

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: P941936

Luminaire Tested: **GALN-SB5C-950-U-T3-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P941936  
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-SB5C-950-U-T3-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 90 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

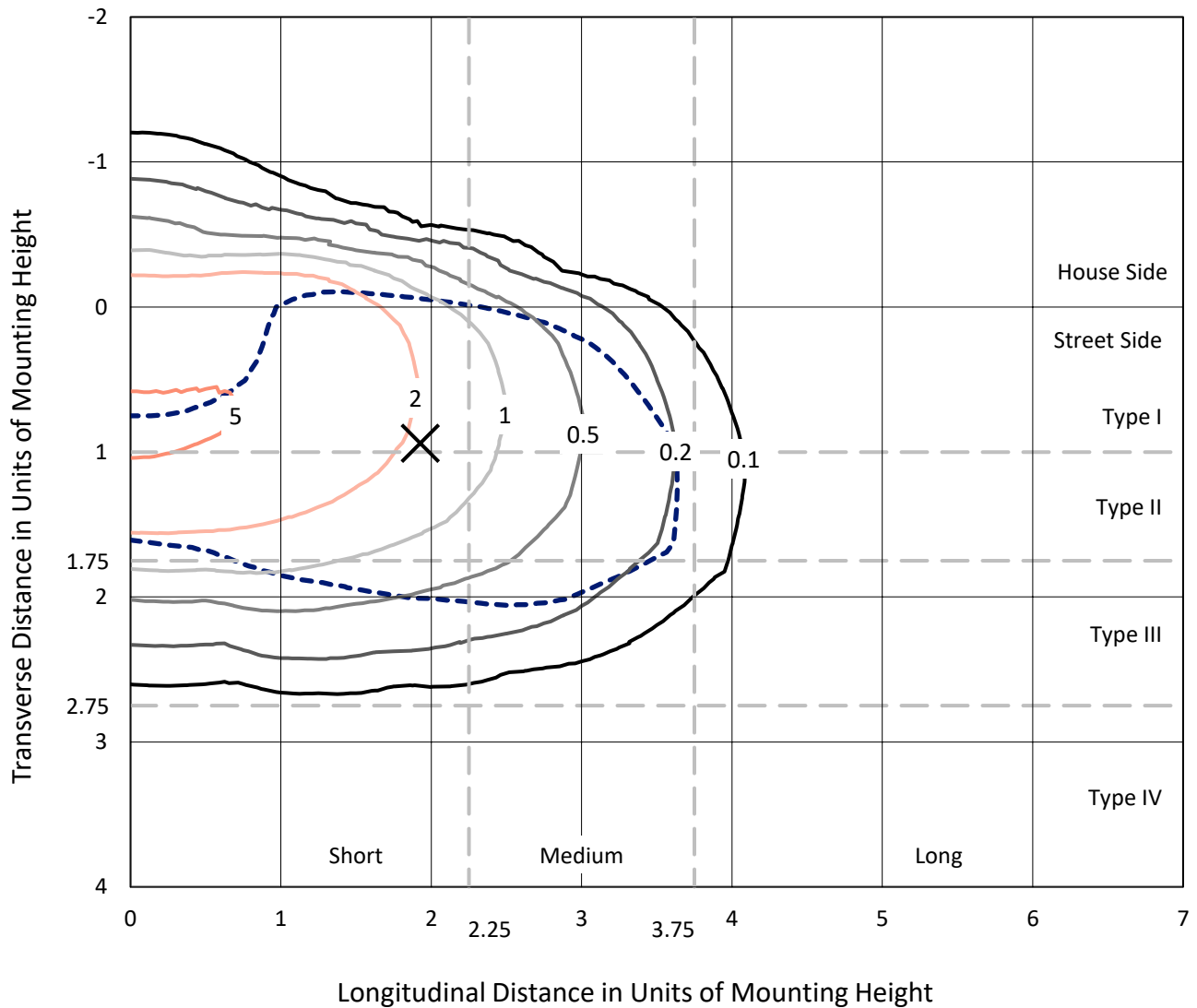
Lumens per Lamp: N/A  
Luminaire Lumens: 20640 lumens  
Efficiency: N/A  
Efficacy: 82.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G3  
  
