

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: P948733

Luminaire Tested: **GALN-SB3C-940-U-T3R**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P948733  
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-940-U-T3R  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 90 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
ROADWAY OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

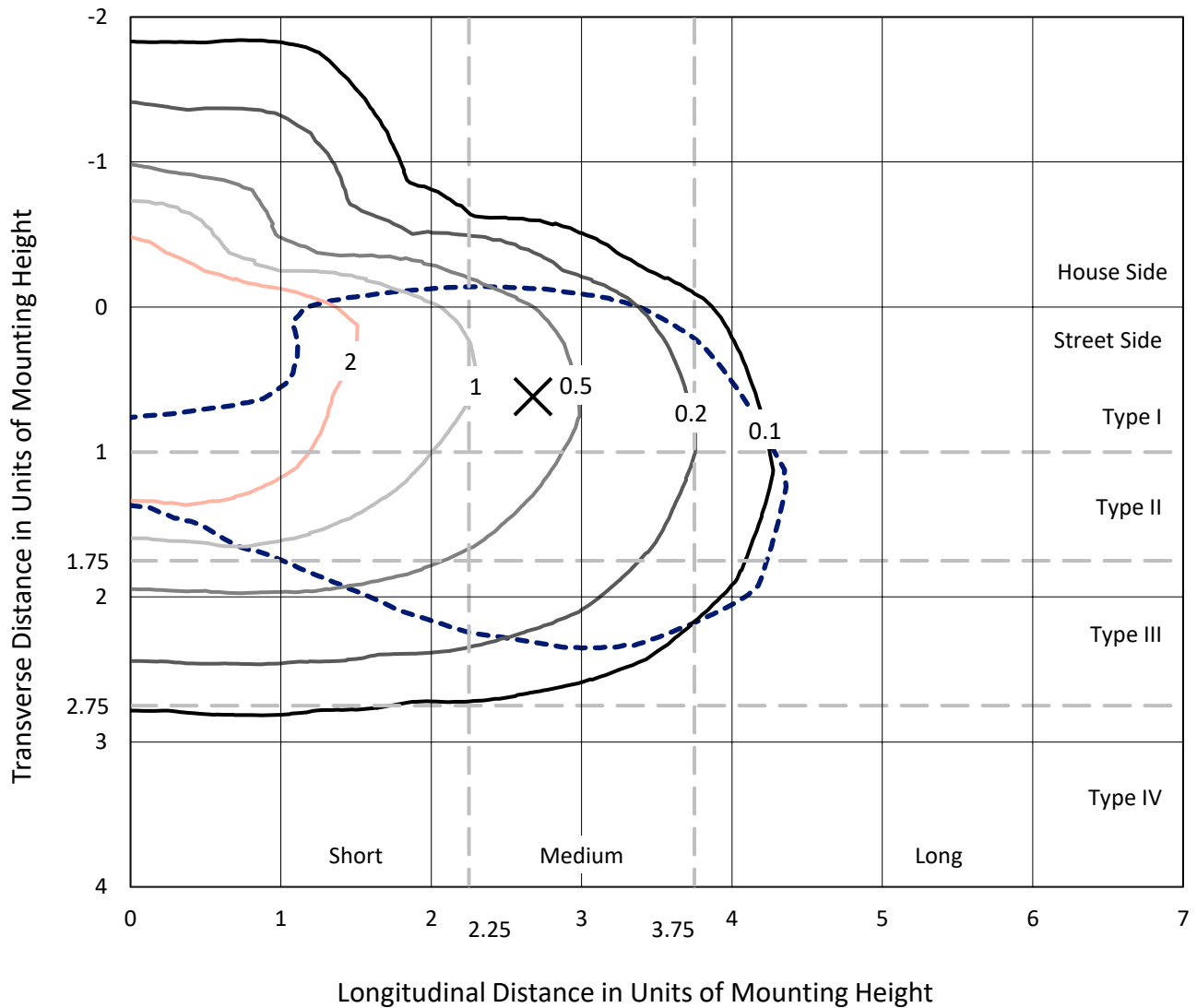
Lumens per Lamp: N/A  
Luminaire Lumens: 16716 lumens  
Efficiency: N/A  
Efficacy: 112.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B2 - U0 - G3  
  
Input Watts (W): 149.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

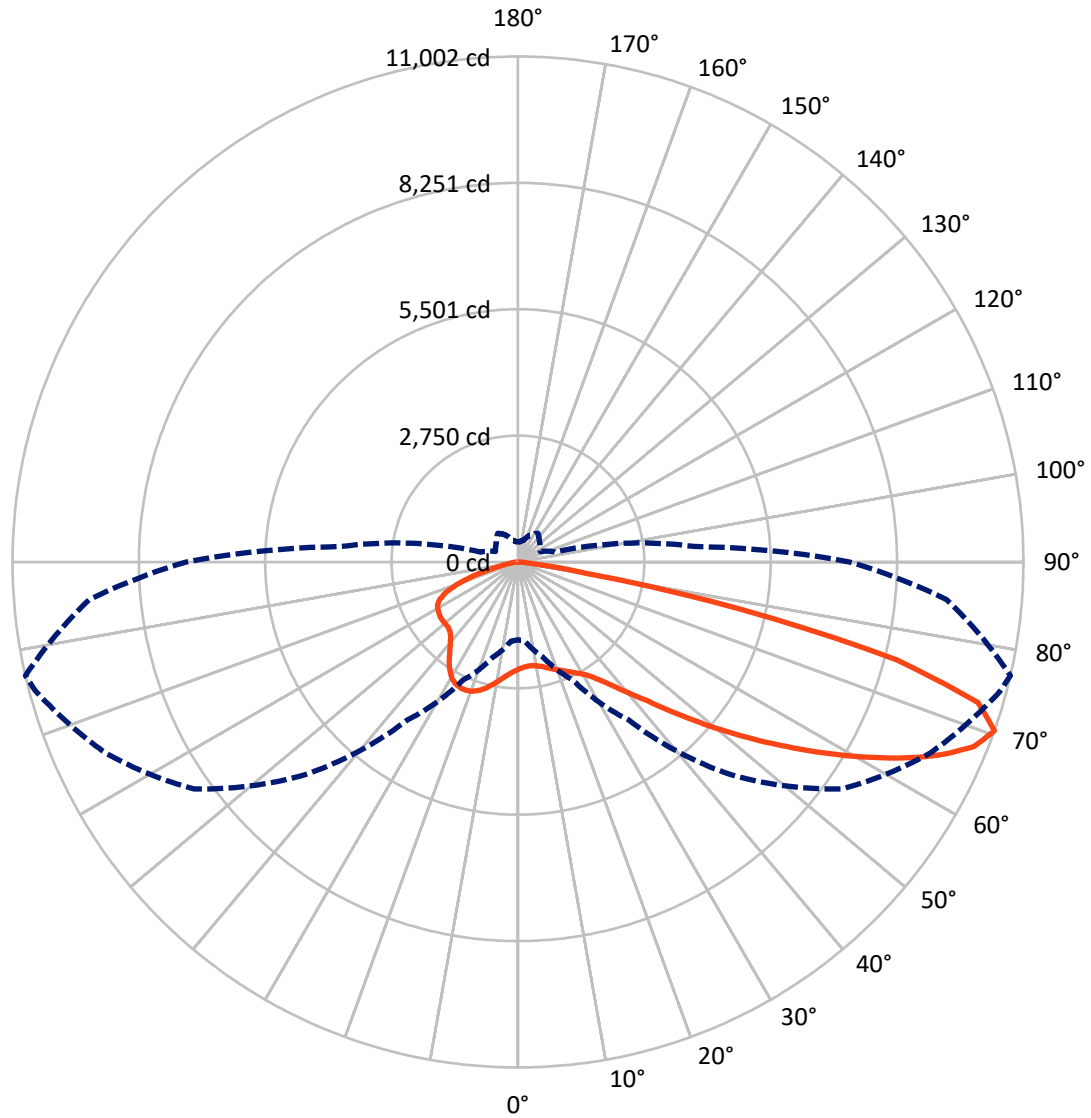
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.4 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
<b>House Side</b>	Lumens	3660.5	0.0	3660.5
	% Fixture	21.9	0.0	21.9
<b>Street Side</b>	Lumens	13055.5	0.0	13055.5
	% Fixture	78.1	0.0	78.1
<b>Total</b>	Lumens	16716.0	0.0	16716.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	222.4	1.3
10°-20°	641.9	3.8
20°-30°	1097.8	6.6
30°-40°	1765.3	10.6
40°-50°	2756.1	16.5
50°-60°	3681.5	22.0
60°-70°	3923.9	23.5
70°-80°	2415.5	14.5
80°-90°	211.7	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°	16716.0	100.0
0°-180°	16716.0	100.0

**Coefficient of Utilization**



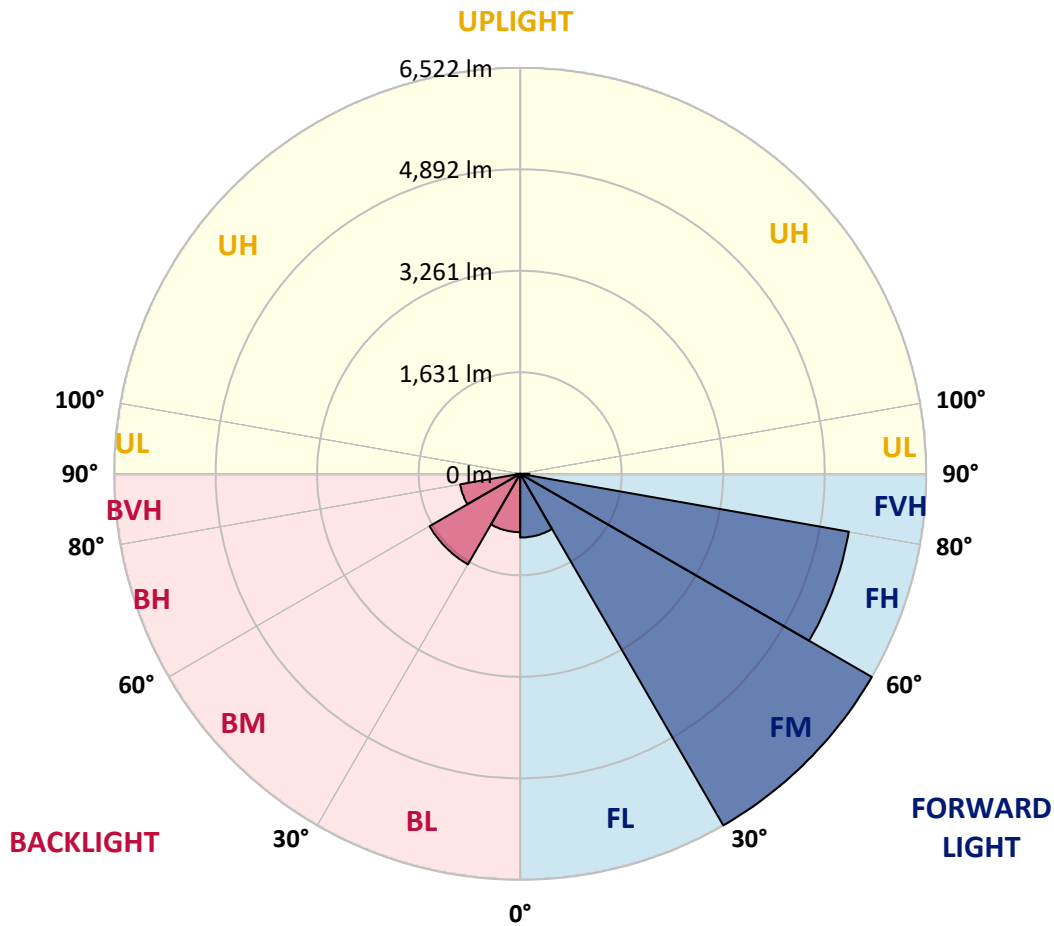
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1024.1	6.1			
FM (30°-60°)	6522.2	39.0			
FH (60°-80°)	5361.1	32.1			G3/7500
