
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.3 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	3963.4	0.0	3963.4
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	12113.6	0.0	12113.6
	% Fixture	75.3	0.0	75.3
Total	Lumens	16077.0	0.0	16077.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	222.6	1.4
10°-20°	639.4	4.0
20°-30°	1069.7	6.7
30°-40°	1671.1	10.4
40°-50°	2661.4	16.6
50°-60°	3703.6	23.0
60°-70°	3874.2	24.1
70°-80°	2024.9	12.6
80°-90°	210.3	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°	16077.0	100.0
0°-180°	16077.0	100.0

Coefficient of Utilization

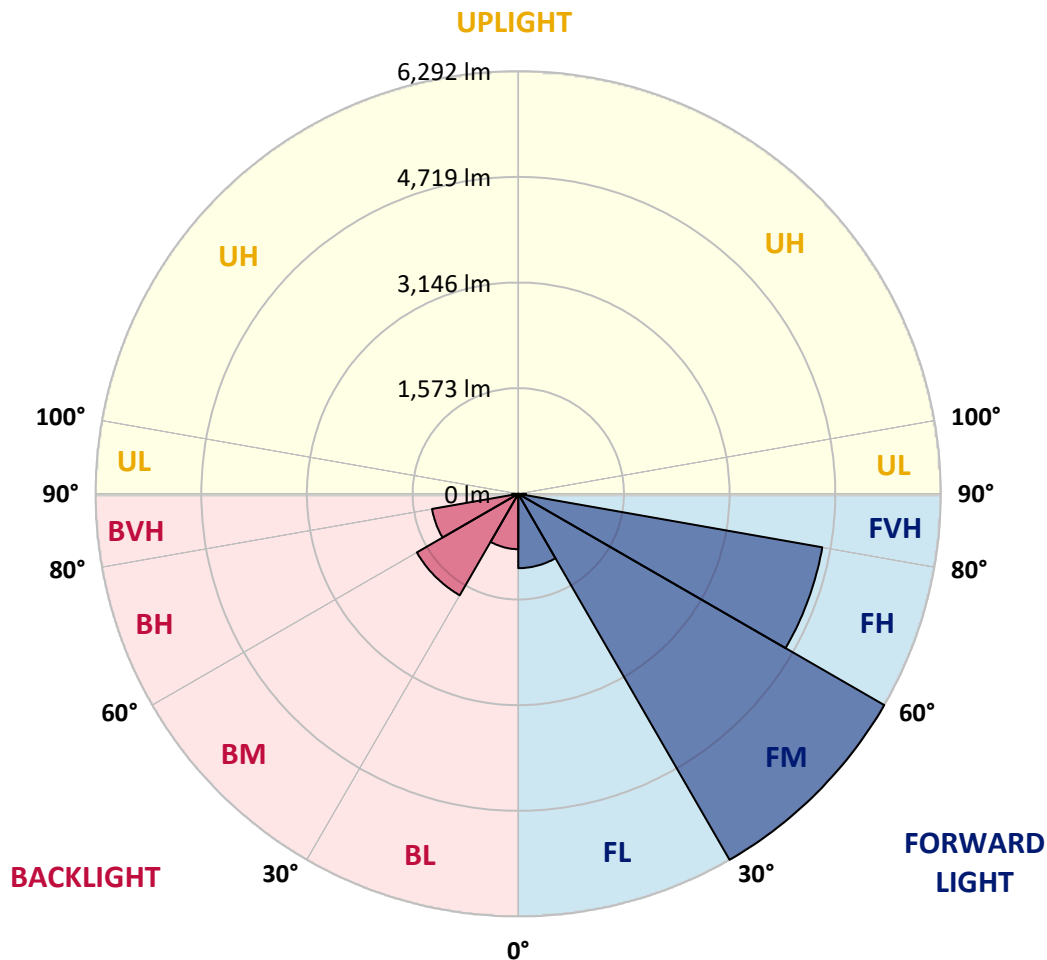


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1107.1	6.9			
FM (30°-60°)	6292.4	39.1			
FH (60°-80°)	4596.5	28.6			G2/5000
FVH (80°-90°)	117.7	0.7			G2/225
BL (0°-30°)	824.5	5.1	B2/1000		
BM (30°-60°)	1743.7	10.8	B2/2500		
BH (60°-80°)	1302.6	8.1	B3/2500		G3/2500
BVH (80°-90°)	92.6	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°	2357.1	2357.1	2357.1	2357.1	2357.1	2357.1	2357.1	2357.1	2357.1	2357.1
2.5°	2413.4	2427.0	2422.8	2418.5	2418.5	2412.5	2411.7	2403.2	2396.3	2385.2
5°	2444.1	2458.6	2456.9	2460.3	2471.4	2474.0	2476.5	2471.4	2457.8	2444.1
7.5°	2416.8	2433.0	2438.1	2458.6	2492.7	2523.4	2546.5	2555.9	2543.1	2523.4
10°	2324.7	2342.6	2360.5	2409.1	2469.7	2542.2	2603.6	2640.3	2637.8	2619.0
12.5°	2137.8	2156.6	2195.0	2289.7	2400.6	2528.6	2642.9	2719.7	2746.1	2732.4
15°	1988.6	2004.8	2033.8	2131.0	2275.2	2469.7	2657.4	2806.7	2874.1	2866.4
17.5°	1984.3	1991.1	2009.0	2055.1	2166.0	2377.6	2642.0	2892.0	3020.8	3019.9
20°	2059.4	2061.9	2072.2	2081.5	2144.7	2307.6	2602.8	2962.8	3185.4	3185.4
22.5°	2163.4	2161.7	2172.0	2163.4	2194.1	2301.6	2578.0	3025.1	3368.9	3382.5
25°	2319.6	2311.0	2308.5	2288.8	2294.8	2357.1	2605.3	3095.9	3586.4	3614.5
27.5°	2527.7	2514.1	2504.7	2459.5	2444.1	2471.4	2688.9	3181.2	3828.7	3877.3
30°	2799.0	2774.3	2760.6	2682.1	2626.7	2630.9	2815.2	3294.6	4082.0	4160.5
32.5°	3169.2	3130.8	3094.2	2965.3	2863.8	2830.6	2978.1	3451.6	4356.7	4482.1
35°	3583.8	3553.1	3513.9	3315.1	3159.0	3082.2	3198.2	3670.8	4678.3	4877.1
37.5°	3983.1	3956.6	3975.4	3707.5	3506.2	3394.4	3486.6	3965.2	5075.0	5368.5
40°	4396.0	4375.5	4378.1	4122.1	3887.5	3762.1	3836.3	4334.6	5529.7	5952.9
