

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: P940714

Luminaire Tested: **GALN-SB3D-930-U-T2-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P940714  
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-SB3D-930-U-T2-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 90 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

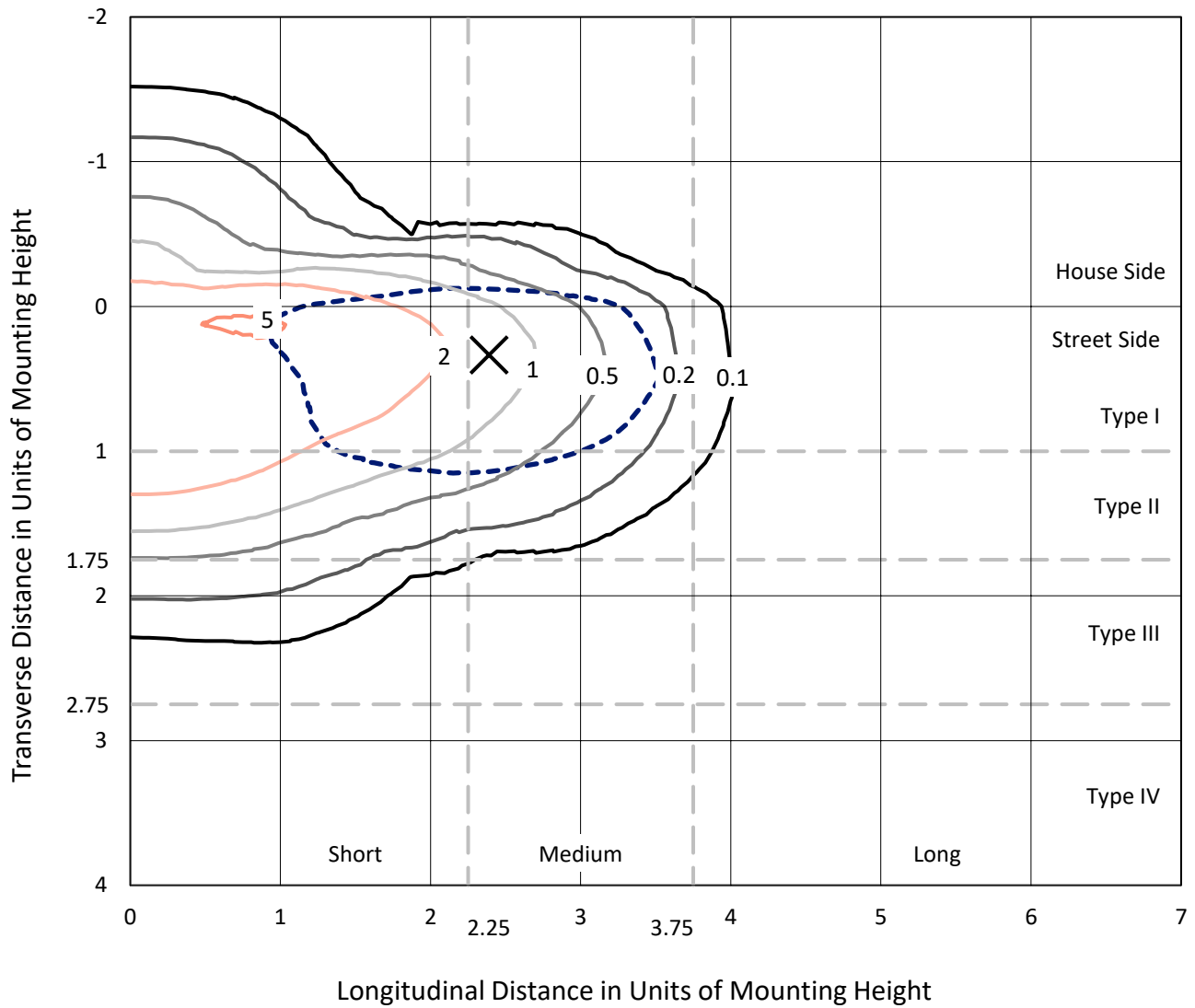
Lumens per Lamp: N/A  
Luminaire Lumens: 15510 lumens  
Efficiency: N/A  
Efficacy: 71.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B2 - U0 - G2  
  
Input Watts (W): 218.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

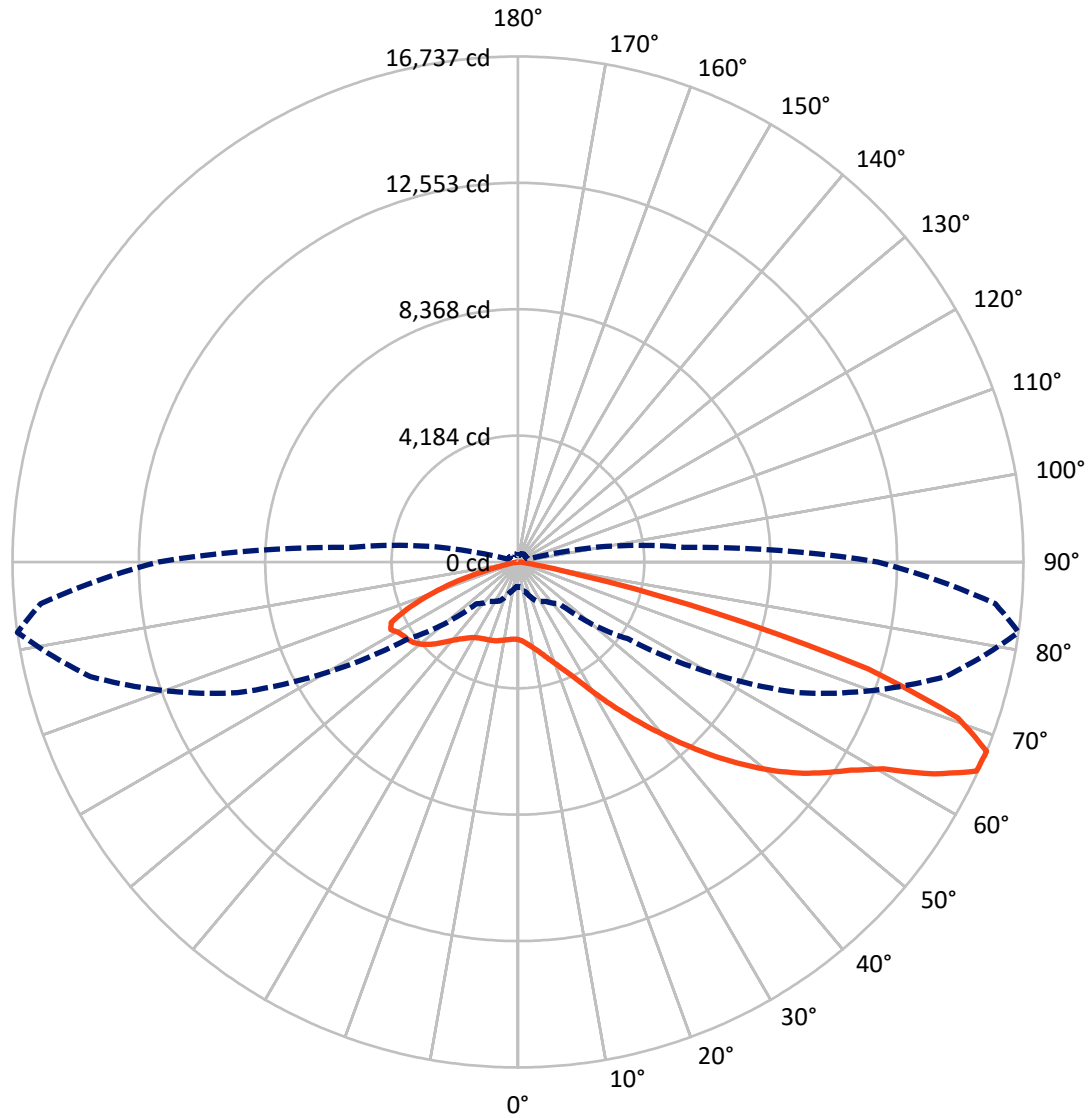
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.4 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
<b>House Side</b>	Lumens	2809.5	0.0	2809.5
	% Fixture	18.1	0.0	18.1
<b>Street Side</b>	Lumens	12700.5	0.0	12700.5
	% Fixture	81.9	0.0	81.9
<b>Total</b>	Lumens	15510.0	0.0	15510.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	228.9	1.5
10°-20°	594.9	3.8
20°-30°	952.8	6.1
30°-40°	1684.8	10.9
40°-50°	2952.0	19.0
50°-60°	3937.2	25.4
60°-70°	3665.3	23.6
70°-80°	1406.7	9.1
80°-90°	87.4	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°	15510.0	100.0
0°-180°	15510.0	100.0

**Coefficient of Utilization**



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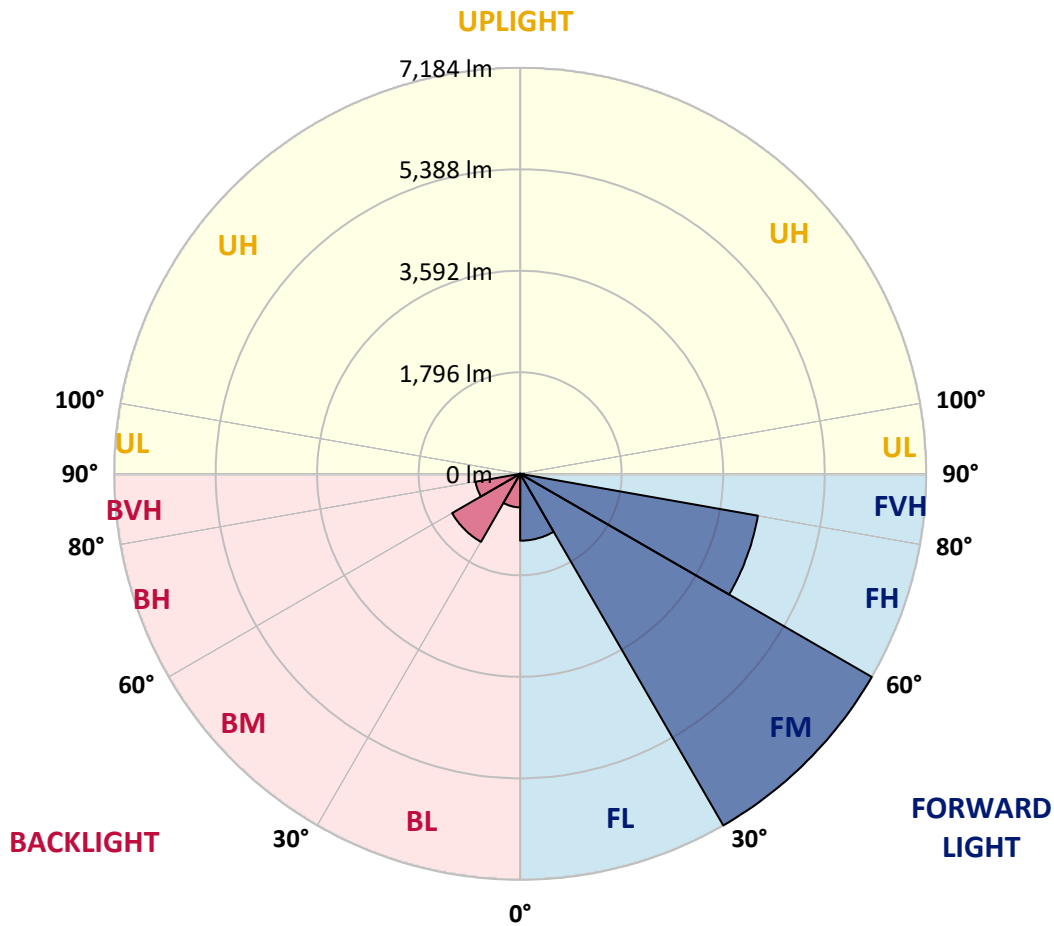
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1183.2	7.6			
FM (30°-60°)	7183.6	46.3			
