

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: P942239

Luminaire Tested: **GALN-SB6A-927-U-T4FT**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942239
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)
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-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16365 lumens
Efficiency: N/A
Efficacy: 95.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

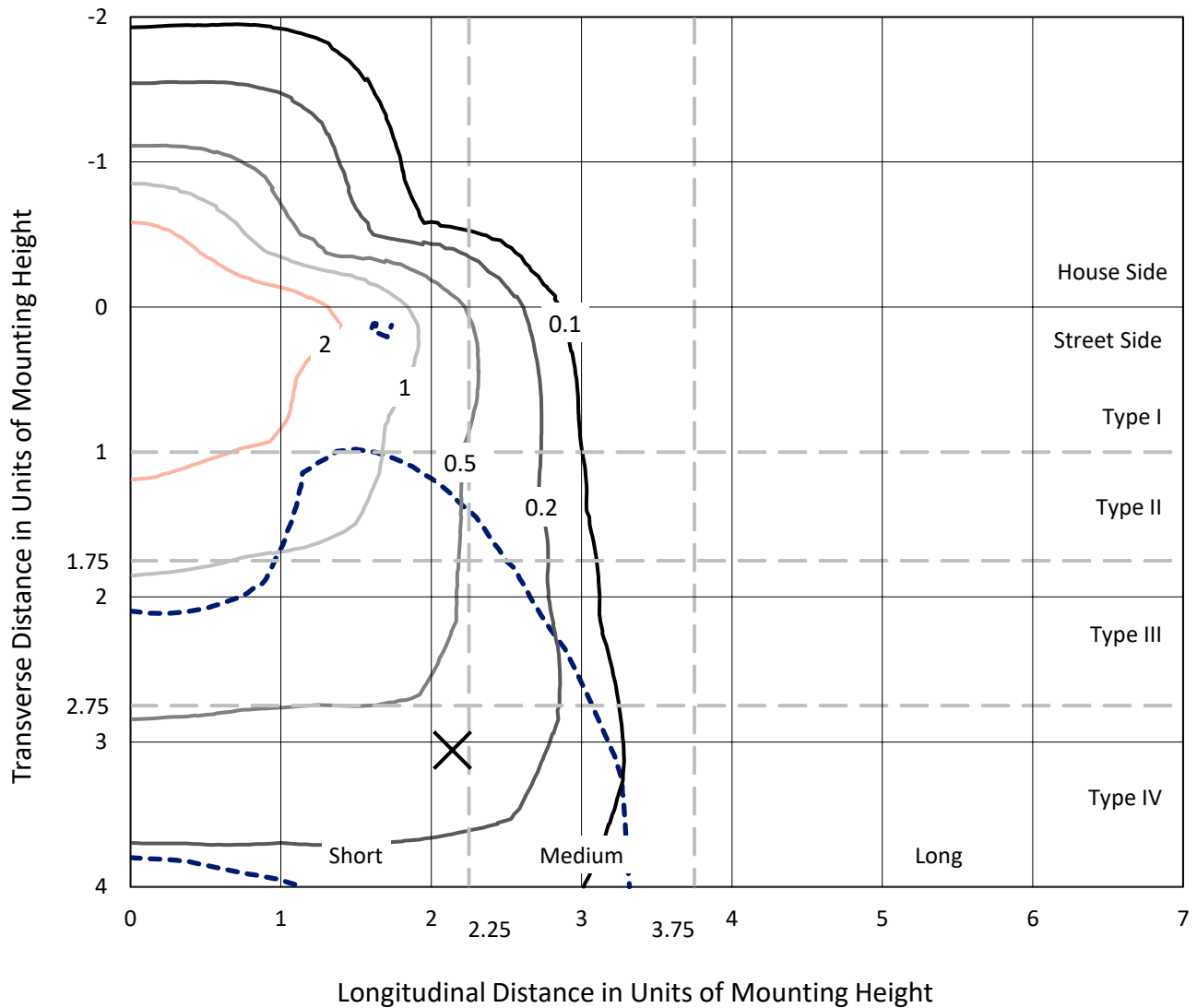
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

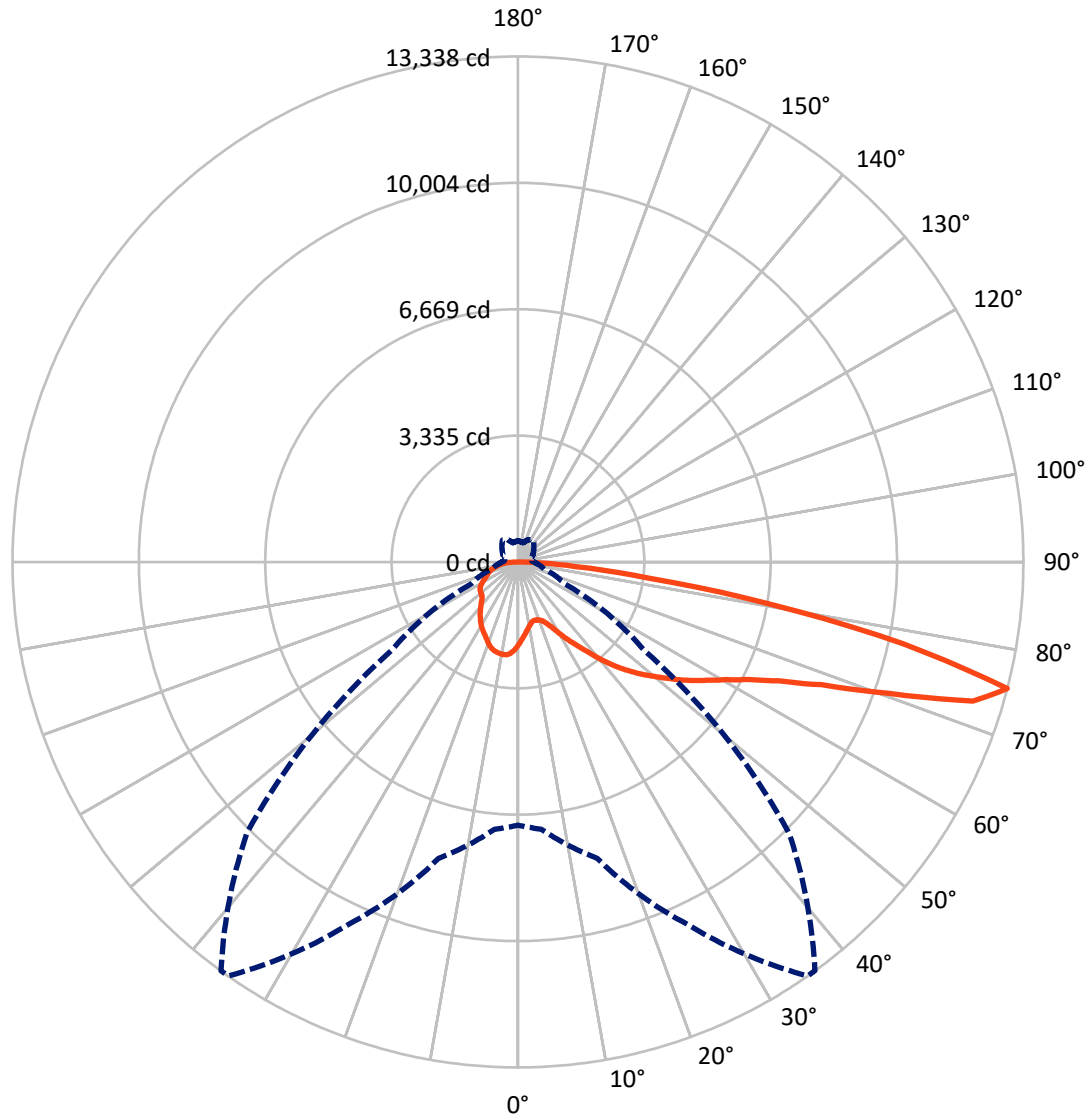
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.9 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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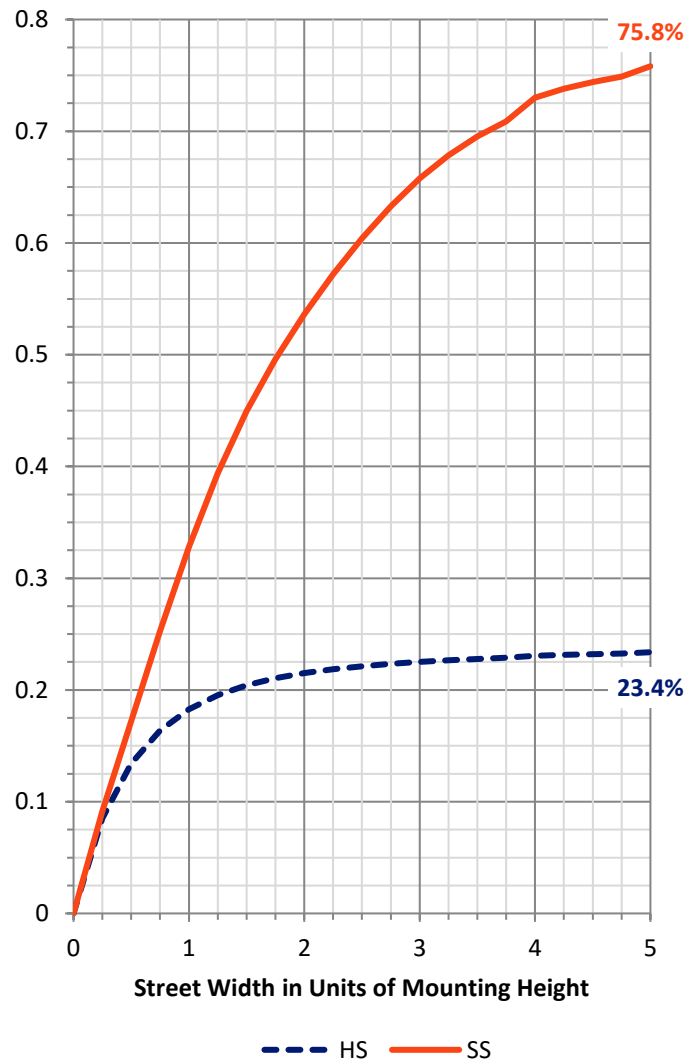
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3894.5	0.0	3894.5
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	12470.5	0.0	12470.5
	% Fixture	76.2	0.0	76.2
Total	Lumens	16365.0	0.0	16365.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	206.5	1.3
10°-20°	595.6	3.6
20°-30°	1000.1	6.1
30°-40°	1554.3	9.5
40°-50°	2307.0	14.1
50°-60°	3184.9	19.5
60°-70°	3864.0	23.6
70°-80°	3193.3	19.5
80°-90°	459.3	2.8
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°	16365.0	100.0
0°-180°	16365.0	100.0



