

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: P953372

Luminaire Tested: **GALN-SB6D-940-U-T2U**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P953372  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-16)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB6D-940-U-T2U  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 90 CRI, 4000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

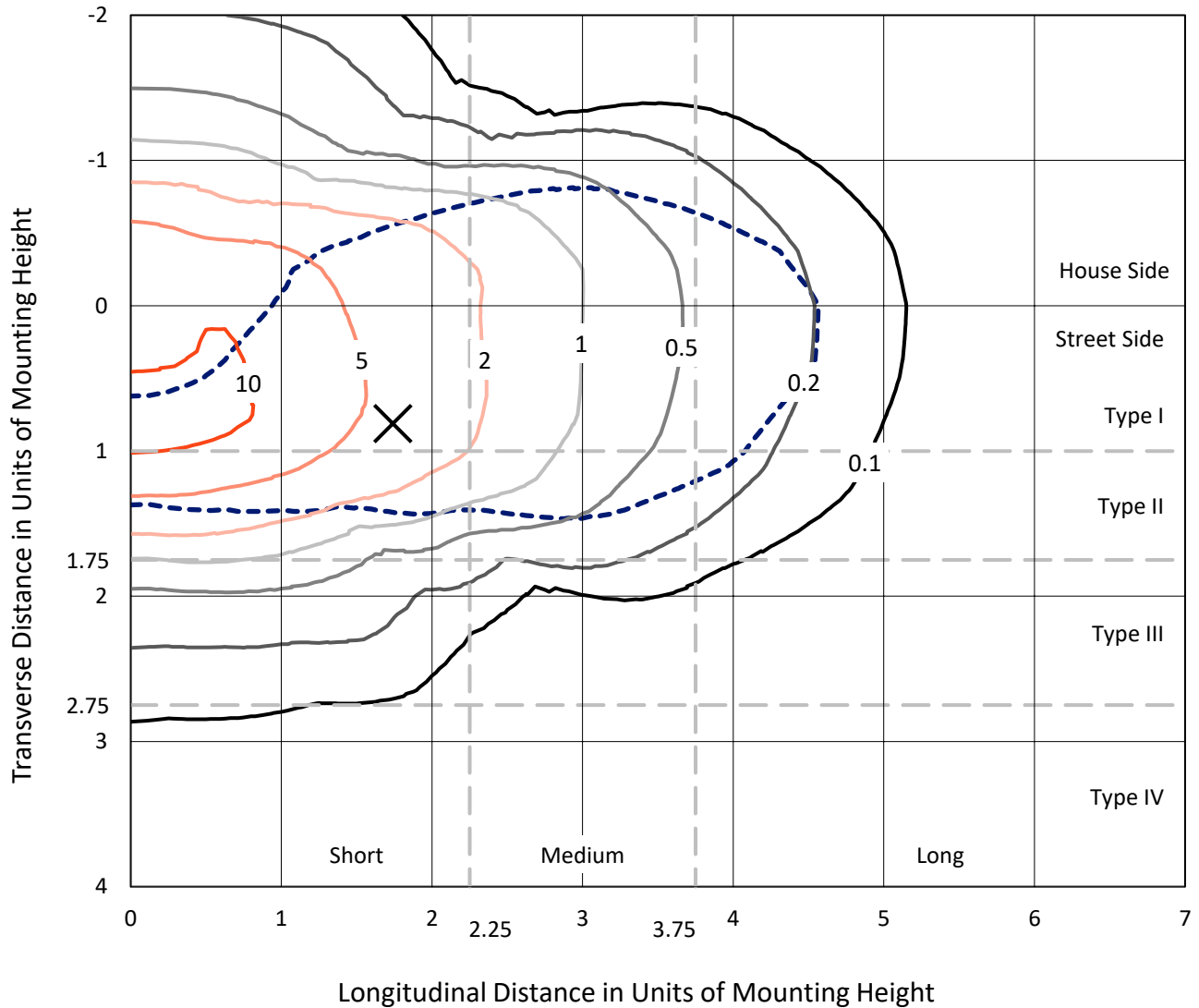
Lumens per Lamp: N/A  
Luminaire Lumens: 45315 lumens  
Efficiency: N/A  
Efficacy: 103.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B4 - U0 - G4  
  
Input Watts (W): 440.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

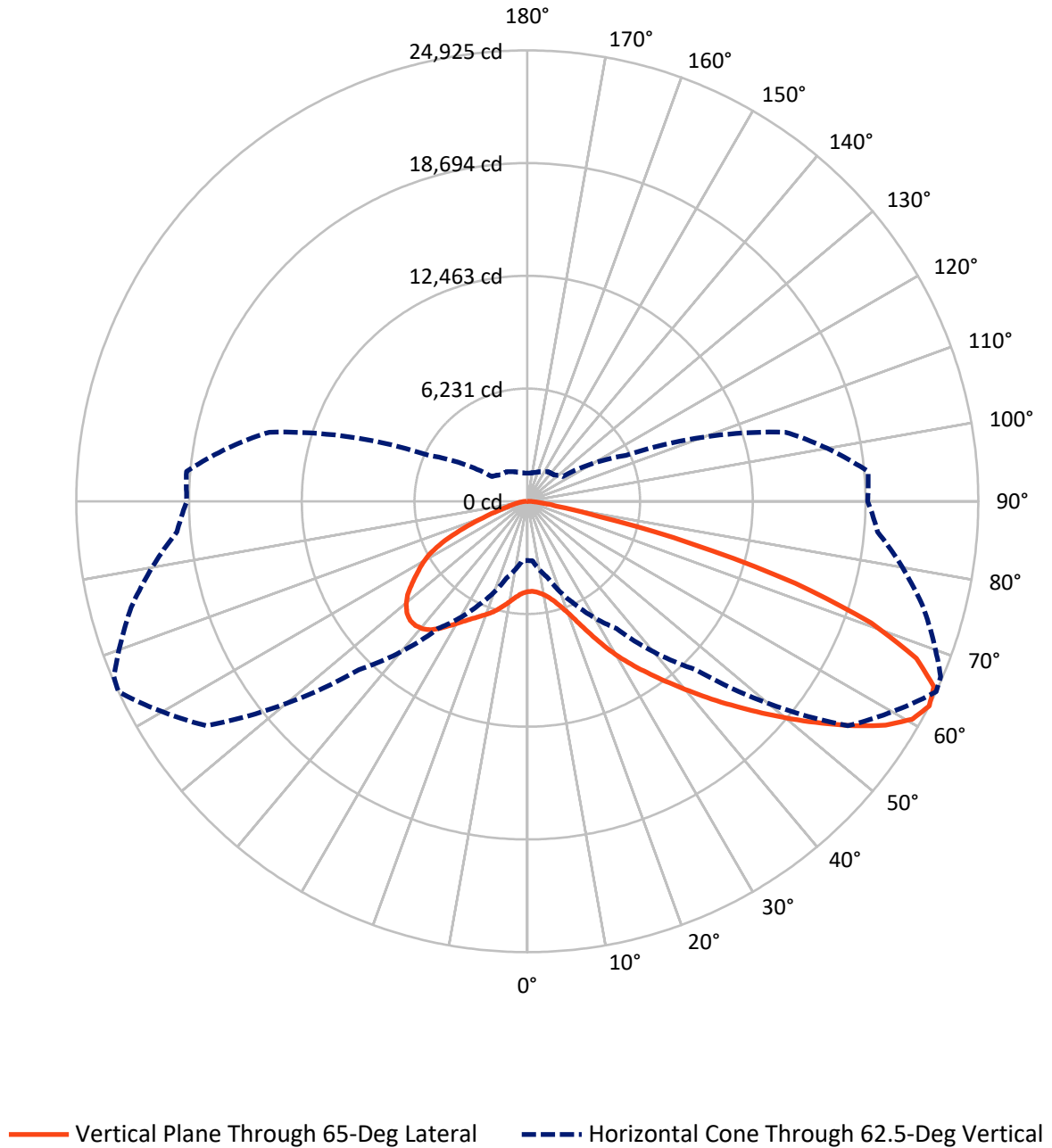
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.7 fc  
 Type II - 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	14299.4	0.0	14299.4
	% Fixture	31.6	0.0	31.6
<b>Street Side</b>	Lumens	31015.6	0.0	31015.6
	% Fixture	68.4	0.0	68.4
<b>Total</b>	Lumens	45315.0	0.0	45315.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	497.9	1.1
10°-20°	1688.2	3.7
20°-30°	3423.1	7.6
30°-40°	5923.6	13.1
40°-50°	8964.3	19.8
50°-60°	10510.0	23.2
60°-70°	8811.4	19.4
70°-80°	4864.6	10.7
80°-90°	631.9	1.4
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°	45315.0	100.0
0°-180°	45315.0	100.0

