

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: P954099

Luminaire Tested: **GALN-SB7B-950-U-SL3**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P954099
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-12)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SB7B-950-U-SL3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 90 CRI, 5000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27227 lumens
Efficiency: N/A
Efficacy: 106.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B3 - U0 - G4

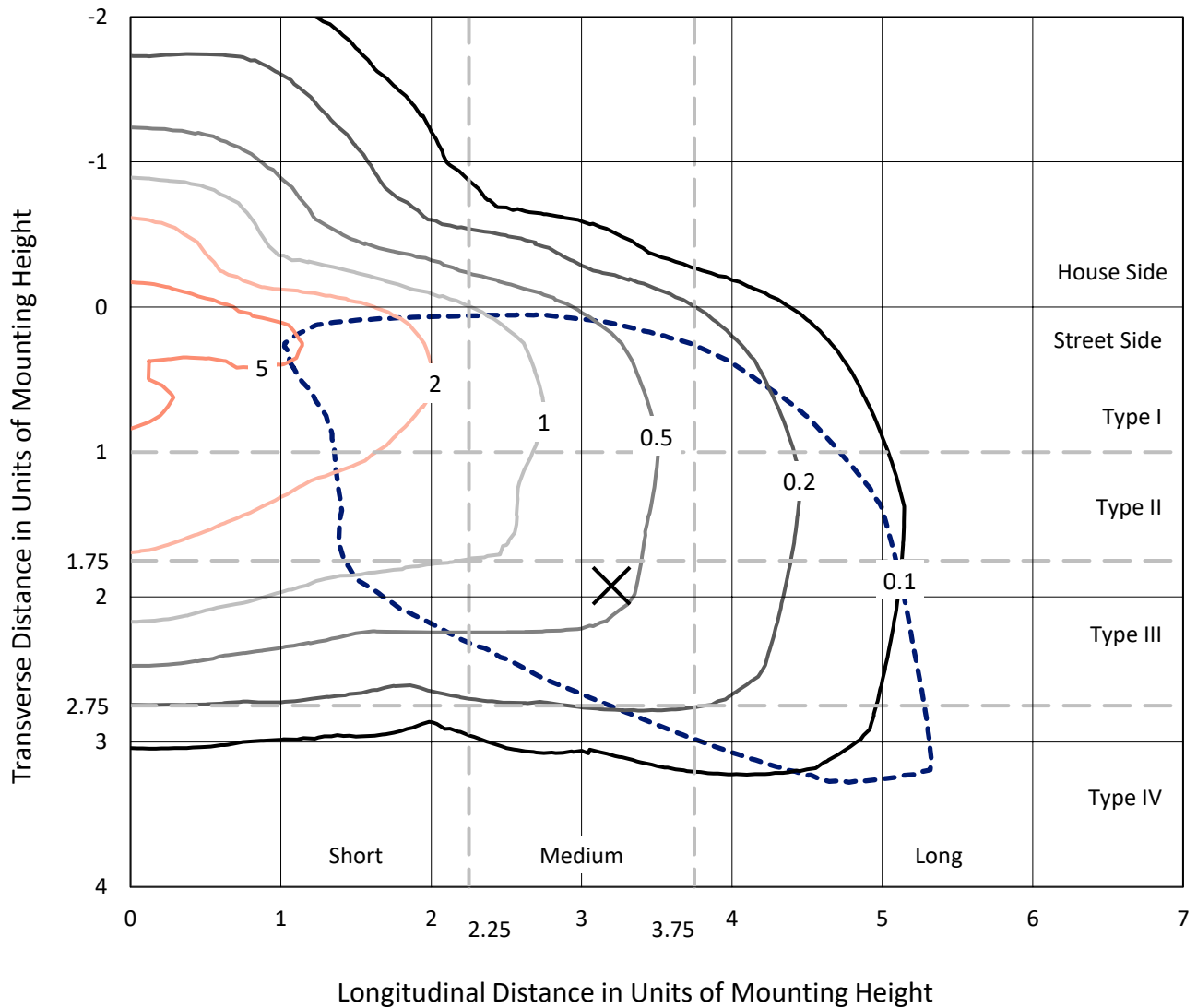
Input Watts (W): 256.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

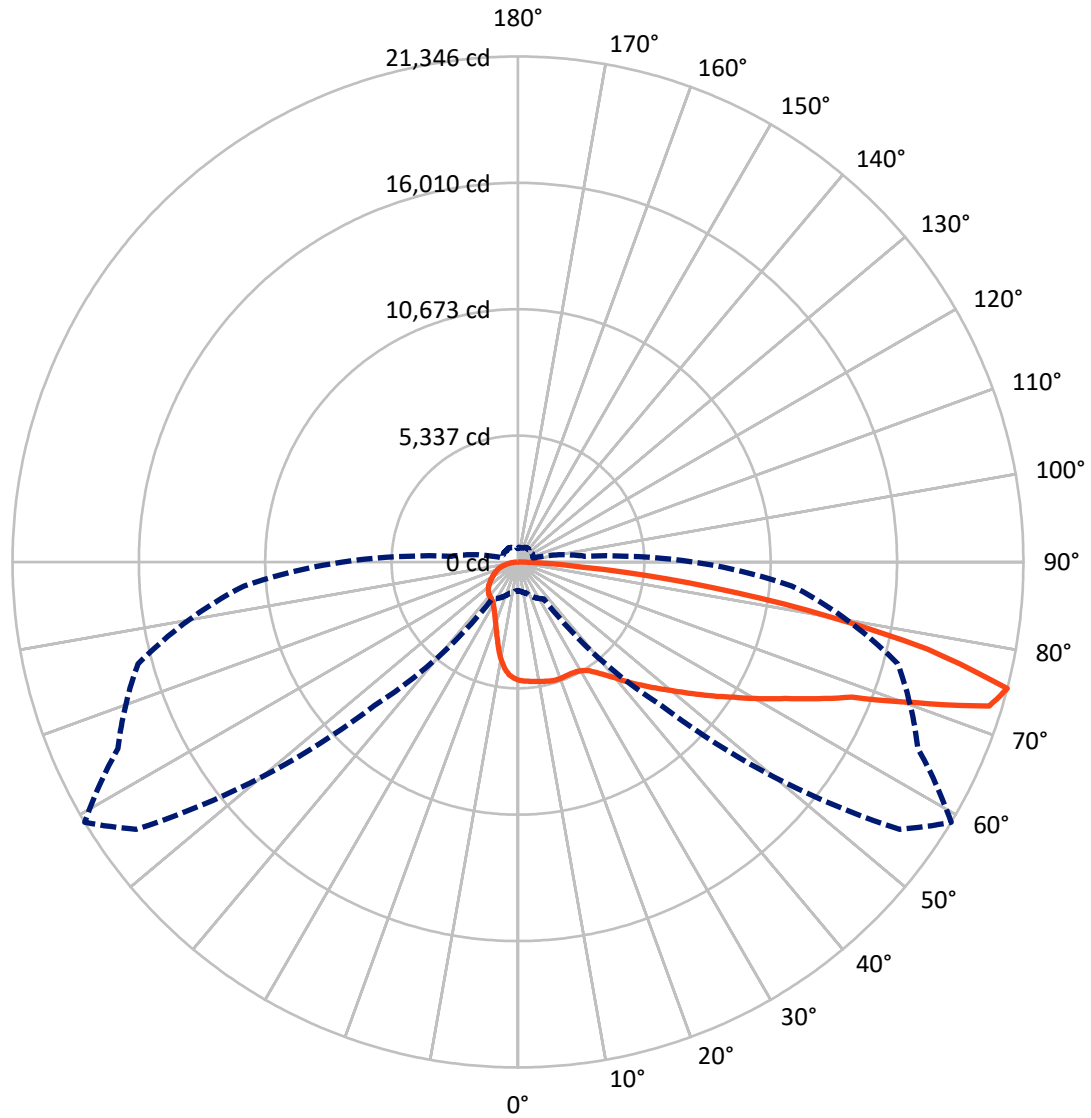
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5106.6	0.0	5106.6
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	22120.4	0.0	22120.4
	% Fixture	81.2	0.0	81.2
Total	Lumens	27227.0	0.0	27227.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	448.1	1.6
10°-20°	1145.4	4.2
20°-30°	1739.7	6.4
30°-40°	2586.1	9.5
40°-50°	3845.9	14.1
50°-60°	5220.4	19.2
60°-70°	6373.3	23.4
70°-80°	5001.7	18.4
80°-90°	866.4	3.2
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°	27227.0	100.0
0°-180°	27227.0	100.0

Coefficient of Utilization



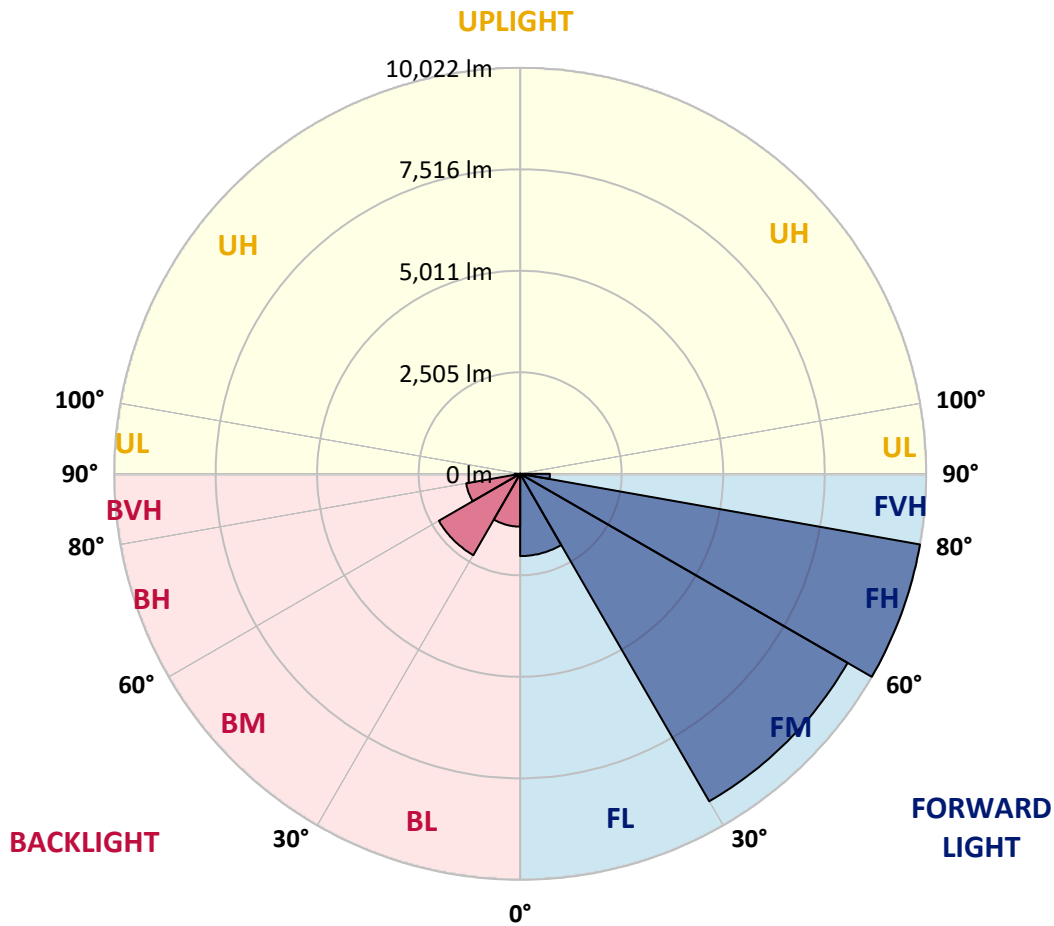
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2030.1	7.5			
FM (30°-60°)	9334.5	34.3			
FH (60°-80°)	10022.0	36.8			G4/12000
FVH (80°-90°)	733.8	2.7			G4/750
BL (0°-30°)	1303.2	4.8	B3/2500		
BM (30°-60°)	2317.9	8.5	B2/2500		
BH (60°-80°)	1352.9	5.0	B3/2500		G3/2500
