

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: P943616

Luminaire Tested: **GALN-SB8A-935-U-T3-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P943616
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB8A-935-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 90 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19790 lumens
Efficiency: N/A
Efficacy: 87.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G3

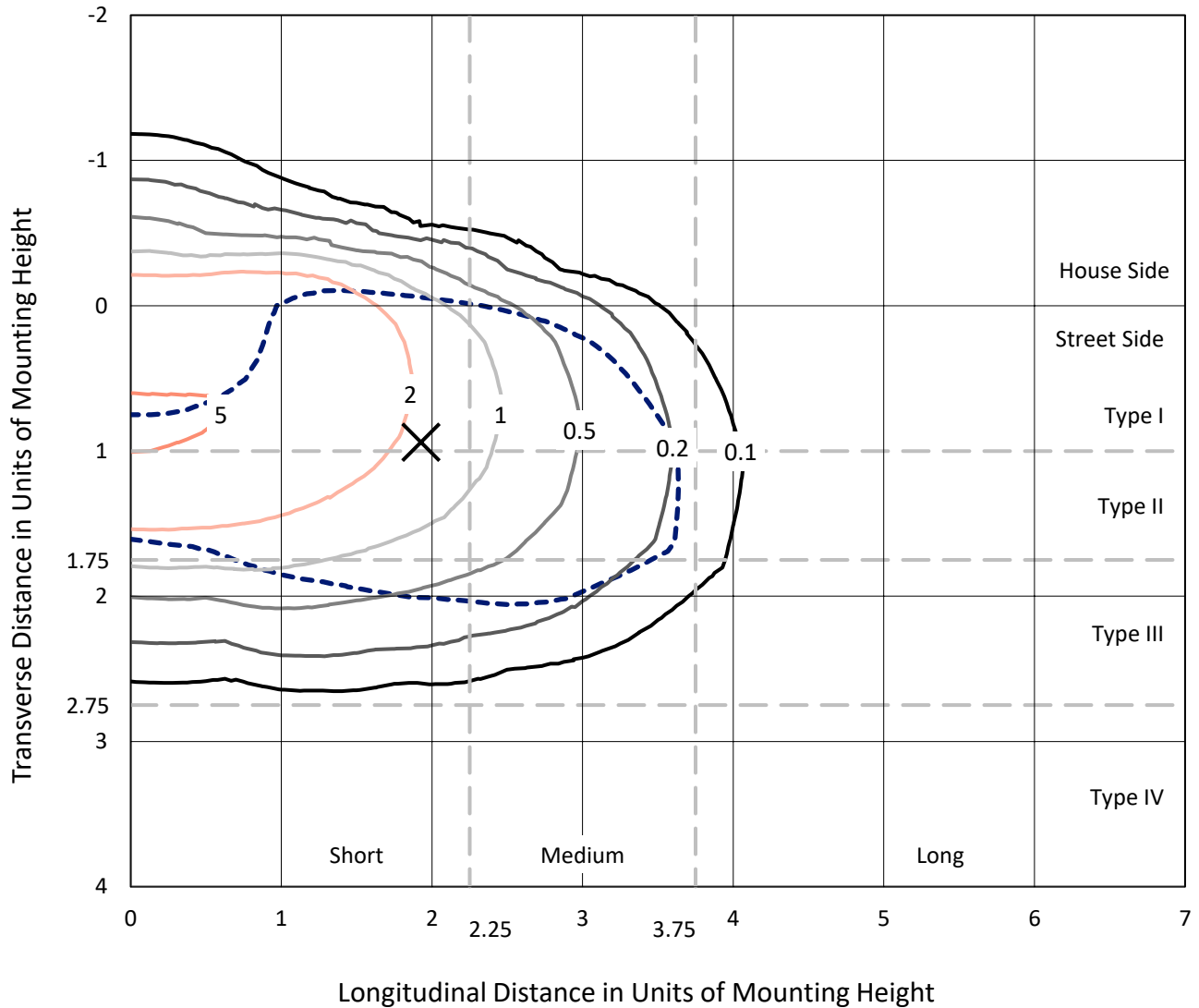
Input Watts (W): 227.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P943616
 CATALOG NUMBER: GALN-SB8A-935-U-T3-HSS

