

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: P847126

Luminaire Tested: **GLAN-SB3A-827-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847126
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-SB3A-827-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 80 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10633 lumens
Efficiency: N/A
Efficacy: 125.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

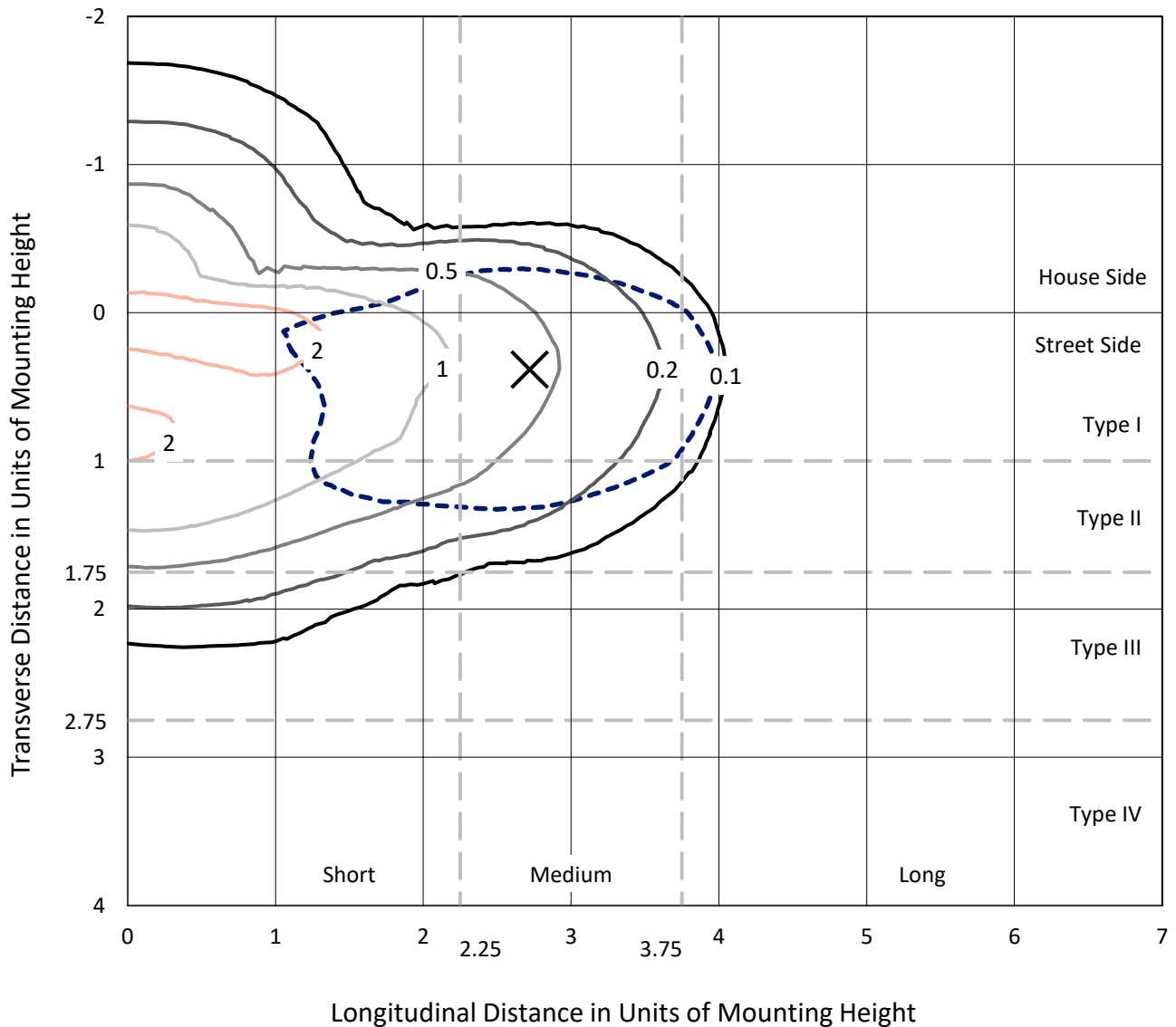
Input Watts (W): 84.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

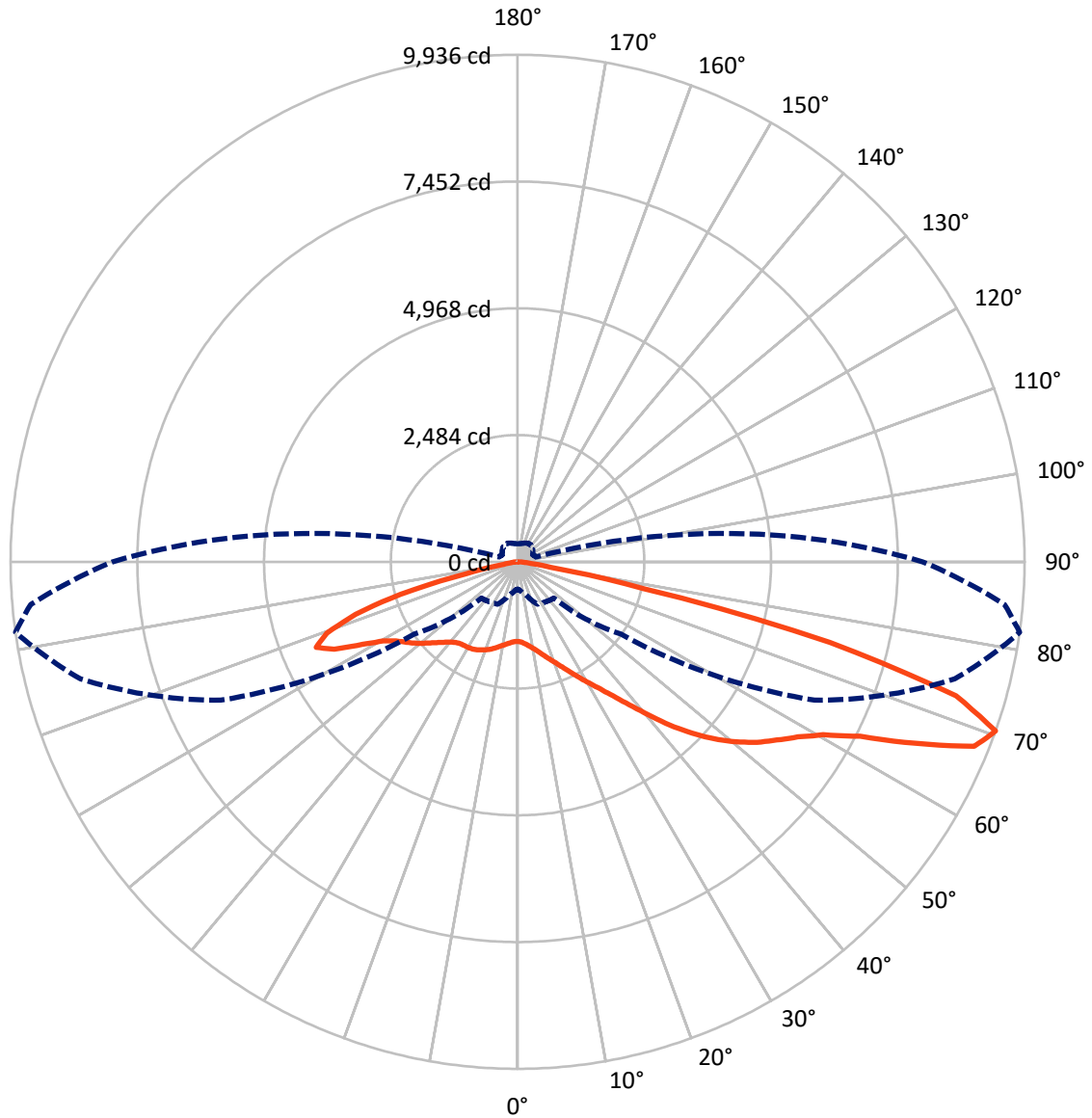
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.8 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	2621.3	0.0	2621.3
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	8011.7	0.0	8011.7
	% Fixture	75.3	0.0	75.3
Total	Lumens	10633.0	0.0	10633.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	147.2	1.4
10°-20°	422.9	4.0
20°-30°	707.4	6.7
30°-40°	1105.2	10.4
40°-50°	1760.2	16.6
50°-60°	2449.5	23.0
60°-70°	2562.3	24.1
70°-80°	1339.2	12.6
80°-90°	139.1	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°	10633.0	100.0
0°-180°	10633.0	100.0

Coefficient of Utilization

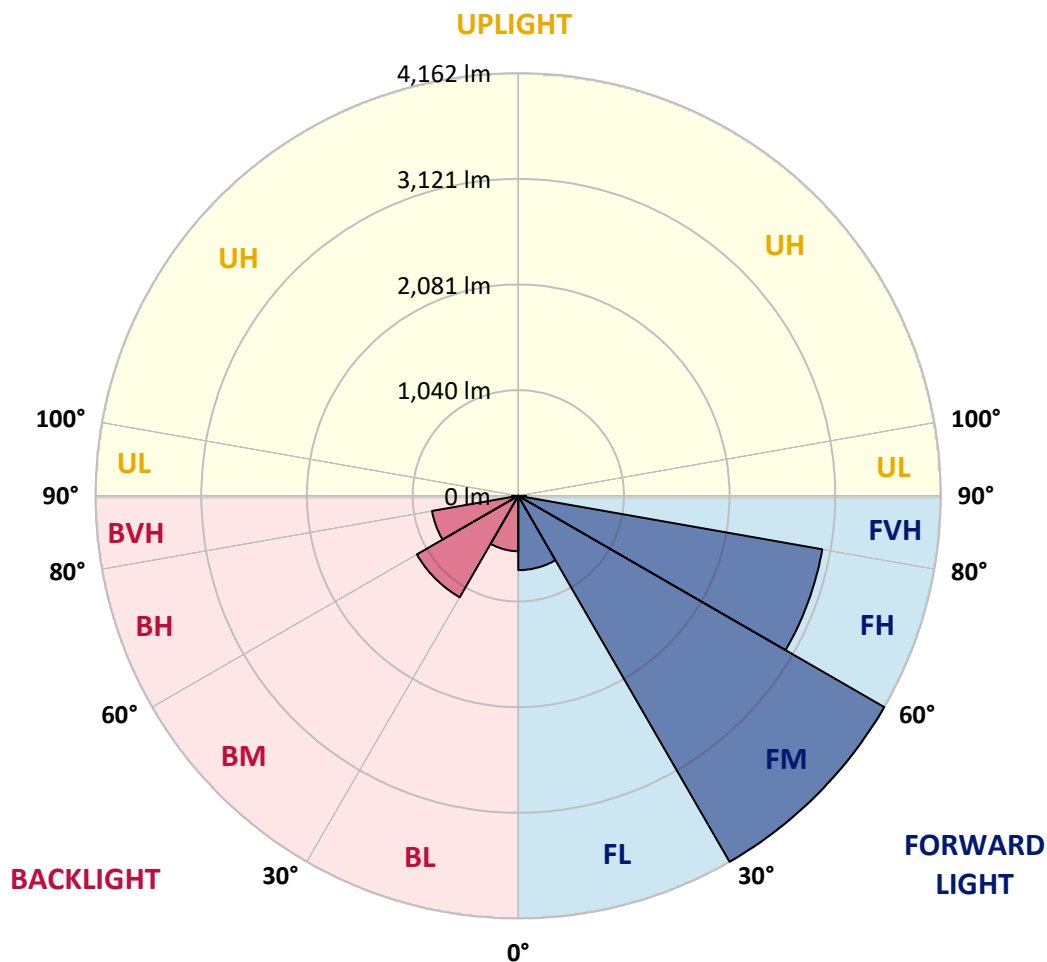


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	732.2	6.9			
FM (30°-60°)	4161.6	39.1			
FH (60°-80°)	3040.0	28.6			G2/5000
FVH (80°-90°)	77.8	0.7			G1/100
BL (0°-30°)	545.3	5.1	B2/1000		
BM (30°-60°)	1153.3	10.8	B2/2500		
BH (60°-80°)	861.5	8.1	B2/1000		G2/1000