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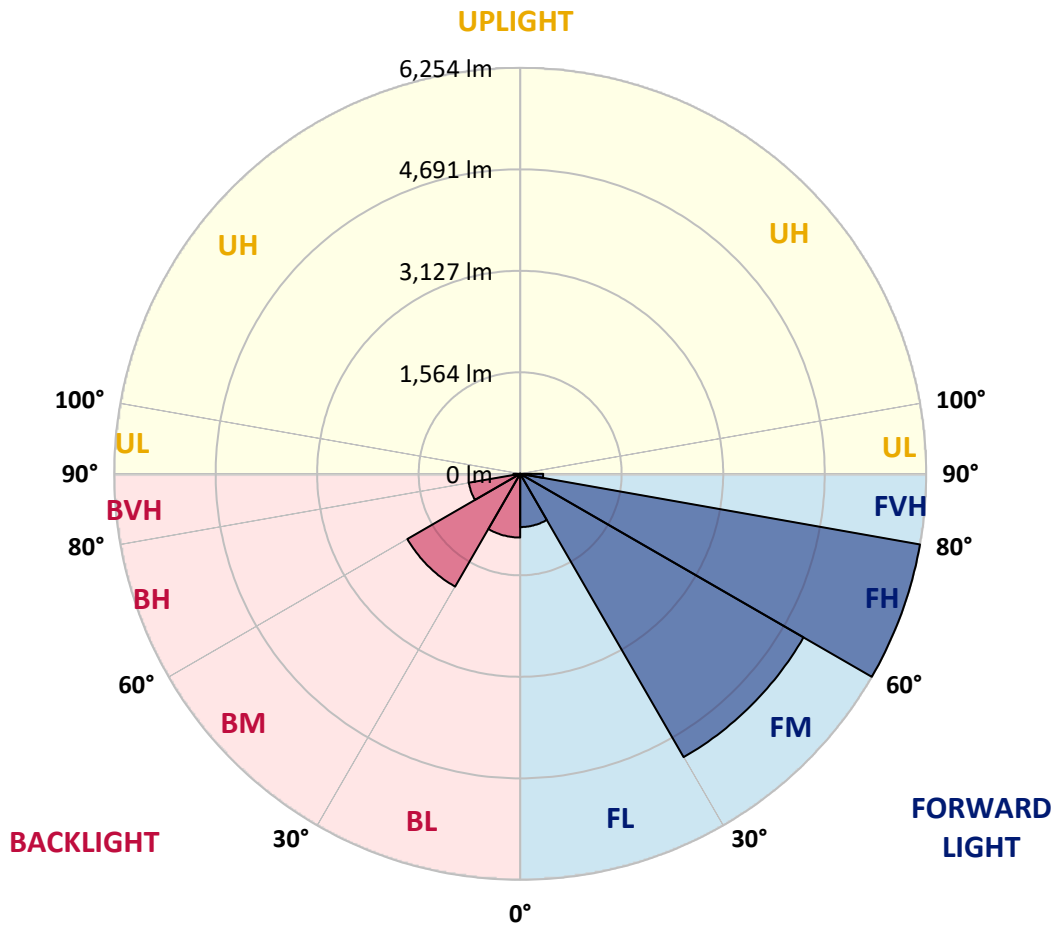
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	820.7	5.0			
FM (30°-60°)	5039.5	30.8			
FH (60°-80°)	6254.5	38.2			G3/7500
FVH (80°-90°)	355.9	2.2			G3/500
BL (0°-30°)	981.5	6.0	B2/1000		
BM (30°-60°)	2006.7	12.3	B2/2500		
BH (60°-80°)	802.9	4.9	B2/1000		G2/1000
BVH (80°-90°)	103.4	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	2180.7	2180.7	2180.7	2180.7	2180.7	2180.7	2180.7	2180.7	2180.7	2180.7
2.5°	2010.9	2023.3	2028.6	2025.9	2039.2	2037.4	2056.0	2079.0	2110.9	2141.8
5°	1856.1	1869.3	1880.8	1891.5	1917.1	1925.1	1954.3	1998.5	2056.9	2116.2
7.5°	1711.9	1723.4	1741.1	1760.5	1803.9	1811.8	1860.5	1929.5	2010.9	2097.6
10°	1594.2	1605.7	1624.3	1646.4	1700.4	1710.1	1772.0	1864.0	1970.2	2079.9
12.5°	1543.8	1547.3	1557.9	1580.0	1626.9	1633.1	1701.2	1806.5	1930.4	2066.6
15°	1541.1	1548.2	1549.1	1560.6	1599.5	1602.2	1665.0	1769.4	1905.6	2064.0
17.5°	1567.7	1573.0	1565.0	1572.1	1604.8	1609.2	1658.8	1751.7	1897.6	2075.5
20°	1638.4	1642.9	1619.0	1609.2	1633.1	1636.7	1685.3	1763.2	1905.6	2099.4
22.5°	1788.8	1791.5	1733.1	1693.3	1695.1	1696.8	1739.3	1810.1	1936.6	2142.7
25°	2023.3	2021.5	1928.6	1851.6	1807.4	1797.7	1826.0	1886.1	1988.8	2200.2
