

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: P942067

Luminaire Tested: **GALN-SB5D-927-U-T3**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P942067  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB5D-927-U-T3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 90 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

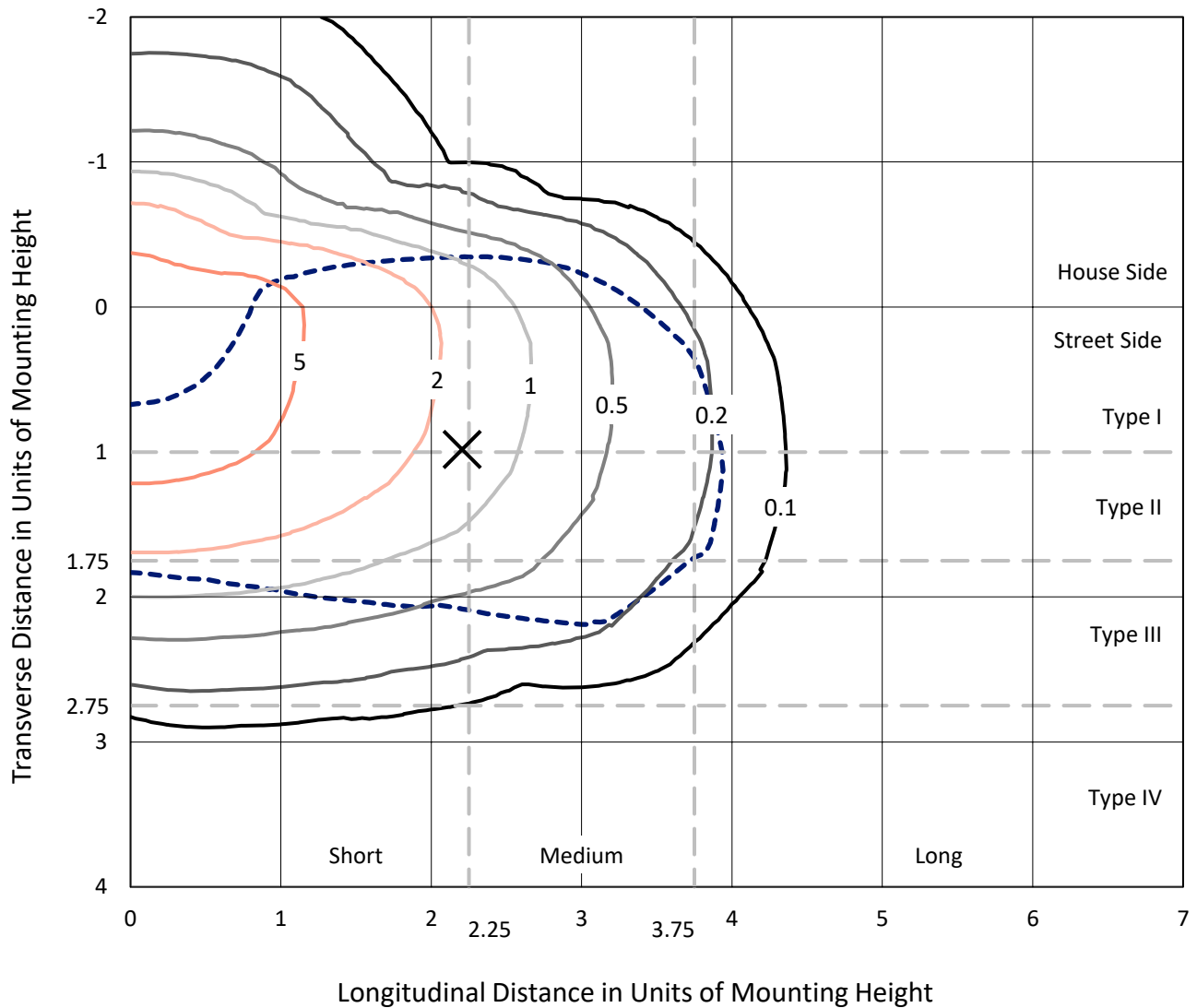
Lumens per Lamp: N/A  
Luminaire Lumens: 31310 lumens  
Efficiency: N/A  
Efficacy: 85.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G4  
  
