

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: P952503

Luminaire Tested: **GALN-SB6B-830-U-SL3**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P952503  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-12)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB6B-830-U-SL3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 80 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
SPILL LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

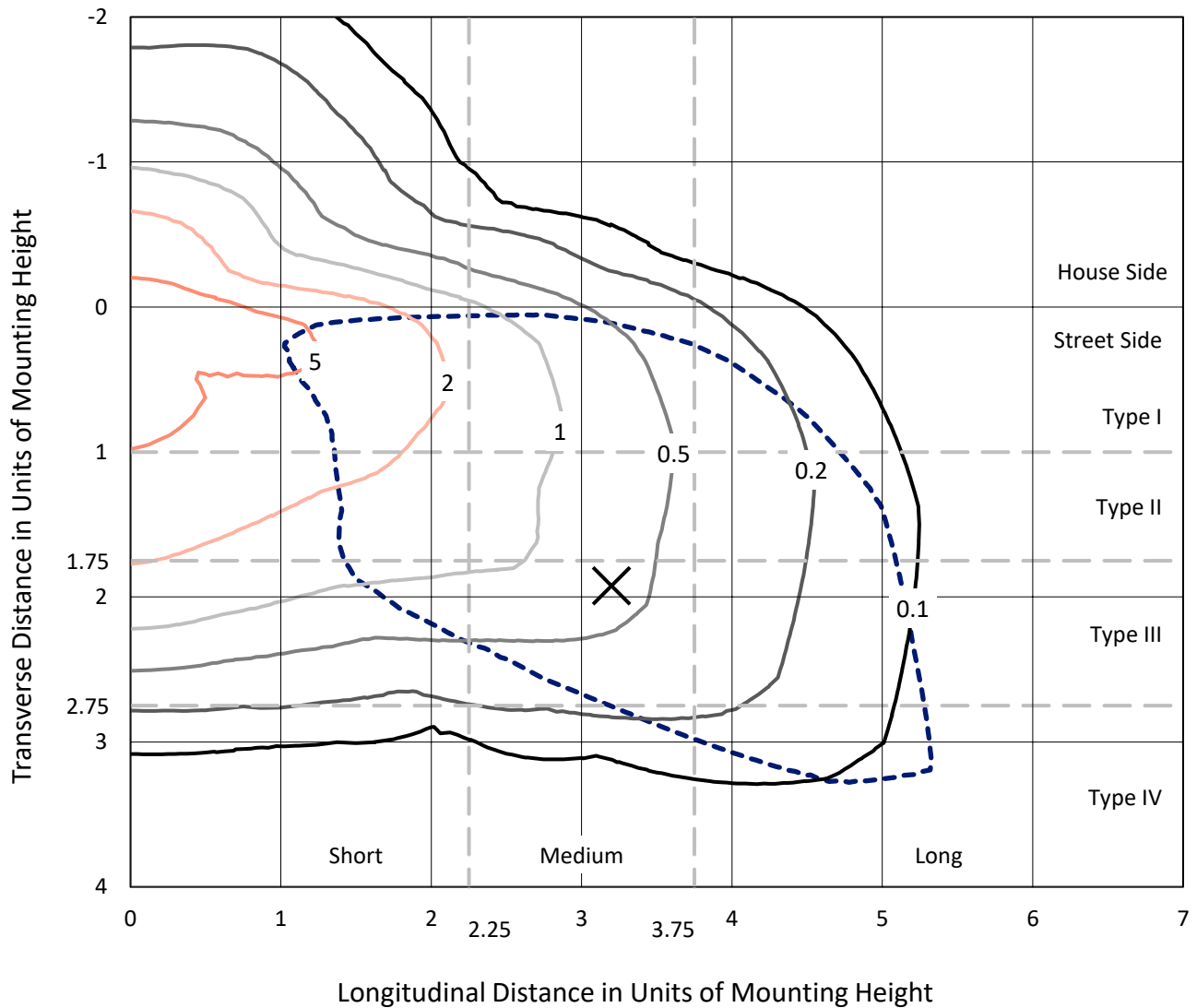
Lumens per Lamp: N/A  
Luminaire Lumens: 29987 lumens  
Efficiency: N/A  
Efficacy: 136.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B3 - U0 - G5  
  
Input Watts (W): 220.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

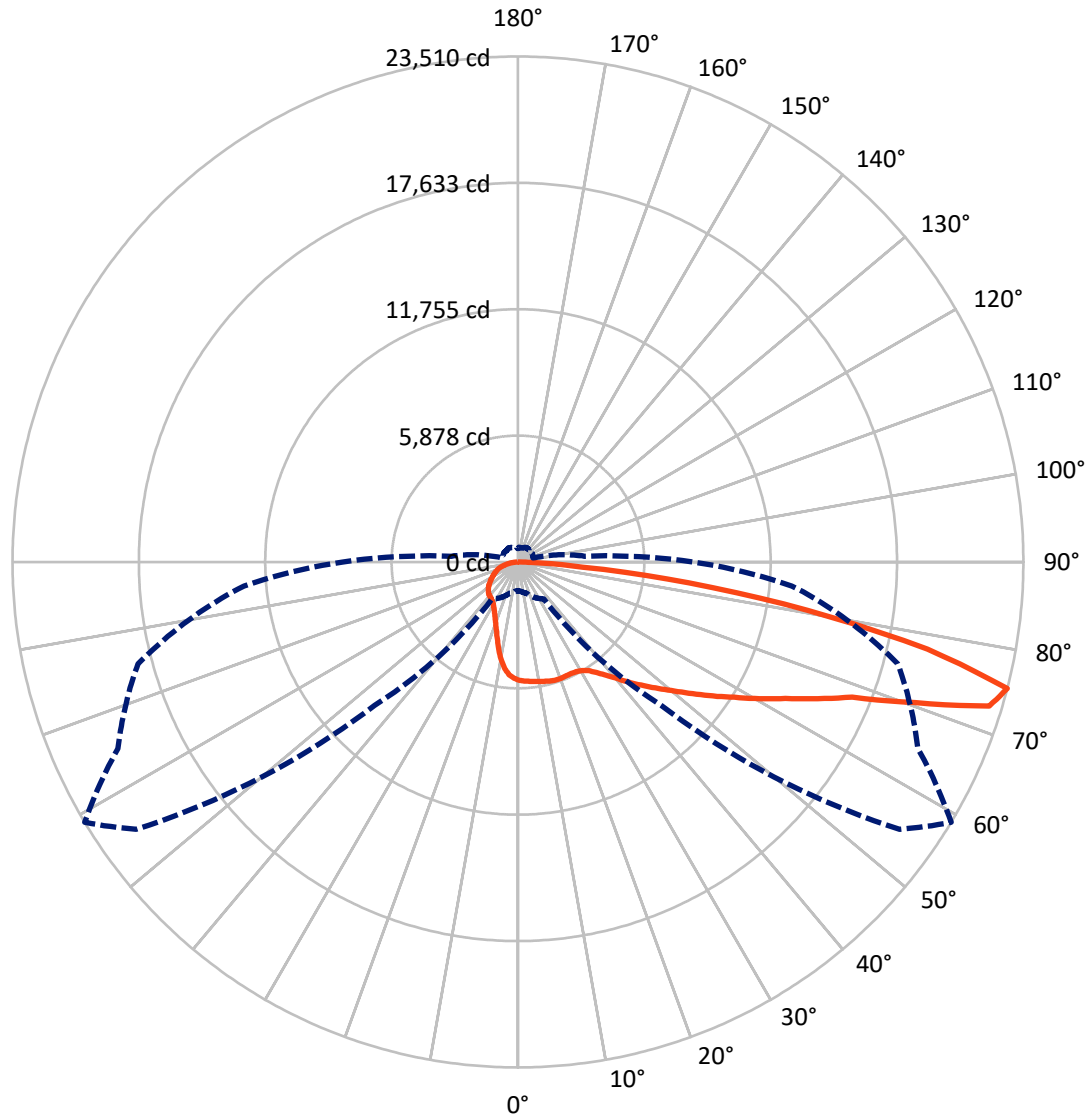
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.8 fc  
 Type IV - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral      - - - Horizontal Cone Through 75-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5624.3	0.0	5624.3
	% Fixture	18.8	0.0	18.8
<b>Street Side</b>	Lumens	24362.7	0.0	24362.7
	% Fixture	81.2	0.0	81.2
<b>Total</b>	Lumens	29987.0	0.0	29987.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	493.5	1.6
10°-20°	1261.5	4.2
20°-30°	1916.1	6.4
30°-40°	2848.2	9.5
40°-50°	4235.8	14.1
50°-60°	5749.6	19.2
60°-70°	7019.3	23.4
70°-80°	5508.7	18.4
80°-90°	954.2	3.2
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°	29987.0	100.0
0°-180°	29987.0	100.0



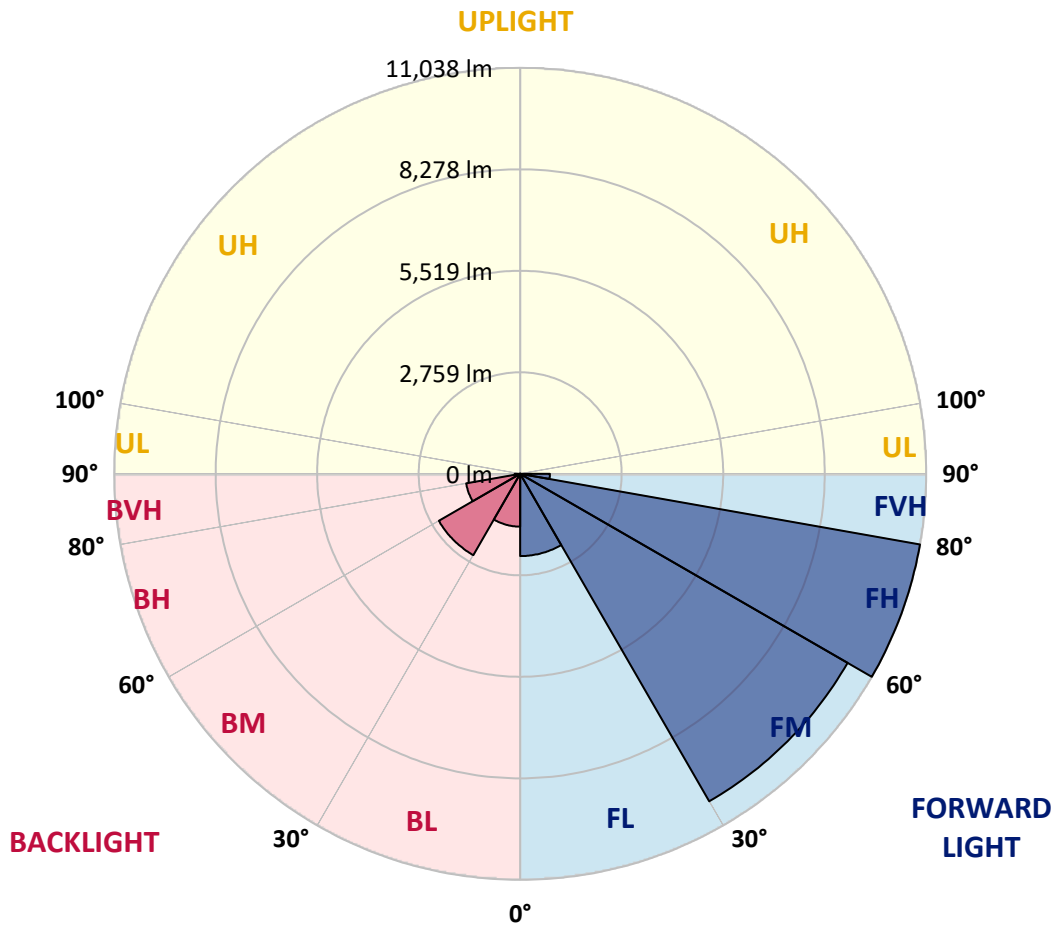
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2235.9	7.5			
FM (30°-60°)	10280.8	34.3			
