

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: P942237

Luminaire Tested: **GALN-SB6A-927-U-T3**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P942237  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB6A-927-U-T3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 90 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

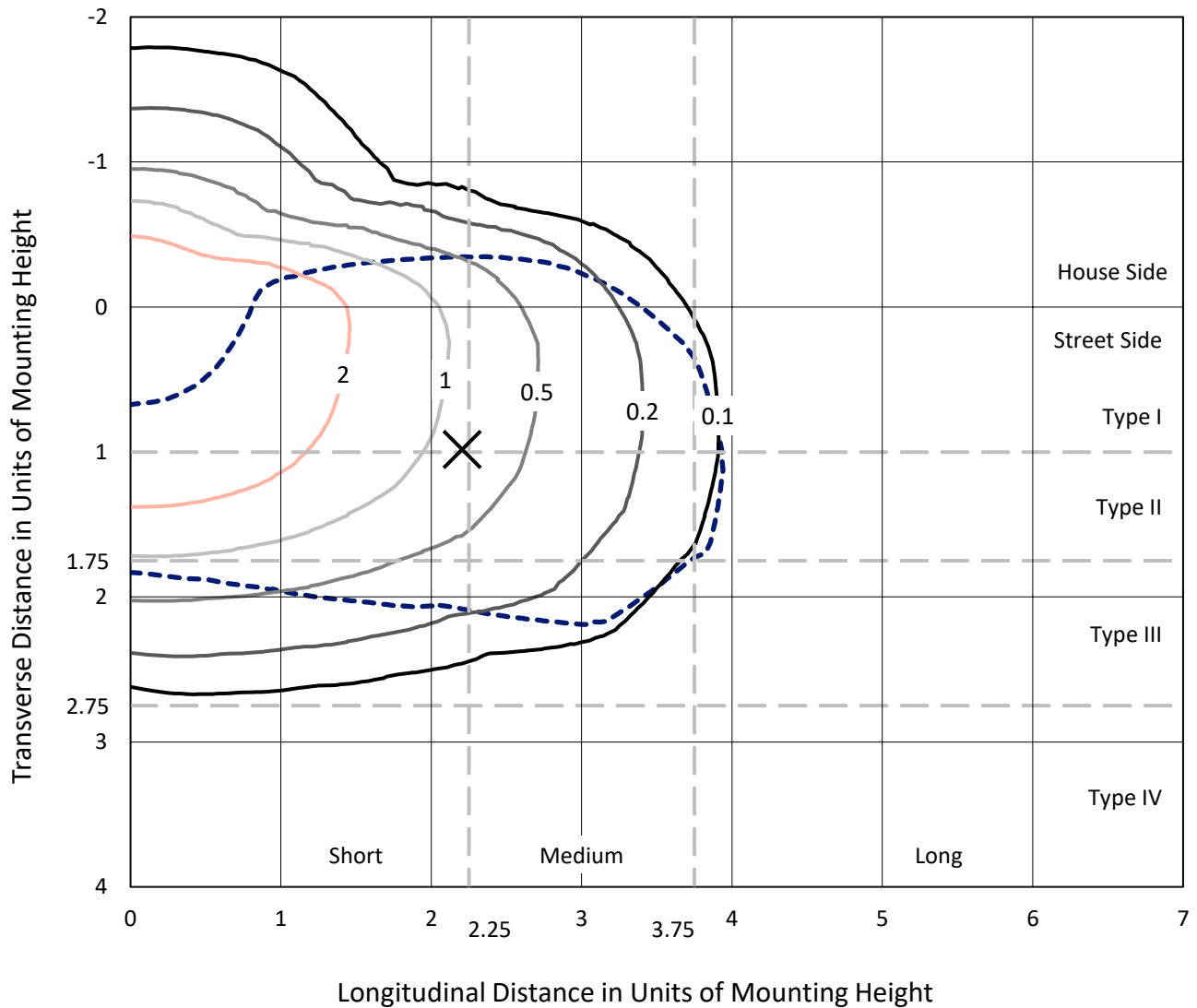
Lumens per Lamp: N/A  
Luminaire Lumens: 16569 lumens  
Efficiency: N/A  
Efficacy: 97.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G3  
  
