

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: P940284

Luminaire Tested: **GALN-SB3B-740-U-T2-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940284
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-SB3B-740-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 4000K, 450mA 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: 13053 lumens
Efficiency: N/A
Efficacy: 119.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

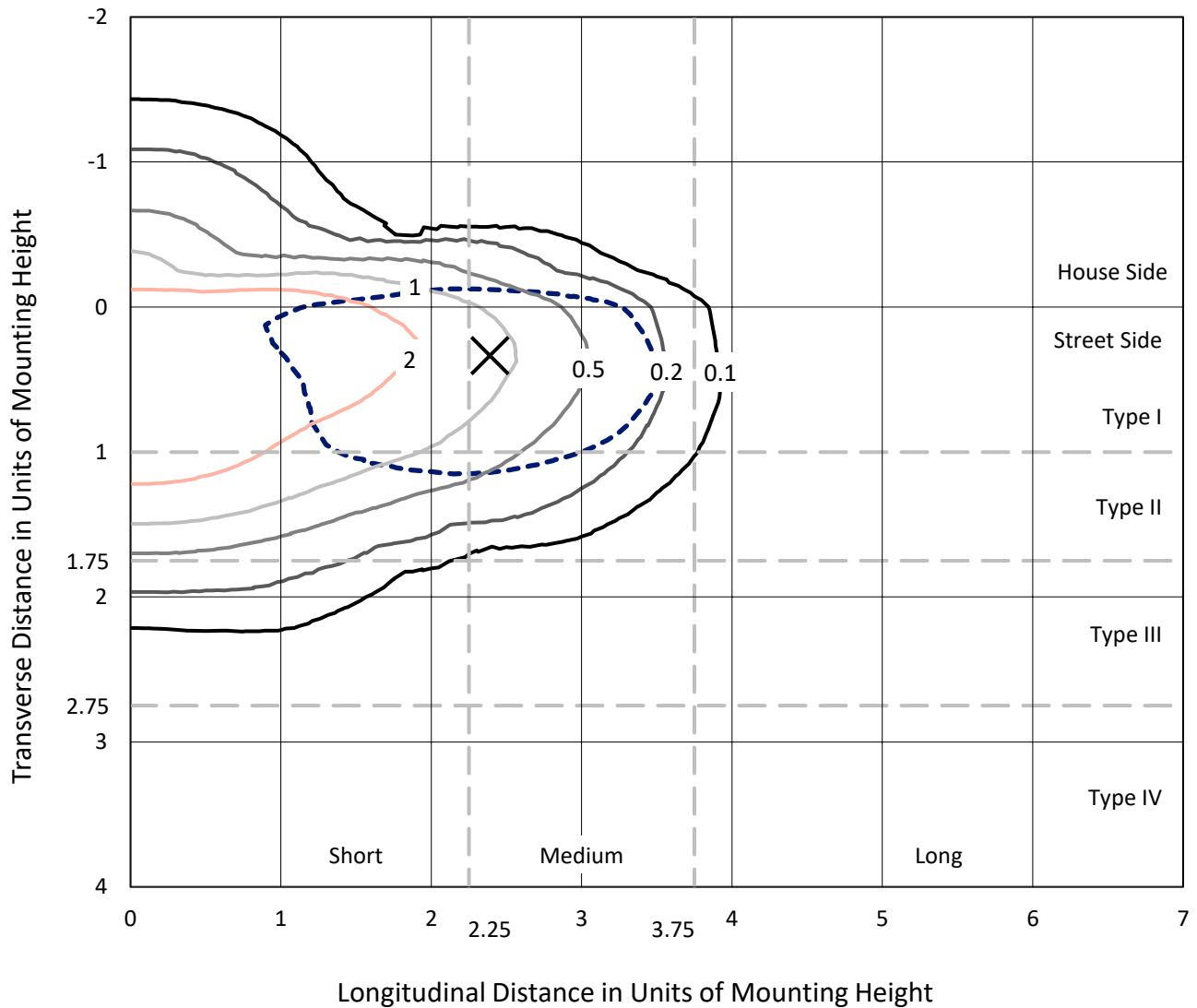
Input Watts (W): 109.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

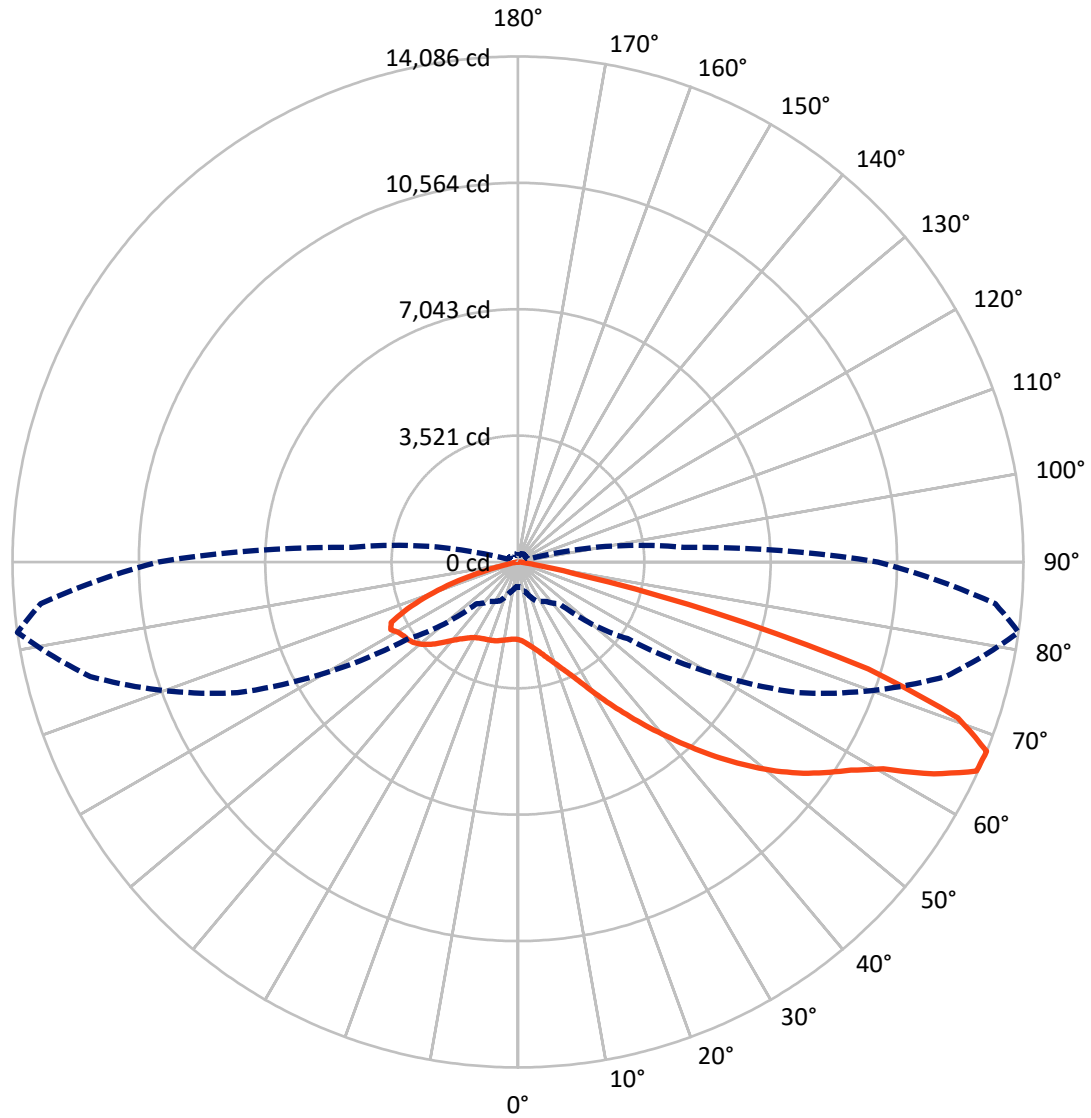
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.6 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
House Side	Lumens	2364.4	0.0	2364.4
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	10688.6	0.0	10688.6
	% Fixture	81.9	0.0	81.9
Total	Lumens	13053.0	0.0	13053.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	192.7	1.5
10°-20°	500.6	3.8
20°-30°	801.9	6.1
30°-40°	1417.9	10.9
40°-50°	2484.4	19.0
50°-60°	3313.5	25.4
60°-70°	3084.7	23.6
70°-80°	1183.9	9.1
80°-90°	73.5	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°	13053.0	100.0
0°-180°	13053.0	100.0

Coefficient of Utilization



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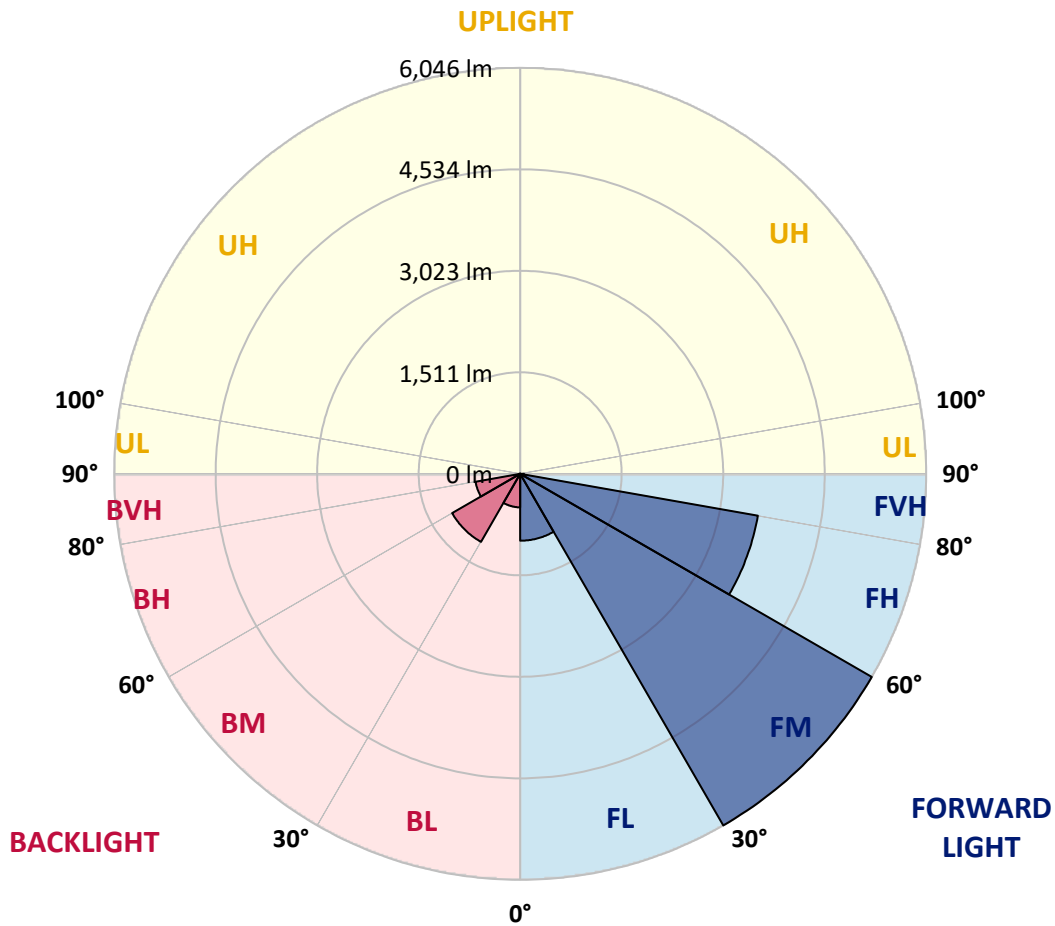
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	995.8	7.6			
FM (30°-60°)	6045.6	46.3			
FH (60°-80°)	3593.7	27.5			G2/5000
FVH (80°-90°)	53.5	0.4			G1/100
