

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: P942329

Luminaire Tested: **GALN-SB6B-740-U-T4FT**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942329
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SB6B-740-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 35706 lumens
Efficiency: N/A
Efficacy: 162.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

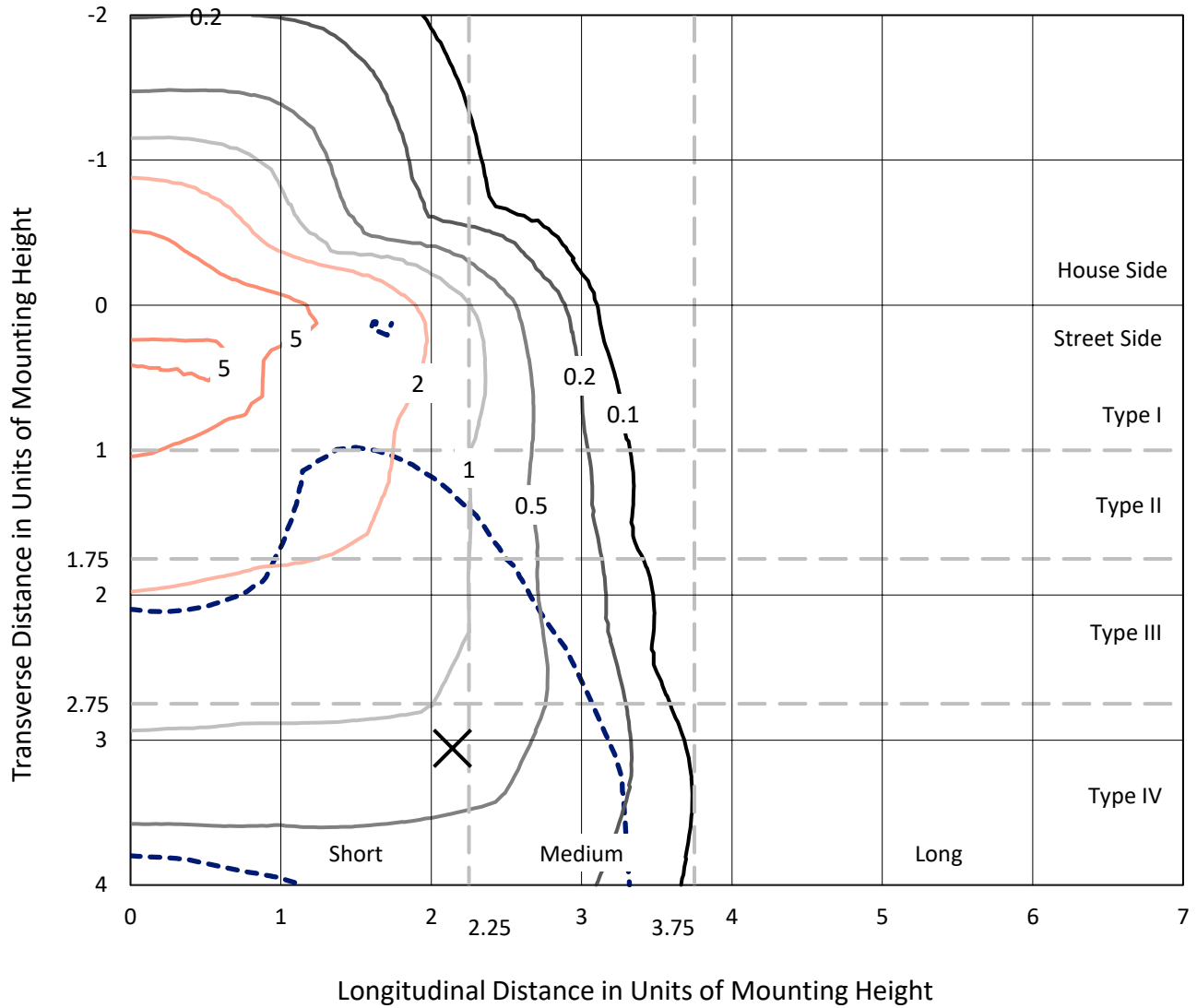
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

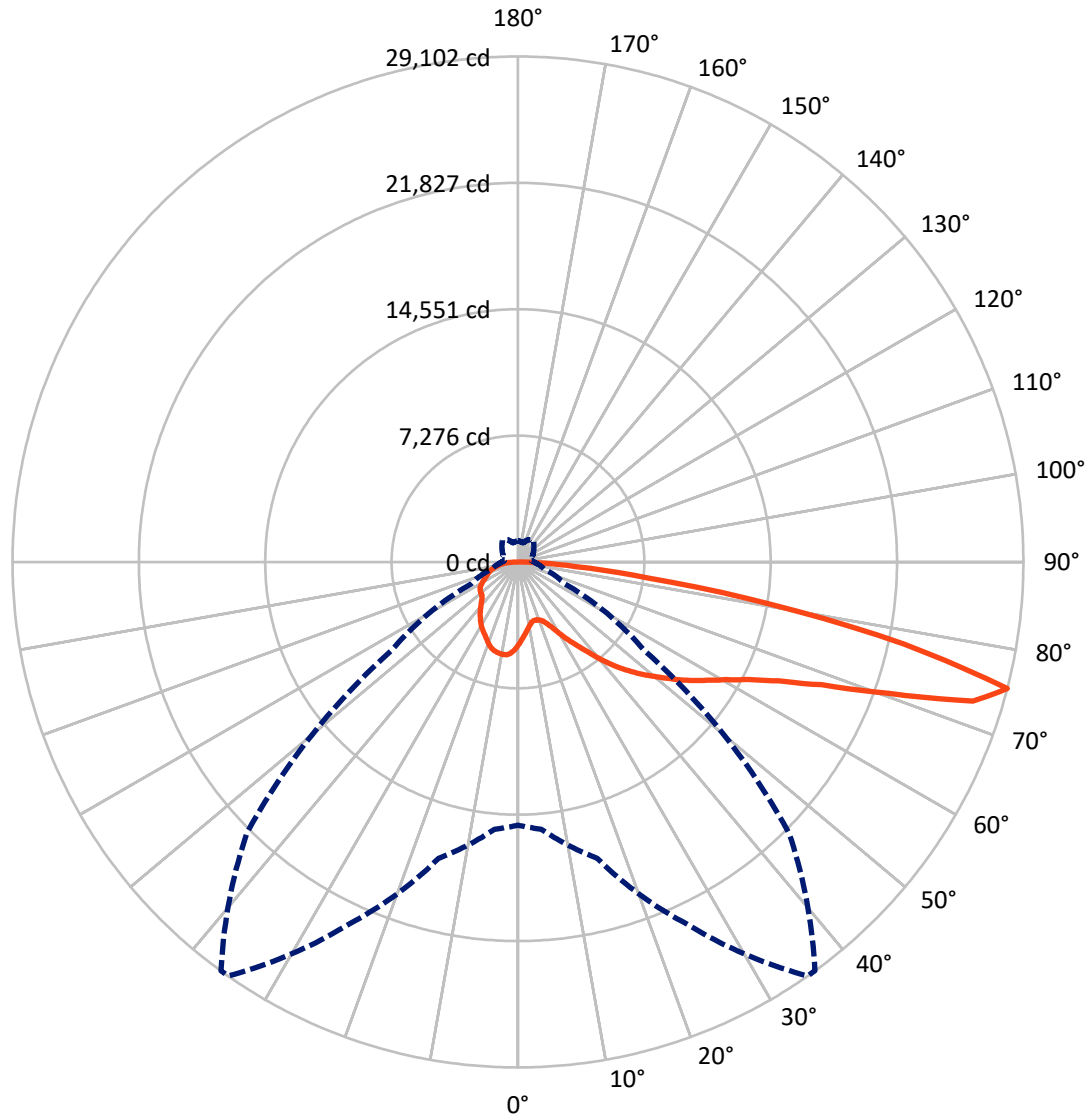
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.4 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8497.1	0.0	8497.1
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	27208.9	0.0	27208.9
	% Fixture	76.2	0.0	76.2
Total	Lumens	35706.0	0.0	35706.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	450.5	1.3
10°-20°	1299.4	3.6
20°-30°	2182.1	6.1
30°-40°	3391.2	9.5
40°-50°	5033.5	14.1
50°-60°	6949.0	19.5
60°-70°	8430.8	23.6
70°-80°	6967.4	19.5
80°-90°	1002.1	2.8
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°	35706.0	100.0
0°-180°	35706.0	100.0

Coefficient of Utilization



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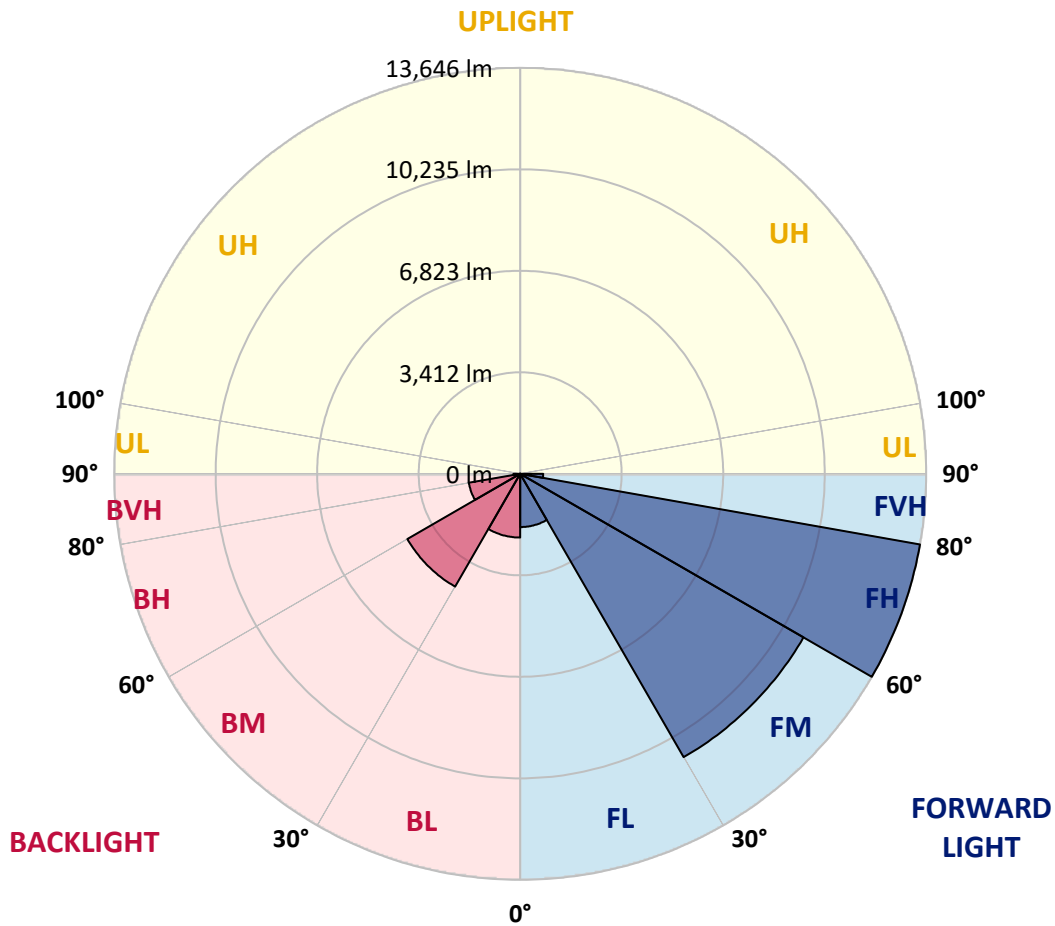
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1790.6	5.0			
FM (30°-60°)	10995.5	30.8			
FH (60°-80°)	13646.3	38.2			G5
FVH (80°-90°)	776.5	2.2			G5
BL (0°-30°)	2141.4	6.0	B3/2500		
BM (30°-60°)	4378.2	12.3	B3/5000		
BH (60°-80°)	1751.8	4.9	B3/2500		G3/2500
