

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: P948752

Luminaire Tested: **GALN-SB3C-950-U-T2U**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948752
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-16)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB3C-950-U-T2U
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15841 lumens
Efficiency: N/A
Efficacy: 106.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

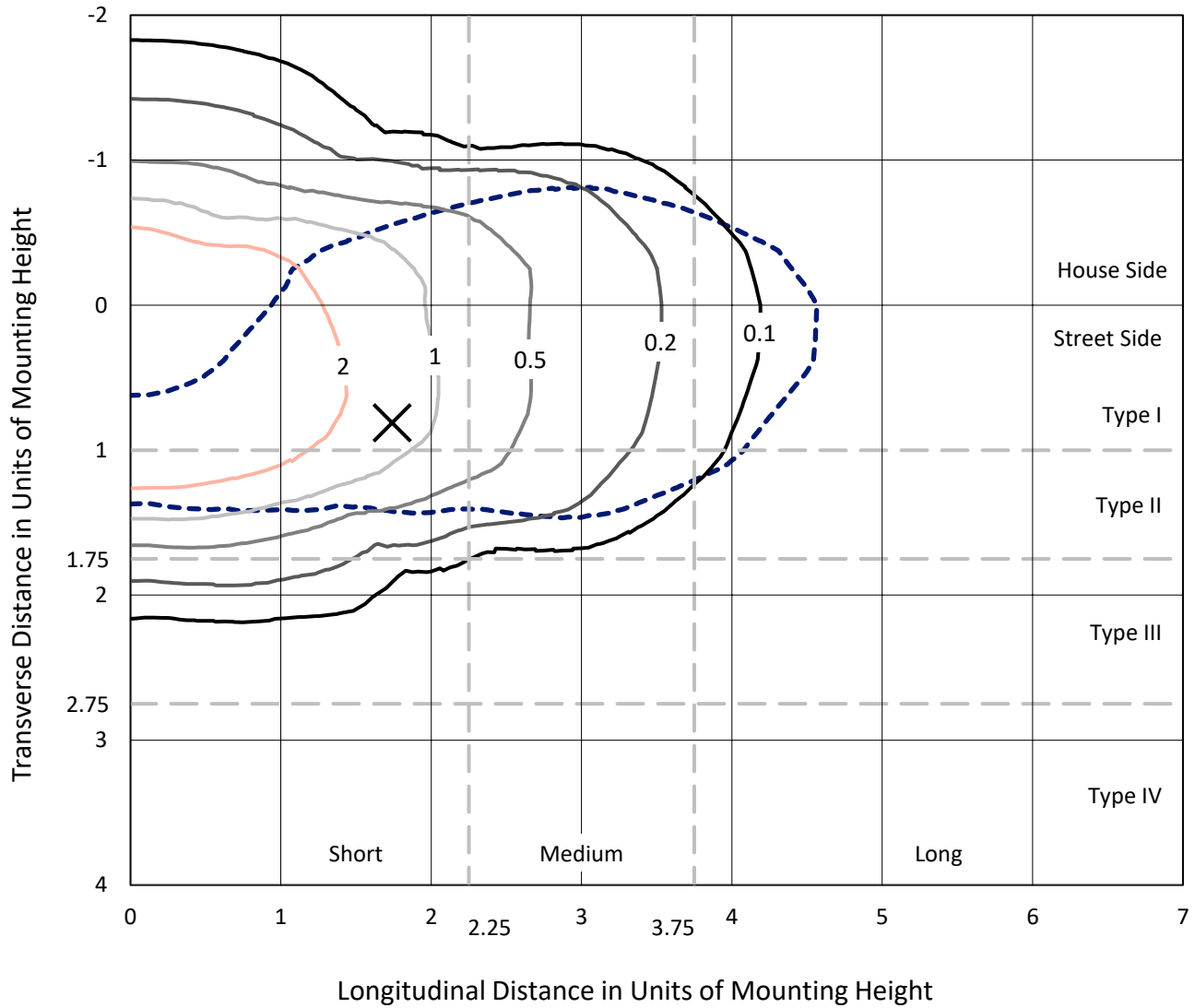
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

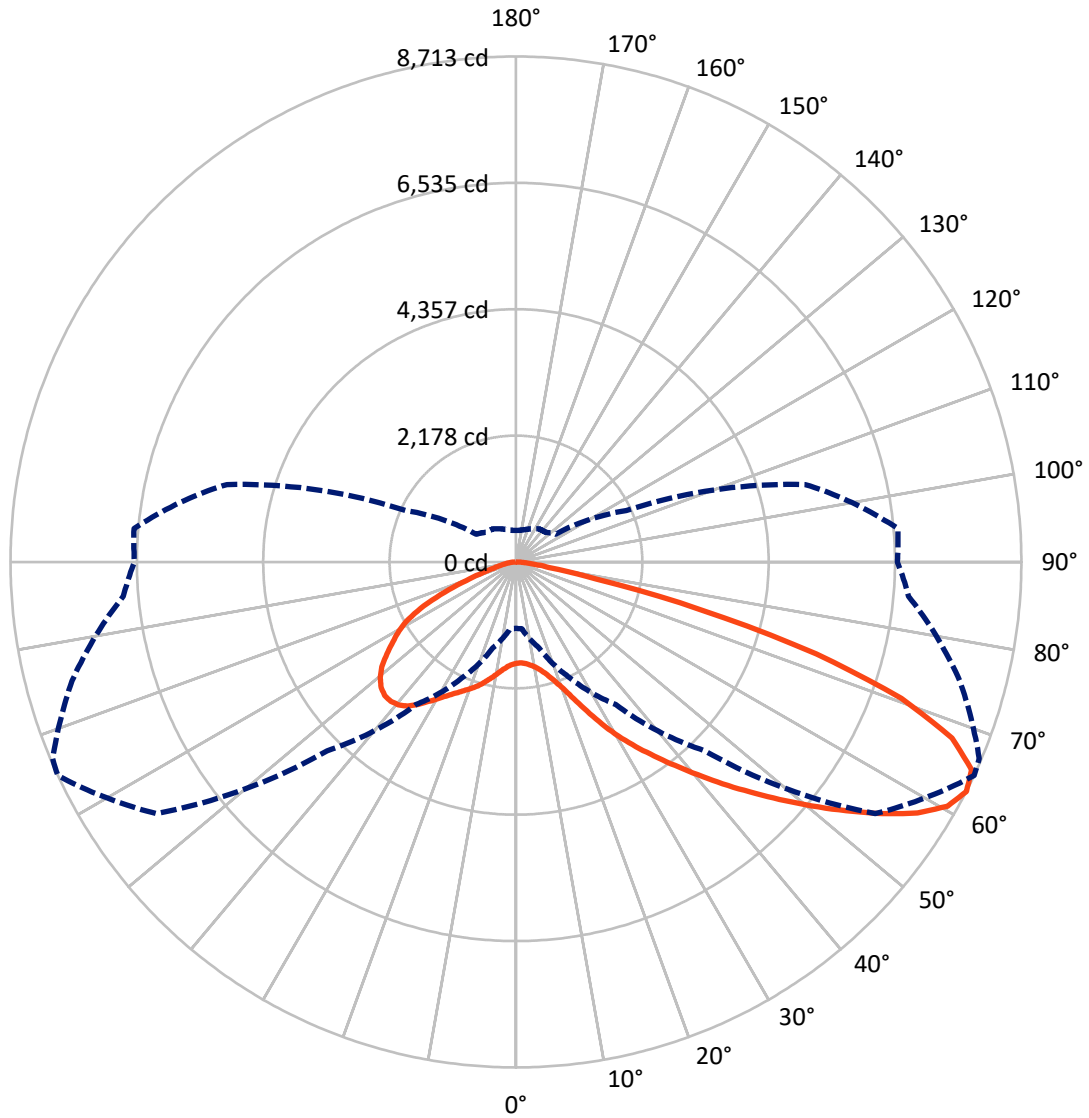
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.4 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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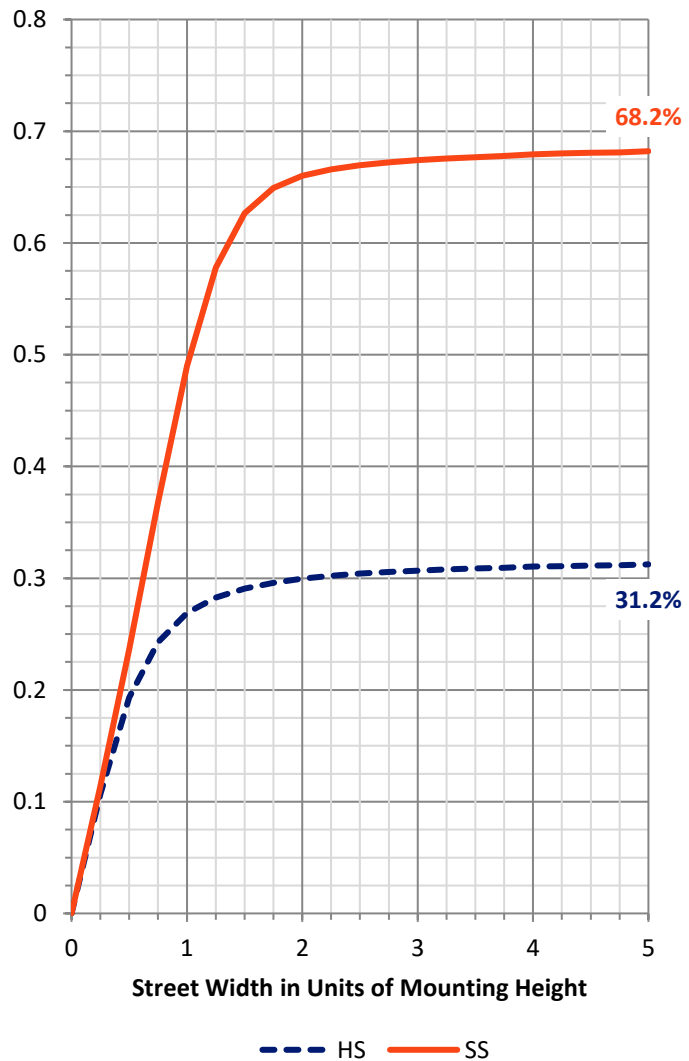
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4998.7	0.0	4998.7
	% Fixture	31.6	0.0	31.6
Street Side	Lumens	10842.3	0.0	10842.3
	% Fixture	68.4	0.0	68.4
Total	Lumens	15841.0	0.0	15841.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	174.0	1.1
10°-20°	590.2	3.7
20°-30°	1196.6	7.6
30°-40°	2070.7	13.1
40°-50°	3133.7	19.8
50°-60°	3674.0	23.2
60°-70°	3080.2	19.4
70°-80°	1700.5	10.7
80°-90°	220.9	1.4
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°	15841.0	100.0
0°-180°	15841.0	100.0