BL (0°-30°)	499.4	3.8	B1/500		
BM (30°-60°)	1170.2	9.0	B2/2500		
BH (60°-80°)	674.9	5.2	B2/1000		G2/1000
BVH (80°-90°)	20.1	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°	2162.4	2162.4	2162.4	2162.4	2162.4	2162.4	2162.4	2162.4	2162.4	2162.4
2.5°	2285.6	2298.7	2291.2	2287.4	2280.9	2271.5	2263.9	2240.4	2216.0	2200.0
5°	2331.6	2344.8	2343.8	2347.6	2352.3	2355.1	2353.2	2326.9	2292.1	2264.9
7.5°	2292.1	2307.2	2319.4	2338.2	2371.1	2405.8	2422.8	2417.1	2381.4	2343.8
10°	2180.3	2196.3	2225.4	2269.6	2339.1	2414.3	2477.3	2506.4	2483.8	2442.5
12.5°	1975.4	1991.4	2048.7	2144.6	2261.1	2391.7	2512.0	2590.0	2595.7	2554.3
15°	1745.2	1761.2	1822.2	1942.5	2120.2	2329.7	2530.8	2678.4	2728.2	2692.5
17.5°	1602.3	1616.4	1662.5	1759.3	1944.4	2205.7	2524.3	2772.4	2886.1	2857.9
20°	1559.1	1571.3	1592.9	1660.6	1814.7	2076.9	2481.0	2860.7	3056.2	3040.2
22.5°	1605.1	1616.4	1623.0	1653.1	1749.9	1992.3	2426.5	2950.9	3253.5	3255.4
25°	1711.3	1722.6	1715.1	1733.9	1776.2	1966.0	2405.8	3057.1	3501.6	3522.3
27.5°	1886.1	1887.1	1869.2	1868.3	1874.9	2005.5	2427.5	3170.8	3814.6	3853.1
30°	2236.7	2222.6	2154.0	2079.7	2045.9	2123.9	2487.6	3305.2	4183.9	4252.5
32.5°	2777.1	2756.4	2630.5	2452.8	2274.3	2314.7	2595.7	3458.4	4586.1	4710.2
35°	3363.5	3357.8	3226.3	2962.2	2650.2	2586.3	2771.4	3659.5	5025.0	5222.4
37.5°	3908.6	3905.7	3830.6	3519.5	3139.8	2965.0	3053.4	3922.7	5494.9	5780.6
40°	4406.6	4415.1	4339.9	4061.7	3679.2	3450.9	3436.8	4247.8	6017.4	6388.6
