

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: P939098

Luminaire Tested: **GALN-SB1C-740-U-T4FT-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P939098
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB1C-740-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 4000K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV FORWARD
THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6001 lumens
Efficiency: N/A
Efficacy: 110.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

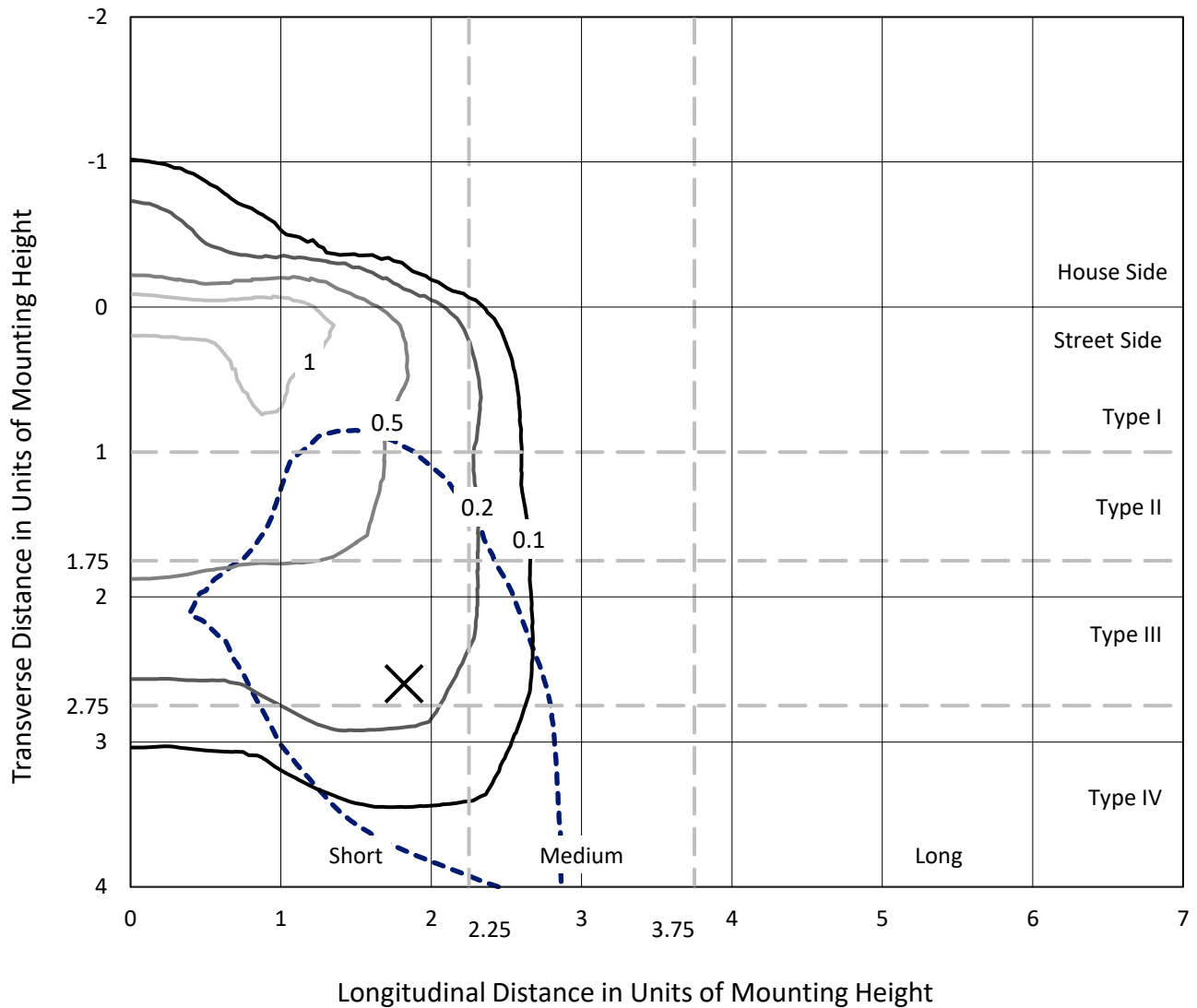
Input Watts (W): 54.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

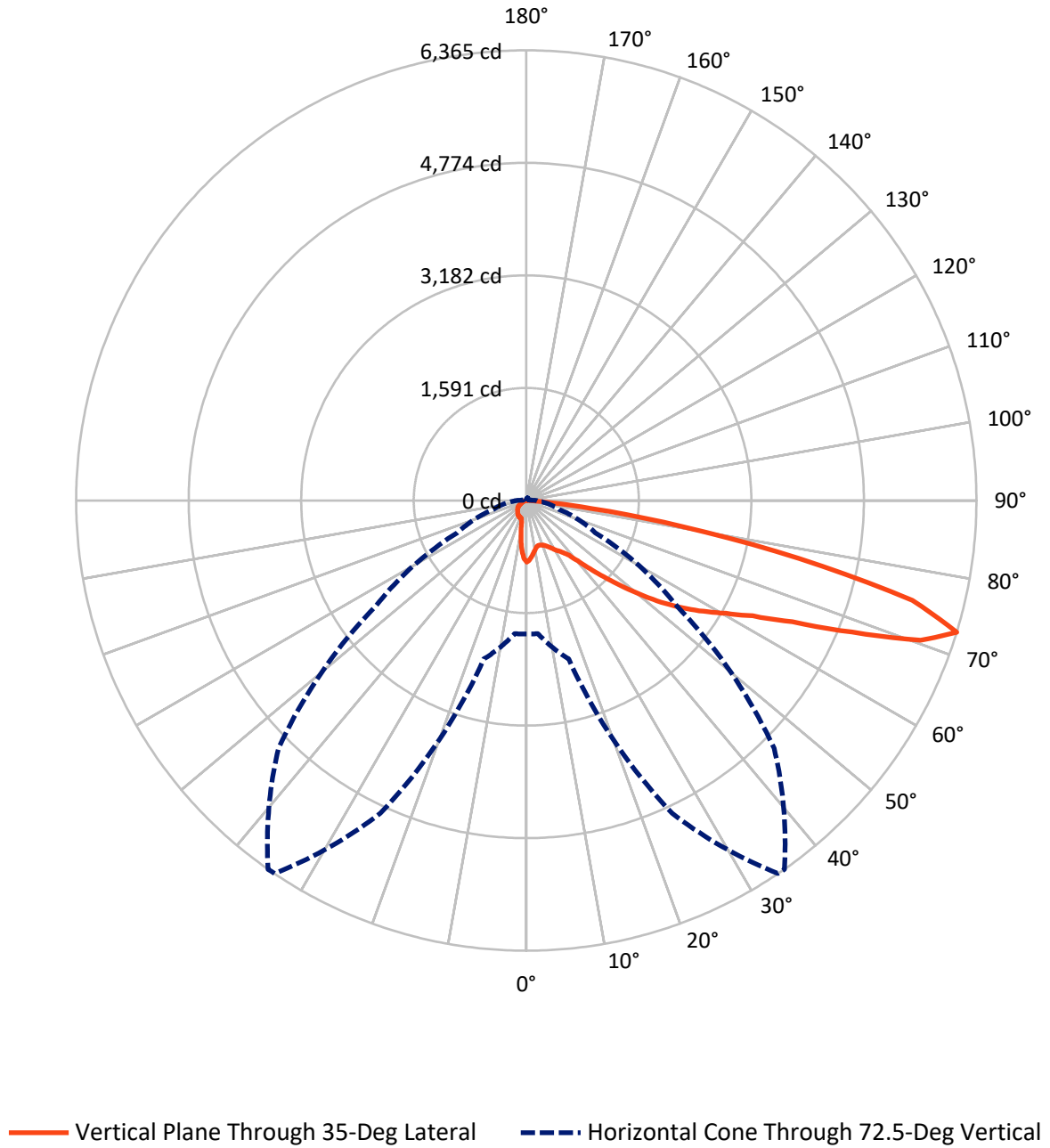
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	675.4	0.0	675.4
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	5325.6	0.0	5325.6
	% Fixture	88.7	0.0	88.7
Total	Lumens	6001.0	0.0	6001.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.5	1.2
10°-20°	167.2	2.8
20°-30°	271.6	4.5
30°-40°	453.2	7.6
40°-50°	857.4	14.3
50°-60°	1362.4	22.7
60°-70°	1685.4	28.1
70°-80°	1047.7	17.5
80°-90°	84.7	1.4
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°	6001.0	100.0
0°-180°	6001.0	100.0

Coefficient of Utilization



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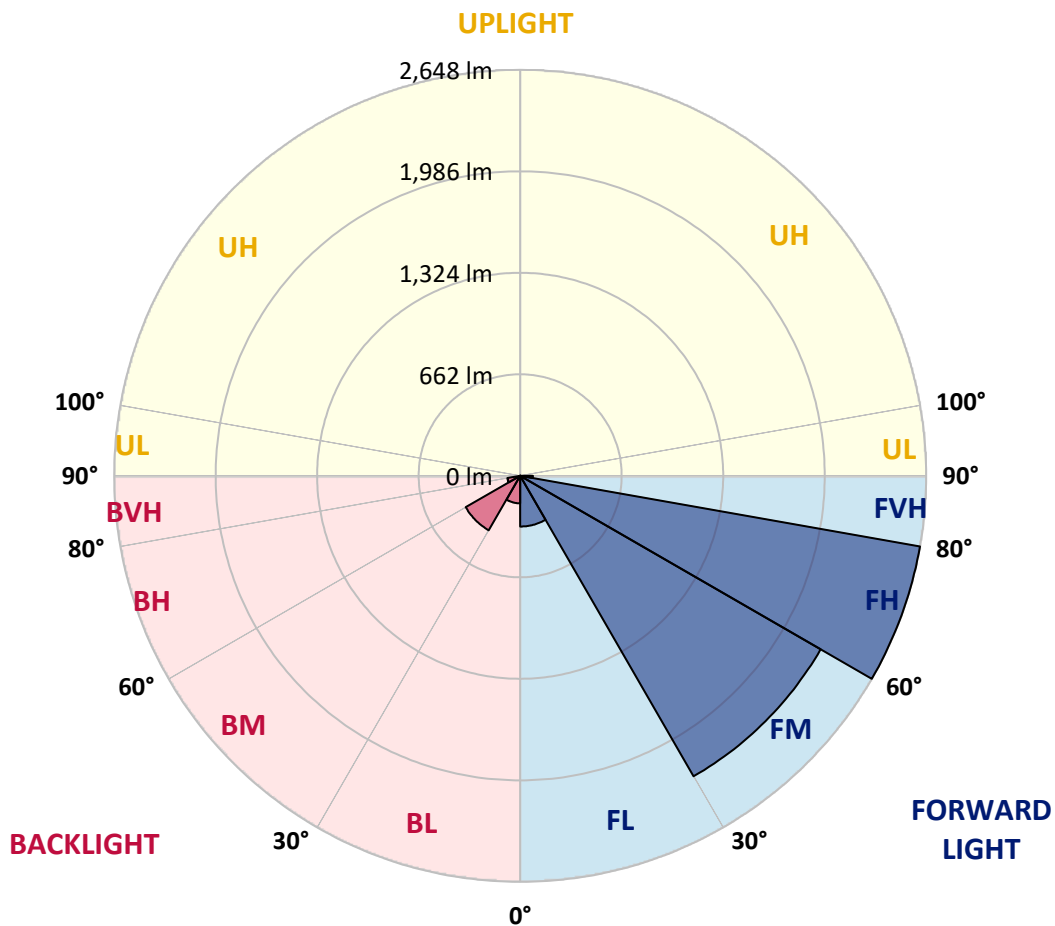
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	330.8	5.5			
FM (30°-60°)	2263.0	37.7			
