

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: P954741

Luminaire Tested: **GALN-SB7D-927-U-T4W**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P954741  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB7D-927-U-T4W  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 90 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

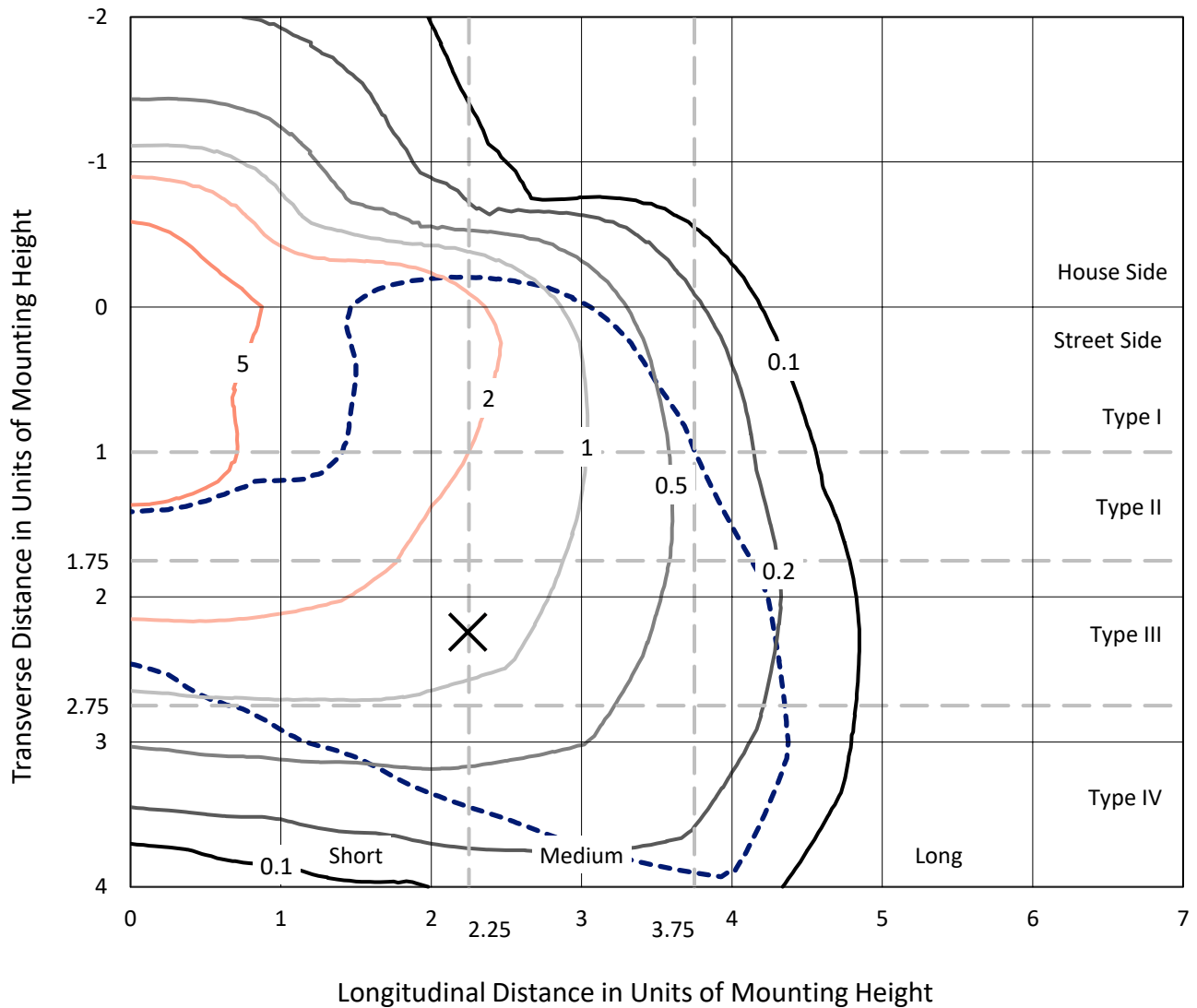
Lumens per Lamp: N/A  
Luminaire Lumens: 43964 lumens  
Efficiency: N/A  
Efficacy: 85.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B4 - U0 - G5  
  
Input Watts (W): 512.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

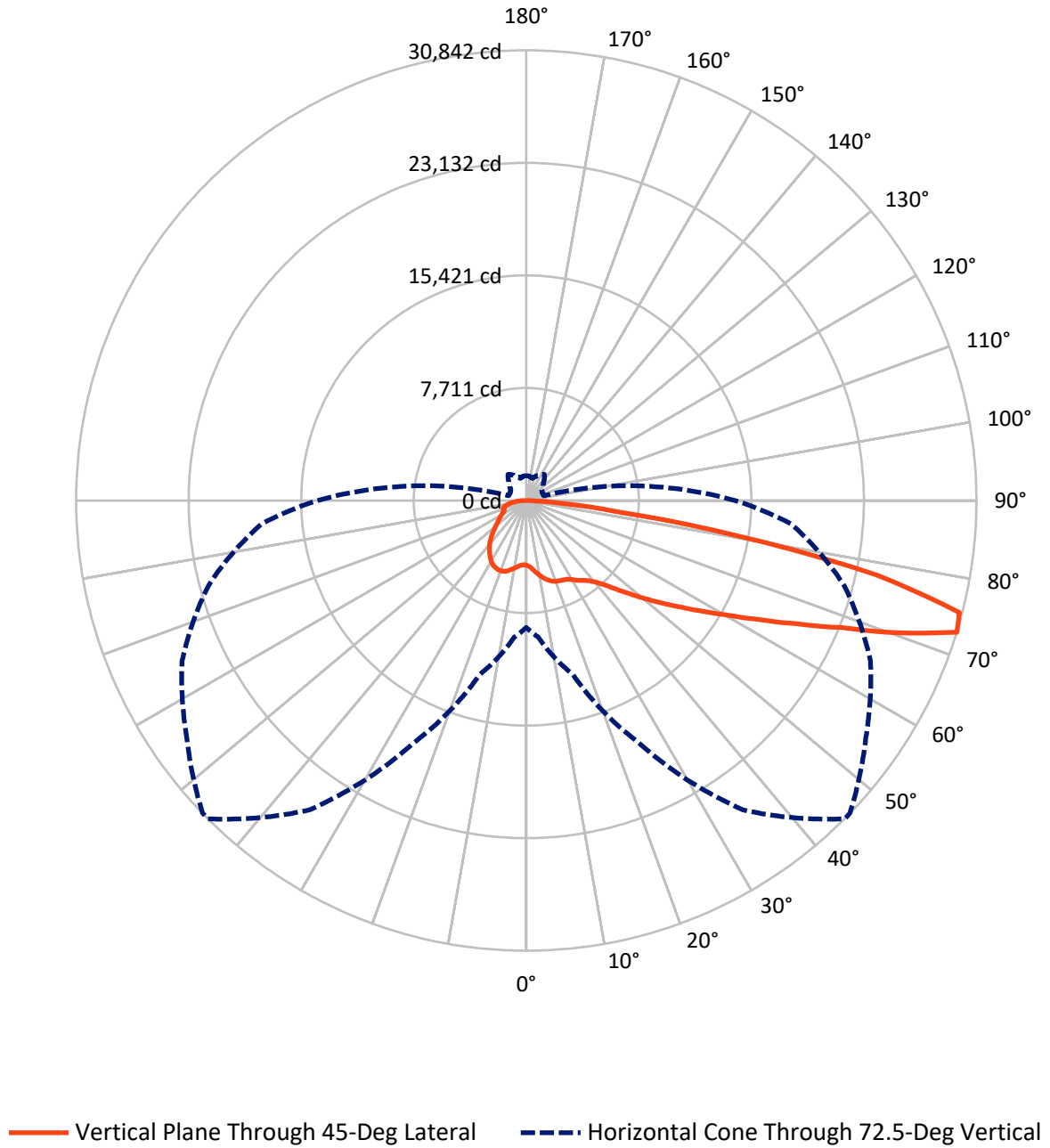
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.8 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	9938.8	0.0	9938.8
	% Fixture	22.6	0.0	22.6
<b>Street Side</b>	Lumens	34025.2	0.0	34025.2
	% Fixture	77.4	0.0	77.4
<b>Total</b>	Lumens	43964.0	0.0	43964.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	451.4	1.0
10°-20°	1505.0	3.4
20°-30°	2618.1	6.0
30°-40°	3753.2	8.5
40°-50°	5284.7	12.0
50°-60°	8094.7	18.4
60°-70°	11726.3	26.7
70°-80°	9364.2	21.3
80°-90°	1166.3	2.7
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°	43964.0	100.0
0°-180°	43964.0	100.0

**Coefficient of Utilization**



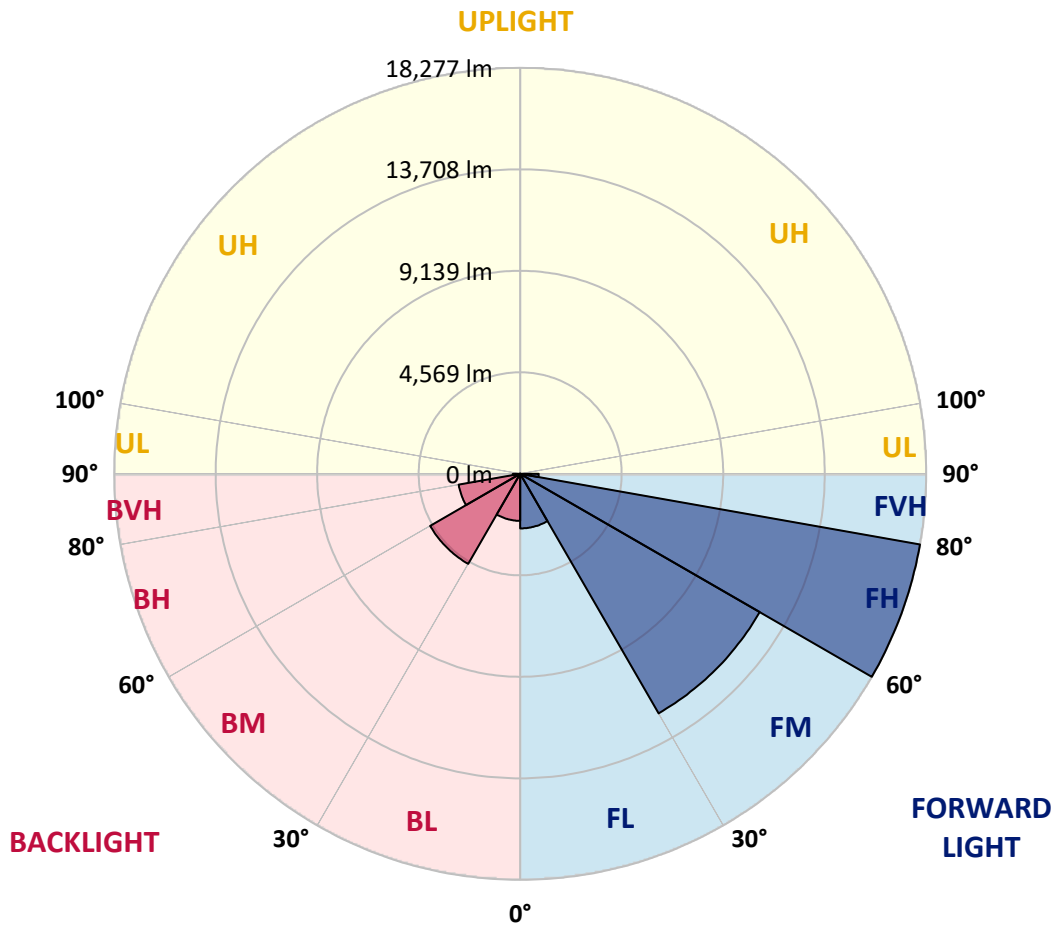