**Coefficient of Utilization**



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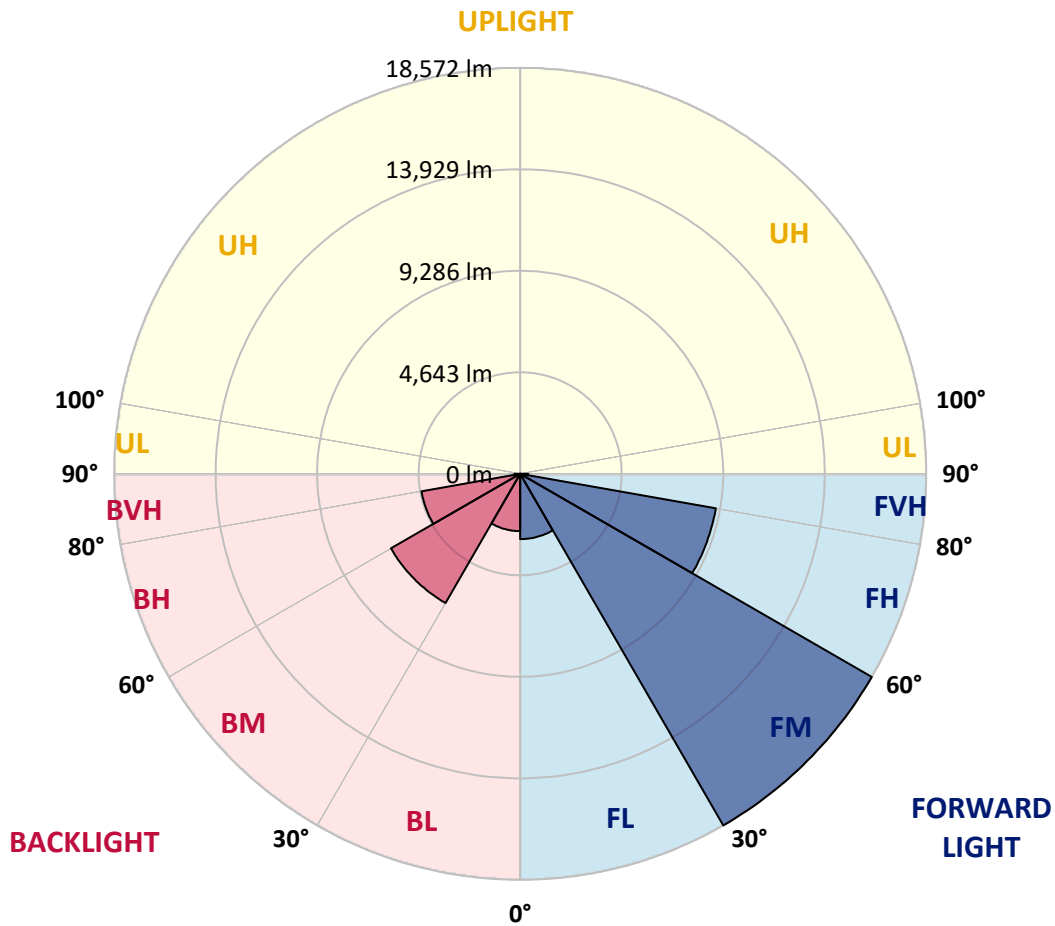
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2986.9	6.6			
FM (30°-60°)	18571.6	41.0			
FH (60°-80°)	9088.9	20.1			G4/12000
FVH (80°-90°)	368.3	0.8			G3/500
BL (0°-30°)	2622.3	5.8	B4/5000		
BM (30°-60°)	6826.4	15.1	B4/8500		
BH (60°-80°)	4587.1	10.1	B4/5000		G4/5000
BVH (80°-90°)	263.6	0.6			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G4**

Type II Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°
0°	4993.5	4993.5	4993.5	4993.5	4993.5	4993.5	4993.5	4993.5	4993.5	4993.5
2.5°	4960.6	4946.5	4958.3	4958.3	4963.0	4960.6	4977.1	4981.8	4988.8	5002.9
5°	4911.2	4908.9	4930.0	4948.8	4967.7	4984.1	5005.3	5035.8	5040.5	5057.0
7.5°	4894.8	4880.7	4913.6	4937.1	4981.8	5021.7	5078.2	5129.9	5151.0	5158.1
10°	5021.7	4998.2	5028.8	5042.9	5080.5	5120.5	5186.3	5268.6	5292.1	5320.3
12.5°	5238.0	5212.2	5256.8	5278.0	5313.3	5348.5	5393.2	5473.1	5484.9	5536.6
15°	5534.2	5503.7	5531.9	5557.8	5616.5	5649.4	5694.1	5771.7	5771.7	5811.7
17.5°	5936.3	5896.3	5917.5	5926.9	5964.5	6013.8	6089.1	6157.3	6192.5	6178.4
20°	6535.8	6486.4	6486.4	6439.4	6425.3	6465.2	6564.0	6658.0	6695.6	6622.8
22.5°	7436.2	7365.7	7325.7	7165.8	7102.4	7107.1	7205.8	7321.0	7351.6	7222.3
25°	8581.1	8470.6	8416.6	8181.5	8038.1	7913.5	7991.0	8139.1	8181.5	8021.6
