

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: P948712

Luminaire Tested: **GALN-SB3C-935-U-T3R**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948712
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-5)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB3C-935-U-T3R
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
ROADWAY OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16047 lumens
Efficiency: N/A
Efficacy: 107.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G3

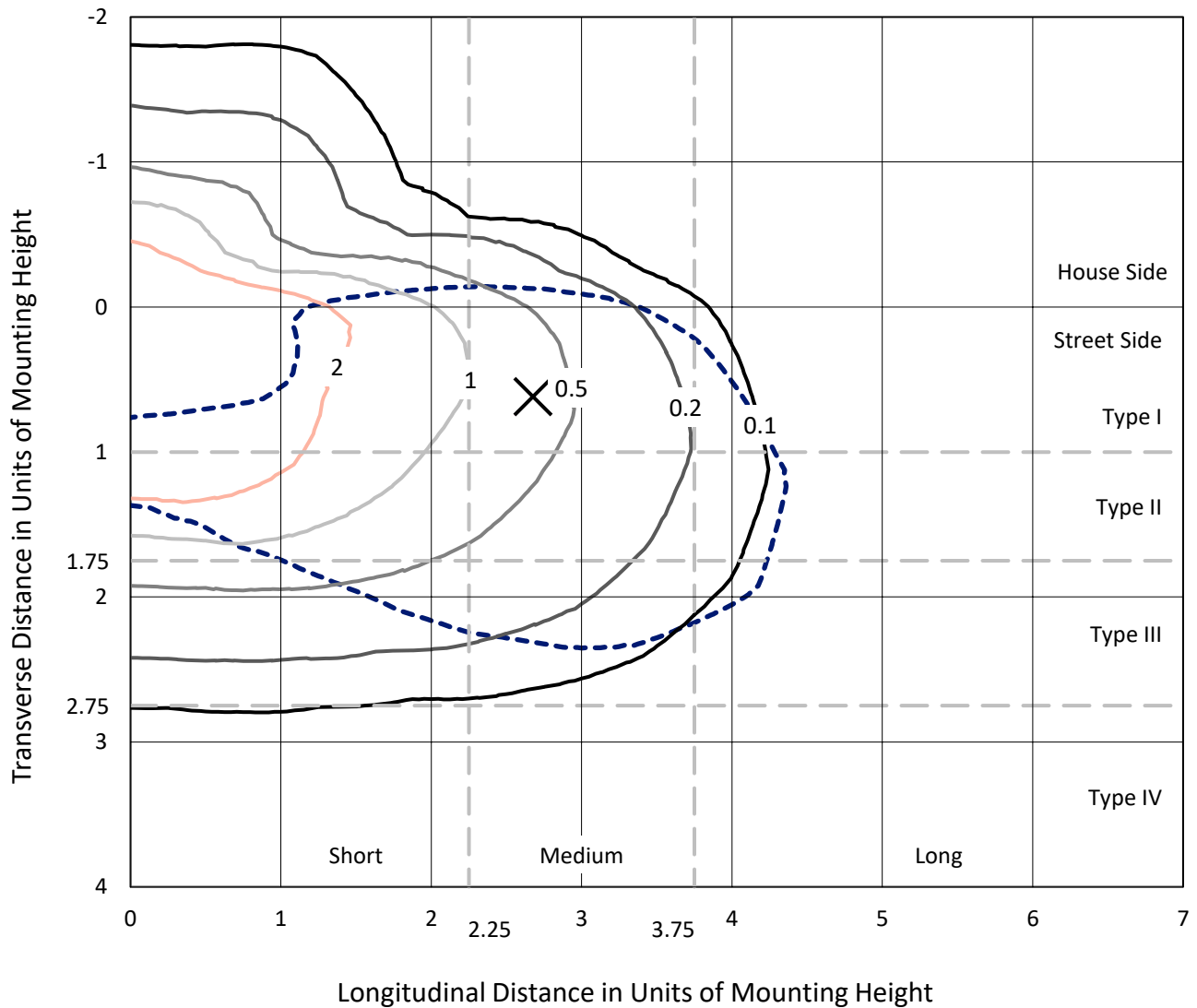
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

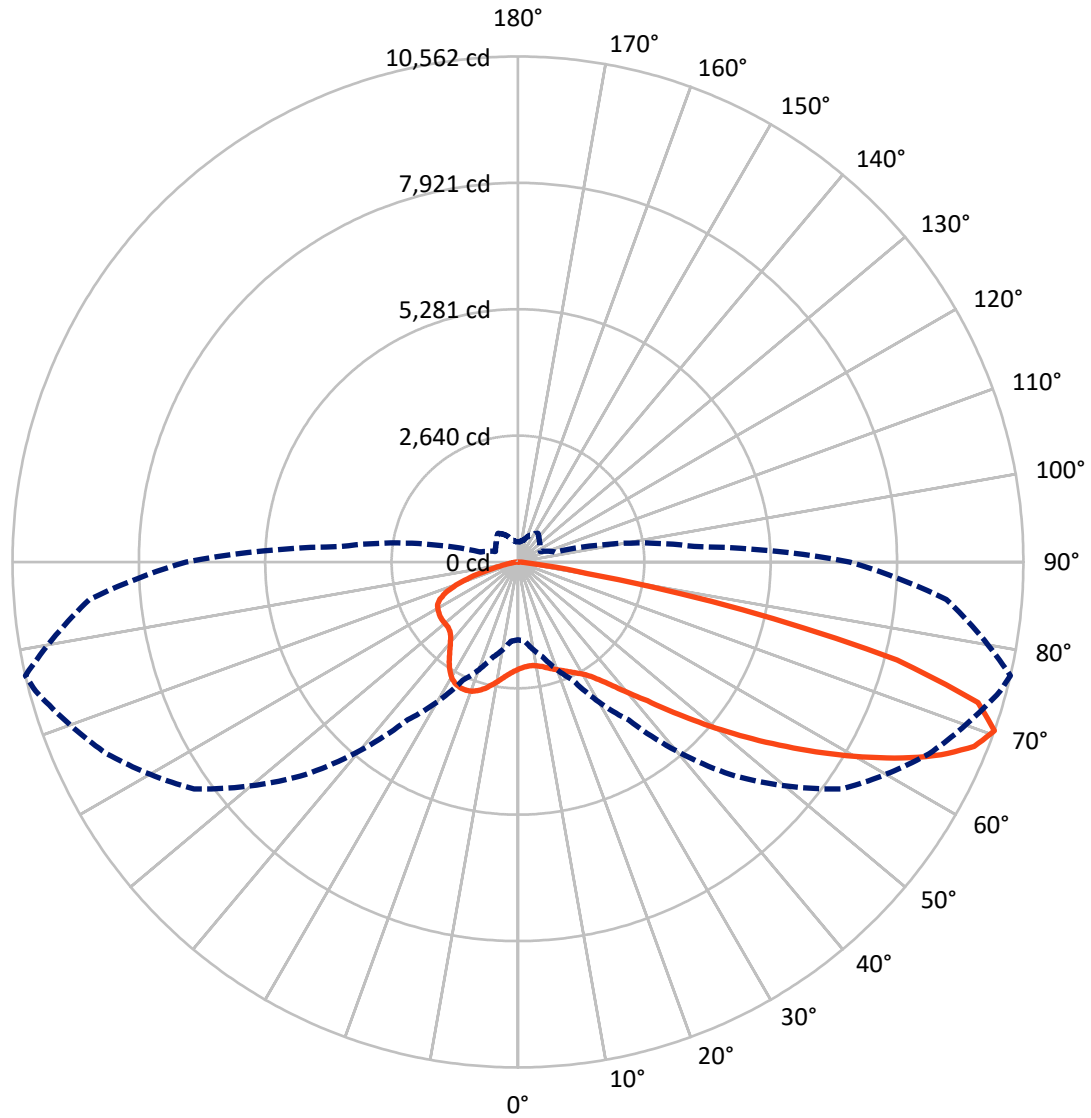
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.2 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	3514.0	0.0	3514.0
	% Fixture	21.9	0.0	21.9
Street Side	Lumens	12532.9	0.0	12532.9
	% Fixture	78.1	0.0	78.1
Total	Lumens	16047.0	0.0	16047.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	213.5	1.3
10°-20°	616.2	3.8
20°-30°	1053.8	6.6
30°-40°	1694.6	10.6
40°-50°	2645.8	16.5
50°-60°	3534.1	22.0
60°-70°	3766.8	23.5
70°-80°	2318.8	14.5
80°-90°	203.2	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°	16047.0	100.0
0°-180°	16047.0	100.0

Coefficient of Utilization



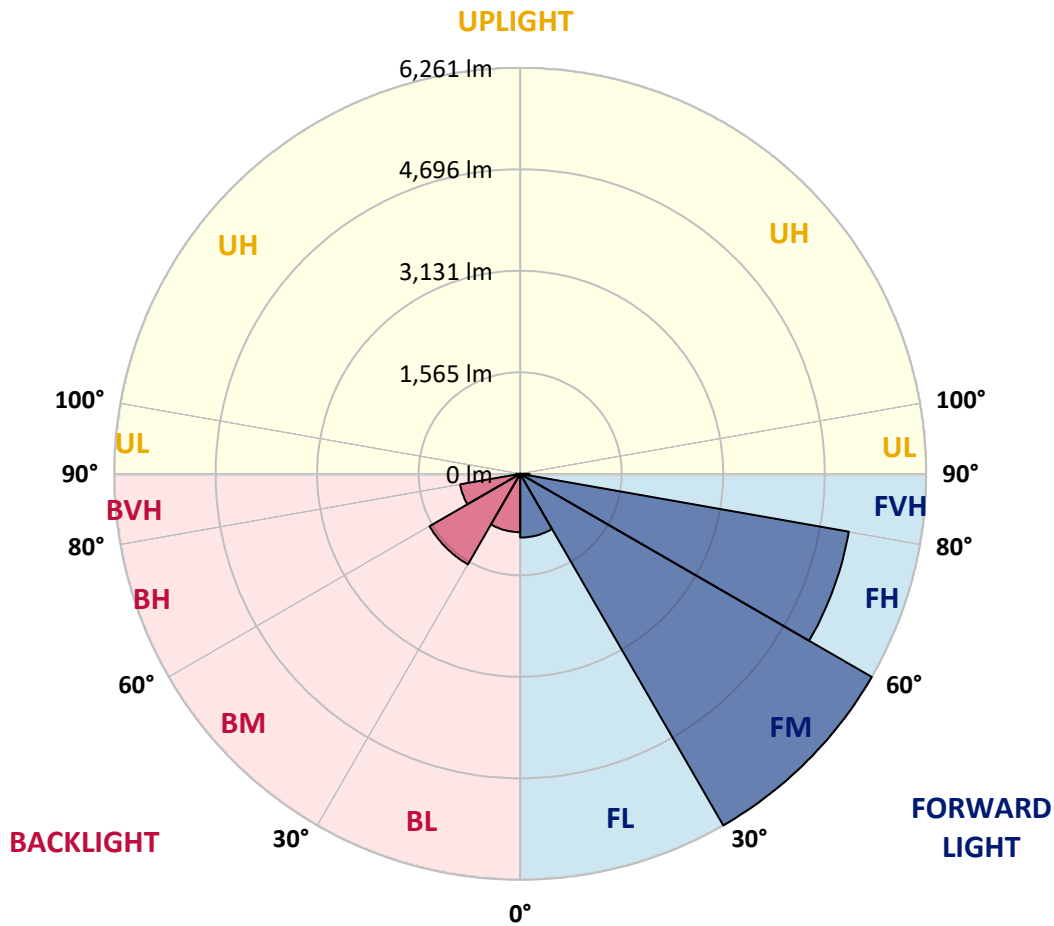
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	983.1	6.1			
FM (30°-60°)	6261.2	39.0			
FH (60°-80°)	5146.5	32.1			G3/7500
FVH (80°-90°)	142.1	0.9			G2/225
BL (0°-30°)	900.4	5.6	B2/1000		
BM (30°-60°)	1613.4	10.1	B2/2500		