Input Watts (W): 364.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

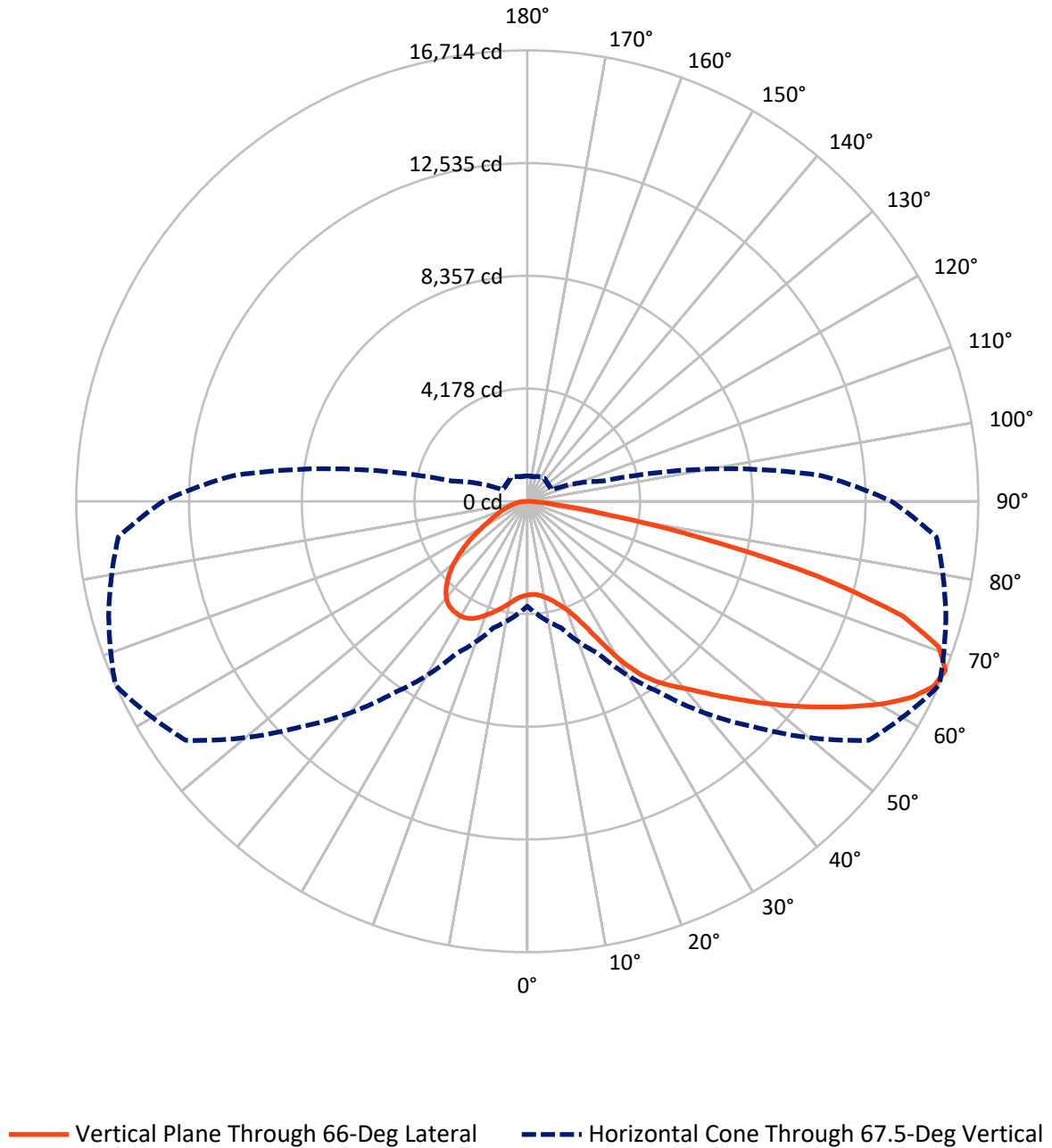
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.9 fc  
 Type III - 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	7785.1	0.0	7785.1
	% Fixture	24.9	0.0	24.9
<b>Street Side</b>	Lumens	23524.8	0.0	23524.8
	% Fixture	75.1	0.0	75.1
<b>Total</b>	Lumens	31310.0	0.0	31310.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	344.3	1.1
10°-20°	1137.5	3.6
20°-30°	2192.5	7.0
30°-40°	3844.3	12.3
40°-50°	5715.2	18.3
50°-60°	7244.6	23.1
60°-70°	7088.7	22.6
70°-80°	3381.4	10.8
80°-90°	361.4	1.2
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°	31310.0	100.0
0°-180°	31310.0	100.0

