

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: P940567

Luminaire Tested: **GALN-SB3C-940-U-T3**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940567
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-SB3C-940-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16294 lumens
Efficiency: N/A
Efficacy: 109.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

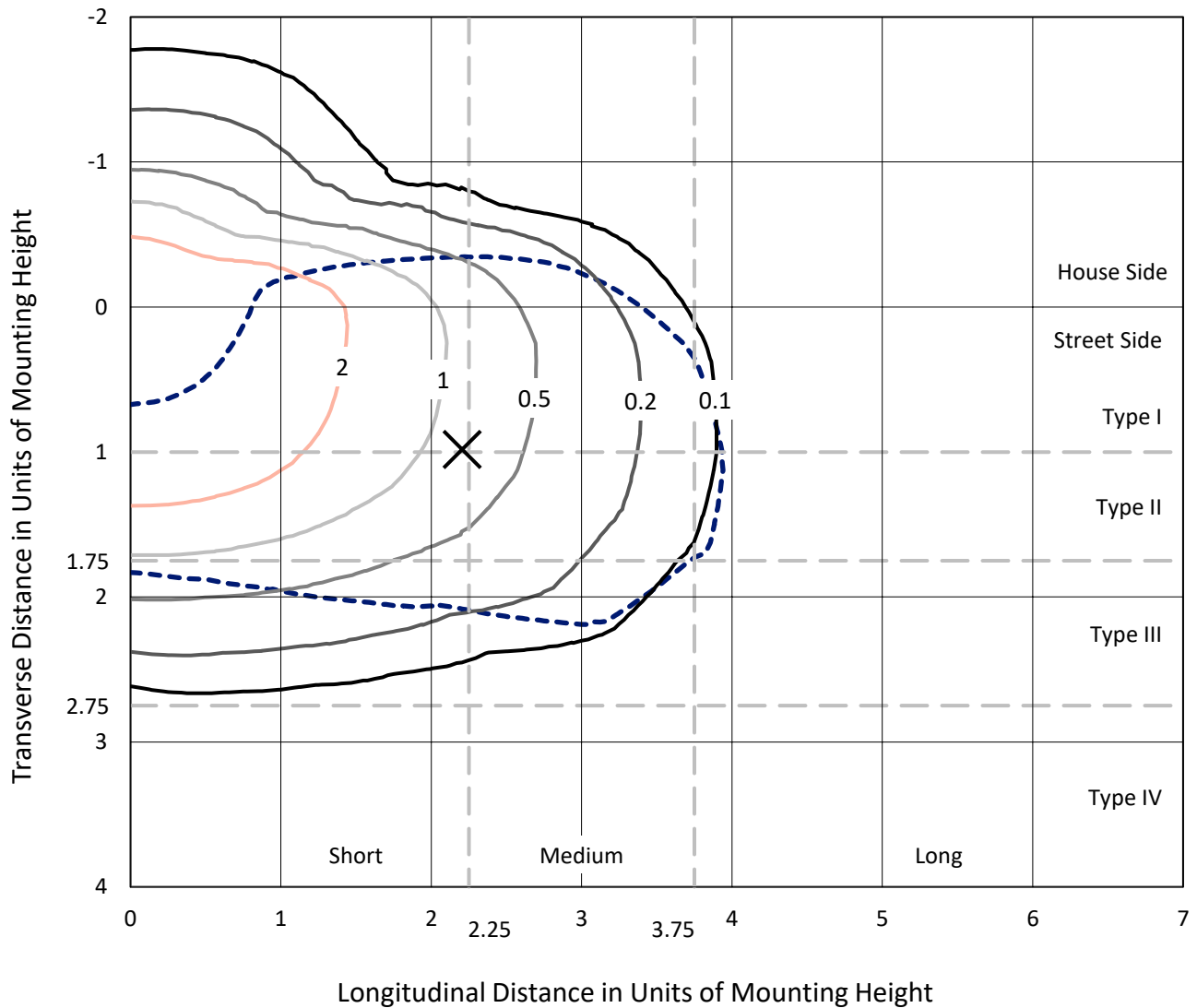
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P940567
 CATALOG NUMBER: GALN-SB3C-940-U-T3