27.5°	9726.1	9733.1	9681.4	9399.3	9161.8	8933.8	8893.8	9049.0	9093.7	8912.6
30°	11331.8	11164.9	11066.1	10727.6	10389.1	10069.3	9904.7	9968.2	9980.0	9763.7
32.5°	12716.5	12674.2	12462.6	12166.4	11731.5	11230.7	10955.6	10854.6	10835.7	10527.8
35°	14294.1	14270.5	14047.2	13694.6	13224.4	12528.5	12032.4	11743.2	11719.7	11287.1
37.5°	15897.4	15897.4	15678.8	15293.2	14806.6	13936.7	13182.0	12723.6	12648.4	12084.1
40°	17176.4	17098.8	17138.8	16976.5	16419.4	15495.4	14458.6	13793.3	13692.2	13015.1
42.5°	17902.8	17877.0	18116.8	18297.8	18069.8	17331.5	15864.5	14952.3	14811.3	14040.2
45°	18065.1	18036.8	18464.7	19127.7	19447.4	19144.2	17392.7	16172.5	16000.9	15112.2
47.5°	17691.2	17634.8	18262.5	19308.7	20333.8	20867.4	19047.8	17496.1	17246.9	16156.0
50°	16567.5	16513.4	17463.2	18852.6	20632.3	22038.2	20843.9	18899.7	18518.8	17275.1
52.5°	14124.8	14150.6	15638.8	17547.8	20239.7	22767.0	22390.9	20378.4	19920.0	18420.1
55°	11002.7	11059.1	12888.2	14990.0	18669.3	22656.6	23446.5	21901.9	21445.8	19496.8
57.5°	7878.2	8127.4	9841.3	11921.9	15652.9	20905.1	23676.9	23350.1	22908.1	20672.3
60°	5106.4	5151.0	6914.3	9011.4	11919.6	17792.3	23209.0	24448.0	24102.4	21871.3
62.5°	3272.6	3303.2	4377.6	6303.0	8578.8	13163.2	21633.9	24925.3	24819.5	22663.6
65°	2405.1	2381.6	2941.1	4166.0	5778.7	8118.0	18575.2	24694.9	24904.1	23159.7
