

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: P952426

Luminaire Tested: **GALN-SB6B-740-U-T2U-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P952426  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-17)  
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-T2U-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 70 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

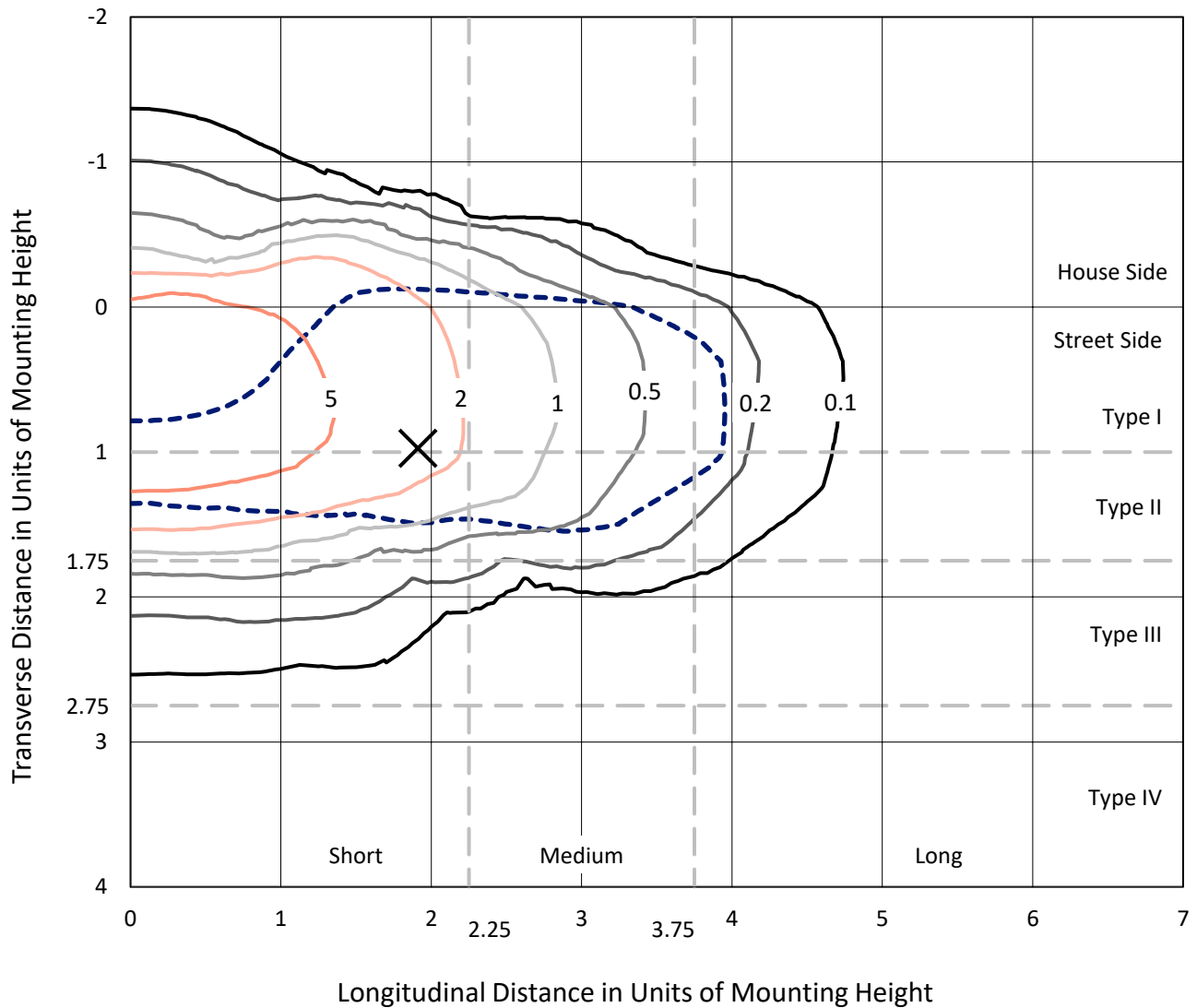
Lumens per Lamp: N/A  
Luminaire Lumens: 27609 lumens  
Efficiency: N/A  
Efficacy: 125.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G4  
  
Input Watts (W): 220.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

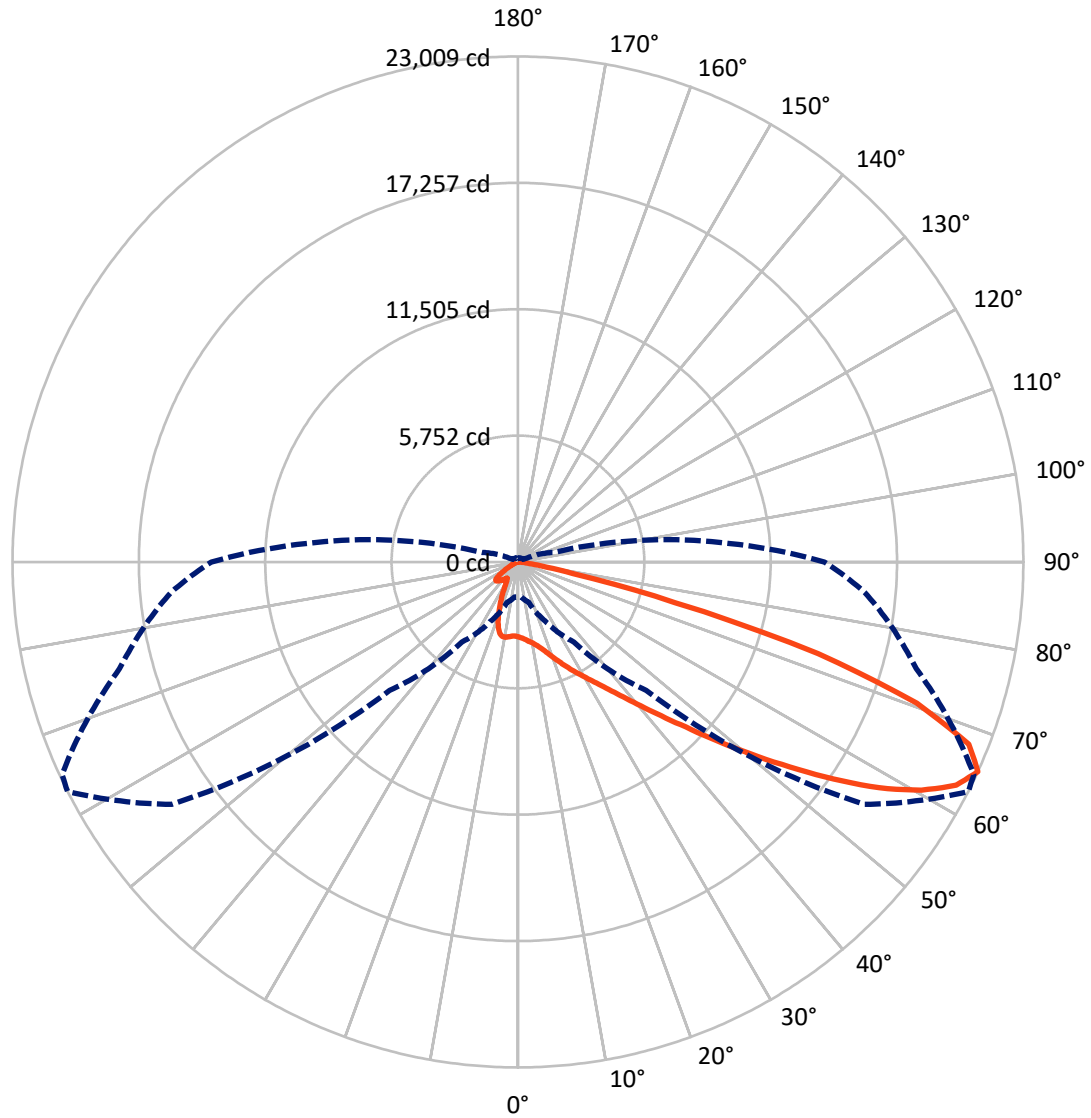
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.3 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 63-Deg Lateral    - - - Horizontal Cone Through 65-Deg Vertical

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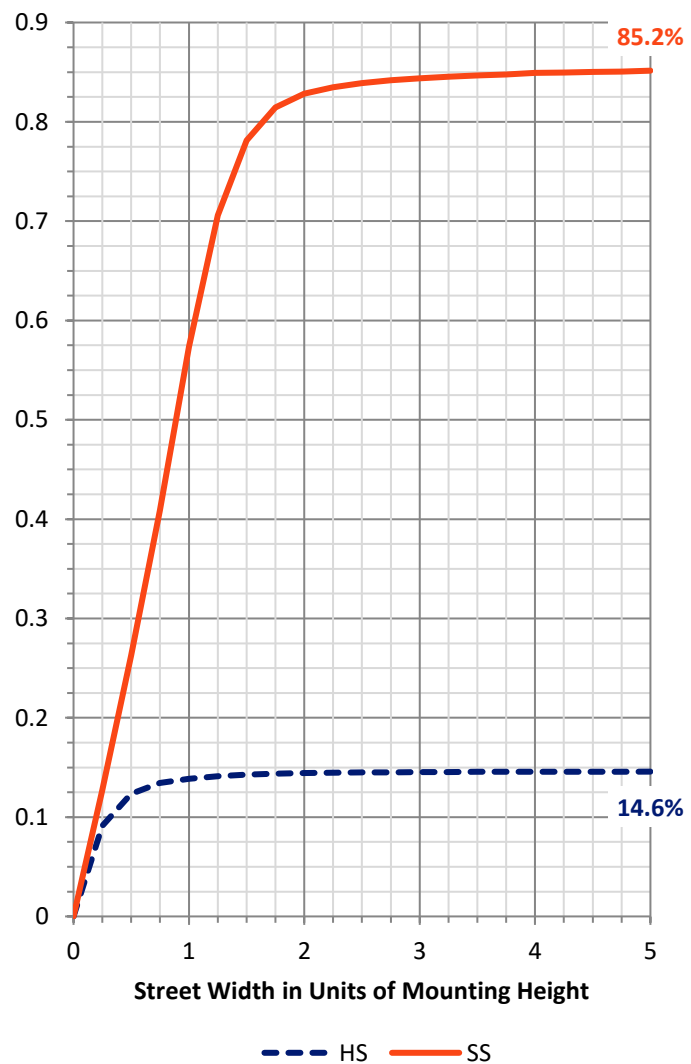
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4058.3	0.0	4058.3
	% Fixture	14.7	0.0	14.7
<b>Street Side</b>	Lumens	23550.7	0.0	23550.7
	% Fixture	85.3	0.0	85.3
<b>Total</b>	Lumens	27609.0	0.0	27609.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	321.0	1.2
10°-20°	890.8	3.2
20°-30°	1551.1	5.6