Input Watts (W): 170.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

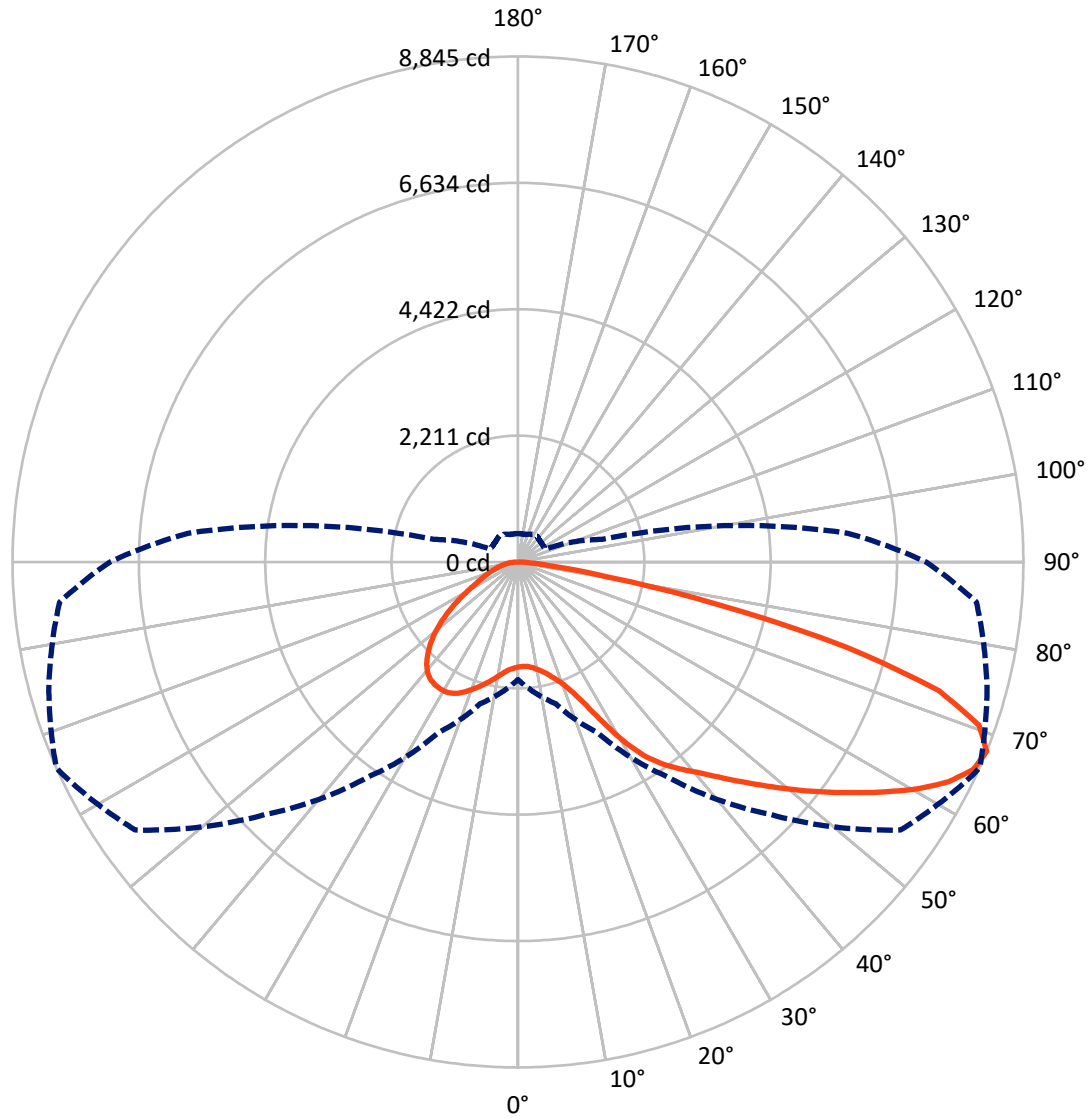
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.2 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral      - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4119.8	0.0	4119.8
	% Fixture	24.9	0.0	24.9
<b>Street Side</b>	Lumens	12449.2	0.0	12449.2
	% Fixture	75.1	0.0	75.1
<b>Total</b>	Lumens	16569.0	0.0	16569.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	182.2	1.1
10°-20°	602.0	3.6
20°-30°	1160.3	7.0
30°-40°	2034.4	12.3
40°-50°	3024.5	18.3
50°-60°	3833.8	23.1
60°-70°	3751.3	22.6
70°-80°	1789.4	10.8
80°-90°	191.2	1.2
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°	16569.0	100.0
0°-180°	16569.0	100.0