BVH (80°-90°)	132.6	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°
0°	4997.5	4997.5	4997.5	4997.5	4997.5	4997.5	4997.5	4997.5	4997.5	4997.5
2.5°	5039.9	5022.4	5039.9	5032.6	5029.7	5023.8	5025.3	5035.5	5029.7	5037.0
5°	5006.2	4996.0	5013.6	5009.2	5028.2	5031.1	5050.2	5061.9	5069.2	5070.7
7.5°	4950.6	4940.3	4965.2	4985.7	5026.7	5038.5	5078.0	5097.1	5107.3	5124.9
10°	4747.0	4742.6	4804.1	4881.7	4978.4	5038.5	5098.5	5130.7	5146.9	5193.7
12.5°	4386.7	4392.5	4473.1	4622.5	4815.8	5009.2	5122.0	5168.8	5193.7	5252.3
15°	4042.5	4041.0	4128.9	4288.6	4559.5	4880.3	5133.7	5214.2	5256.7	5343.1
17.5°	3843.3	3837.4	3899.0	4020.5	4272.4	4682.6	5104.4	5239.1	5329.9	5438.3
20°	3806.7	3795.0	3827.2	3887.2	4065.9	4465.8	5028.2	5239.1	5388.5	5529.1
22.5°	3940.0	3920.9	3907.7	3900.4	3979.5	4287.1	4941.8	5221.5	5474.9	5659.5
25°	4208.0	4178.7	4111.3	4045.4	4022.0	4206.5	4865.6	5217.2	5603.8	5835.2
27.5°	4641.5	4604.9	4468.7	4310.5	4168.5	4247.5	4831.9	5243.5	5745.9	6021.3
30°	5179.1	5139.5	4968.2	4725.0	4470.2	4399.9	4874.4	5321.1	5927.5	6268.8
32.5°	5661.0	5617.0	5470.5	5223.0	4878.8	4663.5	5009.2	5469.1	6213.1	6613.0
35°	6088.6	6037.4	5905.6	5677.1	5379.7	5034.1	5252.3	5731.3	6618.8	7172.5
37.5°	6507.5	6447.5	6303.9	6062.3	5854.3	5527.7	5587.7	6068.1	7157.8	7852.1
40°	6976.2	6889.8	6715.5	6476.8	6274.6	6106.2	6028.6	6481.2	7705.6	8610.8
42.5°	7430.3	7348.3	7140.3	6936.7	6683.3	6635.0	6539.8	6964.5	8304.7	9444.2
45°	7919.5	7821.3	7569.4	7311.6	7152.0	6986.5	7034.8	7447.8	8892.0	10293.7