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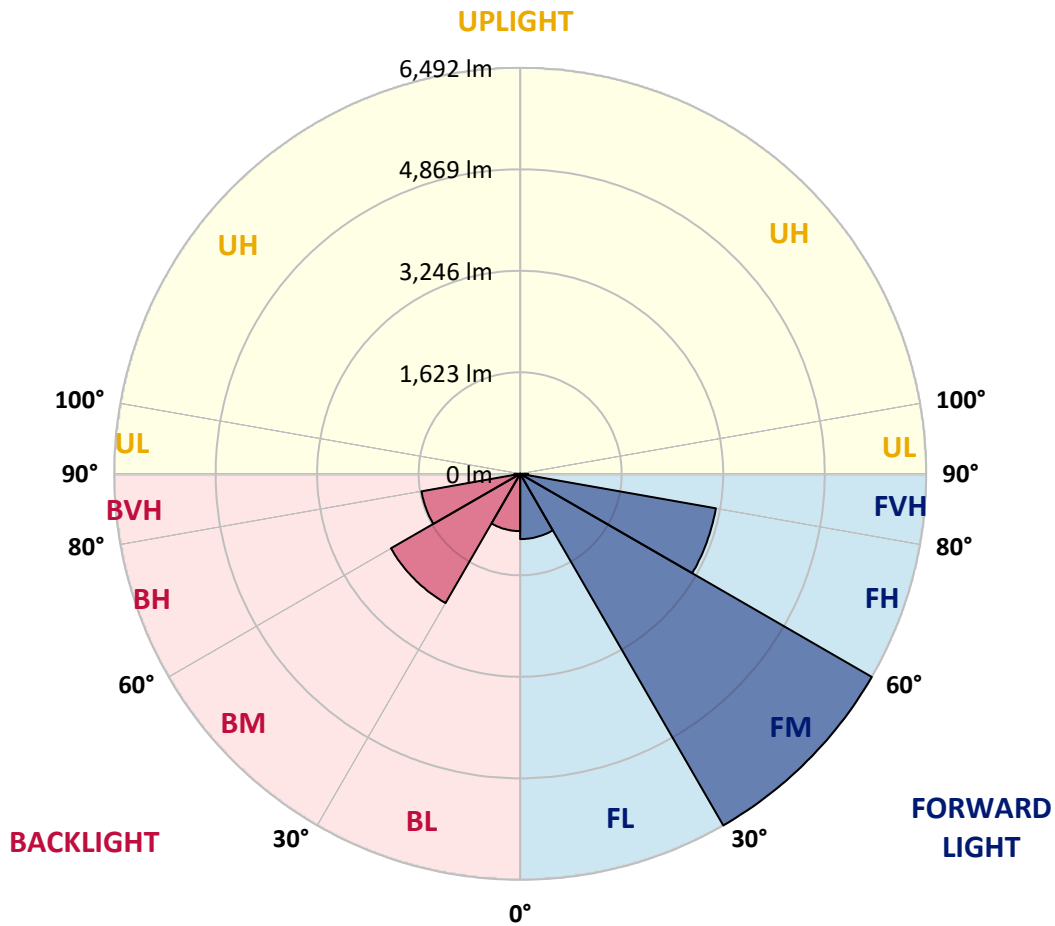
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1044.1	6.6			
FM (30°-60°)	6492.2	41.0			
FH (60°-80°)	3177.2	20.1			G2/5000
FVH (80°-90°)	128.7	0.8			G2/225
BL (0°-30°)	916.7	5.8	B2/1000		
BM (30°-60°)	2386.3	15.1	B2/2500		
BH (60°-80°)	1603.5	10.1	B3/2500		G3/2500
BVH (80°-90°)	92.2	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 Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°
0°	1745.6	1745.6	1745.6	1745.6	1745.6	1745.6	1745.6	1745.6	1745.6	1745.6
2.5°	1734.1	1729.2	1733.3	1733.3	1734.9	1734.1	1739.9	1741.5	1744.0	1748.9
5°	1716.8	1716.0	1723.4	1730.0	1736.6	1742.3	1749.7	1760.4	1762.0	1767.8
7.5°	1711.1	1706.2	1717.7	1725.9	1741.5	1755.5	1775.2	1793.3	1800.7	1803.1
10°	1755.5	1747.3	1757.9	1762.9	1776.0	1790.0	1813.0	1841.8	1850.0	1859.8
12.5°	1831.1	1822.0	1837.7	1845.1	1857.4	1869.7	1885.3	1913.3	1917.4	1935.5
15°	1934.6	1924.0	1933.8	1942.9	1963.4	1974.9	1990.5	2017.6	2017.6	2031.6
17.5°	2075.2	2061.2	2068.6	2071.9	2085.0	2102.3	2128.6	2152.4	2164.8	2159.8
20°	2284.7	2267.5	2267.5	2251.0	2246.1	2260.1	2294.6	2327.5	2340.6	2315.2
22.5°	2599.5	2574.9	2560.9	2505.0	2482.8	2484.5	2519.0	2559.2	2569.9	2524.7