Input Watts (W): 249.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

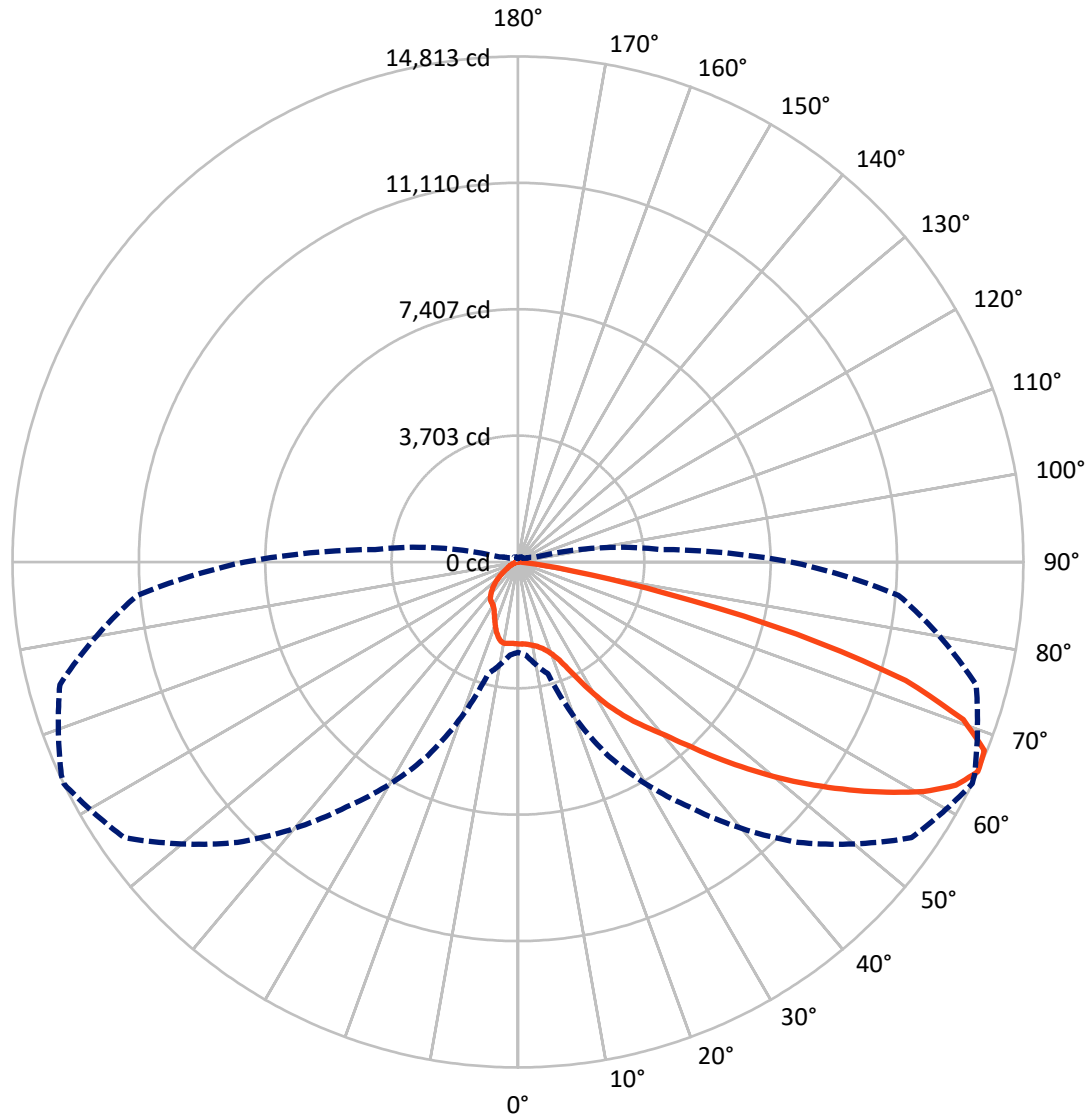
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6 fc  
 Type III - Short - N/A

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### 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
<b>House Side</b>	Lumens	2760.2	0.0	2760.2
	% Fixture	13.4	0.0	13.4
<b>Street Side</b>	Lumens	17879.8	0.0	17879.8
	% Fixture	86.6	0.0	86.6
<b>Total</b>	Lumens	20640.0	0.0	20640.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	221.5	1.1
10°-20°	600.7	2.9
20°-30°	1138.3	5.5
30°-40°	2303.4	11.2
40°-50°	3923.9	19.0
50°-60°	5336.2	25.9
60°-70°	5011.0	24.3
70°-80°	2007.6	9.7
80°-90°	97.3	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°	20640.0	100.0
0°-180°	20640.0	100.0