30°-40°	2795.7	10.1
40°-50°	5544.7	20.1
50°-60°	7552.8	27.4
60°-70°	6028.6	21.8
70°-80°	2728.1	9.9
80°-90°	196.1	0.7
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°	27609.0	100.0
0°-180°	27609.0	100.0



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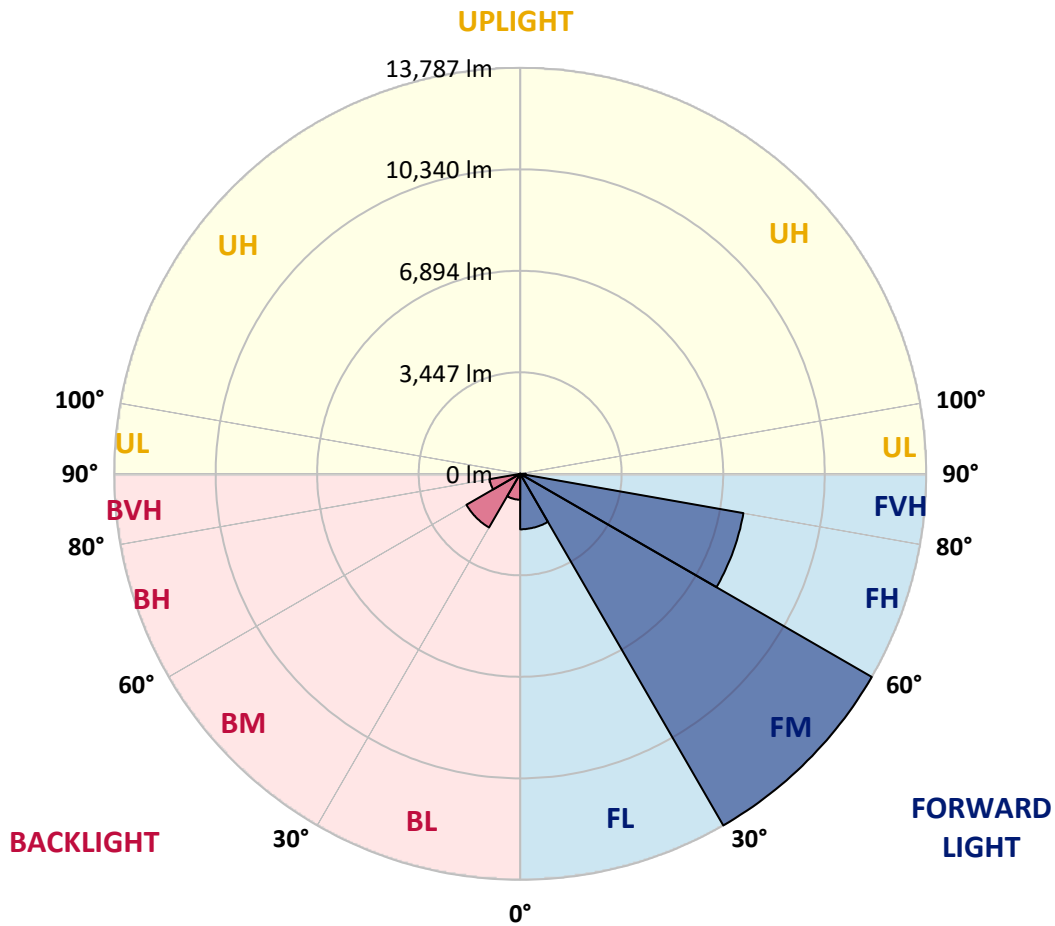
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1884.7	6.8			
FM (30°-60°)	13787.2	49.9			
FH (60°-80°)	7697.3	27.9			G4/12000
FVH (80°-90°)	181.5	0.7			G2/225
BL (0°-30°)	878.3	3.2	B2/1000		
BM (30°-60°)	2106.0	7.6	B2/2500		
BH (60°-80°)	1059.5	3.8	B3/2500		G3/2500
BVH (80°-90°)	14.6	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G4**

Type II Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°
0°	3407.5	3407.5	3407.5	3407.5	3407.5	3407.5	3407.5	3407.5	3407.5	3407.5
2.5°	3487.2	3477.7	3491.0	3485.3	3481.5	3474.0	3470.2	3466.4	3458.8	3453.1
5°	3496.7	3491.0	3504.3	3515.7	3527.1	3538.5	3544.2	3551.8	3544.2	3529.0
7.5°	3417.0	3413.2	3441.7	3475.8	3527.1	3570.8	3618.3	3644.9	3646.8	3641.1
10°	3411.3	3401.8	3430.3	3472.1	3538.5	3616.4	3700.0	3757.0	3764.6	3789.2
12.5°	3500.5	3491.0	3530.9	3576.5	3644.9	3726.6	3829.1	3908.9	3920.3	3954.5
15°	3650.6	3637.3	3682.9	3741.8	3829.1	3922.2	4030.5	4102.6	4112.1	4153.9
17.5°	3825.3	3812.0	3865.2	3927.9	4022.9	4150.1	4275.5	4355.3	4366.7	4393.2
