

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: P953740

Luminaire Tested: **GALN-SB7A-950-U-SL2**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P953740  
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-SB7A-950-U-SL2  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 90 CRI, 5000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II SPILL  
LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

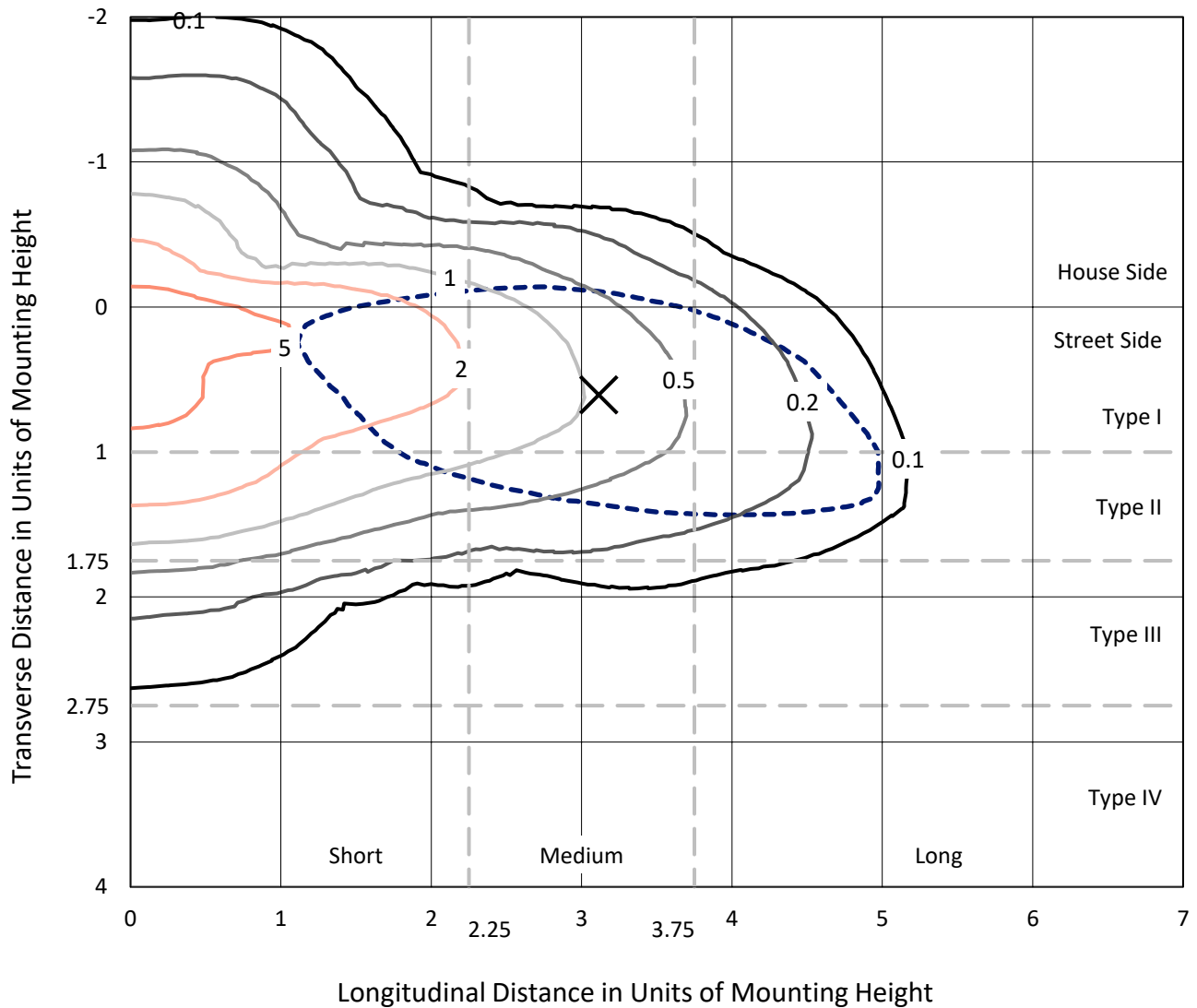
Lumens per Lamp: N/A  
Luminaire Lumens: 22058 lumens  
Efficiency: N/A  
Efficacy: 110.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G3  
  
Input Watts (W): 199.1  
Input Voltage (V): NR  
Input Current (Ain): 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

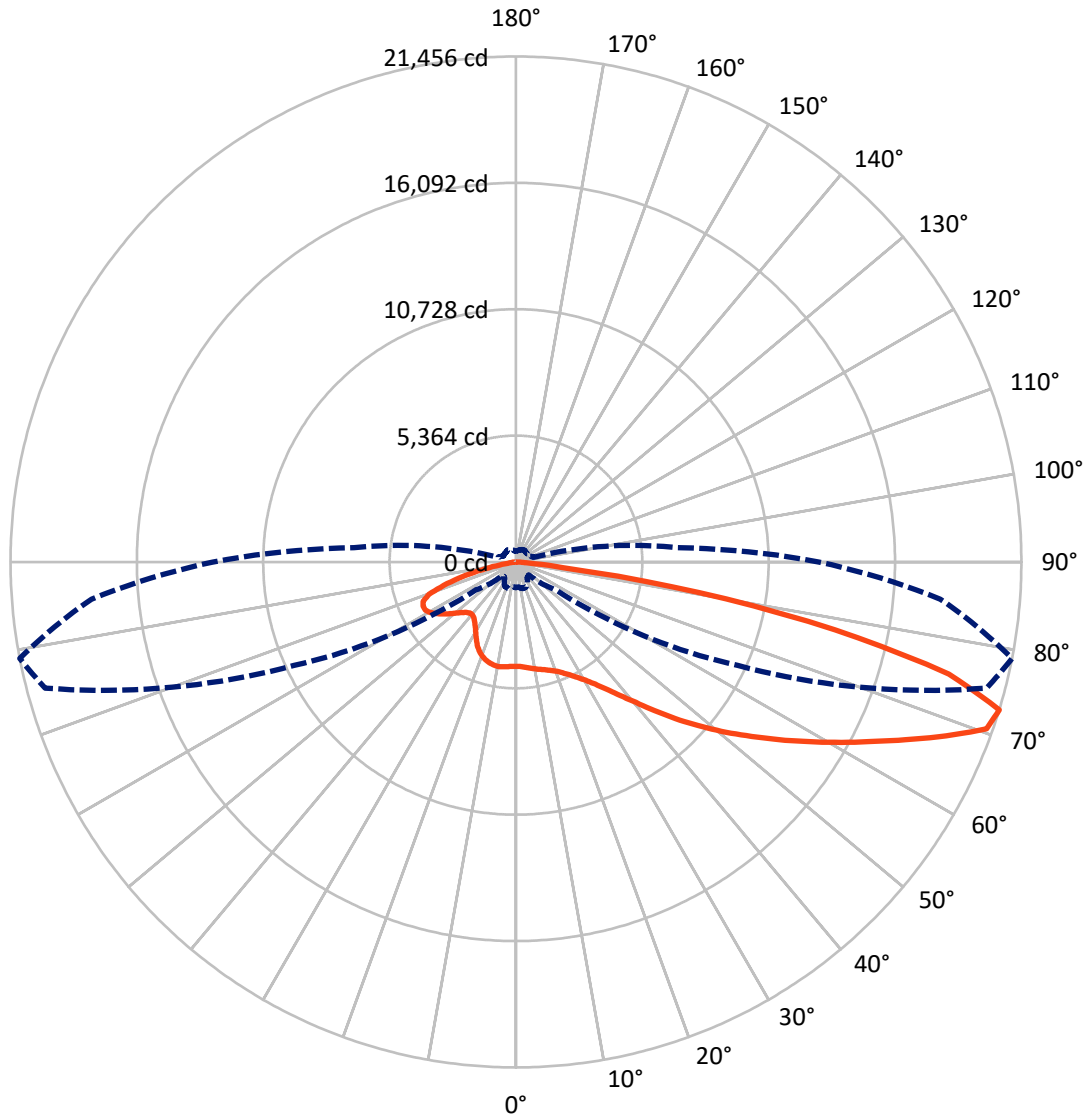
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.1 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
<b>House Side</b>	Lumens	4854.0	0.0	4854.0
	% Fixture	22.0	0.0	22.0
<b>Street Side</b>	Lumens	17204.0	0.0	17204.0
	% Fixture	78.0	0.0	78.0
<b>Total</b>	Lumens	22058.0	0.0	22058.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	401.9	1.8
10°-20°	1050.8	4.8
20°-30°	1695.6	7.7
30°-40°	2544.9	11.5
40°-50°	3610.1	16.4
50°-60°	4559.1	20.7
60°-70°	4630.3	21.0
70°-80°	3155.8	14.3
80°-90°	409.4	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°	22058.0	100.0
0°-180°	22058.0	100.0

**Coefficient of Utilization**



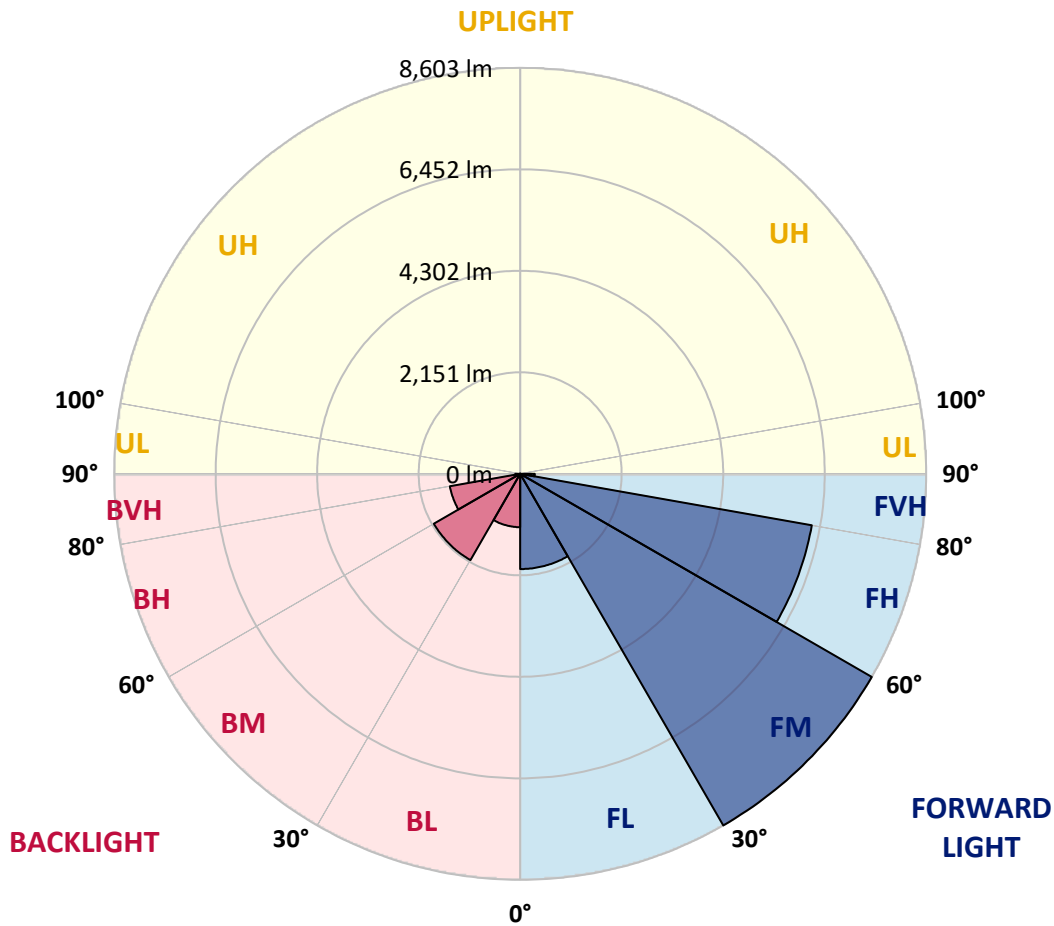
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2017.8	9.1			
FM (30°-60°)	8603.1	39.0			
