

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: P956512

Luminaire Tested: **GALN-SB9A-927-U-SL2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P956512
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB9A-927-U-SL2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 90 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24720 lumens
Efficiency: N/A
Efficacy: 96.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

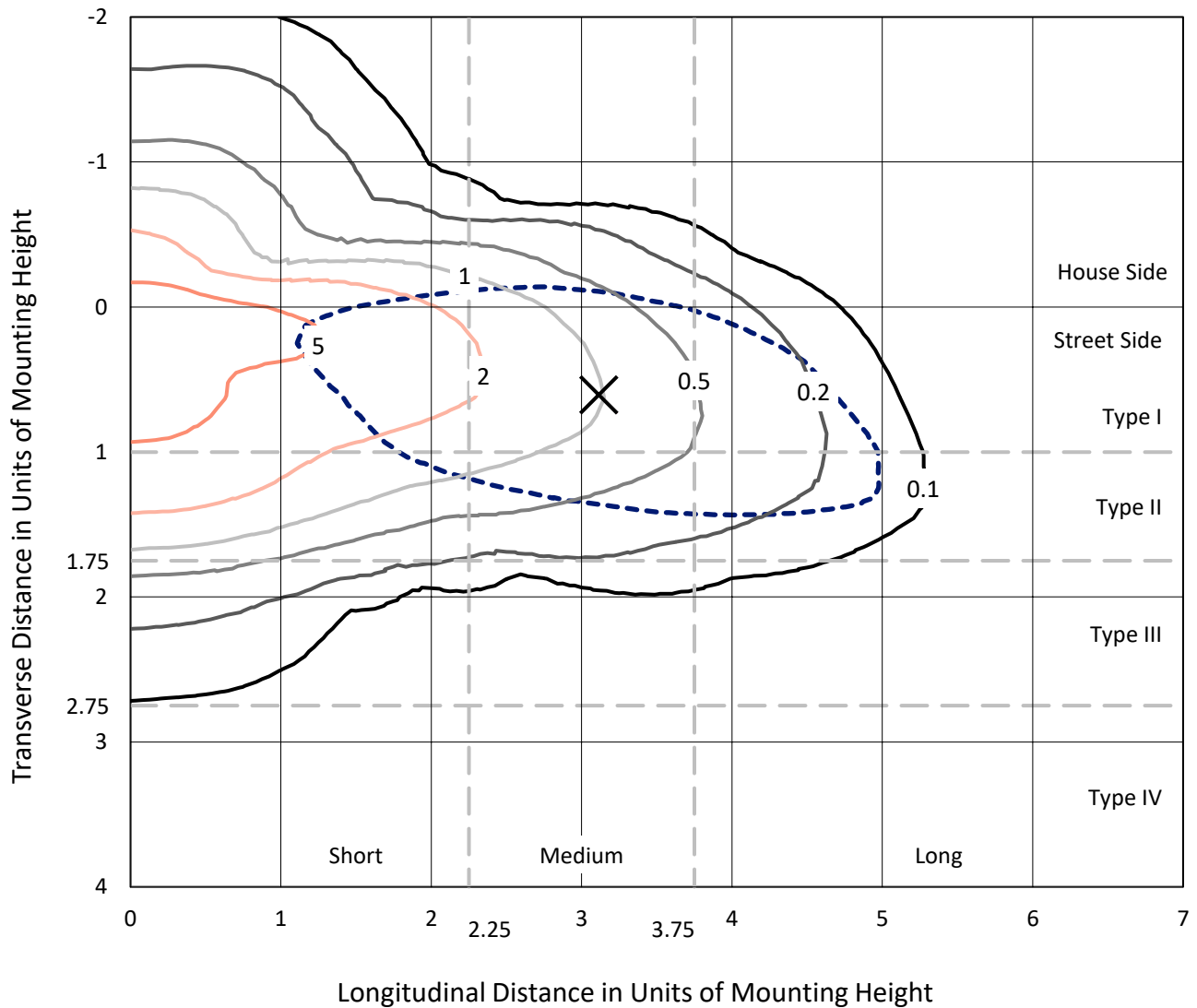
Input Watts (W): 255.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

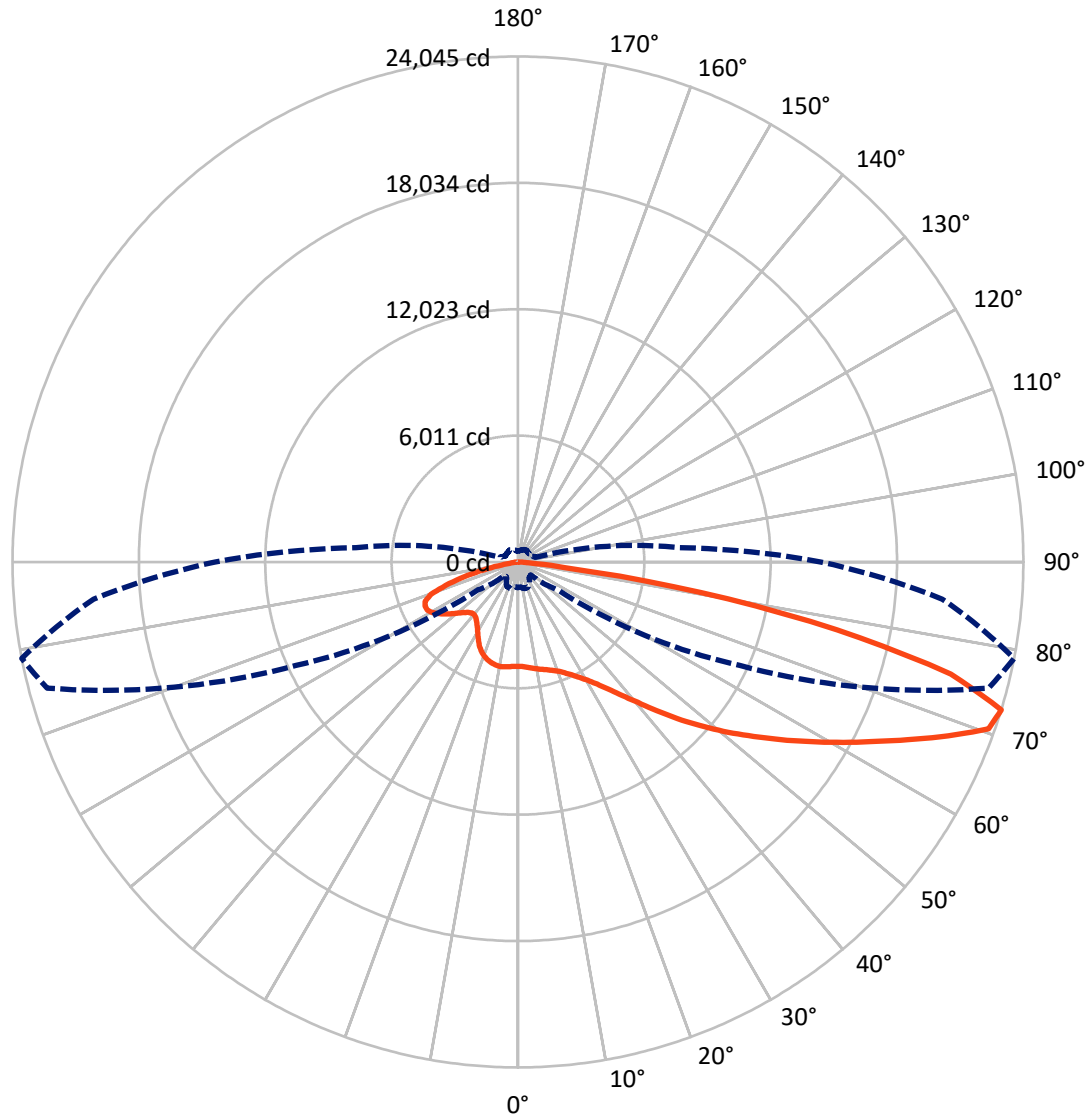
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5439.8	0.0	5439.8
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	19280.2	0.0	19280.2
	% Fixture	78.0	0.0	78.0
Total	Lumens	24720.0	0.0	24720.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	450.4	1.8
10°-20°	1177.7	4.8
20°-30°	1900.3	7.7
30°-40°	2852.0	11.5
40°-50°	4045.8	16.4
50°-60°	5109.3	20.7
60°-70°	5189.1	21.0
70°-80°	3536.6	14.3
80°-90°	458.8	1.9
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°	24720.0	100.0
0°-180°	24720.0	100.0

Coefficient of Utilization



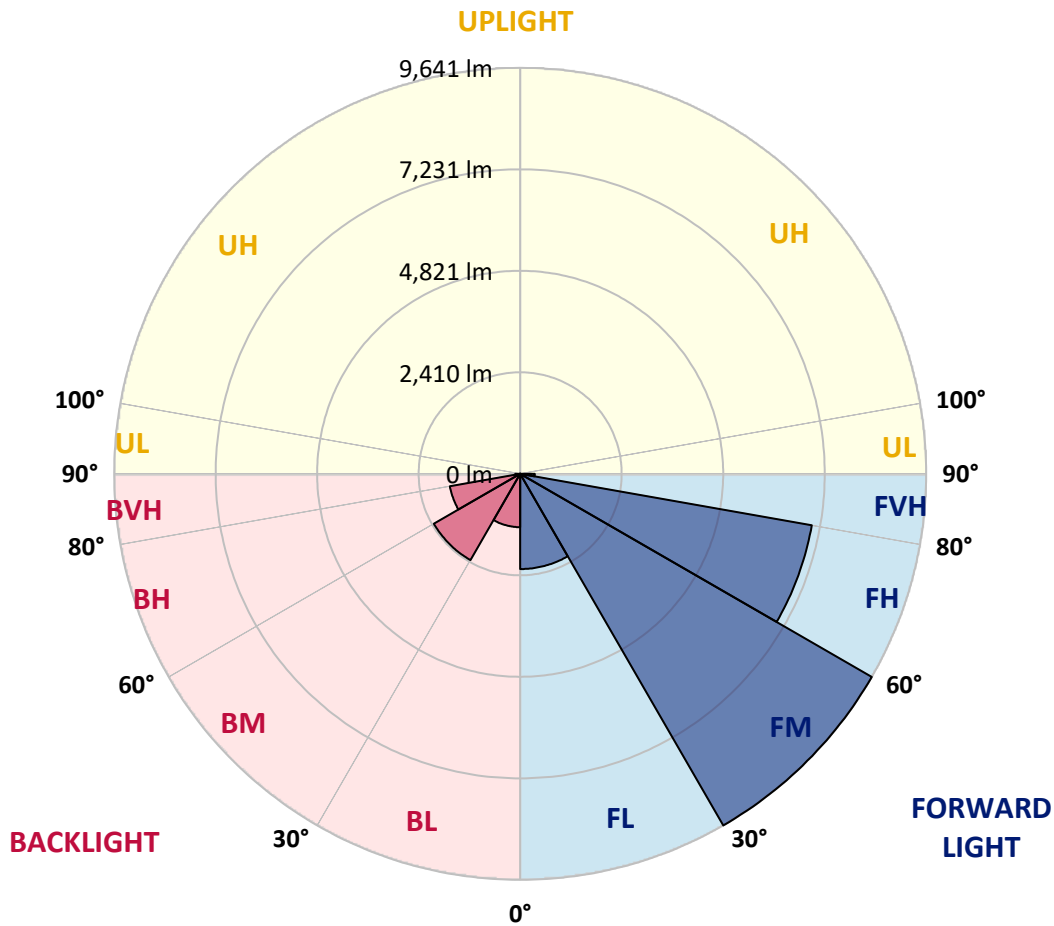
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2261.3	9.1			
FM (30°-60°)	9641.3	39.0			
FH (60°-80°)	7032.0	28.4			G3/7500
FVH (80°-90°)	345.6	1.4			G3/500
BL (0°-30°)	1267.1	5.1	B3/2500		
BM (30°-60°)	2365.7	9.6	B2/2500		
BH (60°-80°)	1693.8	6.9	B3/2500		G3/2500
BVH (80°-90°)	113.2	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-G3

