

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: P953038

Luminaire Tested: **GALN-SB6C-950-U-T3R**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P953038  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: GALN-SB6C-950-U-T3R  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 90 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
ROADWAY OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

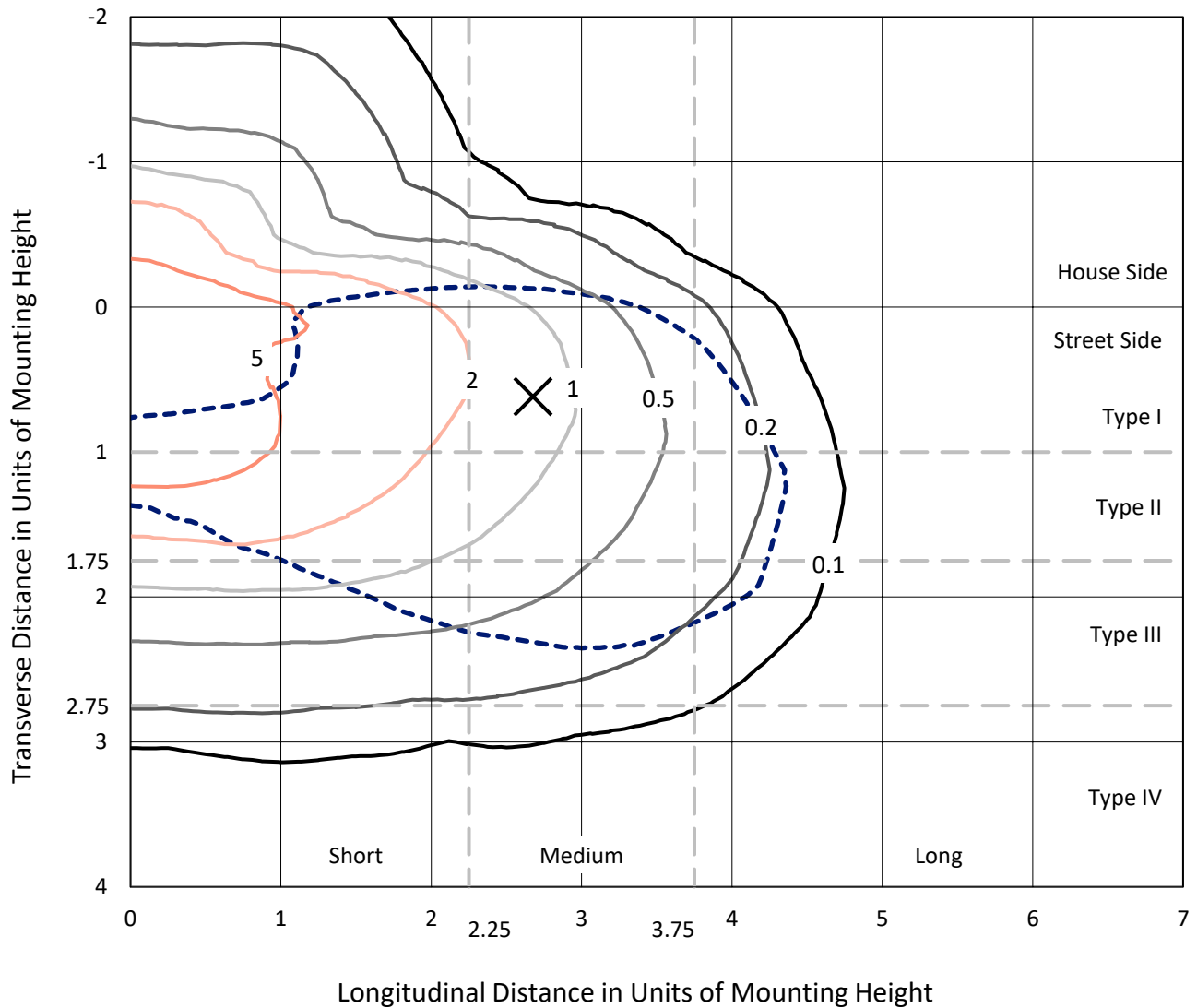
Lumens per Lamp: N/A  
Luminaire Lumens: 32433 lumens  
Efficiency: N/A  
Efficacy: 107.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B3 - U0 - G4  
  
Input Watts (W): 300.9  
Input Voltage (V): NR  
Input Current (Ain): 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

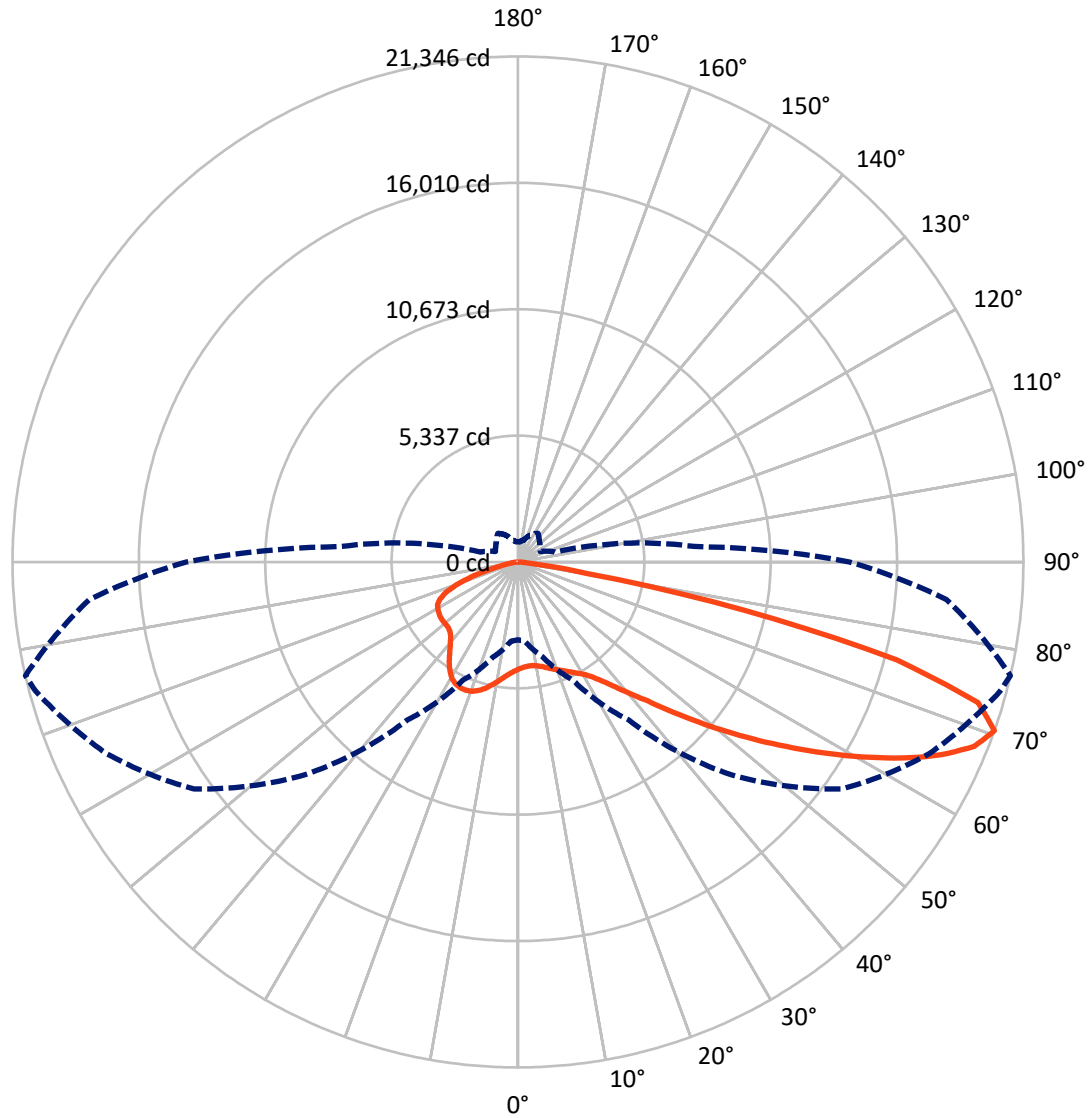
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.6 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	7102.3	0.0	7102.3
	% Fixture	21.9	0.0	21.9
<b>Street Side</b>	Lumens	25330.7	0.0	25330.7
	% Fixture	78.1	0.0	78.1
<b>Total</b>	Lumens	32433.0	0.0	32433.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	431.5	1.3
10°-20°	1245.5	3.8
20°-30°	2129.9	6.6
30°-40°	3425.1	10.6
40°-50°	5347.5	16.5
50°-60°	7142.9	22.0
60°-70°	7613.3	23.5
70°-80°	4686.7	14.5
80°-90°	410.7	1.3
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°	32433.0	100.0
0°-180°	32433.0	100.0

**Coefficient of Utilization**



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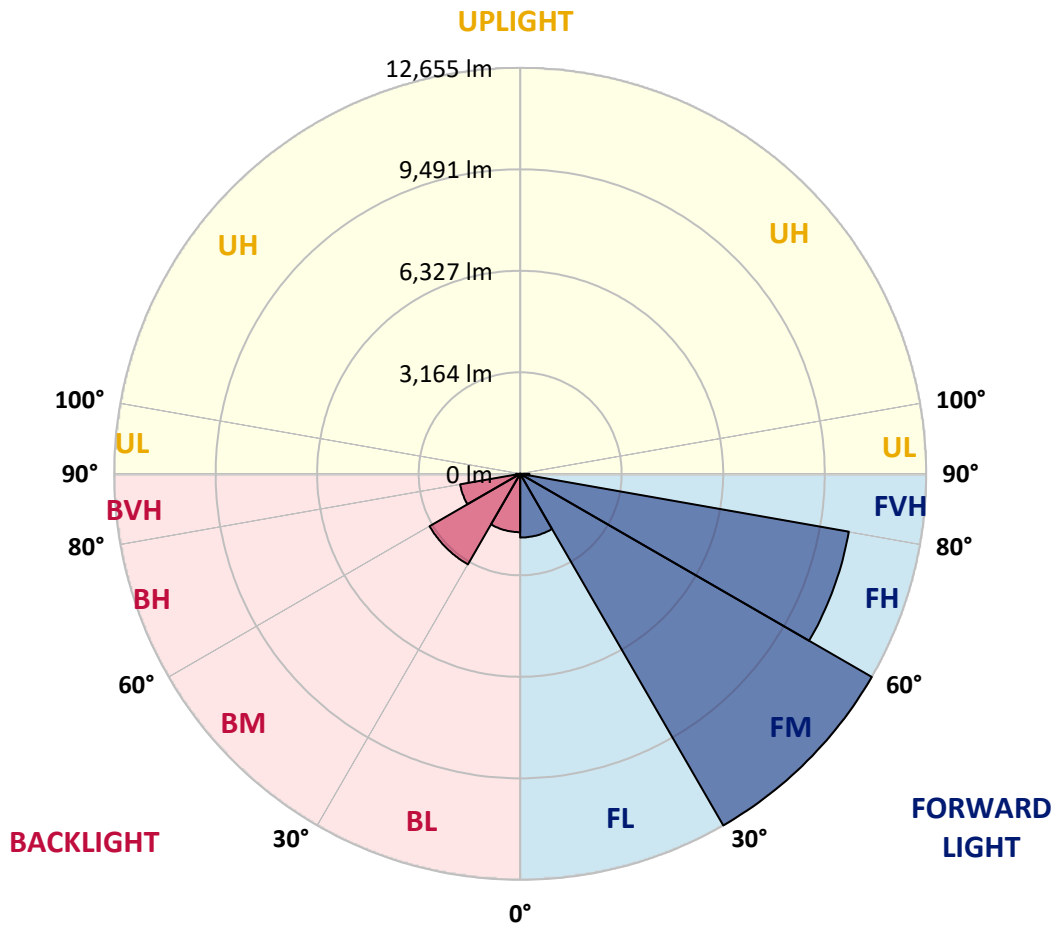
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1987.0	6.1			
FM (30°-60°)	12654.7	39.0			
