

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: McGRAW-EDISON

Report Number: P948669

Luminaire Tested: **GALN-SB3C-927-U-T3R-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948669
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB3C-927-U-T3R-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11387 lumens
Efficiency: N/A
Efficacy: 76.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

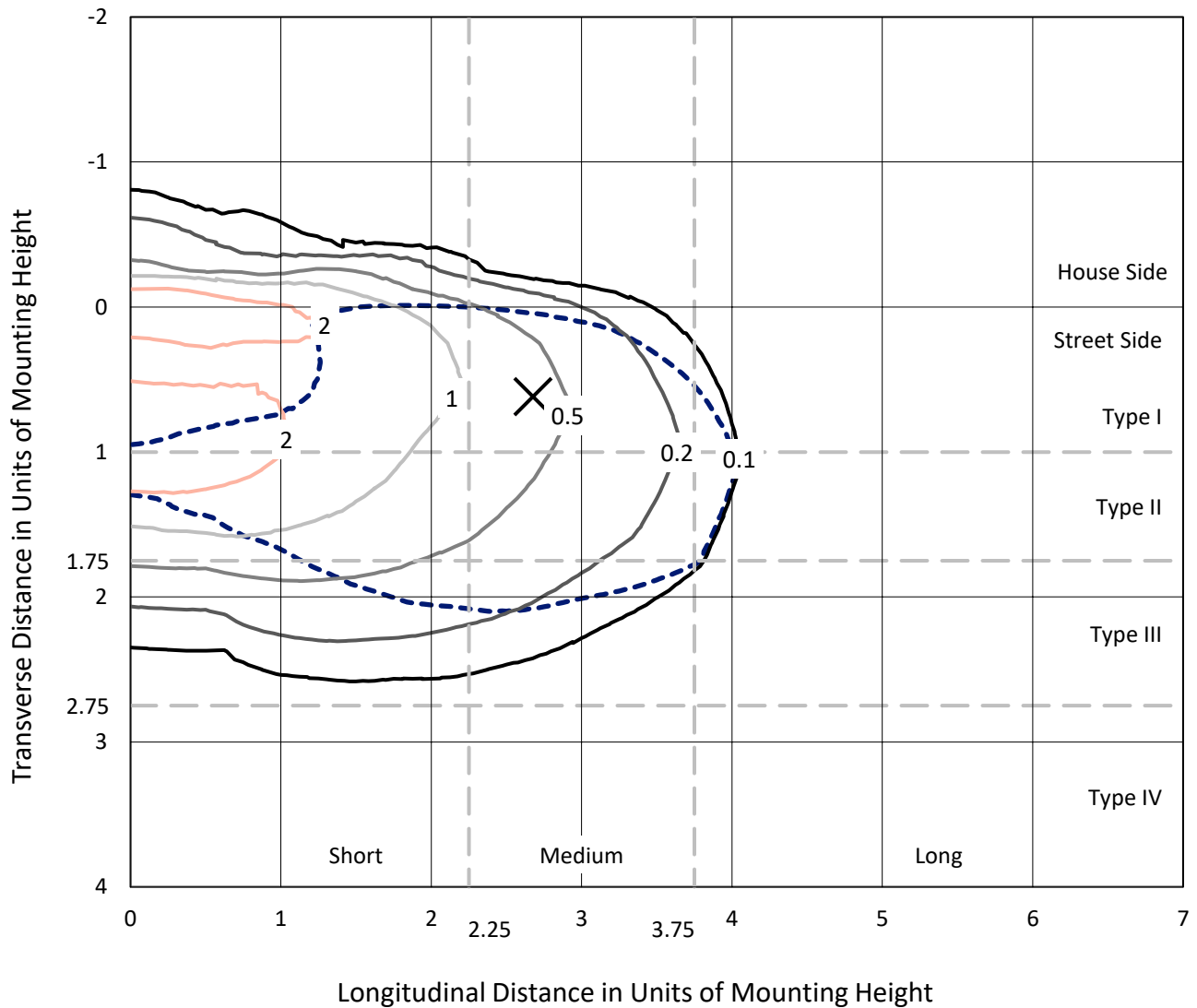
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

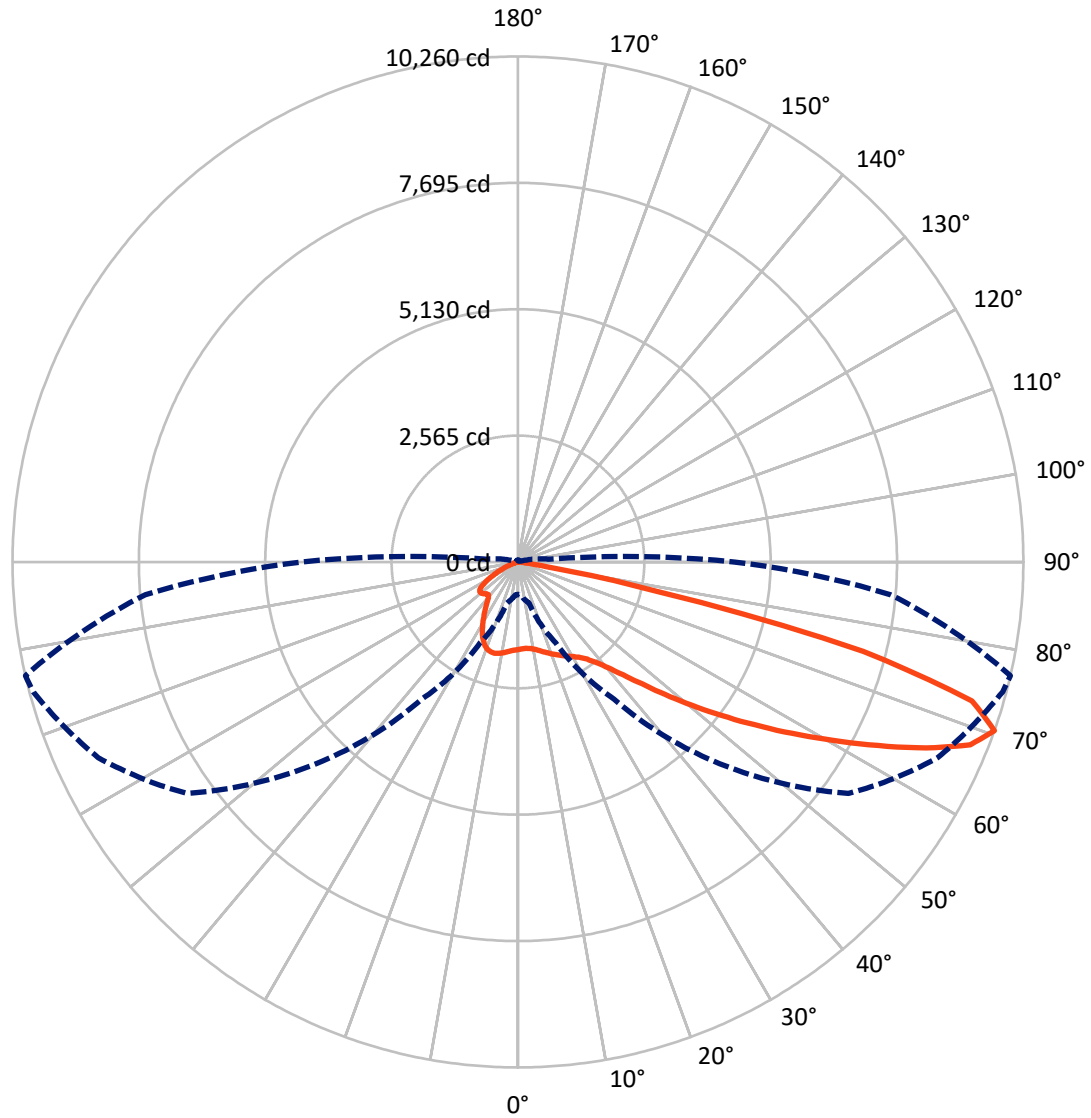
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.3 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1200.4	0.0	1200.4
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	10186.6	0.0	10186.6
	% Fixture	89.5	0.0	89.5
Total	Lumens	11387.0	0.0	11387.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	153.1	1.3
10°-20°	363.4	3.2
20°-30°	562.1	4.9
30°-40°	1019.9	9.0
40°-50°	1925.2	16.9
50°-60°	2781.7	24.4
60°-70°	2961.1	26.0
70°-80°	1569.1	13.8
80°-90°	51.5	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°	11387.0	100.0
0°-180°	11387.0	100.0

Coefficient of Utilization



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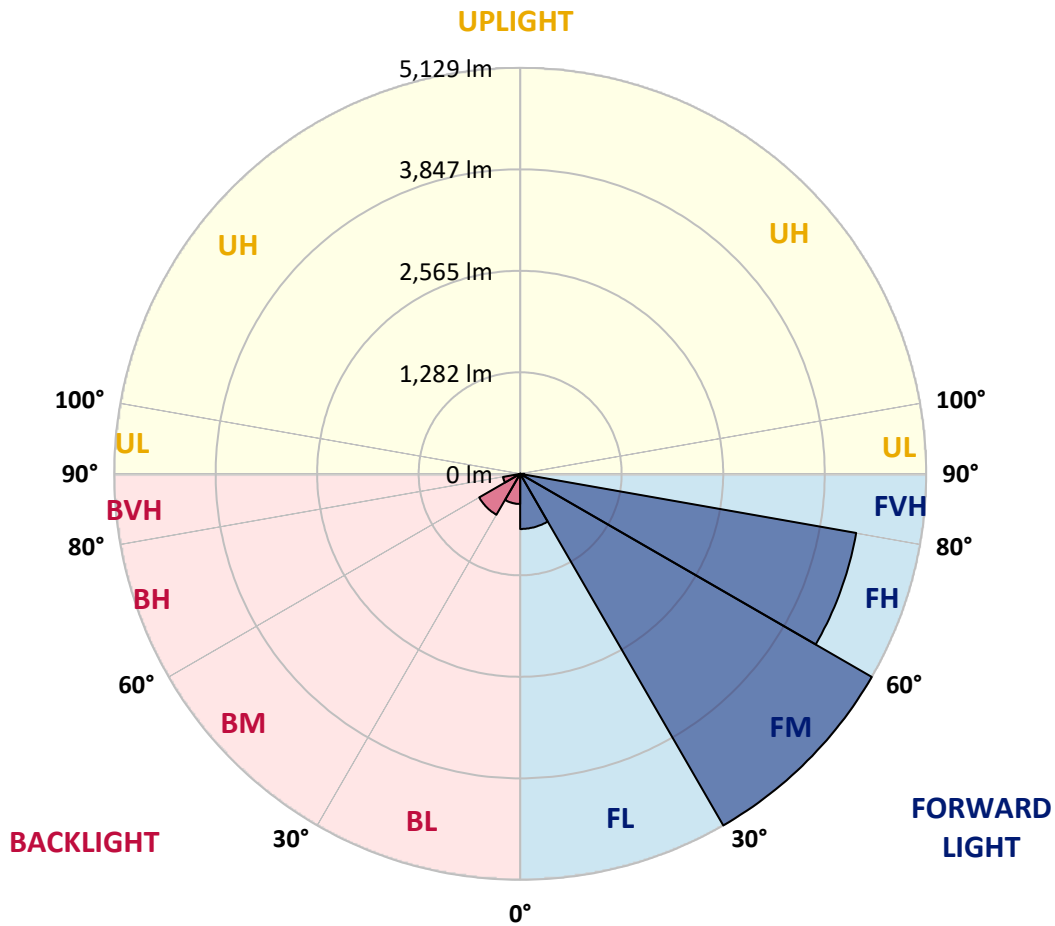
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	697.2	6.1			
FM (30°-60°)	5129.2	45.0			
FH (60°-80°)	4310.1	37.9			G2/5000
FVH (80°-90°)	50.1	0.4			G1/100
BL (0°-30°)	381.4	3.3	B1/500		