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°
0°	4962.3	4962.3	4962.3	4962.3	4962.3	4962.3	4962.3	4962.3	4962.3	4962.3
2.5°	4964.9	4941.4	4955.8	4950.5	4957.1	4964.9	4967.5	4971.5	4984.5	4983.2
5°	4954.5	4930.9	4950.5	4944.0	4961.0	4979.3	4995.0	5009.4	5030.3	5039.5
7.5°	4932.2	4916.5	4936.2	4955.8	4987.1	5014.6	5036.8	5069.5	5099.6	5104.8
10°	4802.8	4791.0	4836.8	4887.8	4974.1	5048.6	5097.0	5134.9	5167.6	5172.8
12.5°	4668.1	4653.7	4704.7	4774.0	4913.9	5048.6	5150.6	5200.3	5229.1	5246.1
15°	4645.9	4634.1	4662.9	4723.0	4839.4	5013.3	5187.2	5278.7	5303.6	5323.2
17.5°	4753.1	4730.9	4742.6	4763.6	4831.5	4980.6	5216.0	5367.7	5405.6	5426.5
20°	5001.5	4970.2	4951.8	4910.0	4898.2	4985.8	5213.4	5474.9	5524.6	5550.7
22.5°	5332.4	5311.4	5272.2	5166.3	5051.2	5049.9	5263.1	5612.2	5705.0	5729.9
25°	5732.5	5701.1	5651.4	5507.6	5286.6	5176.7	5346.7	5787.4	5943.0	5949.5
27.5°	6192.7	6145.7	6077.7	5888.1	5589.9	5375.5	5474.9	5988.8	6216.3	6213.7
30°	6677.9	6630.8	6558.9	6328.7	5953.5	5643.6	5652.7	6205.8	6540.6	6526.2
32.5°	7032.2	6996.9	6982.5	6804.7	6371.9	5960.0	5856.7	6446.4	6940.7	6927.6
35°	7304.2	7258.4	7275.4	7185.2	6828.2	6314.4	6106.4	6732.8	7427.1	7425.8
37.5°	7573.6	7533.0	7547.4	7487.3	7250.6	6764.2	6411.1	7083.2	8029.9	8058.7
40°	7819.4	7776.2	7833.8	7777.5	7578.8	7242.7	6757.6	7479.4	8728.2	8783.1
42.5°	7967.1	7933.1	8028.6	8029.9	7863.8	7646.8	7138.1	7916.2	9536.3	9659.2
45°	8018.1	8006.4	8150.2	8180.3	8116.2	7880.8	7480.7	8392.1	10407.1	10626.8
47.5°	7963.2	7941.0	8139.7	8250.9	8301.9	7990.7	7764.5	8907.3	11296.3	11617.9