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2458.5	5.6			
FM (30°-60°)	12452.9	28.3			
FH (60°-80°)	18277.1	41.6			G5
FVH (80°-90°)	836.7	1.9			G5
BL (0°-30°)	2116.0	4.8	B3/2500		
BM (30°-60°)	4679.7	10.6	B3/5000		
BH (60°-80°)	2813.4	6.4	B4/5000		G4/5000
BVH (80°-90°)	329.6	0.7			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G5**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°
0°	4435.1	4435.1	4435.1	4435.1	4435.1	4435.1	4435.1	4435.1	4435.1	4435.1
2.5°	4608.8	4638.9	4611.1	4585.7	4574.1	4544.0	4541.6	4523.1	4511.5	4479.1
5°	4930.7	4970.1	4923.8	4872.8	4826.5	4752.4	4743.1	4689.9	4629.7	4560.2
7.5°	5294.3	5329.1	5275.8	5199.4	5118.3	4995.6	4993.3	4896.0	4801.0	4682.9
10°	5611.6	5658.0	5586.2	5481.9	5380.0	5241.1	5224.9	5113.7	4993.3	4840.4
12.5°	5891.9	5924.3	5854.8	5727.4	5609.3	5470.4	5449.5	5326.8	5192.4	5018.7
15°	6114.2	6155.9	6063.2	5926.6	5801.5	5664.9	5646.4	5535.2	5400.9	5217.9
17.5°	6260.1	6294.8	6199.9	6047.0	5926.6	5813.1	5799.2	5706.6	5588.5	5403.2
20°	6315.7	6352.7	6253.2	6098.0	5986.8	5898.8	5891.9	5824.7	5743.6	5574.6
22.5°	6371.3	6406.0	6276.3	6114.2	6016.9	5961.3	5959.0	5915.0	5882.6	5743.6
25°	6595.9	6605.2	6431.5	6197.6	6058.6	6010.0	6007.7	6005.3	6019.2	5910.4
27.5°	6790.5	6788.2	6639.9	6419.9	6204.5	6102.6	6100.3	6123.5	6167.5	6077.1
30°	7075.3	7049.9	6873.8	6644.6	6447.7	6290.2	6276.3	6255.5	6290.2	6218.4
