

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: P948854

Luminaire Tested: **GALN-SB3D-740-U-T2R-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P948854  
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-SB3D-740-U-T2R-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 70 CRI, 4000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II  
ROADWAY OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

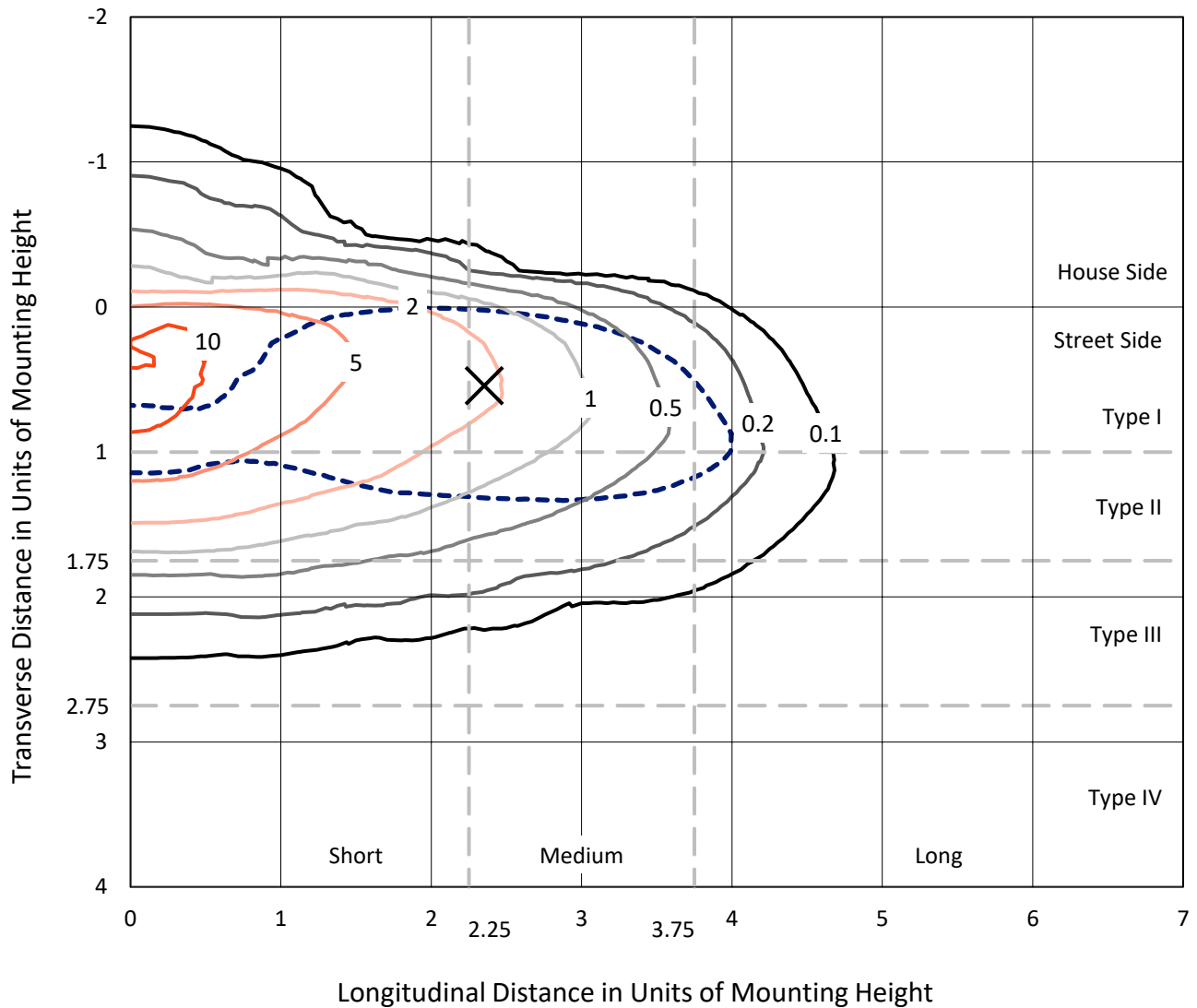
Lumens per Lamp: N/A  
Luminaire Lumens: 27349 lumens  
Efficiency: N/A  
Efficacy: 125.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B2 - U0 - G4  
  
Input Watts (W): 218.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

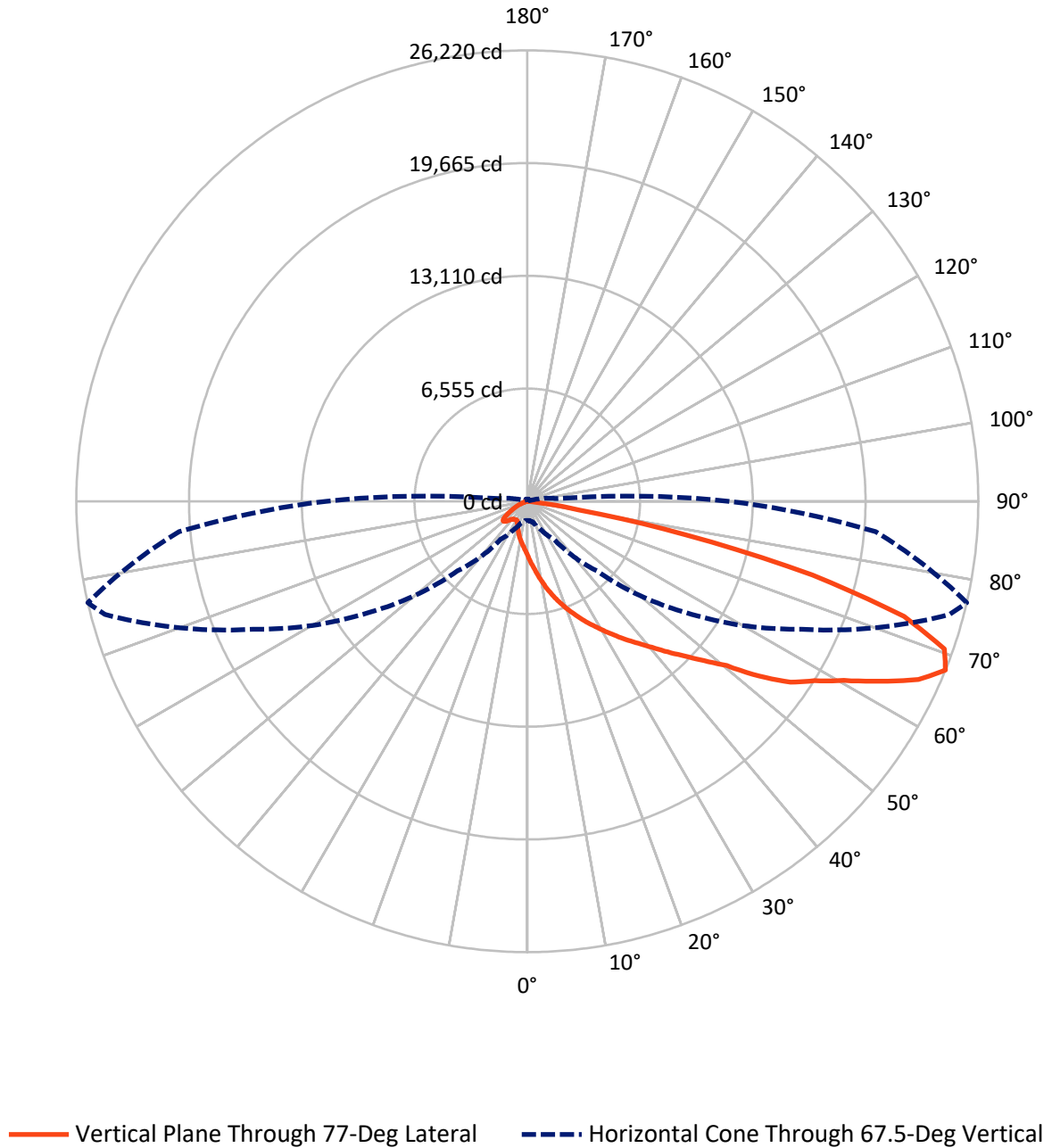
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.8 fc  
 Type II - Medium - N/A

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### Luminous Intensity Polar Plot



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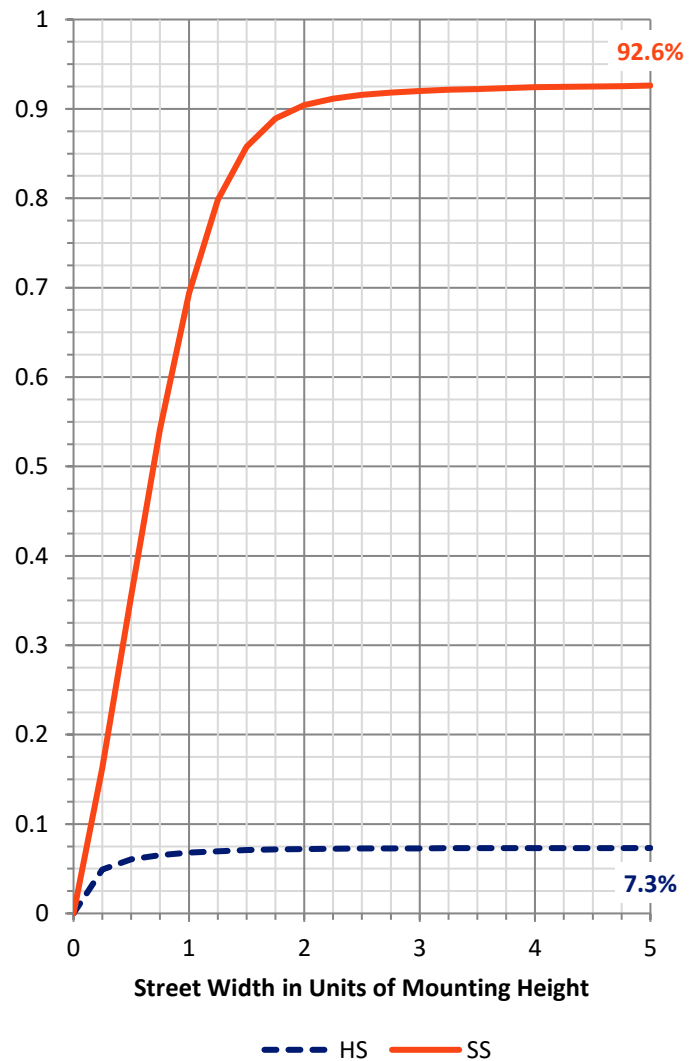
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2012.1	0.0	2012.1
	% Fixture	7.4	0.0	7.4
<b>Street Side</b>	Lumens	25336.9	0.0	25336.9
	% Fixture	92.6	0.0	92.6
<b>Total</b>	Lumens	27349.0	0.0	27349.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	321.9	1.2
10°-20°	1127.2	4.1
