

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: P940285

Luminaire Tested: **GALN-SB3B-740-U-T2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940285
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-740-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17711 lumens
Efficiency: N/A
Efficacy: 162.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

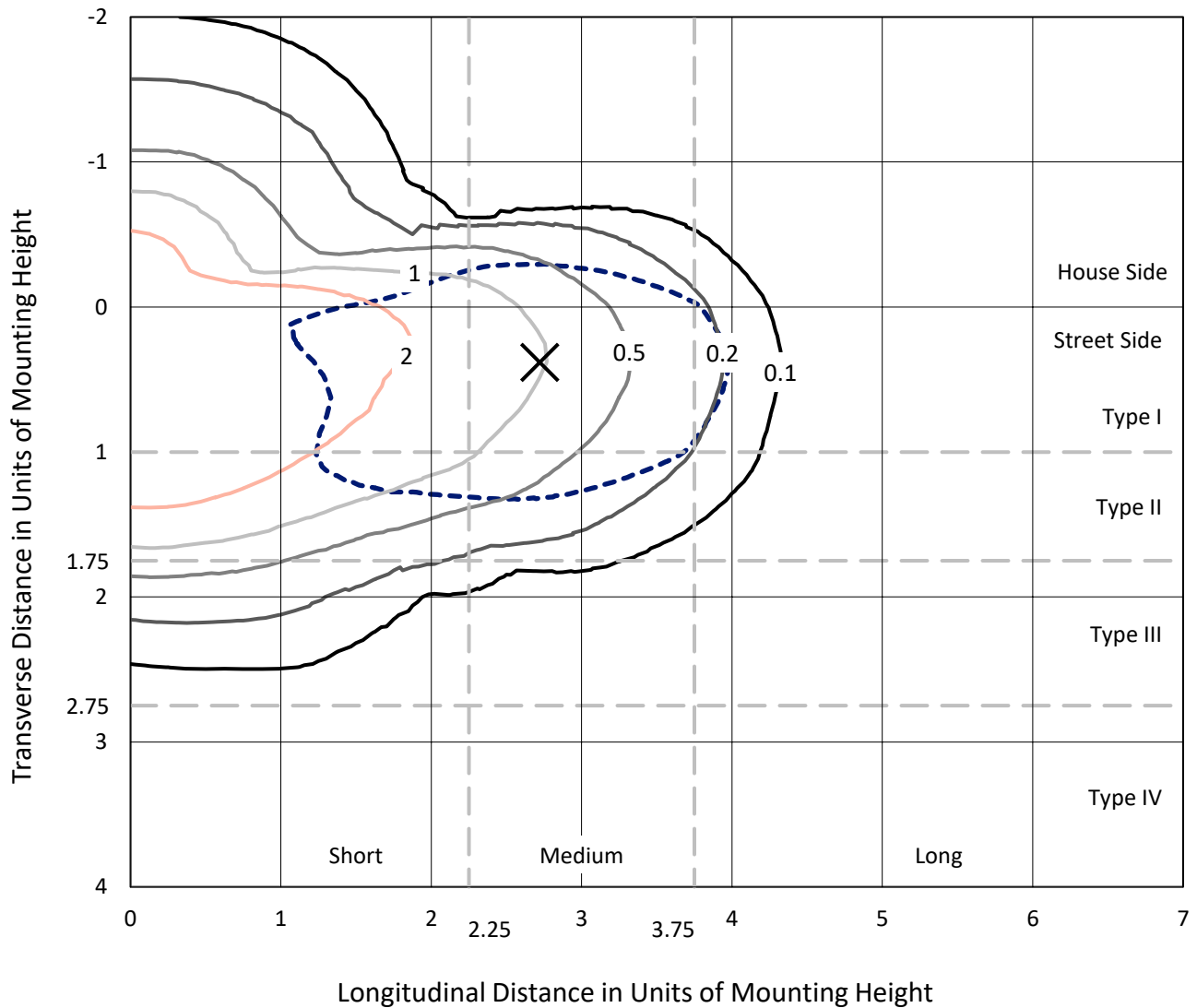
Input Watts (W): 109.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

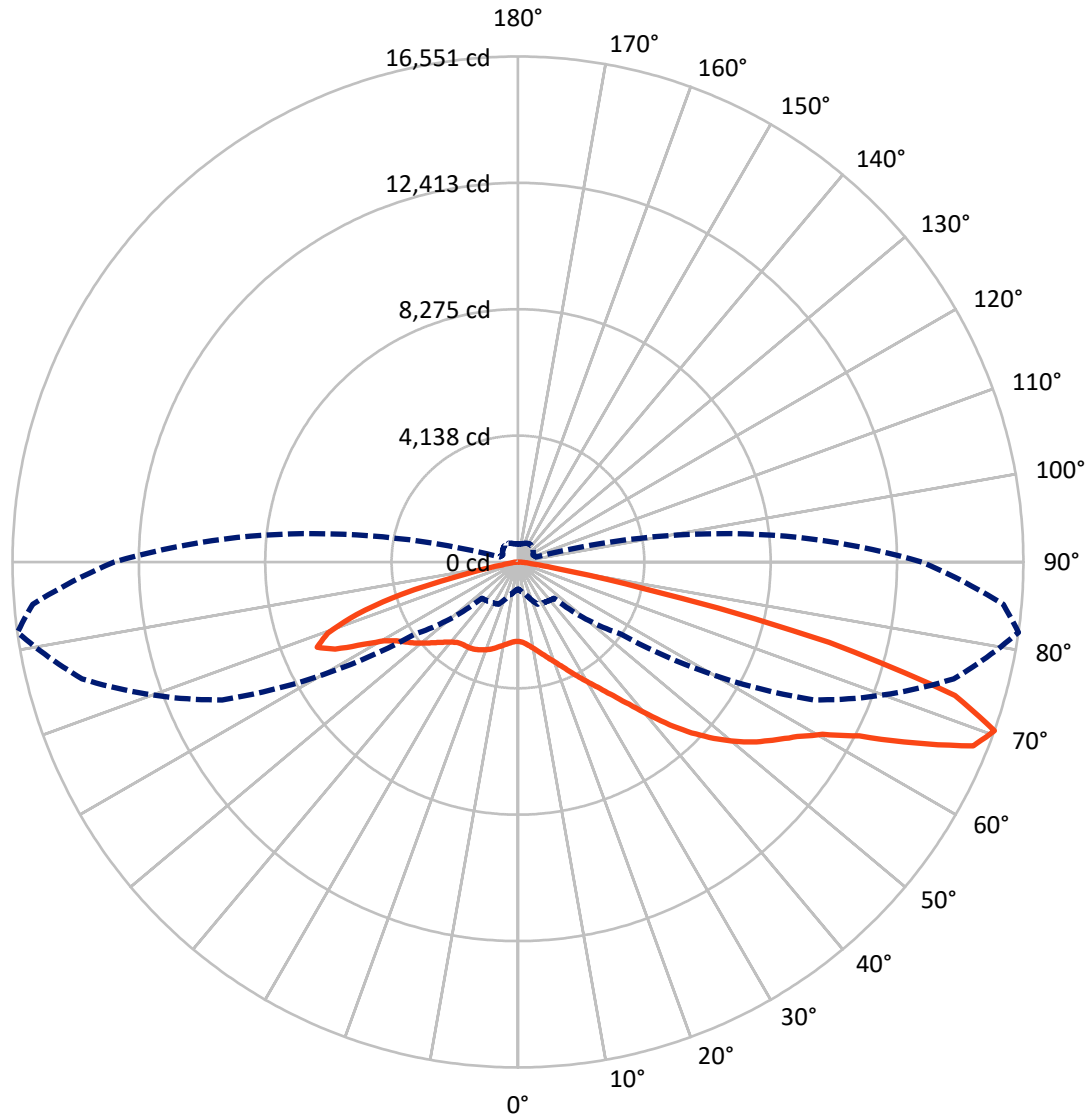
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.7 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	4366.2	0.0	4366.2
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	13344.8	0.0	13344.8
	% Fixture	75.3	0.0	75.3
Total	Lumens	17711.0	0.0	17711.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	245.2	1.4
10°-20°	704.4	4.0
20°-30°	1178.4	6.7
30°-40°	1840.9	10.4
40°-50°	2931.9	16.6
50°-60°	4080.1	23.0
60°-70°	4267.9	24.1
70°-80°	2230.7	12.6
80°-90°	231.6	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°	17711.0	100.0
0°-180°	17711.0	100.0

Coefficient of Utilization



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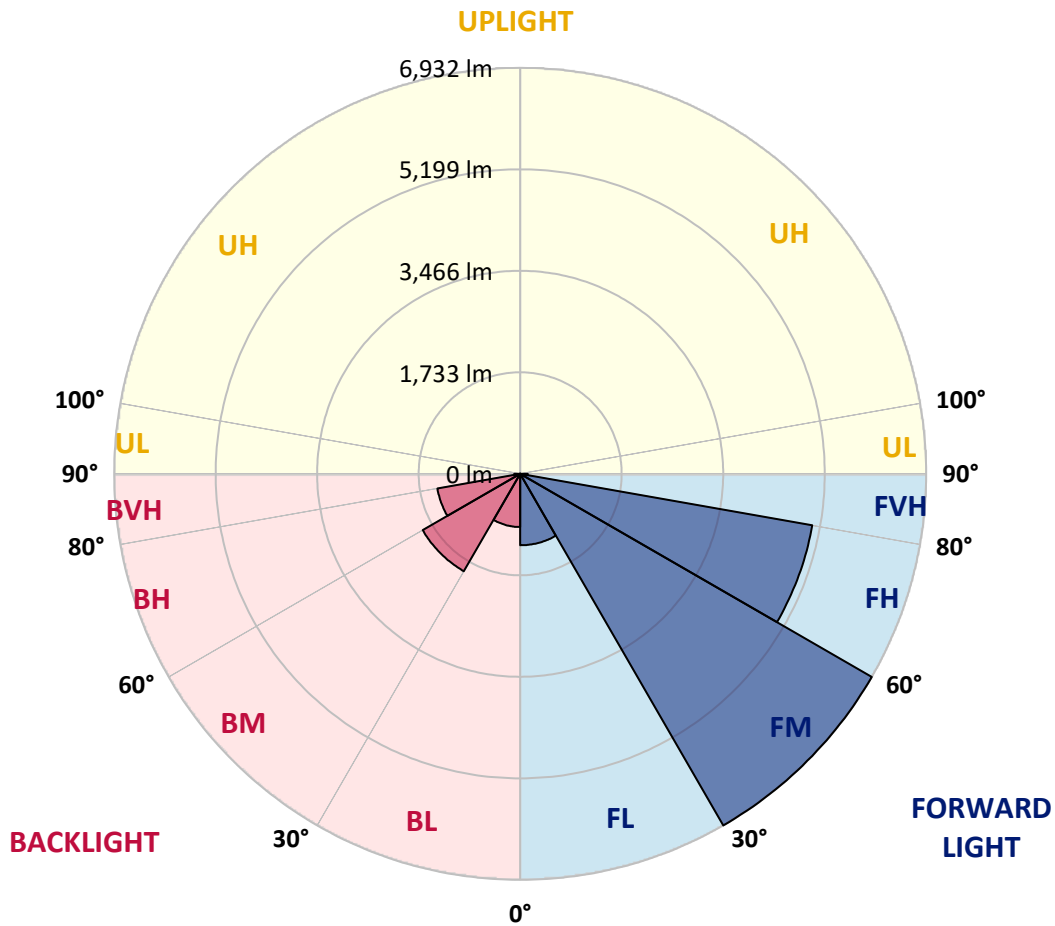
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1219.6	6.9			
FM (30°-60°)	6931.9	39.1			
FH (60°-80°)	5063.6	28.6			G3/7500
FVH (80°-90°)	129.7	0.7			G2/225
BL (0°-30°)	908.3	5.1	B2/1000		
BM (30°-60°)	1921.0	10.8	B2/2500		
BH (60°-80°)	1435.0	8.1	B3/2500		G3/2500
