

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: P955034

Luminaire Tested: **GALN-SB8A-835-U-T4W-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P955034  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB8A-835-U-T4W-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 80 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV WIDE OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

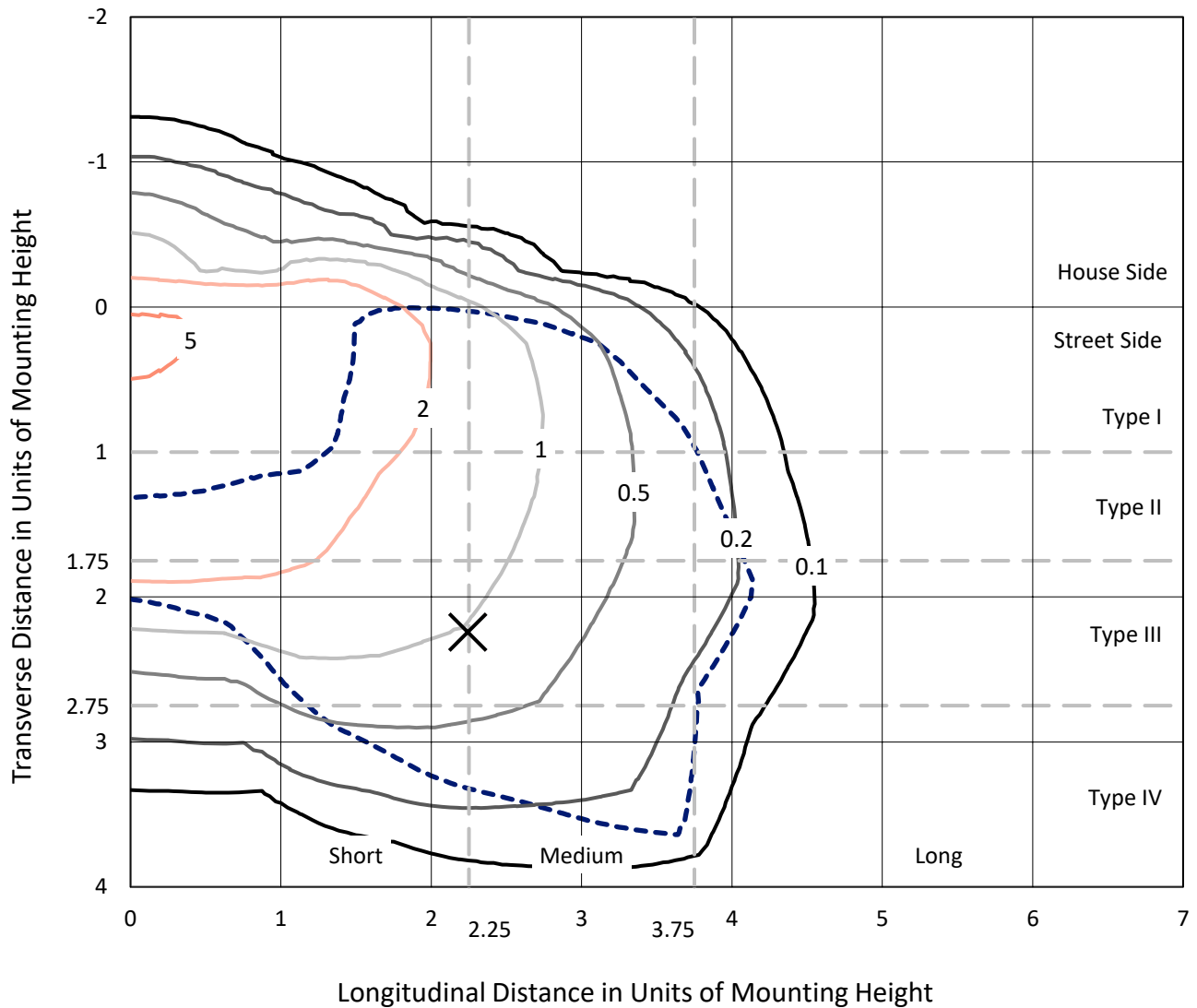
Lumens per Lamp: N/A  
Luminaire Lumens: 25916 lumens  
Efficiency: N/A  
Efficacy: 114.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G5  
  
Input Watts (W): 227.1  
Input Voltage (V): NR  
Input Current (Ain): 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

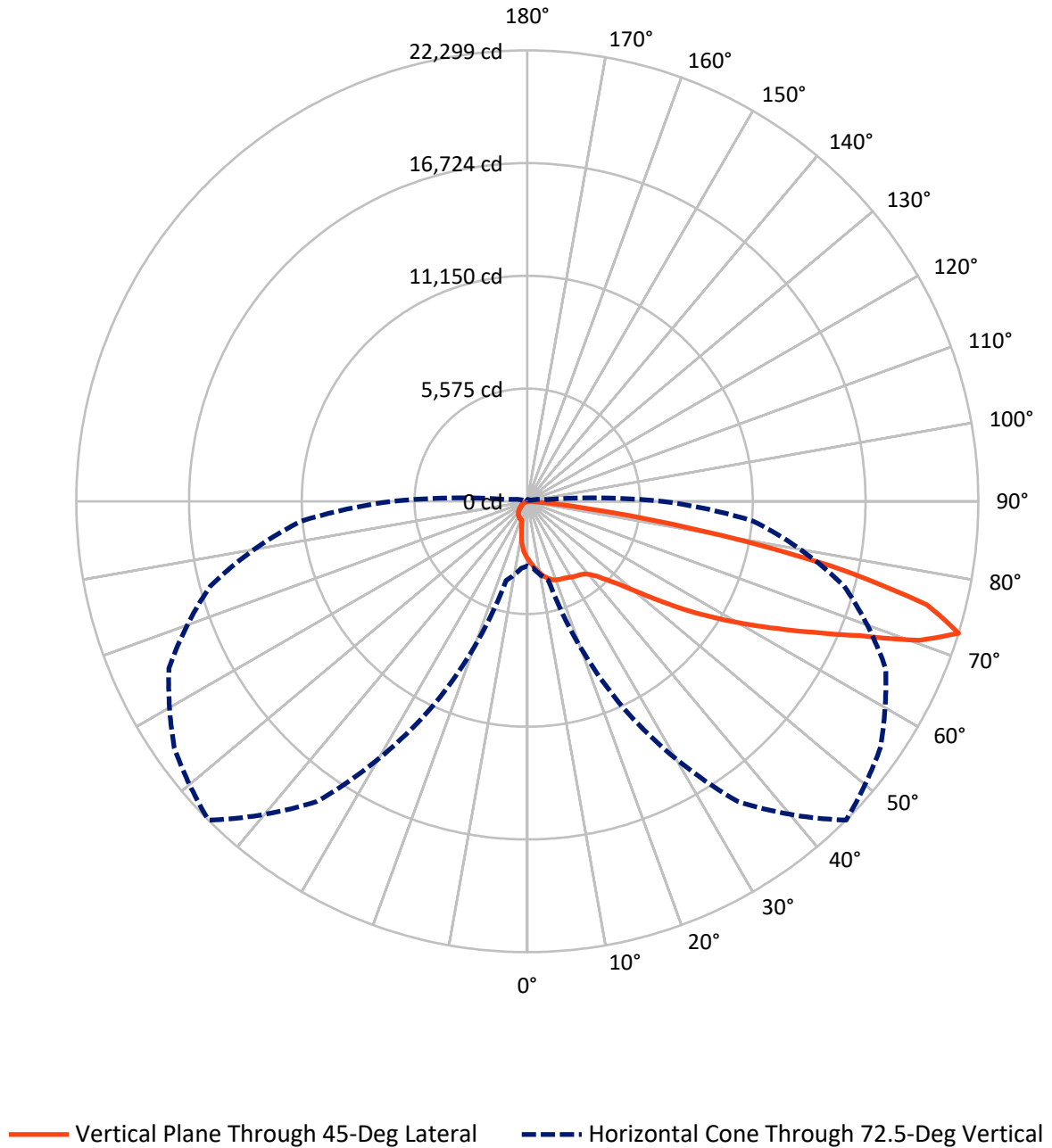
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.2 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	2723.1	0.0	2723.1
	% Fixture	10.5	0.0	10.5
<b>Street Side</b>	Lumens	23192.9	0.0	23192.9
	% Fixture	89.5	0.0	89.5
<b>Total</b>	Lumens	25916.0	0.0	25916.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	267.5	1.0
10°-20°	781.8	3.0
20°-30°	1283.9	5.0
30°-40°	1820.8	7.0
40°-50°	3009.6	11.6
50°-60°	5406.4	20.9
60°-70°	7507.0	29.0
70°-80°	5445.4	21.0
80°-90°	393.7	1.5
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°	25916.0	100.0
0°-180°	25916.0	100.0

**Coefficient of Utilization**



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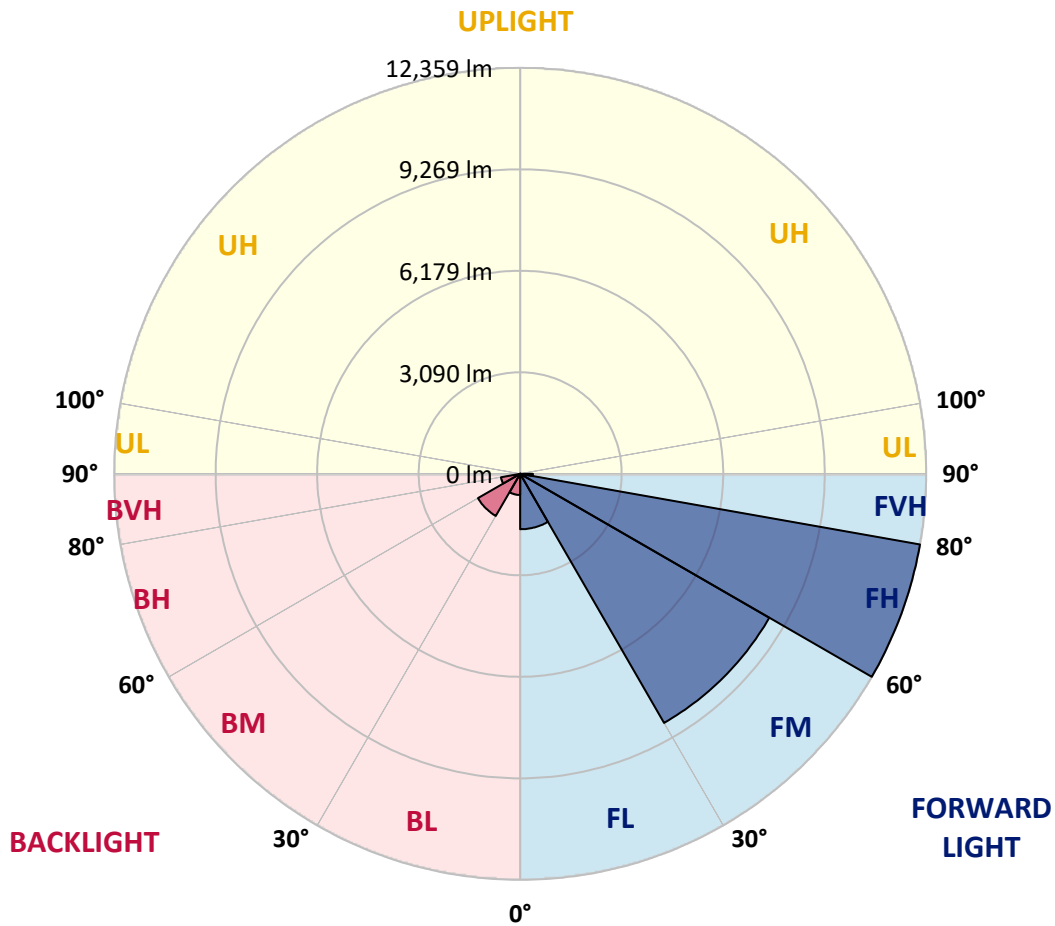
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1688.2	6.5			