Iso-Footcandle Lines of Horizontal Illumination

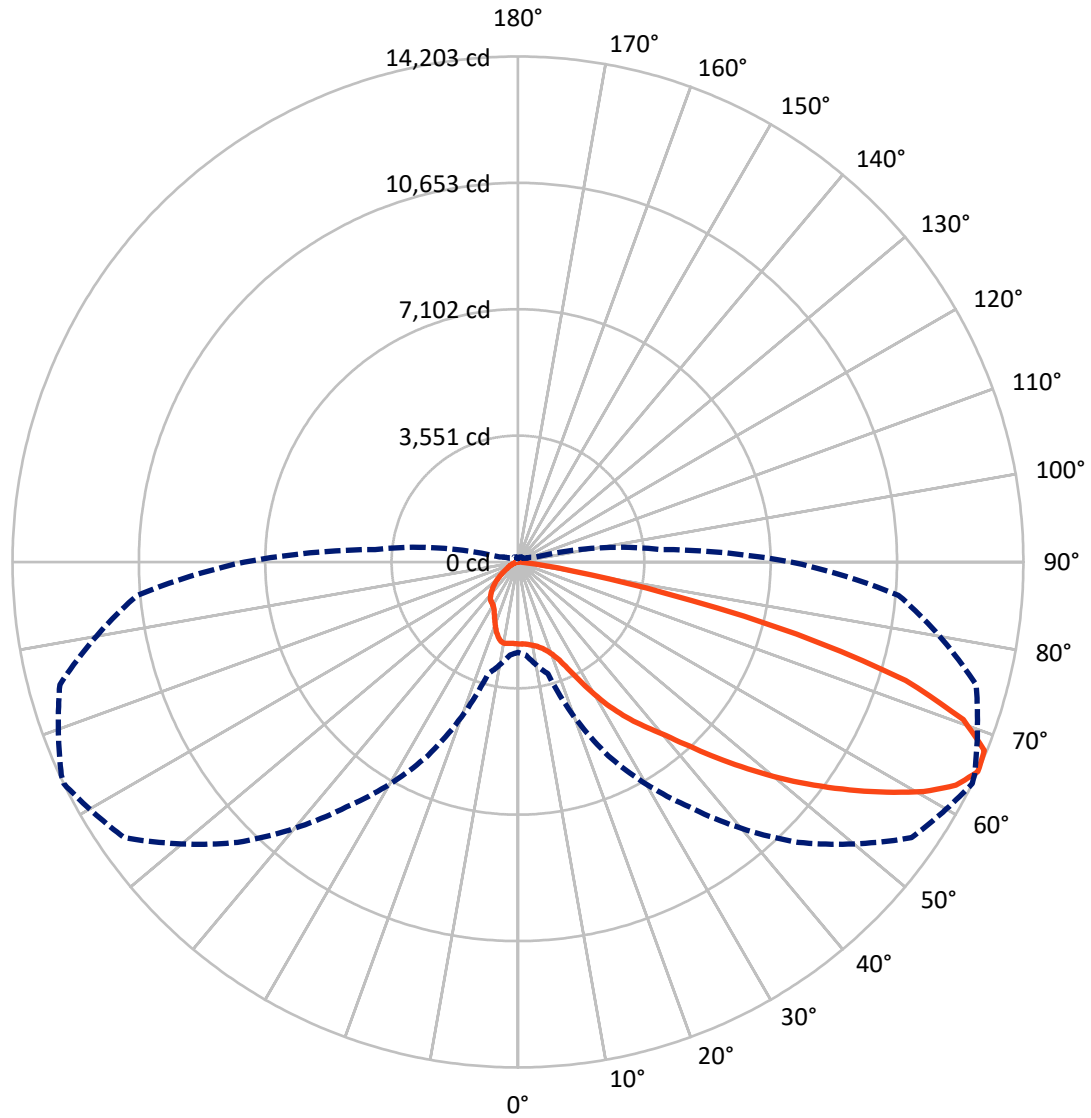
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.8 fc
 Type III - Short - N/A

REPORT NUMBER: P943616
CATALOG NUMBER: GALN-SB8A-935-U-T3-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2646.5	0.0	2646.5
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	17143.5	0.0	17143.5
	% Fixture	86.6	0.0	86.6
Total	Lumens	19790.0	0.0	19790.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	212.4	1.1
10°-20°	576.0	2.9
20°-30°	1091.4	5.5
30°-40°	2208.6	11.2
40°-50°	3762.3	19.0
50°-60°	5116.5	25.9
60°-70°	4804.6	24.3
70°-80°	1924.9	9.7
80°-90°	93.3	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°	19790.0	100.0
0°-180°	19790.0	100.0