50°	7686.0	7642.9	7938.4	8172.4	8354.2	8062.6	8050.8	9502.3	12307.0	12658.8
52.5°	7187.8	7155.1	7491.2	7897.8	8239.1	8097.9	8372.5	10152.1	13266.8	13721.9
55°	6551.0	6507.9	6877.9	7408.8	7952.8	8086.1	8694.2	10879.2	14399.2	14860.8
57.5°	5541.6	5455.3	5923.4	6551.0	7486.0	8071.8	9028.9	11602.2	15549.9	16103.0
60°	4069.2	3941.1	4515.1	5259.1	6573.3	7931.8	9443.4	12413.0	16930.7	17428.9
62.5°	2369.4	2294.8	2670.1	3364.4	4954.5	7108.1	9676.2	13355.7	18288.0	18811.0
65°	1839.8	1818.9	1851.5	1905.2	2757.7	5321.9	8958.3	14275.0	20014.0	20380.1
67.5°	1682.9	1667.2	1681.6	1580.9	1399.1	2964.3	7087.1	14507.7	21862.9	22085.2
70°	1495.9	1477.6	1524.7	1438.3	1101.0	1348.1	4579.2	13663.0	23333.9	23751.1
72.5°	1218.7	1197.8	1307.6	1268.4	927.1	865.6	2300.1	11655.9	23179.7	24045.3
75°	936.2	924.5	1055.2	1087.9	755.8	681.3	1103.6	8664.1	20398.4	21270.6
77.5°	727.0	717.9	784.6	903.5	609.3	528.3	678.6	5495.8	15372.0	15525.0
80°	545.3	519.1	580.6	699.6	474.7	385.7	460.3	3204.9	9716.7	8807.9
82.5°	341.3	328.2	379.2	466.8	334.7	265.4	299.4	1770.5	3894.0	2293.5
85°	194.8	189.6	206.6	266.7	181.8	153.0	171.3	781.9	711.3	489.0
87.5°	78.5	75.8	94.1	119.0	66.7	56.2	60.1	188.3	156.9	145.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P956512
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CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
4962.3	0°	4962.3	4962.3	4962.3	4962.3	4962.3	4962.3	4962.3	4962.3	4962.3	4962.3
4981.9	2.5°	4976.7	4976.7	4958.4	4929.6	4896.9	4876.0	4842.0	4832.9	4797.5	4787.1
