

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: P952954

Luminaire Tested: **GALN-SB6C-927-U-T3R**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P952954  
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-927-U-T3R  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 90 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
ROADWAY OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

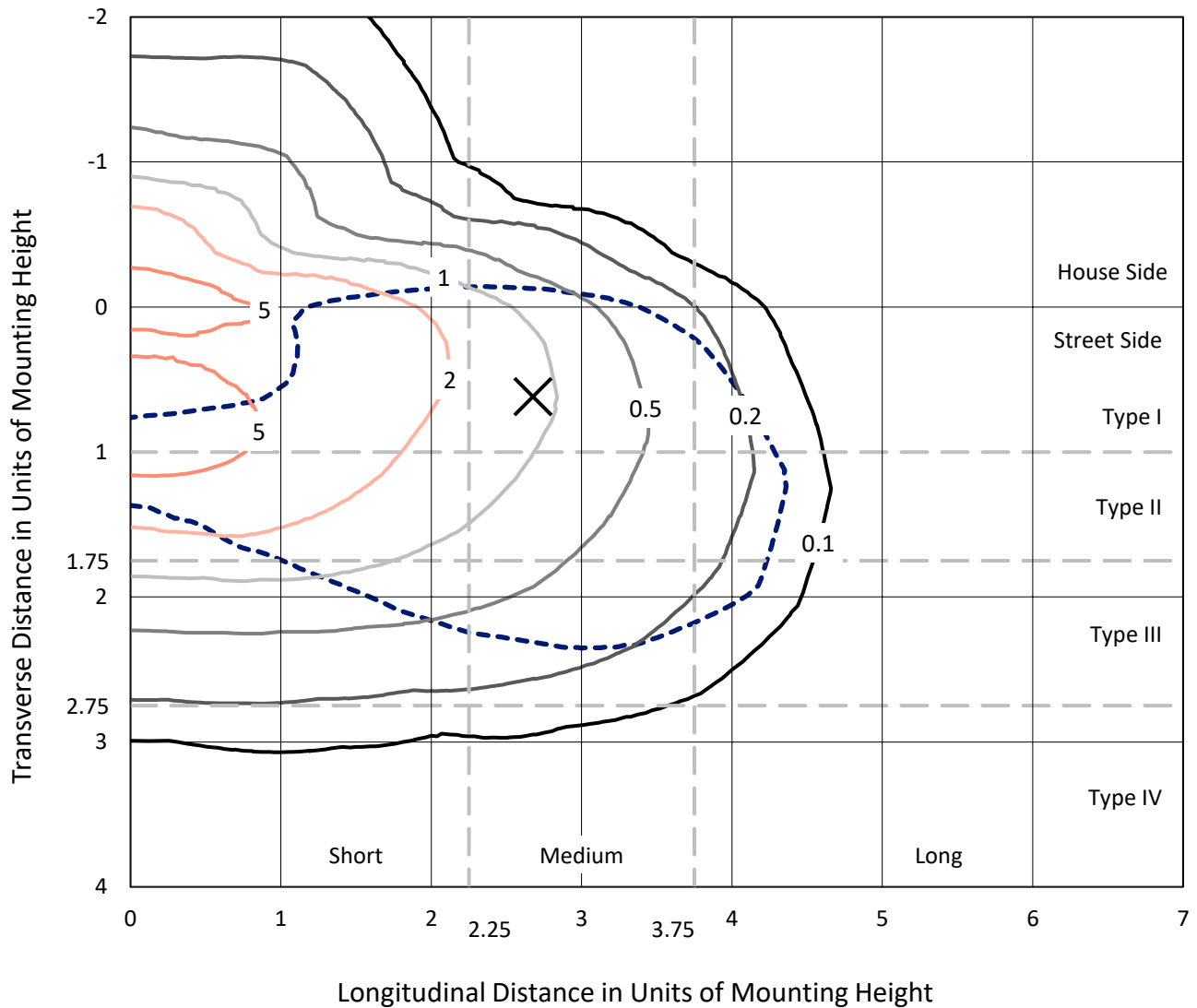
Lumens per Lamp: N/A  
Luminaire Lumens: 28379 lumens  
Efficiency: N/A  
Efficacy: 94.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B3 - U0 - G4  
  
Input Watts (W): 300.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

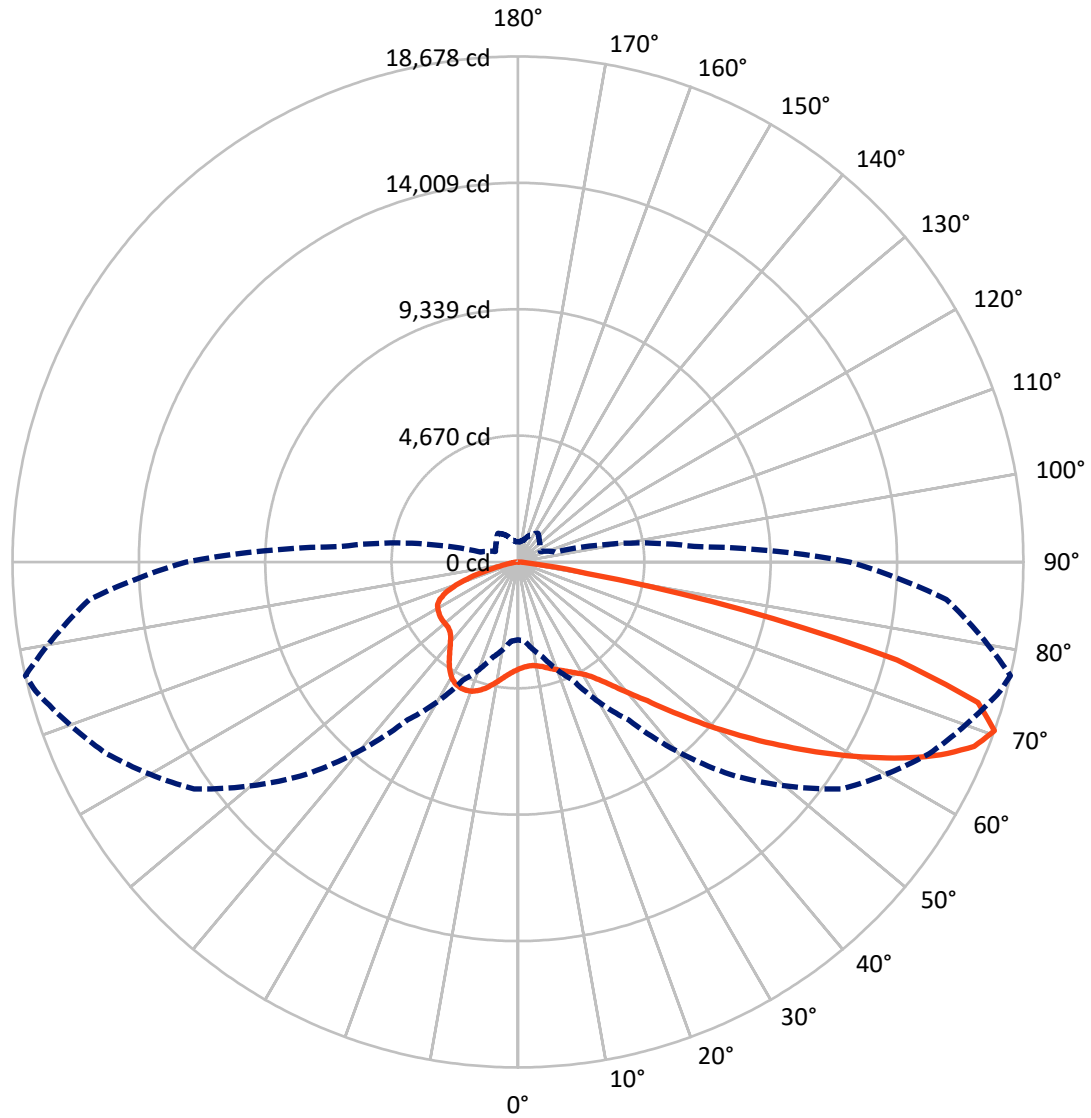
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.5 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	6214.6	0.0	6214.6
	% Fixture	21.9	0.0	21.9
<b>Street Side</b>	Lumens	22164.4	0.0	22164.4
	% Fixture	78.1	0.0	78.1
<b>Total</b>	Lumens	28379.0	0.0	28379.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	377.6	1.3
10°-20°	1089.8	3.8
20°-30°	1863.7	6.6
30°-40°	2997.0	10.6
40°-50°	4679.1	16.5
50°-60°	6250.1	22.0
60°-70°	6661.6	23.5
70°-80°	4100.9	14.5
80°-90°	359.3	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°	28379.0	100.0
0°-180°	28379.0	100.0

**Coefficient of Utilization**



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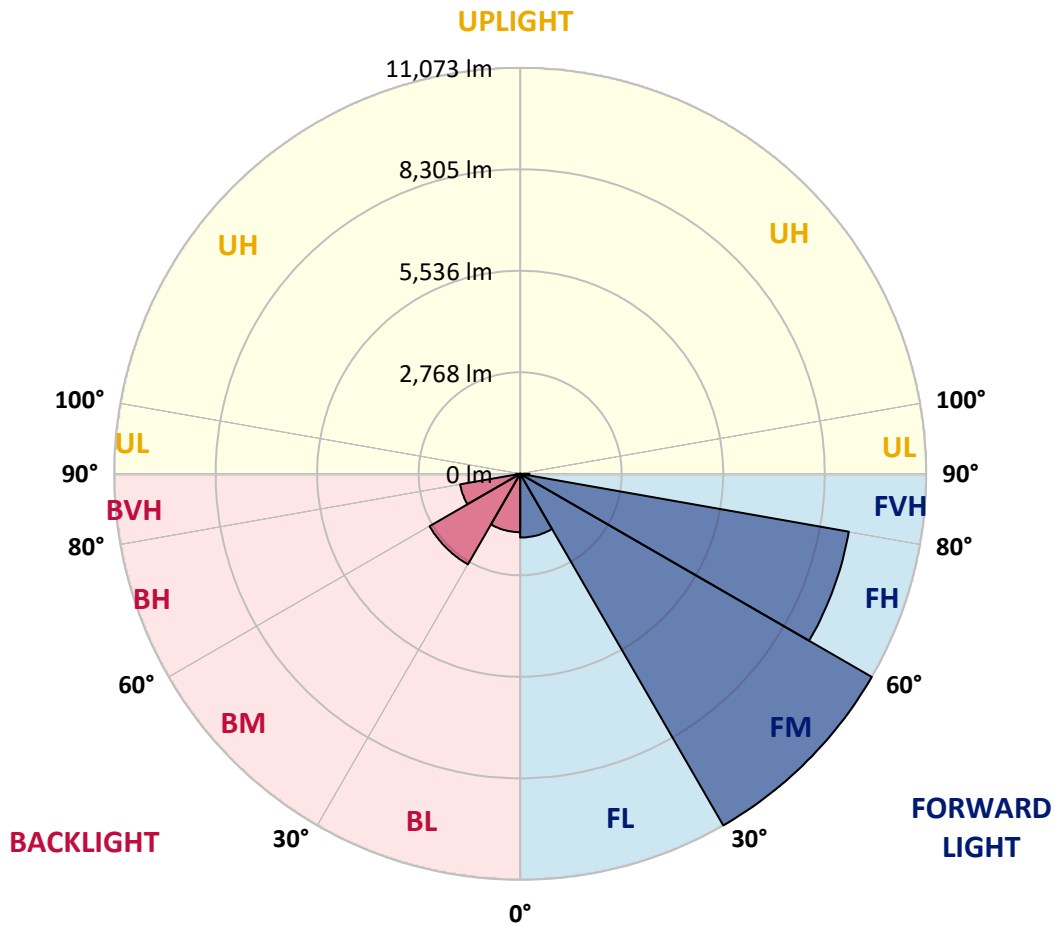
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1738.7	6.1			
FM (30°-60°)	11072.9	39.0			
FH (60°-80°)	9101.6	32.1			G4/12000