Coefficient of Utilization



REPORT NUMBER: P943616

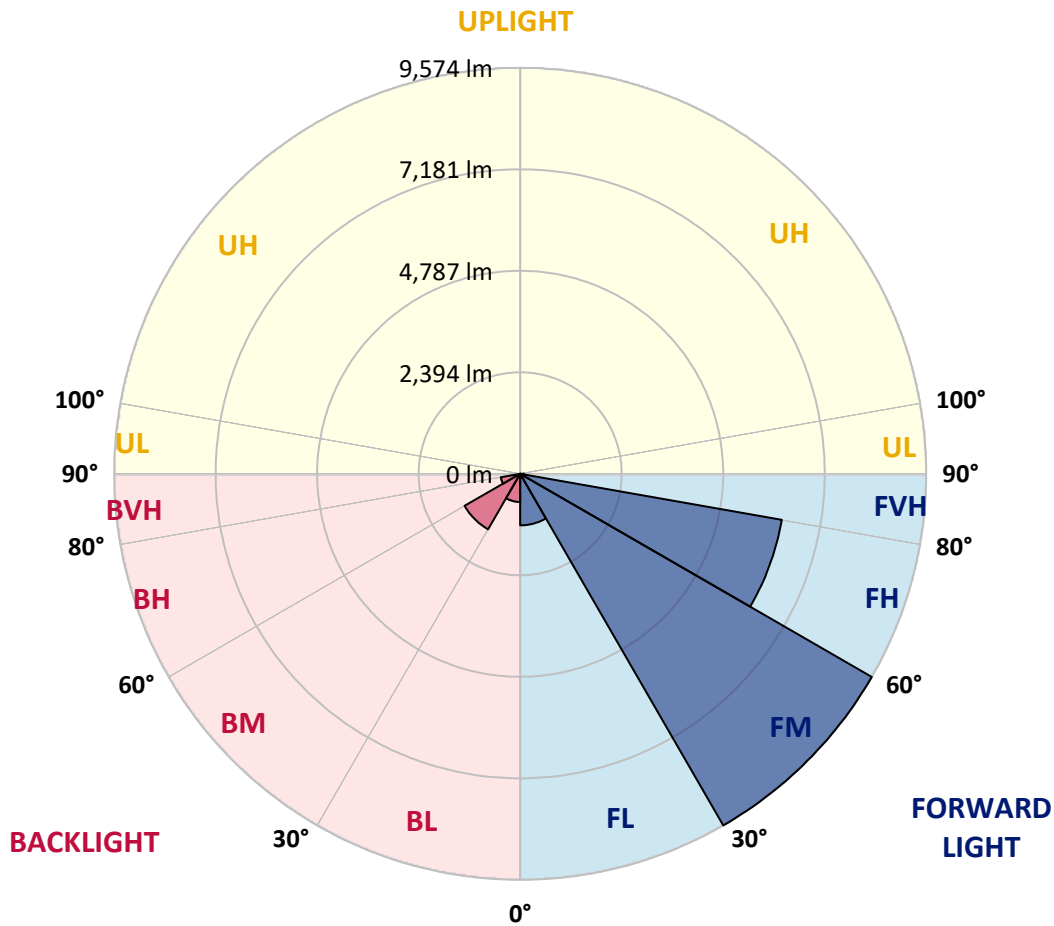
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1215.3	6.1			
FM (30°-60°)	9574.4	48.4			
FH (60°-80°)	6265.1	31.7			G3/7500
FVH (80°-90°)	88.7	0.4			G1/100
BL (0°-30°)	664.5	3.4	B2/1000		
BM (30°-60°)	1513.0	7.6	B2/2500		
BH (60°-80°)	464.5	2.3	B1/500		G1/500
BVH (80°-90°)	4.6	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-G3