BM (30°-60°)	597.5	5.2	B1/1000		
BH (60°-80°)	220.1	1.9	B1/500		G1/500
BVH (80°-90°)	1.4	0.0			G0/10
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 Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°
0°	1776.2	1776.2	1776.2	1776.2	1776.2	1776.2	1776.2	1776.2	1776.2	1776.2
2.5°	1667.6	1682.7	1680.5	1690.6	1694.2	1708.6	1723.0	1742.4	1763.9	1763.2
5°	1573.4	1588.5	1592.1	1605.7	1623.0	1645.3	1674.8	1713.6	1753.9	1760.3
7.5°	1461.9	1477.7	1487.1	1514.4	1546.1	1592.1	1640.3	1697.1	1763.9	1773.3
10°	1350.5	1364.8	1377.1	1415.9	1466.2	1534.6	1612.9	1694.9	1784.8	1798.5
12.5°	1281.4	1295.1	1308.8	1342.6	1405.1	1488.5	1595.0	1705.0	1819.3	1838.7
15°	1257.0	1269.2	1280.0	1310.2	1368.4	1463.4	1591.4	1725.8	1863.2	1889.1
17.5°	1260.6	1267.0	1274.2	1297.2	1354.1	1451.9	1597.8	1761.8	1915.0	1938.0
20°	1281.4	1285.0	1285.7	1301.6	1351.9	1450.4	1610.8	1796.3	1963.9	1994.8
22.5°	1308.0	1309.5	1308.0	1318.8	1365.6	1461.2	1628.0	1838.0	2018.5	2047.3
25°	1432.4	1405.1	1370.6	1349.7	1388.6	1482.1	1653.9	1894.1	2078.2	2106.2
27.5°	1818.6	1740.2	1616.5	1477.7	1436.0	1512.3	1689.9	1950.9	2138.6	2163.8
30°	2445.6	2342.8	2132.8	1820.0	1588.5	1575.5	1736.6	2007.7	2202.6	2229.9
32.5°	3074.1	3049.0	2806.6	2373.7	1931.5	1716.5	1814.3	2084.7	2287.4	2309.0
35°	3709.8	3658.8	3460.3	3032.4	2460.0	2003.4	1943.7	2185.3	2398.9	2423.4
37.5°	4196.6	4165.7	4042.8	3690.4	3087.1	2446.4	2165.2	2341.4	2560.7	2588.0