**Coefficient of Utilization**



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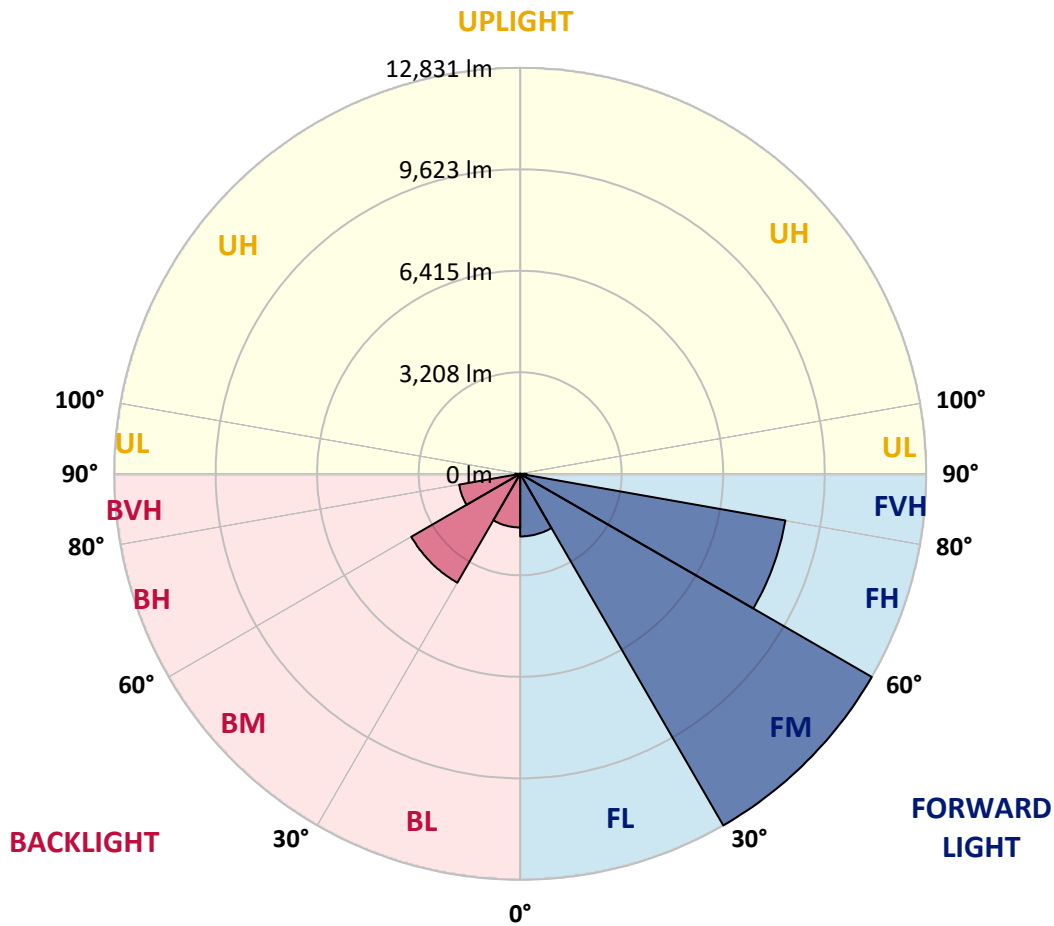
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1978.5	6.3			
FM (30°-60°)	12830.6	41.0			
FH (60°-80°)	8510.9	27.2			G4/12000
FVH (80°-90°)	204.9	0.7			G2/225
BL (0°-30°)	1695.9	5.4	B3/2500		
BM (30°-60°)	3973.6	12.7	B3/5000		
BH (60°-80°)	1959.1	6.3	B3/2500		G3/2500
BVH (80°-90°)	156.5	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