BH (60°-80°)	939.2	5.9	B2/1000		G2/1000
BVH (80°-90°)	61.1	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°
0°	2238.7	2238.7	2238.7	2238.7	2238.7	2238.7	2238.7	2238.7	2238.7	2238.7
2.5°	2063.7	2062.8	2073.5	2076.8	2096.5	2110.5	2136.8	2164.7	2200.9	2205.0
5°	1944.5	1944.5	1956.8	1970.0	1995.4	2023.4	2063.7	2112.1	2174.6	2184.5
7.5°	1843.4	1850.0	1860.7	1886.1	1915.7	1956.0	2017.6	2086.7	2168.8	2184.5
10°	1762.0	1769.4	1782.6	1803.1	1847.5	1903.4	1983.9	2072.7	2182.8	2207.5
12.5°	1736.6	1744.0	1751.3	1767.0	1808.1	1873.8	1970.0	2079.3	2216.5	2241.2
15°	1795.7	1804.8	1799.0	1794.9	1816.3	1876.3	1976.5	2103.1	2258.4	2293.8
17.5°	1932.2	1935.4	1922.3	1883.7	1880.4	1912.4	2007.8	2136.0	2311.0	2349.7
20°	2152.4	2146.7	2119.5	2043.1	1999.5	1993.0	2061.2	2185.3	2365.3	2406.4
22.5°	2451.6	2445.0	2390.7	2269.9	2173.0	2108.9	2138.4	2249.4	2426.1	2472.1
25°	2824.7	2815.6	2735.9	2571.5	2421.2	2262.5	2243.6	2334.0	2500.9	2543.6
27.5°	3260.3	3252.9	3166.6	2949.6	2732.6	2472.9	2374.3	2433.5	2578.9	2627.4
30°	3728.7	3750.1	3597.2	3363.8	3089.3	2747.4	2550.2	2555.9	2680.0	2723.6
32.5°	4279.3	4316.3	4132.2	3836.4	3461.6	3045.8	2772.1	2726.9	2827.1	2863.3
35°	4825.0	4867.0	4714.1	4387.0	3955.5	3397.5	3003.8	2923.3	3022.7	3062.2
37.5°	5296.8	5352.7	5273.8	4989.4	4484.0	3821.6	3306.3	3154.2	3263.5	3312.9
40°	5669.1	5754.6	5748.8	5571.3	5106.9	4336.0	3690.1	3439.4	3562.7	3616.1
42.5°	5971.5	6045.5	6109.6	6100.5	5757.0	4920.4	4141.3	3810.1	3903.8	3965.4