FH (60°-80°)	6274.8	28.4			G3/7500
FVH (80°-90°)	308.4	1.4			G3/500
BL (0°-30°)	1130.6	5.1	B3/2500		
BM (30°-60°)	2111.0	9.6	B2/2500		
BH (60°-80°)	1511.4	6.9	B3/2500		G3/2500
BVH (80°-90°)	101.0	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°	4427.9	4427.9	4427.9	4427.9	4427.9	4427.9	4427.9	4427.9	4427.9	4427.9
2.5°	4430.3	4409.3	4422.1	4417.4	4423.3	4430.3	4432.6	4436.1	4447.8	4446.6
5°	4420.9	4399.9	4417.4	4411.6	4426.8	4443.1	4457.1	4469.9	4488.6	4496.8
7.5°	4401.1	4387.1	4404.6	4422.1	4450.1	4474.6	4494.4	4523.6	4550.4	4555.1
10°	4285.6	4275.1	4315.9	4361.4	4438.4	4504.9	4548.1	4581.9	4611.1	4615.8
12.5°	4165.4	4152.6	4198.1	4259.9	4384.8	4504.9	4596.0	4640.3	4666.0	4681.1
15°	4145.6	4135.1	4160.7	4214.4	4318.3	4473.4	4628.6	4710.3	4732.5	4750.0
17.5°	4241.2	4221.4	4231.9	4250.6	4311.3	4444.3	4654.3	4789.6	4823.5	4842.1
20°	4462.9	4434.9	4418.6	4381.3	4370.8	4448.9	4652.0	4885.3	4929.6	4953.0
22.5°	4758.1	4739.5	4704.5	4610.0	4507.3	4506.1	4696.3	5007.8	5090.7	5112.8
25°	5115.2	5087.2	5042.8	4914.5	4717.3	4619.3	4771.0	5164.2	5303.0	5308.9
27.5°	5525.9	5483.9	5423.2	5254.0	4988.0	4796.6	4885.3	5343.9	5546.9	5544.5
30°	5958.8	5916.7	5852.6	5647.2	5312.4	5035.8	5044.0	5537.5	5836.2	5823.4
32.5°	6274.9	6243.4	6230.6	6071.9	5685.7	5318.2	5226.0	5752.2	6193.3	6181.6
35°	6517.6	6476.8	6492.0	6411.5	6092.9	5634.4	5448.9	6007.8	6627.3	6626.1
37.5°	6758.0	6721.8	6734.7	6681.0	6469.8	6035.8	5720.7	6320.5	7165.2	7190.9
40°	6977.4	6938.8	6990.2	6940.0	6762.7	6462.8	6029.9	6674.0	7788.3	7837.3