FH (60°-80°)	4270.1	27.5			G2/5000
FVH (80°-90°)	63.5	0.4			G1/100
BL (0°-30°)	593.4	3.8	B2/1000		
BM (30°-60°)	1390.4	9.0	B2/2500		
BH (60°-80°)	801.9	5.2	B2/1000		G2/1000
BVH (80°-90°)	23.9	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°	2569.5	2569.5	2569.5	2569.5	2569.5	2569.5	2569.5	2569.5	2569.5	2569.5
2.5°	2715.8	2731.4	2722.5	2718.0	2710.2	2699.0	2690.1	2662.2	2633.1	2614.1
5°	2770.5	2786.1	2785.0	2789.5	2795.1	2798.4	2796.2	2764.9	2723.6	2691.2
7.5°	2723.6	2741.5	2756.0	2778.3	2817.4	2858.7	2878.8	2872.1	2829.7	2785.0
10°	2590.7	2609.7	2644.3	2696.8	2779.4	2868.8	2943.6	2978.2	2951.4	2902.3
12.5°	2347.3	2366.2	2434.4	2548.3	2686.7	2842.0	2984.9	3077.6	3084.3	3035.1
15°	2073.7	2092.7	2165.2	2308.2	2519.2	2768.3	3007.2	3182.5	3241.7	3199.3
17.5°	1903.9	1920.7	1975.4	2090.4	2310.4	2620.8	2999.4	3294.2	3429.3	3395.8
20°	1852.6	1867.1	1892.8	1973.2	2156.3	2467.9	2948.0	3399.2	3631.4	3612.5
22.5°	1907.3	1920.7	1928.5	1964.2	2079.3	2367.4	2883.3	3506.4	3865.9	3868.2
25°	2033.5	2046.9	2037.9	2060.3	2110.5	2336.1	2858.7	3632.6	4160.8	4185.3
27.5°	2241.2	2242.3	2221.1	2220.0	2227.8	2383.0	2884.4	3767.7	4532.6	4578.4
30°	2657.7	2640.9	2559.4	2471.2	2431.0	2523.7	2955.9	3927.4	4971.5	5053.0
32.5°	3299.8	3275.2	3125.6	2914.5	2702.4	2750.4	3084.3	4109.4	5449.4	5596.8
35°	3996.6	3989.9	3833.6	3519.8	3149.0	3073.1	3293.1	4348.4	5970.9	6205.4
37.5°	4644.3	4640.9	4551.6	4182.0	3730.8	3523.1	3628.1	4661.0	6529.2	6868.7
40°	5236.1	5246.2	5156.8	4826.3	4371.8	4100.5	4083.7	5047.4	7150.1	7591.2