FH (60°-80°)	10401.8	32.1			G4/12000
FVH (80°-90°)	287.2	0.9			G3/500
BL (0°-30°)	1819.8	5.6	B3/2500		
BM (30°-60°)	3260.8	10.1	B3/5000		
BH (60°-80°)	1898.1	5.9	B3/2500		G3/2500
BVH (80°-90°)	123.5	0.4			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 Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°
0°	4524.7	4524.7	4524.7	4524.7	4524.7	4524.7	4524.7	4524.7	4524.7	4524.7
2.5°	4170.9	4169.2	4190.8	4197.5	4237.3	4265.6	4318.7	4375.2	4448.3	4456.6
5°	3930.0	3930.0	3955.0	3981.5	4033.0	4089.5	4170.9	4268.9	4395.1	4415.1
7.5°	3725.7	3739.0	3760.6	3812.1	3871.9	3953.3	4077.9	4217.4	4383.5	4415.1
10°	3561.3	3576.2	3602.8	3644.3	3734.0	3847.0	4009.8	4189.2	4411.7	4461.6
12.5°	3509.8	3524.7	3539.7	3571.3	3654.3	3787.2	3981.5	4202.5	4479.9	4529.7
15°	3629.4	3647.7	3636.0	3627.7	3670.9	3792.2	3994.8	4250.6	4564.6	4636.0
17.5°	3905.1	3911.8	3885.2	3807.1	3800.5	3865.3	4057.9	4317.1	4670.9	4748.9
20°	4350.3	4338.7	4283.8	4129.4	4041.3	4028.0	4165.9	4416.7	4780.5	4863.6
22.5°	4954.9	4941.6	4832.0	4587.8	4391.8	4262.3	4322.1	4546.3	4903.4	4996.4
25°	5709.0	5690.8	5529.6	5197.4	4893.5	4572.9	4534.7	4717.4	5054.6	5140.9
27.5°	6589.4	6574.4	6400.0	5961.5	5523.0	4998.1	4798.8	4918.4	5212.4	5310.4
30°	7536.2	7579.4	7270.4	6798.7	6243.9	5552.9	5154.2	5165.9	5416.7	5504.7
32.5°	8649.1	8723.8	8351.8	7753.8	6996.3	6155.9	5602.7	5511.4	5714.0	5787.1
35°	9752.0	9836.7	9527.8	8866.7	7994.6	6866.8	6071.1	5908.4	6109.3	6189.1
37.5°	10705.5	10818.4	10659.0	10084.2	9062.7	7723.9	6682.4	6375.1	6596.0	6695.7
40°	11457.9	11630.7	11619.0	11260.3	10321.8	8763.7	7458.1	6951.5	7200.7	7308.6