42.5°	7109.2	7078.9	7164.0	7165.2	7017.0	6823.3	6369.5	7063.7	8509.3	8619.0
45°	7154.7	7144.2	7272.5	7299.4	7242.2	7032.2	6675.2	7488.4	9286.4	9482.4
47.5°	7105.7	7085.9	7263.2	7362.4	7407.9	7130.2	6928.3	7948.1	10079.8	10366.8
50°	6858.3	6819.8	7083.5	7292.4	7454.6	7194.4	7183.9	8479.0	10981.7	11295.6
52.5°	6413.8	6384.6	6684.5	7047.4	7351.9	7225.9	7470.9	9058.9	11838.2	12244.2
55°	5845.6	5807.1	6137.3	6611.0	7096.4	7215.4	7757.9	9707.6	12848.6	13260.5
57.5°	4944.8	4867.8	5285.5	5845.6	6679.8	7202.5	8056.6	10352.8	13875.4	14368.9
60°	3631.0	3516.7	4028.9	4692.8	5865.4	7077.7	8426.5	11076.3	15107.5	15552.0
62.5°	2114.2	2047.7	2382.6	3002.1	4420.9	6342.6	8634.2	11917.5	16318.6	16785.3
65°	1641.7	1623.0	1652.2	1700.0	2460.7	4748.8	7993.6	12737.7	17858.7	18185.4
67.5°	1501.6	1487.6	1500.5	1410.6	1248.5	2645.1	6324.0	12945.4	19508.6	19706.9
70°	1334.8	1318.5	1360.5	1283.5	982.4	1203.0	4086.1	12191.7	20821.2	21193.4
72.5°	1087.4	1068.8	1166.8	1131.8	827.2	772.4	2052.4	10400.7	20683.5	21455.9
75°	835.4	824.9	941.6	970.8	674.4	607.9	984.8	7731.1	18201.8	18980.0
77.5°	648.7	640.6	700.1	806.2	543.7	471.4	605.6	4904.0	13716.7	13853.2
80°	486.5	463.2	518.1	624.2	423.5	344.2	410.7	2859.8	8670.3	7859.4
82.5°	304.5	292.9	338.4	416.5	298.7	236.9	267.2	1579.8	3474.7	2046.5
85°	173.9	169.2	184.4	238.0	162.2	136.5	152.8	697.7	634.7	436.4
87.5°	70.0	67.7	84.0	106.2	59.5	50.2	53.7	168.0	140.0	129.5
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°
4427.9	0°	4427.9	4427.9	4427.9	4427.9	4427.9	4427.9	4427.9	4427.9	4427.9	4427.9