42.5°	4844.7	4829.3	4778.2	4551.2	4287.6	4170.8	4239.0	4761.1	6017.7	6618.3
45°	5347.2	5337.8	5290.0	5029.8	4727.8	4596.5	4688.6	5232.0	6508.2	7244.4
47.5°	5781.4	5789.1	5783.1	5563.9	5250.8	5058.0	5168.0	5723.4	6964.6	7833.1
50°	5990.4	6030.5	6089.4	6021.1	5826.6	5630.4	5651.7	6197.7	7399.7	8385.0
52.5°	5881.2	5957.1	6117.5	6226.7	6301.8	6260.8	6203.7	6668.6	7809.2	8883.2
55°	5474.3	5580.9	5847.1	6110.7	6493.7	6791.5	6866.5	7190.7	8208.4	9321.7
57.5°	4732.9	4906.1	5145.0	5678.2	6323.1	7048.2	7639.4	7915.0	8631.6	9790.1
60°	3461.8	3693.9	3990.8	4784.1	5725.9	6910.9	8297.2	9027.4	9233.0	10396.6
62.5°	2215.5	2358.8	2631.8	3379.1	4461.7	6207.1	8498.5	10417.9	10252.4	11391.3
65°	1516.8	1608.9	1858.9	2278.6	2884.3	4620.3	7959.3	11460.4	11871.6	12967.8
67.5°	1102.2	1172.1	1385.4	1753.1	1879.4	2734.2	6176.4	11412.6	13445.6	14592.1
70°	803.6	853.1	1032.2	1385.4	1446.0	1521.1	3741.7	9701.3	13411.4	15023.8
72.5°	595.5	629.6	749.9	1074.9	1170.4	1027.1	1852.1	7050.8	11524.4	13588.9
75°	430.8	456.4	545.1	822.4	936.7	782.3	923.9	4120.4	8038.7	9558.9
77.5°	329.3	348.9	406.9	602.3	749.9	586.9	573.3	1895.6	3811.6	3830.4
80°	264.5	277.3	308.8	424.0	575.0	439.3	373.7	765.2	1204.6	1019.4
82.5°	194.5	215.8	261.0	297.7	411.2	302.8	227.8	386.5	458.1	394.1
85°	110.9	125.4	157.8	213.3	262.8	185.1	130.5	171.5	213.3	174.9
87.5°	39.2	51.2	55.5	83.6	114.3	76.8	50.3	49.5	70.0	52.0
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°
2357.1	0°	2357.1	2357.1	2357.1	2357.1	2357.1	2357.1	2357.1	2357.1	2357.1	2357.1
2382.7	2.5°	2374.2	2369.9	2352.8	2329.8	2305.9	2282.9	2275.2	2259.0	2247.9	2241.9
2438.1	5°	2421.9	2408.3	2368.2	2317.0	2263.2	2205.2	2164.3	2126.8	2099.5	2073.9
2514.1	7.5°	2490.2	2466.3	2397.2	2307.6	2212.1	2115.7	2044.0	1989.4	1952.7	1928.8
2602.8	10°	2569.5	2532.8	2427.0	2293.1	2145.5	2007.3	1922.9	1875.9	1852.9	1840.1
2704.3	12.5°	2660.8	2608.8	2457.8	2259.8	2044.0	1886.2	1828.2	1814.5	1815.4	1816.2
2832.3	15°	2773.4	2700.9	2482.5	2187.3	1911.8	1793.2	1783.0	1805.1	1828.2	1839.3
2977.3	17.5°	2900.5	2798.1	2486.8	2067.9	1782.1	1733.5	1765.9	1813.7	1848.6	1864.0
3139.4	20°	3037.0	2897.1	2456.0	1899.0	1675.5	1684.9	1742.9	1804.3	1842.7	1862.3
3324.5	22.5°	3193.1	3002.9	2382.7	1721.5	1588.5	1632.0	1700.2	1759.9	1800.0	1819.6
3542.0	25°	3371.4	3121.5	2267.5	1572.2	1513.4	1572.2	1640.5	1690.0	1722.4	1740.3