42.5°	12069.2	12218.7	12348.2	12330.0	11635.7	9944.7	8370.0	7700.6	7890.0	8014.6
45°	12491.1	12650.6	12929.6	13230.3	12899.7	11208.8	9414.8	8589.3	8762.0	8949.7
47.5°	12868.2	13049.2	13411.3	13888.0	13972.8	12477.8	10559.3	9624.1	9781.9	9976.3
50°	12901.4	13057.5	13618.9	14295.0	14735.2	13697.0	11788.5	10785.2	10933.0	11140.7
52.5°	12099.1	12344.9	13324.9	14283.4	15085.7	14716.9	13009.3	11992.8	12158.9	12408.0
55°	9391.6	9752.0	12462.9	13838.2	14961.1	15376.3	14170.4	13276.8	13489.4	13750.2
57.5°	8089.3	8247.1	9893.2	13027.6	14393.0	15547.4	15150.4	14574.1	14916.2	15201.9
60°	7270.4	7401.6	8375.0	11766.9	13645.5	15276.7	15907.9	15783.3	16374.6	16715.1
62.5°	6393.4	6518.0	7403.3	9825.1	12688.8	14826.5	16386.3	16899.5	17869.6	18241.6
65°	5523.0	5629.3	6478.1	8255.4	11472.9	14376.4	16633.8	17864.6	19253.2	19638.6
67.5°	4552.9	4641.0	5443.3	6964.8	9994.5	13760.1	16756.7	18623.7	20457.5	20788.0
70°	3285.6	3353.7	4182.5	5508.0	8139.1	12700.4	16706.8	19161.9	21082.0	21346.1
72.5°	1553.1	1614.5	2587.9	3576.2	5748.9	10637.4	15698.6	18735.0	20447.5	20316.3
75°	828.9	882.0	1486.6	1961.7	3036.4	7292.0	12846.6	16138.8	17170.3	16532.4
77.5°	561.4	603.0	920.2	1177.7	1387.0	3461.6	8257.1	11173.9	10750.3	9697.2
80°	445.2	488.3	754.1	797.3	671.1	1250.8	3411.8	5172.5	3715.8	2971.6
82.5°	342.2	390.3	634.5	578.0	365.4	513.3	993.3	1636.1	951.8	724.2
85°	209.3	260.8	498.3	368.8	206.0	234.2	337.2	455.1	290.7	242.5
87.5°	106.3	149.5	252.5	134.5	93.0	54.8	89.7	89.7	76.4	66.4
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°
4524.7	0°	4524.7	4524.7	4524.7	4524.7	4524.7	4524.7	4524.7	4524.7	4524.7	4524.7