Iso-Footcandle Lines of Horizontal Illumination

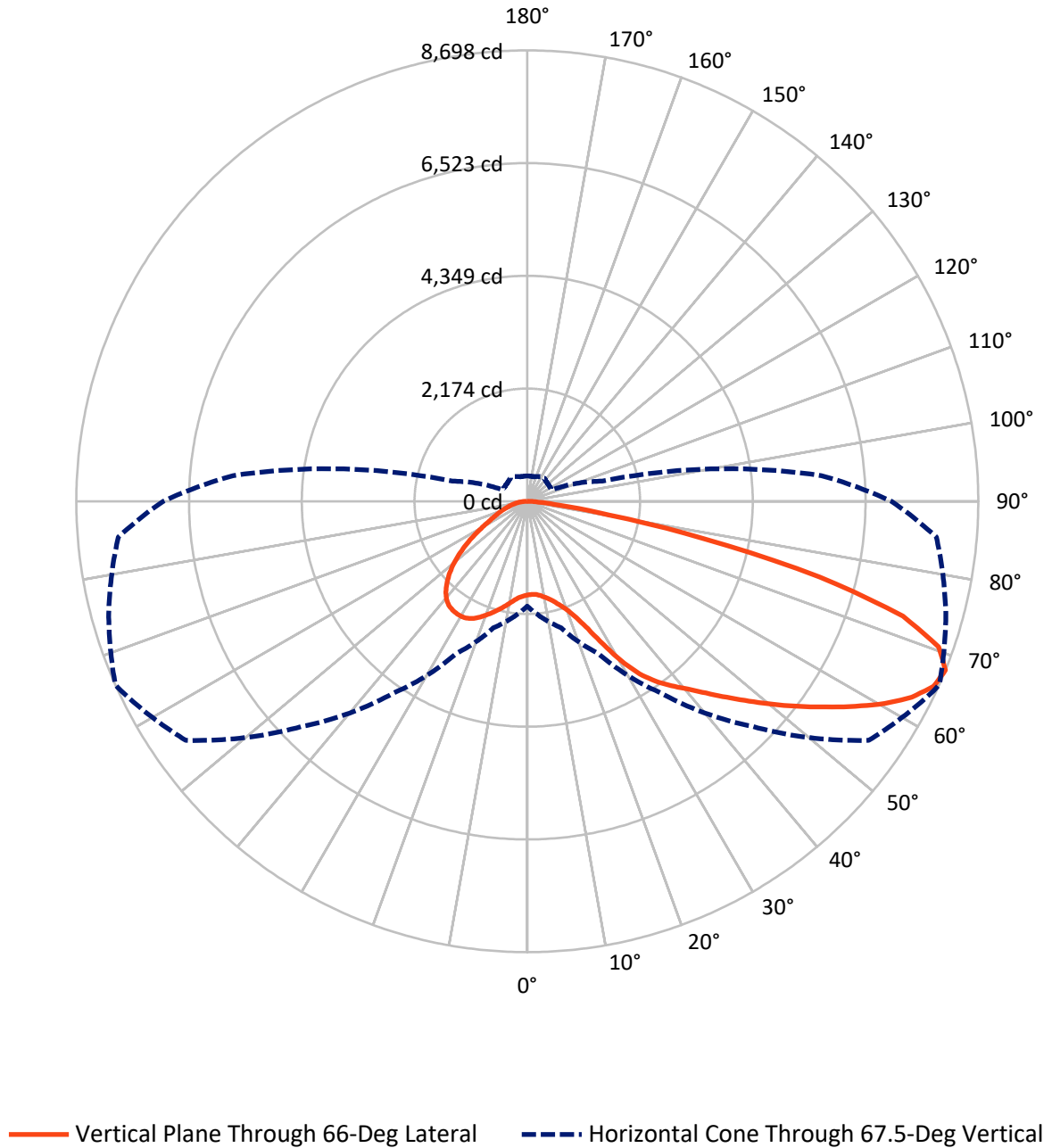
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.1 fc
 Type III - Short - N/A

