

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: P940534

Luminaire Tested: **GALN-SB3C-927-U-T2-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940534
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)
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-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9988 lumens
Efficiency: N/A
Efficacy: 67.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

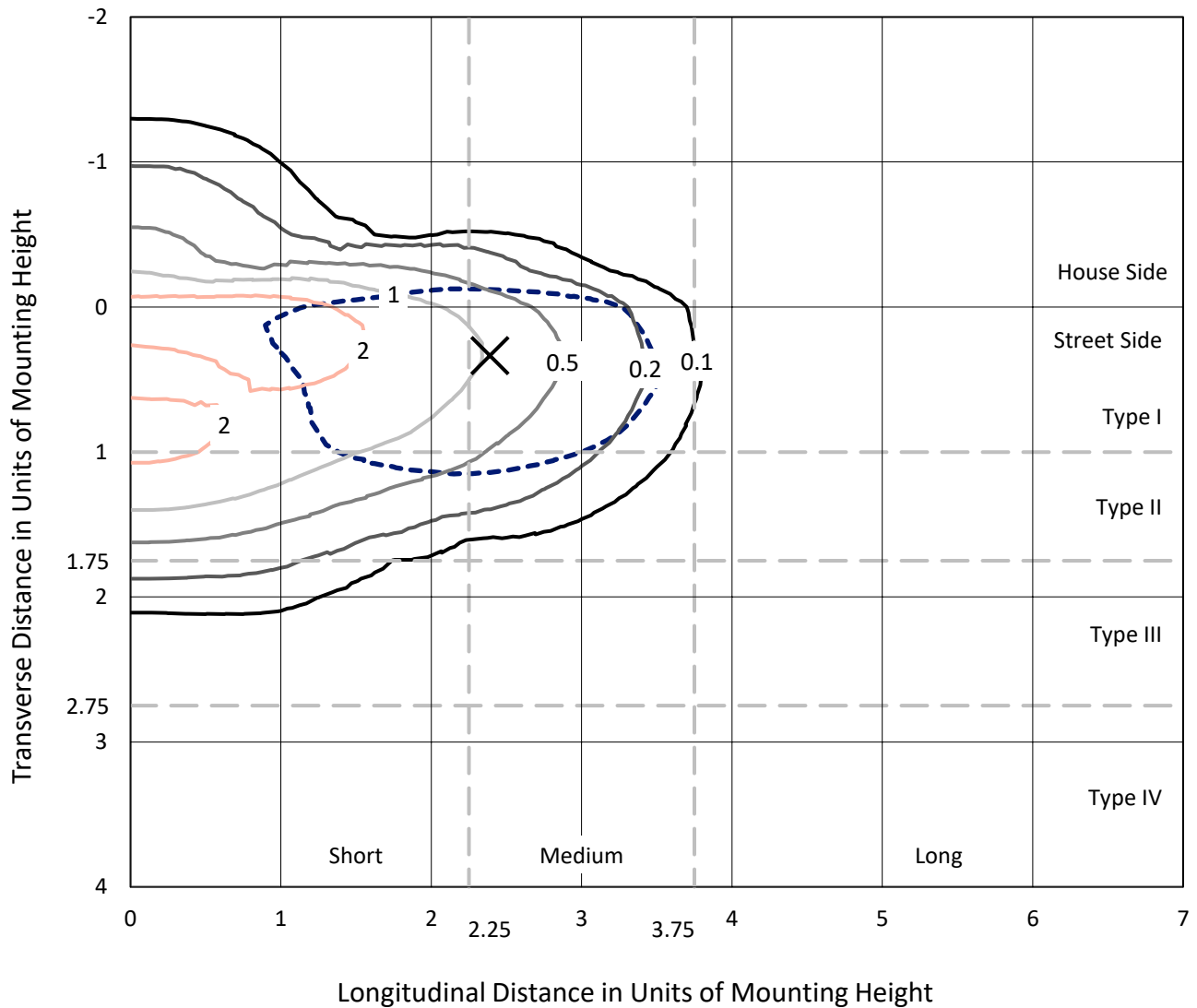
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

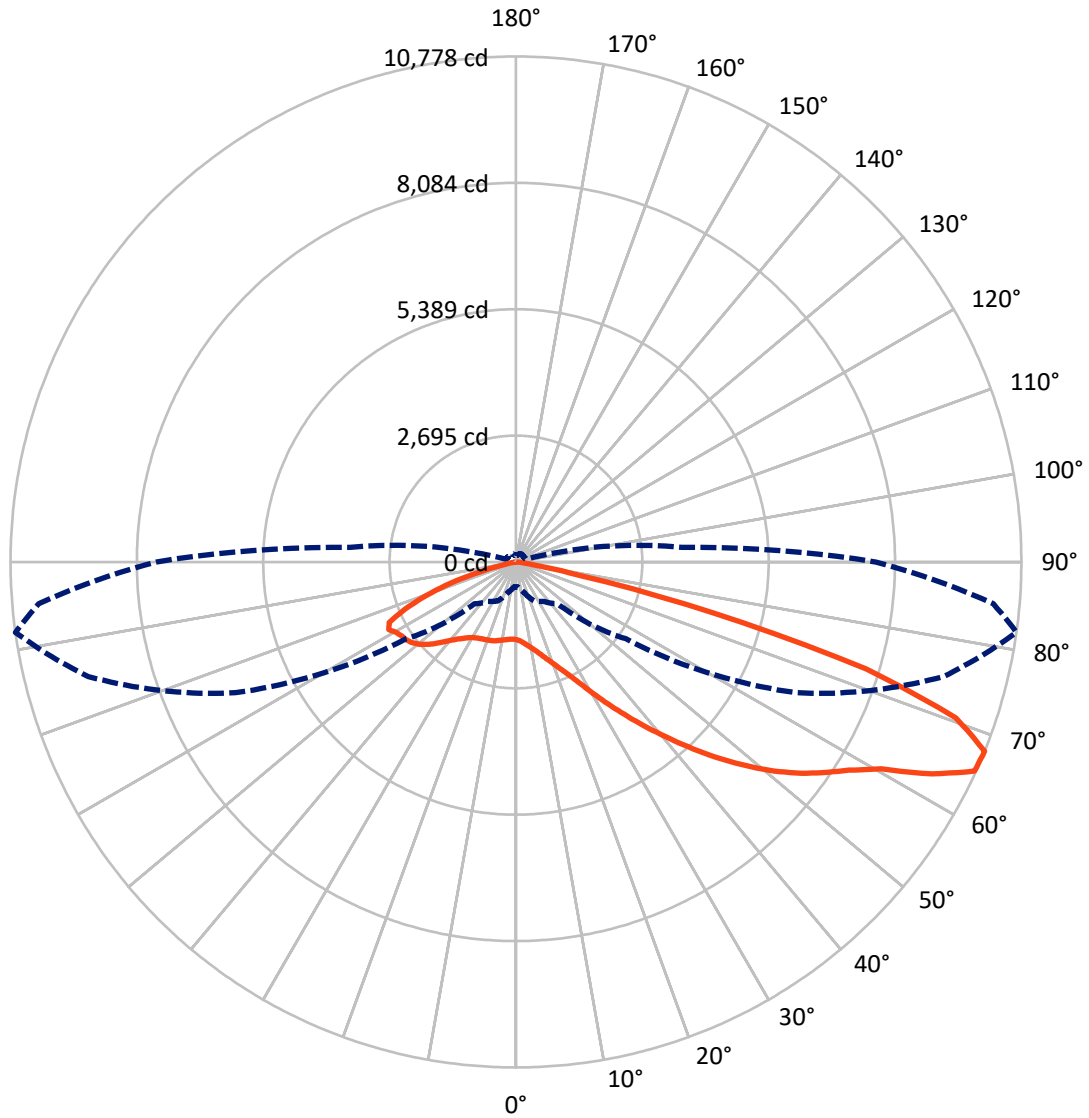
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.5 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1809.2	0.0	1809.2
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	8178.8	0.0	8178.8
	% Fixture	81.9	0.0	81.9
Total	Lumens	9988.0	0.0	9988.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	147.4	1.5
10°-20°	383.1	3.8
20°-30°	613.6	6.1
30°-40°	1085.0	10.9
40°-50°	1901.0	19.0
50°-60°	2535.4	25.4
60°-70°	2360.3	23.6
70°-80°	905.9	9.1
80°-90°	56.3	0.6
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°	9988.0	100.0
0°-180°	9988.0	100.0

Coefficient of Utilization



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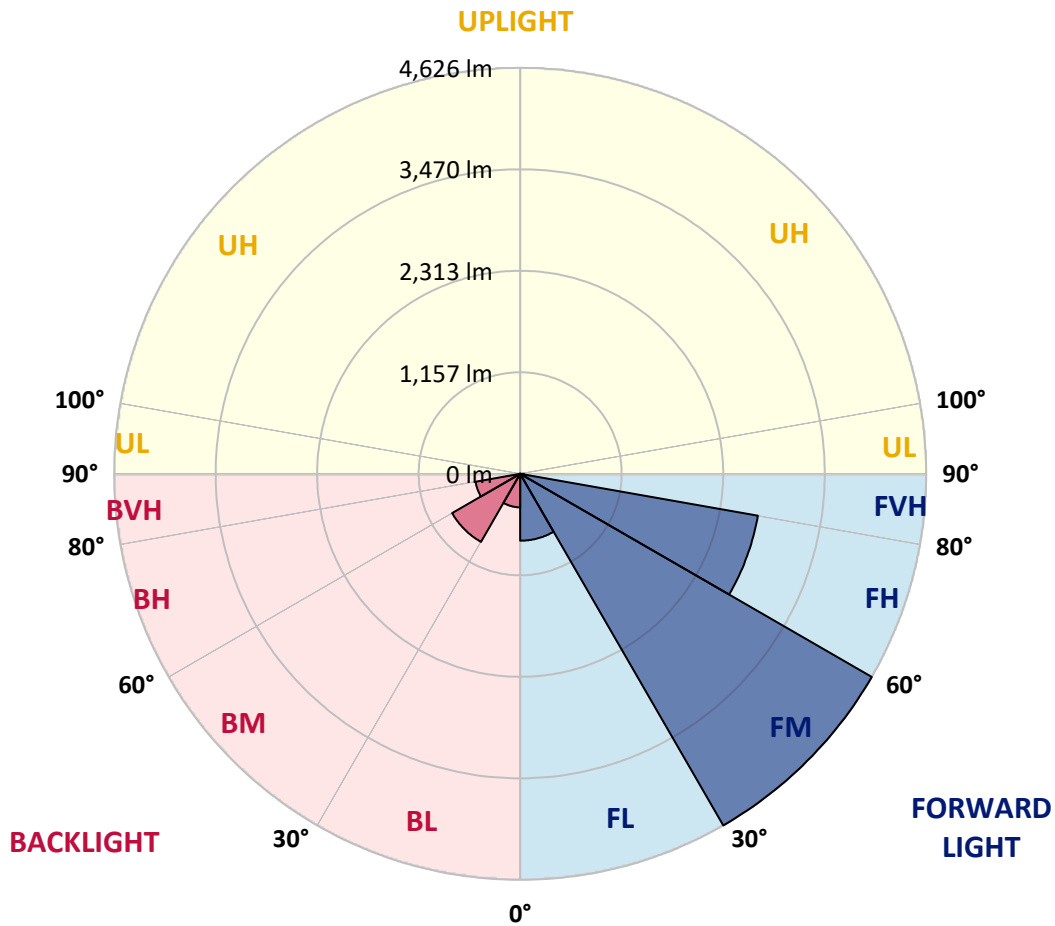
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	762.0	7.6			
FM (30°-60°)	4626.0	46.3			
FH (60°-80°)	2749.8	27.5			G2/5000
FVH (80°-90°)	40.9	0.4			G1/100
BL (0°-30°)	382.1	3.8	B1/500		