4501.4	2.5°	4541.3	4574.5	4631.0	4684.2	4725.7	4765.6	4805.4	4827.0	4833.7	4860.2
4526.4	5°	4594.5	4655.9	4765.6	4868.5	4933.3	4973.2	5001.4	5018.0	5021.4	5029.7
4594.5	7.5°	4692.5	4790.5	4943.3	5046.3	5094.4	5091.1	5079.5	5038.0	5021.4	5006.4
4694.1	10°	4830.3	4959.9	5147.6	5219.0	5189.1	5109.4	5006.4	4885.1	4828.7	4773.9
4830.3	12.5°	5001.4	5165.9	5350.2	5346.9	5199.1	4994.8	4755.6	4569.5	4451.6	4366.9
4998.1	15°	5209.1	5398.4	5539.6	5426.6	5102.7	4735.7	4385.2	4142.7	4036.4	3943.3
5167.5	17.5°	5423.3	5626.0	5690.8	5401.7	4860.2	4352.0	3955.0	3763.9	3659.3	3609.5
5350.2	20°	5632.6	5833.6	5780.5	5258.9	4491.5	3916.8	3563.0	3458.3	3436.7	3448.3
5528.0	22.5°	5853.5	6032.9	5798.7	4983.1	4021.4	3471.6	3277.3	3280.6	3328.7	3363.6
5714.0	25°	6079.4	6200.7	5750.6	4584.5	3516.4	3144.4	3096.2	3149.4	3244.0	3312.1
5923.3	27.5°	6297.0	6350.2	5645.9	4091.2	3082.9	2910.2	2918.5	3028.1	3170.9	3265.6
6177.4	30°	6542.9	6483.1	5444.9	3536.4	2782.3	2709.2	2778.9	2906.8	3049.7	3134.4
6498.0	32.5°	6820.3	6597.7	5126.0	3023.1	2569.6	2548.1	2662.7	2745.7	2808.8	2833.8
6923.3	35°	7165.8	6758.8	4717.4	2662.7	2378.6	2430.1	2539.7	2498.2	2473.3	2460.0
7494.7	37.5°	7614.3	6976.4	4239.0	2428.5	2224.1	2345.4	2390.3	2260.7	2162.7	2114.5
8187.3	40°	8154.1	7295.3	3778.9	2247.4	2126.1	2272.3	2194.2	2038.1	1913.5	1845.4
8966.3	42.5°	8753.7	7629.2	3391.9	2111.2	2071.3	2212.5	2049.7	1863.7	1662.7	1641.1
9894.9	45°	9383.3	7973.0	3127.8	2006.5	2044.8	2161.0	1966.7	1666.0	1523.2	1611.2
10826.7	47.5°	10012.8	8288.6	2968.3	1928.5	2031.5	2102.9	1893.6	1556.4	1455.1	1583.0