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

Type III Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	3472.7	3472.7	3472.7	3472.7	3472.7	3472.7	3472.7	3472.7	3472.7	3472.7
2.5°	3436.5	3456.2	3451.3	3443.1	3441.4	3444.7	3449.7	3454.6	3453.0	3461.2
5°	3426.6	3446.4	3444.7	3444.7	3451.3	3464.5	3472.7	3480.9	3472.7	3482.6
7.5°	3433.2	3448.0	3454.6	3461.2	3477.6	3502.3	3522.0	3540.1	3530.3	3541.8
10°	3517.1	3528.6	3535.2	3535.2	3546.7	3574.7	3594.4	3627.3	3619.1	3637.2
12.5°	3670.1	3681.6	3681.6	3675.0	3683.3	3701.4	3707.9	3744.1	3729.3	3758.9
15°	3857.6	3880.7	3862.6	3851.1	3854.3	3872.4	3870.8	3898.8	3884.0	3908.6
17.5°	4064.9	4094.5	4064.9	4063.3	4056.7	4076.4	4078.1	4102.7	4076.4	4094.5
20°	4310.0	4351.1	4326.5	4334.7	4319.9	4328.1	4336.3	4372.5	4331.4	4344.6
22.5°	4655.5	4704.8	4678.5	4709.8	4699.9	4693.3	4691.7	4755.8	4691.7	4696.6
25°	5158.9	5218.1	5172.0	5214.8	5214.8	5236.2	5260.9	5343.1	5236.2	5204.9
27.5°	5902.4	5961.6	5871.2	5897.5	5889.3	5941.9	5915.6	6119.6	6004.4	5953.4
30°	6797.3	6902.6	6731.5	6724.9	6716.7	6800.6	6838.5	6973.4	6856.6	6805.6
32.5°	7764.6	7874.8	7670.9	7611.6	7580.4	7631.4	7600.1	7708.7	7628.1	7549.1
35°	8787.8	8896.4	8702.3	8587.1	8462.1	8355.2	8243.3	8271.3	8195.6	8075.5
37.5°	9755.1	9954.2	9748.5	9625.2	9394.9	9185.9	8873.4	8743.4	8672.7	8562.5
40°	10740.5	10854.0	10697.7	10592.5	10342.4	10015.0	9514.9	9240.2	9144.8	9037.9
42.5°	11466.0	11574.5	11490.6	11418.3	11222.5	10842.5	10196.0	9852.2	9714.0	9593.9
45°	12041.7	12122.3	12069.7	12096.0	12012.1	11643.6	10901.7	10508.6	10365.4	10219.0
47.5°	12273.7	12359.2	12443.1	12599.4	12742.5	12471.1	11660.1	11219.2	11067.9	10918.2
50°	12247.4	12334.6	12578.0	12910.3	13354.5	13264.0	12459.6	11975.9	11836.1	11665.0
52.5°	12036.8	12135.5	12448.1	13000.8	13708.2	13857.9	13273.9	12757.3	12625.7	12421.7
55°	11484.1	11543.3	12012.1	12795.2	13792.1	14272.4	14071.7	13589.7	13458.1	13173.5
57.5°	10459.2	10544.7	11227.4	12240.8	13581.5	14553.7	14772.5	14464.9	14338.2	13928.6
60°	9121.8	9258.3	10039.7	11309.7	13045.2	14552.1	15409.1	15325.3	15220.0	14672.2
62.5°	7608.3	7766.3	8518.0	9993.7	12107.5	14139.2	15807.3	16045.8	15991.5	15358.2
65°	5843.2	5951.8	6700.3	8291.0	10648.4	13252.5	15853.3	16537.7	16547.5	15879.6
67.5°	3890.5	4203.1	4852.9	6221.6	8694.1	11803.2	15448.6	16618.3	16713.7	16058.9
70°	1898.4	2309.6	2946.3	4043.5	6221.6	9580.7	14390.9	15956.9	16169.2	15535.8
72.5°	788.0	921.2	1268.3	1995.4	3571.4	6465.0	12265.5	14163.8	14557.0	13765.7
75°	531.3	575.8	725.5	1023.2	1627.0	3188.1	8845.4	10561.2	11194.5	10396.7
77.5°	409.6	437.6	528.1	715.6	967.3	1205.8	4734.4	6364.7	6692.0	6195.2
80°	322.4	343.8	394.8	521.5	686.0	644.9	1613.8	2883.8	3072.9	2577.8
82.5°	279.7	287.9	282.9	353.7	455.7	376.7	529.7	1064.3	1174.6	852.1
85°	202.3	225.4	235.2	218.8	241.8	190.8	217.1	376.7	414.6	370.1
87.5°	82.3	121.7	149.7	141.5	88.8	54.3	67.4	110.2	126.7	138.2
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°
3472.7	0°	3472.7	3472.7	3472.7	3472.7	3472.7	3472.7	3472.7	3472.7	3472.7	3472.7
3474.3	2.5°	3476.0	3487.5	3495.7	3505.6	3512.2	3522.0	3541.8	3553.3	3554.9	3563.2