20°-30°	2175.2	8.0
30°-40°	3776.3	13.8
40°-50°	5483.0	20.0
50°-60°	6296.6	23.0
60°-70°	5466.6	20.0
70°-80°	2574.8	9.4
80°-90°	127.3	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°	27349.0	100.0
0°-180°	27349.0	100.0

**Coefficient of Utilization**



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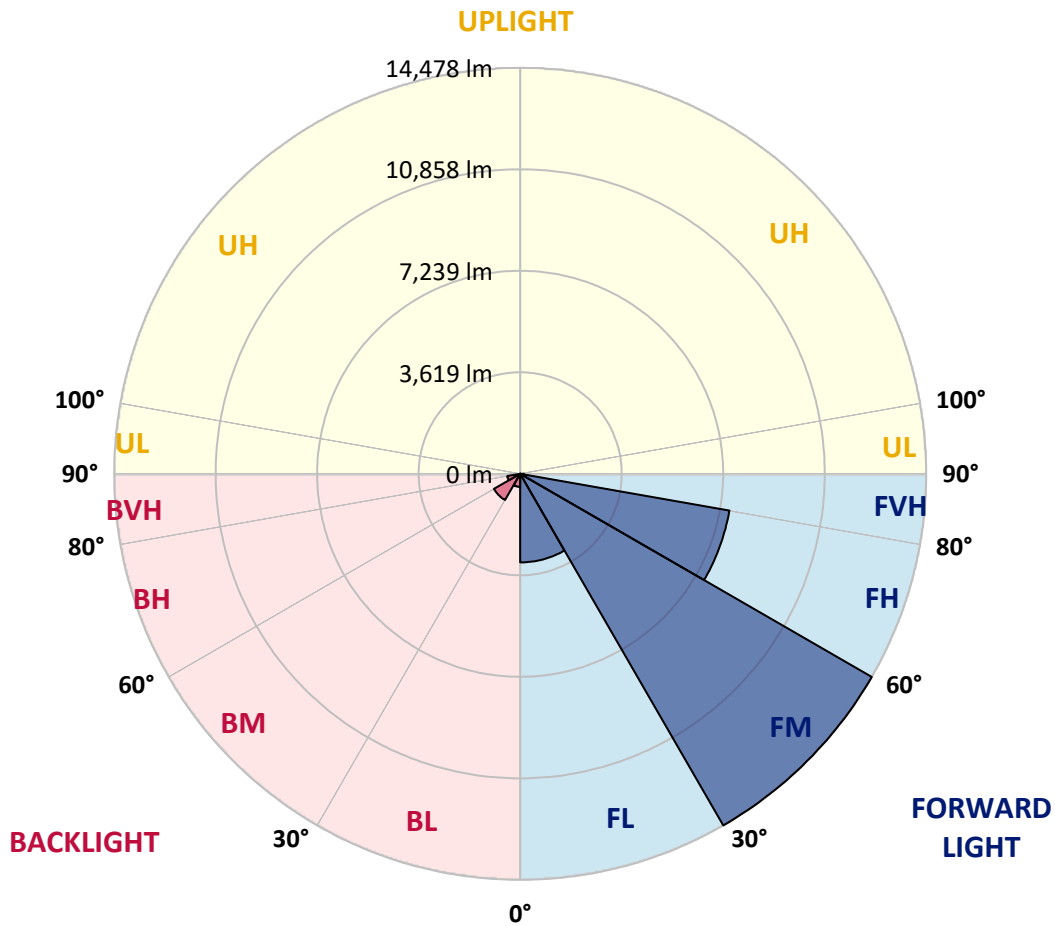
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3158.5	11.5			
FM (30°-60°)	14477.8	52.9			
FH (60°-80°)	7575.6	27.7			G4/12000
FVH (80°-90°)	125.0	0.5			G2/225
BL (0°-30°)	465.8	1.7	B1/500		
BM (30°-60°)	1078.1	3.9	B2/2500		
BH (60°-80°)	465.8	1.7	B1/500		G1/500
BVH (80°-90°)	2.3	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-G4**

Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°
0°	3153.7	3153.7	3153.7	3153.7	3153.7	3153.7	3153.7	3153.7	3153.7	3153.7
2.5°	4366.3	4393.5	4354.4	4279.7	4167.6	4094.6	3916.3	3748.1	3561.3	3501.9
5°	5322.5	5346.2	5302.1	5220.6	5071.1	4928.5	4694.1	4342.6	3977.4	3860.2
7.5°	6030.7	6044.2	6027.3	5952.5	5809.9	5648.5	5387.0	4970.9	4429.2	4300.1
10°	6540.2	6584.3	6579.2	6550.3	6455.2	6324.5	6045.9	5572.1	4935.3	4768.8
12.5°	6878.1	6927.4	6956.2	7020.8	7015.7	6932.5	6687.9	6186.9	5439.7	5244.3
15°	6976.6	7029.3	7139.7	7289.1	7421.6	7464.0	7292.5	6789.8	5995.0	5745.3
