

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: P940274

Luminaire Tested: **GALN-SB3B-735-U-T2-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940274
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-SB3B-735-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 3500K, 450mA 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: 12337 lumens
Efficiency: N/A
Efficacy: 113.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

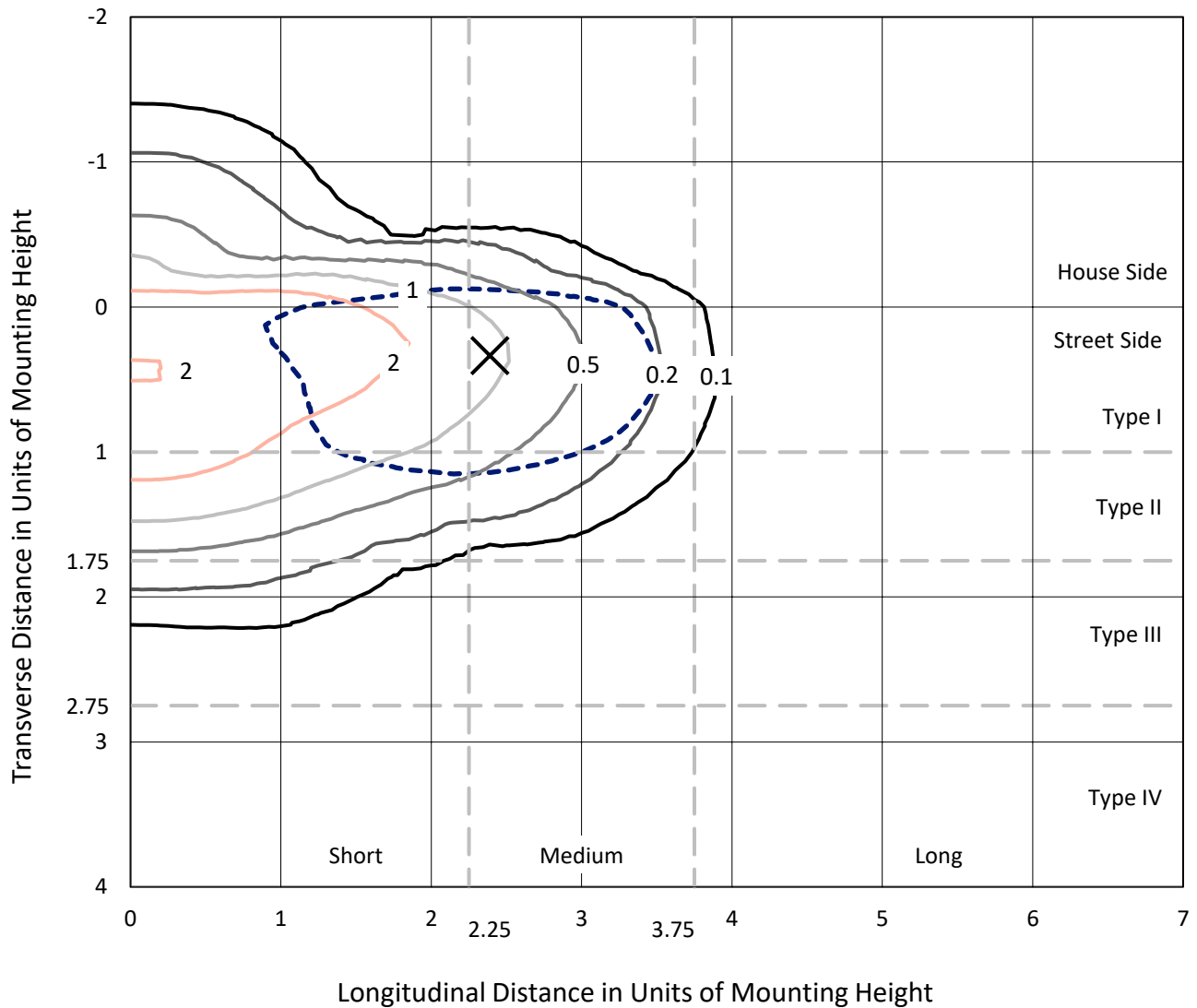
Input Watts (W): 109.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

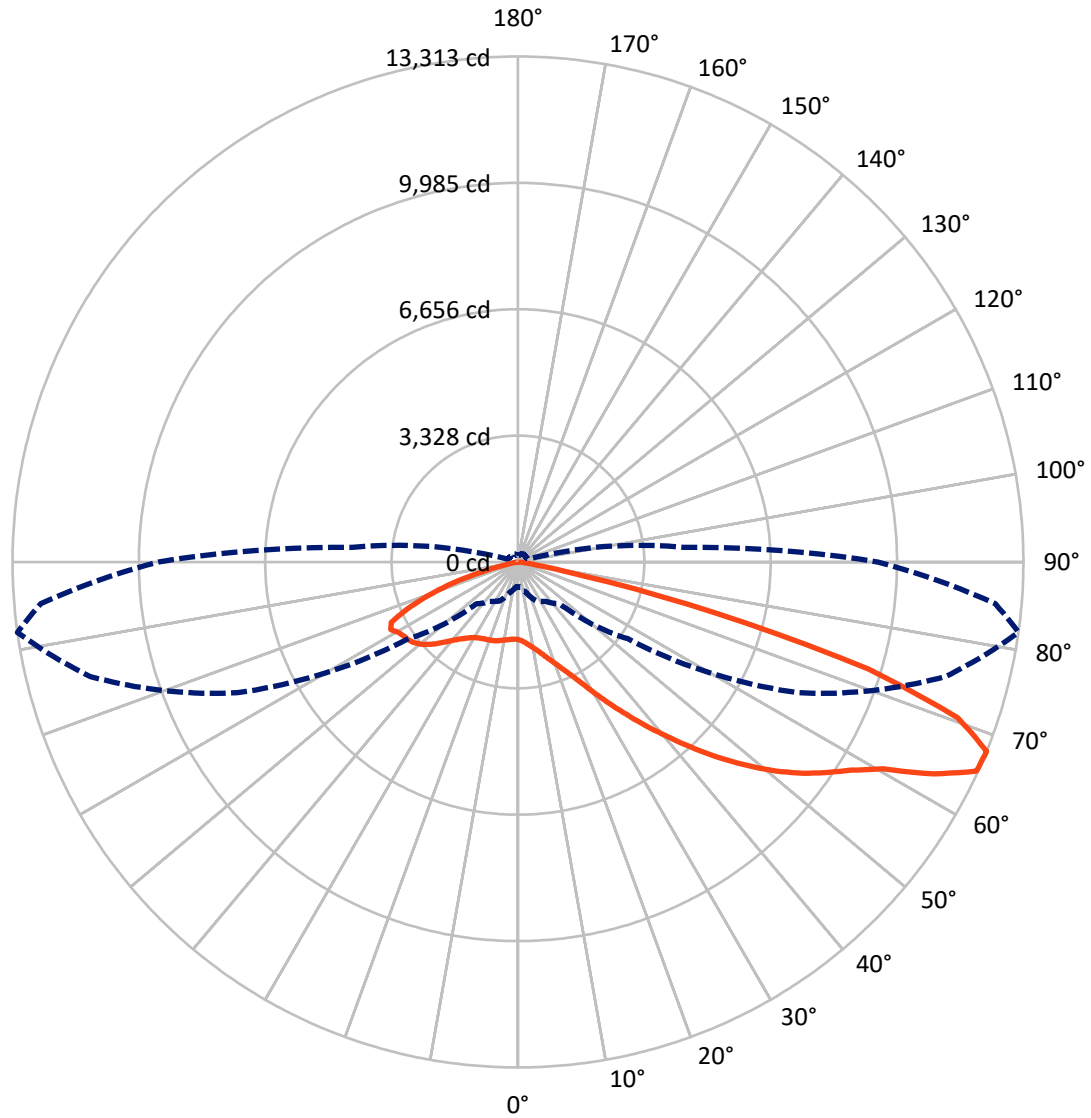
✕ Max cd
 - - - 1/2 Max cd



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 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2234.7	0.0	2234.7
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	10102.3	0.0	10102.3
	% Fixture	81.9	0.0	81.9
Total	Lumens	12337.0	0.0	12337.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	182.1	1.5
10°-20°	473.2	3.8
20°-30°	757.9	6.1
30°-40°	1340.2	10.9
40°-50°	2348.1	19.0
50°-60°	3131.7	25.4
60°-70°	2915.5	23.6
70°-80°	1118.9	9.1
80°-90°	69.5	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°	12337.0	100.0
0°-180°	12337.0	100.0

Coefficient of Utilization



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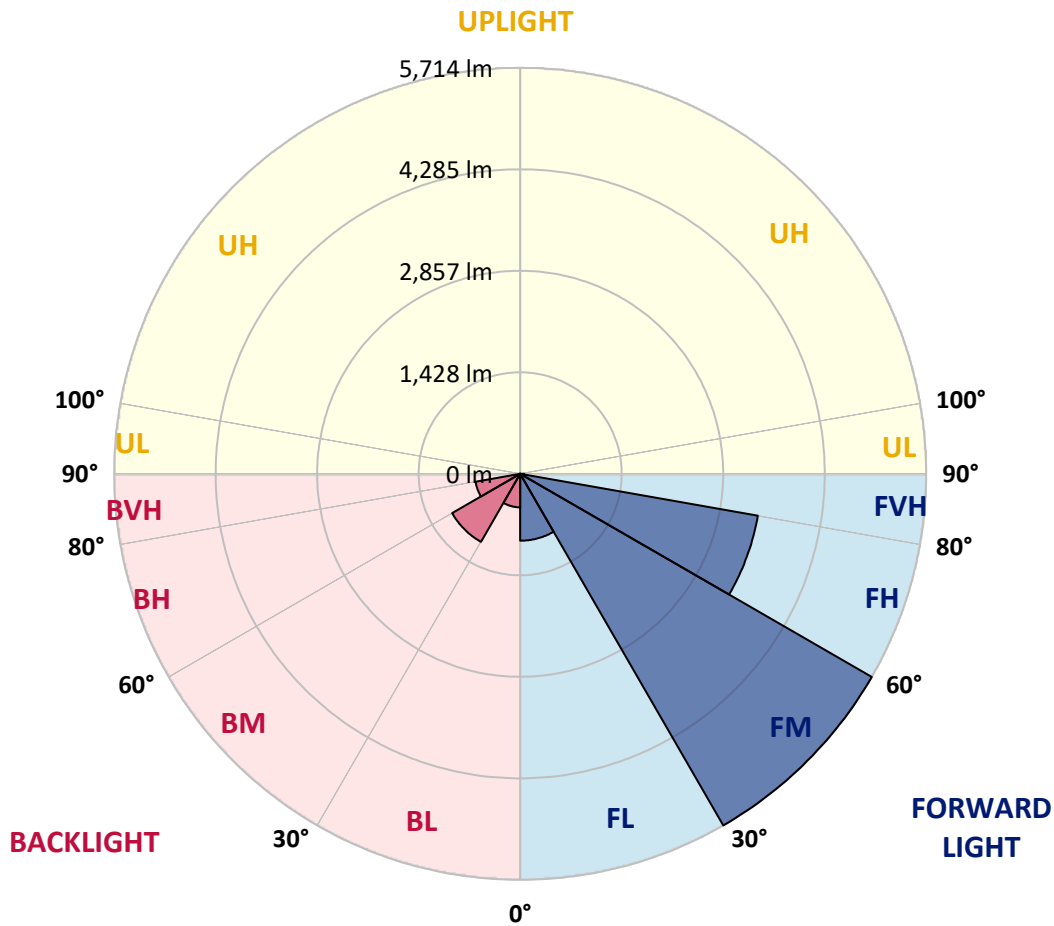
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	941.2	7.6			
FM	(30°-60°)	5714.0	46.3			
FH	(60°-80°)	3396.6	27.5			G2/5000
FVH	(80°-90°)	50.5	0.4			G1/100