27.5°	2297.5	2284.3	2191.4	2076.4	1979.9	1965.8	1959.6	1985.2	2063.1	2276.3
30°	2607.2	2594.8	2494.8	2344.4	2210.8	2187.8	2129.4	2116.2	2173.7	2379.8
32.5°	2946.9	2938.9	2819.5	2637.2	2458.5	2432.0	2333.8	2298.4	2343.5	2536.4
35°	3231.8	3224.7	3125.6	2938.0	2719.5	2686.8	2586.8	2547.0	2570.0	2737.2
37.5°	3489.2	3485.7	3400.7	3253.0	3027.4	2987.6	2875.2	2862.0	2857.5	3001.7
40°	3728.1	3719.2	3630.7	3552.9	3385.7	3349.4	3250.3	3238.8	3205.2	3327.3
42.5°	3992.6	3969.6	3841.3	3805.0	3759.9	3729.8	3670.6	3672.3	3598.0	3694.4
45°	4208.4	4195.2	4063.4	4042.1	4090.8	4078.4	4129.7	4143.0	3998.8	4079.3
47.5°	4440.2	4427.8	4316.4	4301.3	4433.2	4436.7	4618.1	4622.5	4389.8	4479.2
50°	4726.0	4708.3	4597.7	4616.3	4764.0	4777.3	5109.1	5079.0	4749.9	4885.2
52.5°	4914.4	4925.0	4901.2	4931.2	5132.9	5145.3	5592.1	5515.1	5106.4	5286.0
55°	5053.3	5074.5	5148.9	5217.9	5522.2	5534.6	6047.7	5930.0	5401.9	5657.6
57.5°	5232.0	5201.9	5340.8	5475.3	5892.0	5924.7	6490.9	6329.9	5663.7	5977.8
60°	5488.6	5467.3	5575.3	5774.3	6306.0	6358.2	6959.8	6690.0	5855.7	6231.7
62.5°	6008.8	5955.7	5972.5	6148.6	6828.0	6897.0	7488.9	7004.0	5951.3	6330.8
65°	6786.4	6695.3	6610.4	6732.4	7563.2	7631.3	8086.0	7250.9	5915.9	6138.8
67.5°	7765.8	7675.5	7571.1	7686.1	8646.0	8700.0	8823.0	7389.8	5637.2	5399.2