FH (60°-80°)	2648.3	44.1			G2/5000
FVH (80°-90°)	83.5	1.4			G1/100
BL (0°-30°)	179.5	3.0	B1/500		
BM (30°-60°)	410.0	6.8	B1/1000		
BH (60°-80°)	84.7	1.4	B0/110		G0/110
BVH (80°-90°)	1.2	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	869.7	869.7	869.7	869.7	869.7	869.7	869.7	869.7	869.7	869.7
2.5°	831.1	838.1	839.4	841.6	841.6	844.2	848.6	854.8	864.9	870.2
5°	766.0	771.3	777.8	783.1	793.2	794.6	811.7	828.4	851.7	869.3
7.5°	700.5	706.6	715.4	728.2	741.4	745.3	771.3	799.4	836.3	869.3
10°	654.3	654.7	662.6	675.4	696.5	701.3	733.0	773.0	819.2	864.0
12.5°	628.3	631.4	634.9	644.6	664.8	667.9	701.8	748.8	802.0	861.0
15°	628.3	630.5	632.7	637.6	653.8	656.5	686.4	733.4	793.2	862.3
17.5°	634.9	638.5	636.7	642.4	659.6	661.3	687.7	729.0	792.8	870.6
20°	650.8	653.4	649.9	653.4	670.6	674.1	701.3	737.4	800.3	885.1
22.5°	675.8	677.2	668.8	671.4	689.0	693.4	725.1	761.1	818.3	908.4
25°	707.5	710.1	697.4	700.5	717.2	722.4	758.9	796.8	846.9	940.5
27.5°	744.0	745.3	734.3	733.9	755.4	762.9	799.8	840.7	885.1	981.0
30°	785.8	789.7	779.2	777.4	804.7	810.8	847.3	894.8	941.4	1041.7
32.5°	818.7	821.8	815.7	820.1	847.8	852.6	904.9	971.3	1029.8	1127.9
35°	866.2	868.0	853.9	861.8	893.5	905.8	983.6	1078.6	1141.0	1236.0
37.5°	1038.2	1038.2	978.4	939.2	969.6	980.6	1091.4	1213.6	1278.2	1381.1
40°	1276.0	1272.1	1184.6	1104.6	1100.6	1122.1	1244.8	1383.8	1455.4	1555.3
