

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: P848707

Luminaire Tested: **GLAN-SB5B-927-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848707
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB5B-927-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 90 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14366 lumens
Efficiency: N/A
Efficacy: 78.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

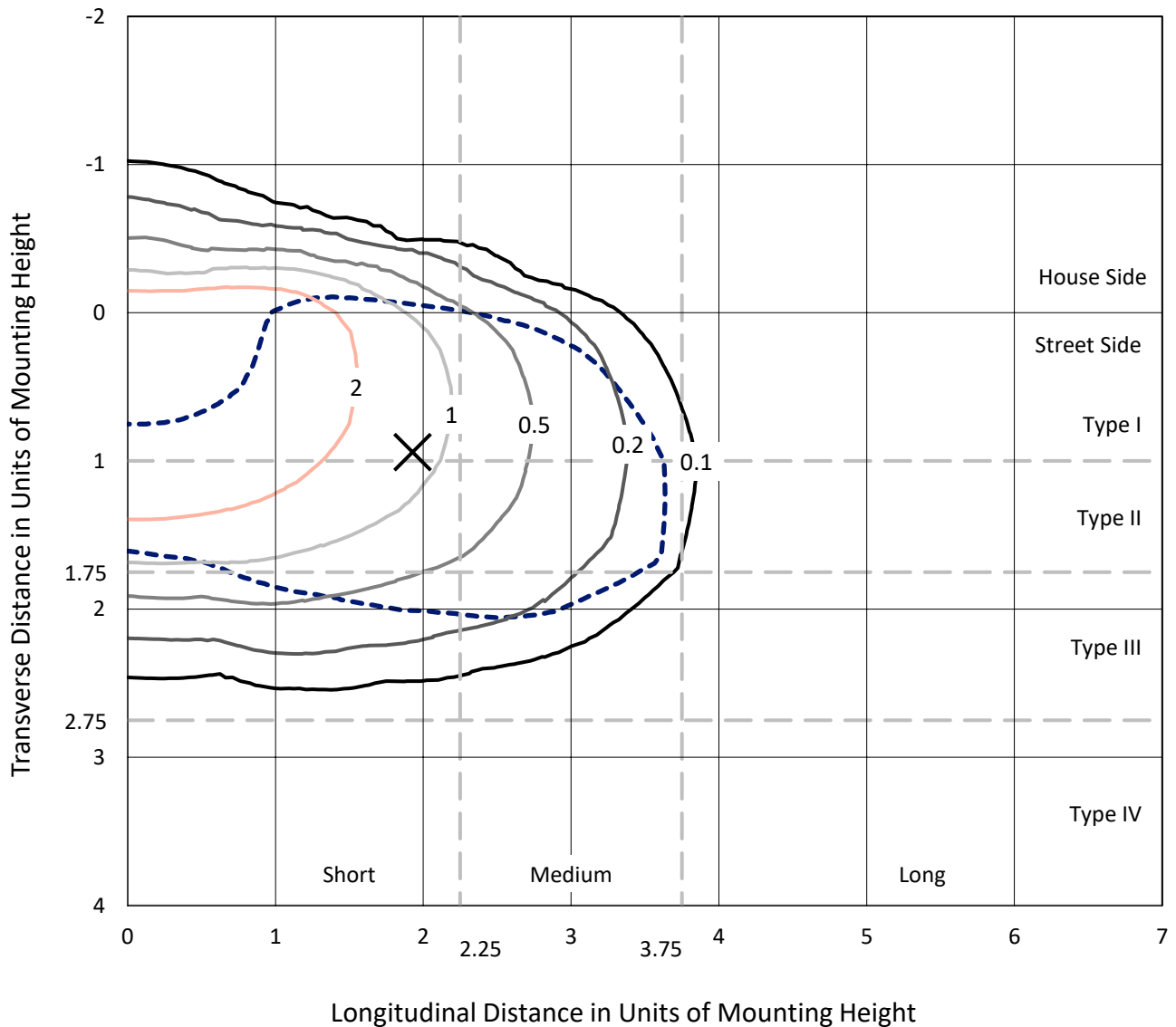
Input Watts (W): 182.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

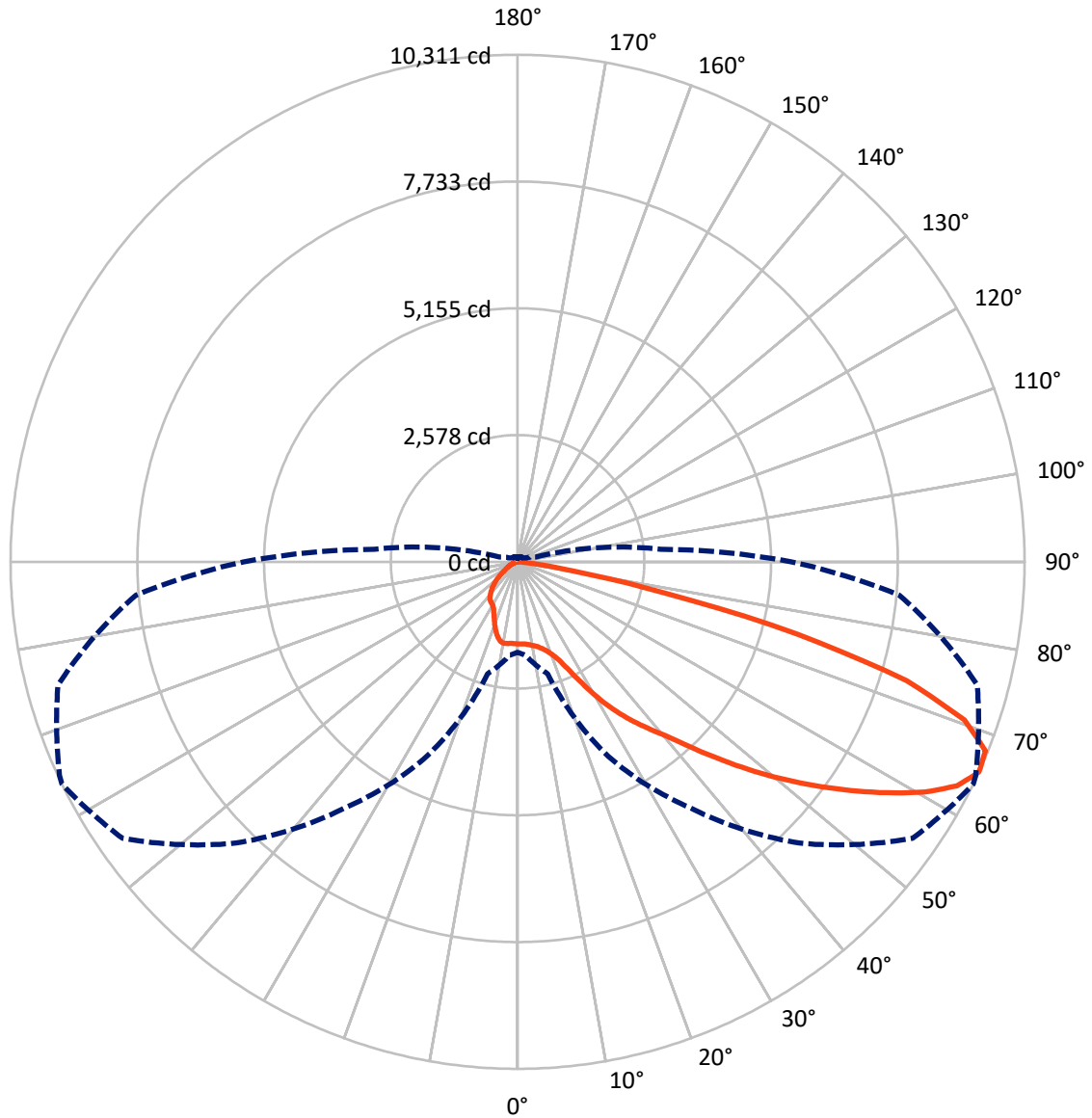
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.2 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1921.2	0.0	1921.2
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	12444.8	0.0	12444.8
	% Fixture	86.6	0.0	86.6
Total	Lumens	14366.0	0.0	14366.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	154.2	1.1
10°-20°	418.1	2.9
20°-30°	792.3	5.5
30°-40°	1603.3	11.2
40°-50°	2731.2	19.0
50°-60°	3714.2	25.9
60°-70°	3487.8	24.3
70°-80°	1397.4	9.7
80°-90°	67.7	0.5
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°	14366.0	100.0
0°-180°	14366.0	100.0

Coefficient of Utilization



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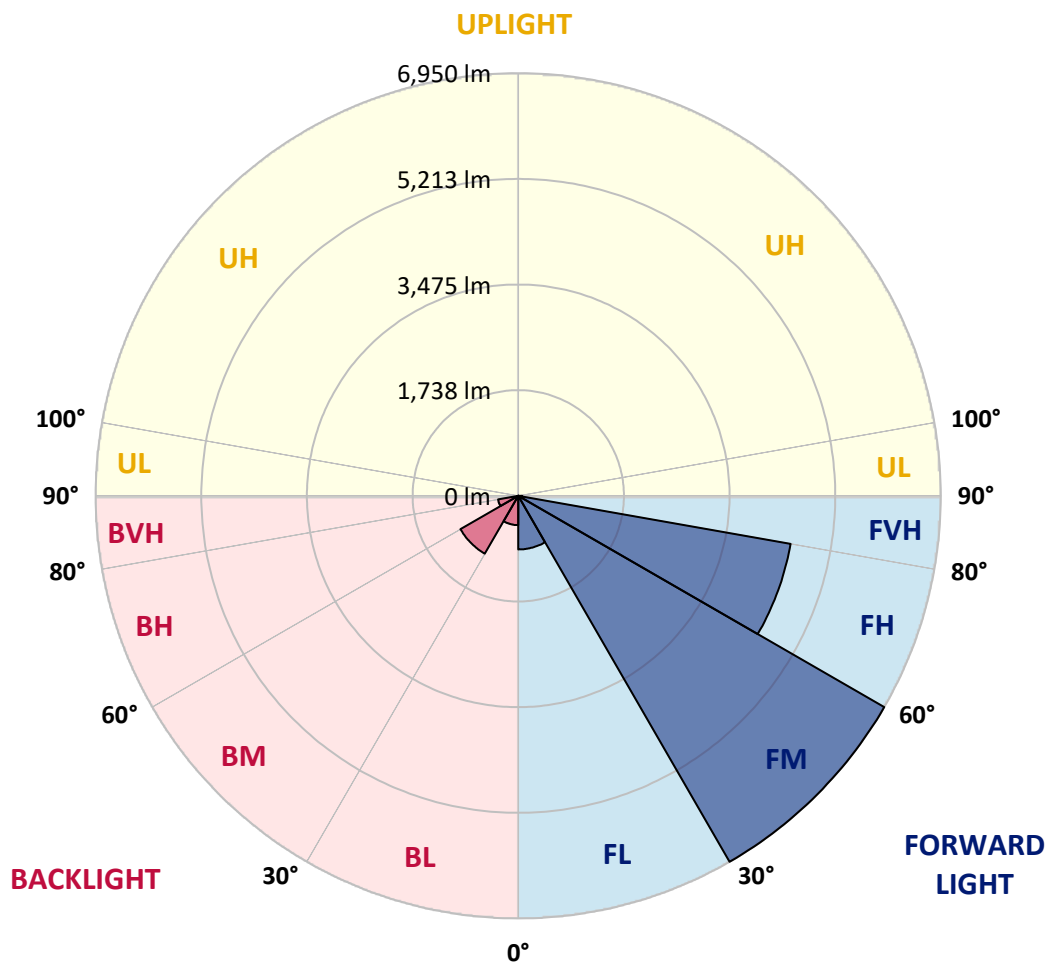
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	882.2	6.1			
FM (30°-60°)	6950.3	48.4			
FH (60°-80°)	4547.9	31.7			G2/5000
FVH (80°-90°)	64.4	0.4			G1/100