BVH (80°-90°)	102.0	0.6			G2/225
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°	2596.7	2596.7	2596.7	2596.7	2596.7	2596.7	2596.7	2596.7	2596.7	2596.7
2.5°	2658.7	2673.7	2669.0	2664.3	2664.3	2657.7	2656.8	2647.4	2639.9	2627.7
5°	2692.5	2708.5	2706.6	2710.4	2722.6	2725.4	2728.2	2722.6	2707.5	2692.5
7.5°	2662.4	2680.3	2685.9	2708.5	2746.1	2779.9	2805.3	2815.6	2801.5	2779.9
10°	2560.9	2580.7	2600.4	2654.0	2720.7	2800.6	2868.3	2908.7	2905.8	2885.2
12.5°	2355.1	2375.8	2418.1	2522.4	2644.6	2785.6	2911.5	2996.1	3025.2	3010.2
15°	2190.7	2208.5	2240.5	2347.6	2506.4	2720.7	2927.5	3091.9	3166.2	3157.7
17.5°	2186.0	2193.5	2213.2	2264.0	2386.1	2619.2	2910.5	3185.9	3327.8	3326.9
20°	2268.7	2271.5	2282.8	2293.1	2362.6	2542.1	2867.3	3263.9	3509.2	3509.2
22.5°	2383.3	2381.4	2392.7	2383.3	2417.2	2535.6	2840.1	3332.5	3711.3	3726.3
25°	2555.3	2545.9	2543.1	2521.5	2528.0	2596.7	2870.1	3410.5	3950.9	3981.9
27.5°	2784.6	2769.6	2759.2	2709.4	2692.5	2722.6	2962.2	3504.5	4217.8	4271.4
30°	3083.5	3056.2	3041.2	2954.7	2893.6	2898.3	3101.3	3629.5	4496.9	4583.4
32.5°	3491.3	3449.0	3408.6	3266.7	3154.9	3118.2	3280.8	3802.4	4799.5	4937.7
35°	3948.1	3914.2	3871.0	3652.0	3480.1	3395.5	3523.3	4043.9	5153.8	5372.8
37.5°	4387.9	4358.8	4379.4	4084.3	3862.6	3739.4	3840.9	4368.2	5590.8	5914.1
40°	4842.8	4820.2	4823.0	4541.1	4282.6	4144.5	4226.3	4775.1	6091.8	6557.9
42.5°	5337.1	5320.2	5263.8	5013.8	4723.4	4594.7	4669.8	5245.0	6629.3	7290.9
45°	5890.6	5880.3	5827.7	5541.0	5208.3	5063.6	5165.1	5763.8	7169.7	7980.7