REPORT NUMBER: P940567
CATALOG NUMBER: GALN-SB3C-940-U-T3

Luminous Intensity Polar Plot



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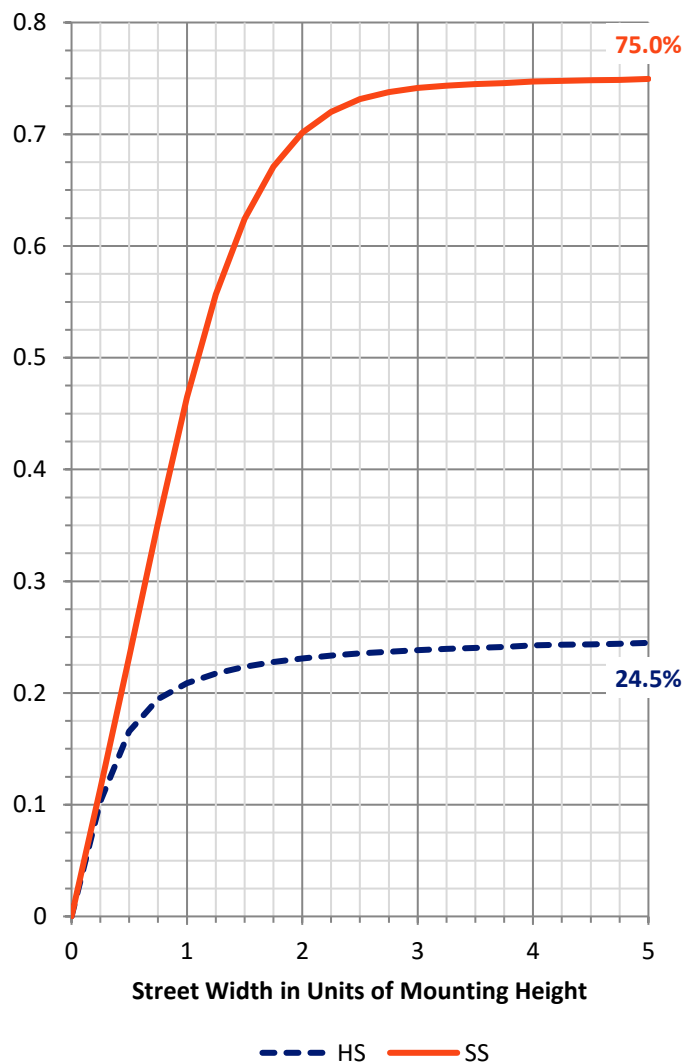
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4051.5	0.0	4051.5
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	12242.5	0.0	12242.5
	% Fixture	75.1	0.0	75.1
Total	Lumens	16294.0	0.0	16294.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	179.2	1.1
10°-20°	592.0	3.6
20°-30°	1141.0	7.0
30°-40°	2000.6	12.3
40°-50°	2974.3	18.3
50°-60°	3770.2	23.1
60°-70°	3689.0	22.6
70°-80°	1759.7	10.8
80°-90°	188.1	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°	16294.0	100.0
0°-180°	16294.0	100.0