25°	2999.8	2961.1	2942.2	2860.0	2809.9	2766.3	2793.5	2845.2	2860.0	2804.2
27.5°	3400.0	3402.5	3384.4	3285.8	3202.7	3123.0	3109.1	3163.3	3178.9	3115.6
30°	3961.3	3903.0	3868.4	3750.1	3631.8	3520.0	3462.5	3484.6	3488.8	3413.1
32.5°	4445.4	4430.6	4356.6	4253.1	4101.0	3926.0	3829.8	3794.5	3787.9	3680.2
35°	4996.8	4988.6	4910.6	4787.3	4622.9	4379.6	4206.2	4105.1	4096.9	3945.7
37.5°	5557.4	5557.4	5480.9	5346.1	5176.0	4871.9	4608.1	4447.9	4421.6	4224.3
40°	6004.4	5977.3	5991.3	5934.6	5739.8	5416.8	5054.4	4821.8	4786.5	4549.8
42.5°	6258.4	6249.3	6333.2	6396.5	6316.7	6058.7	5545.8	5227.0	5177.7	4908.1
45°	6315.1	6305.2	6454.8	6686.6	6798.3	6692.3	6080.0	5653.5	5593.5	5282.9
47.5°	6184.4	6164.7	6384.1	6749.9	7108.2	7294.7	6658.6	6116.2	6029.1	5647.8
50°	5791.6	5772.7	6104.7	6590.4	7212.6	7704.0	7286.5	6606.9	6473.7	6039.0
52.5°	4937.7	4946.7	5466.9	6134.3	7075.3	7958.8	7827.3	7123.8	6963.5	6439.2
55°	3846.3	3866.0	4505.4	5240.1	6526.3	7920.2	8196.3	7656.4	7496.9	6815.6
57.5°	2754.0	2841.1	3440.3	4167.6	5471.9	7307.9	8276.9	8162.6	8008.1	7226.5
60°	1785.1	1800.7	2417.1	3150.2	4166.8	6219.8	8113.3	8546.4	8425.6	7645.7
62.5°	1144.0	1154.7	1530.3	2203.4	2998.9	4601.5	7562.7	8713.3	8676.3	7922.6
65°	840.8	832.5	1028.1	1456.3	2020.1	2837.8	6493.4	8632.7	8705.9	8096.0
67.5°	701.9	690.4	786.5	1008.4	1488.4	1611.6	4804.5	8109.2	8377.1	8076.3