Type III Short



REPORT NUMBER: P943616

CATALOG NUMBER: GALN-SB8A-935-U-T3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	2301.8	2301.8	2301.8	2301.8	2301.8	2301.8	2301.8	2301.8	2301.8	2301.8
2.5°	2293.8	2309.7	2305.8	2301.8	2300.5	2303.1	2304.4	2303.1	2303.1	2303.1
5°	2250.0	2263.3	2263.3	2272.6	2285.9	2301.8	2313.7	2316.4	2319.0	2323.0
7.5°	2166.5	2177.1	2185.0	2215.5	2248.7	2291.2	2327.0	2345.6	2348.2	2362.8
10°	2109.4	2122.7	2135.9	2167.8	2215.5	2279.2	2340.3	2385.4	2392.0	2426.5
12.5°	2106.8	2120.0	2137.3	2171.8	2227.5	2295.1	2369.4	2434.5	2446.4	2496.8
15°	2134.6	2150.5	2166.5	2208.9	2268.6	2350.9	2430.5	2511.4	2523.3	2595.0
17.5°	2191.7	2212.9	2224.8	2267.3	2331.0	2422.5	2527.3	2620.2	2630.8	2714.4
20°	2304.4	2329.6	2333.6	2368.1	2430.5	2528.6	2653.4	2768.8	2782.0	2877.6
22.5°	2537.9	2573.8	2541.9	2559.2	2614.9	2713.1	2848.4	2994.3	3012.9	3121.7
25°	2949.2	2999.6	2917.4	2888.2	2912.1	3014.2	3184.0	3368.4	3389.7	3477.2
27.5°	3757.1	3692.1	3567.4	3445.4	3373.7	3432.1	3623.2	3851.3	3877.9	3962.8
30°	4644.7	4587.6	4419.2	4148.5	3978.7	3969.4	4145.9	4400.6	4431.1	4512.0
32.5°	5533.6	5479.2	5296.1	4963.1	4668.6	4522.6	4644.7	4927.3	4943.2	4994.9
35°	6407.8	6352.1	6169.0	5828.1	5465.9	5134.2	5110.4	5428.8	5434.1	5488.5
37.5°	7287.4	7241.0	7046.0	6711.7	6354.8	5897.1	5675.5	5903.7	5910.3	5963.4
40°	7914.9	7934.8	7800.9	7542.2	7235.7	6735.5	6309.7	6409.2	6369.4	6458.3
42.5°	8453.6	8493.4	8376.6	8246.6	8068.8	7628.4	7095.1	7077.8	7014.1	7061.9
45°	8919.2	8952.4	8847.6	8817.1	8813.1	8504.0	7953.4	7849.9	7761.1	7751.8
47.5°	9090.4	9154.1	9199.2	9301.3	9500.3	9370.3	8841.0	8680.4	8580.9	8508.0
50°	9155.4	9223.1	9376.9	9674.1	10145.1	10200.8	9724.5	9544.1	9422.1	9289.4
52.5°	9067.8	9188.6	9395.5	9895.7	10578.9	10866.8	10572.3	10414.4	10275.1	10058.9
55°	8551.8	8672.5	9095.7	9893.0	10795.2	11333.8	11373.6	11303.3	11146.7	10805.8
57.5°	7463.9	7643.0	8313.0	9556.0	10791.2	11735.8	12159.0	12209.4	12034.3	11546.1
60°	5956.8	6199.6	7016.8	8809.1	10458.2	11953.3	12847.5	13099.6	12913.9	12275.7
62.5°	4156.5	4437.7	5211.2	7639.0	9696.7	11796.8	13350.3	13816.0	13675.4	12928.5
65°	2535.3	2625.5	3249.0	6011.2	8401.8	11141.4	13505.6	14203.4	14157.0	13327.8
67.5°	1688.9	1764.5	1943.6	4122.0	6521.9	9832.0	13134.1	14135.7	14149.0	13262.8
70°	1017.6	1082.6	1199.3	2397.3	4226.8	7782.3	11983.9	13273.4	13350.3	12393.8
72.5°	419.2	463.0	569.1	1086.5	2189.0	4939.2	9542.8	11396.1	11575.2	10421.0
75°	237.5	260.0	334.3	545.3	949.9	2301.8	5780.3	8090.1	8354.1	7182.6
77.5°	157.9	168.5	216.2	352.9	534.7	785.4	2470.3	4214.8	4719.0	3923.0
80°	106.1	115.4	148.6	236.1	347.6	337.0	786.7	1561.5	1921.0	1347.9
82.5°	71.6	73.0	106.1	155.2	220.2	163.2	232.2	485.6	610.3	390.0
85°	41.1	39.8	78.3	90.2	98.2	67.7	70.3	145.9	191.0	164.5
87.5°	5.3	8.0	30.5	23.9	13.3	14.6	14.6	25.2	37.1	39.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P943616
 CATALOG NUMBER: GALN-SB8A-935-U-T3-HSS