40°	4626.7	4612.3	4570.6	4338.3	3788.2	3026.0	2509.6	2583.0	2785.1	2817.4
42.5°	4964.6	4998.4	5022.2	4957.4	4510.9	3687.5	2972.7	2922.4	3097.9	3130.9
45°	5310.5	5322.0	5417.7	5511.1	5228.5	4379.3	3494.8	3320.1	3486.9	3527.9
47.5°	5532.7	5578.7	5747.0	5911.7	5831.9	5065.3	4055.7	3789.6	3937.8	4014.7
50°	5549.3	5636.3	5867.8	6154.7	6271.2	5718.2	4665.5	4324.6	4482.1	4567.0
52.5°	5273.8	5409.0	5767.9	6187.8	6508.5	6271.2	5296.1	4859.6	5061.7	5172.5
55°	4043.5	4220.4	5391.8	6008.0	6517.9	6690.5	5910.2	5416.9	5707.5	5832.6
57.5°	3522.8	3612.0	4239.1	5696.0	6344.6	6859.5	6465.4	5947.6	6410.0	6565.3
60°	2931.0	3048.2	3555.2	5185.4	6109.4	6876.0	6955.8	6632.2	7171.5	7346.3
62.5°	1991.9	2119.2	2623.3	4308.1	5788.0	6868.1	7357.8	7336.9	8017.9	8205.6
65°	1234.0	1313.8	1646.0	3517.8	5338.6	6876.7	7778.5	8192.7	8911.0	9101.6
67.5°	975.1	1011.8	1185.1	2700.9	4564.1	6682.6	8198.4	8997.3	9751.7	9902.7
70°	655.1	677.4	862.2	1810.7	3395.6	5786.6	8190.5	9401.5	10184.6	10260.1
72.5°	345.2	362.4	504.1	838.5	2050.9	4113.2	6904.0	8918.2	9753.8	9640.2
75°	172.6	201.3	339.4	425.7	875.9	2293.9	4287.2	7031.3	7677.1	7237.0
77.5°	130.9	158.2	280.4	280.4	304.9	772.3	1815.7	3834.9	3537.2	2945.4
80°	83.4	107.9	245.2	212.1	127.3	196.3	473.2	1074.3	751.5	571.7
82.5°	48.9	70.5	204.2	140.2	71.2	72.6	133.8	228.7	194.9	151.7
85°	19.4	46.0	140.2	55.4	28.0	18.0	40.3	48.9	40.3	30.2
87.5°	0.0	10.8	24.4	0.0	2.2	1.4	2.9	3.6	3.6	2.9
