

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: P952155

Luminaire Tested: **GALN-SB6A-830-U-T3R-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952155
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB6A-830-U-T3R-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20349 lumens
Efficiency: N/A
Efficacy: 119.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G4

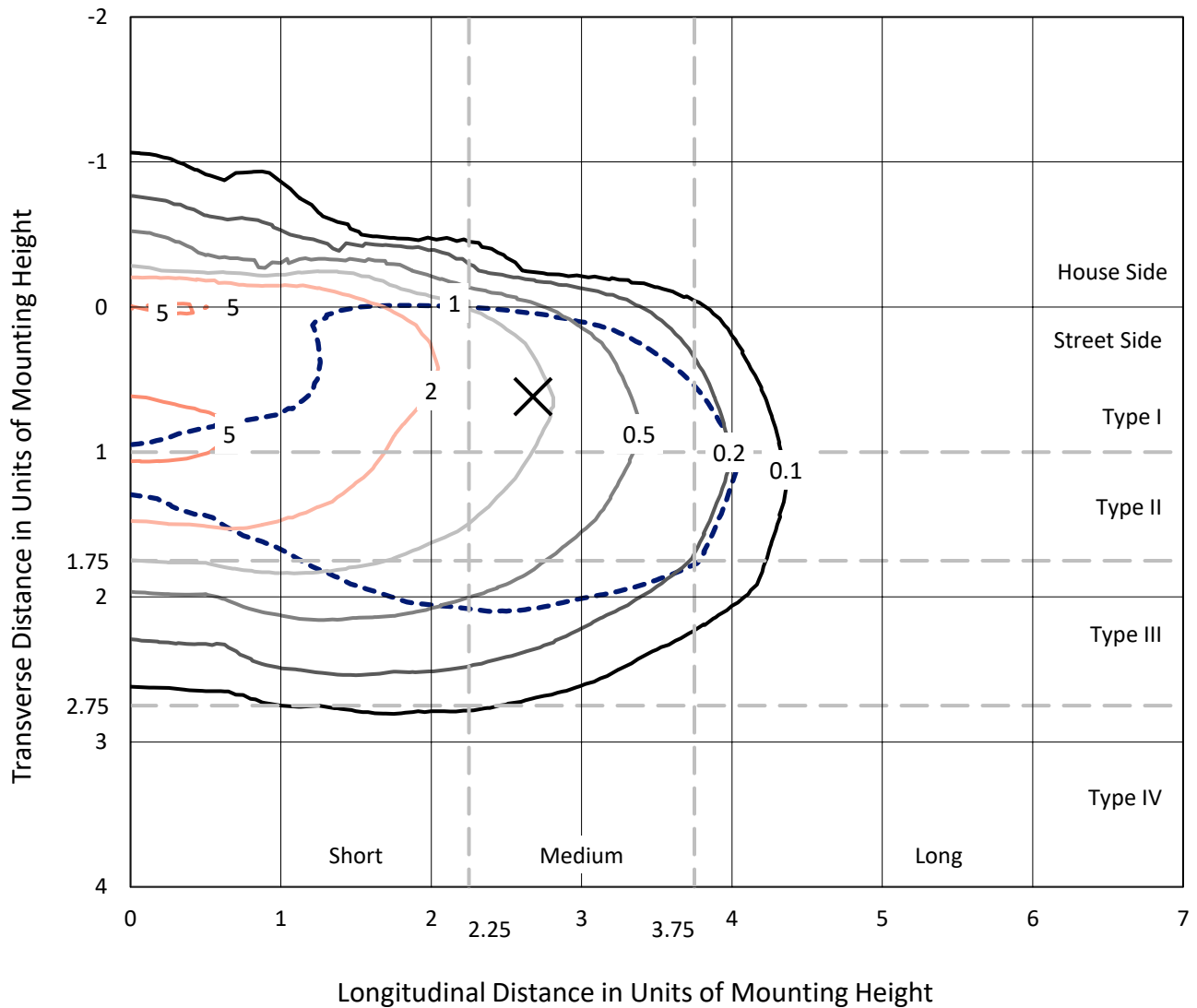
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

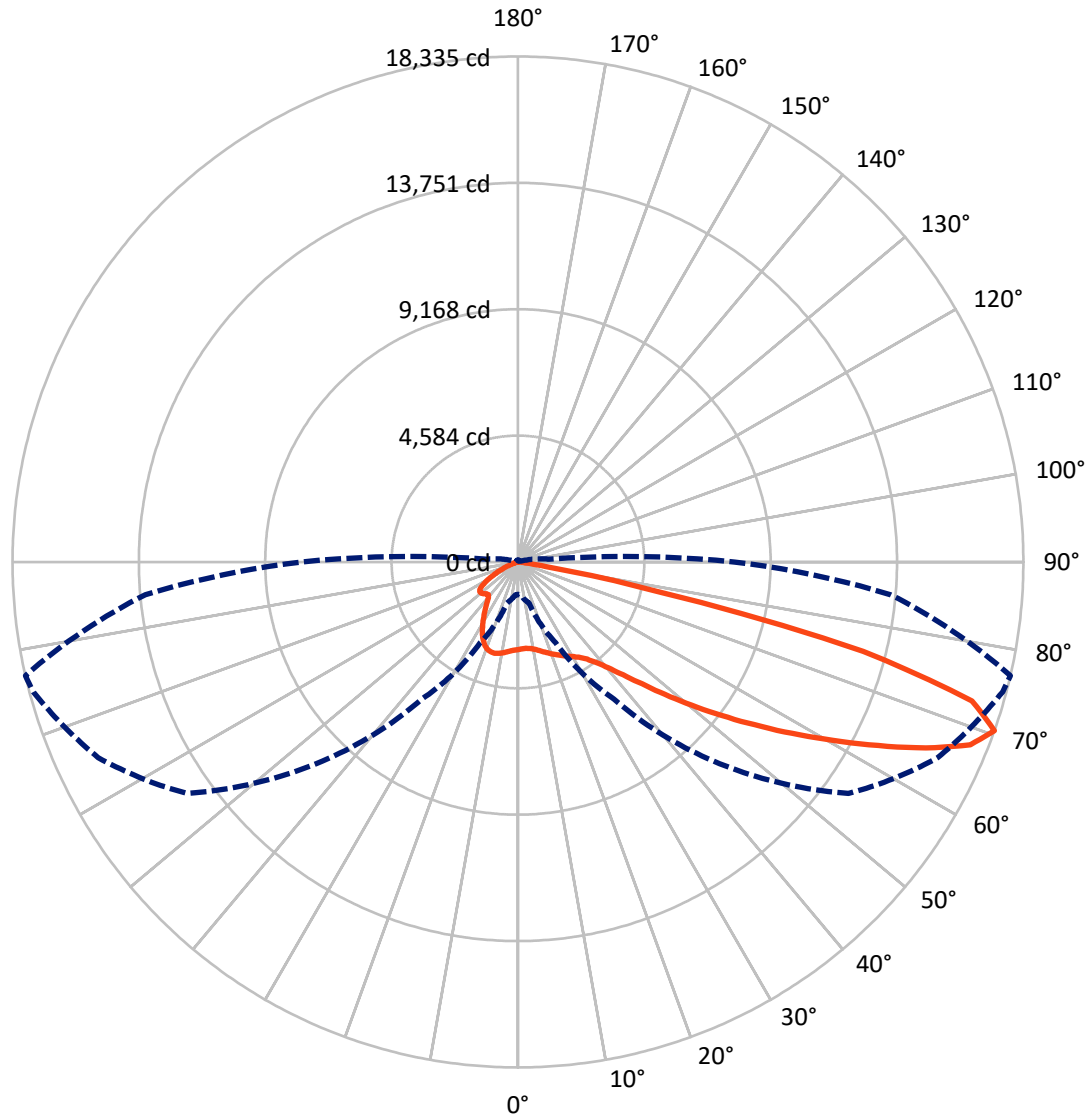
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6 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	2145.1	0.0	2145.1
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	18203.9	0.0	18203.9
	% Fixture	89.5	0.0	89.5
Total	Lumens	20349.0	0.0	20349.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	273.6	1.3
10°-20°	649.4	3.2
20°-30°	1004.4	4.9
30°-40°	1822.6	9.0
40°-50°	3440.3	16.9
50°-60°	4971.0	24.4
60°-70°	5291.5	26.0
70°-80°	2804.1	13.8
80°-90°	92.1	0.5
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°	20349.0	100.0
0°-180°	20349.0	100.0

Coefficient of Utilization



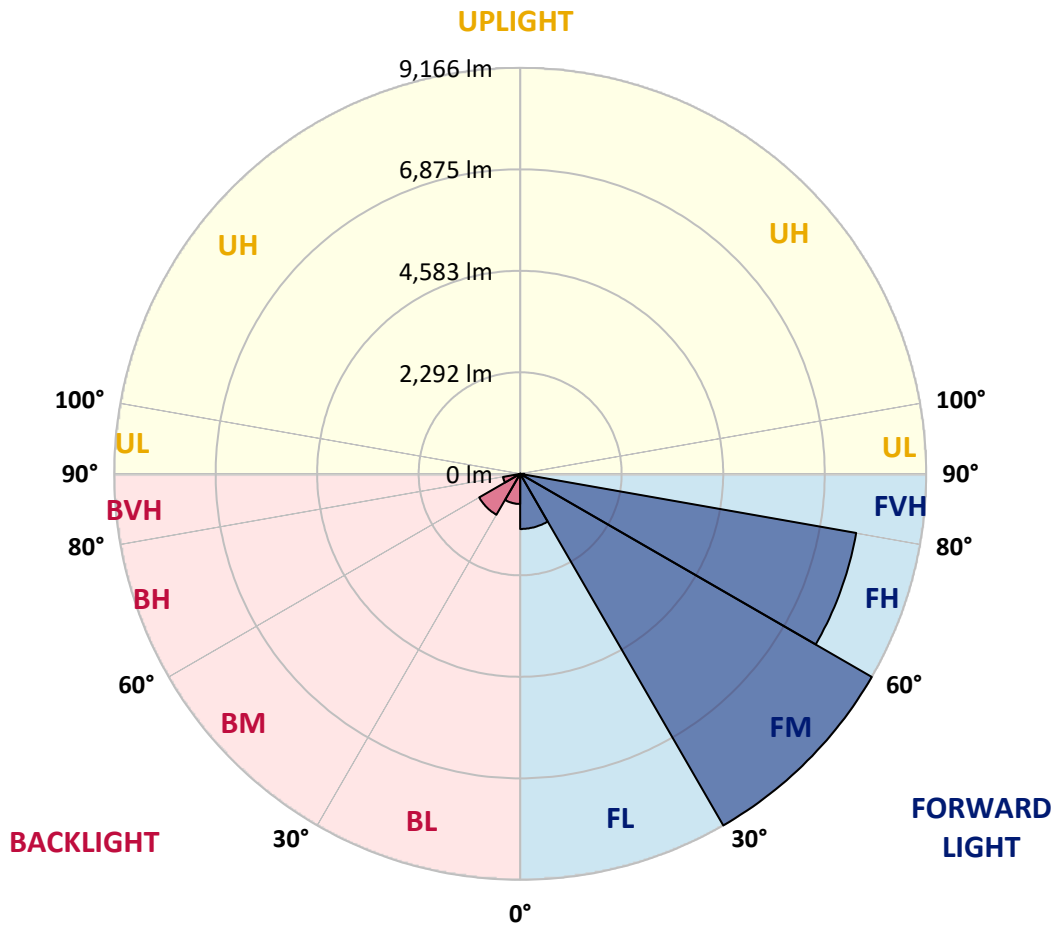
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1245.8	6.1			
FM (30°-60°)	9166.1	45.0			
FH (60°-80°)	7702.4	37.9			G4/12000
FVH (80°-90°)	89.6	0.4			G1/100
BL (0°-30°)	681.5	3.3	B2/1000		
BM (30°-60°)	1067.8	5.2	B2/2500		
BH (60°-80°)	393.3	1.9	B1/500		G1/500