42.5°	1529.8	1523.6	1404.4	1325.3	1312.1	1319.6	1422.0	1593.5	1666.5	1767.6
45°	1754.9	1753.1	1644.1	1537.7	1513.9	1537.7	1643.2	1838.9	1891.2	1997.6
47.5°	1943.5	1943.5	1863.9	1794.5	1782.1	1796.2	1942.6	2111.0	2106.2	2242.5
50°	2160.7	2159.0	2083.3	2053.4	2066.2	2086.0	2287.4	2397.7	2328.7	2483.0
52.5°	2312.9	2323.4	2297.5	2292.6	2357.7	2392.0	2637.4	2678.3	2527.9	2711.3
55°	2433.4	2445.7	2475.6	2509.4	2634.7	2679.6	2976.4	2944.3	2694.5	2909.1
57.5°	2604.0	2586.4	2632.5	2699.4	2902.1	2956.2	3304.9	3195.4	2828.7	3069.6
60°	2811.1	2813.7	2821.6	2906.0	3169.0	3238.5	3628.5	3432.8	2914.8	3168.1
62.5°	3059.9	3063.9	3080.2	3209.9	3527.4	3592.9	3973.2	3627.2	2954.4	3140.4
65°	3042.8	3059.5	3241.1	3684.8	4072.2	4136.8	4375.6	3763.5	2894.6	2887.1
67.5°	2771.9	2799.2	3103.0	4252.0	4893.5	4965.6	4861.9	3790.3	2636.5	2245.2
70°	2416.6	2426.3	2791.7	4762.1	5844.6	5917.6	5297.2	3495.3	2000.7	1252.3
72.5°	1887.2	1889.4	2318.2	4880.3	6360.8	6364.8	4955.5	2594.7	1076.0	481.0
75°	1348.2	1335.0	1552.6	3957.8	5596.2	5641.0	3715.1	1217.1	411.1	227.3
77.5°	722.9	737.4	878.5	2347.2	3865.9	3942.4	2027.1	350.9	209.3	154.8
80°	223.4	235.7	360.1	1074.7	2189.8	2235.9	751.5	156.1	146.0	110.4
82.5°	70.4	73.0	168.0	451.6	908.9	930.0	217.7	88.4	99.8	73.0
85°	20.2	20.7	74.8	168.4	224.7	229.1	61.1	34.3	57.2	45.3
87.5°	2.2	7.0	28.1	28.1	19.8	19.3	6.6	7.5	16.3	5.7
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°