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°
1776.2	0°	1776.2	1776.2	1776.2	1776.2	1776.2	1776.2	1776.2	1776.2	1776.2	1776.2
1777.6	2.5°	1784.1	1785.5	1789.8	1790.5	1780.5	1767.5	1762.5	1760.3	1751.7	1751.0
1789.1	5°	1805.6	1812.1	1805.6	1787.0	1742.4	1679.8	1632.3	1593.5	1558.3	1547.5
1828.7	7.5°	1848.8	1855.3	1835.9	1762.5	1650.3	1525.9	1413.7	1334.6	1263.5	1236.8
1876.8	10°	1910.6	1919.3	1858.1	1710.0	1511.5	1311.6	1121.8	988.0	883.8	841.3
1942.3	12.5°	1988.3	1991.9	1870.4	1630.2	1331.0	1045.6	776.6	633.5	540.8	506.2
2021.4	15°	2073.9	2068.8	1871.8	1521.6	1085.1	739.2	507.0	416.4	379.0	367.5
2100.5	17.5°	2163.8	2142.9	1843.0	1364.8	815.5	505.5	376.1	354.5	348.0	345.2
2178.9	20°	2252.2	2205.5	1790.5	1159.9	585.3	377.5	341.6	335.1	331.5	330.1
2258.0	22.5°	2332.7	2252.9	1700.7	921.9	425.0	333.7	322.9	317.1	310.6	307.8
2334.9	25°	2411.1	2280.3	1574.1	699.7	340.1	312.1	303.5	292.7	284.0	280.4
2417.6	27.5°	2487.4	2297.5	1415.9	517.7	303.5	292.0	276.1	261.0	254.6	253.1
2506.0	30°	2568.6	2303.3	1236.1	386.2	281.2	266.8	243.8	226.5	222.9	223.6
2625.4	32.5°	2667.8	2311.9	1054.9	316.4	262.5	236.6	209.3	191.3	188.4	191.3
2799.4	35°	2786.5	2329.2	880.2	291.2	245.9	205.7	176.2	161.1	158.2	160.4
3022.4	37.5°	2947.6	2357.2	716.9	286.2	232.3	179.8	148.1	135.9	135.9	136.6
3295.6	40°	3161.9	2432.0	571.0	282.6	225.1	160.4	125.1	120.1	122.2	123.7
3643.7	42.5°	3422.9	2590.9	472.4	278.3	217.2	151.7	113.6	111.5	115.1	116.5