FH (60°-80°)	11037.9	36.8			G4/12000
FVH (80°-90°)	808.2	2.7			G5
BL (0°-30°)	1435.3	4.8	B3/2500		
BM (30°-60°)	2552.9	8.5	B3/5000		
BH (60°-80°)	1490.1	5.0	B3/2500		G3/2500
BVH (80°-90°)	146.1	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-G5**

Type IV Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°
0°	5504.0	5504.0	5504.0	5504.0	5504.0	5504.0	5504.0	5504.0	5504.0	5504.0
2.5°	5550.8	5531.5	5550.8	5542.8	5539.5	5533.1	5534.7	5546.0	5539.5	5547.6
5°	5513.7	5502.4	5521.8	5517.0	5537.9	5541.1	5562.1	5575.0	5583.1	5584.7
7.5°	5452.4	5441.1	5468.6	5491.1	5536.3	5549.2	5592.8	5613.7	5625.0	5644.4
10°	5228.2	5223.4	5291.1	5376.6	5483.1	5549.2	5615.4	5650.8	5668.6	5720.2
12.5°	4831.4	4837.8	4926.5	5091.1	5304.0	5517.0	5641.2	5692.8	5720.2	5784.7
15°	4452.3	4450.7	4547.5	4723.3	5021.7	5375.0	5654.1	5742.8	5789.6	5884.7
17.5°	4232.9	4226.4	4294.2	4428.1	4705.5	5157.2	5621.8	5770.2	5870.2	5989.6
20°	4192.6	4179.7	4215.1	4281.3	4478.1	4918.5	5537.9	5770.2	5934.8	6089.6
22.5°	4339.4	4318.4	4303.9	4295.8	4382.9	4721.7	5442.7	5750.9	6029.9	6233.2
25°	4634.6	4602.3	4528.1	4455.5	4429.7	4632.9	5358.9	5746.0	6171.9	6426.8
27.5°	5112.1	5071.7	4921.7	4747.5	4591.0	4678.1	5321.8	5775.1	6328.4	6631.6
30°	5704.1	5660.5	5471.8	5204.0	4923.3	4845.9	5368.5	5860.6	6528.4	6904.3
32.5°	6234.8	6186.4	6025.1	5752.5	5373.4	5136.3	5517.0	6023.5	6843.0	7283.3
35°	6705.8	6649.4	6504.2	6252.5	5925.1	5544.4	5784.7	6312.2	7289.8	7899.6
37.5°	7167.2	7101.1	6943.0	6676.8	6447.7	6088.0	6154.1	6683.3	7883.4	8648.1
40°	7683.4	7588.2	7396.3	7133.3	6910.7	6725.2	6639.7	7138.2	8486.8	9483.7