BL (0°-30°)	482.4	3.4	B1/500		
BM (30°-60°)	1098.3	7.6	B2/2500		
BH (60°-80°)	337.2	2.3	B1/500		G1/500
BVH (80°-90°)	3.3	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	1670.9	1670.9	1670.9	1670.9	1670.9	1670.9	1670.9	1670.9	1670.9	1670.9
2.5°	1665.1	1676.7	1673.8	1670.9	1670.0	1671.9	1672.8	1671.9	1671.9	1671.9
5°	1633.4	1643.0	1643.0	1649.7	1659.4	1670.9	1679.6	1681.5	1683.4	1686.3
7.5°	1572.7	1580.4	1586.2	1608.3	1632.4	1663.2	1689.2	1702.7	1704.6	1715.2
10°	1531.3	1540.9	1550.5	1573.6	1608.3	1654.5	1698.8	1731.6	1736.4	1761.4
12.5°	1529.3	1539.0	1551.5	1576.5	1617.0	1666.1	1720.0	1767.2	1775.9	1812.5
15°	1549.6	1561.1	1572.7	1603.5	1646.8	1706.5	1764.3	1823.1	1831.7	1883.8
17.5°	1591.0	1606.4	1615.1	1645.9	1692.1	1758.6	1834.6	1902.1	1909.8	1970.4
20°	1672.8	1691.1	1694.0	1719.1	1764.3	1835.6	1926.1	2009.9	2019.5	2088.9
22.5°	1842.3	1868.3	1845.2	1857.7	1898.2	1969.5	2067.7	2173.6	2187.1	2266.1
25°	2140.9	2177.5	2117.8	2096.6	2113.9	2188.1	2311.4	2445.2	2460.6	2524.2
27.5°	2727.4	2680.2	2589.7	2501.1	2449.1	2491.4	2630.1	2795.8	2815.0	2876.7
30°	3371.7	3330.3	3208.0	3011.5	2888.2	2881.5	3009.6	3194.5	3216.6	3275.4
32.5°	4016.9	3977.5	3844.5	3602.8	3389.0	3283.1	3371.7	3576.8	3588.4	3625.9
35°	4651.6	4611.1	4478.2	4230.7	3967.8	3727.1	3709.7	3940.9	3944.7	3984.2
37.5°	5290.1	5256.4	5114.8	4872.1	4613.1	4280.8	4120.0	4285.6	4290.4	4329.0
40°	5745.6	5760.1	5662.8	5475.0	5252.5	4889.5	4580.3	4652.6	4623.7	4688.2