45°	6180.3	6259.2	6397.2	6546.0	6382.4	5545.8	4658.2	4249.8	4335.2	4428.1
47.5°	6366.8	6456.4	6635.6	6871.4	6913.4	6173.7	5224.5	4761.8	4839.8	4936.0
50°	6383.3	6460.5	6738.3	7072.8	7290.6	6776.9	5832.6	5336.2	5409.4	5512.1
52.5°	5986.3	6107.9	6592.8	7067.0	7464.0	7281.5	6436.7	5933.7	6015.9	6139.2
55°	4646.7	4825.0	6166.3	6846.8	7402.3	7607.8	7011.2	6569.0	6674.2	6803.2
57.5°	4002.4	4080.5	4894.9	6445.7	7121.3	7692.5	7496.0	7210.9	7380.2	7521.5
60°	3597.2	3662.1	4143.7	5821.9	6751.4	7558.5	7870.8	7809.2	8101.7	8270.2
62.5°	3163.3	3224.9	3663.0	4861.2	6278.1	7335.8	8107.5	8361.4	8841.4	9025.5
65°	2732.6	2785.2	3205.2	4084.6	5676.5	7113.1	8229.9	8838.9	9526.0	9716.7
67.5°	2252.7	2296.2	2693.2	3446.0	4945.0	6808.2	8290.8	9214.5	10121.8	10285.4
70°	1625.6	1659.3	2069.4	2725.2	4027.0	6283.8	8266.1	9480.8	10430.8	10561.5
72.5°	768.4	798.8	1280.4	1769.4	2844.4	5263.1	7767.2	9269.6	10116.9	10052.0
75°	410.1	436.4	735.6	970.6	1502.3	3607.9	6356.1	7985.0	8495.4	8179.8
77.5°	277.8	298.3	455.3	582.7	686.2	1712.7	4085.4	5528.5	5319.0	4797.9
80°	220.3	241.6	373.1	394.5	332.0	618.8	1688.1	2559.2	1838.5	1470.3
82.5°	169.3	193.1	313.9	286.0	180.8	253.9	491.5	809.5	470.9	358.3
85°	103.6	129.0	246.6	182.4	101.9	115.9	166.8	225.2	143.8	120.0
87.5°	52.6	74.0	124.9	66.6	46.0	27.1	44.4	44.4	37.8	32.9
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°
2238.7	0°	2238.7	2238.7	2238.7	2238.7	2238.7	2238.7	2238.7	2238.7	2238.7	2238.7
2227.2	2.5°	2246.9	2263.4	2291.3	2317.6	2338.1	2357.9	2377.6	2388.3	2391.6	2404.7