869.7	0°	869.7	869.7	869.7	869.7	869.7	869.7	869.7	869.7	869.7	869.7
873.7	2.5°	871.5	871.9	866.2	856.6	846.0	837.2	826.2	817.4	811.3	809.5
881.6	5°	877.7	874.6	858.3	828.9	793.7	763.3	729.5	702.7	685.1	677.6
890.0	7.5°	886.9	878.1	842.5	784.4	717.2	657.4	596.7	549.6	519.7	504.8
897.9	10°	894.8	877.2	816.1	720.2	617.4	526.8	445.0	388.3	356.6	341.7
907.1	12.5°	902.3	876.8	781.8	644.2	504.8	394.0	317.9	289.8	281.0	277.9
922.1	15°	916.4	878.1	738.7	557.1	392.7	297.7	270.0	269.5	271.3	270.4
944.9	17.5°	935.7	879.4	689.9	464.8	303.0	262.5	261.2	265.1	267.8	266.5
973.5	20°	960.8	884.7	638.0	373.3	260.3	253.7	256.8	260.3	262.5	260.3
1011.8	22.5°	995.9	893.9	581.3	299.9	246.7	248.4	251.1	255.0	257.2	254.2
1060.6	25°	1039.0	908.4	525.5	260.7	240.1	242.3	246.2	250.6	253.3	250.2
1122.1	27.5°	1094.9	931.7	474.0	252.0	233.5	234.8	240.5	247.1	250.6	246.7
1209.6	30°	1175.8	970.0	429.6	255.9	229.5	226.5	234.4	243.6	247.6	244.0
1328.8	32.5°	1283.1	1024.1	402.3	262.1	227.8	216.8	224.3	236.1	242.7	240.5
1484.5	35°	1423.8	1106.3	391.8	269.1	226.5	206.7	211.9	224.7	236.1	238.3
1680.6	37.5°	1594.4	1220.6	394.9	272.2	222.5	198.3	200.9	211.9	226.9	233.9
1901.3	40°	1788.3	1353.9	412.4	269.1	218.1	191.3	191.7	200.1	213.3	223.8
2138.7	42.5°	1988.4	1509.5	445.0	257.7	214.1	185.1	183.8	189.5	198.3	205.8
2375.8	45°	2178.8	1669.6	477.1	241.8	209.3	179.0	175.9	178.1	179.8	182.9