FVH (80°-90°)	251.3	0.9			G3/500
BL (0°-30°)	1592.4	5.6	B3/2500		
BM (30°-60°)	2853.2	10.1	B3/5000		
BH (60°-80°)	1660.9	5.9	B3/2500		G3/2500
BVH (80°-90°)	108.1	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°	3959.1	3959.1	3959.1	3959.1	3959.1	3959.1	3959.1	3959.1	3959.1	3959.1
2.5°	3649.5	3648.1	3667.0	3672.8	3707.7	3732.4	3778.9	3828.3	3892.3	3899.5
5°	3438.8	3438.8	3460.6	3483.9	3528.9	3578.3	3649.5	3735.3	3845.8	3863.2
7.5°	3260.0	3271.7	3290.6	3335.6	3387.9	3459.2	3568.2	3690.2	3835.6	3863.2
10°	3116.1	3129.2	3152.5	3188.8	3267.3	3366.1	3508.6	3665.5	3860.3	3903.9
12.5°	3071.1	3084.2	3097.2	3124.9	3197.5	3313.8	3483.9	3677.2	3919.9	3963.5
15°	3175.7	3191.7	3181.5	3174.3	3212.1	3318.2	3495.5	3719.3	3994.0	4056.5
17.5°	3417.0	3422.8	3399.6	3331.2	3325.4	3382.1	3550.7	3777.5	4087.0	4155.3
20°	3806.5	3796.3	3748.4	3613.2	3536.2	3524.6	3645.2	3864.7	4183.0	4255.6
22.5°	4335.6	4323.9	4228.0	4014.4	3842.9	3729.5	3781.8	3978.0	4290.5	4371.9
25°	4995.4	4979.4	4838.5	4547.8	4281.8	4001.3	3967.8	4127.7	4422.8	4498.4
27.5°	5765.7	5752.7	5600.0	5216.3	4832.6	4373.4	4198.9	4303.6	4560.8	4646.6
30°	6594.2	6632.0	6361.6	5948.9	5463.4	4858.8	4510.0	4520.2	4739.6	4816.7
32.5°	7568.0	7633.4	7307.8	6784.6	6121.8	5386.4	4902.4	4822.5	4999.8	5063.7
35°	8533.1	8607.2	8336.8	7758.4	6995.3	6008.5	5312.3	5169.8	5345.7	5415.5
37.5°	9367.3	9466.2	9326.6	8823.7	7929.9	6758.4	5847.1	5578.2	5771.6	5858.8
40°	10025.7	10176.9	10166.7	9852.8	9031.6	7668.3	6525.9	6082.6	6300.6	6395.1
42.5°	10560.6	10691.4	10804.8	10788.8	10181.2	8701.7	7323.8	6738.1	6903.8	7012.8