BVH (80°-90°)	2.5	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G4

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°
0°	3174.1	3174.1	3174.1	3174.1	3174.1	3174.1	3174.1	3174.1	3174.1	3174.1
2.5°	2980.0	3007.0	3003.2	3021.2	3027.6	3053.3	3079.0	3113.7	3152.2	3150.9
5°	2811.7	2838.7	2845.1	2869.5	2900.4	2940.2	2992.9	3062.3	3134.2	3145.8
7.5°	2612.5	2640.8	2657.5	2706.3	2762.9	2845.1	2931.2	3032.7	3152.2	3168.9
10°	2413.3	2439.0	2460.9	2530.3	2620.2	2742.3	2882.4	3028.9	3189.5	3213.9
12.5°	2290.0	2314.4	2338.8	2399.2	2511.0	2660.1	2850.2	3046.9	3251.2	3285.9
15°	2246.3	2268.1	2287.4	2341.4	2445.5	2615.1	2843.8	3084.1	3329.6	3375.8
17.5°	2252.7	2264.3	2277.1	2318.2	2419.8	2594.5	2855.4	3148.4	3422.1	3463.2
20°	2290.0	2296.4	2297.7	2325.9	2415.9	2591.9	2878.5	3210.1	3509.5	3564.7
22.5°	2337.5	2340.1	2337.5	2356.8	2440.3	2611.2	2909.4	3284.6	3607.1	3658.5
25°	2559.8	2511.0	2449.3	2412.0	2481.4	2648.5	2955.6	3384.8	3713.8	3763.9
27.5°	3249.9	3109.8	2888.8	2640.8	2566.2	2702.5	3019.9	3486.3	3821.7	3866.7
30°	4370.5	4186.7	3811.5	3252.5	2838.7	2815.5	3103.4	3587.9	3936.1	3984.9
32.5°	5493.6	5448.6	5015.6	4242.0	3451.6	3067.4	3242.2	3725.4	4087.7	4126.3
35°	6629.6	6538.3	6183.7	5419.1	4396.2	3580.2	3473.5	3905.3	4286.9	4330.6
37.5°	7499.6	7444.3	7224.6	6594.9	5516.7	4371.7	3869.3	4184.1	4576.1	4624.9
40°	8268.0	8242.3	8167.8	7752.7	6769.6	5407.5	4484.8	4615.9	4977.0	5034.8