2606.6	47.5°	2345.0	1782.1	467.9	227.3	202.7	171.9	166.7	165.8	160.5	160.1
2812.8	50°	2459.7	1806.8	415.5	212.8	193.0	164.0	155.7	150.4	141.1	136.7
2967.2	52.5°	2496.2	1709.6	339.5	198.3	177.2	153.5	141.6	133.2	121.8	117.8
3056.0	55°	2447.9	1519.2	271.3	180.7	155.2	139.4	126.2	115.2	106.0	101.1
3065.7	57.5°	2329.6	1276.9	214.6	160.1	131.9	123.6	110.4	99.4	91.5	86.6
2958.4	60°	2133.5	1014.0	169.7	135.4	112.6	106.4	92.8	85.7	78.7	73.0
2681.4	62.5°	1835.8	723.8	133.2	107.3	94.1	87.1	79.1	73.9	65.5	57.6
2183.2	65°	1432.6	442.8	102.9	78.7	75.6	72.1	67.3	62.4	52.3	44.4
1424.2	67.5°	903.6	209.7	73.4	59.4	59.8	58.0	55.8	51.9	44.4	37.4
638.0	70°	397.9	101.6	48.4	45.3	44.4	44.4	46.2	44.9	37.8	31.2
221.6	72.5°	135.4	54.5	36.1	34.3	32.1	31.7	38.7	37.4	30.3	24.2
110.4	75°	70.8	36.5	26.4	24.6	19.3	23.3	30.8	29.0	21.5	15.8
73.0	77.5°	46.2	25.9	18.0	15.8	11.0	15.4	22.9	20.2	12.8	7.9
47.9	80°	29.0	17.1	10.6	7.5	5.3	8.4	12.3	8.8	4.8	1.8
28.1	82.5°	15.4	8.8	4.0	2.6	2.2	2.6	3.1	2.2	0.9	0.0
14.5	85°	6.2	3.1	1.3	0.9	0.4	0.0	0.9	0.4	0.0	0.0
2.6	87.5°	2.2	0.4	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

<u>180°</u>
869.7
812.6
680.2
507.0
342.1
277.0
270.0
266.0
259.9
253.7
249.8
246.7
243.6
240.5
238.3
235.7
227.3
208.9
184.7
159.6
137.2
117.4
101.1
85.7
71.7
56.3
43.1
36.5
29.9
22.9
14.5
7.0
1.3
0.0
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