3500.7	5°	3507.2	3523.7	3541.8	3568.1	3597.7	3622.4	3660.2	3686.5	3696.4	3704.6
3564.8	7.5°	3574.7	3597.7	3630.6	3676.7	3719.4	3752.4	3798.4	3829.7	3860.9	3872.4
3666.8	10°	3675.0	3707.9	3755.6	3818.2	3864.2	3907.0	3954.7	3981.0	4012.3	4025.4
3788.5	12.5°	3800.1	3834.6	3897.1	3984.3	4027.1	4056.7	4073.1	4066.6	4073.1	4084.7
3935.0	15°	3943.2	3981.0	4051.7	4145.5	4175.1	4148.8	4112.6	4079.7	4074.8	4078.1
4112.6	17.5°	4112.6	4140.6	4222.8	4301.8	4280.4	4171.8	4092.9	4040.2	4013.9	4005.7
4339.6	20°	4349.5	4349.5	4416.9	4466.3	4323.2	4138.9	4015.6	3930.0	3875.7	3852.7
4648.9	22.5°	4637.4	4611.1	4653.8	4619.3	4315.0	4046.8	3875.7	3727.7	3645.4	3612.5
5081.5	25°	5002.6	4971.3	4959.8	4746.0	4255.7	3900.4	3622.4	3443.1	3370.7	3352.6
5705.0	27.5°	5553.7	5474.7	5325.0	4815.1	4147.2	3670.1	3326.3	3160.1	3119.0	3120.7
6506.2	30°	6287.4	6129.4	5762.6	4826.6	3969.5	3344.4	3023.6	2905.2	2885.4	2893.6
7179.0	32.5°	6966.8	6817.1	6210.0	4773.9	3696.4	3025.2	2752.2	2673.2	2643.6	2653.5
7692.2	35°	7499.8	7458.6	6624.6	4699.9	3360.8	2725.8	2508.7	2441.2	2383.7	2370.5
8175.9	37.5°	8003.2	7986.7	6935.5	4596.3	3028.5	2513.6	2312.9	2224.1	2140.2	2094.1
8710.5	40°	8555.9	8539.4	7139.5	4436.7	2734.1	2329.4	2136.9	2020.1	1916.5	1832.6
9315.9	42.5°	9177.7	9080.7	7236.6	4208.0	2484.0	2173.1	1993.8	1835.9	1699.3	1622.0
10000.2	45°	9857.1	9638.3	7234.9	3916.9	2273.5	2030.0	1840.8	1617.1	1490.4	1418.0
10702.7	47.5°	10577.6	10171.3	7146.1	3594.4	2069.5	1872.1	1603.9	1432.8	1348.9	1304.5
11466.0	50°	11321.2	10669.8	6994.7	3224.3	1860.5	1692.8	1455.9	1339.1	1274.9	1233.8
12222.7	52.5°	12020.4	11122.2	6812.1	2804.8	1648.3	1518.4	1390.1	1299.6	1232.1	1186.1
12956.4	55°	12670.1	11512.0	6553.9	2375.4	1475.6	1401.6	1358.8	1283.1	1205.8	1151.5
13701.6	57.5°	13247.6	11765.4	6108.1	1972.4	1352.2	1321.0	1325.9	1255.2	1166.3	1120.3
14435.3	60°	13727.9	11951.3	5448.4	1599.0	1251.9	1242.0	1274.9	1202.5	1098.9	1046.2
15055.5	62.5°	14015.8	11948.0	4639.0	1309.5	1166.3	1169.6	1207.5	1136.7	1031.4	982.1
15379.5	65°	13991.1	11655.2	3750.7	1120.3	1084.1	1087.4	1136.7	1064.3	975.5	945.9
15216.7	67.5°	13496.0	10941.2	2877.2	996.9	993.6	1008.4	1066.0	1015.0	941.0	937.7
14246.1	70°	12155.2	9459.0	2072.8	898.2	899.8	921.2	996.9	983.7	922.9	929.5
11977.6	72.5°	9746.9	7211.9	1391.7	794.6	796.2	830.7	931.1	959.1	904.8	992.0
8498.3	75°	6491.4	4497.6	894.9	684.3	686.0	730.4	873.5	911.4	855.4	988.7
4421.9	77.5°	3119.0	2021.8	648.1	575.8	575.8	616.9	755.1	815.9	728.8	768.2
1421.3	80°	1077.5	760.0	510.0	463.9	454.0	482.0	636.6	707.4	628.4	579.1
463.9	82.5°	424.4	394.8	409.6	360.3	327.4	345.5	495.2	584.0	462.3	417.8
261.6	85°	243.5	256.6	289.5	238.5	189.2	212.2	363.6	419.5	348.7	307.6
85.5	87.5°	65.8	90.5	133.2	123.4	85.5	90.5	172.7	232.0	200.7	154.6
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>
3472.7
3561.5
3703.0
3874.1
4032.0
4087.9
4089.6
4017.2
3847.8
3607.6
3355.9
3125.6
2921.6
2666.6
2380.4
2095.8
1840.8
1627.0
1414.7
1294.7
1219.0
1166.3
1130.1
1090.7
1023.2
967.3
944.3
942.6
927.8
1005.1
996.9
704.1
542.9
416.2
314.2
159.6
0.0

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