BVH (80°-90°)	225.7	0.6			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	4758.1	4758.1	4758.1	4758.1	4758.1	4758.1	4758.1	4758.1	4758.1	4758.1
2.5°	4387.5	4414.5	4426.1	4420.3	4449.2	4445.4	4485.9	4536.1	4605.6	4673.1
5°	4049.7	4078.6	4103.7	4126.9	4182.9	4200.2	4263.9	4360.4	4487.8	4617.2
7.5°	3735.0	3760.1	3798.7	3841.2	3935.8	3953.2	4059.3	4209.9	4387.5	4576.6
10°	3478.3	3503.4	3543.9	3592.2	3709.9	3731.2	3866.3	4067.0	4298.7	4538.0
12.5°	3368.3	3376.0	3399.2	3447.4	3549.7	3563.2	3711.9	3941.6	4211.8	4509.1
15°	3362.5	3377.9	3379.9	3405.0	3489.9	3495.7	3632.7	3860.5	4157.8	4503.3
17.5°	3420.4	3432.0	3414.6	3430.1	3501.5	3511.1	3619.2	3821.9	4140.4	4528.4
20°	3574.8	3584.5	3532.4	3511.1	3563.2	3571.0	3677.1	3847.0	4157.8	4580.5
22.5°	3903.0	3908.8	3781.4	3694.5	3698.4	3702.2	3794.9	3949.3	4225.3	4675.1
25°	4414.5	4410.6	4207.9	4040.0	3943.5	3922.3	3984.0	4115.3	4339.2	4800.5
27.5°	5012.9	4983.9	4781.2	4530.3	4319.9	4289.0	4275.5	4331.5	4501.3	4966.5
30°	5688.4	5661.4	5443.3	5115.2	4823.7	4773.5	4646.1	4617.2	4742.6	5192.4
32.5°	6429.7	6412.3	6151.7	5754.1	5364.2	5306.3	5092.0	5014.8	5113.2	5534.0
35°	7051.2	7035.8	6819.6	6410.4	5933.6	5862.2	5644.1	5557.2	5607.4	5972.2
37.5°	7612.9	7605.2	7419.9	7097.5	6605.3	6518.5	6273.3	6244.4	6234.7	6549.3
40°	8134.1	8114.8	7921.7	7751.9	7387.1	7307.9	7091.7	7066.6	6993.3	7259.7
42.5°	8711.2	8661.0	8381.1	8302.0	8203.6	8137.9	8008.6	8012.5	7850.3	8060.7
45°	9182.2	9153.2	8865.6	8819.3	8925.5	8898.5	9010.4	9039.4	8724.7	8900.4
47.5°	9687.9	9660.9	9417.7	9384.9	9672.5	9680.2	10075.9	10085.6	9577.9	9772.9
