

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: P952207

Luminaire Tested: **GALN-SB6A-850-U-SL2**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P952207  
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-SB6A-850-U-SL2  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 80 CRI, 5000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II SPILL  
LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

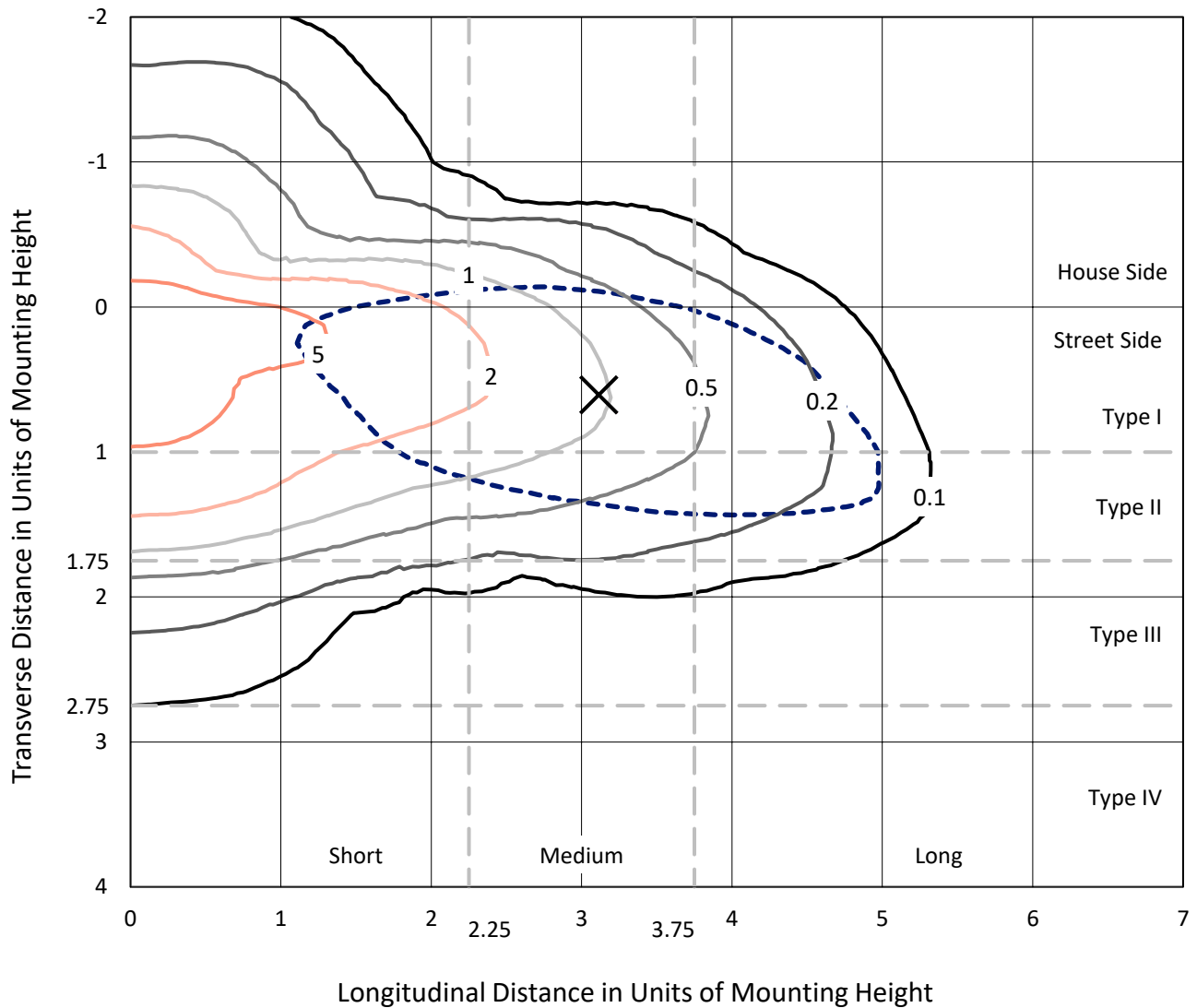
Lumens per Lamp: N/A  
Luminaire Lumens: 25862 lumens  
Efficiency: N/A  
Efficacy: 151.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G3  
  
Input Watts (W): 170.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

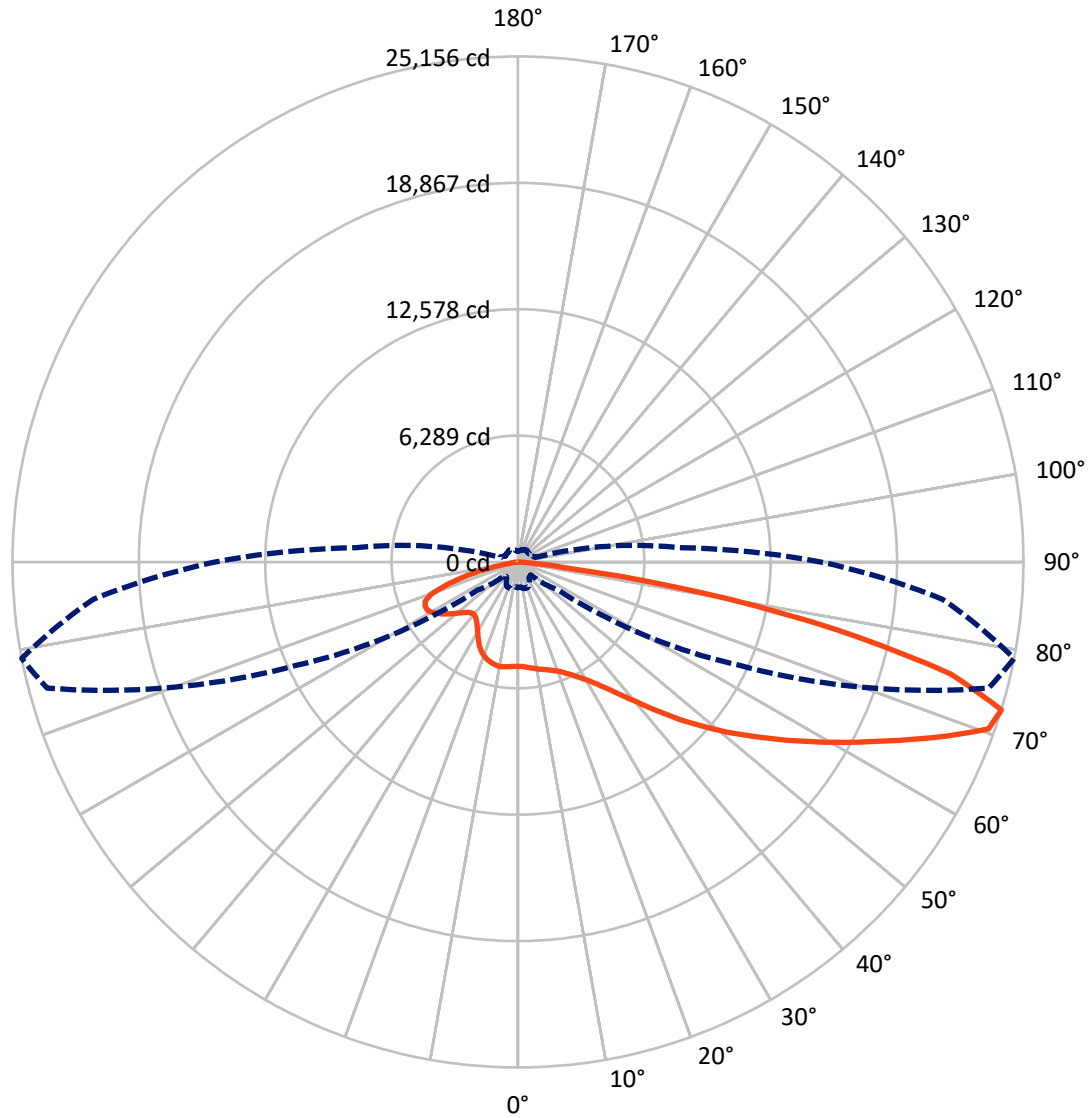
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.3 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	5691.1	0.0	5691.1
	% Fixture	22.0	0.0	22.0
<b>Street Side</b>	Lumens	20170.9	0.0	20170.9
	% Fixture	78.0	0.0	78.0
<b>Total</b>	Lumens	25862.0	0.0	25862.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	471.2	1.8
10°-20°	1232.1	4.8
20°-30°	1988.0	7.7
30°-40°	2983.8	11.5
40°-50°	4232.7	16.4
50°-60°	5345.3	20.7
60°-70°	5428.9	21.0
70°-80°	3700.0	14.3
80°-90°	480.1	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°	25862.0	100.0
0°-180°	25862.0	100.0

**Coefficient of Utilization**



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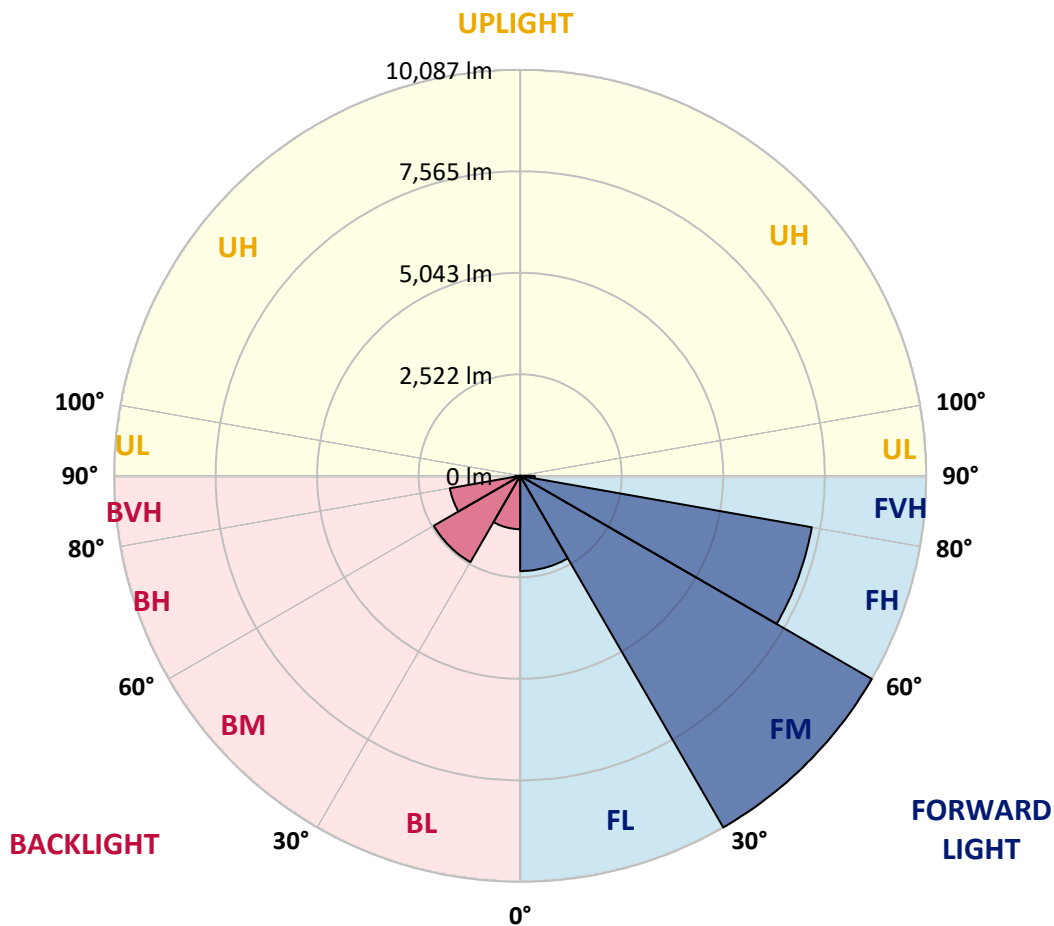
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2365.7	9.1			
FM (30°-60°)	10086.7	39.0			
FH (60°-80°)	7356.9	28.4			G3/7500