FM (30°-60°)	8755.8	33.8			
FH (60°-80°)	12358.6	47.7			G5
FVH (80°-90°)	390.4	1.5			G3/500
BL (0°-30°)	645.0	2.5	B2/1000		
BM (30°-60°)	1480.9	5.7	B2/2500		
BH (60°-80°)	593.8	2.3	B2/1000		G2/1000
BVH (80°-90°)	3.3	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G5**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°
0°	2839.2	2839.2	2839.2	2839.2	2839.2	2839.2	2839.2	2839.2	2839.2	2839.2
2.5°	3101.0	3106.3	3102.7	3081.5	3046.1	3026.7	3016.0	2980.7	2957.7	2917.0
5°	3385.8	3407.0	3394.6	3352.1	3284.9	3237.2	3223.0	3150.5	3085.0	3009.0
7.5°	3688.2	3698.9	3675.9	3621.0	3530.8	3449.4	3437.1	3336.2	3231.9	3115.1
10°	3950.0	3962.4	3927.1	3847.5	3744.9	3644.0	3626.3	3514.9	3391.1	3247.8
12.5°	4169.4	4181.8	4135.8	4040.3	3927.1	3822.7	3805.0	3688.2	3552.0	3392.8
15°	4335.7	4358.7	4296.8	4194.2	4072.1	3967.7	3958.9	3843.9	3711.2	3534.3
17.5°	4433.0	4456.0	4397.6	4273.8	4169.4	4081.0	4070.3	3974.8	3851.0	3681.2
20°	4448.9	4470.1	4408.2	4300.3	4213.6	4142.9	4137.6	4068.6	3978.4	3815.6
22.5°	4401.1	4427.7	4371.1	4284.4	4224.2	4187.1	4180.0	4141.1	4089.8	3951.8
25°	4351.6	4372.8	4330.4	4254.3	4222.5	4218.9	4224.2	4217.2	4206.5	4089.8
27.5°	4348.1	4371.1	4323.3	4250.8	4233.1	4270.2	4275.5	4309.1	4318.0	4215.4
30°	4378.1	4394.1	4348.1	4272.0	4263.2	4348.1	4349.8	4410.0	4424.1	4321.5
32.5°	4443.6	4461.3	4415.3	4303.8	4291.5	4410.0	4415.3	4494.9	4517.9	4434.7
35°	4597.5	4618.7	4565.6	4392.3	4348.1	4468.3	4484.3	4578.0	4624.0	4555.0