70°	8573.5	8539.9	8664.6	9137.9	10375.6	10377.3	9767.8	7274.8	4873.7	3828.0
72.5°	8466.4	8446.1	9103.4	10566.7	12555.4	12508.6	10662.2	6404.2	3283.1	1726.9
75°	6945.7	7077.5	8095.7	10541.0	13338.4	13332.2	10114.6	4071.3	1358.0	715.7
77.5°	3724.5	3933.3	5255.9	7782.6	10412.7	10569.3	7111.1	1424.3	583.0	458.3
80°	1214.7	1396.9	2094.9	3962.5	6766.1	6736.9	3047.7	559.1	399.0	324.7
82.5°	515.8	537.0	936.0	1871.1	3472.4	3418.4	970.5	321.1	280.4	222.1
85°	201.7	225.6	413.1	865.2	1504.0	1471.2	350.3	159.2	179.6	145.1
87.5°	66.4	80.5	147.7	296.4	468.0	451.2	85.8	54.9	77.9	66.4
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°
2180.7	0°	2180.7	2180.7	2180.7	2180.7	2180.7	2180.7	2180.7	2180.7	2180.7	2180.7
2186.9	2.5°	2199.3	2213.5	2230.3	2255.1	2276.3	2294.0	2312.6	2324.1	2328.5	2341.8
2190.5	5°	2215.2	2246.2	2287.8	2328.5	2368.3	2392.2	2413.4	2424.0	2433.8	2440.8
2200.2	7.5°	2241.8	2281.6	2347.1	2400.1	2433.8	2453.2	2467.4	2463.8	2467.4	2469.2
2210.8	10°	2264.8	2320.5	2398.4	2448.8	2474.5	2475.3	2471.8	2459.4	2453.2	2454.1
2226.8	12.5°	2292.2	2354.1	2438.2	2480.7	2487.7	2468.3	2453.2	2432.0	2424.0	2420.5
2250.6	15°	2329.4	2400.1	2481.5	2497.5	2479.8	2455.0	2429.3	2394.8	2377.1	2363.0
2291.3	17.5°	2374.5	2452.3	2515.2	2503.7	2465.6	2424.9	2383.3	2331.1	2294.9	2279.8