45°	10929.8	11069.3	11313.5	11576.5	11287.3	9807.7	8238.0	7515.7	7666.8	7831.1
47.5°	11259.7	11418.1	11735.0	12152.1	12226.2	10918.1	9239.4	8421.1	8559.2	8729.3
50°	11288.8	11425.4	11916.6	12508.2	12893.3	11984.9	10315.0	9437.1	9566.4	9748.1
52.5°	10586.7	10801.9	11659.4	12498.0	13200.0	12877.3	11383.2	10493.7	10639.1	10857.1
55°	8217.7	8533.1	10905.0	12108.5	13091.0	13454.4	12399.2	11617.2	11803.3	12031.5
57.5°	7078.2	7216.3	8656.6	11399.2	12593.9	13604.1	13256.7	12752.3	13051.8	13301.7
60°	6361.6	6476.5	7328.2	10296.1	11939.9	13367.1	13919.5	13810.4	14327.9	14625.8
62.5°	5594.2	5703.2	6477.9	8597.0	11102.7	12973.3	14338.0	14787.1	15635.9	15961.5
65°	4832.6	4925.7	5668.4	7223.5	10038.8	12579.4	14554.6	15631.6	16846.6	17183.8
67.5°	3983.8	4060.9	4762.9	6094.2	8745.3	12040.2	14662.2	16295.8	17900.4	18189.6
70°	2874.9	2934.5	3659.7	4819.6	7121.8	11112.9	14618.5	16766.7	18446.9	18678.0
72.5°	1359.0	1412.7	2264.4	3129.2	5030.3	9307.7	13736.3	16393.2	17891.7	17776.8
75°	725.3	771.8	1300.8	1716.5	2656.9	6380.5	11240.8	14121.5	15024.1	14465.9
77.5°	491.3	527.6	805.2	1030.5	1213.6	3028.9	7225.0	9777.2	9406.6	8485.1
80°	389.5	427.3	659.9	697.6	587.2	1094.4	2985.3	4526.0	3251.3	2600.2
82.5°	299.4	341.6	555.2	505.8	319.8	449.1	869.1	1431.6	832.8	633.7
85°	183.1	228.2	436.0	322.7	180.2	204.9	295.0	398.2	254.3	212.2
87.5°	93.0	130.8	220.9	117.7	81.4	48.0	78.5	78.5	66.9	58.1
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°
3959.1	0°	3959.1	3959.1	3959.1	3959.1	3959.1	3959.1	3959.1	3959.1	3959.1	3959.1