BL	(0°-30°)	472.0	3.8	B1/500		
BM	(30°-60°)	1106.0	9.0	B2/2500		
BH	(60°-80°)	637.8	5.2	B2/1000		G2/1000
BVH	(80°-90°)	19.0	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°	2043.8	2043.8	2043.8	2043.8	2043.8	2043.8	2043.8	2043.8	2043.8	2043.8
2.5°	2160.2	2172.6	2165.5	2162.0	2155.7	2146.9	2139.8	2117.5	2094.5	2079.4
5°	2203.7	2216.1	2215.3	2218.8	2223.2	2225.9	2224.1	2199.3	2166.4	2140.6
7.5°	2166.4	2180.6	2192.2	2209.9	2241.0	2273.9	2289.9	2284.5	2250.8	2215.3
10°	2060.7	2075.8	2103.3	2145.1	2210.8	2281.9	2341.4	2368.9	2347.6	2308.5
12.5°	1867.1	1882.2	1936.3	2026.9	2137.1	2260.6	2374.2	2448.0	2453.3	2414.2
15°	1649.4	1664.5	1722.3	1836.0	2003.9	2201.9	2392.0	2531.5	2578.5	2544.8
17.5°	1514.4	1527.8	1571.3	1662.8	1837.8	2084.7	2385.8	2620.3	2727.8	2701.1
20°	1473.6	1485.1	1505.6	1569.5	1715.2	1963.0	2344.9	2703.8	2888.5	2873.4
22.5°	1517.1	1527.8	1534.0	1562.4	1653.9	1883.1	2293.4	2789.1	3075.1	3076.8
25°	1617.5	1628.1	1621.0	1638.8	1678.8	1858.2	2273.9	2889.4	3309.6	3329.1
27.5°	1782.7	1783.6	1766.7	1765.8	1772.0	1895.5	2294.3	2996.9	3605.3	3641.8
30°	2114.0	2100.7	2035.8	1965.7	1933.7	2007.4	2351.2	3123.9	3954.4	4019.3
32.5°	2624.7	2605.2	2486.2	2318.3	2149.5	2187.7	2453.3	3268.7	4334.6	4451.8
35°	3179.0	3173.7	3049.3	2799.7	2504.8	2444.4	2619.4	3458.8	4749.4	4935.9
37.5°	3694.2	3691.5	3620.4	3326.4	2967.6	2802.4	2885.9	3707.5	5193.5	5463.5
40°	4164.9	4172.9	4101.9	3838.9	3477.4	3261.6	3248.3	4014.8	5687.4	6038.2