FVH (80°-90°)	148.0	0.9			G2/225
BL (0°-30°)	937.9	5.6	B2/1000		
BM (30°-60°)	1680.6	10.1	B2/2500		
BH (60°-80°)	978.3	5.9	B2/1000		G2/1000
BVH (80°-90°)	63.7	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°	2332.0	2332.0	2332.0	2332.0	2332.0	2332.0	2332.0	2332.0	2332.0	2332.0
2.5°	2149.7	2148.8	2160.0	2163.4	2183.9	2198.5	2225.9	2255.0	2292.7	2296.9
5°	2025.5	2025.5	2038.4	2052.1	2078.6	2107.7	2149.7	2200.2	2265.3	2275.5
7.5°	1920.2	1927.1	1938.2	1964.8	1995.6	2037.5	2101.7	2173.7	2259.3	2275.5
10°	1835.5	1843.2	1856.9	1878.3	1924.5	1982.7	2066.6	2159.1	2273.8	2299.5
12.5°	1809.0	1816.7	1824.4	1840.6	1883.4	1951.9	2052.1	2165.9	2308.9	2334.6
15°	1870.6	1880.0	1874.0	1869.7	1892.0	1954.5	2058.9	2190.8	2352.6	2389.4
17.5°	2012.7	2016.1	2002.4	1962.2	1958.8	1992.2	2091.5	2225.0	2407.4	2447.6
20°	2242.1	2236.2	2207.9	2128.3	2082.9	2076.1	2147.1	2276.4	2463.9	2506.7
22.5°	2553.8	2546.9	2490.4	2364.6	2263.5	2196.8	2227.6	2343.2	2527.2	2575.2
25°	2942.4	2933.0	2850.0	2678.8	2522.1	2356.9	2337.2	2431.3	2605.1	2649.7
27.5°	3396.2	3388.5	3298.6	3072.6	2846.6	2576.0	2473.3	2534.9	2686.5	2737.0
30°	3884.2	3906.4	3747.2	3504.0	3218.1	2862.0	2656.5	2662.5	2791.8	2837.1
32.5°	4457.7	4496.3	4304.5	3996.3	3605.9	3172.7	2887.6	2840.6	2945.0	2982.7
35°	5026.2	5069.9	4910.6	4569.9	4120.4	3539.1	3129.1	3045.2	3148.8	3189.9
37.5°	5517.6	5575.8	5493.6	5197.4	4670.9	3980.9	3444.1	3285.7	3399.6	3451.0
40°	5905.4	5994.5	5988.5	5803.5	5319.8	4516.8	3843.9	3582.8	3711.2	3766.9