**Coefficient of Utilization**



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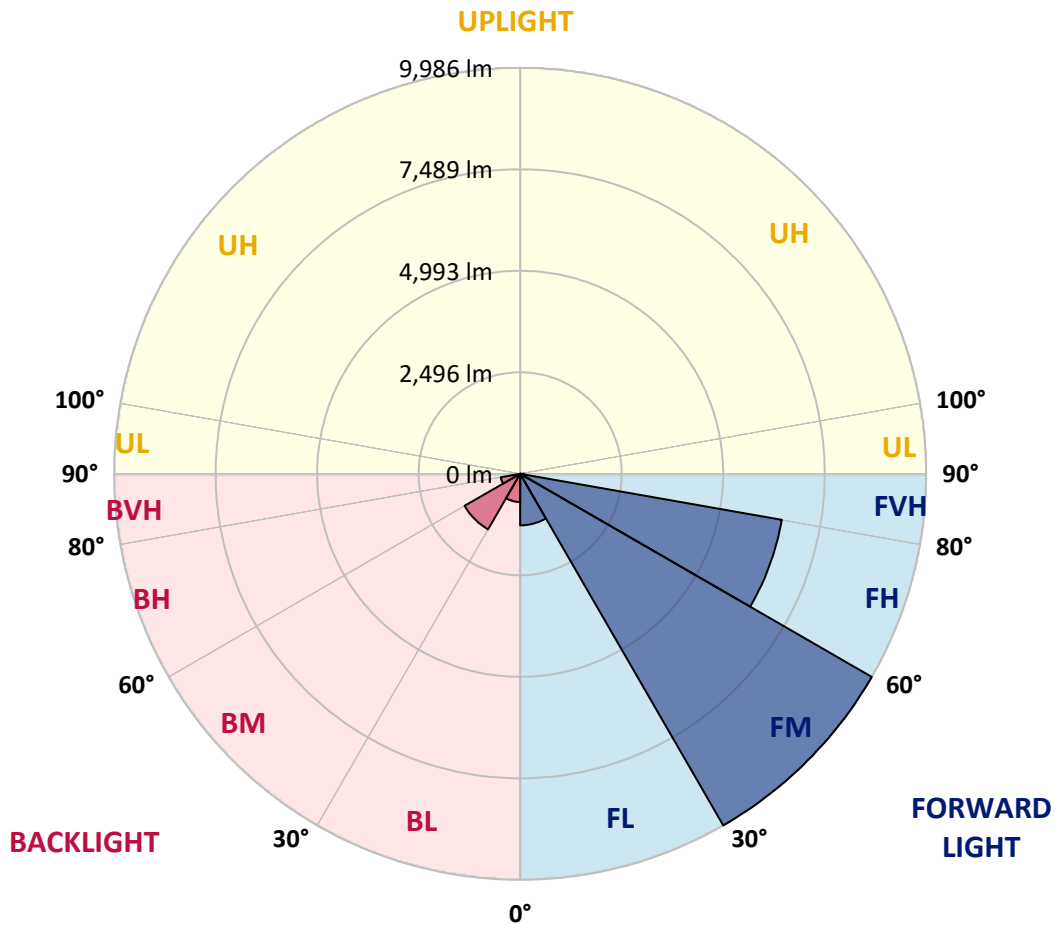
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1267.5	6.1			
FM (30°-60°)	9985.6	48.4			
FH (60°-80°)	6534.2	31.7			G3/7500
FVH (80°-90°)	92.5	0.4			G1/100
BL (0°-30°)	693.0	3.4	B2/1000		
BM (30°-60°)	1578.0	7.6	B2/2500		
BH (60°-80°)	484.5	2.3	B1/500		G1/500
BVH (80°-90°)	4.8	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