17.5°	6920.6	7002.1	7134.6	7370.6	7661.0	7852.9	7834.3	7372.3	6499.4	6214.1
20°	7044.5	7122.7	7226.3	7425.0	7762.9	8111.1	8250.3	7929.4	7000.4	6701.5
22.5°	7730.7	7717.1	7727.3	7759.5	7961.6	8306.4	8593.4	8435.5	7496.3	7190.6
25°	8817.6	8756.4	8652.8	8477.9	8427.0	8593.4	8892.3	8883.8	8019.4	7691.6
27.5°	10064.1	10053.9	9811.1	9389.9	9152.1	9087.6	9230.3	9320.3	8537.4	8187.5
30°	11258.0	11285.2	10957.4	10488.7	10052.2	9799.2	9670.1	9734.7	9063.8	8722.5
32.5°	12297.4	12326.3	11969.6	11421.1	10881.0	10575.3	10303.6	10143.9	9637.8	9265.9
35°	13175.4	13204.3	12795.0	12188.7	11613.0	11336.1	11028.8	10592.3	10215.3	9868.8
37.5°	13960.0	13951.5	13403.0	12791.6	12226.1	12007.0	11845.6	11144.2	10809.7	10475.1
40°	14423.7	14459.3	13990.6	13316.4	12767.8	12608.2	12598.0	11828.7	11495.8	11171.4
42.5°	14559.5	14622.4	14282.7	13729.1	13231.4	13058.2	13324.9	12569.1	12294.0	11978.1
45°	14315.0	14376.1	14221.6	13837.7	13547.3	13435.2	13949.8	13336.7	13146.5	12834.0
47.5°	13601.7	13678.1	13715.5	13633.9	13630.5	13744.3	14510.3	14145.1	14158.7	13839.4
50°	12221.0	12350.0	12693.1	12981.8	13428.5	13988.9	15055.4	15021.5	15300.0	15024.9
52.5°	9710.9	9894.3	11076.3	11866.0	12869.7	13943.0	15654.9	16427.6	17302.3	16899.8
55°	7803.7	7803.7	8764.9	10242.4	11779.4	13640.7	15916.5	17341.3	18666.0	18570.9
