

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: P940557

Luminaire Tested: **GALN-SB3C-935-U-T3**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940557
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-935-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15642 lumens
Efficiency: N/A
Efficacy: 104.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

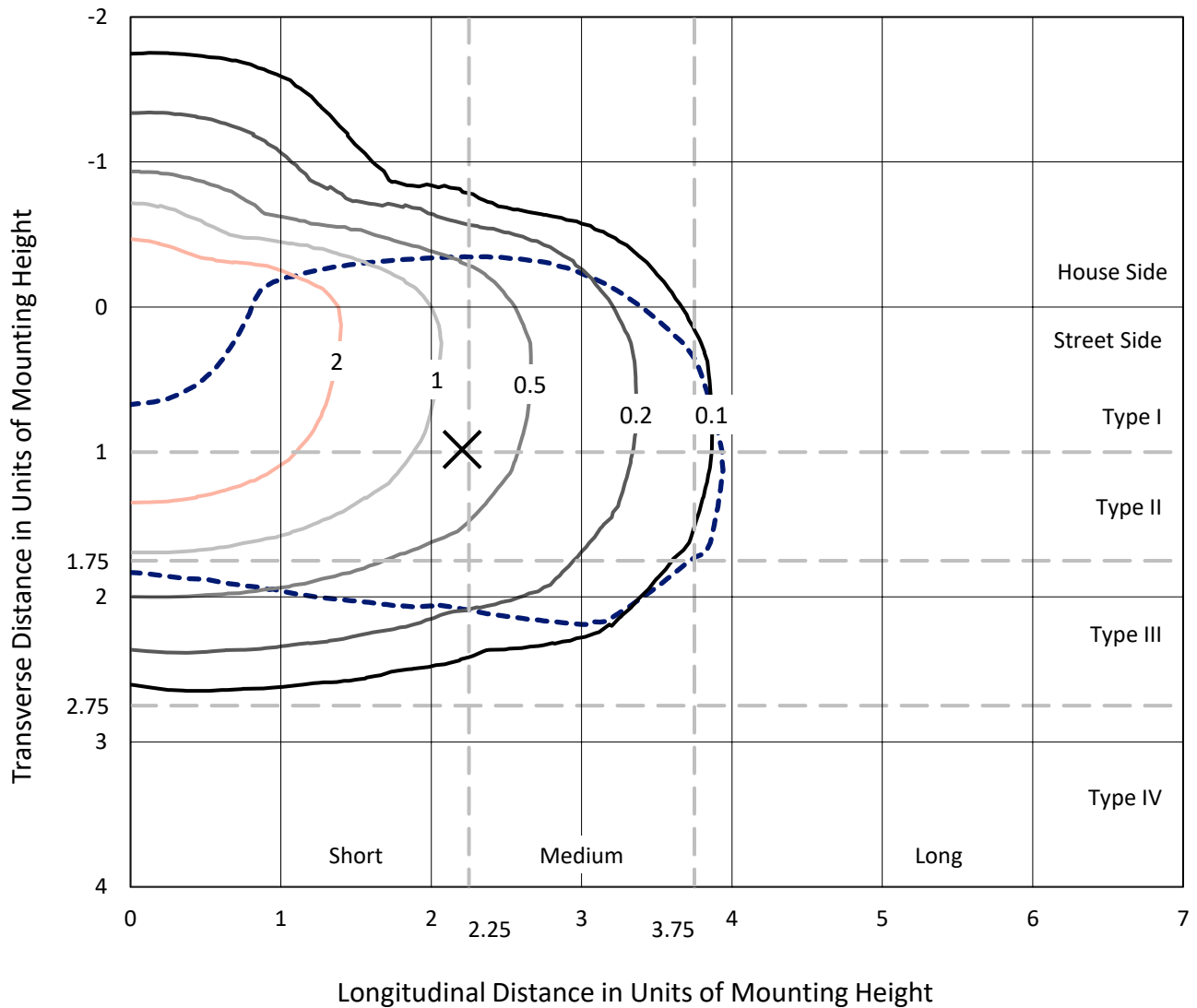
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

