

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: P952151

Luminaire Tested: **GALN-SB6A-830-U-T2R-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P952151  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB6A-830-U-T2R-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 80 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II  
ROADWAY OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

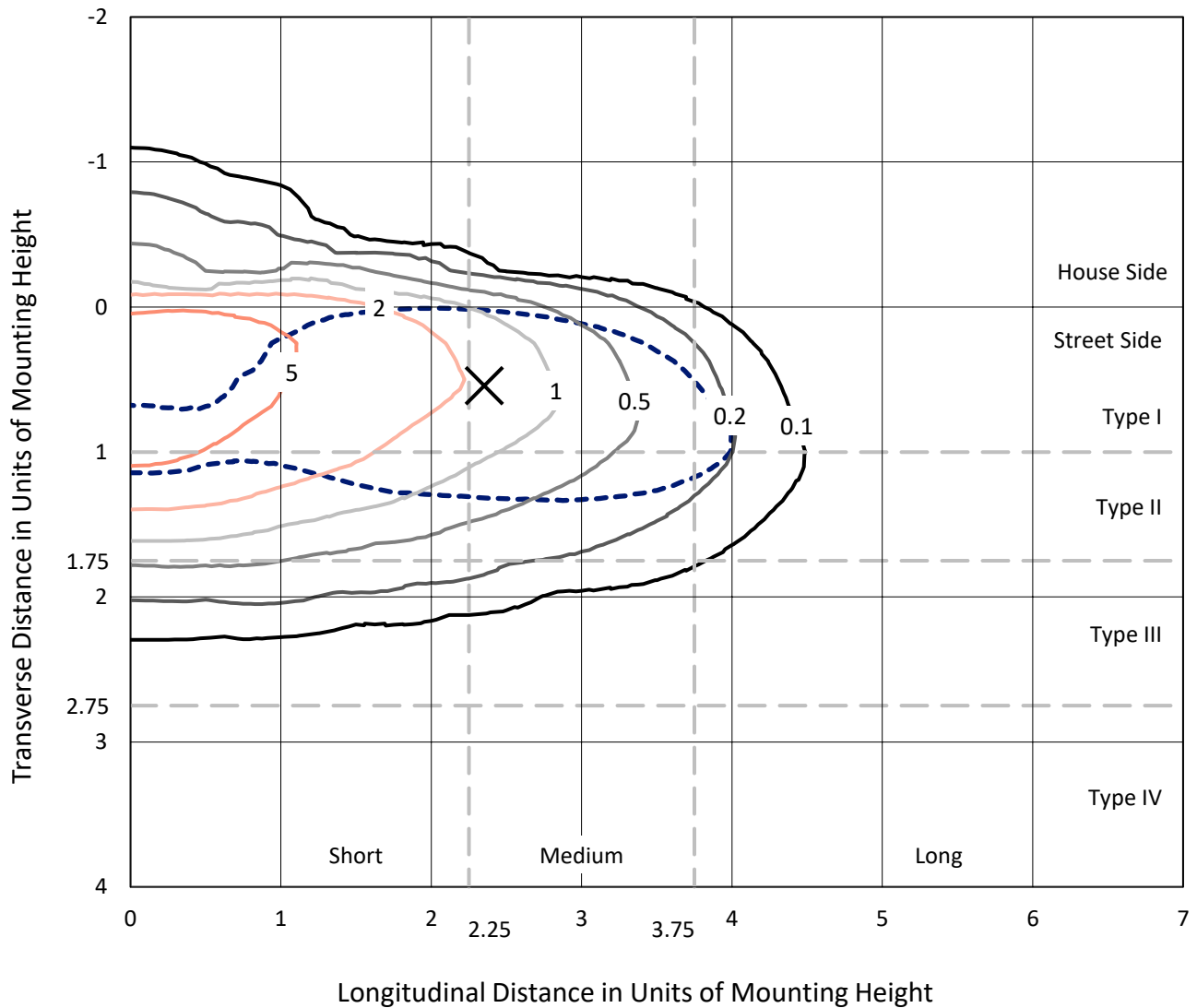
Lumens per Lamp: N/A  
Luminaire Lumens: 20695 lumens  
Efficiency: N/A  
Efficacy: 121.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B1 - U0 - G3  
  
Input Watts (W): 170.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

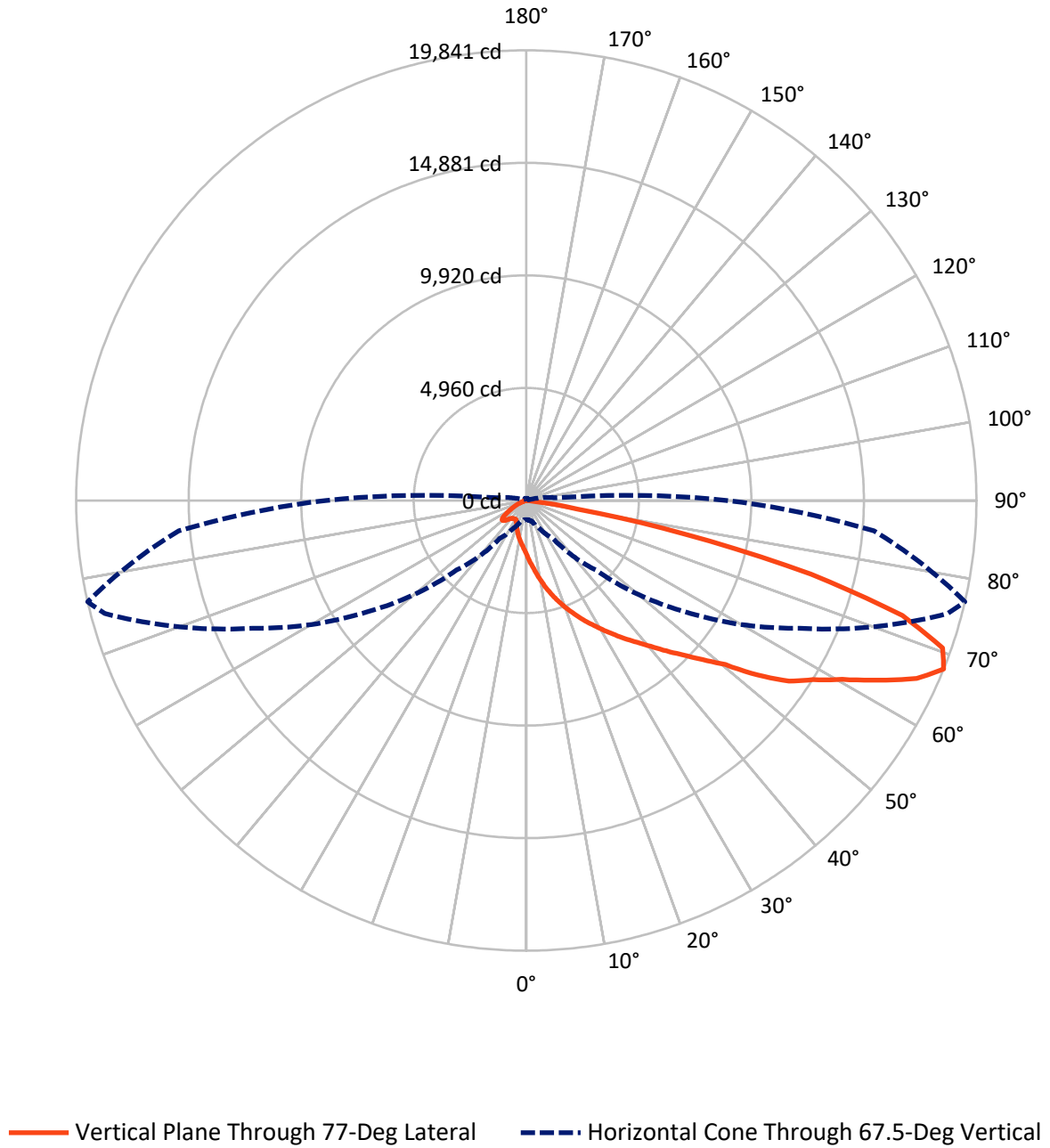
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.9 fc  
 Type II - Medium - N/A

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### Luminous Intensity Polar Plot



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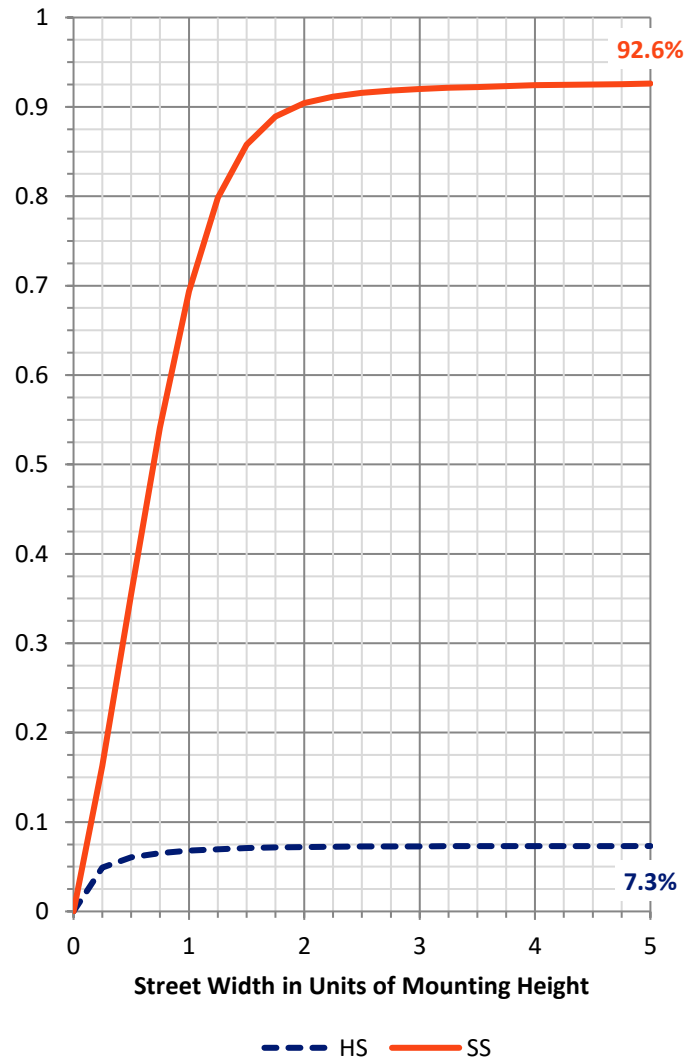
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1522.5	0.0	1522.5
	% Fixture	7.4	0.0	7.4
<b>Street Side</b>	Lumens	19172.5	0.0	19172.5
	% Fixture	92.6	0.0	92.6
<b>Total</b>	Lumens	20695.0	0.0	20695.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	243.6	1.2