2347.1	20°	2437.3	2507.2	2540.8	2490.4	2432.9	2371.0	2300.2	2236.5	2202.9	2187.8
2417.8	22.5°	2513.4	2580.6	2565.6	2467.4	2386.0	2286.9	2198.4	2151.6	2134.7	2124.1
2509.0	25°	2604.5	2662.0	2583.3	2433.8	2309.0	2175.4	2107.3	2092.3	2084.3	2076.4
2620.4	27.5°	2723.1	2754.0	2596.5	2384.2	2188.7	2056.9	2032.1	2034.8	2032.1	2018.8
2775.3	30°	2879.6	2873.5	2608.9	2303.7	2050.7	1949.8	1951.6	1963.1	1964.9	1956.0
2991.1	32.5°	3085.8	3023.0	2615.1	2199.3	1918.9	1856.1	1857.8	1870.2	1879.1	1864.0
3273.3	35°	3335.3	3197.2	2605.4	2068.4	1817.1	1766.7	1753.4	1757.0	1759.6	1745.5
3615.7	37.5°	3626.3	3392.8	2562.0	1923.3	1733.1	1679.1	1650.8	1626.9	1612.8	1599.5
4003.2	40°	3945.7	3606.0	2482.4	1781.8	1639.3	1586.2	1543.8	1498.7	1450.9	1433.2
4413.7	42.5°	4280.1	3825.4	2386.0	1646.4	1531.4	1488.0	1442.9	1377.5	1305.8	1269.5
4840.1	45°	4626.9	4050.1	2291.3	1512.8	1420.8	1402.2	1350.0	1271.3	1193.4	1147.4
5267.4	47.5°	4966.6	4262.4	2152.4	1378.3	1317.3	1337.6	1296.9	1224.4	1137.7	1065.2
5691.2	50°	5291.3	4461.5	1925.1	1242.1	1233.3	1318.2	1279.3	1174.9	1075.8	982.9
6107.0	52.5°	5613.3	4622.5	1634.0	1118.2	1188.1	1312.9	1256.3	1141.2	1020.0	922.7
6498.0	55°	5886.7	4705.6	1353.6	1012.1	1122.7	1267.8	1228.8	1101.4	941.3	837.8
6766.1	57.5°	6042.4	4638.4	1120.0	907.7	1032.4	1193.4	1181.9	1016.5	847.5	767.9
