

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: P940325

Luminaire Tested: **GALN-SB3B-830-U-T2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940325
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB3B-830-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 80 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15042 lumens
Efficiency: N/A
Efficacy: 137.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

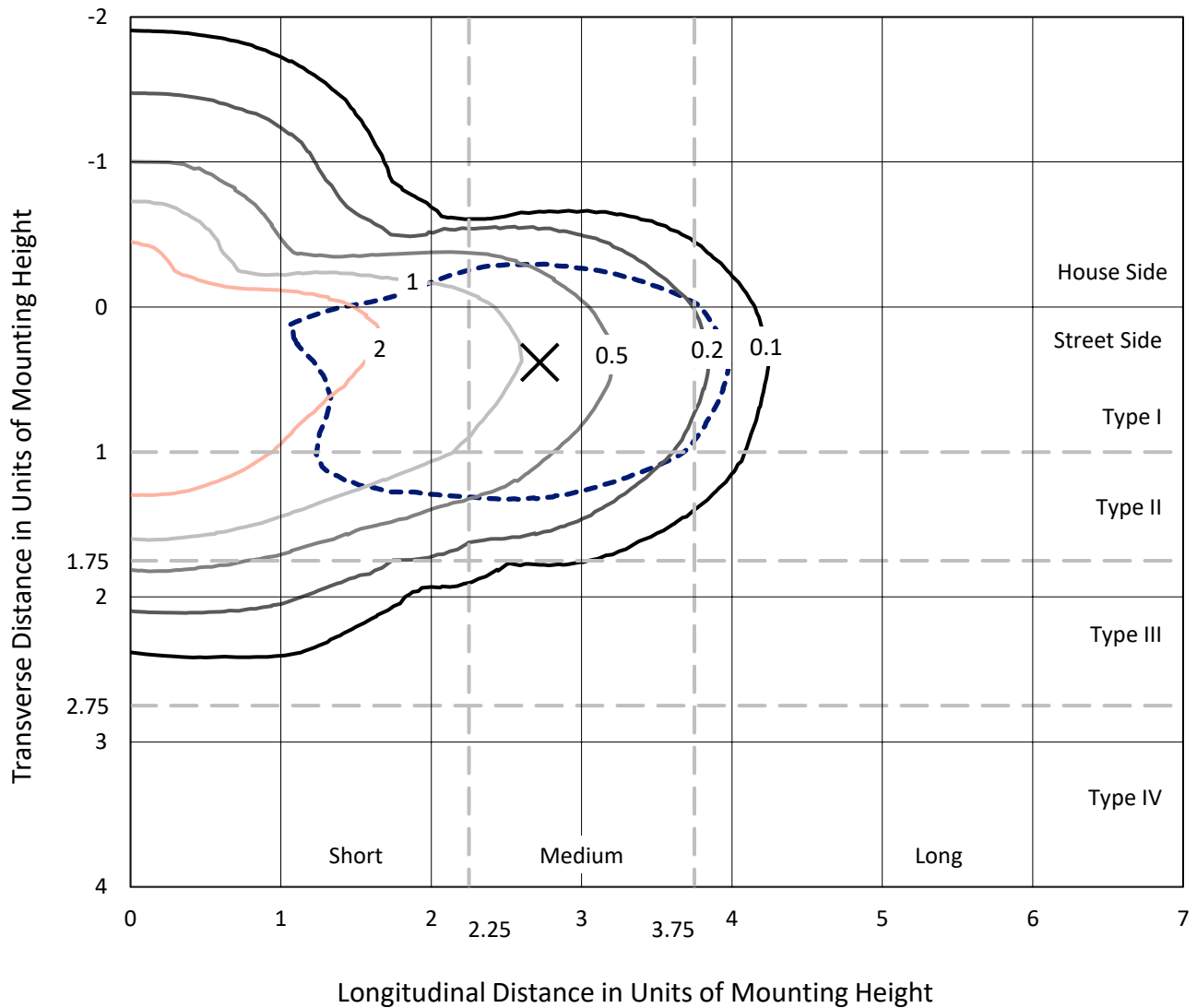
Input Watts (W): 109.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

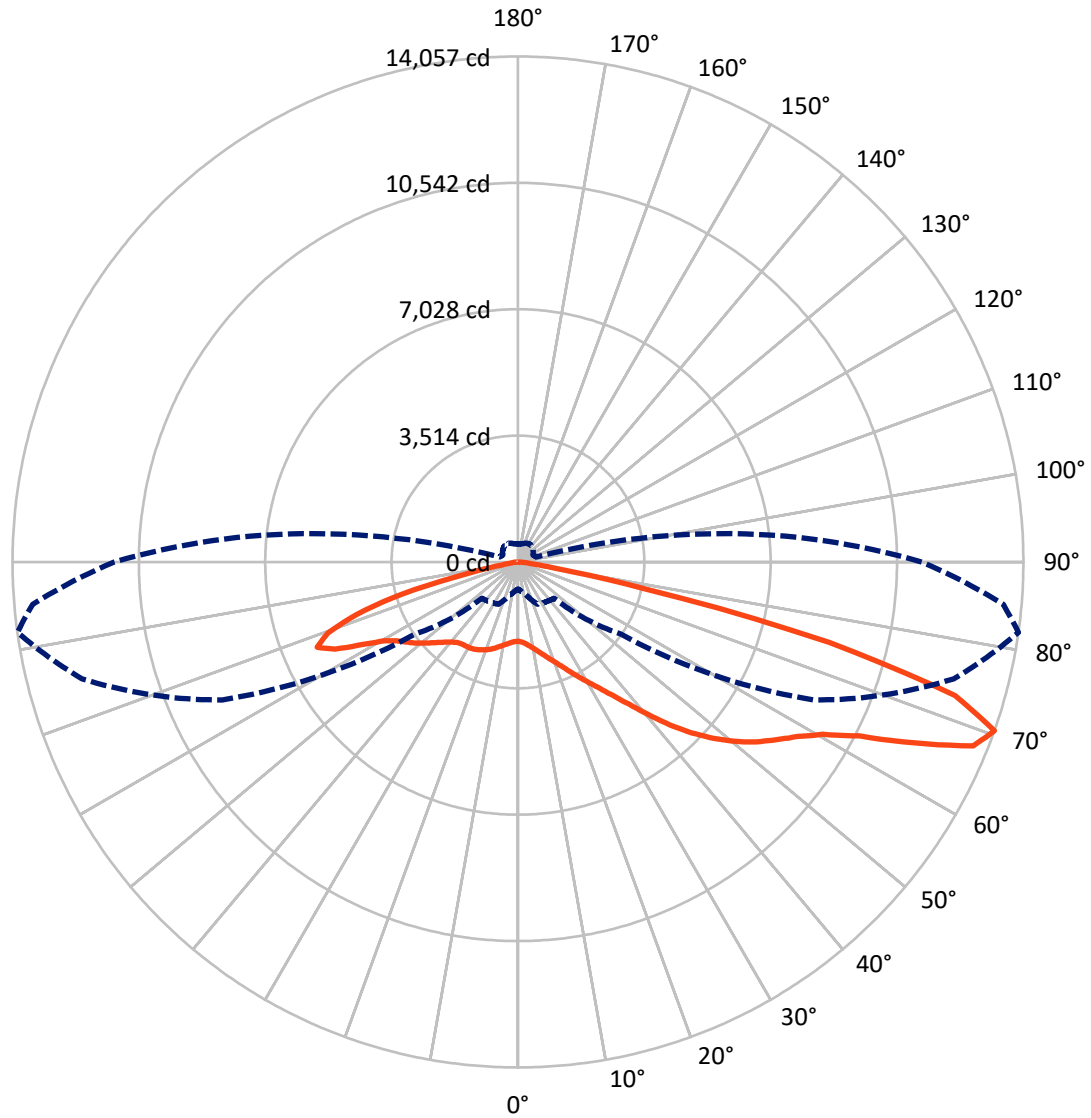
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3708.2	0.0	3708.2
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	11333.8	0.0	11333.8
	% Fixture	75.3	0.0	75.3
Total	Lumens	15042.0	0.0	15042.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	208.2	1.4
10°-20°	598.2	4.0
20°-30°	1000.8	6.7
30°-40°	1563.5	10.4
40°-50°	2490.1	16.6
50°-60°	3465.2	23.0
60°-70°	3624.8	24.1
70°-80°	1894.5	12.6
80°-90°	196.7	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°	15042.0	100.0
0°-180°	15042.0	100.0

Coefficient of Utilization



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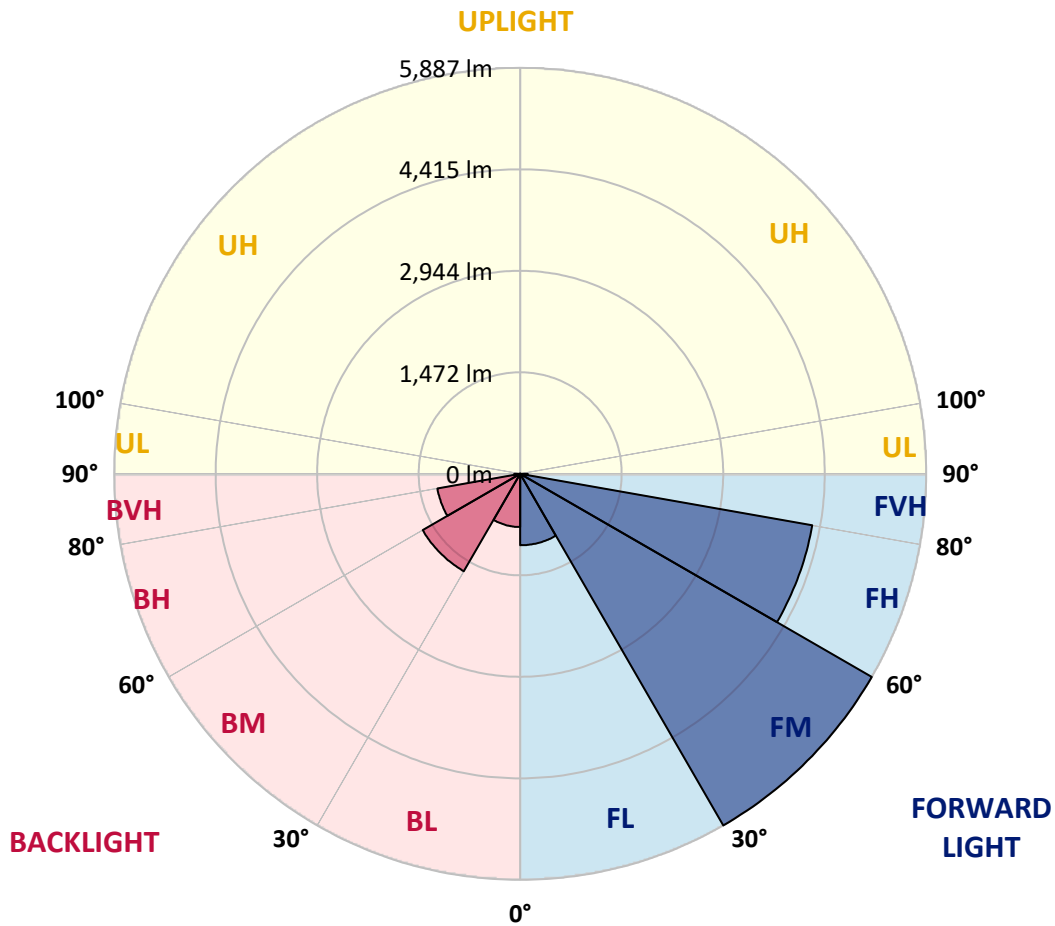
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1035.8	6.9			
FM (30°-60°)	5887.3	39.1			
FH (60°-80°)	4300.6	28.6			G2/5000
FVH (80°-90°)	110.1	0.7			G2/225
BL (0°-30°)	771.4	5.1	B2/1000		
BM (30°-60°)	1631.5	10.8	B2/2500		
BH (60°-80°)	1218.7	8.1	B3/2500		G3/2500