42.5°	8872.0	8932.4	8974.8	8859.1	8061.1	6589.7	5312.4	5222.4	5536.0	5595.1
45°	9490.1	9510.7	9681.6	9848.6	9343.6	7826.0	6245.3	5933.1	6231.2	6304.5
47.5°	9887.2	9969.4	10270.1	10564.4	10421.8	9051.9	7247.7	6772.2	7036.9	7174.4
50°	9916.7	10072.2	10486.0	10998.8	11206.9	10218.7	8337.4	7728.3	8009.7	8161.4
52.5°	9424.6	9666.2	10307.4	11057.9	11631.0	11206.9	9464.4	8684.4	9045.5	9243.4
55°	7225.8	7542.0	9635.3	10736.6	11647.7	11956.1	10561.8	9680.3	10199.5	10423.1
57.5°	6295.5	6454.8	7575.4	10178.9	11338.0	12258.1	11553.9	10628.7	11454.9	11732.5
60°	5237.9	5447.3	6353.3	9266.5	10917.8	12287.7	12430.3	11852.0	12815.8	13128.1
62.5°	3559.6	3787.0	4687.9	7698.7	10343.4	12273.5	13148.6	13111.4	14328.3	14663.7
65°	2205.1	2347.8	2941.5	6286.5	9540.2	12288.9	13900.4	14640.6	15924.4	16264.9
67.5°	1742.5	1808.1	2117.8	4826.7	8156.2	11942.0	14650.9	16078.6	17426.6	17696.4
70°	1170.7	1210.5	1540.8	3235.8	6068.0	10340.8	14636.7	16800.8	18200.2	18335.1
72.5°	616.8	647.7	900.8	1498.4	3665.0	7350.5	12337.8	15937.2	17430.4	17227.4
75°	308.4	359.8	606.5	760.8	1565.2	4099.3	7661.5	12565.2	13719.2	12932.8
77.5°	233.9	282.7	501.2	501.2	544.9	1380.1	3244.8	6853.2	6321.2	5263.6
80°	149.1	192.8	438.2	379.1	227.5	350.8	845.6	1919.9	1342.9	1021.6
82.5°	87.4	125.9	365.0	250.6	127.2	129.8	239.0	408.6	348.2	271.1
85°	34.7	82.2	250.6	98.9	50.1	32.1	72.0	87.4	72.0	54.0
87.5°	0.0	19.3	43.7	0.0	3.9	2.6	5.1	6.4	6.4	5.1
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°