42.5°	8183.5	8093.1	7864.1	7639.8	7360.8	7307.5	7202.7	7670.5	9146.5	10401.6
45°	8722.3	8614.2	8336.7	8052.8	7877.0	7694.7	7747.9	8202.8	9793.4	11337.2
47.5°	9227.2	9106.2	8778.7	8462.6	8365.8	8020.6	8248.0	8788.4	10466.1	12285.7
50°	9499.8	9380.4	9107.8	8822.3	8746.5	8422.2	8790.0	9432.1	11171.0	13231.0
52.5°	9727.3	9598.2	9241.7	9083.6	9061.0	8859.4	9457.9	10167.6	11876.0	14066.6
55°	9969.2	9825.7	9370.8	9228.8	9332.0	9349.8	10249.9	11001.6	12621.2	14881.3
57.5°	10248.3	10066.0	9495.0	9351.4	9596.6	9924.1	11159.7	11866.3	13353.6	15636.2
60°	10511.2	10327.3	9733.7	9546.6	9882.1	10590.3	12203.4	12913.2	14182.8	16308.9
62.5°	10562.9	10411.2	9924.1	9922.4	10269.3	11367.8	13439.1	13969.8	14907.1	16973.5
65°	9669.2	9574.0	9285.3	9907.9	10824.2	12487.3	14815.1	15321.6	15828.2	17554.2
67.5°	7359.2	7372.1	7351.1	8552.9	10375.7	14095.7	16807.3	16768.6	16965.4	18205.9
70°	3365.0	3440.8	3934.5	5904.1	8312.5	14281.2	20101.4	19599.7	18393.1	19049.6
72.5°	1818.0	1876.1	2077.7	2860.1	4997.5	12697.1	22563.0	22919.5	20291.7	19617.4
75°	1334.1	1366.3	1506.7	1818.0	2098.7	9436.9	21680.7	23510.0	20528.9	18293.1
77.5°	998.5	1013.1	1127.6	1440.5	1074.4	4974.9	17323.6	19470.6	17573.6	15029.7
80°	724.3	740.4	825.9	1080.8	753.3	1819.6	11895.3	13666.6	12035.7	9580.5
82.5°	500.1	506.5	543.6	735.6	525.9	706.6	6749.4	8014.1	6718.7	3361.8
85°	301.7	309.7	325.9	429.1	298.4	335.5	2913.3	3013.4	2008.4	803.3
87.5°	124.2	132.3	145.2	180.7	117.8	93.6	480.7	603.3	375.9	235.5
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°
5504.0	0°	5504.0	5504.0	5504.0	5504.0	5504.0	5504.0	5504.0	5504.0	5504.0	5504.0