10°-20°	853.0	4.1
20°-30°	1646.0	8.0
30°-40°	2857.5	13.8
40°-50°	4149.0	20.0
50°-60°	4764.6	23.0
60°-70°	4136.6	20.0
70°-80°	1948.4	9.4
80°-90°	96.4	0.5
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°	20695.0	100.0
0°-180°	20695.0	100.0

**Coefficient of Utilization**



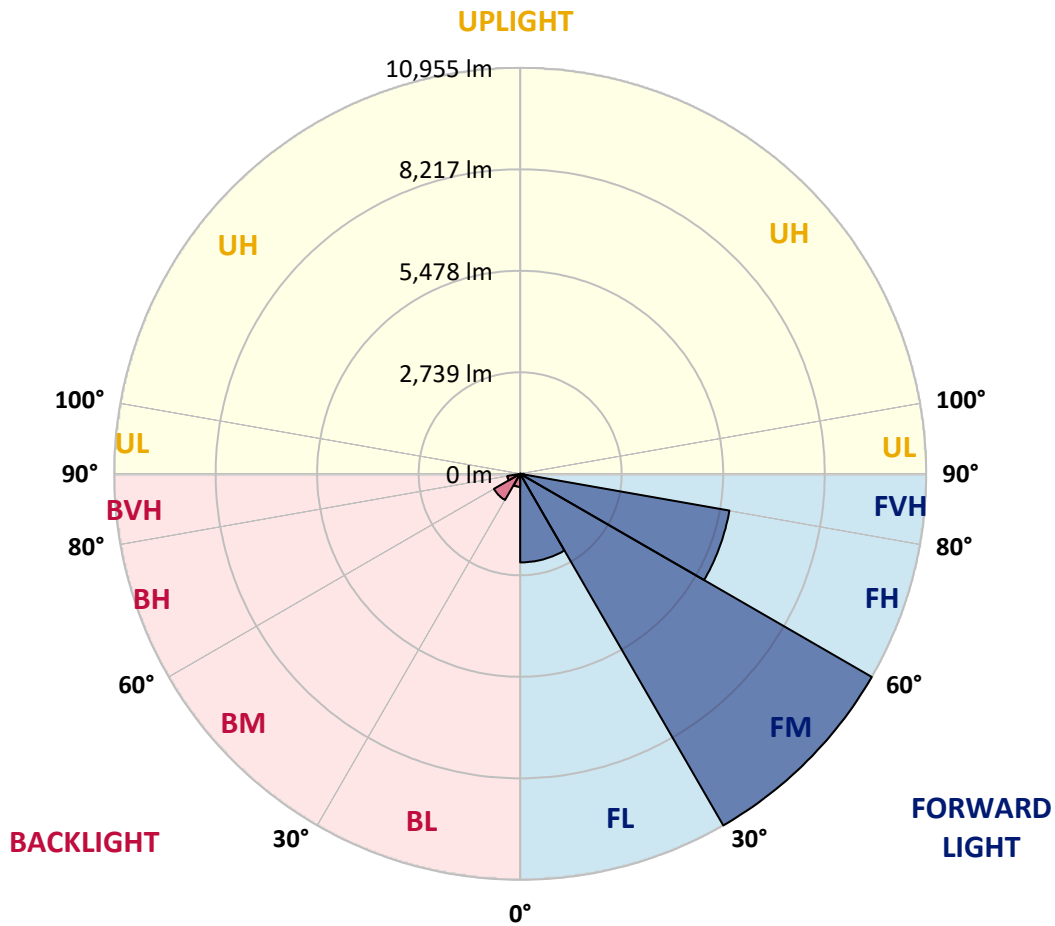
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2390.0	11.5			
FM (30°-60°)	10955.4	52.9			
FH (60°-80°)	5732.5	27.7			G3/7500
FVH (80°-90°)	94.6	0.5			G1/100
BL (0°-30°)	352.5	1.7	B1/500		
BM (30°-60°)	815.8	3.9	B1/1000		
BH (60°-80°)	352.5	1.7	B1/500		G1/500
BVH (80°-90°)	1.8	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G3**

Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°
0°	2386.4	2386.4	2386.4	2386.4	2386.4	2386.4	2386.4	2386.4	2386.4	2386.4
2.5°	3304.0	3324.6	3295.0	3238.5	3153.6	3098.4	2963.4	2836.2	2694.9	2649.9
5°	4027.5	4045.5	4012.1	3950.4	3837.3	3729.4	3552.0	3286.0	3009.7	2921.0
7.5°	4563.4	4573.7	4560.8	4504.3	4396.3	4274.3	4076.3	3761.5	3351.6	3253.9
10°	4948.9	4982.3	4978.5	4956.6	4884.7	4785.7	4575.0	4216.4	3734.5	3608.6
12.5°	5204.7	5241.9	5263.8	5312.6	5308.8	5245.8	5060.7	4681.6	4116.2	3968.4
15°	5279.2	5319.0	5402.6	5515.7	5615.9	5648.0	5518.2	5137.8	4536.4	4347.5