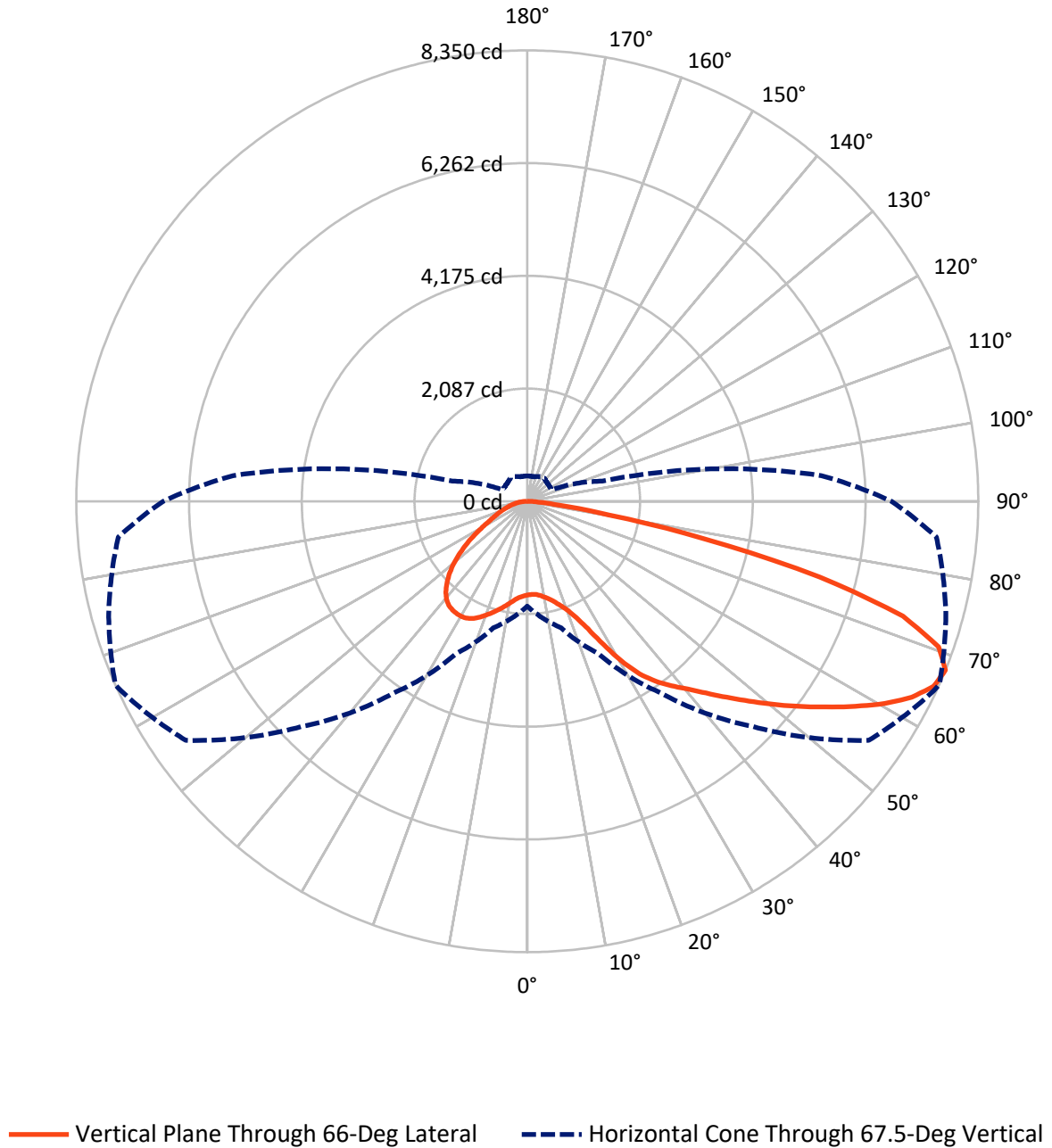
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3889.3	0.0	3889.3
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	11752.7	0.0	11752.7
	% Fixture	75.1	0.0	75.1
Total	Lumens	15642.0	0.0	15642.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	172.0	1.1
10°-20°	568.3	3.6
20°-30°	1095.4	7.0
30°-40°	1920.6	12.3
40°-50°	2855.3	18.3
50°-60°	3619.3	23.1
60°-70°	3541.4	22.6
70°-80°	1689.3	10.8
80°-90°	180.5	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°	15642.0	100.0
0°-180°	15642.0	100.0