FVH (80°-90°)	361.6	1.4			G3/500
BL (0°-30°)	1325.6	5.1	B3/2500		
BM (30°-60°)	2475.0	9.6	B2/2500		
BH (60°-80°)	1772.0	6.9	B3/2500		G3/2500
BVH (80°-90°)	118.4	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°	5191.6	5191.6	5191.6	5191.6	5191.6	5191.6	5191.6	5191.6	5191.6	5191.6
2.5°	5194.3	5169.7	5184.7	5179.2	5186.1	5194.3	5197.0	5201.1	5214.8	5213.4
5°	5183.3	5158.7	5179.2	5172.4	5190.2	5209.3	5225.8	5240.8	5262.7	5272.3
7.5°	5160.1	5143.7	5164.2	5184.7	5217.5	5246.3	5269.5	5303.7	5335.2	5340.7
10°	5024.7	5012.3	5060.2	5113.6	5203.9	5281.8	5332.5	5372.1	5406.3	5411.8
12.5°	4883.8	4868.7	4922.1	4994.6	5140.9	5281.8	5388.5	5440.5	5470.6	5488.4
15°	4860.5	4848.2	4878.3	4941.2	5063.0	5244.9	5426.8	5522.6	5548.6	5569.1
17.5°	4972.7	4949.4	4961.7	4983.6	5054.8	5210.7	5456.9	5615.6	5655.3	5677.2
20°	5232.6	5199.8	5180.6	5136.8	5124.5	5216.2	5454.2	5727.8	5779.8	5807.1
22.5°	5578.7	5556.8	5515.8	5405.0	5284.6	5283.2	5506.2	5871.4	5968.6	5994.6
25°	5997.3	5964.5	5912.5	5762.0	5530.8	5415.9	5593.7	6054.8	6217.5	6224.4
27.5°	6478.8	6429.6	6358.5	6160.1	5848.2	5623.8	5727.8	6265.4	6503.5	6500.7
30°	6986.4	6937.1	6861.9	6621.1	6228.5	5904.3	5913.9	6492.5	6842.7	6827.7
32.5°	7357.1	7320.2	7305.1	7119.1	6666.3	6235.3	6127.3	6744.2	7261.3	7247.7
35°	7641.6	7593.8	7611.5	7517.1	7143.7	6606.1	6388.5	7043.8	7770.2	7768.9
37.5°	7923.4	7881.0	7896.1	7833.2	7585.5	7076.7	6707.3	7410.4	8400.9	8431.0
40°	8180.6	8135.5	8195.7	8136.8	7928.9	7577.3	7069.8	7824.9	9131.4	9188.8
42.5°	8335.2	8299.6	8399.5	8400.9	8227.1	8000.0	7467.9	8281.9	9976.8	10105.4