BVH (80°-90°)	61.2	0.6			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°	1558.9	1558.9	1558.9	1558.9	1558.9	1558.9	1558.9	1558.9	1558.9	1558.9
2.5°	1596.2	1605.2	1602.4	1599.6	1599.6	1595.6	1595.0	1589.4	1584.9	1577.5
5°	1616.5	1626.1	1624.9	1627.2	1634.5	1636.2	1637.9	1634.5	1625.5	1616.5
7.5°	1598.4	1609.1	1612.5	1626.1	1648.6	1669.0	1684.2	1690.4	1681.9	1669.0
10°	1537.5	1549.3	1561.2	1593.3	1633.4	1681.4	1722.0	1746.3	1744.6	1732.1
12.5°	1413.9	1426.3	1451.7	1514.4	1587.7	1672.3	1747.9	1798.7	1816.2	1807.2
15°	1315.2	1325.9	1345.1	1409.4	1504.8	1633.4	1757.5	1856.3	1900.8	1895.8
17.5°	1312.4	1316.9	1328.7	1359.2	1432.5	1572.5	1747.4	1912.7	1997.9	1997.3
20°	1362.0	1363.7	1370.5	1376.7	1418.4	1526.2	1721.4	1959.5	2106.8	2106.8
22.5°	1430.9	1429.7	1436.5	1430.9	1451.2	1522.3	1705.1	2000.7	2228.1	2237.1
25°	1534.1	1528.5	1526.8	1513.8	1517.7	1558.9	1723.1	2047.5	2372.0	2390.6
27.5°	1671.8	1662.7	1656.5	1626.6	1616.5	1634.5	1778.4	2104.0	2532.2	2564.4
30°	1851.2	1834.8	1825.8	1773.9	1737.2	1740.0	1861.9	2179.0	2699.8	2751.7
32.5°	2096.1	2070.7	2046.4	1961.2	1894.1	1872.1	1969.7	2282.8	2881.5	2964.4
35°	2370.3	2350.0	2324.0	2192.5	2089.3	2038.5	2115.2	2427.8	3094.2	3225.6
37.5°	2634.3	2616.8	2629.2	2452.1	2318.9	2245.0	2306.0	2622.5	3356.5	3550.6
40°	2907.4	2893.9	2895.6	2726.3	2571.1	2488.2	2537.3	2866.8	3657.3	3937.1
42.5°	3204.2	3194.0	3160.2	3010.1	2835.8	2758.5	2803.6	3148.9	3980.0	4377.2
45°	3536.5	3530.3	3498.7	3326.6	3126.9	3040.0	3100.9	3460.3	4304.4	4791.3