37.5°	4981.3	4919.4	4846.9	4570.9	4477.2	4560.3	4586.9	4696.5	4777.9	4698.3
40°	5934.8	5740.2	5513.8	4875.2	4703.6	4756.7	4777.9	4887.6	4999.0	4921.2
42.5°	7365.9	7135.9	6771.5	5575.7	5045.0	5071.6	5087.5	5183.0	5340.4	5278.5
45°	8641.3	8558.1	8186.7	6771.5	5683.6	5552.7	5572.2	5621.7	5853.4	5830.4
47.5°	9621.3	9573.5	9286.9	8144.2	6762.7	6141.8	6196.6	6219.6	6553.9	6635.3
50°	10374.8	10357.2	10100.7	9364.8	8172.5	7010.3	7029.8	6980.2	7480.9	7682.5
52.5°	11086.0	11146.1	10956.8	10498.7	9677.9	8147.7	8144.2	7910.7	8586.4	8890.7
55°	11728.1	11749.3	11768.8	11655.6	11192.1	9442.6	9409.0	9026.9	9868.9	10183.8
57.5°	12331.3	12340.1	12513.5	12745.2	12768.2	10833.0	10771.1	10312.9	11269.9	11494.6
60°	12736.4	12777.1	13143.2	13787.1	14068.4	12267.6	12234.0	11767.0	12695.7	12800.1
62.5°	12152.6	12400.3	13323.7	14600.9	15296.0	13857.9	13842.0	13403.3	14195.8	14110.9
65°	9837.1	10256.3	11880.2	15151.0	16500.7	15633.9	15656.9	15189.9	15736.5	15460.6
67.5°	6881.2	7323.4	9244.5	15195.2	17846.9	17719.5	17852.2	17119.8	17372.8	16753.7
70°	4758.5	4986.6	6237.3	14243.5	18895.8	20592.3	20588.7	19490.2	19000.2	17342.7
72.5°	3200.0	3318.5	4050.9	11300.0	18124.6	22299.3	22196.7	21301.6	19548.6	16219.4
75°	1349.7	1436.4	1875.1	6350.5	14339.0	20401.2	20123.5	18825.1	17369.2	12771.8
77.5°	428.1	465.2	739.4	2273.1	7898.3	15335.0	15041.3	11756.4	11641.4	6407.1
80°	203.4	237.0	415.7	912.8	3108.0	8340.6	8299.9	5333.4	5007.9	1730.0
82.5°	88.4	104.4	230.0	488.2	1390.4	2975.4	3035.5	1814.9	1501.8	656.3