42.5°	6220.5	6297.5	6364.3	6354.9	5997.0	5125.5	4313.9	3968.9	4066.5	4130.7
45°	6437.9	6520.1	6663.9	6818.9	6648.5	5777.0	4852.4	4426.9	4516.0	4612.7
47.5°	6632.3	6725.6	6912.2	7157.9	7201.6	6431.1	5442.3	4960.3	5041.6	5141.8
50°	6649.4	6729.9	7019.2	7367.7	7594.5	7059.5	6075.8	5558.7	5634.9	5741.9
52.5°	6235.9	6362.6	6867.7	7361.7	7775.2	7585.1	6705.0	6181.1	6266.7	6395.1
55°	4840.4	5026.2	6423.4	7132.2	7711.0	7925.0	7303.4	6842.9	6952.4	7086.9
57.5°	4169.2	4250.6	5099.0	6714.4	7418.2	8013.2	7808.5	7511.5	7687.8	7835.1
60°	3747.2	3814.8	4316.5	6064.7	7032.9	7873.6	8198.9	8134.7	8439.5	8615.0
62.5°	3295.2	3359.4	3815.7	5063.9	6539.8	7641.6	8445.5	8710.0	9210.0	9401.8
65°	2846.6	2901.3	3338.8	4254.9	5913.1	7409.6	8573.1	9207.4	9923.1	10121.7
67.5°	2346.6	2392.0	2805.5	3589.7	5151.2	7092.0	8636.4	9598.7	10543.8	10714.2
70°	1693.4	1728.5	2155.7	2838.8	4194.9	6545.8	8610.7	9876.0	10865.7	11001.8
72.5°	800.5	832.1	1333.8	1843.2	2963.0	5482.5	8091.1	9656.0	10538.7	10471.0
75°	427.2	454.6	766.2	1011.1	1565.0	3758.3	6621.1	8317.9	8849.6	8520.8
77.5°	289.4	310.8	474.3	607.0	714.8	1784.1	4255.7	5759.0	5540.7	4998.0
80°	229.4	251.7	388.7	410.9	345.9	644.6	1758.4	2665.9	1915.1	1531.6
82.5°	176.4	201.2	327.0	297.9	188.3	264.5	512.0	843.3	490.5	373.3
85°	107.9	134.4	256.8	190.1	106.2	120.7	173.8	234.6	149.8	125.0
87.5°	54.8	77.0	130.1	69.3	47.9	28.3	46.2	46.2	39.4	34.2
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°
2332.0	0°	2332.0	2332.0	2332.0	2332.0	2332.0	2332.0	2332.0	2332.0	2332.0	2332.0