42.5°	4571.7	4580.6	4508.7	4314.1	3981.1	3769.7	3693.3	4391.4	6169.7	6655.5
45°	4848.0	4903.0	4892.4	4736.9	4498.0	4278.6	4228.0	4864.0	6719.5	7310.2
47.5°	4926.1	4976.8	5056.7	5078.0	4932.4	4716.5	4776.9	5433.3	7275.5	7965.7
50°	4733.4	4780.5	4946.6	5167.7	5269.0	5202.4	5310.7	6043.5	7844.9	8619.4
52.5°	4353.2	4401.2	4610.8	4960.8	5373.8	5583.4	5846.3	6644.9	8396.5	9238.5
55°	3803.4	3854.0	4123.2	4519.3	5174.0	5740.6	6293.1	7245.3	8901.9	9795.4
57.5°	3055.5	3092.8	3372.6	3926.9	4671.2	5584.3	6622.7	7900.8	9378.0	10342.6
60°	1991.4	2024.3	2349.4	2967.6	3838.1	5062.0	6688.4	8631.8	10010.4	11054.1
62.5°	1324.4	1346.6	1539.3	1993.2	2702.9	4059.2	6303.8	9215.4	10937.7	12292.3
65°	908.7	930.9	1123.6	1439.8	1746.3	2685.1	5197.9	9138.1	11778.0	13275.5
67.5°	648.4	667.1	830.5	1128.9	1264.0	1559.7	3523.6	8150.4	11657.2	13312.8
70°	464.5	475.2	610.2	879.4	1004.6	937.1	1959.4	6233.6	10206.7	12293.1
72.5°	325.1	328.6	423.7	669.7	809.2	683.9	932.6	4156.0	7719.6	9648.9
75°	220.3	224.7	285.1	491.2	649.3	522.3	493.9	2228.6	4531.8	5340.9
77.5°	135.0	136.8	183.9	335.8	485.9	397.9	318.0	944.2	1753.4	1721.4
80°	76.4	76.4	117.2	208.7	331.3	256.7	222.9	401.5	555.1	487.6
82.5°	42.6	43.5	85.3	129.7	219.4	151.9	122.6	185.6	239.8	212.3
85°	17.8	19.5	52.4	61.3	104.8	75.5	49.7	78.2	88.8	79.1
87.5°	1.8	2.7	16.0	11.5	12.4	15.1	7.1	15.1	12.4	12.4
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°
2043.8	0°	2043.8	2043.8	2043.8	2043.8	2043.8	2043.8	2043.8	2043.8	2043.8	2043.8