45°	8388.6	8376.2	8526.7	8558.2	8491.2	8244.9	7826.3	8779.8	10887.9	11117.7
47.5°	8331.1	8307.8	8515.8	8632.1	8685.4	8359.8	8123.2	9318.8	11818.1	12154.7
50°	8041.1	7995.9	8305.1	8550.0	8740.1	8435.1	8422.8	9941.2	12875.6	13243.6
52.5°	7519.9	7485.7	7837.3	8262.7	8619.8	8472.0	8759.3	10621.1	13879.7	14355.8
55°	6853.7	6808.5	7195.7	7751.1	8320.2	8459.7	9095.8	11381.7	15064.4	15547.3
57.5°	5797.6	5707.3	6197.0	6853.7	7831.8	8444.6	9446.0	12138.2	16268.2	16846.9
60°	4257.2	4123.1	4723.7	5502.1	6876.9	8298.3	9879.7	12986.4	17712.8	18234.0
62.5°	2478.8	2400.8	2793.5	3519.9	5183.3	7436.4	10123.2	13972.7	19132.8	19680.0
65°	1924.8	1902.9	1937.1	1993.2	2885.1	5567.7	9372.2	14934.4	20938.6	21321.6
67.5°	1760.6	1744.2	1759.2	1653.9	1463.8	3101.3	7414.5	15177.9	22872.9	23105.5
70°	1565.0	1545.8	1595.1	1504.8	1151.9	1410.4	4790.7	14294.2	24411.9	24848.3
72.5°	1275.0	1253.1	1368.0	1327.0	969.9	905.6	2406.3	12194.3	24250.5	25156.1
75°	979.5	967.2	1104.0	1138.2	790.7	712.7	1154.6	9064.4	21340.8	22253.2
77.5°	760.6	751.0	820.8	945.3	637.5	552.7	710.0	5749.7	16082.2	16242.2
80°	570.5	543.1	607.4	731.9	496.6	403.6	481.5	3353.0	10165.6	9214.8
82.5°	357.0	343.4	396.7	488.4	350.2	277.7	313.3	1852.3	4073.9	2399.5
85°	203.8	198.4	216.1	279.1	190.2	160.1	179.2	818.1	744.2	511.6
87.5°	82.1	79.3	98.5	124.5	69.8	58.8	62.9	197.0	164.2	151.8
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°
5191.6	0°	5191.6	5191.6	5191.6	5191.6	5191.6	5191.6	5191.6	5191.6	5191.6	5191.6
5212.1	2.5°	5206.6	5206.6	5187.4	5157.4	5123.2	5101.3	5065.7	5056.1	5019.2	5008.2