BVH (80°-90°)	86.6	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	2205.3	2205.3	2205.3	2205.3	2205.3	2205.3	2205.3	2205.3	2205.3	2205.3
2.5°	2258.0	2270.8	2266.8	2262.8	2262.8	2257.2	2256.4	2248.4	2242.1	2231.7
5°	2286.8	2300.3	2298.7	2301.9	2312.3	2314.7	2317.1	2312.3	2299.5	2286.8
7.5°	2261.2	2276.4	2281.2	2300.3	2332.3	2361.0	2382.5	2391.3	2379.3	2361.0
10°	2175.0	2191.8	2208.5	2254.0	2310.7	2378.5	2436.0	2470.3	2467.9	2450.4
12.5°	2000.2	2017.8	2053.7	2142.3	2246.1	2365.8	2472.7	2544.6	2569.3	2556.5
15°	1860.5	1875.7	1902.8	1993.8	2128.7	2310.7	2486.3	2626.0	2689.0	2681.9
17.5°	1856.5	1862.9	1879.7	1922.8	2026.6	2224.5	2471.9	2705.8	2826.3	2825.5
20°	1926.8	1929.2	1938.8	1947.5	2006.6	2159.1	2435.2	2772.0	2980.4	2980.4
22.5°	2024.2	2022.6	2032.1	2024.2	2052.9	2153.5	2412.1	2830.3	3152.0	3164.7
25°	2170.2	2162.2	2159.8	2141.5	2147.1	2205.3	2437.6	2896.6	3355.5	3381.8
27.5°	2365.0	2352.2	2343.4	2301.1	2286.8	2312.3	2515.8	2976.4	3582.2	3627.7
30°	2618.8	2595.7	2582.9	2509.4	2457.6	2461.6	2634.0	3082.5	3819.2	3892.7
32.5°	2965.2	2929.3	2895.0	2774.4	2679.5	2648.3	2786.4	3229.4	4076.3	4193.6
35°	3353.1	3324.4	3287.7	3101.7	2955.6	2883.8	2992.3	3434.5	4377.2	4563.1
37.5°	3726.7	3701.9	3719.5	3468.8	3280.5	3175.9	3262.1	3709.9	4748.3	5022.9
40°	4113.0	4093.8	4096.2	3856.8	3637.3	3519.9	3589.4	4055.5	5173.7	5569.6
42.5°	4532.8	4518.4	4470.6	4258.2	4011.6	3902.3	3966.1	4454.6	5630.3	6192.2
45°	5002.9	4994.2	4949.5	4706.0	4423.5	4300.5	4386.7	4895.2	6089.2	6778.1