4445.4	2.5°	4440.8	4440.8	4424.4	4398.8	4369.6	4350.9	4320.6	4312.4	4280.9	4271.6
4485.1	5°	4494.4	4485.1	4434.9	4362.6	4263.4	4172.4	4072.1	4009.1	3920.4	3888.9
4563.3	7.5°	4562.1	4536.4	4450.1	4291.4	4083.7	3879.5	3667.2	3506.2	3352.2	3297.3
4627.5	10°	4624.0	4587.8	4440.8	4163.1	3803.7	3450.2	3111.8	2874.9	2695.3	2621.8
4698.6	12.5°	4685.8	4619.3	4378.9	3949.6	3405.8	2926.3	2565.8	2381.4	2270.6	2181.9
4757.0	15°	4744.1	4650.8	4283.3	3663.7	2969.5	2482.9	2216.9	2069.9	1981.2	1922.9
4842.1	17.5°	4811.8	4677.6	4139.7	3300.8	2554.1	2176.0	1959.0	1870.3	1852.8	1845.8
4958.8	20°	4906.3	4702.1	3950.7	2894.8	2248.4	1931.0	1819.0	1810.8	1809.7	1806.2
5098.8	22.5°	5007.8	4731.3	3701.0	2526.1	1988.2	1778.2	1758.3	1742.0	1731.5	1730.3
5268.0	25°	5128.0	4740.6	3388.3	2223.9	1766.5	1705.8	1682.5	1658.0	1651.0	1651.0
5460.5	27.5°	5244.7	4709.1	3024.3	1961.4	1641.7	1639.3	1609.0	1600.8	1599.7	1603.2
5679.9	30°	5361.4	4649.6	2662.6	1718.7	1569.3	1569.3	1558.8	1564.7	1569.3	1581.0
5980.9	32.5°	5518.9	4586.6	2360.4	1539.0	1506.3	1494.6	1505.1	1516.8	1521.5	1536.7
6376.5	35°	5749.9	4542.3	2120.0	1441.0	1441.0	1425.8	1431.6	1429.3	1418.8	1411.8
6854.8	37.5°	6055.6	4539.9	1921.7	1395.5	1386.1	1383.8	1385.0	1369.8	1329.0	1280.0
7433.6	40°	6423.1	4603.0	1768.8	1364.0	1357.0	1371.0	1364.0	1323.1	1211.1	1125.9
8145.3	42.5°	6916.7	4782.6	1670.8	1325.5	1346.5	1364.0	1336.0	1194.8	1118.9	1061.8
8956.2	45°	7497.7	5074.3	1620.7	1284.6	1326.6	1347.6	1212.3	1150.4	1089.8	1020.9
9840.6	47.5°	8155.8	5441.9	1609.0	1246.1	1282.3	1295.1	1159.8	1131.8	1062.9	988.3
