

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: P940535

Luminaire Tested: **GALN-SB3C-927-U-T2**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P940535  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: GALN-SB3C-927-U-T2  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 90 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 13552 lumens  
Efficiency: N/A  
Efficacy: 90.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G3

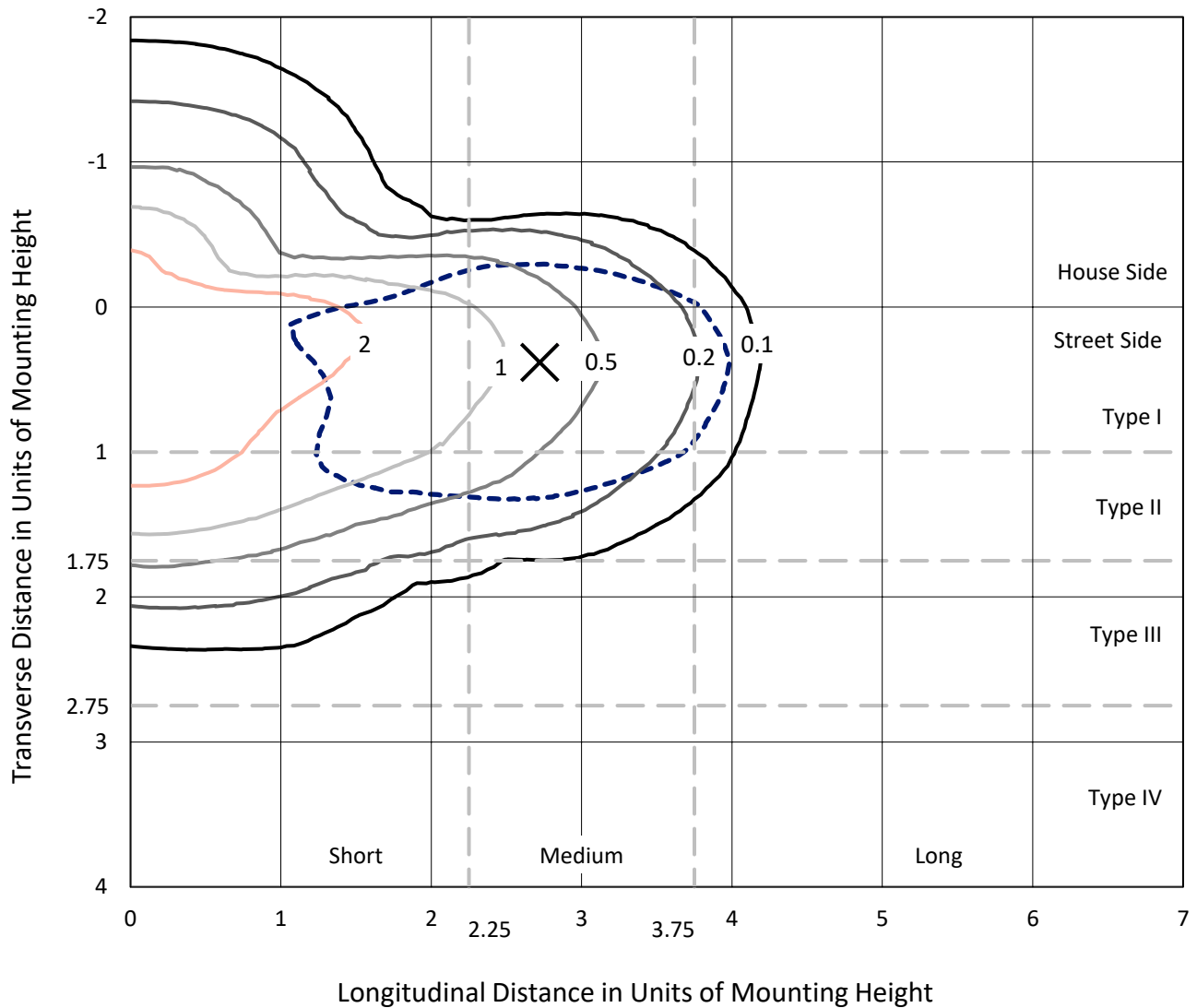
Input Watts (W): 149.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

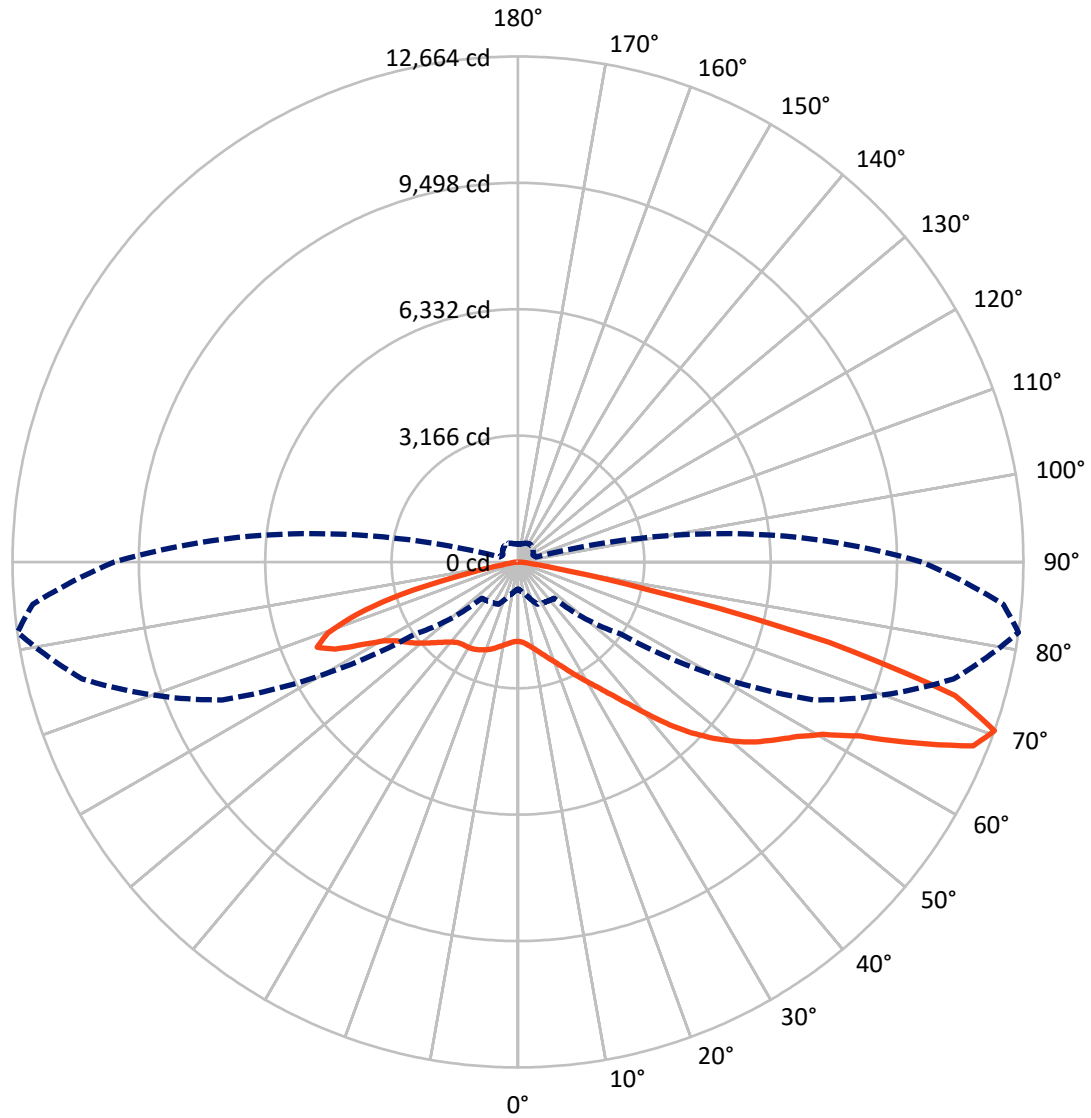
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.6 fc  
 Type II - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3340.9	0.0	3340.9
	% Fixture	24.7	0.0	24.7
<b>Street Side</b>	Lumens	10211.1	0.0	10211.1
	% Fixture	75.3	0.0	75.3
<b>Total</b>	Lumens	13552.0	0.0	13552.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	187.6	1.4
10°-20°	539.0	4.0
20°-30°	901.7	6.7
30°-40°	1408.6	10.4
40°-50°	2243.4	16.6
50°-60°	3122.0	23.0
60°-70°	3265.7	24.1
70°-80°	1706.8	12.6
80°-90°	177.2	1.3
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°	13552.0	100.0
0°-180°	13552.0	100.0

**Coefficient of Utilization**



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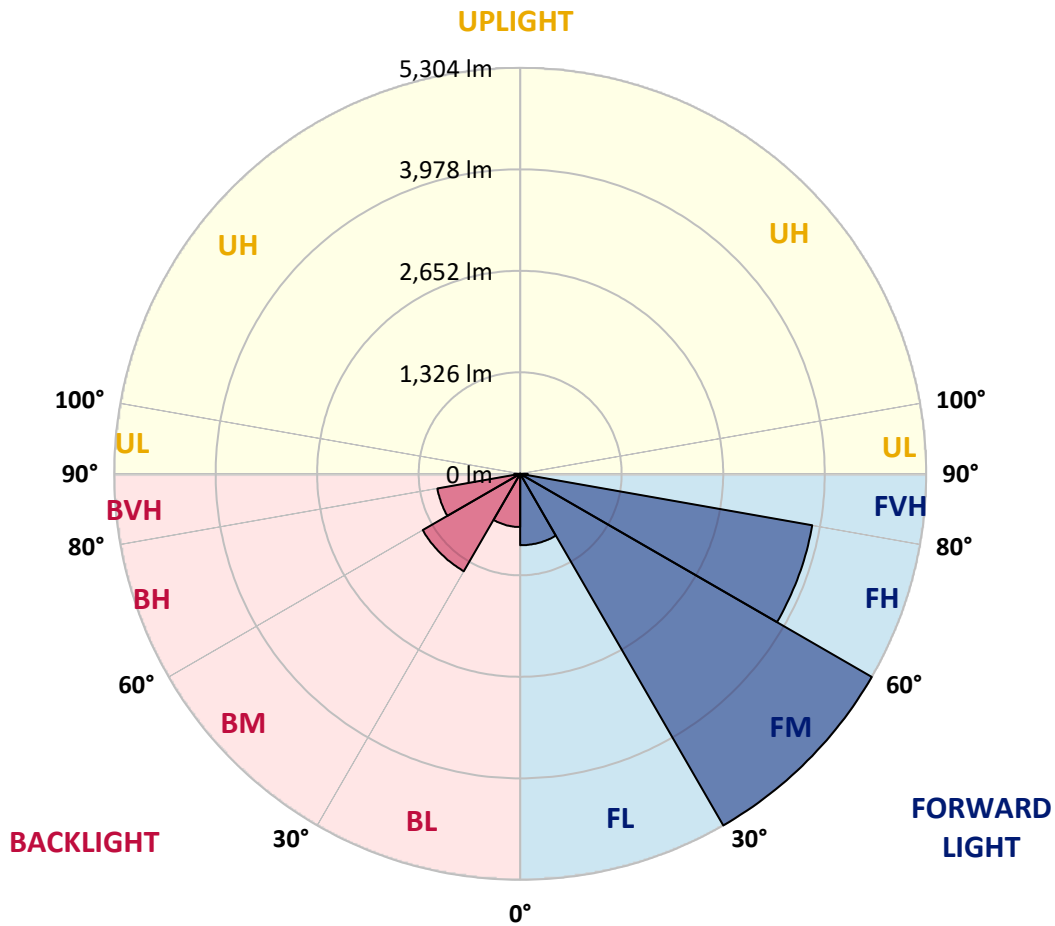
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	933.2	6.9			
FM (30°-60°)	5304.1	39.1			
FH (60°-80°)	3874.6	28.6			G2/5000
FVH (80°-90°)	99.2	0.7			G1/100
BL (0°-30°)	695.0	5.1	B2/1000		