4060.7	45°	3715.6	2792.2	437.9	271.1	210.0	157.5	108.6	105.7	110.0	110.7
4528.1	47.5°	4018.3	2989.3	433.6	263.2	202.8	166.1	107.1	100.7	105.7	106.4
5027.2	50°	4324.6	3118.0	437.9	251.0	191.3	166.1	107.9	95.6	100.0	102.1
5544.9	52.5°	4633.1	3177.0	435.1	224.4	171.1	156.0	107.9	91.3	95.6	97.1
6104.4	55°	4932.3	3165.5	391.2	184.8	145.3	138.1	105.0	87.7	90.6	91.3
6632.9	57.5°	5168.9	3005.1	309.9	143.8	117.9	115.1	95.6	83.4	85.6	84.9
7117.6	60°	5292.5	2652.7	221.5	110.7	92.8	90.6	84.1	77.7	79.1	75.5
7528.2	62.5°	5294.0	2186.8	148.1	87.7	74.1	71.9	71.9	69.8	68.3	61.1
7846.1	65°	5181.1	1669.7	98.5	69.8	59.7	56.1	60.4	59.7	54.7	44.6
7943.1	67.5°	4925.1	1094.5	74.8	54.7	46.0	43.9	48.2	50.3	46.7	37.4
7589.3	70°	4398.7	637.1	61.8	42.4	34.5	32.4	38.8	43.1	38.8	30.2
6487.0	72.5°	3653.7	343.7	50.3	31.6	23.7	21.6	30.9	35.2	30.9	22.3
4162.1	75°	2370.9	184.1	38.8	20.9	12.2	13.7	23.0	25.9	21.6	14.4
1221.7	77.5°	796.0	81.3	24.4	10.1	5.8	5.8	13.7	15.8	10.1	5.0
222.2	80°	177.6	33.8	10.1	4.3	2.2	2.2	2.9	2.9	1.4	0.0
68.3	82.5°	58.2	13.7	4.3	1.4	0.0	0.0	0.0	0.0	0.0	0.0
17.3	85°	22.3	5.0	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.8	87.5°	8.6	0.7	0.0	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°
1776.2
1752.4
1541.0
1226.1
823.4
495.5
367.5
344.4
328.6
307.1
279.0
251.7
223.6
190.6
159.6
135.9
123.7
116.5
111.5
107.1
102.8
97.1
91.3
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