10729.7	50°	8872.2	5877.1	1640.5	1200.6	1218.1	1173.8	1142.3	1116.6	1045.4	971.9
11641.0	52.5°	9613.1	6356.6	1703.5	1138.8	1153.9	1104.9	1135.3	1113.1	1034.9	935.8
12582.6	55°	10341.2	6839.7	1764.2	1066.4	1088.6	1043.1	1115.4	1099.1	987.1	875.1
13587.2	57.5°	11080.9	7320.4	1823.7	1002.3	1025.6	983.6	1083.9	1061.8	933.4	819.1
14683.9	60°	11849.8	7787.1	1851.7	940.4	956.8	928.8	1036.1	997.6	872.8	761.9
15762.0	62.5°	12569.7	8175.6	1806.2	878.6	889.1	877.4	973.1	921.8	812.1	697.7
16885.7	65°	13292.0	8406.7	1666.2	817.9	820.2	814.4	884.4	840.1	740.9	641.7
17869.3	67.5°	13946.5	8536.2	1443.3	752.6	746.7	744.4	801.6	751.4	672.1	585.7
18617.2	70°	14085.4	8207.1	1102.6	675.6	675.6	669.7	710.6	659.2	596.2	526.2
18081.6	72.5°	12864.9	6903.8	782.9	588.1	597.4	585.7	619.6	576.4	519.2	472.5
15583.5	75°	10373.8	5062.7	569.4	498.2	514.6	494.7	526.2	495.9	446.9	445.7
10739.1	77.5°	7127.9	3130.5	413.0	410.7	422.4	396.7	432.9	416.5	372.2	352.4
4674.1	80°	3041.8	1248.5	301.0	317.4	317.4	294.0	336.0	340.7	302.2	292.9
901.9	82.5°	605.6	354.7	211.2	218.2	205.4	198.4	238.0	263.7	364.0	404.9
271.9	85°	182.0	130.7	127.2	119.0	105.0	106.2	140.0	264.9	326.7	186.7
89.8	87.5°	50.2	32.7	33.8	26.8	22.2	29.2	47.8	200.7	109.7	46.7
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>
4427.9
4286.8
3912.2
3304.3
2638.1
2211.0
1933.4
1850.5
1817.8
1743.2
1658.0
1612.5
1589.2
1549.5
1428.1
1281.1
1123.6
1059.4
1016.3
982.4
963.8
928.8
869.3
816.7
758.4
696.6
634.7
578.7
523.9
458.5
401.4
330.2
292.9
406.0
161.0
39.7
0.0

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