2320.0	2.5°	2340.6	2357.7	2386.8	2414.2	2435.6	2456.2	2476.7	2487.8	2491.3	2505.0
2332.9	5°	2368.0	2399.7	2456.2	2509.2	2542.6	2563.2	2577.7	2586.3	2588.0	2592.3
2368.0	7.5°	2418.5	2469.0	2547.8	2600.9	2625.7	2624.0	2618.0	2596.6	2588.0	2580.3
2419.4	10°	2489.6	2556.3	2653.1	2689.9	2674.5	2633.4	2580.3	2517.8	2488.7	2460.5
2489.6	12.5°	2577.7	2662.5	2757.5	2755.8	2679.6	2574.3	2451.0	2355.1	2294.4	2250.7
2576.0	15°	2684.8	2782.3	2855.1	2796.9	2630.0	2440.8	2260.1	2135.1	2080.3	2032.4
2663.3	17.5°	2795.2	2899.6	2933.0	2784.1	2505.0	2243.0	2038.4	1939.9	1886.0	1860.3
2757.5	20°	2903.1	3006.6	2979.3	2710.4	2314.9	2018.7	1836.3	1782.4	1771.3	1777.3
2849.1	22.5°	3016.9	3109.4	2988.7	2568.3	2072.6	1789.3	1689.1	1690.8	1715.6	1733.6
2945.0	25°	3133.4	3195.8	2963.8	2362.9	1812.4	1620.6	1595.8	1623.2	1672.0	1707.1
3052.9	27.5°	3245.5	3272.9	2909.9	2108.6	1588.9	1499.9	1504.2	1560.7	1634.3	1683.1
3183.9	30°	3372.2	3341.4	2806.3	1822.7	1434.0	1396.3	1432.3	1498.2	1571.8	1615.5
3349.1	32.5°	3515.2	3400.5	2641.9	1558.1	1324.4	1313.3	1372.3	1415.1	1447.7	1460.5
3568.3	35°	3693.2	3483.5	2431.3	1372.3	1225.9	1252.5	1309.0	1287.6	1274.7	1267.9
3862.8	37.5°	3924.4	3595.6	2184.8	1251.6	1146.3	1208.8	1231.9	1165.2	1114.7	1089.8
4219.7	40°	4202.6	3760.0	1947.6	1158.3	1095.8	1171.2	1130.9	1050.4	986.2	951.1
4621.3	42.5°	4511.7	3932.1	1748.2	1088.1	1067.6	1140.3	1056.4	960.6	857.0	845.8
5099.8	45°	4836.1	4109.3	1612.0	1034.2	1053.9	1113.8	1013.6	858.7	785.0	830.4
5580.1	47.5°	5160.6	4272.0	1529.9	993.9	1047.0	1083.8	976.0	802.2	749.9	815.9