17.5°	5236.8	5298.5	5398.7	5577.4	5797.1	5942.3	5928.2	5578.6	4918.1	4702.2
20°	5330.6	5389.7	5468.1	5618.5	5874.2	6137.7	6243.0	6000.1	5297.2	5071.0
22.5°	5849.8	5839.5	5847.2	5871.6	6024.6	6285.4	6502.6	6383.1	5672.4	5441.1
25°	6672.3	6626.0	6547.6	6415.2	6376.7	6502.6	6728.8	6722.4	6068.3	5820.2
27.5°	7615.5	7607.8	7424.0	7105.3	6925.4	6876.6	6984.5	7052.6	6460.2	6195.5
30°	8519.0	8539.5	8291.5	7936.8	7606.5	7415.0	7317.4	7366.2	6858.6	6600.3
32.5°	9305.4	9327.3	9057.4	8642.3	8233.7	8002.3	7796.7	7675.9	7293.0	7011.5
35°	9969.8	9991.7	9682.0	9223.2	8787.5	8578.1	8345.5	8015.2	7729.9	7467.7
37.5°	10563.6	10557.1	10142.0	9679.4	9251.5	9085.7	8963.6	8432.9	8179.7	7926.5
40°	10914.4	10941.4	10586.7	10076.5	9661.4	9540.6	9532.9	8950.7	8698.9	8453.4
42.5°	11017.2	11064.7	10807.7	10388.8	10012.2	9881.2	10082.9	9511.1	9302.9	9063.8
45°	10832.1	10878.4	10761.5	10471.0	10251.3	10166.5	10555.8	10091.9	9948.0	9711.5
47.5°	10292.4	10350.2	10378.5	10316.8	10314.2	10400.3	10979.9	10703.6	10713.9	10472.3
50°	9247.6	9345.3	9604.9	9823.3	10161.3	10585.4	11392.4	11366.7	11577.5	11369.3
52.5°	7348.2	7487.0	8381.4	8979.0	9738.5	10550.7	11846.1	12430.8	13092.6	12788.1
55°	5905.1	5905.1	6632.4	7750.5	8913.5	10322.0	12044.0	13122.2	14124.6	14052.6