42.5°	6136.6	6165.5	6080.8	5986.4	5857.4	5537.6	5150.5	5137.9	5091.7	5126.4
45°	6474.7	6498.8	6422.7	6400.5	6397.6	6173.2	5773.6	5698.4	5633.9	5627.2
47.5°	6598.9	6645.1	6677.9	6752.0	6896.5	6802.1	6417.9	6301.3	6229.1	6176.1
50°	6646.1	6695.2	6806.9	7022.7	7364.5	7405.0	7059.3	6928.3	6839.7	6743.4
52.5°	6582.5	6670.2	6820.4	7183.5	7679.5	7888.5	7674.7	7560.0	7458.9	7301.9
55°	6207.9	6295.5	6602.8	7181.6	7836.4	8227.5	8256.3	8205.3	8091.7	7844.2
57.5°	5418.2	5548.2	6034.6	6936.9	7833.6	8519.3	8826.5	8863.1	8735.9	8381.5
60°	4324.2	4500.4	5093.6	6394.7	7591.8	8677.2	9326.3	9509.3	9374.5	8911.2
62.5°	3017.3	3221.4	3782.9	5545.3	7039.0	8563.6	9691.3	10029.3	9927.3	9385.1
65°	1840.4	1905.9	2358.5	4363.6	6099.1	8087.8	9804.0	10310.6	10276.8	9674.9
67.5°	1226.0	1280.9	1410.9	2992.2	4734.4	7137.3	9534.3	10261.4	10271.1	9627.7
70°	738.7	785.9	870.6	1740.3	3068.3	5649.3	8699.4	9635.4	9691.3	8996.9
72.5°	304.3	336.1	413.2	788.7	1589.1	3585.5	6927.3	8272.7	8402.7	7564.9
75°	172.4	188.8	242.7	395.8	689.6	1670.9	4196.1	5872.8	6064.4	5214.0
77.5°	114.6	122.3	157.0	256.2	388.1	570.1	1793.2	3059.7	3425.6	2847.8
80°	77.0	83.8	107.9	171.4	252.3	244.6	571.1	1133.5	1394.5	978.5
82.5°	52.0	53.0	77.0	112.7	159.9	118.5	168.5	352.5	443.0	283.1
85°	29.9	28.9	56.8	65.5	71.3	49.1	51.0	105.9	138.7	119.4
87.5°	3.9	5.8	22.2	17.3	9.6	10.6	10.6	18.3	27.0	28.9
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°