6818.3	60°	5975.2	4365.9	928.9	816.6	946.6	1112.9	1100.5	932.5	775.9	700.7
6538.7	62.5°	5604.5	3846.6	777.6	736.9	868.8	1030.7	1019.2	867.9	721.0	648.5
5796.5	65°	4857.8	3129.1	660.0	670.6	790.0	931.6	948.4	813.9	677.7	606.9
4484.5	67.5°	3705.1	2266.6	568.0	613.1	713.1	834.3	882.9	775.0	641.4	574.2
2594.8	70°	2111.7	1287.2	490.1	557.4	644.9	744.0	832.5	744.0	602.5	546.7
972.3	72.5°	800.6	591.0	423.8	501.6	579.5	667.9	776.8	695.4	557.4	515.8
502.5	75°	427.3	360.1	356.5	436.1	504.3	593.6	706.9	647.6	523.7	545.0
347.7	77.5°	291.1	254.8	298.1	373.3	422.0	511.3	632.5	575.0	453.8	452.1
240.6	80°	201.7	180.5	242.4	300.8	326.4	430.0	552.0	493.7	369.8	345.0
148.6	82.5°	121.2	117.7	181.4	224.7	230.9	331.8	457.4	414.0	302.6	263.6
88.5	85°	66.4	69.9	115.9	131.8	134.5	231.8	358.3	320.3	232.7	195.5
31.8	87.5°	18.6	23.9	42.5	52.2	64.6	120.3	213.2	190.2	116.8	81.4
0.0	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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180°
2180.7
2340.9
2442.6
2471.8
2455.9
2418.7
2367.4
2280.7
2186.1
2125.9
2076.4
2021.5
1960.5
1871.1
1755.2
1608.4
1441.2
1273.9
1143.9
1057.2
974.9
912.1
828.9
757.3
690.1
637.0
595.4
563.5
539.7
508.7
562.7
416.7
330.0
265.4
197.3
81.4
0.0

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