57.5°	4814.0	4871.8	5335.8	6324.0	7719.6	9777.1	12166.1	13556.6	14956.0	14903.3
60°	2971.2	3095.8	3972.3	4947.6	6361.3	8806.8	12089.0	13996.1	15964.8	16007.3
62.5°	1673.2	1719.5	2110.1	3559.7	4946.4	7502.4	11499.1	14241.5	17255.1	17435.0
65°	1155.3	1178.4	1328.8	2215.5	3428.7	5973.2	10346.4	14088.6	18547.9	18911.6
67.5°	839.2	850.7	944.6	1353.2	2034.3	4330.8	8539.5	13317.5	19232.9	19840.7
70°	645.1	652.8	720.9	889.3	1201.6	2673.0	6201.9	11784.4	18736.8	19462.9
72.5°	524.3	532.0	584.7	658.0	796.8	1580.7	3758.9	9570.2	16547.0	17330.9
75°	442.1	452.4	499.9	547.5	624.6	1015.2	1763.2	6664.5	12443.7	12957.7
77.5°	245.5	226.2	406.1	453.6	526.9	642.6	825.0	3922.1	6969.1	7111.8
80°	152.9	158.1	322.6	365.0	404.8	323.8	377.8	1510.0	2416.0	2295.2
82.5°	9.0	20.6	248.0	263.4	277.6	138.8	142.6	512.8	582.2	534.6
85°	0.0	0.0	113.1	91.2	96.4	39.8	41.1	119.5	78.4	84.8
87.5°	0.0	0.0	0.0	2.6	0.0	3.9	7.7	10.3	3.9	5.1
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°
2386.4	0°	2386.4	2386.4	2386.4	2386.4	2386.4	2386.4	2386.4	2386.4	2386.4	2386.4
2508.5	2.5°	2418.6	2328.6	2146.1	1967.5	1822.3	1687.3	1591.0	1499.7	1453.5	1450.9
2670.4	5°	2491.8	2302.9	1937.9	1615.4	1355.8	1147.6	1012.7	916.3	867.4	850.7
2869.6	7.5°	2594.6	2310.6	1755.5	1307.0	1001.1	822.5	745.4	714.5	704.2	692.7