42.5°	4837.1	4846.5	4770.3	4564.5	4212.1	3988.4	3907.6	4646.3	6527.7	7041.8
45°	5129.3	5187.6	5176.3	5011.9	4759.1	4526.9	4473.4	5146.3	7109.5	7734.4
47.5°	5212.0	5265.6	5350.2	5372.7	5218.6	4990.2	5054.2	5748.7	7697.8	8428.0
50°	5008.1	5057.9	5233.7	5467.7	5574.8	5504.3	5619.0	6394.3	8300.2	9119.7
52.5°	4605.9	4656.6	4878.4	5248.7	5685.7	5907.5	6185.7	7030.5	8883.8	9774.7
55°	4024.2	4077.7	4362.5	4781.6	5474.2	6073.8	6658.4	7665.8	9418.5	10363.9
57.5°	3232.9	3272.3	3568.4	4154.8	4942.3	5908.4	7007.0	8359.4	9922.2	10942.8
60°	2107.0	2141.8	2485.7	3139.8	4060.8	5355.8	7076.6	9132.8	10591.4	11695.6
62.5°	1401.2	1424.7	1628.6	2108.9	2859.8	4294.8	6669.6	9750.2	11572.5	13005.7
65°	961.4	984.9	1188.8	1523.4	1847.6	2841.0	5499.6	9668.5	12461.5	14046.0
67.5°	686.0	705.8	878.7	1194.5	1337.3	1650.3	3728.1	8623.4	12333.7	14085.5
70°	491.5	502.8	645.6	930.4	1062.9	991.5	2073.2	6595.4	10799.0	13006.6
72.5°	344.0	347.7	448.3	708.6	856.1	723.6	986.8	4397.2	8167.7	10208.9
75°	233.1	237.8	301.7	519.7	687.0	552.6	522.5	2357.9	4794.8	5650.9
77.5°	142.8	144.7	194.5	355.2	514.1	421.0	336.4	999.0	1855.1	1821.3
80°	80.8	80.8	124.1	220.8	350.5	271.6	235.9	424.8	587.4	515.9
82.5°	45.1	46.0	90.2	137.2	232.1	160.7	129.7	196.4	253.7	224.6
85°	18.8	20.7	55.4	64.8	110.9	79.9	52.6	82.7	94.0	83.6
87.5°	1.9	2.8	16.9	12.2	13.2	16.0	7.5	16.0	13.2	13.2
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°
2162.4	0°	2162.4	2162.4	2162.4	2162.4	2162.4	2162.4	2162.4	2162.4	2162.4	2162.4