47.5°	5409.2	5416.4	5410.8	5205.7	4912.7	4732.4	4835.3	5354.9	6516.3	7328.8
50°	5604.8	5642.3	5697.3	5633.5	5451.5	5267.9	5287.9	5798.7	6923.3	7845.2
52.5°	5502.6	5573.6	5723.7	5825.8	5896.1	5857.8	5804.3	6239.3	7306.5	8311.4
55°	5121.9	5221.6	5470.7	5717.3	6075.7	6354.2	6424.5	6727.8	7680.0	8721.6
57.5°	4428.3	4590.3	4813.8	5312.6	5916.0	6594.5	7147.6	7405.4	8075.9	9159.8
60°	3239.0	3456.1	3733.8	4476.1	5357.3	6466.0	7763.0	8446.2	8638.6	9727.3
62.5°	2072.8	2206.9	2462.4	3161.6	4174.4	5807.5	7951.4	9747.3	9592.4	10658.0
65°	1419.1	1505.3	1739.2	2131.9	2698.6	4322.9	7446.9	10722.6	11107.3	12133.0
67.5°	1031.2	1096.7	1296.2	1640.2	1758.4	2558.1	5778.8	10677.9	12580.0	13652.7
70°	751.9	798.2	965.8	1296.2	1352.9	1423.1	3500.8	9076.8	12548.0	14056.6
72.5°	557.1	589.0	701.6	1005.7	1095.1	961.0	1732.8	6596.9	10782.5	12714.1
75°	403.1	427.0	510.0	769.4	876.4	731.9	864.4	3855.2	7521.2	8943.5
77.5°	308.1	326.5	380.7	563.5	701.6	549.1	536.4	1773.5	3566.2	3583.8
80°	247.4	259.4	288.9	396.7	538.0	411.1	349.6	716.0	1127.0	953.8
82.5°	182.0	201.9	244.2	278.6	384.7	283.4	213.1	361.6	428.6	368.8
85°	103.8	117.3	147.7	199.5	245.8	173.2	122.1	160.4	199.5	163.6
87.5°	36.7	47.9	51.9	78.2	107.0	71.8	47.1	46.3	65.4	48.7
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°
2205.3	0°	2205.3	2205.3	2205.3	2205.3	2205.3	2205.3	2205.3	2205.3	2205.3	2205.3
2229.3	2.5°	2221.3	2217.3	2201.4	2179.8	2157.5	2135.9	2128.7	2113.6	2103.2	2097.6