BM (30°-60°)	1469.9	10.8	B2/2500		
BH (60°-80°)	1098.0	8.1	B3/2500		G3/2500
BVH (80°-90°)	78.0	0.6			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 II Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	1986.9	1986.9	1986.9	1986.9	1986.9	1986.9	1986.9	1986.9	1986.9	1986.9
2.5°	2034.4	2045.9	2042.3	2038.7	2038.7	2033.6	2032.9	2025.7	2020.0	2010.6
5°	2060.2	2072.5	2071.0	2073.9	2083.3	2085.4	2087.6	2083.3	2071.7	2060.2
7.5°	2037.2	2050.9	2055.2	2072.5	2101.2	2127.1	2146.5	2154.4	2143.7	2127.1
10°	1959.6	1974.7	1989.8	2030.8	2081.8	2142.9	2194.7	2225.6	2223.5	2207.7
12.5°	1802.1	1817.9	1850.3	1930.1	2023.6	2131.4	2227.8	2292.5	2314.8	2303.3
15°	1676.2	1689.9	1714.4	1796.3	1917.9	2081.8	2240.0	2365.9	2422.7	2416.2
17.5°	1672.6	1678.4	1693.5	1732.3	1825.8	2004.2	2227.1	2437.8	2546.4	2545.6
20°	1735.9	1738.1	1746.7	1754.6	1807.8	1945.2	2194.0	2497.5	2685.1	2685.1
22.5°	1823.7	1822.2	1830.8	1823.7	1849.5	1940.2	2173.1	2550.0	2839.8	2851.3
25°	1955.3	1948.1	1945.9	1929.4	1934.4	1986.9	2196.2	2609.6	3023.1	3046.9
27.5°	2130.7	2119.2	2111.3	2073.2	2060.2	2083.3	2266.6	2681.6	3227.4	3268.3
30°	2359.4	2338.5	2327.0	2260.9	2214.1	2217.7	2373.1	2777.2	3440.9	3507.1
32.5°	2671.5	2639.1	2608.2	2499.6	2414.0	2386.0	2510.4	2909.5	3672.5	3778.2
35°	3021.0	2995.1	2962.0	2794.4	2662.9	2598.1	2695.9	3094.3	3943.6	4111.1
37.5°	3357.5	3335.2	3351.0	3125.2	2955.5	2861.3	2939.0	3342.4	4278.0	4525.3
40°	3705.6	3688.3	3690.5	3474.7	3277.0	3171.3	3233.8	3653.8	4661.3	5017.9