2194.4	2.5°	2176.5	2162.4	2126.7	2085.4	2030.9	2004.6	1968.8	1944.4	1923.7	1925.6
2248.9	5°	2218.8	2183.1	2103.2	2003.6	1879.6	1791.2	1697.2	1632.4	1579.8	1568.5
2324.1	7.5°	2277.1	2220.7	2080.7	1901.2	1691.6	1532.8	1390.9	1299.7	1234.9	1214.2
2415.2	10°	2352.3	2270.5	2051.5	1772.4	1470.8	1268.7	1116.5	1045.0	1000.9	985.8
2522.4	12.5°	2439.7	2327.8	2013.0	1615.5	1243.3	1048.8	952.0	916.3	902.2	897.5
2653.9	15°	2549.6	2399.3	1954.7	1429.4	1050.7	914.4	873.1	868.4	870.2	868.4
2811.8	17.5°	2680.3	2477.3	1859.8	1237.7	921.0	845.8	830.8	834.5	839.2	838.3
2988.5	20°	2823.1	2554.3	1738.6	1067.6	832.6	796.9	788.5	792.2	796.0	794.1
3192.4	22.5°	2985.7	2637.0	1604.2	935.1	773.4	751.8	742.4	743.4	743.4	739.6
3450.9	25°	3180.2	2728.2	1463.2	841.1	728.3	711.4	700.1	696.4	690.7	679.5
3764.8	27.5°	3412.4	2825.0	1327.9	775.3	692.6	676.6	663.5	654.1	640.0	621.2
4141.6	30°	3673.6	2942.5	1213.3	734.0	664.4	648.5	633.4	619.3	598.6	575.1
4574.9	32.5°	3980.9	3068.4	1129.6	706.7	639.1	622.1	604.3	587.4	564.8	541.3
5061.7	35°	4347.4	3220.6	1080.8	687.9	619.3	596.8	577.0	558.2	541.3	520.6
5590.8	37.5°	4745.0	3382.3	1065.7	678.5	606.2	571.4	548.8	535.7	533.8	521.6
6163.1	40°	5180.1	3574.0	1077.0	672.9	592.1	547.0	522.5	519.7	524.4	502.8
6774.9	42.5°	5640.6	3801.4	1095.8	666.3	572.3	522.5	499.0	499.0	495.3	465.2
7421.5	45°	6138.7	4063.6	1114.6	650.3	548.8	498.1	480.2	473.7	457.7	428.5
8071.8	47.5°	6640.5	4330.5	1128.7	621.2	520.6	477.4	461.4	446.4	422.9	396.6