42.5°	5747.6	5758.7	5668.3	5423.7	5005.0	4739.2	4643.2	5520.9	7756.5	8367.3
45°	6094.8	6164.1	6150.7	5955.3	5654.9	5379.1	5315.4	6114.9	8447.7	9190.3
47.5°	6193.1	6256.8	6357.3	6384.1	6200.9	5929.6	6005.5	6830.7	9146.7	10014.4
50°	5950.8	6010.0	6218.8	6496.8	6624.1	6540.4	6676.6	7597.9	9862.5	10836.3
52.5°	5472.9	5533.2	5796.7	6236.7	6755.9	7019.5	7350.0	8353.9	10556.0	11614.6
55°	4781.6	4845.3	5183.6	5681.7	6504.7	7217.1	7911.7	9108.8	11191.4	12314.8
57.5°	3841.4	3888.3	4240.0	4936.8	5872.6	7020.6	8326.0	9932.9	11789.9	13002.6
60°	2503.6	2544.9	2953.6	3730.8	4825.2	6364.0	8408.6	10851.9	12585.0	13897.1
62.5°	1665.0	1692.9	1935.2	2505.8	3398.1	5103.2	7925.1	11585.6	13750.8	15453.7
65°	1142.4	1170.3	1412.6	1810.1	2195.4	3375.7	6534.8	11488.4	14807.2	16689.9
67.5°	815.2	838.6	1044.1	1419.3	1589.0	1960.9	4429.9	10246.7	14655.3	16736.8
70°	584.0	597.4	767.2	1105.5	1263.0	1178.1	2463.4	7836.9	12831.8	15454.9
72.5°	408.7	413.2	532.7	842.0	1017.3	859.8	1172.5	5224.9	9705.1	12130.5
75°	276.9	282.5	358.5	617.5	816.3	656.6	620.9	2801.8	5697.3	6714.6
77.5°	169.7	172.0	231.2	422.1	610.8	500.3	399.8	1187.0	2204.3	2164.1
80°	96.0	96.0	147.4	262.4	416.5	322.7	280.3	504.7	697.9	613.1
82.5°	53.6	54.7	107.2	163.0	275.8	191.0	154.1	233.4	301.5	266.9
85°	22.3	24.6	65.9	77.1	131.8	94.9	62.5	98.3	111.7	99.4
87.5°	2.2	3.4	20.1	14.5	15.6	19.0	8.9	19.0	15.6	15.6
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°
2569.5	0°	2569.5	2569.5	2569.5	2569.5	2569.5	2569.5	2569.5	2569.5	2569.5	2569.5