42.5°	4083.8	4070.9	4027.7	3836.4	3614.2	3515.7	3573.2	4013.3	5072.6	5578.8
45°	4507.4	4499.5	4459.2	4239.9	3985.3	3874.5	3952.2	4410.3	5486.1	6106.7
47.5°	4873.4	4879.9	4874.8	4690.0	4426.1	4263.6	4356.4	4824.5	5870.8	6602.8
50°	5049.6	5083.4	5133.0	5075.5	4911.5	4746.1	4764.1	5224.3	6237.5	7068.1
52.5°	4957.5	5021.5	5156.7	5248.8	5312.0	5277.5	5229.3	5621.3	6582.7	7488.1
55°	4614.5	4704.4	4928.8	5151.0	5473.8	5724.8	5788.1	6061.4	6919.2	7857.7
57.5°	3989.6	4135.6	4336.9	4786.4	5330.0	5941.3	6439.6	6671.9	7275.9	8252.5
60°	2918.1	3113.7	3364.0	4032.8	4826.6	5825.5	6994.0	7609.6	7782.9	8763.8
62.5°	1867.5	1988.3	2218.4	2848.4	3760.9	5232.2	7163.7	8781.7	8642.2	9602.2
65°	1278.6	1356.2	1566.9	1920.7	2431.3	3894.7	6709.3	9660.5	10007.1	10931.1
67.5°	929.1	988.1	1167.8	1477.8	1584.2	2304.7	5206.3	9620.2	11333.8	12300.3
70°	677.4	719.1	870.1	1167.8	1218.9	1282.2	3154.0	8177.7	11305.1	12664.2
72.5°	501.9	530.7	632.1	906.1	986.6	865.8	1561.2	5943.4	9714.4	11454.7
75°	363.1	384.7	459.5	693.2	789.6	659.4	778.8	3473.3	6776.1	8057.6
77.5°	277.6	294.1	343.0	507.7	632.1	494.7	483.2	1597.9	3213.0	3228.8
80°	222.9	233.7	260.3	357.4	484.7	370.3	315.0	645.0	1015.4	859.3
82.5°	164.0	181.9	220.0	251.0	346.6	255.3	192.0	325.8	386.2	332.2
85°	93.5	105.7	133.0	179.8	221.5	156.0	110.0	144.5	179.8	147.4
87.5°	33.1	43.1	46.7	70.5	96.4	64.7	42.4	41.7	59.0	43.9
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°
1986.9	0°	1986.9	1986.9	1986.9	1986.9	1986.9	1986.9	1986.9	1986.9	1986.9	1986.9