32.5°	7679.8	7598.7	7313.9	6906.3	6649.2	6528.8	6510.2	6380.5	6394.4	6350.4
35°	8546.0	8439.5	8059.6	7401.9	6899.3	6727.9	6718.7	6554.2	6526.4	6487.1
37.5°	9576.6	9444.6	9002.2	8119.8	7330.1	6959.5	6945.6	6797.4	6683.9	6642.2
40°	10611.8	10445.1	10079.2	8995.3	7964.7	7346.3	7302.3	7077.7	6948.0	6878.5
42.5°	11617.0	11478.0	11165.4	9977.3	8747.5	7911.4	7814.1	7429.7	7332.4	7267.6
45°	12506.3	12381.3	12152.0	11026.4	9664.6	8680.3	8585.4	7957.7	7927.6	7927.6
47.5°	13228.9	13201.1	12957.9	12096.4	10746.2	9555.8	9391.3	8691.9	8773.0	8898.0
50°	14030.2	13953.8	13694.4	13150.2	12017.6	10558.6	10424.2	9592.8	9896.2	10239.0
52.5°	14766.7	14808.4	14518.9	14247.9	13453.6	11677.2	11441.0	10655.8	11311.3	11878.7
55°	15524.0	15526.4	15445.3	15408.3	14958.9	12913.9	12654.5	11934.3	12976.5	13680.5
57.5°	16235.1	16239.7	16360.1	16686.7	16705.2	14340.6	14046.5	13504.5	14826.9	15544.9
60°	16869.6	16902.1	17230.9	17995.2	18240.7	15975.7	15697.7	15359.6	16739.9	17462.5
62.5°	17082.7	17200.8	17932.7	19018.9	19757.7	17981.3	17708.0	17506.5	18750.2	19421.9
65°	16721.4	16992.4	18407.5	19864.2	21318.6	20364.5	20093.5	19873.5	20839.2	21471.5
67.5°	15834.4	16184.1	18379.7	20751.2	23213.1	23231.6	22979.2	22462.7	23078.8	23322.0
70°	13497.6	14021.0	16760.8	21082.4	25387.8	27152.6	26909.4	25580.1	25313.7	24137.2