5258.6	5°	5269.5	5258.6	5199.8	5114.9	4998.7	4892.0	4774.3	4700.4	4596.5	4559.5
5350.2	7.5°	5348.9	5318.8	5217.5	5031.5	4788.0	4548.6	4299.6	4110.8	3930.3	3866.0
5425.5	10°	5421.4	5379.0	5206.6	4881.0	4459.7	4045.2	3648.4	3370.7	3160.1	3073.9
5508.9	12.5°	5493.9	5415.9	5134.1	4630.7	3993.2	3430.9	3008.2	2792.1	2662.1	2558.2
5577.3	15°	5562.3	5452.8	5021.9	4295.5	3481.6	2911.1	2599.2	2426.8	2322.9	2254.5
5677.2	17.5°	5641.6	5484.3	4853.7	3870.1	2994.5	2551.3	2296.9	2192.9	2172.4	2164.2
5814.0	20°	5752.4	5513.0	4632.0	3394.0	2636.1	2264.0	2132.7	2123.1	2121.8	2117.7
5978.1	22.5°	5871.4	5547.2	4339.3	2961.7	2331.1	2084.8	2061.6	2042.4	2030.1	2028.7
6176.5	25°	6012.3	5558.2	3972.7	2607.4	2071.1	2000.0	1972.7	1943.9	1935.7	1935.7
6402.2	27.5°	6149.1	5521.2	3545.8	2299.6	1924.8	1922.0	1886.5	1876.9	1875.5	1879.6
6659.4	30°	6285.9	5451.5	3121.8	2015.1	1840.0	1840.0	1827.6	1834.5	1840.0	1853.6
7012.4	32.5°	6470.6	5377.6	2767.5	1804.4	1766.1	1752.4	1764.7	1778.4	1783.9	1801.7
7476.1	35°	6741.5	5325.6	2485.7	1689.5	1689.5	1671.7	1678.5	1675.8	1663.5	1655.3
8037.0	37.5°	7099.9	5322.9	2253.1	1636.1	1625.2	1622.4	1623.8	1606.0	1558.1	1500.7
8715.5	40°	7530.8	5396.8	2073.9	1599.2	1591.0	1607.4	1599.2	1551.3	1420.0	1320.1
9550.0	42.5°	8109.5	5607.4	1959.0	1554.0	1578.7	1599.2	1566.4	1400.8	1311.9	1244.9
10500.7	45°	8790.8	5949.4	1900.1	1506.2	1555.4	1580.0	1421.3	1348.8	1277.7	1197.0
11537.7	47.5°	9562.3	6380.3	1886.5	1461.0	1503.4	1518.5	1359.8	1327.0	1246.2	1158.7
12580.1	50°	10402.3	6890.6	1923.4	1407.7	1428.2	1376.2	1339.3	1309.2	1225.7	1139.5