3938.8	2.5°	3973.7	4002.7	4052.1	4098.7	4135.0	4169.9	4204.8	4223.7	4229.5	4252.7
3960.6	5°	4020.2	4073.9	4169.9	4260.0	4316.7	4351.6	4376.3	4390.8	4393.7	4401.0
4020.2	7.5°	4105.9	4191.7	4325.4	4415.5	4457.7	4454.7	4444.6	4408.2	4393.7	4380.6
4107.4	10°	4226.6	4339.9	4504.2	4566.7	4540.5	4470.7	4380.6	4274.5	4225.1	4177.1
4226.6	12.5°	4376.3	4520.2	4681.5	4678.6	4549.2	4370.4	4161.2	3998.4	3895.2	3821.1
4373.4	15°	4557.9	4723.6	4847.2	4748.3	4464.9	4143.7	3837.0	3624.8	3531.8	3450.4
4521.6	17.5°	4745.4	4922.8	4979.4	4726.5	4252.7	3808.0	3460.6	3293.5	3201.9	3158.3
4681.5	20°	4928.6	5104.4	5057.9	4601.5	3930.1	3427.2	3117.6	3026.0	3007.1	3017.3
4837.0	22.5°	5121.9	5278.8	5073.9	4360.3	3518.7	3037.7	2867.6	2870.5	2912.7	2943.2
4999.8	25°	5319.5	5425.6	5031.8	4011.5	3076.9	2751.3	2709.2	2755.7	2838.5	2898.1
5182.9	27.5°	5509.9	5556.4	4940.2	3579.8	2697.6	2546.4	2553.7	2649.6	2774.6	2857.4
5405.3	30°	5725.0	5672.7	4764.3	3094.3	2434.5	2370.5	2431.6	2543.5	2668.5	2742.6
5685.8	32.5°	5967.8	5773.0	4485.3	2645.2	2248.4	2229.6	2329.8	2402.5	2457.7	2479.5
6057.9	35°	6270.1	5914.0	4127.7	2329.8	2081.3	2126.4	2222.3	2186.0	2164.1	2152.5
6557.9	37.5°	6662.5	6104.4	3709.1	2124.9	1946.1	2052.2	2091.5	1978.1	1892.4	1850.2
7163.9	40°	7134.9	6383.4	3306.5	1966.5	1860.4	1988.3	1920.0	1783.4	1674.3	1614.8
7845.6	42.5°	7659.5	6675.6	2967.9	1847.3	1812.4	1936.0	1793.5	1630.7	1454.9	1436.0
8658.1	45°	8210.4	6976.4	2736.8	1755.7	1789.2	1890.9	1720.9	1457.8	1332.8	1409.8
9473.4	47.5°	8761.2	7252.6	2597.3	1687.4	1777.5	1840.0	1656.9	1361.9	1273.2	1385.1