5026.4	5°	5036.8	5026.4	4970.2	4889.1	4777.9	4675.9	4563.5	4492.9	4393.5	4358.2
5114.0	7.5°	5112.7	5083.9	4987.1	4809.3	4576.6	4347.7	4109.8	3929.3	3756.7	3695.3
5185.9	10°	5182.0	5141.4	4976.7	4665.5	4262.7	3866.5	3487.3	3221.9	3020.5	2938.2
5265.7	12.5°	5251.3	5176.7	4907.4	4426.2	3816.9	3279.4	2875.4	2668.8	2544.6	2445.2
5331.0	15°	5316.7	5212.1	4800.2	4105.8	3327.8	2782.6	2484.4	2319.7	2220.3	2154.9
5426.5	17.5°	5392.5	5242.1	4639.3	3699.2	2862.3	2438.7	2195.4	2096.1	2076.5	2068.6
5557.3	20°	5498.4	5269.6	4427.5	3244.1	2519.7	2164.1	2038.5	2029.4	2028.1	2024.1
5714.2	22.5°	5612.2	5302.3	4147.7	2830.9	2228.1	1992.8	1970.5	1952.2	1940.5	1939.2
5903.8	25°	5746.9	5312.7	3797.2	2492.3	1979.7	1911.7	1885.5	1858.1	1850.2	1850.2
6119.5	27.5°	5877.6	5277.4	3389.3	2198.1	1839.8	1837.2	1803.2	1794.0	1792.7	1796.6
6365.3	30°	6008.4	5210.7	2983.9	1926.1	1758.7	1758.7	1746.9	1753.5	1758.7	1771.8
6702.7	32.5°	6184.9	5140.1	2645.3	1724.7	1688.1	1675.0	1686.8	1699.9	1705.1	1722.1
7146.0	35°	6443.8	5090.4	2375.9	1614.9	1614.9	1597.9	1604.4	1601.8	1590.0	1582.2
7682.1	37.5°	6786.4	5087.8	2153.6	1563.9	1553.4	1550.8	1552.1	1535.1	1489.3	1434.4
8330.7	40°	7198.3	5158.4	1982.3	1528.6	1520.7	1536.4	1528.6	1482.8	1357.3	1261.8
9128.3	42.5°	7751.4	5359.8	1872.5	1485.4	1509.0	1528.6	1497.2	1339.0	1254.0	1189.9
10037.1	45°	8402.6	5686.7	1816.2	1439.7	1486.7	1510.3	1358.6	1289.3	1221.3	1144.1
11028.2	47.5°	9140.1	6098.6	1803.2	1396.5	1437.0	1451.4	1299.7	1268.4	1191.2	1107.5
12024.6	50°	9942.9	6586.3	1838.5	1345.5	1365.1	1315.4	1280.1	1251.4	1171.6	1089.2