5520.2	2.5°	5512.1	5500.8	5470.2	5428.2	5389.5	5341.1	5320.1	5302.4	5286.3	5255.6
5563.7	5°	5546.0	5515.3	5433.1	5326.6	5205.6	5073.3	4944.3	4855.6	4779.7	4723.3
5613.7	7.5°	5597.6	5539.5	5389.5	5171.7	4894.3	4610.4	4353.9	4171.6	4034.5	3984.5
5684.7	10°	5650.8	5581.5	5320.1	4936.2	4457.1	4020.0	3679.6	3492.5	3382.8	3347.3
5768.6	12.5°	5713.8	5612.1	5212.1	4608.8	3968.3	3489.2	3192.4	3082.7	3026.3	3006.9
5871.8	15°	5805.7	5637.9	5049.1	4199.0	3502.1	3102.1	2910.1	2834.3	2805.3	2803.6
5978.3	17.5°	5875.1	5642.8	4795.9	3760.2	3144.0	2868.2	2710.1	2681.0	2700.4	2729.4
6083.2	20°	5952.5	5599.2	4463.6	3360.2	2892.4	2663.3	2597.2	2616.5	2663.3	2705.2
6221.9	22.5°	6007.3	5520.2	4061.9	3048.8	2674.6	2545.5	2542.3	2582.6	2608.5	2629.4
6384.8	25°	6055.7	5386.3	3636.0	2787.5	2495.5	2474.6	2510.1	2497.1	2479.4	2497.1
6547.8	27.5°	6091.2	5175.0	3255.3	2558.4	2369.7	2426.2	2405.2	2376.2	2374.5	2384.2
6739.7	30°	6079.9	4892.7	2942.4	2340.7	2281.0	2335.8	2285.8	2281.0	2276.1	2281.0
7028.5	32.5°	6079.9	4571.6	2702.0	2190.6	2224.5	2203.6	2198.7	2187.4	2168.1	2166.5
7420.5	35°	6113.8	4250.6	2495.5	2110.0	2177.7	2127.7	2131.0	2103.5	2063.2	2043.9
7939.9	37.5°	6183.2	3992.5	2290.7	2071.3	2095.5	2093.9	2081.0	2034.2	1963.2	1901.9
8588.4	40°	6350.9	3916.7	2150.3	2053.5	2056.8	2076.1	2042.2	1951.9	1790.6	1690.6
9246.5	42.5°	6613.9	4044.2	2119.7	2010.0	2030.9	2050.3	1984.2	1774.5	1659.9	1600.2
9937.0	45°	6947.8	4266.8	2185.8	1947.1	1969.6	2003.5	1806.7	1706.7	1655.1	1656.7
10620.9	47.5°	7370.5	4500.7	2308.4	1892.2	1880.9	1900.3	1689.0	1627.7	1556.7	1574.4