3094.5	10°	2724.4	2328.6	1592.2	1052.5	789.1	699.1	668.3	655.4	647.7	640.0
3347.7	12.5°	2869.6	2345.3	1430.3	873.9	694.0	647.7	625.8	610.4	600.1	591.1
3607.3	15°	3011.0	2355.6	1262.0	749.2	645.1	607.9	584.7	568.0	553.9	543.6
3861.7	17.5°	3151.1	2369.7	1103.9	674.7	605.3	568.0	544.9	524.3	512.8	501.2
4129.0	20°	3306.6	2367.2	954.8	622.0	565.4	528.2	503.8	484.5	472.9	460.1
4411.8	22.5°	3450.5	2354.3	823.8	577.0	524.3	488.3	461.4	442.1	430.5	420.2
4700.9	25°	3616.3	2344.0	714.5	535.9	485.8	449.8	420.2	402.2	389.4	380.4
4991.3	27.5°	3775.6	2328.6	634.8	498.6	448.5	413.8	385.5	365.0	353.4	347.0
5290.8	30°	3932.4	2324.8	605.3	462.6	415.1	380.4	352.1	332.8	323.8	321.3
5619.8	32.5°	4121.3	2335.0	618.1	449.8	384.2	349.5	322.6	308.4	299.4	299.4
5986.0	35°	4323.1	2332.5	637.4	461.4	363.7	318.7	298.1	289.1	280.2	280.2
6392.1	37.5°	4576.3	2336.3	652.8	480.6	356.0	293.0	281.4	269.9	264.7	264.7
6836.8	40°	4954.1	2463.5	645.1	497.3	353.4	275.0	251.9	248.0	244.2	244.2
7339.2	42.5°	5416.7	2739.8	655.4	498.6	352.1	262.2	231.3	239.0	230.0	228.7
7906.0	45°	5923.0	3041.8	720.9	471.6	350.8	255.7	221.0	230.0	215.9	215.9
8562.6	47.5°	6425.5	3341.3	787.8	433.1	347.0	254.5	212.0	206.9	203.0	204.3
9418.5	50°	7118.2	3585.4	813.5	380.4	338.0	251.9	195.3	196.6	194.1	196.6