BM (30°-60°)	895.4	9.0	B1/1000		
BH (60°-80°)	516.4	5.2	B2/1000		G2/1000
BVH (80°-90°)	15.4	0.2			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°	1654.7	1654.7	1654.7	1654.7	1654.7	1654.7	1654.7	1654.7	1654.7	1654.7
2.5°	1748.9	1758.9	1753.2	1750.3	1745.3	1738.1	1732.3	1714.4	1695.7	1683.4
5°	1784.1	1794.2	1793.5	1796.3	1799.9	1802.1	1800.7	1780.5	1753.9	1733.1
7.5°	1753.9	1765.4	1774.8	1789.1	1814.3	1840.9	1853.9	1849.6	1822.2	1793.5
10°	1668.3	1680.6	1702.9	1736.7	1789.9	1847.4	1895.6	1917.9	1900.6	1869.0
12.5°	1511.6	1523.8	1567.7	1641.0	1730.2	1830.1	1922.2	1981.9	1986.2	1954.5
15°	1335.4	1347.6	1394.4	1486.4	1622.3	1782.7	1936.6	2049.5	2087.6	2060.3
17.5°	1226.1	1236.9	1272.1	1346.2	1487.8	1687.8	1931.5	2121.4	2208.4	2186.8
20°	1193.0	1202.4	1218.9	1270.7	1388.6	1589.2	1898.5	2189.0	2338.5	2326.3
22.5°	1228.2	1236.9	1241.9	1264.9	1339.0	1524.5	1856.7	2258.0	2489.6	2491.0
25°	1309.5	1318.1	1312.4	1326.8	1359.1	1504.4	1840.9	2339.3	2679.4	2695.2
27.5°	1443.3	1444.0	1430.3	1429.6	1434.6	1534.6	1857.5	2426.3	2918.9	2948.4
30°	1711.5	1700.7	1648.2	1591.4	1565.5	1625.2	1903.5	2529.1	3201.5	3254.0
32.5°	2125.0	2109.2	2012.8	1876.9	1740.2	1771.2	1986.2	2646.3	3509.3	3604.2
35°	2573.7	2569.4	2468.7	2266.6	2027.9	1979.0	2120.7	2800.2	3845.1	3996.1
37.5°	2990.8	2988.6	2931.1	2693.1	2402.5	2268.8	2336.4	3001.6	4204.6	4423.2
40°	3371.9	3378.4	3320.9	3108.0	2815.3	2640.6	2629.8	3250.4	4604.5	4888.5
42.5°	3701.3	3708.5	3650.2	3492.7	3223.1	3051.9	2990.1	3555.3	4994.9	5388.3