57.5°	6361.8	6438.3	7051.3	8357.3	10201.7	12920.7	16077.8	17915.4	19764.8	19695.2
60°	3926.5	4091.2	5249.4	6538.5	8406.6	11638.4	15975.9	18496.2	21098.0	21154.0
62.5°	2211.2	2272.3	2788.6	4704.3	6536.8	9914.7	15196.4	18820.6	22803.1	23040.8
65°	1526.8	1557.3	1756.0	2927.9	4531.1	7893.7	13673.0	18618.5	24511.6	24992.2
67.5°	1109.0	1124.3	1248.2	1788.3	2688.4	5723.3	11285.2	17599.5	25416.7	26220.0
70°	852.5	862.7	952.7	1175.2	1587.9	3532.5	8196.0	15573.4	24761.2	25720.7
72.5°	692.9	703.1	772.7	869.5	1052.9	2088.9	4967.5	12647.2	21867.3	22903.3
75°	584.2	597.8	660.6	723.5	825.4	1341.7	2330.1	8807.4	16444.6	17124.0
77.5°	324.4	298.9	536.7	599.5	696.3	849.1	1090.3	5183.2	9209.9	9398.4
80°	202.1	208.9	426.3	482.3	535.0	428.0	499.3	1995.5	3192.8	3033.2
82.5°	11.9	27.2	327.8	348.2	366.8	183.4	188.5	677.6	769.3	706.5
85°	0.0	0.0	149.5	120.6	127.4	52.6	54.3	157.9	103.6	112.1
87.5°	0.0	0.0	0.0	3.4	0.0	5.1	10.2	13.6	5.1	6.8
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°
3153.7	0°	3153.7	3153.7	3153.7	3153.7	3153.7	3153.7	3153.7	3153.7	3153.7	3153.7
3315.1	2.5°	3196.2	3077.3	2836.2	2600.1	2408.2	2229.9	2102.5	1981.9	1920.8	1917.4
3529.1	5°	3293.0	3043.4	2561.0	2134.8	1791.7	1516.6	1338.3	1210.9	1146.4	1124.3
3792.3	7.5°	3428.9	3053.5	2319.9	1727.2	1323.0	1086.9	985.0	944.3	930.7	915.4