**Coefficient of Utilization**



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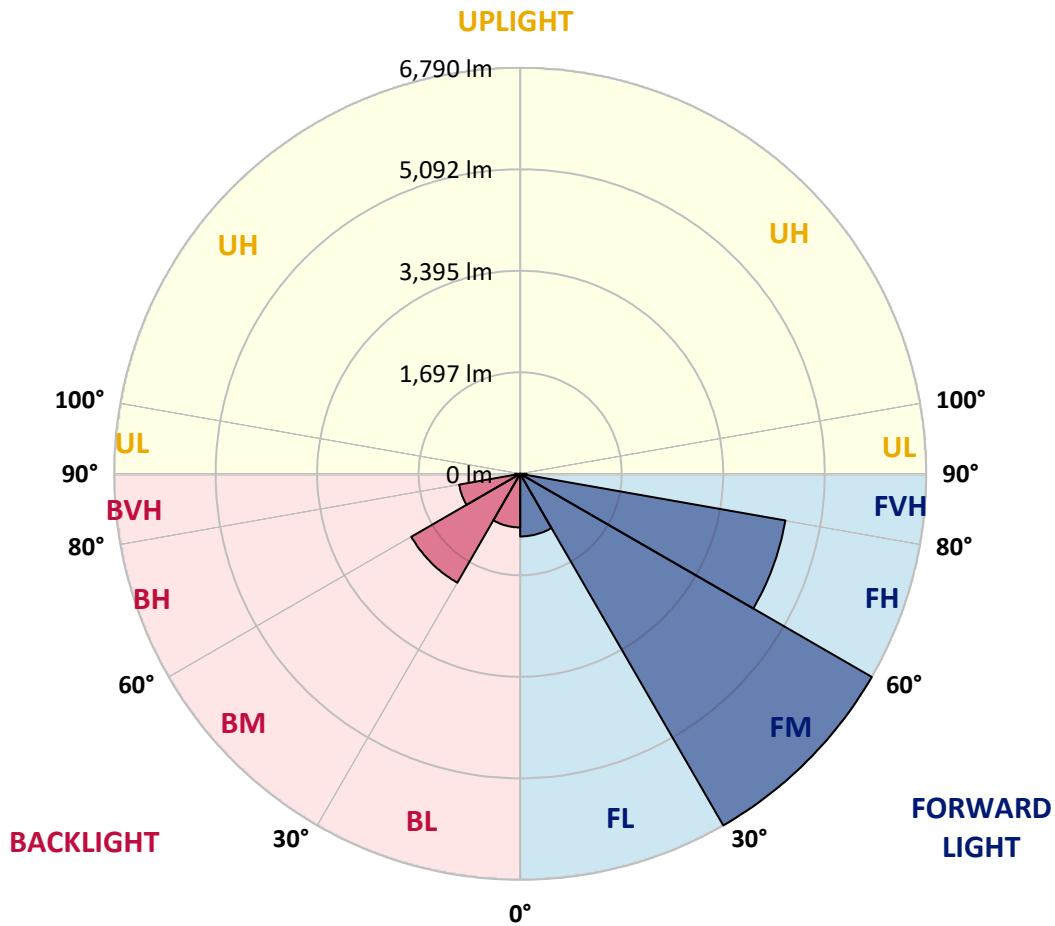
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1047.0	6.3			
FM (30°-60°)	6789.8	41.0			
FH (60°-80°)	4503.9	27.2			G2/5000
FVH (80°-90°)	108.4	0.7			G2/225
BL (0°-30°)	897.4	5.4	B2/1000		
BM (30°-60°)	2102.8	12.7	B2/2500		
BH (60°-80°)	1036.8	6.3	B3/2500		G3/2500
BVH (80°-90°)	82.8	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G3**