2239.5	5°	2273.2	2303.6	2357.9	2408.8	2440.9	2460.6	2474.6	2482.8	2484.4	2488.5
2273.2	7.5°	2321.7	2370.2	2445.8	2496.8	2520.6	2519.0	2513.2	2492.7	2484.4	2477.0
2322.5	10°	2389.9	2454.0	2546.9	2582.2	2567.4	2528.0	2477.0	2417.0	2389.1	2362.0
2389.9	12.5°	2474.6	2555.9	2647.2	2645.5	2572.4	2471.3	2352.9	2260.9	2202.5	2160.6
2472.9	15°	2577.3	2671.0	2740.8	2685.0	2524.7	2343.1	2169.7	2049.7	1997.1	1951.1
2556.8	17.5°	2683.3	2783.6	2815.6	2672.6	2404.7	2153.2	1956.8	1862.3	1810.5	1785.9
2647.2	20°	2786.9	2886.3	2860.0	2602.0	2222.3	1937.9	1762.9	1711.1	1700.4	1706.1
2735.1	22.5°	2896.2	2984.9	2869.1	2465.5	1989.7	1717.7	1621.5	1623.1	1647.0	1664.2
2827.1	25°	3007.9	3067.9	2845.2	2268.3	1739.8	1555.8	1531.9	1558.2	1605.1	1638.8
2930.7	27.5°	3115.6	3141.9	2793.4	2024.2	1525.3	1439.9	1444.0	1498.2	1568.9	1615.7
3056.4	30°	3237.2	3207.7	2694.0	1749.7	1376.6	1340.4	1374.9	1438.2	1508.9	1550.8
3215.1	32.5°	3374.5	3264.4	2536.2	1495.8	1271.4	1260.7	1317.4	1358.5	1389.7	1402.1
3425.4	35°	3545.4	3344.1	2334.0	1317.4	1176.9	1202.4	1256.6	1236.1	1223.7	1217.2
3708.2	37.5°	3767.3	3451.7	2097.3	1201.5	1100.4	1160.4	1182.6	1118.5	1070.0	1046.2
4050.9	40°	4034.4	3609.5	1869.7	1112.0	1052.0	1124.3	1085.7	1008.4	946.8	913.1
4436.3	42.5°	4331.1	3774.7	1678.2	1044.6	1024.8	1094.7	1014.2	922.1	822.7	812.0
4895.7	45°	4642.6	3944.9	1547.5	992.8	1011.7	1069.2	973.1	824.3	753.6	797.2
5356.8	47.5°	4954.1	4101.0	1468.6	954.2	1005.1	1040.5	936.9	770.1	719.9	783.2