67.5°	2007.8	1974.8	2249.9	2884.7	4257.7	4610.3	13743.9	23197.3	23963.7	23103.2
70°	1829.1	1800.9	1967.8	2141.8	3322.0	3086.9	6928.4	20166.8	21347.0	22461.4
72.5°	1549.3	1499.9	1728.0	1902.0	2583.7	2367.5	2863.5	15490.7	16929.5	20404.3
75°	1201.4	1168.4	1363.6	1673.9	1941.9	1847.9	1810.3	9406.3	10976.8	15779.9
77.5°	952.2	907.5	1086.2	1304.8	1746.8	1394.1	1318.9	4050.8	5607.1	10074.0
80°	717.1	677.1	825.2	1032.1	1342.4	1050.9	853.4	1652.8	2113.5	5104.0
82.5°	510.2	474.9	576.0	757.0	902.8	942.7	524.3	926.3	1041.5	1967.8
85°	326.8	305.6	385.6	474.9	573.6	606.6	319.7	484.3	531.3	811.1
87.5°	178.7	145.8	206.9	221.0	265.7	242.2	152.8	176.3	190.4	293.9
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°
4993.5	0°	4993.5	4993.5	4993.5	4993.5	4993.5	4993.5	4993.5	4993.5	4993.5	4993.5
5002.9	2.5°	5012.3	5019.4	5042.9	5049.9	5066.4	5087.6	5101.7	5115.8	5115.8	5129.9
5078.2	5°	5080.5	5097.0	5146.3	5172.2	5214.5	5256.8	5282.7	5313.3	5332.1	5341.5
5198.1	7.5°	5212.2	5238.0	5308.6	5353.2	5426.1	5484.9	5524.8	5567.2	5576.6	5602.4
5365.0	10°	5390.8	5421.4	5501.3	5586.0	5673.0	5745.8	5783.5	5814.0	5825.8	5830.5
5578.9	12.5°	5595.4	5640.0	5743.5	5846.9	5938.6	6002.1	6011.5	6004.4	5971.5	5943.3
5842.2	15°	5846.9	5886.9	6002.1	6114.9	6204.3	6216.0	6157.3	6119.6	6079.7	6072.6
6136.1	17.5°	6147.9	6169.0	6274.8	6385.3	6392.4	6352.4	6265.4	6230.1	6192.5	6166.7