10346.9	50°	9374.6	7499.7	2534.8	1638.0	1764.5	1819.7	1561.0	1337.2	1210.7	1284.8
11251.0	52.5°	9983.6	7691.5	2488.3	1588.6	1745.6	1803.7	1514.5	1308.1	1135.1	1139.5
12160.8	55°	10591.1	7816.5	2437.4	1523.2	1703.4	1768.8	1510.1	1276.1	1078.4	1058.1
13123.0	57.5°	11239.3	7887.7	2374.9	1450.5	1630.7	1680.2	1505.7	1251.4	1061.0	1027.6
14106.9	60°	11899.2	7992.4	2293.5	1361.9	1533.4	1574.1	1495.6	1242.7	1050.8	994.1
15034.2	62.5°	12490.7	8028.7	2196.1	1277.6	1408.4	1469.4	1473.8	1235.4	1023.2	925.8
15804.5	65°	12878.8	7871.7	2026.1	1181.6	1273.2	1361.9	1431.6	1210.7	973.8	876.4
16185.3	67.5°	12862.8	7424.1	1760.1	1058.1	1142.4	1242.7	1370.6	1168.6	914.2	815.4
15897.6	70°	12264.0	6540.4	1422.9	914.2	998.5	1114.8	1292.1	1106.1	843.0	748.5
14136.0	72.5°	10518.4	5119.0	1033.4	745.6	831.4	982.5	1190.4	1030.5	770.3	688.9
10447.2	75°	7514.2	3239.7	700.6	572.6	646.8	832.8	1063.9	941.8	703.5	691.8
5232.3	77.5°	3838.5	1547.9	463.6	418.6	450.6	656.9	893.9	841.5	713.6	571.2
1488.3	80°	1248.5	571.2	292.1	284.9	299.4	437.5	691.8	690.4	540.7	388.1
360.4	82.5°	398.2	245.6	190.4	183.1	175.9	274.7	482.5	546.5	364.8	245.6
129.4	85°	158.4	146.8	111.9	103.2	74.1	129.4	252.9	363.4	271.8	177.3
33.4	87.5°	58.1	58.1	30.5	21.8	16.0	43.6	68.3	109.0	155.5	91.6
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>
3959.1
4265.8
4412.6
4383.5
4162.6
3803.6
3441.7
3171.4
3012.9
2950.5
2914.1
2877.8
2760.1
2491.2
2164.1
1860.4
1619.1
1454.9
1450.5
1437.4
1340.1
1170.0
1072.6
1031.9
998.5
925.8
876.4
819.7
757.2
684.6
652.6
508.7
343.0
244.2
181.7
90.1
0.0

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