4089.5	10°	3600.4	3077.3	2104.2	1390.9	1042.8	923.9	883.1	866.1	855.9	845.8
4424.1	12.5°	3792.3	3099.4	1890.2	1154.8	917.1	855.9	827.1	806.7	793.1	781.2
4767.1	15°	3979.1	3113.0	1667.7	990.1	852.5	803.3	772.7	750.6	732.0	718.4
5103.4	17.5°	4164.2	3131.7	1458.8	891.6	799.9	750.6	720.1	692.9	677.6	662.3
5456.6	20°	4369.7	3128.3	1261.8	822.0	747.3	698.0	665.7	640.3	625.0	608.0
5830.3	22.5°	4559.9	3111.3	1088.6	762.5	692.9	645.4	609.7	584.2	568.9	555.3
6212.4	25°	4779.0	3097.7	944.3	708.2	642.0	594.4	555.3	531.6	514.6	502.7
6596.2	27.5°	4989.6	3077.3	839.0	658.9	592.7	546.9	509.5	482.3	467.0	458.5
6991.9	30°	5196.8	3072.2	799.9	611.4	548.6	502.7	465.3	439.9	428.0	424.6
7426.7	32.5°	5446.4	3085.8	816.9	594.4	507.8	461.9	426.3	407.6	395.7	395.7
7910.7	35°	5713.1	3082.4	842.4	609.7	480.6	421.2	394.0	382.1	370.2	370.2
8447.3	37.5°	6047.6	3087.5	862.7	635.2	470.4	387.2	371.9	356.6	349.8	349.8
9035.0	40°	6546.9	3255.6	852.5	657.2	467.0	363.4	332.9	327.8	322.7	322.7
9699.0	42.5°	7158.3	3620.8	866.1	658.9	465.3	346.5	305.7	315.9	304.0	302.3
10447.9	45°	7827.5	4019.9	952.7	623.3	463.6	338.0	292.1	304.0	285.3	285.3
11315.8	47.5°	8491.5	4415.6	1041.1	572.3	458.5	336.3	280.2	273.4	268.3	270.0
12446.8	50°	9406.9	4738.3	1075.0	502.7	446.7	332.9	258.1	259.8	256.4	259.8