20°	4049.5	4032.4	4074.2	4131.1	4231.8	4383.7	4533.8	4647.8	4645.9	4645.9
22.5°	4309.7	4283.1	4319.2	4364.8	4459.7	4644.0	4843.4	4978.3	4978.3	4925.1
25°	4588.9	4562.3	4602.2	4644.0	4727.5	4936.5	5170.1	5337.2	5344.8	5253.7
27.5°	4938.4	4904.2	4934.6	4984.0	5033.3	5246.1	5523.4	5717.1	5720.9	5580.4
30°	5610.7	5513.9	5418.9	5365.7	5388.5	5599.3	5895.6	6110.3	6129.3	5935.5
32.5°	6841.5	6822.5	6488.3	6051.4	5823.5	5979.2	6311.6	6569.9	6581.3	6332.5
35°	8754.2	8731.4	8193.9	7362.0	6619.3	6488.3	6816.8	7122.6	7115.0	6833.9
37.5°	11037.2	11016.4	10307.9	9194.9	7992.6	7257.5	7468.3	7789.3	7836.8	7468.3
40°	12987.9	12910.0	12461.8	11388.6	9816.0	8533.9	8395.2	8608.0	8657.3	8220.5
42.5°	14465.6	14399.1	14171.2	13500.7	12023.0	10421.9	9487.4	9569.0	9624.1	9099.9
45°	15231.1	15215.9	15307.0	15244.4	14271.9	12739.1	11048.6	10708.7	10729.5	10074.3
47.5°	15339.3	15331.7	15747.7	16336.5	16205.4	15352.6	13052.5	12129.4	12055.3	11174.0
50°	14701.1	14685.9	15483.7	16587.2	17497.0	17548.3	15327.9	13730.6	13567.2	12311.7
52.5°	12663.1	12659.3	13969.9	15806.6	17951.0	19470.5	17576.8	15489.4	15215.9	13515.9
55°	9743.8	9814.1	11316.5	13487.4	17122.8	20395.4	19595.8	17441.9	17022.2	14727.7
57.5°	6902.3	7004.9	8490.2	10423.8	14554.9	19848.4	20961.5	19398.3	18946.2	15935.7