45°	3924.9	3969.5	3960.9	3835.0	3641.6	3464.0	3423.0	3937.8	5440.1	5918.3
47.5°	3988.2	4029.2	4093.9	4111.2	3993.2	3818.5	3867.4	4398.8	5890.2	6449.0
50°	3832.1	3870.3	4004.7	4183.8	4265.8	4211.8	4299.6	4892.8	6351.2	6978.2
52.5°	3524.4	3563.2	3732.9	4016.2	4350.6	4520.3	4733.2	5379.7	6797.8	7479.5
55°	3079.2	3120.2	3338.1	3658.8	4188.8	4647.6	5094.9	5865.8	7206.9	7930.4
57.5°	2473.7	2503.9	2730.5	3179.2	3781.8	4521.0	5361.7	6396.5	7592.4	8373.3
60°	1612.2	1638.9	1902.0	2402.5	3107.3	4098.2	5414.9	6988.3	8104.4	8949.3
62.5°	1072.2	1090.2	1246.2	1613.7	2188.3	3286.3	5103.5	7460.8	8855.1	9951.8
65°	735.7	753.6	909.7	1165.7	1413.8	2173.9	4208.2	7398.2	9535.4	10747.8
67.5°	525.0	540.1	672.4	914.0	1023.3	1262.8	2852.7	6598.6	9437.6	10778.0
70°	376.1	384.7	494.0	711.9	813.3	758.7	1586.4	5046.7	8263.3	9952.5
72.5°	263.2	266.1	343.0	542.2	655.1	553.7	755.1	3364.7	6249.8	7811.7
75°	178.3	181.9	230.8	397.7	525.7	422.8	399.8	1804.2	3668.9	4324.0
77.5°	109.3	110.7	148.9	271.8	393.4	322.2	257.4	764.4	1419.5	1393.6
80°	61.8	61.8	94.9	169.0	268.2	207.8	180.5	325.0	449.4	394.8
82.5°	34.5	35.2	69.0	105.0	177.6	123.0	99.2	150.3	194.2	171.9
85°	14.4	15.8	42.4	49.6	84.9	61.1	40.3	63.3	71.9	64.0
87.5°	1.4	2.2	12.9	9.3	10.1	12.2	5.8	12.2	10.1	10.1
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°
1654.7	0°	1654.7	1654.7	1654.7	1654.7	1654.7	1654.7	1654.7	1654.7	1654.7	1654.7