47.5°	3823.7	3828.8	3824.8	3679.8	3472.8	3345.2	3418.0	3785.3	4606.3	5180.6
50°	3961.9	3988.4	4027.4	3982.2	3853.6	3723.8	3737.9	4099.0	4894.0	5545.7
52.5°	3889.7	3939.9	4046.0	4118.2	4167.9	4140.8	4103.0	4410.5	5164.8	5875.2
55°	3620.6	3691.1	3867.1	4041.5	4294.8	4491.7	4541.4	4755.8	5428.9	6165.2
57.5°	3130.3	3244.8	3402.8	3755.4	4182.0	4661.6	5052.6	5234.8	5708.7	6475.0
60°	2289.6	2443.1	2639.4	3164.1	3787.0	4570.7	5487.6	5970.5	6106.5	6876.1
62.5°	1465.3	1560.1	1740.6	2234.9	2950.9	4105.2	5620.7	6890.2	6780.8	7534.0
65°	1003.2	1064.1	1229.4	1507.0	1907.6	3055.8	5264.1	7579.7	7851.6	8576.7
67.5°	729.0	775.2	916.3	1159.5	1243.0	1808.3	4084.9	7548.1	8892.6	9650.9
70°	531.5	564.2	682.7	916.3	956.3	1006.0	2474.7	6416.3	8870.1	9936.4
72.5°	393.8	416.4	495.9	710.9	774.1	679.3	1224.9	4663.3	7622.0	8987.4
75°	284.9	301.9	360.5	543.9	619.5	517.4	611.0	2725.2	5316.6	6322.0
77.5°	217.8	230.8	269.1	398.3	495.9	388.2	379.2	1253.7	2520.9	2533.3
80°	174.9	183.4	204.2	280.4	380.3	290.6	247.1	506.1	796.7	674.2
82.5°	128.6	142.7	172.7	196.9	272.0	200.3	150.6	255.6	303.0	260.7
85°	73.3	82.9	104.4	141.1	173.8	122.4	86.3	113.4	141.1	115.7
87.5°	26.0	33.9	36.7	55.3	75.6	50.8	33.3	32.7	46.3	34.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P847126
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CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
1558.9	0°	1558.9	1558.9	1558.9	1558.9	1558.9	1558.9	1558.9	1558.9	1558.9	1558.9