Coefficient of Utilization



REPORT NUMBER: P940567

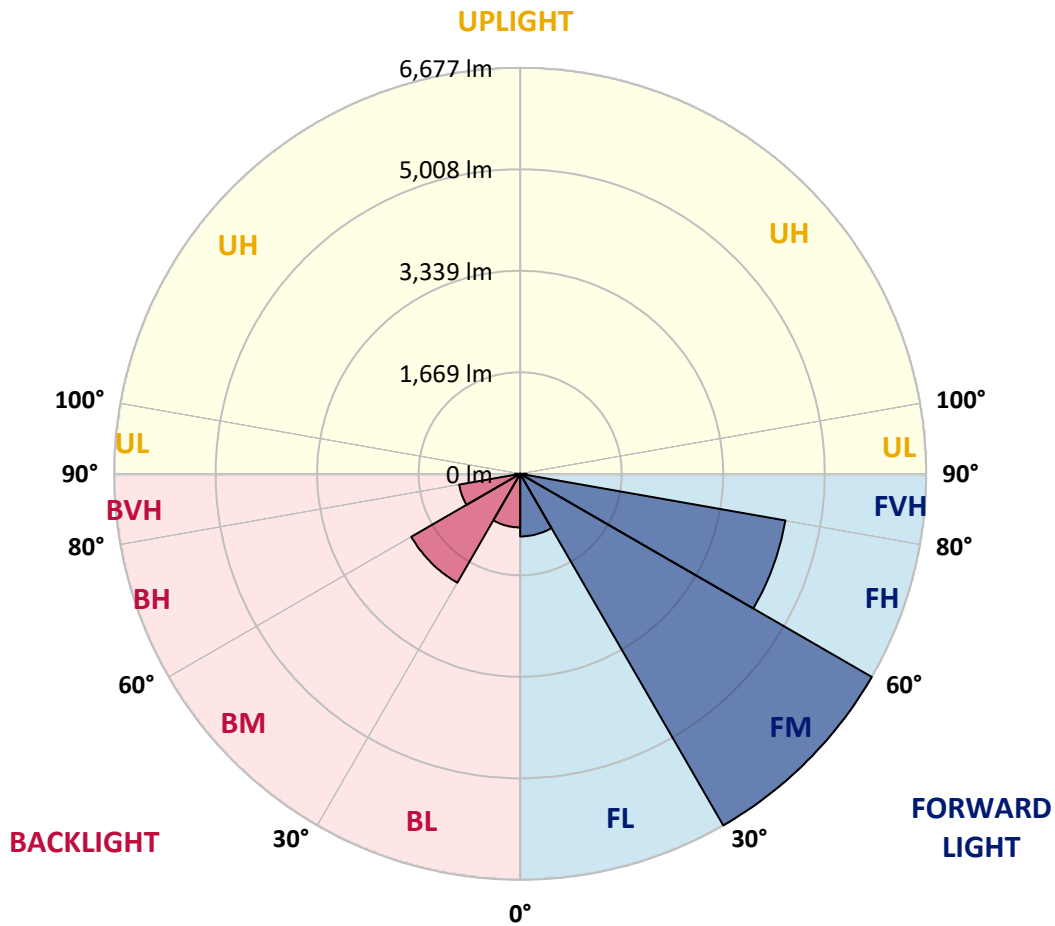
CATALOG NUMBER: GALN-SB3C-940-U-T3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1029.6	6.3			
FM (30°-60°)	6677.1	41.0			
FH (60°-80°)	4429.2	27.2			G2/5000
FVH (80°-90°)	106.6	0.7			G2/225
BL (0°-30°)	882.6	5.4	B2/1000		
BM (30°-60°)	2067.9	12.7	B2/2500		
BH (60°-80°)	1019.6	6.3	B3/2500		G3/2500
BVH (80°-90°)	81.4	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