60°	3707.6	3798.7	5286.0	7593.7	10828.3	17808.5	21681.3	21096.3	20669.0	17082.9
62.5°	2209.0	2239.4	2854.8	4902.3	7324.0	13605.2	21375.5	22389.8	22038.4	18045.9
65°	1586.0	1591.7	1901.3	2993.4	4446.4	8266.1	19231.1	23009.0	22900.7	18771.5
67.5°	1335.3	1331.5	1460.6	1988.6	3029.5	4140.6	14739.1	22133.4	22593.0	19231.1
70°	1145.3	1151.0	1303.0	1456.8	2277.3	2343.8	7327.8	19271.0	20251.1	19352.7
72.5°	852.8	871.8	1012.4	1327.7	1718.9	1612.6	2530.0	14289.0	16061.1	18234.0
75°	602.1	611.6	712.3	1116.8	1282.1	1173.8	1291.6	7386.7	9658.3	13979.4
77.5°	463.4	480.5	539.4	780.6	1263.1	824.3	790.1	2556.6	3927.9	8444.6
80°	250.7	281.1	389.4	564.1	887.0	583.1	391.3	1018.1	1331.5	3948.8
82.5°	129.2	144.4	271.6	406.5	505.2	509.0	193.7	423.6	548.9	1219.4
85°	51.3	62.7	182.3	224.1	260.2	250.7	87.4	170.9	197.5	338.1
87.5°	11.4	19.0	66.5	51.3	49.4	53.2	20.9	39.9	38.0	39.9
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°
3407.5	0°	3407.5	3407.5	3407.5	3407.5	3407.5	3407.5	3407.5	3407.5	3407.5	3407.5
3430.3	2.5°	3428.4	3420.8	3399.9	3377.1	3350.5	3335.3	3325.8	3323.9	3310.6	3301.1
3506.2	5°	3485.3	3477.7	3437.9	3390.4	3339.1	3299.2	3261.2	3227.0	3177.6	3168.2
3616.4	7.5°	3599.3	3578.4	3513.8	3449.3	3352.4	3236.5	3096.0	2934.5	2790.2	2746.5