72.5°	8696.5	9400.6	12341.9	18356.5	25871.9	30842.0	30828.1	28394.0	26020.1	22553.1
75°	3172.9	3603.7	5734.4	11522.0	21717.0	30654.4	30744.7	27912.3	23752.7	17420.8
77.5°	1155.7	1264.5	1871.3	4428.2	13356.3	24595.8	24783.4	22314.5	16906.7	8742.8
80°	606.8	667.0	958.8	1718.5	5722.8	14606.9	14901.0	13261.3	7946.1	2633.3
82.5°	335.8	363.6	537.3	933.3	2577.7	6246.2	6422.2	5238.8	2795.4	1116.3
85°	180.6	192.2	252.4	509.5	1259.9	2165.4	2214.1	1565.6	1114.0	655.4
87.5°	53.3	64.8	83.4	162.1	493.3	486.4	497.9	310.3	440.0	331.2
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°
4435.1	0°	4435.1	4435.1	4435.1	4435.1	4435.1	4435.1	4435.1	4435.1	4435.1	4435.1
4469.9	2.5°	4456.0	4449.0	4423.5	4412.0	4398.1	4395.7	4407.3	4409.6	4412.0	4414.3
4520.8	5°	4497.6	4474.5	4451.3	4437.4	4442.1	4444.4	4467.5	4483.7	4495.3	4504.6
4615.8	7.5°	4578.7	4560.2	4520.8	4518.5	4525.4	4546.3	4576.4	4613.4	4634.3	4650.5
4738.5	10°	4699.1	4664.4	4618.1	4625.0	4638.9	4669.0	4731.6	4761.7	4796.4	4826.5
4889.0	12.5°	4821.9	4791.8	4738.5	4743.1	4766.3	4819.6	4879.8	4916.8	4940.0	4963.2
5051.2	15°	4981.7	4928.4	4870.5	4870.5	4912.2	4970.1	4997.9	5028.0	5041.9	5067.4
5224.9	17.5°	5146.1	5076.6	5000.2	4995.6	5046.5	5074.3	5090.5	5095.2	5099.8	5127.6
5393.9	20°	5310.6	5234.1	5125.3	5116.0	5127.6	5123.0	5120.6	5116.0	5123.0	5157.7