47.5°	8377.9	8268.1	7970.7	7683.7	7595.8	7282.3	7488.9	7979.5	9502.8	11154.9
50°	8625.4	8517.1	8269.5	8010.3	7941.4	7647.0	7981.0	8563.9	10142.8	12013.2
52.5°	8832.0	8714.8	8391.1	8247.6	8227.1	8044.0	8587.4	9231.8	10782.9	12771.9
55°	9051.7	8921.3	8508.3	8379.4	8473.1	8489.2	9306.5	9989.1	11459.6	13511.6
57.5°	9305.1	9139.5	8621.0	8490.7	8713.3	9010.7	10132.6	10774.1	12124.5	14197.0
60°	9543.8	9376.8	8837.8	8667.9	8972.6	9615.6	11080.2	11724.7	12877.4	14807.8
62.5°	9590.7	9453.0	9010.7	9009.2	9324.1	10321.5	12202.2	12684.0	13535.0	15411.3
65°	8779.2	8692.8	8430.6	8996.0	9827.9	11338.0	13451.5	13911.4	14371.3	15938.5
67.5°	6681.8	6693.5	6674.5	7765.7	9420.8	12798.3	15260.4	15225.2	15403.9	16530.3
70°	3055.3	3124.1	3572.3	5360.7	7547.4	12966.7	18251.3	17795.7	16700.2	17296.3
72.5°	1650.7	1703.4	1886.5	2596.9	4537.5	11528.4	20486.3	20810.0	18424.1	17811.9
75°	1211.3	1240.6	1368.0	1650.7	1905.5	8568.3	19685.2	21346.1	18639.4	16609.4
77.5°	906.6	919.8	1023.8	1308.0	975.5	4517.0	15729.1	17678.6	15956.1	13646.3
80°	657.6	672.3	749.9	981.3	684.0	1652.1	10800.5	12408.7	10927.9	8698.7
82.5°	454.0	459.9	493.6	667.9	477.5	641.5	6128.2	7276.5	6100.4	3052.4
85°	273.9	281.2	295.9	389.6	271.0	304.7	2645.2	2736.0	1823.5	729.4
87.5°	112.8	120.1	131.8	164.0	106.9	85.0	436.5	547.8	341.3	213.8
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°
4997.5	0°	4997.5	4997.5	4997.5	4997.5	4997.5	4997.5	4997.5	4997.5	4997.5	4997.5
5012.1	2.5°	5004.8	4994.5	4966.7	4928.6	4893.5	4849.5	4830.5	4814.4	4799.7	4771.9