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	2400.6	2400.6	2400.6	2400.6	2400.6	2400.6	2400.6	2400.6	2400.6	2400.6
2.5°	2392.3	2408.9	2404.8	2400.6	2399.3	2402.0	2403.4	2402.0	2402.0	2402.0
5°	2346.7	2360.5	2360.5	2370.2	2384.0	2400.6	2413.1	2415.9	2418.6	2422.8
7.5°	2259.5	2270.6	2278.9	2310.7	2345.3	2389.6	2426.9	2446.3	2449.1	2464.3
10°	2200.0	2213.9	2227.7	2260.9	2310.7	2377.1	2440.8	2487.8	2494.7	2530.7
12.5°	2197.2	2211.1	2229.1	2265.0	2323.2	2393.7	2471.2	2539.0	2551.5	2604.0
15°	2226.3	2242.9	2259.5	2303.8	2366.1	2451.8	2534.9	2619.3	2631.7	2706.4
17.5°	2285.8	2307.9	2320.4	2364.7	2431.1	2526.6	2635.9	2732.7	2743.8	2831.0
20°	2403.4	2429.7	2433.9	2469.8	2534.9	2637.3	2767.3	2887.7	2901.5	3001.2
22.5°	2646.9	2684.3	2651.1	2669.1	2727.2	2829.6	2970.7	3122.9	3142.3	3255.7
25°	3075.9	3128.5	3042.7	3012.2	3037.1	3143.7	3320.8	3513.1	3535.2	3626.6
27.5°	3918.5	3850.7	3720.7	3593.4	3518.6	3579.5	3778.8	4016.8	4044.4	4133.0
30°	4844.2	4784.7	4609.0	4326.7	4149.6	4139.9	4323.9	4589.6	4621.4	4705.8
32.5°	5771.2	5714.5	5523.6	5176.3	4869.1	4716.9	4844.2	5138.9	5155.5	5209.5
35°	6683.1	6625.0	6434.0	6078.4	5700.7	5354.8	5329.8	5661.9	5667.5	5724.2
37.5°	7600.4	7552.0	7348.6	6999.9	6627.7	6150.4	5919.3	6157.3	6164.2	6219.5
40°	8254.9	8275.7	8135.9	7866.1	7546.5	7024.8	6580.7	6684.5	6642.9	6735.6
42.5°	8816.7	8858.2	8736.4	8600.8	8415.4	7956.0	7399.8	7381.8	7315.4	7365.2
45°	9302.3	9336.9	9227.6	9195.8	9191.6	8869.2	8295.0	8187.1	8094.4	8084.7
47.5°	9480.8	9547.2	9594.3	9700.8	9908.4	9772.8	9220.7	9053.3	8949.5	8873.4
50°	9548.6	9619.2	9779.7	10089.6	10580.8	10638.9	10142.2	9954.0	9826.7	9688.4
52.5°	9457.3	9583.2	9799.1	10320.7	11033.3	11333.5	11026.4	10861.7	10716.4	10490.9
55°	8919.1	9045.0	9486.4	10317.9	11258.8	11820.6	11862.1	11788.8	11625.5	11269.9
57.5°	7784.5	7971.3	8670.0	9966.5	11254.7	12239.8	12681.2	12733.8	12551.2	12042.0
60°	6212.6	6465.8	7318.2	9187.5	10907.4	12466.8	13399.3	13662.2	13468.5	12803.0
62.5°	4335.0	4628.3	5435.0	7967.1	10113.2	12303.5	13923.7	14409.4	14262.7	13483.7
65°	2644.2	2738.3	3388.6	6269.4	8762.7	11620.0	14085.6	14813.4	14765.0	13900.2
67.5°	1761.4	1840.3	2027.1	4299.0	6802.1	10254.3	13698.2	14742.9	14756.7	13832.4
70°	1061.3	1129.1	1250.8	2500.3	4408.3	8116.5	12498.6	13843.5	13923.7	12926.1
72.5°	437.2	482.9	593.6	1133.2	2283.0	5151.4	9952.7	11885.6	12072.4	10868.6
75°	247.7	271.2	348.7	568.7	990.7	2400.6	6028.6	8437.5	8712.9	7491.1
77.5°	164.7	175.7	225.5	368.1	557.6	819.1	2576.4	4395.9	4921.7	4091.5
80°	110.7	120.4	155.0	246.3	362.5	351.4	820.5	1628.6	2003.5	1405.8
82.5°	74.7	76.1	110.7	161.9	229.7	170.2	242.1	506.4	636.5	406.8
85°	42.9	41.5	81.6	94.1	102.4	70.6	73.3	152.2	199.2	171.6
87.5°	5.5	8.3	31.8	24.9	13.8	15.2	15.2	26.3	38.7	41.5
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°
2400.6	0°	2400.6	2400.6	2400.6	2400.6	2400.6	2400.6	2400.6	2400.6	2400.6	2400.6