1670.9	0°	1670.9	1670.9	1670.9	1670.9	1670.9	1670.9	1670.9	1670.9	1670.9	1670.9
1672.8	2.5°	1672.8	1671.9	1669.0	1666.1	1659.4	1655.5	1657.4	1655.5	1654.5	1655.5
1685.4	5°	1685.4	1682.5	1674.8	1665.1	1651.7	1635.3	1624.7	1609.3	1594.8	1586.2
1719.1	7.5°	1719.1	1716.2	1705.6	1678.6	1635.3	1566.9	1504.3	1449.4	1408.0	1383.9
1773.0	10°	1773.0	1768.2	1751.8	1692.1	1578.5	1429.2	1305.0	1201.9	1134.5	1102.7
1836.6	12.5°	1836.6	1830.8	1801.9	1679.6	1470.6	1237.5	1066.1	951.5	888.9	861.0
1909.8	15°	1911.7	1904.0	1847.2	1619.9	1313.6	1025.7	868.7	783.0	742.5	717.5
2003.2	17.5°	2005.1	1991.6	1880.9	1530.3	1143.2	863.9	747.3	682.8	647.2	623.1
2125.5	20°	2126.4	2104.3	1907.8	1423.4	986.2	761.8	665.5	611.5	584.6	563.4
2298.8	22.5°	2295.9	2264.2	1940.6	1307.8	875.4	691.5	604.8	565.3	543.2	519.1
2540.6	25°	2505.9	2468.3	1981.0	1200.9	799.3	630.8	560.5	527.8	501.8	473.8
2857.4	27.5°	2799.6	2732.2	2029.2	1113.3	733.9	578.8	520.1	483.5	453.6	430.5
3216.6	30°	3127.1	3016.3	2071.5	1060.3	674.1	530.6	467.1	430.5	402.6	386.2
3539.3	32.5°	3437.2	3286.9	2099.5	1037.2	620.2	475.8	409.3	369.8	348.6	343.8
3855.1	35°	3729.9	3531.6	2096.6	1015.1	572.1	420.9	352.5	312.0	295.7	298.5
4195.1	37.5°	4067.0	3792.5	2076.4	980.4	532.6	370.8	303.4	267.7	253.3	254.2
4608.3	40°	4459.0	4094.0	2063.8	914.9	489.2	324.6	262.9	234.0	223.4	219.6
5043.6	42.5°	4877.0	4385.8	2065.8	840.8	435.3	283.1	235.0	210.9	201.3	198.4