6519.3	20°	6498.2	6491.1	6566.3	6613.4	6564.0	6441.7	6310.1	6251.3	6213.7	6183.1
6989.5	22.5°	6916.6	6862.6	6853.2	6841.4	6709.7	6453.5	6274.8	6199.6	6140.8	6098.5
7645.4	25°	7525.5	7318.7	7175.2	7095.3	6799.1	6390.0	6162.0	5995.0	5884.5	5811.7
8447.1	27.5°	8287.3	7939.3	7577.3	7382.1	6799.1	6260.7	5889.2	5618.9	5437.9	5362.6
9223.0	30°	9013.7	8649.3	8115.6	7727.7	6782.6	6049.1	5449.6	5073.5	4861.9	4786.6
9885.9	32.5°	9634.4	9237.1	8686.9	8106.2	6742.7	5705.9	4904.2	4488.1	4283.5	4194.2
10541.9	35°	10210.4	9787.2	9260.6	8522.4	6636.9	5202.8	4304.7	3987.3	3759.2	3615.8
11209.6	37.5°	10800.5	10297.4	9803.7	8898.5	6446.4	4615.0	3843.9	3573.5	3305.5	3112.7
11919.6	40°	11442.3	10840.4	10384.4	9121.9	6133.7	4055.5	3486.5	3239.7	2955.2	2750.7
12737.7	42.5°	12192.3	11491.7	11030.9	9237.1	5705.9	3658.2	3253.8	3011.6	2743.6	2576.7
13614.6	45°	12975.1	12208.7	11621.0	9234.7	5228.6	3472.4	3178.5	2938.7	2642.5	2468.5
14515.1	47.5°	13795.6	12958.7	12131.1	9084.3	4814.8	3498.3	3136.2	2781.2	2454.4	2285.2
15424.9	50°	14618.5	13779.2	12624.9	8802.1	4638.5	3441.9	2978.7	2560.2	2174.7	2021.9
16278.3	52.5°	15434.3	14651.4	13050.4	8400.1	4459.8	3232.6	2776.5	2273.4	2059.5	1953.7
17159.9	55°	16254.8	15514.2	13513.5	7814.7	4013.2	2988.1	2438.0	2165.3	1967.8	1871.4
18022.7	57.5°	17077.6	16511.0	13953.2	7229.3	3451.3	2687.2	2252.3	2033.6	1876.1	1793.8