6094.6	50°	5521.9	4417.5	1493.0	964.8	1039.3	1071.8	919.5	787.6	713.1	756.8
6627.1	52.5°	5880.6	4530.5	1465.7	935.7	1028.2	1062.4	892.1	770.5	668.6	671.2
7163.0	55°	6238.4	4604.1	1435.7	897.2	1003.4	1041.9	889.5	751.7	635.2	623.2
7729.8	57.5°	6620.3	4646.1	1398.9	854.4	960.6	989.7	886.9	737.1	625.0	605.3
8309.4	60°	7008.9	4707.7	1350.9	802.2	903.2	927.2	880.9	732.0	619.0	585.6
8855.6	62.5°	7357.4	4729.1	1293.6	752.5	829.6	865.5	868.1	727.7	602.7	545.3
9309.3	65°	7586.0	4636.7	1193.4	696.0	749.9	802.2	843.3	713.1	573.6	516.2
9533.6	67.5°	7576.5	4373.0	1036.7	623.2	672.9	732.0	807.3	688.3	538.5	480.3
9364.1	70°	7223.8	3852.5	838.1	538.5	588.1	656.6	761.1	651.5	496.5	440.9
8326.5	72.5°	6195.6	3015.2	608.7	439.2	489.7	578.7	701.2	607.0	453.7	405.8
6153.7	75°	4426.1	1908.3	412.6	337.3	381.0	490.5	626.7	554.8	414.4	407.5
3082.0	77.5°	2261.0	911.8	273.1	246.6	265.4	387.0	526.5	495.7	420.3	336.4
876.7	80°	735.4	336.4	172.1	167.8	176.4	257.7	407.5	406.7	318.5	228.6
212.3	82.5°	234.6	144.7	112.1	107.9	103.6	161.8	284.2	321.9	214.9	144.7
76.2	85°	93.3	86.5	65.9	60.8	43.7	76.2	149.0	214.0	160.1	104.4
19.7	87.5°	34.2	34.2	18.0	12.8	9.4	25.7	40.2	64.2	91.6	53.9
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°
2332.0
2512.7
2599.1
2582.0
2451.9
2240.4
2027.3
1868.0
1774.7
1737.9
1716.5
1695.1
1625.7
1467.4
1274.7
1095.8
953.7
857.0
854.4
846.7
789.3
689.2
631.8
607.8
588.1
545.3
516.2
482.8
446.0
403.2
384.4
299.6
202.0
143.8
107.0
53.1
0.0

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