11277.5	50°	7859.2	4737.8	2424.6	1818.0	1782.5	1719.6	1613.1	1555.1	1464.7	1422.8
11911.5	52.5°	8388.3	4966.9	2471.3	1727.7	1676.1	1603.5	1561.5	1490.5	1380.9	1311.5
12509.9	55°	8890.0	5175.0	2419.7	1619.6	1569.6	1513.1	1506.7	1463.1	1345.4	1248.6
13042.3	57.5°	9364.3	5349.2	2290.7	1509.9	1461.5	1427.6	1471.2	1450.2	1301.8	1177.6
13545.6	60°	9766.0	5468.6	2103.5	1398.6	1364.7	1347.0	1413.1	1406.7	1240.5	1101.8
13997.2	62.5°	10085.4	5515.3	1897.1	1292.1	1284.1	1251.8	1332.5	1332.5	1163.1	1027.6
14394.1	65°	10335.4	5470.2	1687.3	1187.3	1203.4	1155.0	1234.1	1224.4	1080.8	961.4
14850.6	67.5°	10556.4	5321.8	1455.1	1084.0	1121.1	1059.8	1130.8	1108.2	990.5	895.3
15245.8	70°	10654.8	4976.5	1190.5	980.8	1026.0	966.3	1027.6	985.6	888.8	824.3
14811.9	72.5°	9864.4	4136.1	937.2	872.7	911.4	863.0	916.3	867.9	779.1	750.1
12790.6	75°	8160.9	3103.7	721.1	755.0	784.0	746.9	782.4	746.9	666.2	687.2
9448.2	77.5°	5926.7	2095.5	551.7	630.7	643.6	624.3	654.9	614.6	542.0	537.2
4708.8	80°	2947.2	1227.6	432.3	498.5	493.6	480.7	516.2	496.8	435.5	461.4
1271.2	82.5°	853.4	525.9	314.6	350.1	340.4	343.6	369.4	379.1	567.8	563.0
395.2	85°	267.8	206.5	188.7	195.2	185.5	190.4	217.8	432.3	400.1	233.9
122.6	87.5°	69.4	71.0	46.8	50.0	51.6	61.3	69.4	262.9	125.8	82.3
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>
5504.0
5241.1
4676.5
3897.4
3292.4
3011.7
2810.1
2740.7
2719.8
2640.7
2508.4
2400.4
2298.7
2187.4
2063.2
1922.9
1703.5
1600.2
1664.8
1619.6
1434.1
1309.9
1248.6
1171.1
1096.9
1022.7
955.0
888.8
811.4
725.9
627.5
513.0
456.5
575.9
253.3
87.1
0.0

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