14041.5	52.5°	10403.8	4806.2	1034.3	424.6	412.7	322.7	242.9	249.6	248.0	251.3
15164.1	55°	11025.4	4733.2	854.2	353.2	360.0	281.9	227.6	241.2	241.2	241.2
16261.2	57.5°	11667.3	4422.4	606.3	287.0	298.9	231.0	214.0	232.7	231.0	229.3
17582.5	60°	12129.3	3919.7	399.1	236.1	237.8	190.2	198.7	219.1	217.4	208.9
18944.5	62.5°	12474.0	3364.3	256.4	200.4	181.7	171.5	181.7	198.7	191.9	173.2
20099.4	65°	12434.9	2595.0	197.0	171.5	149.5	149.5	157.9	173.2	152.8	122.3
20320.2	67.5°	11709.8	1756.0	163.0	144.4	125.7	124.0	130.8	144.4	130.8	103.6
19189.1	70°	10414.0	1148.1	130.8	112.1	100.2	91.7	105.3	124.0	110.4	83.2
16335.9	72.5°	8452.4	699.7	98.5	81.5	73.0	59.4	83.2	101.9	88.3	61.1
11359.9	75°	5468.5	356.6	67.9	52.6	39.1	35.7	61.1	76.4	61.1	37.4
5040.6	77.5°	2092.3	149.5	37.4	23.8	20.4	17.0	34.0	45.9	25.5	8.5
976.5	80°	402.5	62.8	18.7	11.9	10.2	6.8	5.1	3.4	0.0	0.0
173.2	82.5°	69.6	20.4	6.8	3.4	0.0	0.0	0.0	0.0	0.0	0.0
34.0	85°	23.8	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11.9	87.5°	8.5	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°
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3153.7
1914.0
1120.9
912.0
842.4
777.8
716.7
660.6
606.3
553.6
501.0
458.5
422.9
395.7
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322.7
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