50°	10311.4	10272.8	10031.5	10072.0	10394.4	10423.3	11147.2	11081.6	10363.5	10658.8
52.5°	10722.5	10745.7	10693.6	10759.2	11199.3	11226.3	12201.1	12033.2	11141.4	11533.2
55°	11025.6	11071.9	11234.1	11384.6	12048.6	12075.6	13195.2	12938.5	11786.1	12343.9
57.5°	11415.5	11349.9	11652.9	11946.3	12855.5	12926.9	14162.2	13810.9	12357.5	13042.7
60°	11975.3	11928.9	12164.4	12598.7	13758.8	13872.7	15185.3	14596.5	12776.3	13596.7
62.5°	13110.3	12994.4	13031.1	13415.2	14897.7	15048.2	16339.6	15281.8	12984.8	13812.9
65°	14806.9	14608.1	14422.8	14689.2	16501.7	16650.3	17642.5	15820.3	12907.6	13394.0
67.5°	16943.7	16746.8	16519.1	16770.0	18864.3	18982.1	19250.4	16123.4	12299.6	11780.3
70°	18706.1	18632.7	18904.9	19937.6	22638.0	22641.8	21311.9	15872.4	10633.7	8352.2
72.5°	18472.5	18428.1	19862.3	23054.9	27394.1	27291.8	23263.4	13973.1	7163.2	3767.8
75°	15154.4	15442.0	17663.7	22998.9	29102.4	29088.9	22068.5	8883.0	2962.9	1561.6
77.5°	8126.4	8581.9	11467.6	16980.4	22719.0	23060.7	15515.3	3107.7	1272.0	999.9
80°	2650.2	3047.9	4570.8	8645.6	14762.6	14698.9	6649.7	1219.9	870.5	708.4
82.5°	1125.3	1171.7	2042.2	4082.5	7576.2	7458.5	2117.5	700.7	611.9	484.5
85°	440.1	492.2	901.4	1887.8	3281.4	3210.0	764.4	347.4	391.8	316.6
87.5°	144.8	175.7	322.4	646.6	1021.1	984.4	187.2	119.7	169.9	144.8
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°
4758.1	0°	4758.1	4758.1	4758.1	4758.1	4758.1	4758.1	4758.1	4758.1	4758.1	4758.1
4771.6	2.5°	4798.6	4829.5	4866.2	4920.2	4966.5	5005.1	5045.7	5070.8	5080.4	5109.4
4779.3	5°	4833.3	4900.9	4991.6	5080.4	5167.3	5219.4	5265.7	5288.9	5310.1	5325.6