1575.9	2.5°	1570.2	1567.4	1556.1	1540.9	1525.1	1509.8	1504.8	1494.0	1486.7	1482.8
1612.5	5°	1601.8	1592.8	1566.3	1532.4	1496.9	1458.5	1431.4	1406.6	1388.5	1371.6
1662.7	7.5°	1646.9	1631.2	1585.4	1526.2	1463.0	1399.3	1351.9	1315.8	1291.5	1275.7
1721.4	10°	1699.4	1675.2	1605.2	1516.6	1419.0	1327.6	1271.7	1240.7	1225.5	1217.0
1788.6	12.5°	1759.8	1725.4	1625.5	1494.6	1351.9	1247.5	1209.1	1200.1	1200.7	1201.2
1873.2	15°	1834.3	1786.3	1641.9	1446.7	1264.4	1186.0	1179.2	1193.9	1209.1	1216.5
1969.1	17.5°	1918.3	1850.6	1644.7	1367.7	1178.6	1146.5	1167.9	1199.5	1222.7	1232.8
2076.3	20°	2008.6	1916.1	1624.4	1255.9	1108.1	1114.3	1152.7	1193.3	1218.7	1231.7
2198.8	22.5°	2111.9	1986.0	1575.9	1138.6	1050.6	1079.3	1124.5	1164.0	1190.5	1203.5
2342.6	25°	2229.8	2064.5	1499.7	1039.9	1000.9	1039.9	1085.0	1117.7	1139.2	1151.0
2503.4	27.5°	2360.7	2146.3	1398.1	961.4	957.5	999.2	1036.5	1061.9	1073.1	1082.2
2674.4	30°	2492.1	2220.8	1275.1	902.2	919.7	959.2	985.7	997.0	1000.4	1002.0
2865.1	32.5°	2634.3	2285.1	1145.9	853.1	883.6	920.2	936.0	941.1	925.3	914.6
3096.4	35°	2806.4	2353.9	1019.5	814.2	848.0	879.6	884.7	880.2	861.6	839.6
3386.4	37.5°	3019.1	2439.7	918.5	786.5	814.7	835.6	829.4	828.3	830.0	804.0
3735.1	40°	3279.8	2551.4	844.6	765.1	787.6	792.2	774.7	784.3	792.7	753.2
4117.7	42.5°	3569.2	2686.2	797.8	750.4	765.1	754.4	727.3	738.0	736.9	685.0
4501.9	45°	3864.3	2832.9	781.4	739.7	744.2	722.8	692.9	695.7	672.0	625.2
4870.3	47.5°	4157.7	2990.3	791.6	730.7	718.2	694.0	670.9	658.4	623.5	588.5