8709.9	50°	7117.0	4570.2	1113.6	578.0	488.7	457.7	440.8	420.1	394.7	376.9
9314.2	52.5°	7542.7	4777.9	1049.7	527.2	454.9	437.0	422.0	400.3	379.7	360.9
9859.3	55°	7913.0	4946.1	937.0	479.3	424.8	419.1	404.1	376.9	348.7	332.7
10399.6	57.5°	8268.2	5073.9	796.0	439.8	397.5	399.4	376.9	352.4	326.1	309.2
11128.0	60°	8740.9	5244.9	653.1	403.2	368.4	374.0	349.6	331.7	298.9	277.2
12376.9	62.5°	9496.5	5510.9	518.8	358.1	334.6	336.4	326.1	304.5	265.0	239.6
13302.6	65°	10096.1	5413.1	408.8	309.2	296.0	298.9	298.9	275.4	233.1	203.9
13352.4	67.5°	10028.4	4635.0	326.1	261.3	259.4	261.3	267.8	248.1	206.8	183.3
12335.6	70°	9238.1	3686.8	261.3	217.1	225.5	220.8	239.6	226.5	186.1	162.6
9563.2	72.5°	7538.0	2655.8	199.2	179.5	172.9	180.4	216.2	203.9	155.1	128.8
5065.4	75°	4404.8	1417.2	148.5	141.9	125.0	150.4	191.7	173.9	118.4	94.9
1552.5	77.5°	1434.1	494.3	109.0	104.3	93.0	121.2	163.5	146.6	96.8	75.2
454.9	80°	384.4	149.4	74.2	68.6	60.1	90.2	129.7	116.5	69.5	48.9
195.5	82.5°	154.1	63.0	43.2	38.5	32.9	62.0	102.4	94.0	51.7	31.0
61.1	85°	49.8	20.7	16.0	12.2	15.0	38.5	61.1	63.9	36.7	16.0
9.4	87.5°	6.6	2.8	2.8	3.8	2.8	6.6	18.8	17.9	10.3	1.9
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>
2162.4
1906.8
1543.1
1193.5
974.6
894.7
867.4
836.4
793.2
737.7
677.6
619.3
573.3
542.3
518.8
520.6
503.7
465.2
427.6
395.6
374.0
359.0
330.8
307.3
274.4
237.8
201.1
179.5
159.8
125.9
92.1
72.4
47.9
31.0
12.2
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