3174.1	0°	3174.1	3174.1	3174.1	3174.1	3174.1	3174.1	3174.1	3174.1	3174.1	3174.1
3176.6	2.5°	3188.2	3190.8	3198.5	3199.8	3181.8	3158.7	3149.7	3145.8	3130.4	3129.1
3197.2	5°	3226.8	3238.3	3226.8	3193.4	3113.7	3001.9	2917.1	2847.7	2784.7	2765.4
3267.9	7.5°	3303.9	3315.4	3280.7	3149.7	2949.2	2726.9	2526.4	2385.1	2257.8	2210.3
3354.0	10°	3414.4	3429.8	3320.6	3055.9	2701.2	2343.9	2004.7	1765.7	1579.3	1503.5
3470.9	12.5°	3553.2	3559.6	3342.4	2913.2	2378.6	1868.5	1387.9	1132.1	966.4	904.7
3612.3	15°	3706.1	3697.1	3345.0	2719.2	1939.1	1321.0	906.0	744.0	677.2	656.7
3753.6	17.5°	3866.7	3829.5	3293.6	2439.0	1457.2	903.4	672.1	633.5	622.0	616.8
3893.7	20°	4024.8	3941.3	3199.8	2072.8	1046.0	674.7	610.4	598.8	592.4	589.8
4035.1	22.5°	4168.7	4026.1	3039.1	1647.4	759.5	596.3	577.0	566.7	555.1	550.0
4172.6	25°	4308.8	4074.9	2813.0	1250.4	607.8	557.7	542.3	523.0	507.6	501.2
4320.3	27.5°	4445.0	4105.7	2530.3	925.2	542.3	521.7	493.5	466.5	454.9	452.3
4478.4	30°	4590.2	4116.0	2209.0	690.1	502.5	476.8	435.6	404.8	398.4	399.7
4691.7	32.5°	4767.5	4131.4	1885.2	565.4	469.0	422.8	373.9	341.8	336.7	341.8
5002.7	35°	4979.6	4162.3	1572.9	520.4	439.5	367.5	314.8	287.9	282.7	286.6
5401.1	37.5°	5267.4	4212.4	1281.2	511.5	415.1	321.3	264.7	242.9	242.9	244.2
5889.4	40°	5650.4	4346.0	1020.3	505.0	402.2	286.6	223.6	214.6	218.5	221.0
6511.4	42.5°	6116.8	4630.0	844.3	497.3	388.1	271.1	203.0	199.2	205.6	208.2