REPORT NUMBER: P940567
 CATALOG NUMBER: GALN-SB3C-940-U-T3

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	1807.2	1807.2	1807.2	1807.2	1807.2	1807.2	1807.2	1807.2	1807.2	1807.2
2.5°	1788.4	1798.7	1796.1	1791.8	1791.0	1792.7	1795.2	1797.8	1796.9	1801.2
5°	1783.2	1793.5	1792.7	1792.7	1796.1	1802.9	1807.2	1811.5	1807.2	1812.4
7.5°	1786.7	1794.4	1797.8	1801.2	1809.8	1822.6	1832.9	1842.3	1837.2	1843.2
10°	1830.3	1836.3	1839.8	1839.8	1845.7	1860.3	1870.6	1887.7	1883.4	1892.8
12.5°	1910.0	1915.9	1915.9	1912.5	1916.8	1926.2	1929.6	1948.5	1940.8	1956.2
15°	2007.5	2019.5	2010.1	2004.1	2005.8	2015.3	2014.4	2028.9	2021.2	2034.1
17.5°	2115.4	2130.8	2115.4	2114.6	2111.1	2121.4	2122.3	2135.1	2121.4	2130.8
20°	2243.0	2264.4	2251.5	2255.8	2248.1	2252.4	2256.7	2275.5	2254.1	2261.0
22.5°	2422.8	2448.4	2434.7	2451.0	2445.9	2442.4	2441.6	2475.0	2441.6	2444.2
25°	2684.7	2715.5	2691.6	2713.8	2713.8	2725.0	2737.8	2780.6	2725.0	2708.7
27.5°	3071.7	3102.5	3055.4	3069.1	3064.8	3092.2	3078.5	3184.7	3124.8	3098.2
30°	3537.4	3592.2	3503.1	3499.7	3495.4	3539.1	3558.8	3629.0	3568.2	3541.7
32.5°	4040.8	4098.1	3992.0	3961.2	3944.9	3971.4	3955.2	4011.7	3969.7	3928.6
35°	4573.3	4629.8	4528.8	4468.8	4403.8	4348.1	4289.9	4304.5	4265.1	4202.6
37.5°	5076.7	5180.2	5073.2	5009.0	4889.2	4780.4	4617.8	4550.2	4513.3	4456.0
40°	5589.5	5648.5	5567.2	5512.4	5382.3	5211.9	4951.7	4808.7	4759.0	4703.4
42.5°	5967.0	6023.5	5979.8	5942.2	5840.3	5642.5	5306.1	5127.2	5055.3	4992.8
45°	6266.6	6308.6	6281.2	6294.9	6251.2	6059.5	5673.4	5468.7	5394.3	5318.1
47.5°	6387.3	6431.9	6475.5	6556.8	6631.3	6490.1	6068.0	5838.6	5759.8	5681.9
50°	6373.6	6419.0	6545.7	6718.6	6949.8	6902.7	6484.1	6232.4	6159.6	6070.6
52.5°	6264.1	6315.4	6478.1	6765.7	7133.9	7211.8	6907.8	6639.0	6570.5	6464.4
55°	5976.4	6007.2	6251.2	6658.7	7177.5	7427.5	7323.1	7072.2	7003.7	6855.6
57.5°	5443.1	5487.6	5842.9	6370.2	7067.9	7573.9	7687.7	7527.7	7461.7	7248.6
60°	4747.1	4818.1	5224.8	5885.7	6788.8	7573.0	8019.1	7975.4	7920.6	7635.5
62.5°	3959.4	4041.6	4432.9	5200.8	6300.9	7358.2	8226.2	8350.4	8322.1	7992.5
65°	3040.9	3097.4	3486.9	4314.7	5541.5	6896.7	8250.2	8606.3	8611.5	8263.9
67.5°	2024.7	2187.3	2525.5	3237.8	4524.5	6142.5	8039.6	8648.3	8697.9	8357.2
70°	987.9	1202.0	1533.3	2104.3	3237.8	4985.9	7489.1	8304.1	8414.6	8085.0
72.5°	410.1	479.4	660.1	1038.4	1858.6	3364.5	6383.1	7371.0	7575.6	7163.8
75°	276.5	299.6	377.5	532.5	846.7	1659.1	4603.2	5496.1	5825.7	5410.5
77.5°	213.2	227.7	274.8	372.4	503.4	627.5	2463.8	3312.2	3482.6	3224.1
80°	167.8	178.9	205.5	271.4	357.0	335.6	839.8	1500.7	1599.2	1341.5
82.5°	145.5	149.8	147.2	184.1	237.1	196.0	275.7	553.9	611.3	443.5
85°	105.3	117.3	122.4	113.9	125.8	99.3	113.0	196.0	215.7	192.6
87.5°	42.8	63.4	77.9	73.6	46.2	28.3	35.1	57.4	65.9	71.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P940567
 CATALOG NUMBER: GALN-SB3C-940-U-T3