70°	639.4	629.5	687.9	748.7	1161.3	1079.1	2422.0	7049.8	7462.4	7852.0
72.5°	541.6	524.3	604.1	664.9	903.2	827.6	1001.0	5415.2	5918.1	7132.8
75°	420.0	408.5	476.7	585.2	678.8	646.0	632.8	3288.2	3837.2	5516.3
77.5°	332.8	317.2	379.7	456.1	610.6	487.4	461.1	1416.0	1960.1	3521.6
80°	250.7	236.7	288.5	360.8	469.3	367.4	298.3	577.8	738.8	1784.2
82.5°	178.3	166.0	201.4	264.6	315.6	329.6	183.3	323.8	364.1	687.9
85°	114.2	106.8	134.8	166.0	200.5	212.0	111.8	169.3	185.7	283.5
87.5°	62.5	51.0	72.3	77.3	92.9	84.7	53.4	61.6	66.6	102.7
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°
1745.6	0°	1745.6	1745.6	1745.6	1745.6	1745.6	1745.6	1745.6	1745.6	1745.6	1745.6
1748.9	2.5°	1752.2	1754.6	1762.9	1765.3	1771.1	1778.5	1783.4	1788.3	1788.3	1793.3
1775.2	5°	1776.0	1781.8	1799.0	1808.1	1822.9	1837.7	1846.7	1857.4	1864.0	1867.2
1817.1	7.5°	1822.0	1831.1	1855.7	1871.4	1896.8	1917.4	1931.3	1946.1	1949.4	1958.5
1875.5	10°	1884.5	1895.2	1923.1	1952.7	1983.1	2008.6	2021.8	2032.4	2036.5	2038.2
1950.3	12.5°	1956.0	1971.6	2007.8	2043.9	2076.0	2098.2	2101.5	2099.0	2087.5	2077.6
2042.3	15°	2043.9	2057.9	2098.2	2137.6	2168.9	2173.0	2152.4	2139.3	2125.3	2122.8
2145.0	17.5°	2149.1	2156.5	2193.5	2232.1	2234.6	2220.6	2190.2	2177.9	2164.8	2155.7