5567.6	22.5°	5472.7	5384.7	5234.1	5192.4	5160.0	5116.0	5113.7	5111.4	5116.0	5150.8
5755.2	25°	5662.6	5556.0	5354.6	5229.5	5120.6	5060.4	5067.4	5069.7	5074.3	5102.1
5949.8	27.5°	5868.7	5750.6	5465.7	5217.9	5021.1	4979.4	4967.8	4974.7	4990.9	5035.0
6144.3	30°	6074.8	5935.9	5567.6	5171.6	4896.0	4838.1	4801.0	4817.2	4868.2	4912.2
6313.4	32.5°	6262.4	6123.5	5648.7	5069.7	4736.2	4645.9	4597.2	4618.1	4669.0	4685.2
6501.0	35°	6482.4	6325.0	5683.4	4907.6	4562.5	4423.5	4358.7	4328.6	4354.1	4337.8
6721.0	37.5°	6727.9	6563.5	5678.8	4694.5	4358.7	4198.9	4108.6	3995.1	3941.8	3886.2
7045.2	40°	7091.5	6855.3	5623.2	4437.4	4106.2	3960.3	3798.2	3606.0	3485.6	3376.7
7568.6	42.5°	7587.2	7260.6	5521.3	4154.9	3821.4	3684.7	3464.7	3240.1	3050.2	2869.5
8363.0	45°	8326.0	7791.0	5393.9	3853.8	3513.3	3379.0	3140.5	2888.0	2672.6	2441.0
9490.9	47.5°	9391.3	8504.3	5273.5	3511.0	3189.1	3066.4	2851.0	2617.1	2362.3	2137.7
11121.4	50°	10855.0	9528.0	5162.3	3177.5	2869.5	2776.9	2605.5	2366.9	2109.9	1929.2
13032.0	52.5°	12717.1	10919.9	5116.0	2855.6	2570.7	2536.0	2399.4	2177.0	1933.8	1781.0
15260.0	55°	14854.7	12585.1	5116.0	2547.6	2309.0	2320.6	2225.7	2019.5	1808.8	1672.1
17557.5	57.5°	17036.4	14271.1	5023.4	2262.7	2086.7	2135.3	2075.1	1894.5	1704.6	1563.3
19973.1	60°	19046.7	15683.9	4648.2	2003.3	1889.8	1966.3	1926.9	1771.7	1540.1	1422.0