Type III Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	1837.7	1837.7	1837.7	1837.7	1837.7	1837.7	1837.7	1837.7	1837.7	1837.7
2.5°	1818.6	1829.0	1826.4	1822.1	1821.2	1822.9	1825.5	1828.1	1827.3	1831.6
5°	1813.3	1823.8	1822.9	1822.9	1826.4	1833.4	1837.7	1842.1	1837.7	1842.9
7.5°	1816.8	1824.7	1828.1	1831.6	1840.3	1853.4	1863.8	1873.4	1868.2	1874.3
10°	1861.2	1867.3	1870.8	1870.8	1876.9	1891.7	1902.1	1919.6	1915.2	1924.8
12.5°	1942.2	1948.3	1948.3	1944.8	1949.2	1958.7	1962.2	1981.4	1973.5	1989.2
15°	2041.4	2053.6	2044.0	2037.9	2039.7	2049.3	2048.4	2063.2	2055.4	2068.4
17.5°	2151.1	2166.8	2151.1	2150.2	2146.8	2157.2	2158.1	2171.1	2157.2	2166.8
20°	2280.8	2302.6	2289.5	2293.9	2286.1	2290.4	2294.8	2313.9	2292.1	2299.1
22.5°	2463.6	2489.8	2475.8	2492.4	2487.1	2483.7	2482.8	2516.7	2482.8	2485.4
25°	2730.0	2761.4	2737.0	2759.6	2759.6	2770.9	2784.0	2827.5	2770.9	2754.4
27.5°	3123.5	3154.9	3107.0	3120.9	3116.6	3144.4	3130.5	3238.4	3177.5	3150.5
30°	3597.1	3652.8	3562.3	3558.8	3554.4	3598.8	3618.9	3690.2	3628.4	3601.4
32.5°	4109.0	4167.3	4059.4	4028.0	4011.5	4038.5	4021.9	4079.4	4036.7	3994.9
35°	4650.5	4707.9	4605.2	4544.2	4478.1	4421.5	4362.3	4377.1	4337.1	4273.5
37.5°	5162.3	5267.7	5158.9	5093.6	4971.7	4861.1	4695.7	4626.9	4589.5	4531.2
40°	5683.8	5743.9	5661.2	5605.4	5473.1	5299.9	5035.2	4889.9	4839.4	4782.8
42.5°	6067.7	6125.2	6080.8	6042.5	5938.9	5737.8	5395.6	5213.7	5140.6	5077.0
45°	6372.4	6415.0	6387.2	6401.1	6356.7	6161.7	5769.1	5561.0	5485.3	5407.8
47.5°	6495.1	6540.4	6584.8	6667.5	6743.2	6599.6	6170.4	5937.1	5857.0	5777.8
50°	6481.2	6527.3	6656.2	6832.0	7067.1	7019.2	6593.5	6337.6	6263.6	6173.0
52.5°	6369.8	6422.0	6587.4	6879.9	7254.3	7333.5	7024.4	6751.1	6681.4	6573.5
55°	6077.3	6108.6	6356.7	6771.1	7298.7	7552.9	7446.6	7191.6	7121.9	6971.3
57.5°	5534.9	5580.2	5941.5	6477.7	7187.2	7701.7	7817.5	7654.7	7587.7	7370.9
60°	4827.2	4899.4	5312.9	5985.0	6903.4	7700.8	8154.4	8110.0	8054.3	7764.4
62.5°	4026.3	4109.8	4507.7	5288.6	6407.2	7482.3	8365.1	8491.3	8462.6	8127.4
65°	3092.2	3149.6	3545.7	4387.5	5635.0	7013.1	8389.4	8751.6	8756.8	8403.4
67.5°	2058.8	2224.2	2568.1	3292.4	4600.8	6246.2	8175.3	8794.2	8844.7	8498.3
70°	1004.6	1222.2	1559.1	2139.8	3292.4	5070.1	7615.5	8444.3	8556.6	8221.4
72.5°	417.0	487.5	671.2	1056.0	1890.0	3421.2	6490.8	7495.4	7703.5	7284.7
75°	281.2	304.7	383.9	541.5	861.0	1687.1	4680.9	5588.9	5924.1	5501.8
77.5°	216.8	231.6	279.4	378.7	511.9	638.1	2505.4	3368.1	3541.4	3278.5
80°	170.6	181.9	208.9	276.0	363.0	341.3	854.0	1526.1	1626.2	1364.1
82.5°	148.0	152.3	149.7	187.2	241.1	199.4	280.3	563.2	621.6	450.9
85°	107.1	119.3	124.5	115.8	128.0	101.0	114.9	199.4	219.4	195.9
87.5°	43.5	64.4	79.2	74.9	47.0	28.7	35.7	58.3	67.0	73.1
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°
1837.7	0°	1837.7	1837.7	1837.7	1837.7	1837.7	1837.7	1837.7	1837.7	1837.7	1837.7
1838.6	2.5°	1839.5	1845.6	1849.9	1855.1	1858.6	1863.8	1874.3	1880.4	1881.2	1885.6