2279.0	20°	2271.6	2269.1	2295.4	2311.9	2294.6	2251.9	2205.8	2185.3	2172.1	2161.5
2443.4	22.5°	2417.9	2399.0	2395.7	2391.6	2345.6	2256.0	2193.5	2167.2	2146.7	2131.9
2672.7	25°	2630.7	2558.4	2508.3	2480.3	2376.8	2233.8	2154.1	2095.7	2057.1	2031.6
2952.9	27.5°	2897.0	2775.4	2648.8	2580.6	2376.8	2188.6	2058.7	1964.2	1900.9	1874.6
3224.1	30°	3151.0	3023.6	2837.0	2701.4	2371.0	2114.6	1905.0	1773.6	1699.6	1673.3
3455.9	32.5°	3367.9	3229.0	3036.7	2833.7	2357.1	1994.6	1714.4	1568.9	1497.4	1466.2
3685.2	35°	3569.3	3421.4	3237.3	2979.2	2320.1	1818.8	1504.8	1393.9	1314.1	1264.0
3918.6	37.5°	3775.6	3599.7	3427.1	3110.7	2253.5	1613.3	1343.7	1249.2	1155.5	1088.1
4166.8	40°	3999.9	3789.6	3630.1	3188.8	2144.2	1417.7	1218.8	1132.5	1033.1	961.6
4452.8	42.5°	4262.1	4017.2	3856.1	3229.0	1994.6	1278.8	1137.4	1052.8	959.1	900.7
4759.3	45°	4535.8	4267.9	4062.4	3228.2	1827.8	1213.9	1111.1	1027.3	923.8	862.9
5074.1	47.5°	4822.6	4530.0	4240.7	3175.6	1683.1	1222.9	1096.3	972.2	858.0	798.8
5392.2	50°	5110.3	4816.9	4413.3	3077.0	1621.5	1203.2	1041.3	895.0	760.2	706.8
5690.5	52.5°	5395.4	5121.8	4562.1	2936.5	1559.0	1130.0	970.6	794.7	719.9	683.0
5998.7	55°	5682.3	5423.4	4724.0	2731.8	1402.9	1044.6	852.3	756.9	687.9	654.2
6300.3	57.5°	5969.9	5771.9	4877.7	2527.2	1206.5	939.4	787.3	710.9	655.8	627.1