5528.0	45°	5296.8	4664.1	2068.7	763.7	378.5	251.4	214.8	194.5	188.8	184.9
6019.1	47.5°	5691.7	4901.0	2014.7	680.9	322.6	227.3	198.4	184.9	180.1	175.3
6512.2	50°	6059.6	5059.0	1884.7	584.6	278.3	208.0	185.9	176.2	171.4	166.6
6959.1	52.5°	6345.6	5084.0	1670.0	485.4	247.5	193.6	178.2	169.5	163.7	158.9
7320.2	55°	6472.7	4927.0	1364.7	392.9	223.4	181.1	170.5	161.8	155.1	150.2
7604.3	57.5°	6440.0	4596.7	1064.2	315.9	200.3	168.5	160.8	155.1	147.3	139.6
7834.5	60°	6279.2	4154.7	802.2	262.9	179.1	155.1	150.2	145.4	134.8	123.3
7923.1	62.5°	6000.8	3599.0	572.1	217.7	156.0	139.6	137.7	133.9	118.5	97.3
7792.1	65°	5575.2	2923.9	385.2	181.1	133.9	122.3	123.3	116.5	96.3	72.2
7312.5	67.5°	4953.0	2138.0	246.5	148.3	111.7	102.1	103.0	99.2	81.9	61.6
6403.4	70°	4160.4	1415.7	160.8	112.7	89.6	79.0	84.7	85.7	69.3	50.1
4914.5	72.5°	3050.0	835.9	112.7	83.8	65.5	54.9	69.3	71.3	55.9	37.6
2956.6	75°	1738.3	396.8	84.7	60.7	40.4	38.5	53.9	53.9	38.5	25.0
1279.9	77.5°	730.0	165.6	59.7	39.5	23.1	22.2	36.6	33.7	19.3	11.6
312.0	80°	210.9	74.2	31.8	19.3	9.6	8.7	14.4	10.6	4.8	1.9
118.5	82.5°	82.8	32.7	12.5	7.7	3.9	3.9	1.9	0.0	0.0	0.0
67.4	85°	49.1	13.5	5.8	2.9	1.0	0.0	0.0	0.0	0.0	0.0
14.4	87.5°	12.5	2.9	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°
1670.9
1659.4
1588.1
1384.9
1099.8
858.1
718.4
621.2
559.5
515.2
470.9
425.7
383.3
346.7
298.5
258.1
218.6
197.4
184.9
175.3
166.6
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