1852.5	5°	1856.0	1864.7	1874.3	1888.2	1903.9	1916.9	1937.0	1950.9	1956.1	1960.5
1886.5	7.5°	1891.7	1903.9	1921.3	1945.7	1968.3	1985.7	2010.1	2026.6	2043.2	2049.3
1940.4	10°	1944.8	1962.2	1987.5	2020.5	2044.9	2067.5	2092.8	2106.7	2123.3	2130.2
2004.9	12.5°	2011.0	2029.2	2062.3	2108.5	2131.1	2146.8	2155.5	2152.0	2155.5	2161.6
2082.3	15°	2086.7	2106.7	2144.2	2193.8	2209.4	2195.5	2176.4	2159.0	2156.3	2158.1
2176.4	17.5°	2176.4	2191.2	2234.7	2276.5	2265.2	2207.7	2165.9	2138.1	2124.1	2119.8
2296.5	20°	2301.7	2301.7	2337.4	2363.5	2287.8	2190.3	2125.0	2079.7	2051.0	2038.8
2460.2	22.5°	2454.1	2440.1	2462.8	2444.5	2283.4	2141.5	2051.0	1972.7	1929.1	1911.7
2689.1	25°	2647.3	2630.8	2624.7	2511.5	2252.1	2064.1	1916.9	1822.1	1783.7	1774.2
3019.1	27.5°	2939.0	2897.2	2818.0	2548.1	2194.6	1942.2	1760.2	1672.3	1650.6	1651.4
3443.0	30°	3327.2	3243.7	3049.5	2554.2	2100.6	1769.8	1600.1	1537.4	1526.9	1531.3
3799.1	32.5°	3686.8	3607.5	3286.3	2526.3	1956.1	1600.9	1456.4	1414.6	1399.0	1404.2
4070.7	35°	3968.8	3947.1	3505.7	2487.1	1778.5	1442.5	1327.6	1291.9	1261.4	1254.5
4326.6	37.5°	4235.2	4226.5	3670.2	2432.3	1602.7	1330.2	1224.0	1177.0	1132.6	1108.2
4609.5	40°	4527.7	4519.0	3778.2	2347.9	1446.8	1232.7	1130.8	1069.0	1014.2	969.8
4929.9	42.5°	4856.8	4805.4	3829.5	2226.9	1314.5	1150.0	1055.1	971.5	899.3	858.4
5292.0	45°	5216.3	5100.5	3828.7	2072.8	1203.1	1074.3	974.1	855.7	788.7	750.4
5663.8	47.5°	5597.6	5382.6	3781.6	1902.1	1095.1	990.7	848.8	758.2	713.8	690.3
6067.7	50°	5991.1	5646.4	3701.6	1706.3	984.6	895.8	770.4	708.6	674.7	652.9
6468.2	52.5°	6361.1	5885.8	3604.9	1484.3	872.3	803.5	735.6	687.7	652.0	627.7
6856.4	55°	6704.9	6092.1	3468.3	1257.1	780.9	741.7	719.1	679.0	638.1	609.4
7250.8	57.5°	7010.5	6226.1	3232.3	1043.8	715.6	699.0	701.7	664.2	617.2	592.8
7639.0	60°	7264.7	6324.5	2883.2	846.2	662.5	657.3	674.7	636.4	581.5	553.7
7967.2	62.5°	7417.0	6322.8	2454.9	693.0	617.2	619.0	639.0	601.5	545.8	519.7
8138.7	65°	7404.0	6167.8	1984.8	592.8	573.7	575.4	601.5	563.2	516.2	500.6
8052.5	67.5°	7142.0	5790.0	1522.6	527.6	525.8	533.6	564.1	537.1	498.0	496.2
7538.9	70°	6432.5	5005.6	1096.9	475.3	476.2	487.5	527.6	520.6	488.4	491.9
6338.4	72.5°	5158.0	3816.5	736.5	420.5	421.3	439.6	492.7	507.5	478.8	524.9
4497.2	75°	3435.2	2380.1	473.6	362.1	363.0	386.5	462.3	482.3	452.7	523.2
2340.0	77.5°	1650.6	1069.9	343.0	304.7	304.7	326.5	399.6	431.8	385.7	406.5
752.2	80°	570.2	402.2	269.9	245.5	240.3	255.1	336.9	374.3	332.5	306.4
245.5	82.5°	224.6	208.9	216.8	190.6	173.2	182.8	262.0	309.0	244.6	221.1
138.4	85°	128.8	135.8	153.2	126.2	100.1	112.3	192.4	222.0	184.6	162.8
45.3	87.5°	34.8	47.9	70.5	65.3	45.3	47.9	91.4	122.7	106.2	81.8
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>
1837.7
1884.7
1959.6
2050.1
2133.7
2163.3
2164.2
2125.9
2036.2
1909.1
1775.9
1654.0
1546.1
1411.2
1259.7
1109.1
974.1
861.0
748.7
685.1
645.1
617.2
598.1
577.2
541.5
511.9
499.7
498.8
491.0
531.9
527.6
372.6
287.3
220.2
166.3
84.4
0.0

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