85°	28.3	37.1	106.1	224.7	587.3	739.4	730.6	431.6	605.0	357.3
87.5°	0.0	0.0	35.4	51.3	60.1	42.5	47.8	37.1	168.0	99.1
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°
2839.2	0°	2839.2	2839.2	2839.2	2839.2	2839.2	2839.2	2839.2	2839.2	2839.2	2839.2
2874.5	2.5°	2853.3	2825.0	2775.5	2729.5	2688.8	2648.1	2623.3	2588.0	2584.4	2584.4
2920.5	5°	2872.8	2826.8	2738.3	2644.6	2536.7	2434.1	2331.5	2232.4	2200.6	2177.6
2994.8	7.5°	2929.4	2856.8	2717.1	2538.4	2333.2	2108.6	1951.1	1781.3	1715.9	1680.5
3093.9	10°	3010.7	2911.7	2699.4	2386.3	2053.7	1747.7	1523.1	1339.1	1268.3	1238.3
3201.8	12.5°	3101.0	2978.9	2667.6	2197.0	1747.7	1381.5	1162.2	1077.3	1066.7	1066.7
3330.9	15°	3208.9	3060.3	2612.7	1974.1	1427.5	1093.2	1015.4	1018.9	1029.5	1036.6
3456.5	17.5°	3320.3	3146.9	2526.1	1724.7	1144.5	983.5	985.3	990.6	999.5	1006.5
3592.7	20°	3440.6	3233.6	2411.1	1459.4	981.8	951.7	957.0	962.3	969.4	972.9
3720.1	22.5°	3569.7	3315.0	2274.9	1199.3	926.9	925.2	926.9	932.2	941.1	941.1
3868.7	25°	3707.7	3405.2	2119.2	1010.1	898.6	898.6	902.2	905.7	912.8	912.8
4012.0	27.5°	3849.2	3488.4	1954.7	911.0	873.9	872.1	872.1	877.4	880.9	882.7
4153.5	30°	4004.9	3585.6	1790.2	889.8	854.4	845.6	840.2	843.8	847.3	849.1
4302.1	32.5°	4164.1	3679.4	1643.3	898.6	834.9	819.0	801.3	797.8	797.8	804.9
4456.0	35°	4341.0	3782.0	1530.1	928.7	824.3	780.1	751.8	735.9	737.6	748.3
4639.9	37.5°	4553.3	3905.8	1447.0	955.2	817.3	735.9	689.9	670.4	658.0	670.4
4892.9	40°	4831.0	4088.0	1386.9	976.5	808.4	684.6	622.7	590.8	567.8	574.9