47.5°	6369.0	6377.5	6370.9	6129.3	5784.4	5572.0	5693.3	6305.1	7672.5	8629.2
50°	6599.2	6643.4	6708.3	6633.1	6418.8	6202.6	6226.1	6827.6	8151.8	9237.2
52.5°	6478.9	6562.6	6739.3	6859.6	6942.3	6897.2	6834.2	7346.4	8602.9	9786.1
55°	6030.7	6148.1	6441.4	6731.8	7153.7	7481.7	7564.4	7921.5	9042.7	10269.1
57.5°	5214.0	5404.8	5667.9	6255.3	6965.8	7764.6	8415.9	8719.4	9508.8	10785.1
60°	3813.7	4069.3	4396.4	5270.4	6307.9	7613.3	9140.4	9944.9	10171.4	11453.3
62.5°	2440.6	2598.5	2899.3	3722.5	4915.1	6837.9	9362.2	11476.8	11294.5	12549.1
65°	1671.0	1772.5	2047.8	2510.2	3177.4	5089.9	8768.3	12625.2	13078.2	14285.8
67.5°	1214.2	1291.3	1526.2	1931.3	2070.4	3012.0	6804.1	12572.6	14812.1	16075.2
70°	885.3	939.8	1137.2	1526.2	1593.0	1675.7	4121.9	10687.4	14774.5	16550.7
72.5°	656.0	693.6	826.1	1184.1	1289.4	1131.5	2040.3	7767.4	12695.7	14970.0
75°	474.6	502.8	600.5	906.0	1031.9	861.8	1017.8	4539.2	8855.7	10530.4
77.5°	362.8	384.4	448.3	663.5	826.1	646.6	631.5	2088.2	4199.0	4219.7
80°	291.3	305.4	340.2	467.1	633.4	484.0	411.6	843.0	1327.0	1123.1
82.5°	214.3	237.8	287.6	328.0	453.0	333.6	250.9	425.7	504.7	434.2
85°	122.2	138.1	173.9	234.9	289.5	203.9	143.8	188.9	234.9	192.7
87.5°	43.2	56.4	61.1	92.1	125.9	84.6	55.4	54.5	77.1	57.3
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°
2596.7	0°	2596.7	2596.7	2596.7	2596.7	2596.7	2596.7	2596.7	2596.7	2596.7	2596.7
2624.8	2.5°	2615.4	2610.8	2592.0	2566.6	2540.3	2514.9	2506.4	2488.6	2476.4	2469.8