2281.2	5°	2266.0	2253.2	2215.7	2167.8	2117.5	2063.3	2025.0	1989.8	1964.3	1940.4
2352.2	7.5°	2329.9	2307.5	2242.9	2159.1	2069.7	1979.5	1912.4	1861.3	1827.0	1804.7
2435.2	10°	2404.1	2369.8	2270.8	2145.5	2007.4	1878.1	1799.1	1755.2	1733.6	1721.7
2530.2	12.5°	2489.5	2440.8	2299.5	2114.4	1912.4	1764.8	1710.5	1697.7	1698.5	1699.3
2649.9	15°	2594.9	2527.0	2322.7	2046.5	1788.7	1677.8	1668.2	1688.9	1710.5	1720.9
2785.6	17.5°	2713.8	2618.0	2326.7	1934.8	1667.4	1621.9	1652.2	1696.9	1729.6	1744.0
2937.3	20°	2841.5	2710.6	2297.9	1776.7	1567.6	1576.4	1630.7	1688.1	1724.0	1742.4
3110.5	22.5°	2987.6	2809.6	2229.3	1610.7	1486.2	1526.9	1590.8	1646.6	1684.1	1702.5
3314.0	25°	3154.4	2920.5	2121.5	1471.0	1416.0	1471.0	1534.9	1581.2	1611.5	1628.3
3541.5	27.5°	3339.5	3036.2	1977.9	1360.1	1354.5	1413.6	1466.2	1502.2	1518.1	1530.9
3783.3	30°	3525.5	3141.6	1803.9	1276.3	1301.0	1356.9	1394.4	1410.4	1415.2	1417.6
4053.1	32.5°	3726.7	3232.6	1621.1	1206.8	1249.9	1301.8	1324.2	1331.3	1309.0	1293.8
4380.4	35°	3970.1	3330.0	1442.3	1151.8	1199.7	1244.3	1251.5	1245.1	1218.8	1187.7
4790.6	37.5°	4271.0	3451.3	1299.4	1112.6	1152.6	1182.1	1173.3	1171.7	1174.1	1137.4
5283.9	40°	4639.8	3609.3	1194.9	1082.3	1114.2	1120.6	1095.9	1109.5	1121.4	1065.6
5825.0	42.5°	5049.2	3800.1	1128.6	1061.6	1082.3	1067.2	1028.8	1044.0	1042.4	969.0
6368.6	45°	5466.7	4007.6	1105.5	1046.4	1052.8	1022.5	980.2	984.1	950.6	884.4
6889.8	47.5°	5881.7	4230.3	1119.8	1033.6	1016.1	981.7	949.0	931.5	882.0	832.5
7389.5	50°	6288.8	4464.2	1172.5	1008.1	965.8	945.8	921.9	890.8	838.1	795.8