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
2301.8	0°	2301.8	2301.8	2301.8	2301.8	2301.8	2301.8	2301.8	2301.8	2301.8	2301.8
2304.4	2.5°	2304.4	2303.1	2299.1	2295.1	2285.9	2280.6	2283.2	2280.6	2279.2	2280.6
2321.7	5°	2321.7	2317.7	2307.1	2293.8	2275.2	2252.7	2238.1	2216.9	2197.0	2185.0
2368.1	7.5°	2368.1	2364.1	2349.5	2312.4	2252.7	2158.5	2072.3	1996.6	1939.6	1906.4
2442.4	10°	2442.4	2435.8	2413.2	2331.0	2174.4	1968.8	1797.6	1655.7	1562.8	1519.0
2530.0	12.5°	2530.0	2522.0	2482.2	2313.7	2025.8	1704.8	1468.6	1310.8	1224.5	1186.0
2630.8	15°	2633.5	2622.8	2544.6	2231.5	1809.6	1412.9	1196.7	1078.6	1022.9	988.4
2759.5	17.5°	2762.1	2743.6	2591.0	2108.1	1574.8	1190.0	1029.5	940.6	891.5	858.4
2928.0	20°	2929.3	2898.8	2628.1	1960.8	1358.5	1049.4	916.7	842.4	805.3	776.1
3166.8	22.5°	3162.8	3119.0	2673.3	1801.6	1205.9	952.6	833.2	778.8	748.2	715.1
3499.8	25°	3452.0	3400.3	2729.0	1654.4	1101.1	869.0	772.1	727.0	691.2	652.7
3936.2	27.5°	3856.6	3763.8	2795.3	1533.6	1010.9	797.3	716.4	666.0	624.9	593.0
4431.1	30°	4307.7	4155.1	2853.7	1460.7	928.7	731.0	643.4	593.0	554.6	532.0
4875.5	32.5°	4734.9	4527.9	2892.2	1428.8	854.4	655.4	563.8	509.4	480.3	473.6
5310.7	35°	5138.2	4864.9	2888.2	1398.3	788.0	579.8	485.6	429.8	407.3	411.3
5779.0	37.5°	5602.6	5224.4	2860.3	1350.6	733.7	510.8	417.9	368.8	348.9	350.2
6348.1	40°	6142.5	5639.7	2843.1	1260.3	674.0	447.1	362.2	322.4	307.8	302.5
6947.8	42.5°	6718.3	6041.7	2845.7	1158.2	599.7	390.0	323.7	290.5	277.3	273.3
7615.1	45°	7296.7	6425.1	2849.7	1052.1	521.4	346.3	295.8	268.0	260.0	254.7
8291.7	47.5°	7840.7	6751.5	2775.4	938.0	444.4	313.1	273.3	254.7	248.1	241.5
8971.0	50°	8347.4	6969.0	2596.3	805.3	383.4	286.6	256.0	242.8	236.1	229.5
9586.6	52.5°	8741.5	7003.5	2300.5	668.6	341.0	266.7	245.4	233.5	225.5	218.9
10084.1	55°	8916.6	6787.3	1879.9	541.3	307.8	249.4	234.8	222.9	213.6	207.0
10475.4	57.5°	8871.5	6332.2	1466.0	435.1	275.9	232.2	221.6	213.6	203.0	192.4
10792.5	60°	8649.9	5723.3	1105.1	362.2	246.8	213.6	207.0	200.3	185.7	169.8
10914.6	62.5°	8266.5	4957.8	788.0	299.8	214.9	192.4	189.7	184.4	163.2	134.0
10734.1	65°	7680.1	4027.8	530.7	249.4	184.4	168.5	169.8	160.5	132.7	99.5
10073.4	67.5°	6823.1	2945.2	339.6	204.3	153.9	140.6	142.0	136.6	112.8	84.9
8821.1	70°	5731.2	1950.2	221.6	155.2	123.4	108.8	116.7	118.1	95.5	69.0
6770.0	72.5°	4201.6	1151.6	155.2	115.4	90.2	75.6	95.5	98.2	76.9	51.7
4072.9	75°	2394.6	546.6	116.7	83.6	55.7	53.1	74.3	74.3	53.1	34.5
1763.2	77.5°	1005.6	228.2	82.3	54.4	31.8	30.5	50.4	46.4	26.5	15.9
429.8	80°	290.5	102.2	43.8	26.5	13.3	11.9	19.9	14.6	6.6	2.7
163.2	82.5°	114.1	45.1	17.2	10.6	5.3	5.3	2.7	0.0	0.0	0.0
92.9	85°	67.7	18.6	8.0	4.0	1.3	0.0	0.0	0.0	0.0	0.0
19.9	87.5°	17.2	4.0	2.7	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°
2301.8
2285.9
2187.7
1907.8
1515.1
1182.1
989.7
855.7
770.8
709.8
648.7
586.4
528.0
477.6
411.3
355.5
301.2
272.0
254.7
241.5
229.5
217.6
205.6
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