2607.4	2.5°	2586.2	2569.5	2527.0	2477.9	2413.1	2381.9	2339.4	2310.4	2285.8	2288.1
2672.2	5°	2636.5	2594.0	2499.1	2380.8	2233.4	2128.4	2016.7	1939.7	1877.1	1863.7
2761.6	7.5°	2705.7	2638.7	2472.3	2259.0	2010.0	1821.3	1652.7	1544.4	1467.3	1442.8
2869.9	10°	2795.1	2697.9	2437.7	2106.1	1747.6	1507.5	1326.6	1241.7	1189.3	1171.4
2997.2	12.5°	2898.9	2766.0	2391.9	1919.6	1477.4	1246.2	1131.2	1088.8	1072.0	1066.4
3153.5	15°	3029.6	2850.9	2322.7	1698.5	1248.4	1086.5	1037.4	1031.8	1034.0	1031.8
3341.1	17.5°	3184.8	2943.6	2209.9	1470.7	1094.3	1005.0	987.1	991.6	997.2	996.1
3551.0	20°	3354.5	3035.1	2065.9	1268.5	989.4	946.9	936.9	941.4	945.8	943.6
3793.4	22.5°	3547.7	3133.4	1906.2	1111.1	919.0	893.3	882.2	883.3	883.3	878.8
4100.5	25°	3778.8	3241.7	1738.7	999.4	865.4	845.3	831.9	827.5	820.8	807.4
4473.4	27.5°	4054.7	3356.7	1577.9	921.3	823.0	804.0	788.4	777.2	760.5	738.1
4921.2	30°	4365.1	3496.3	1441.6	872.1	789.5	770.5	752.6	735.9	711.3	683.4
5436.0	32.5°	4730.3	3646.0	1342.3	839.7	759.3	739.2	718.0	697.9	671.1	643.2
6014.4	35°	5165.8	3826.9	1284.2	817.4	735.9	709.1	685.6	663.3	643.2	618.6
6643.1	37.5°	5638.1	4018.9	1266.3	806.2	720.3	678.9	652.1	636.5	634.3	619.8
7323.2	40°	6155.1	4246.7	1279.7	799.5	703.5	649.9	620.9	617.5	623.1	597.4
8050.2	42.5°	6702.3	4517.0	1302.0	791.7	680.1	620.9	593.0	593.0	588.5	552.8
8818.4	45°	7294.2	4828.5	1324.4	772.7	652.1	591.8	570.6	562.8	543.8	509.2
9591.2	47.5°	7890.5	5145.7	1341.1	738.1	618.6	567.3	548.3	530.4	502.5	471.2