3762.7	10°	3739.9	3711.4	3629.7	3515.7	3301.1	2985.8	2645.8	2330.5	2079.8	2009.5
3935.5	12.5°	3899.4	3874.7	3766.5	3555.6	3086.5	2514.8	1994.3	1603.1	1359.9	1299.2
4119.7	15°	4089.3	4053.3	3903.2	3494.8	2702.8	1910.8	1369.4	1137.7	1050.4	1039.0
4330.6	17.5°	4290.7	4231.8	4024.8	3276.4	2186.2	1358.1	1057.9	991.5	953.5	942.1
4543.3	20°	4474.9	4398.9	4096.9	2945.9	1633.5	1057.9	947.8	904.1	869.9	856.6
4756.0	22.5°	4659.2	4550.9	4096.9	2495.8	1225.1	938.3	869.9	830.0	790.1	773.0
4984.0	25°	4851.0	4706.6	4024.8	1994.3	985.8	860.4	795.8	752.2	718.0	697.1
5200.5	27.5°	5037.1	4837.7	3859.5	1519.5	877.5	792.0	727.5	685.7	653.4	638.2
5436.0	30°	5213.8	4966.9	3627.8	1152.9	807.2	725.6	664.8	628.7	596.4	581.2
5741.8	32.5°	5453.1	5130.2	3380.9	945.9	746.5	662.9	607.8	573.6	545.1	533.7
6138.8	35°	5785.5	5371.4	3168.2	928.8	695.2	611.6	556.5	524.2	495.7	486.2
6651.6	37.5°	6256.5	5760.8	3056.1	1042.8	653.4	566.0	514.7	480.5	453.9	446.4
7303.1	40°	6837.7	6288.8	3116.9	1156.7	624.9	526.1	476.7	442.6	419.8	410.3
8051.4	42.5°	7527.2	6940.3	3453.1	1244.1	605.9	491.9	440.7	402.7	387.5	383.7
8900.5	45°	8319.2	7656.4	3967.8	1337.2	575.5	459.6	404.6	376.1	364.7	362.8
9823.5	47.5°	9219.5	8442.7	4564.2	1453.0	545.1	429.3	376.1	357.1	347.6	343.8
10786.5	50°	10112.3	9234.7	5177.7	1517.6	520.4	400.8	353.3	338.1	330.5	328.6