11825.0	50°	10713.8	8571.0	2896.9	1872.0	2016.5	2079.6	1784.0	1528.2	1383.7	1468.4
12858.2	52.5°	11409.8	8790.3	2843.7	1815.5	1994.9	2061.4	1730.8	1494.9	1297.3	1302.3
13898.0	55°	12104.1	8933.1	2785.6	1740.8	1946.8	2021.5	1725.8	1458.4	1232.5	1209.2
14997.6	57.5°	12844.9	9014.5	2714.2	1657.7	1863.7	1920.2	1720.8	1430.2	1212.6	1174.4
16122.1	60°	13599.0	9134.1	2621.1	1556.4	1752.4	1798.9	1709.2	1420.2	1200.9	1136.2
17181.9	62.5°	14275.1	9175.6	2509.8	1460.1	1609.6	1679.3	1684.3	1411.9	1169.4	1058.1
18062.3	65°	14718.6	8996.2	2315.5	1350.4	1455.1	1556.4	1636.1	1383.7	1112.9	1001.6
18497.4	67.5°	14700.3	8484.6	2011.5	1209.2	1305.6	1420.2	1566.4	1335.5	1044.8	931.8
18168.6	70°	14015.9	7474.7	1626.2	1044.8	1141.1	1274.0	1476.7	1264.1	963.4	855.4
16155.4	72.5°	12021.0	5850.2	1181.0	852.1	950.1	1122.9	1360.4	1177.7	880.4	787.3
11939.6	75°	8587.6	3702.5	800.6	654.5	739.2	951.8	1215.9	1076.4	803.9	790.7
5979.8	77.5°	4386.8	1769.0	529.9	478.4	514.9	750.8	1021.5	961.7	815.6	652.8
1700.9	80°	1426.8	652.8	333.9	325.6	342.2	500.0	790.7	789.0	617.9	443.5
411.9	82.5°	455.1	280.7	217.6	209.3	201.0	313.9	551.5	624.6	416.9	280.7
147.8	85°	181.1	167.8	127.9	117.9	84.7	147.8	289.0	415.3	310.6	202.6
38.2	87.5°	66.4	66.4	34.9	24.9	18.3	49.8	78.1	124.6	177.7	104.6
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>
4524.7
4875.2
5042.9
5009.7
4757.2
4347.0
3933.4
3624.4
3443.4
3371.9
3330.4
3288.9
3154.3
2847.0
2473.3
2126.1
1850.4
1662.7
1657.7
1642.8
1531.5
1337.1
1225.9
1179.3
1141.1
1058.1
1001.6
936.8
865.4
782.4
745.8
581.4
392.0
279.1
207.6
103.0
0.0

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