7862.0	52.5°	6666.3	4699.6	1231.6	965.8	902.7	914.7	899.5	863.6	811.7	768.6
8309.0	55°	7023.9	4935.1	1254.7	907.5	843.7	887.6	878.8	812.5	750.3	715.2
8776.7	57.5°	7413.4	5218.4	1229.2	833.3	795.8	856.4	822.9	749.5	713.6	687.2
9385.7	60°	7953.0	5663.0	1174.1	741.5	750.3	810.1	752.7	722.3	683.2	653.7
10298.8	62.5°	8849.3	6492.3	1085.5	650.5	696.8	741.5	719.2	688.8	648.9	620.2
11860.0	65°	10174.3	7644.9	918.7	579.5	636.9	674.5	683.2	652.9	611.4	581.1
13228.1	67.5°	11291.7	8368.0	695.2	520.4	575.5	620.2	644.9	615.4	571.5	542.0
13548.1	70°	11230.3	7842.8	530.8	462.1	521.2	566.7	598.6	575.5	528.4	500.5
12306.2	72.5°	9974.7	6561.0	429.4	403.1	466.1	510.8	549.1	531.6	483.7	456.6
9015.3	75°	7328.0	4657.3	343.2	343.2	397.5	452.6	494.9	483.7	439.8	420.6
3784.9	77.5°	3088.9	1953.9	269.0	284.9	330.4	388.7	441.4	445.4	407.1	431.0
1000.9	80°	821.3	538.8	205.1	224.3	259.4	320.9	383.9	382.3	340.8	318.5
371.9	82.5°	312.9	212.3	146.1	158.0	187.6	245.8	304.1	313.7	272.2	235.5
146.1	85°	120.5	91.0	90.2	95.0	109.3	162.8	229.9	237.9	205.1	174.0
40.7	87.5°	31.1	27.1	33.5	31.9	50.3	87.0	131.7	136.5	125.3	72.6
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>
2205.3
2104.0
1949.9
1809.5
1724.8
1700.9
1720.1
1747.2
1747.2
1707.3
1633.1
1535.7
1423.1
1298.6
1189.3
1139.8
1067.2
968.2
886.8
832.5
792.6
769.4
712.0
684.8
652.1
620.2
582.7
542.8
502.8
456.6
415.0
391.1
296.1
235.5
179.6
103.8
0.0

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