10625.2	52.5°	7872.5	3636.8	782.6	321.3	312.3	244.2	183.8	188.9	187.6	190.2
11474.7	55°	8342.9	3581.6	646.4	267.3	272.4	213.3	172.2	182.5	182.5	182.5
12304.9	57.5°	8828.7	3346.4	458.8	217.2	226.2	174.8	161.9	176.1	174.8	173.5
13304.7	60°	9178.2	2966.0	302.0	178.6	179.9	143.9	150.4	165.8	164.5	158.1
14335.3	62.5°	9439.1	2545.8	194.1	151.6	137.5	129.8	137.5	150.4	145.2	131.1
15209.2	65°	9409.5	1963.6	149.1	129.8	113.1	113.1	119.5	131.1	115.7	92.5
15376.3	67.5°	8860.8	1328.8	123.4	109.2	95.1	93.8	99.0	109.2	99.0	78.4
14520.4	70°	7880.3	868.7	99.0	84.8	75.8	69.4	79.7	93.8	83.5	63.0
12361.4	72.5°	6396.0	529.5	74.5	61.7	55.3	45.0	63.0	77.1	66.8	46.3
8596.1	75°	4138.0	269.9	51.4	39.8	29.6	27.0	46.3	57.8	46.3	28.3
3814.2	77.5°	1583.2	113.1	28.3	18.0	15.4	12.9	25.7	34.7	19.3	6.4
738.9	80°	304.6	47.5	14.1	9.0	7.7	5.1	3.9	2.6	0.0	0.0
131.1	82.5°	52.7	15.4	5.1	2.6	0.0	0.0	0.0	0.0	0.0	0.0
25.7	85°	18.0	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9.0	87.5°	6.4	0.0	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°
2386.4
1448.3
848.2
690.1
637.4
588.6
542.3
499.9
458.8
418.9
379.1
347.0
320.0
299.4
280.2
264.7
244.2
227.5
215.9
204.3
196.6
190.2
182.5
173.5
158.1
128.5
90.0
75.8
60.4
43.7
24.4
5.1
0.0
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