2403.4	2.5°	2403.4	2402.0	2397.9	2393.7	2384.0	2378.5	2381.3	2378.5	2377.1	2378.5
2421.4	5°	2421.4	2417.3	2406.2	2392.3	2373.0	2349.5	2334.2	2312.1	2291.3	2278.9
2469.8	7.5°	2469.8	2465.7	2450.5	2411.7	2349.5	2251.2	2161.3	2082.4	2022.9	1988.3
2547.3	10°	2547.3	2540.4	2516.9	2431.1	2267.8	2053.3	1874.9	1726.8	1629.9	1584.3
2638.6	12.5°	2638.6	2630.3	2588.8	2413.1	2112.8	1778.0	1531.7	1367.1	1277.1	1237.0
2743.8	15°	2746.6	2735.5	2653.9	2327.3	1887.3	1473.6	1248.1	1124.9	1066.8	1030.8
2878.0	17.5°	2880.8	2861.4	2702.3	2198.6	1642.4	1241.1	1073.7	981.0	929.8	895.2
3053.7	20°	3055.1	3023.3	2741.0	2045.0	1416.9	1094.5	956.1	878.6	839.9	809.4
3302.8	22.5°	3298.6	3253.0	2788.1	1879.0	1257.7	993.5	868.9	812.2	780.4	745.8
3650.1	25°	3600.3	3546.3	2846.2	1725.4	1148.4	906.3	805.3	758.2	720.9	680.8
4105.3	27.5°	4022.3	3925.4	2915.4	1599.5	1054.3	831.6	747.2	694.6	651.7	618.5
4621.4	30°	4492.7	4333.6	2976.2	1523.4	968.6	762.4	671.1	618.5	578.4	554.8
5084.9	32.5°	4938.3	4722.4	3016.4	1490.2	891.1	683.5	588.1	531.3	500.9	494.0
5538.8	35°	5358.9	5073.9	3012.2	1458.4	821.9	604.7	506.4	448.3	424.8	428.9
6027.2	37.5°	5843.2	5448.8	2983.2	1408.6	765.2	532.7	435.9	384.7	363.9	365.3
6620.8	40°	6406.3	5881.9	2965.2	1314.5	702.9	466.3	377.7	336.2	321.0	315.5
7246.2	42.5°	7006.8	6301.2	2967.9	1207.9	625.4	406.8	337.6	303.0	289.2	285.0
7942.2	45°	7610.1	6701.1	2972.1	1097.2	543.8	361.1	308.6	279.5	271.2	265.7
8647.9	47.5°	8177.4	7041.4	2894.6	978.2	463.5	326.5	285.0	265.7	258.7	251.8
9356.3	50°	8706.0	7268.4	2707.8	839.9	399.9	298.9	267.0	253.2	246.3	239.4
9998.3	52.5°	9116.9	7304.3	2399.3	697.4	355.6	278.1	256.0	243.5	235.2	228.3
10517.2	55°	9299.6	7078.8	1960.6	564.5	321.0	260.1	244.9	232.5	222.8	215.9
10925.4	57.5°	9252.5	6604.2	1528.9	453.8	287.8	242.1	231.1	222.8	211.7	200.6
11256.1	60°	9021.4	5969.1	1152.6	377.7	257.4	222.8	215.9	208.9	193.7	177.1
11383.4	62.5°	8621.6	5170.7	821.9	312.7	224.2	200.6	197.9	192.3	170.2	139.7
11195.2	65°	8010.0	4200.8	553.5	260.1	192.3	175.7	177.1	167.4	138.4	103.8
10506.1	67.5°	7116.2	3071.7	354.2	213.1	160.5	146.7	148.1	142.5	117.6	88.6
9199.9	70°	5977.4	2034.0	231.1	161.9	128.7	113.5	121.8	123.1	99.6	72.0
7060.8	72.5°	4382.0	1201.0	161.9	120.4	94.1	78.9	99.6	102.4	80.3	54.0
4247.8	75°	2497.5	570.1	121.8	87.2	58.1	55.3	77.5	77.5	55.3	36.0
1838.9	77.5°	1048.8	238.0	85.8	56.7	33.2	31.8	52.6	48.4	27.7	16.6
448.3	80°	303.0	106.5	45.7	27.7	13.8	12.5	20.8	15.2	6.9	2.8
170.2	82.5°	119.0	47.0	18.0	11.1	5.5	5.5	2.8	0.0	0.0	0.0
96.9	85°	70.6	19.4	8.3	4.2	1.4	0.0	0.0	0.0	0.0	0.0
20.8	87.5°	18.0	4.2	2.8	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°
2400.6
2384.0
2281.7
1989.7
1580.1
1232.8
1032.2
892.5
803.9
740.3
676.6
611.6
550.7
498.1
428.9
370.8
314.1
283.6
265.7
251.8
239.4
226.9
214.5
199.2
174.3
137.0
101.0
84.4
69.2
51.2
33.2
16.6
2.8
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