1679.1	2.5°	1665.5	1654.7	1627.3	1595.7	1554.0	1533.9	1506.5	1487.8	1472.0	1473.5
1720.8	5°	1697.8	1670.5	1609.4	1533.1	1438.2	1370.6	1298.7	1249.1	1208.8	1200.2
1778.4	7.5°	1742.4	1699.3	1592.1	1454.8	1294.4	1172.9	1064.3	994.5	944.9	929.1
1848.1	10°	1799.9	1737.4	1569.8	1356.2	1125.4	970.8	854.3	799.7	765.9	754.3
1930.1	12.5°	1866.8	1781.2	1540.3	1236.2	951.4	802.5	728.5	701.1	690.3	686.8
2030.8	15°	1950.9	1835.9	1495.8	1093.8	804.0	699.7	668.1	664.5	665.9	664.5
2151.6	17.5°	2050.9	1895.6	1423.1	947.1	704.7	647.2	635.7	638.6	642.2	641.4
2286.8	20°	2160.2	1954.5	1330.4	816.9	637.1	609.8	603.3	606.2	609.1	607.6
2442.8	22.5°	2284.6	2017.8	1227.5	715.5	591.8	575.3	568.1	568.8	568.8	565.9
2640.6	25°	2433.5	2087.6	1119.7	643.6	557.3	544.4	535.7	532.9	528.5	519.9
2880.8	27.5°	2611.1	2161.6	1016.1	593.3	530.0	517.8	507.7	500.5	489.7	475.3
3169.1	30°	2811.0	2251.5	928.4	561.6	508.4	496.2	484.7	473.9	458.1	440.1
3500.6	32.5°	3046.2	2347.9	864.4	540.8	489.0	476.1	462.4	449.4	432.2	414.2
3873.1	35°	3326.6	2464.4	827.0	526.4	473.9	456.6	441.5	427.2	414.2	398.4
4278.0	37.5°	3630.8	2588.1	815.5	519.2	463.8	437.2	420.0	409.9	408.5	399.1
4715.9	40°	3963.7	2734.8	824.1	514.9	453.0	418.5	399.8	397.7	401.3	384.7
5184.1	42.5°	4316.1	2908.8	838.5	509.8	437.9	399.8	381.8	381.8	379.0	356.0
5678.8	45°	4697.2	3109.4	852.9	497.6	420.0	381.1	367.5	362.4	350.2	327.9
6176.4	47.5°	5081.2	3313.7	863.7	475.3	398.4	365.3	353.1	341.6	323.6	303.5
6664.7	50°	5445.8	3497.0	852.1	442.3	373.9	350.2	337.3	321.4	302.0	288.4