4800.5	7.5°	4891.3	4978.1	5121.0	5236.8	5310.1	5352.6	5383.5	5375.7	5383.5	5387.3
4823.7	10°	4941.4	5063.0	5232.9	5342.9	5398.9	5400.8	5393.1	5366.1	5352.6	5354.5
4858.4	12.5°	5001.3	5136.4	5319.8	5412.4	5427.9	5385.4	5352.6	5306.3	5288.9	5281.2
4910.6	15°	5082.3	5236.8	5414.4	5449.1	5410.5	5356.4	5300.5	5225.2	5186.6	5155.7
4999.3	17.5°	5180.8	5350.7	5487.7	5462.6	5379.6	5290.8	5200.1	5086.2	5007.1	4974.3
5121.0	20°	5317.8	5470.3	5543.7	5433.7	5308.2	5173.1	5018.6	4879.7	4806.3	4773.5
5275.4	22.5°	5483.8	5630.5	5597.7	5383.5	5205.9	4989.7	4796.7	4694.4	4657.7	4634.5
5474.2	25°	5682.7	5808.1	5636.3	5310.1	5038.0	4746.5	4597.9	4565.0	4547.7	4530.3
5717.4	27.5°	5941.3	6008.9	5665.3	5202.0	4775.4	4487.8	4433.8	4439.6	4433.8	4404.8
6055.2	30°	6283.0	6269.5	5692.3	5026.4	4474.3	4254.3	4258.1	4283.2	4287.1	4267.8
6526.2	32.5°	6732.7	6595.7	5705.8	4798.6	4186.7	4049.7	4053.5	4080.5	4099.9	4067.0
7141.9	35°	7277.0	6975.9	5684.6	4512.9	3964.7	3854.7	3825.8	3833.5	3839.3	3808.4
7888.9	37.5°	7912.1	7402.5	5590.0	4196.4	3781.4	3663.6	3601.8	3549.7	3518.8	3489.9
8734.4	40°	8608.9	7867.7	5416.3	3887.5	3576.8	3460.9	3368.3	3269.8	3165.6	3127.0
9630.0	42.5°	9338.5	8346.4	5205.9	3592.2	3341.3	3246.7	3148.2	3005.4	2849.0	2769.9
10560.4	45°	10095.2	8836.7	4999.3	3300.7	3100.0	3059.4	2945.6	2773.8	2603.9	2503.5
11492.7	47.5°	10836.4	9299.9	4696.3	3007.3	2874.1	2918.5	2829.7	2671.5	2482.3	2324.0
12417.3	50°	11544.8	9734.3	4200.2	2710.1	2690.8	2876.1	2791.1	2563.4	2347.2	2144.5