5850.7	50°	5300.9	4240.7	1433.3	926.2	997.7	1028.9	882.7	756.1	684.6	726.5
6361.9	52.5°	5645.2	4349.2	1407.0	898.3	987.0	1019.9	856.4	739.7	641.9	644.3
6876.4	55°	5988.8	4419.9	1378.2	861.3	963.2	1000.2	853.9	721.6	609.8	598.3
7420.4	57.5°	6355.3	4460.1	1342.9	820.2	922.1	950.1	851.4	707.6	599.9	581.0
7976.8	60°	6728.4	4519.3	1296.9	770.1	867.0	890.1	845.7	702.7	594.2	562.1
8501.2	62.5°	7062.9	4539.9	1241.8	722.4	796.4	830.9	833.3	698.6	578.6	523.5
8936.7	65°	7282.4	4451.1	1145.7	668.2	719.9	770.1	809.5	684.6	550.6	495.6
9152.1	67.5°	7273.3	4198.0	995.3	598.3	646.0	702.7	775.0	660.8	516.9	461.1
8989.3	70°	6934.7	3698.3	804.6	516.9	564.6	630.4	730.6	625.4	476.7	423.2
7993.3	72.5°	5947.7	2894.5	584.3	421.6	470.1	555.6	673.1	582.7	435.6	389.6
5907.4	75°	4248.9	1831.9	396.1	323.8	365.7	470.9	601.6	532.6	397.8	391.2
2958.6	77.5°	2170.5	875.3	262.2	236.7	254.8	371.5	505.4	475.8	403.5	323.0
841.6	80°	706.0	323.0	165.2	161.1	169.3	247.4	391.2	390.4	305.7	219.4
203.8	82.5°	225.2	138.9	107.7	103.6	99.4	155.3	272.9	309.0	206.3	138.9
73.1	85°	89.6	83.0	63.3	58.4	41.9	73.1	143.0	205.5	153.7	100.3
18.9	87.5°	32.9	32.9	17.3	12.3	9.0	24.7	38.6	61.6	87.9	51.8
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

<u>180°</u>
2238.7
2412.1
2495.1
2478.7
2353.8
2150.8
1946.1
1793.3
1703.7
1668.3
1647.8
1627.3
1560.7
1408.6
1223.7
1052.0
915.5
822.7
820.2
812.8
757.7
661.6
606.5
583.5
564.6
523.5
495.6
463.5
428.2
387.1
369.0
287.6
194.0
138.1
102.7
51.0
0.0

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