2008.5	2.5°	2001.3	1997.7	1983.3	1963.9	1943.7	1924.3	1917.9	1904.2	1894.8	1889.8
2055.2	5°	2041.5	2030.0	1996.2	1953.1	1907.8	1858.9	1824.4	1792.7	1769.7	1748.1
2119.2	7.5°	2099.1	2078.9	2020.7	1945.2	1864.6	1783.4	1723.0	1677.0	1646.0	1625.9
2194.0	10°	2166.0	2135.0	2045.9	1933.0	1808.6	1692.1	1620.9	1581.3	1561.9	1551.1
2279.6	12.5°	2242.9	2199.0	2071.7	1904.9	1723.0	1589.9	1541.0	1529.5	1530.3	1531.0
2387.4	15°	2337.8	2276.7	2092.6	1843.8	1611.5	1511.6	1502.9	1521.6	1541.0	1550.4
2509.7	17.5°	2445.0	2358.7	2096.2	1743.1	1502.2	1461.2	1488.6	1528.8	1558.3	1571.2
2646.3	20°	2560.0	2442.1	2070.3	1600.7	1412.3	1420.2	1469.1	1520.9	1553.3	1569.8
2802.4	22.5°	2691.6	2531.3	2008.5	1451.2	1339.0	1375.7	1433.2	1483.5	1517.3	1533.9
2985.7	25°	2841.9	2631.2	1911.4	1325.3	1275.7	1325.3	1382.8	1424.6	1451.9	1467.0
3190.7	27.5°	3008.7	2735.5	1781.9	1225.4	1220.3	1273.5	1321.0	1353.4	1367.7	1379.2
3408.6	30°	3176.3	2830.4	1625.2	1149.9	1172.1	1222.5	1256.3	1270.7	1275.0	1277.1
3651.6	32.5°	3357.5	2912.4	1460.5	1087.3	1126.1	1172.9	1193.0	1199.5	1179.3	1165.7
3946.5	35°	3576.8	3000.1	1299.4	1037.7	1080.8	1121.1	1127.6	1121.8	1098.1	1070.0
4316.1	37.5°	3847.9	3109.4	1170.7	1002.4	1038.4	1065.0	1057.1	1055.6	1057.8	1024.7
4760.5	40°	4180.2	3251.8	1076.5	975.1	1003.9	1009.6	987.3	999.6	1010.3	960.0
5248.0	42.5°	4549.1	3423.7	1016.8	956.4	975.1	961.4	926.9	940.6	939.2	873.0
5737.8	45°	4925.2	3610.6	996.0	942.7	948.5	921.2	883.1	886.7	856.5	796.8
6207.3	47.5°	5299.1	3811.3	1008.9	931.2	915.4	884.5	855.0	839.2	794.6	750.0