5051.6	5°	5035.5	5007.7	4933.0	4836.3	4726.5	4606.4	4489.2	4408.7	4339.8	4288.6
5097.1	7.5°	5082.4	5029.7	4893.5	4695.7	4443.8	4186.0	3953.1	3787.6	3663.1	3617.7
5161.5	10°	5130.7	5067.8	4830.5	4481.9	4046.9	3650.0	3340.9	3171.0	3071.4	3039.2
5237.7	12.5°	5187.9	5095.6	4732.3	4184.6	3603.1	3168.1	2898.6	2799.0	2747.7	2730.1
5331.4	15°	5271.3	5119.0	4584.4	3812.5	3179.8	2816.6	2642.3	2573.4	2547.1	2545.6
5428.1	17.5°	5334.3	5123.4	4354.5	3414.1	2854.6	2604.2	2460.6	2434.3	2451.9	2478.2
5523.3	20°	5404.6	5083.9	4052.7	3050.9	2626.2	2418.2	2358.1	2375.7	2418.2	2456.3
5649.2	22.5°	5454.4	5012.1	3688.0	2768.2	2428.4	2311.2	2308.3	2344.9	2368.4	2387.4
5797.2	25°	5498.4	4890.5	3301.4	2531.0	2265.8	2246.8	2279.0	2267.3	2251.2	2267.3
5945.1	27.5°	5530.6	4698.7	2955.7	2323.0	2151.6	2202.9	2183.8	2157.5	2156.0	2164.8
6119.4	30°	5520.3	4442.3	2671.6	2125.2	2071.0	2120.8	2075.4	2071.0	2066.6	2071.0
6381.6	32.5°	5520.3	4150.9	2453.3	1989.0	2019.8	2000.7	1996.3	1986.1	1968.5	1967.1
6737.5	35°	5551.1	3859.4	2265.8	1915.8	1977.3	1931.9	1934.8	1909.9	1873.3	1855.7
7209.1	37.5°	5614.1	3625.1	2079.8	1880.6	1902.6	1901.1	1889.4	1846.9	1782.5	1726.8
7797.9	40°	5766.4	3556.2	1952.4	1864.5	1867.5	1885.0	1854.3	1772.3	1625.8	1535.0
8395.5	42.5°	6005.1	3671.9	1924.6	1825.0	1844.0	1861.6	1801.5	1611.1	1507.1	1453.0
9022.4	45°	6308.3	3874.1	1984.6	1767.9	1788.4	1819.1	1640.4	1549.6	1502.8	1504.2
9643.4	47.5°	6692.1	4086.4	2095.9	1718.1	1707.8	1725.4	1533.5	1477.9	1413.4	1429.5
10239.5	50°	7135.9	4301.7	2201.4	1650.7	1618.5	1561.3	1464.7	1411.9	1329.9	1291.8