18744.5	60°	17933.4	17651.3	14406.9	6690.9	2896.4	2301.6	2115.9	1927.8	1767.9	1676.3
19438.0	62.5°	18815.0	18906.7	14761.9	5997.4	2386.3	2066.5	1993.6	1800.9	1645.7	1558.7
20011.7	65°	19703.7	20117.5	14994.7	5035.8	1934.9	1843.2	1862.0	1662.2	1504.6	1429.4
20432.5	67.5°	20373.7	20989.7	14928.8	3811.0	1586.9	1631.6	1697.4	1516.4	1368.3	1309.5
20364.3	70°	20449.0	20886.3	14280.0	2609.6	1328.3	1424.7	1514.0	1373.0	1220.2	1177.8
19405.1	72.5°	19447.4	19475.7	12472.0	1704.5	1123.8	1250.7	1321.3	1227.2	1079.1	1036.8
16976.5	75°	16821.4	16106.7	9157.1	1123.8	940.4	1074.4	1140.2	1074.4	931.0	940.4
12702.4	77.5°	12744.8	11407.0	5560.1	799.3	785.2	902.8	992.1	945.1	822.8	923.9
6387.7	80°	6566.3	6171.4	2480.3	597.2	620.7	721.8	815.8	754.7	651.2	620.7
1427.1	82.5°	1504.6	1749.1	978.0	427.9	449.0	519.6	623.0	566.6	467.8	395.0
594.8	85°	526.6	576.0	432.6	268.0	263.3	324.4	423.2	378.5	317.4	253.9
251.6	87.5°	166.9	218.6	162.2	108.1	112.8	145.8	195.1	178.7	148.1	96.4
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>
4993.5
5129.9
5346.2
5593.0
5818.7
5943.3
6072.6
6169.0
6185.5
6112.6
5839.9
5400.2
4831.3
4238.8
3662.9
3164.4
2790.6
2609.6
2496.8
2308.7
2031.3
1953.7
1862.0
1779.7
1669.2
1556.4
1427.1
1311.9
1180.2
1034.4
907.5
813.4
566.6
390.3
268.0
101.1
0.0

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