21992.6	62.5°	20591.4	16480.6	3925.6	1797.2	1727.7	1815.7	1794.9	1609.6	1510.0	1461.4
23650.8	65°	21365.0	16350.9	3001.5	1614.2	1591.1	1727.7	1683.7	1676.8	1598.0	1542.4
24190.5	67.5°	20890.2	15234.6	2177.0	1479.9	1512.3	1646.7	1815.7	1843.5	1697.6	1588.8
22671.2	70°	18808.1	13215.0	1621.2	1352.5	1412.8	1649.0	2070.5	1929.2	1665.2	1537.8
18182.8	72.5°	14308.2	9854.5	1257.6	1218.2	1283.1	1660.6	2184.0	1889.8	1572.6	1699.9
11327.5	75°	8182.4	5410.1	1009.8	1053.8	1120.9	1551.7	2126.1	1787.9	1500.8	1561.0
4488.4	77.5°	3119.6	2079.8	833.8	891.7	900.9	1354.9	2033.4	1781.0	1429.0	1394.2
1345.6	80°	1081.6	812.9	690.2	708.7	697.1	1204.3	1950.1	1549.4	1169.6	1046.8
555.8	82.5°	442.4	405.3	546.6	523.4	495.6	935.7	1574.9	1266.8	956.5	845.3
268.7	85°	192.2	257.1	361.3	317.3	287.2	648.5	1262.2	1072.3	808.3	697.1
88.0	87.5°	39.4	97.3	152.9	143.6	148.2	433.1	896.3	762.0	572.0	428.5
0.0	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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180°  
4435.1  
4423.5  
4509.2  
4655.1  
4819.6  
4972.4  
5076.6  
5136.9  
5171.6  
5173.9  
5139.2  
5079.0  
4960.8  
4743.1  
4388.8  
3921.0  
3383.7  
2853.3  
2413.3  
2112.2  
1917.6  
1769.4  
1658.2  
1540.1  
1403.5  
1445.2  
1523.9  
1570.2  
1517.0  
*1686.0*  
1561.0  
1271.5  
1012.1  
836.1  
694.8  
335.8  
0.0

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