2074.0	2.5°	2057.1	2043.8	2010.1	1971.0	1919.5	1894.6	1860.8	1837.8	1818.2	1820.0
2125.5	5°	2097.1	2063.4	1987.9	1893.7	1776.5	1693.0	1604.1	1542.9	1493.1	1482.5
2196.6	7.5°	2152.2	2098.9	1966.5	1796.9	1598.8	1448.7	1314.6	1228.4	1167.1	1147.6
2282.8	10°	2223.2	2146.0	1939.0	1675.2	1390.1	1199.1	1055.2	987.7	946.0	931.8
2384.0	12.5°	2305.9	2200.2	1902.6	1526.9	1175.1	991.3	899.8	866.0	852.7	848.3
2508.4	15°	2409.8	2267.7	1847.5	1351.0	993.0	864.3	825.2	820.7	822.5	820.7
2657.6	17.5°	2533.2	2341.4	1757.8	1169.8	870.5	799.4	785.2	788.8	793.2	792.3
2824.6	20°	2668.3	2414.2	1643.2	1009.0	787.0	753.2	745.2	748.8	752.3	750.6
3017.3	22.5°	2821.9	2492.4	1516.2	883.8	731.0	710.6	701.7	702.6	702.6	699.0
3261.6	25°	3005.8	2578.5	1383.0	795.0	688.4	672.4	661.7	658.2	652.9	642.2
3558.3	27.5°	3225.2	2670.0	1255.1	732.8	654.6	639.5	627.1	618.2	604.9	587.1
3914.4	30°	3472.1	2781.1	1146.7	693.7	628.0	612.9	598.7	585.3	565.8	543.6
4323.9	32.5°	3762.6	2900.1	1067.7	668.0	604.0	588.0	571.1	555.1	533.8	511.6
4784.0	35°	4109.0	3044.0	1021.5	650.2	585.3	564.0	545.4	527.6	511.6	492.1
5284.1	37.5°	4484.7	3196.7	1007.3	641.3	572.9	540.0	518.7	506.3	504.5	493.0
5825.0	40°	4895.9	3377.9	1017.9	636.0	559.6	517.0	493.9	491.2	495.6	475.2
6403.3	42.5°	5331.2	3592.9	1035.7	629.8	540.9	493.9	471.7	471.7	468.1	439.7
7014.4	45°	5801.9	3840.7	1053.4	614.7	518.7	470.8	453.9	447.7	432.6	405.0
7629.0	47.5°	6276.3	4093.0	1066.8	587.1	492.1	451.2	436.1	421.9	399.7	374.8