5223.5	50°	4445.5	3155.7	828.8	712.6	682.7	668.6	651.7	629.7	592.4	562.5
5557.5	52.5°	4712.3	3322.1	870.6	682.7	638.1	646.6	635.9	610.5	573.8	543.3
5873.5	55°	4965.1	3488.6	886.9	641.5	596.4	627.4	621.2	574.4	530.4	505.5
6204.1	57.5°	5240.4	3688.8	868.9	589.0	562.5	605.4	581.7	529.8	504.4	485.8
6634.6	60°	5621.9	4003.1	830.0	524.2	530.4	572.7	532.1	510.6	483.0	462.1
7280.1	62.5°	6255.5	4589.3	767.3	459.8	492.6	524.2	508.4	486.9	458.7	438.4
8383.7	65°	7192.1	5404.1	649.4	409.6	450.2	476.8	483.0	461.5	432.2	410.7
9350.8	67.5°	7982.0	5915.2	491.4	367.9	406.8	438.4	455.9	435.0	404.0	383.1
9577.0	70°	7938.5	5544.0	375.2	326.7	368.4	400.6	423.2	406.8	373.5	353.8
8699.1	72.5°	7051.0	4637.9	303.5	284.9	329.5	361.1	388.2	375.8	341.9	322.7
6372.8	75°	5180.1	3292.2	242.6	242.6	281.0	319.9	349.8	341.9	310.9	297.3
2675.5	77.5°	2183.5	1381.2	190.1	201.4	233.6	274.8	312.0	314.8	287.8	304.7
707.5	80°	580.6	380.8	145.0	158.5	183.4	226.8	271.4	270.3	240.9	225.1
262.9	82.5°	221.2	150.1	103.3	111.7	132.6	173.8	215.0	221.7	192.4	166.4
103.3	85°	85.2	64.3	63.8	67.1	77.3	115.1	162.5	168.1	145.0	123.0
28.8	87.5°	22.0	19.2	23.7	22.6	35.5	61.5	93.1	96.5	88.6	51.3
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°
1558.9
1487.3
1378.4
1279.1
1219.3
1202.3
1215.9
1235.1
1235.1
1206.9
1154.4
1085.6
1006.0
918.0
840.7
805.7
754.4
684.4
626.8
588.5
560.3
543.9
503.3
484.1
461.0
438.4
411.9
383.7
355.5
322.7
293.4
276.5
209.3
166.4
126.9
73.3
0.0

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