7256.7	45°	6639.9	4989.9	782.6	484.5	375.2	281.4	194.0	188.9	196.6	197.9
8092.0	47.5°	7180.9	5342.0	774.9	470.3	362.4	296.8	191.5	179.9	188.9	190.2
8983.8	50°	7728.3	5572.0	782.6	448.5	341.8	296.8	192.8	170.9	178.6	182.5
9909.0	52.5°	8279.6	5677.4	777.5	400.9	305.8	278.9	192.8	163.2	170.9	173.5
10908.8	55°	8814.2	5656.8	699.1	330.3	259.6	246.7	187.6	156.8	161.9	163.2
11853.3	57.5°	9236.9	5370.2	553.9	257.0	210.7	205.6	170.9	149.1	152.9	151.6
12719.4	60°	9458.0	4740.6	395.8	197.9	165.8	161.9	150.4	138.8	141.4	134.9
13453.2	62.5°	9460.5	3907.8	264.7	156.8	132.4	128.5	128.5	124.6	122.1	109.2
14021.2	65°	9258.8	2983.9	176.1	124.6	106.7	100.2	107.9	106.7	97.7	79.7
14194.7	67.5°	8801.3	1955.8	133.6	97.7	82.2	78.4	86.1	90.0	83.5	66.8
13562.4	70°	7860.7	1138.6	110.5	75.8	61.7	57.8	69.4	77.1	69.4	54.0
11592.4	72.5°	6529.3	614.3	90.0	56.5	42.4	38.6	55.3	63.0	55.3	39.8
7437.9	75°	4236.8	329.0	69.4	37.3	21.8	24.4	41.1	46.3	38.6	25.7
2183.3	77.5°	1422.6	145.2	43.7	18.0	10.3	10.3	24.4	28.3	18.0	9.0
397.1	80°	317.4	60.4	18.0	7.7	3.9	3.9	5.1	5.1	2.6	0.0
122.1	82.5°	104.1	24.4	7.7	2.6	0.0	0.0	0.0	0.0	0.0	0.0
30.8	85°	39.8	9.0	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.3	87.5°	15.4	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°
3174.1
3131.7
2753.9
2191.0
1471.4
885.4
656.7
615.5
587.3
548.7
498.6
449.8
399.7
340.5
285.3
242.9
221.0
208.2
199.2
191.5
183.8
173.5
163.2
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