6657.5	50°	5665.8	4022.0	1056.4	908.2	870.1	852.1	830.6	802.5	755.1	716.9
7083.2	52.5°	6006.0	4234.1	1109.6	870.1	813.3	824.1	810.4	778.1	731.3	692.5
7485.9	55°	6328.1	4446.2	1130.4	817.6	760.1	799.6	791.7	732.1	676.0	644.3
7907.3	57.5°	6679.1	4701.5	1107.4	750.7	716.9	771.6	741.4	675.2	642.9	619.2
8456.0	60°	7165.2	5102.1	1057.8	668.1	676.0	729.9	678.1	650.8	615.6	588.9
9278.6	62.5°	7972.7	5849.2	978.0	586.1	627.8	668.1	647.9	620.6	584.6	558.7
10685.2	65°	9166.5	6887.6	827.7	522.1	573.8	607.6	615.6	588.2	550.8	523.5
11917.8	67.5°	10173.2	7539.1	626.3	468.9	518.5	558.7	581.0	554.4	514.9	488.3
12206.1	70°	10117.8	7065.9	478.2	416.4	469.6	510.6	539.3	518.5	476.0	450.9
11087.2	72.5°	8986.7	5911.1	386.9	363.1	420.0	460.2	494.7	478.9	435.8	411.3
8122.3	75°	6602.1	4196.0	309.2	309.2	358.1	407.7	445.8	435.8	396.2	379.0
3410.0	77.5°	2782.9	1760.4	242.3	256.7	297.7	350.2	397.7	401.3	366.7	388.3
901.8	80°	740.0	485.4	184.8	202.1	233.7	289.1	345.9	344.5	307.1	286.9
335.1	82.5°	281.9	191.3	131.6	142.4	169.0	221.5	274.0	282.6	245.2	212.1
131.6	85°	108.6	82.0	81.3	85.6	98.5	146.7	207.1	214.3	184.8	156.8
36.7	87.5°	28.0	24.4	30.2	28.8	45.3	78.4	118.7	123.0	112.9	65.4
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>
1986.9
1895.6
1756.8
1630.2
1554.0
1532.4
1549.7
1574.1
1574.1
1538.2
1471.3
1383.6
1282.2
1170.0
1071.5
1026.9
961.4
872.3
798.9
750.0
714.1
693.2
641.4
617.0
587.5
558.7
524.9
489.0
453.0
411.3
373.9
352.4
266.8
212.1
161.8
93.5
0.0

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