7127.1	52.5°	5771.6	3656.0	803.2	403.4	348.0	334.4	322.9	306.3	290.5	276.1
7544.2	55°	6054.9	3784.7	717.0	366.7	325.0	320.7	309.2	288.4	266.8	254.6
7957.7	57.5°	6326.7	3882.5	609.1	336.5	304.2	305.6	288.4	269.7	249.5	236.6
8515.0	60°	6688.4	4013.4	499.8	308.5	281.9	286.2	267.5	253.8	228.7	212.1
9470.7	62.5°	7266.6	4216.9	396.9	274.0	256.0	257.4	249.5	233.0	202.8	183.4
10179.0	65°	7725.4	4142.1	312.8	236.6	226.5	228.7	228.7	210.7	178.3	156.0
10217.1	67.5°	7673.6	3546.7	249.5	199.9	198.5	199.9	204.9	189.8	158.2	140.2
9439.0	70°	7068.9	2821.1	199.9	166.1	172.6	169.0	183.4	173.3	142.4	124.4
7317.7	72.5°	5768.0	2032.2	152.5	137.4	132.3	138.1	165.4	156.0	118.7	98.5
3876.0	75°	3370.5	1084.4	113.6	108.6	95.6	115.1	146.7	133.0	90.6	72.6
1188.0	77.5°	1097.4	378.3	83.4	79.8	71.2	92.8	125.1	112.2	74.1	57.5
348.0	80°	294.1	114.3	56.8	52.5	46.0	69.0	99.2	89.2	53.2	37.4
149.6	82.5°	117.9	48.2	33.1	29.5	25.2	47.5	78.4	71.9	39.6	23.7
46.7	85°	38.1	15.8	12.2	9.3	11.5	29.5	46.7	48.9	28.0	12.2
7.2	87.5°	5.0	2.2	2.2	2.9	2.2	5.0	14.4	13.7	7.9	1.4
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

<u>180°</u>
1654.7
1459.1
1180.8
913.3
745.7
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663.7
640.0
606.9
564.5
518.5
473.9
438.7
414.9
396.9
398.4
385.4
356.0
327.2
302.7
286.2
274.7
253.1
235.1
210.0
181.9
153.9
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122.2
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