13045.8	52.5°	10773.2	7123.8	1909.1	1276.2	1293.2	1238.3	1272.3	1247.4	1159.8	1048.7
14101.1	55°	11589.2	7665.1	1977.1	1195.1	1220.0	1169.0	1250.1	1231.8	1106.2	980.7
15226.9	57.5°	12418.2	8203.8	2043.8	1123.2	1149.4	1102.3	1214.8	1189.9	1046.1	917.9
16456.0	60°	13279.9	8726.9	2075.1	1053.9	1072.2	1040.8	1161.1	1118.0	978.1	853.9
17664.2	62.5°	14086.7	9162.3	2024.1	984.6	996.4	983.3	1090.5	1033.0	910.1	781.9
18923.4	65°	14896.1	9421.2	1867.2	916.6	919.2	912.7	991.2	941.5	830.3	719.2
20025.7	67.5°	15629.6	9566.3	1617.5	843.4	836.9	834.2	898.3	842.1	753.2	656.4
20863.9	70°	15785.2	9197.6	1235.7	757.1	757.1	750.6	796.3	738.8	668.2	589.7
20263.7	72.5°	14417.5	7737.0	877.4	659.0	669.5	656.4	694.3	645.9	581.9	529.6
17464.2	75°	11625.8	5673.6	638.1	558.3	576.6	554.4	589.7	555.7	500.8	499.5
12035.1	77.5°	7988.1	3508.3	462.9	460.3	473.3	444.6	485.1	466.8	417.1	394.9
5238.2	80°	3408.9	1399.1	337.4	355.7	355.7	329.5	376.6	381.8	338.7	328.2
1010.8	82.5°	678.6	397.5	236.7	244.5	230.1	222.3	266.7	295.5	408.0	453.7
304.7	85°	204.0	146.5	142.5	133.4	117.7	119.0	156.9	296.8	366.1	209.2
100.7	87.5°	56.2	36.6	37.9	30.1	24.8	32.7	53.6	224.9	122.9	52.3
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>
4962.3
4804.1
4384.4
3703.1
2956.5
2477.9
2166.7
2073.8
2037.2
1953.5
1858.1
1807.1
1780.9
1736.5
1600.5
1435.7
1259.2
1187.3
1138.9
1101.0
1080.1
1040.8
974.2
915.3
849.9
780.6
711.3
648.6
587.1
513.9
449.8
370.0
328.2
455.0
180.4
44.5
0.0

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