8232.1	50°	6726.6	4319.5	1052.6	546.3	461.9	432.6	416.6	397.0	373.1	356.2
8803.3	52.5°	7129.0	4515.8	992.2	498.3	429.9	413.0	398.8	378.4	358.8	341.1
9318.4	55°	7478.9	4674.8	885.6	453.0	401.5	396.2	381.9	356.2	329.5	314.4
9829.2	57.5°	7814.7	4795.6	752.3	415.7	375.7	377.5	356.2	333.1	308.2	292.2
10517.6	60°	8261.5	4957.2	617.3	381.1	348.2	353.5	330.4	313.5	282.5	262.0
11698.0	62.5°	8975.6	5208.6	490.3	338.4	316.2	318.0	308.2	287.8	250.5	226.5
12572.9	65°	9542.3	5116.2	386.4	292.2	279.8	282.5	282.5	260.3	220.3	192.7
12620.0	67.5°	9478.3	4380.8	308.2	246.9	245.2	246.9	253.1	234.5	195.4	173.2
11658.9	70°	8731.3	3484.5	246.9	205.2	213.2	208.7	226.5	214.1	175.9	153.7
9038.7	72.5°	7124.5	2510.1	188.3	169.7	163.4	170.5	204.3	192.7	146.6	121.7
4787.6	75°	4163.1	1339.5	140.3	134.1	118.1	142.1	181.2	164.3	111.9	89.7
1467.4	77.5°	1355.4	467.2	103.0	98.6	87.9	114.6	154.6	138.6	91.5	71.1
429.9	80°	363.3	141.2	70.2	64.8	56.8	85.3	122.6	110.1	65.7	46.2
184.8	82.5°	145.7	59.5	40.9	36.4	31.1	58.6	96.8	88.8	48.9	29.3
57.7	85°	47.1	19.5	15.1	11.5	14.2	36.4	57.7	60.4	34.6	15.1
8.9	87.5°	6.2	2.7	2.7	3.6	2.7	6.2	17.8	16.9	9.8	1.8
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°
2043.8
1802.2
1458.5
1128.1
921.1
845.6
819.8
790.5
749.7
697.3
640.4
585.3
541.8
512.5
490.3
492.1
476.1
439.7
404.1
373.9
353.5
339.3
312.7
290.5
259.4
224.7
190.1
169.7
151.0
119.0
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45.3
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