10815.1	52.5°	7616.3	4509.7	2243.9	1568.7	1521.8	1455.9	1417.8	1353.4	1253.8	1190.8
11358.5	55°	8071.8	4698.7	2197.0	1470.5	1425.1	1373.9	1368.0	1328.5	1221.5	1133.7
11841.9	57.5°	8502.4	4856.8	2079.8	1370.9	1327.0	1296.2	1335.8	1316.7	1182.0	1069.2
12298.8	60°	8867.1	4965.2	1909.9	1269.9	1239.1	1223.0	1283.1	1277.2	1126.3	1000.4
12708.9	62.5°	9157.1	5007.7	1722.5	1173.2	1165.9	1136.6	1209.8	1209.8	1056.0	933.0
13069.3	65°	9384.1	4966.7	1532.0	1078.0	1092.6	1048.7	1120.5	1111.7	981.3	872.9
13483.8	67.5°	9584.8	4831.9	1321.1	984.3	1017.9	962.3	1026.7	1006.2	899.3	812.9
13842.6	70°	9674.1	4518.5	1080.9	890.5	931.5	877.3	933.0	894.9	807.0	748.4
13448.6	72.5°	8956.5	3755.4	851.0	792.4	827.5	783.6	831.9	788.0	707.4	681.1
11613.4	75°	7409.8	2818.0	654.7	685.5	711.8	678.1	710.4	678.1	604.9	623.9
8578.6	77.5°	5381.2	1902.6	500.9	572.7	584.4	566.8	594.7	558.0	492.1	487.7
4275.4	80°	2676.0	1114.6	392.5	452.6	448.2	436.5	468.7	451.1	395.5	418.9
1154.2	82.5°	774.8	477.5	285.6	317.8	309.0	312.0	335.4	344.2	515.6	511.2
358.8	85°	243.1	187.5	171.4	177.2	168.4	172.8	197.7	392.5	363.2	212.4
111.3	87.5°	63.0	64.4	42.5	45.4	46.9	55.7	63.0	238.7	114.2	74.7
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>
4997.5
4758.7
4246.1
3538.6
2989.4
2734.5
2551.5
2488.5
2469.4
2397.7
2277.6
2179.4
2087.2
1986.1
1873.3
1745.9
1546.7
1453.0
1511.5
1470.5
1302.1
1189.3
1133.7
1063.4
996.0
928.6
867.1
807.0
736.7
659.1
569.8
465.8
414.5
522.9
230.0
79.1
0.0

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