2685.9	5°	2668.1	2653.0	2608.9	2552.5	2493.3	2429.4	2384.3	2342.9	2312.8	2284.6
2769.6	7.5°	2743.3	2716.9	2640.8	2542.1	2436.9	2330.7	2251.7	2191.6	2151.2	2124.9
2867.3	10°	2830.7	2790.3	2673.7	2526.2	2363.6	2211.3	2118.3	2066.6	2041.2	2027.1
2979.2	12.5°	2931.2	2873.9	2707.5	2489.5	2251.7	2077.9	2014.0	1998.9	1999.9	2000.8
3120.1	15°	3055.3	2975.4	2734.8	2409.6	2106.1	1975.4	1964.2	1988.6	2014.0	2026.2
3279.9	17.5°	3195.3	3082.5	2739.5	2278.1	1963.2	1909.7	1945.4	1998.0	2036.5	2053.5
3458.4	20°	3345.7	3191.5	2705.7	2092.0	1845.8	1856.1	1920.0	1987.7	2030.0	2051.6
3662.4	22.5°	3517.7	3308.1	2624.8	1896.5	1749.9	1797.8	1873.0	1938.8	1983.0	2004.6
3902.0	25°	3714.1	3438.7	2498.0	1732.0	1667.2	1732.0	1807.2	1861.7	1897.4	1917.2
4169.9	27.5°	3932.1	3575.0	2328.8	1601.4	1594.8	1664.4	1726.4	1768.7	1787.5	1802.5
4454.6	30°	4151.1	3699.0	2123.9	1502.7	1531.9	1597.7	1641.8	1660.6	1666.3	1669.1
4772.3	32.5°	4387.9	3806.2	1908.7	1421.0	1471.7	1532.8	1559.1	1567.6	1541.3	1523.4
5157.6	35°	4674.5	3920.8	1698.2	1356.1	1412.5	1465.1	1473.6	1466.1	1435.1	1398.4
5640.7	37.5°	5028.8	4063.7	1530.0	1310.1	1357.1	1391.8	1381.5	1379.6	1382.4	1339.2
6221.4	40°	5463.0	4249.8	1406.9	1274.4	1312.0	1319.5	1290.3	1306.3	1320.4	1254.6
6858.6	42.5°	5945.1	4474.4	1328.9	1249.9	1274.4	1256.5	1211.4	1229.3	1227.4	1140.9
7498.6	45°	6436.7	4718.7	1301.6	1232.1	1239.6	1203.9	1154.1	1158.8	1119.3	1041.3
8112.3	47.5°	6925.4	4980.9	1318.5	1217.0	1196.4	1155.9	1117.4	1096.7	1038.5	980.2
8700.6	50°	7404.6	5256.3	1380.6	1187.0	1137.2	1113.7	1085.5	1048.8	986.8	937.0