13324.5	52.5°	12247.4	10085.6	3565.2	2439.8	2592.3	2864.5	2741.0	2490.0	2225.6	2013.3
14177.7	55°	12843.9	10267.0	2953.3	2208.2	2449.5	2766.0	2681.1	2403.2	2053.8	1827.9
14762.6	57.5°	13183.6	10120.3	2443.7	1980.4	2252.6	2603.9	2578.8	2217.9	1849.2	1675.5
14876.4	60°	13036.9	9525.8	2026.8	1781.6	2065.4	2428.3	2401.2	2034.5	1692.8	1528.8
14266.5	62.5°	12228.1	8392.7	1696.7	1607.9	1895.5	2248.7	2223.6	1893.6	1573.2	1414.9
12647.0	65°	10599.0	6827.3	1440.0	1463.1	1723.7	2032.6	2069.2	1775.8	1478.6	1324.2
9784.4	67.5°	8083.9	4945.3	1239.2	1337.7	1555.8	1820.2	1926.4	1690.9	1399.4	1252.7
5661.4	70°	4607.5	2808.5	1069.4	1216.1	1407.2	1623.3	1816.4	1623.3	1314.5	1192.9
2121.3	72.5°	1746.9	1289.4	924.6	1094.5	1264.3	1457.3	1694.8	1517.2	1216.1	1125.3
1096.4	75°	932.3	785.6	777.9	951.6	1100.2	1295.2	1542.3	1412.9	1142.7	1189.0
758.6	77.5°	635.1	555.9	650.5	814.6	920.7	1115.7	1380.1	1254.7	990.2	986.4
525.0	80°	440.1	393.8	528.9	656.3	712.3	938.1	1204.5	1077.1	806.8	752.8
324.3	82.5°	264.4	256.7	395.7	490.3	503.8	723.8	997.9	903.4	660.1	575.2
193.0	85°	144.8	152.5	252.9	287.6	293.4	505.7	781.8	698.8	507.7	426.6
69.5	87.5°	40.5	52.1	92.7	113.9	140.9	262.5	465.2	415.0	254.8	177.6
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>
4758.1
5107.4
5329.4
5393.1
5358.4
5277.3
5165.3
4976.2
4769.6
4638.4
4530.3
4410.6
4277.4
4082.5
3829.6
3509.2
3144.4
2779.6
2495.8
2306.6
2127.1
1990.1
1808.6
1652.3
1505.6
1389.8
1299.1
1229.6
1177.5
1109.9
1227.6
909.1
720.0
579.1
430.4
177.6
0.0

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