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
1807.2	0°	1807.2	1807.2	1807.2	1807.2	1807.2	1807.2	1807.2	1807.2	1807.2	1807.2
1808.1	2.5°	1808.9	1814.9	1819.2	1824.3	1827.8	1832.9	1843.2	1849.2	1850.0	1854.3
1821.8	5°	1825.2	1833.8	1843.2	1856.9	1872.3	1885.1	1904.8	1918.5	1923.6	1927.9
1855.2	7.5°	1860.3	1872.3	1889.4	1913.4	1935.6	1952.8	1976.7	1993.0	2009.3	2015.3
1908.2	10°	1912.5	1929.6	1954.5	1987.0	2011.0	2033.2	2058.1	2071.8	2088.0	2094.9
1971.6	12.5°	1977.6	1995.6	2028.1	2073.5	2095.7	2111.1	2119.7	2116.3	2119.7	2125.7
2047.8	15°	2052.1	2071.8	2108.6	2157.4	2172.8	2159.1	2140.2	2123.1	2120.6	2122.3
2140.2	17.5°	2140.2	2154.8	2197.6	2238.7	2227.6	2171.1	2130.0	2102.6	2088.9	2084.6
2258.4	20°	2263.5	2263.5	2298.6	2324.3	2249.8	2153.9	2089.7	2045.2	2017.0	2005.0
2419.3	22.5°	2413.3	2399.6	2421.9	2403.9	2245.5	2106.0	2017.0	1939.9	1897.1	1880.0
2644.5	25°	2603.4	2587.1	2581.1	2469.8	2214.7	2029.8	1885.1	1791.8	1754.1	1744.7
2968.9	27.5°	2890.2	2849.1	2771.2	2505.8	2158.2	1910.0	1731.0	1644.6	1623.2	1624.0
3385.9	30°	3272.0	3189.8	2998.9	2511.8	2065.8	1740.4	1573.5	1511.9	1501.6	1505.9
3736.0	32.5°	3625.6	3547.7	3231.8	2484.4	1923.6	1574.4	1432.2	1391.2	1375.7	1380.9
4003.1	35°	3902.9	3881.5	3447.5	2445.9	1749.0	1418.6	1305.5	1270.4	1240.5	1233.6
4254.8	37.5°	4164.9	4156.3	3609.3	2391.9	1576.1	1308.1	1203.7	1157.4	1113.8	1089.8
4533.0	40°	4452.6	4444.0	3715.5	2308.9	1422.8	1212.2	1112.1	1051.3	997.4	953.7
4848.1	42.5°	4776.2	4725.7	3766.0	2189.9	1292.7	1130.9	1037.6	955.4	884.3	844.1
5204.2	45°	5129.7	5015.9	3765.1	2038.4	1183.1	1056.4	958.0	841.5	775.6	738.0
5569.8	47.5°	5504.7	5293.2	3718.9	1870.6	1077.0	974.2	834.7	745.7	702.0	678.9
5967.0	50°	5891.7	5552.6	3640.1	1677.9	968.2	880.9	757.6	696.9	663.5	642.1
6360.8	52.5°	6255.5	5788.1	3545.1	1459.6	857.8	790.2	723.4	676.3	641.2	617.2
6742.6	55°	6593.7	5991.0	3410.7	1236.2	767.9	729.4	707.1	667.8	627.5	599.3
7130.4	57.5°	6894.1	6122.8	3178.7	1026.5	703.7	687.4	690.0	653.2	607.0	583.0
7512.2	60°	7144.1	6219.5	2835.4	832.1	651.5	646.4	663.5	625.8	571.9	544.5
7835.0	62.5°	7293.9	6217.8	2414.2	681.5	607.0	608.7	628.4	591.6	536.8	511.1
8003.6	65°	7281.1	6065.4	1951.9	583.0	564.2	565.9	591.6	553.9	507.7	492.3
7918.9	67.5°	7023.4	5693.9	1497.3	518.8	517.1	524.8	554.8	528.2	489.7	488.0
7413.8	70°	6325.7	4922.6	1078.7	467.4	468.3	479.4	518.8	511.9	480.3	483.7
6233.2	72.5°	5072.4	3753.1	724.3	413.5	414.4	432.3	484.6	499.1	470.9	516.2
4422.6	75°	3378.2	2340.6	465.7	356.1	357.0	380.1	454.6	474.3	445.2	514.5
2301.2	77.5°	1623.2	1052.1	337.3	299.6	299.6	321.0	392.9	424.6	379.3	399.8
739.7	80°	560.7	395.5	265.4	241.4	236.3	250.8	331.3	368.1	327.0	301.3
241.4	82.5°	220.9	205.5	213.2	187.5	170.4	179.8	257.7	303.9	240.6	217.4
136.1	85°	126.7	133.6	150.7	124.1	98.5	110.4	189.2	218.3	181.5	160.1
44.5	87.5°	34.2	47.1	69.3	64.2	44.5	47.1	89.9	120.7	104.4	80.5
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

180°
1807.2
1853.4
1927.1
2016.1
2098.3
2127.4
2128.3
2090.6
2002.4
1877.4
1746.4
1626.6
1520.4
1387.7
1238.8
1090.7
958.0
846.7
736.2
673.7
634.4
607.0
588.1
567.6
532.5
503.4
491.4
490.5
482.8
523.1
518.8
366.4
282.5
216.6
163.5
83.0
0.0

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