9257.0	52.5°	7849.2	5533.5	1450.1	1137.2	1062.9	1077.0	1059.1	1016.9	955.8	905.0
9783.3	55°	8270.2	5810.8	1477.4	1068.5	993.4	1045.1	1034.7	956.7	883.4	842.1
10334.0	57.5°	8728.8	6144.4	1447.3	981.1	937.0	1008.4	968.9	882.5	840.2	809.2
11051.1	60°	9364.1	6667.8	1382.4	873.1	883.4	953.9	886.2	850.5	804.5	769.7
12126.2	62.5°	10419.5	7644.3	1278.1	765.9	820.4	873.1	846.8	811.0	764.1	730.2
13964.4	65°	11979.6	9001.4	1081.7	682.3	750.0	794.1	804.5	768.8	719.9	684.2
15575.2	67.5°	13295.3	9852.8	818.6	612.7	677.6	730.2	759.4	724.6	672.9	638.1
15952.1	70°	13222.9	9234.4	625.0	544.1	613.7	667.3	704.8	677.6	622.1	589.3
14489.8	72.5°	11744.6	7725.1	505.6	474.6	548.8	601.5	646.6	625.9	569.5	537.6
10615.0	75°	8628.3	5483.7	404.1	404.1	468.0	532.9	582.7	569.5	517.8	495.3
4456.5	77.5°	3637.0	2300.6	316.7	335.5	389.1	457.7	519.7	524.4	479.3	507.5
1178.5	80°	967.0	634.4	241.5	264.1	305.4	377.8	452.0	450.2	401.3	375.0
437.9	82.5°	368.4	250.0	172.0	186.1	220.9	289.5	358.1	369.3	320.5	277.2
172.0	85°	141.9	107.1	106.2	111.8	128.8	191.7	270.7	280.1	241.5	204.9
47.9	87.5°	36.7	32.0	39.5	37.6	59.2	102.4	155.1	160.7	147.5	85.5
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>
2596.7
2477.3
2295.9
2130.5
2030.9
2002.7
2025.3
2057.2
2057.2
2010.2
1922.8
1808.2
1675.7
1529.0
1400.3
1342.0
1256.5
1140.0
1044.1
980.2
933.2
906.0
838.3
806.3
767.8
730.2
686.1
639.1
592.1
537.6
488.7
460.5
348.7
277.2
211.5
122.2
0.0

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