10349.4	50°	8456.6	5430.4	1323.3	686.8	580.7	543.8	523.7	499.2	469.0	447.8
11067.4	52.5°	8962.5	5677.2	1247.3	626.5	540.5	519.3	501.4	475.7	451.1	428.8
11715.1	55°	9402.5	5877.1	1113.3	569.5	504.7	498.0	480.2	447.8	414.3	395.3
12357.2	57.5°	9824.6	6029.0	945.8	522.6	472.4	474.6	447.8	418.8	387.5	367.4
13222.6	60°	10386.2	6232.2	776.1	479.1	437.7	444.4	415.4	394.2	355.1	329.4
14706.7	62.5°	11284.1	6548.2	616.4	425.5	397.5	399.8	387.5	361.8	314.9	284.8
15806.6	65°	11996.5	6432.1	485.8	367.4	351.8	355.1	355.1	327.2	276.9	242.3
15865.8	67.5°	11916.1	5507.5	387.5	310.4	308.2	310.4	318.3	294.8	245.7	217.8
14657.5	70°	10977.0	4380.7	310.4	258.0	268.0	262.4	284.8	269.1	221.1	193.2
11363.3	72.5°	8956.9	3155.7	236.7	213.3	205.5	214.4	256.8	242.3	184.3	153.0
6018.9	75°	5233.9	1684.0	176.4	168.6	148.5	178.7	227.8	206.6	140.7	112.8
1844.8	77.5°	1704.1	587.4	129.5	124.0	110.6	144.1	194.3	174.2	115.0	89.3
540.5	80°	456.7	177.6	88.2	81.5	71.5	107.2	154.1	138.5	82.6	58.1
232.3	82.5°	183.1	74.8	51.4	45.8	39.1	73.7	121.7	111.7	61.4	36.9
72.6	85°	59.2	24.6	19.0	14.5	17.9	45.8	72.6	75.9	43.6	19.0
11.2	87.5°	7.8	3.4	3.4	4.5	3.4	7.8	22.3	21.2	12.3	2.2
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°
2569.5
2265.7
1833.6
1418.2
1158.0
1063.1
1030.7
993.8
942.5
876.6
805.1
735.9
681.2
644.3
616.4
618.6
598.5
552.8
508.1
470.1
444.4
426.6
393.1
365.2
326.1
282.5
239.0
213.3
189.8
149.6
109.4
86.0
57.0
36.9
14.5
0.0
0.0

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