5285.6	42.5°	5239.6	4374.6	1363.9	978.2	788.9	624.4	553.7	511.2	477.6	479.4
5876.4	45°	5812.7	4827.4	1482.4	955.2	746.5	559.0	481.2	424.5	403.3	398.0
6759.1	47.5°	6598.2	5487.3	1756.6	907.5	684.6	495.3	410.4	362.6	346.7	337.9
7917.8	50°	7650.7	6334.6	2060.8	854.4	622.7	435.2	352.0	321.9	311.3	302.5
9292.3	52.5°	8871.2	7194.3	2310.2	801.3	560.8	382.1	314.9	297.2	288.3	281.3
10619.0	55°	9991.0	7786.9	2296.1	744.7	500.6	339.6	288.3	277.7	267.1	260.0
11761.7	57.5°	10688.0	7870.0	1892.8	682.8	431.6	306.0	263.6	256.5	244.1	235.3
12750.5	60°	11008.1	7395.9	1326.7	601.4	362.6	274.2	237.0	233.5	217.6	205.2
13686.3	62.5°	11066.5	6515.0	884.5	500.6	302.5	244.1	210.5	205.2	184.0	162.7
14447.0	65°	10829.5	5255.5	612.1	390.9	258.3	212.3	180.4	169.8	146.8	125.6
14627.4	67.5°	10079.4	3690.0	426.3	281.3	219.3	168.0	143.3	139.7	122.1	104.4
13707.5	70°	8705.0	2103.3	284.8	210.5	173.4	115.0	113.2	116.8	99.1	84.9
11199.2	72.5°	6674.2	962.3	176.9	153.9	118.5	77.8	90.2	92.0	76.1	63.7
6987.3	75°	3928.8	412.2	111.4	99.1	60.1	51.3	65.5	67.2	51.3	40.7
2554.4	77.5°	1337.3	155.7	70.8	58.4	30.1	28.3	42.5	42.5	28.3	15.9
513.0	80°	304.3	58.4	35.4	23.0	14.2	12.4	14.2	12.4	7.1	1.8
157.4	82.5°	86.7	23.0	14.2	8.8	5.3	5.3	1.8	0.0	0.0	0.0
54.8	85°	24.8	10.6	3.5	3.5	0.0	0.0	0.0	0.0	0.0	0.0
19.5	87.5°	10.6	1.8	0.0	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°
2839.2
2593.3
2188.2
1685.8
1238.3
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1006.5
974.7
944.6
914.5
884.5
852.6
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