13648.5	52.5°	11270.9	7452.9	1997.3	1335.2	1352.9	1295.5	1331.1	1305.1	1213.4	1097.1
14752.5	55°	12124.6	8019.2	2068.4	1250.3	1276.3	1223.0	1307.8	1288.7	1157.3	1026.0
15930.3	57.5°	12991.9	8582.8	2138.2	1175.1	1202.5	1153.2	1270.9	1244.9	1094.4	960.3
17216.2	60°	13893.4	9130.0	2171.0	1102.6	1121.8	1088.9	1214.8	1169.6	1023.3	893.3
18480.3	62.5°	14737.4	9585.6	2117.7	1030.1	1042.4	1028.7	1140.9	1080.7	952.1	818.1
19797.7	65°	15584.2	9856.4	1953.5	959.0	961.7	954.9	1036.9	985.0	868.7	752.4
20950.9	67.5°	16351.7	10008.3	1692.2	882.4	875.5	872.8	939.8	881.0	788.0	686.7
21827.8	70°	16514.5	9622.5	1292.8	792.1	792.1	785.2	833.1	772.9	699.0	617.0
21199.9	72.5°	15083.5	8094.4	917.9	689.5	700.4	686.7	726.4	675.8	608.8	554.0
18271.0	75°	12162.9	5935.7	667.6	584.1	603.3	580.0	617.0	581.4	523.9	522.6
12591.0	77.5°	8357.1	3670.3	484.3	481.5	495.2	465.1	507.5	488.4	436.4	413.1
5480.2	80°	3566.4	1463.8	352.9	372.1	372.1	344.7	394.0	399.5	354.3	343.4
1057.5	82.5°	710.0	415.9	247.6	255.8	240.8	232.6	279.1	309.2	426.8	474.7
318.7	85°	213.4	153.2	149.1	139.5	123.1	124.5	164.2	310.5	383.0	218.9
105.3	87.5°	58.8	38.3	39.7	31.5	26.0	34.2	56.1	235.3	128.6	54.7
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>
5191.6
5026.0
4586.9
3874.2
3093.0
2592.4
2266.8
2169.6
2131.3
2043.8
1943.9
1890.6
1863.2
1816.7
1674.4
1502.1
1317.4
1242.1
1191.5
1151.9
1130.0
1088.9
1019.2
957.6
889.2
816.7
744.2
678.5
614.2
537.6
470.6
387.1
343.4
476.1
188.8
46.5
0.0

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