3785.2	27.5°	3569.3	3245.2	2114.0	1453.7	1447.7	1510.8	1567.1	1605.5	1622.6	1636.2
4043.6	30°	3768.1	3357.8	1928.0	1364.1	1390.5	1450.3	1490.3	1507.4	1512.5	1515.1
4332.0	32.5°	3983.1	3455.0	1732.6	1289.9	1335.9	1391.4	1415.3	1423.0	1399.1	1382.9
4681.8	35°	4243.3	3559.1	1541.5	1231.0	1282.2	1330.0	1337.6	1330.8	1302.7	1269.4
5120.2	37.5°	4564.9	3688.8	1388.8	1189.2	1231.9	1263.4	1254.0	1252.3	1254.9	1215.7
5647.5	40°	4959.0	3857.7	1277.1	1156.8	1190.9	1197.7	1171.3	1185.8	1198.6	1138.9
6225.9	42.5°	5396.7	4061.6	1206.3	1134.6	1156.8	1140.6	1099.6	1115.8	1114.1	1035.7
6806.8	45°	5842.8	4283.4	1181.5	1118.4	1125.2	1092.8	1047.6	1051.9	1016.0	945.2
7363.9	47.5°	6286.4	4521.4	1196.9	1104.8	1086.0	1049.3	1014.3	995.6	942.7	889.8
7897.9	50°	6721.5	4771.3	1253.2	1077.5	1032.2	1010.9	985.3	952.0	895.7	850.5
8402.9	52.5°	7125.0	5023.0	1316.3	1032.2	964.8	977.6	961.4	923.0	867.6	821.5
8880.7	55°	7507.2	5274.7	1341.1	970.0	901.7	948.6	939.3	868.4	801.9	764.4
9380.6	57.5°	7923.5	5577.5	1313.8	890.6	850.5	915.4	879.5	801.1	762.7	734.5
10031.5	60°	8500.2	6052.7	1254.9	792.5	801.9	865.9	804.5	772.0	730.2	698.7
11007.4	62.5°	9458.2	6939.0	1160.2	695.3	744.7	792.5	768.6	736.2	693.6	662.9
12676.1	65°	10874.3	8170.9	981.9	619.3	680.8	720.9	730.2	697.8	653.5	621.0
14138.3	67.5°	12068.7	8943.8	743.0	556.2	615.1	662.9	689.3	657.7	610.8	579.2
14480.4	70°	12003.0	8382.5	567.3	493.9	557.1	605.7	639.8	615.1	564.7	534.9
13153.0	72.5°	10661.1	7012.4	459.0	430.8	498.2	546.0	586.9	568.2	517.0	488.0
9635.7	75°	7832.2	4977.8	366.8	366.8	424.8	483.7	528.9	517.0	470.1	449.6
4045.4	77.5°	3301.5	2088.4	287.5	304.6	353.2	415.5	471.8	476.0	435.1	460.7
1069.8	80°	877.8	575.8	219.2	239.7	277.3	342.9	410.3	408.6	364.3	340.4
397.5	82.5°	334.4	226.9	156.1	168.9	200.5	262.8	325.0	335.3	290.9	251.7
156.1	85°	128.8	97.3	96.4	101.5	116.9	174.0	245.7	254.2	219.2	186.0
43.5	87.5°	33.3	29.0	35.8	34.1	53.7	93.0	140.8	145.9	133.9	77.6
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°
2357.1
2248.7
2084.1
1934.0
1843.5
1817.9
1838.4
1867.4
1867.4
1824.8
1745.4
1641.3
1521.1
1388.0
1271.1
1218.2
1140.6
1034.8
947.8
889.8
847.1
822.4
761.0
732.0
697.0
662.9
622.8
580.1
537.4
488.0
443.6
418.0
316.5
251.7
191.9
110.9
0.0

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