6552.6	60°	6269.1	6170.5	5036.3	2339.0	1012.5	804.6	739.7	673.9	618.0	586.0
6795.1	62.5°	6577.3	6609.3	5160.4	2096.5	834.2	722.4	696.9	629.5	575.3	544.9
6995.6	65°	6887.9	7032.6	5241.8	1760.4	676.4	644.3	650.9	581.0	526.0	499.7
7142.7	67.5°	7122.2	7337.5	5218.7	1332.2	554.7	570.4	593.4	530.1	478.3	457.8
7118.9	70°	7148.5	7301.3	4991.9	912.3	464.3	498.0	529.3	480.0	426.5	411.7
6783.6	72.5°	6798.3	6808.2	4359.9	595.8	392.8	437.2	461.9	429.0	377.2	362.4
5934.6	75°	5880.3	5630.5	3201.1	392.8	328.7	375.6	398.6	375.6	325.5	328.7
4440.5	77.5°	4455.2	3987.6	1943.7	279.4	274.5	315.6	346.8	330.4	287.6	323.0
2233.0	80°	2295.4	2157.4	867.1	208.7	217.0	252.3	285.2	263.8	227.7	217.0
498.9	82.5°	526.0	611.5	341.9	149.6	157.0	181.6	217.8	198.1	163.5	138.1
207.9	85°	184.1	201.4	151.2	93.7	92.0	113.4	147.9	132.3	110.9	88.8
87.9	87.5°	58.4	76.4	56.7	37.8	39.4	51.0	68.2	62.5	51.8	33.7
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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<u>180°</u>
1745.6
1793.3
1868.9
1955.2
2034.1
2077.6
2122.8
2156.5
2162.3
2136.8
2041.5
1887.8
1688.9
1481.8
1280.4
1106.2
975.5
912.3
872.8
807.1
710.1
683.0
650.9
622.1
583.5
544.1
498.9
458.6
412.6
361.6
317.2
284.4
198.1
136.4
93.7
35.3
0.0

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