11804.6	52.5°	11046.7	10049.6	5673.4	1456.8	499.5	378.0	334.3	322.9	315.3	313.4
12742.9	55°	11937.5	10708.7	5758.9	1236.5	457.7	355.2	313.4	307.7	298.2	298.2
13694.5	57.5°	12704.9	11039.1	5154.9	907.9	416.0	321.0	292.5	286.8	279.2	277.3
14553.0	60°	13409.6	10944.2	3979.2	611.6	370.4	286.8	265.9	262.1	254.5	245.0
15299.4	62.5°	13806.5	10526.3	2721.8	398.9	324.8	250.7	235.5	233.6	216.5	197.5
15852.2	65°	13956.6	9667.8	1698.0	290.6	271.6	214.6	203.2	199.4	174.7	153.8
16165.5	67.5°	13825.5	8254.7	856.6	229.8	214.6	178.5	167.1	167.1	150.1	131.1
16146.6	70°	13301.3	6188.2	360.9	184.2	165.2	136.8	136.8	144.4	127.3	106.4
15308.9	72.5°	12163.6	4163.4	191.8	140.6	123.5	96.9	112.1	117.8	100.7	79.8
12530.2	75°	9669.7	2539.5	133.0	104.5	77.9	68.4	85.5	89.3	68.4	53.2
8590.9	77.5°	6613.6	1458.7	89.3	66.5	49.4	39.9	58.9	55.1	36.1	24.7
3312.5	80°	2904.1	607.8	51.3	30.4	19.0	15.2	20.9	15.2	11.4	7.6
453.9	82.5°	340.0	142.5	19.0	11.4	7.6	3.8	1.9	0.0	0.0	0.0
138.7	85°	70.3	17.1	9.5	3.8	1.9	0.0	0.0	0.0	0.0	0.0
24.7	87.5°	13.3	3.8	1.9	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

180°
3407.5
3310.6
3164.4
2725.6
1982.9
1282.1
1027.6
936.4
849.0
763.5
689.5
638.2
583.1
533.7
486.2
444.5
408.4
383.7
360.9
343.8
328.6
313.4
296.3
275.4
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