Coefficient of Utilization



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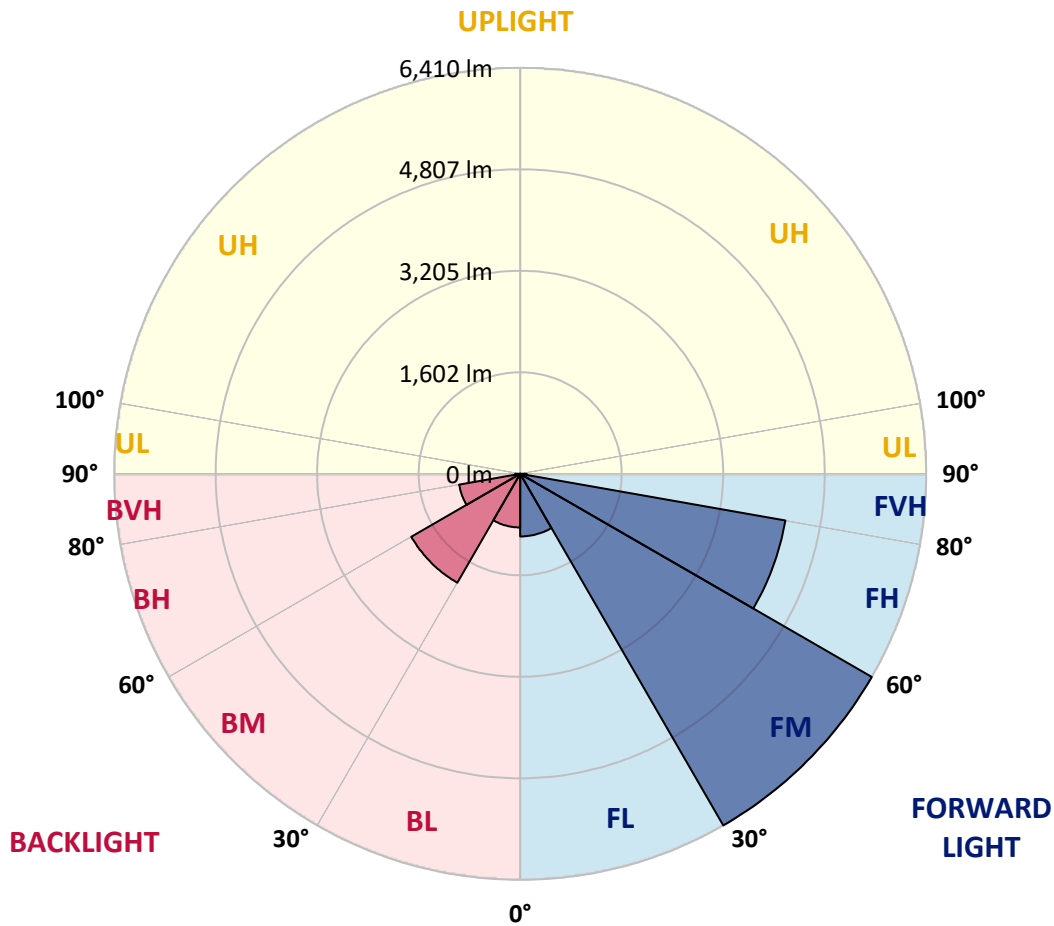
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	988.4	6.3			
FM (30°-60°)	6410.0	41.0			
FH (60°-80°)	4251.9	27.2			G2/5000
FVH (80°-90°)	102.4	0.7			G2/225
BL (0°-30°)	847.2	5.4	B2/1000		
BM (30°-60°)	1985.2	12.7	B2/2500		
BH (60°-80°)	978.8	6.3	B2/1000		G2/1000
BVH (80°-90°)	78.2	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	1734.9	1734.9	1734.9	1734.9	1734.9	1734.9	1734.9	1734.9	1734.9	1734.9
2.5°	1716.8	1726.7	1724.2	1720.1	1719.3	1720.9	1723.4	1725.9	1725.0	1729.2
5°	1711.9	1721.8	1720.9	1720.9	1724.2	1730.8	1734.9	1739.0	1734.9	1739.8
7.5°	1715.2	1722.6	1725.9	1729.2	1737.4	1749.7	1759.6	1768.6	1763.7	1769.4
10°	1757.1	1762.8	1766.1	1766.1	1771.9	1785.9	1795.7	1812.2	1808.0	1817.1
12.5°	1833.5	1839.3	1839.3	1836.0	1840.1	1849.1	1852.4	1870.5	1863.1	1877.9
15°	1927.2	1938.7	1929.7	1923.9	1925.6	1934.6	1933.8	1947.8	1940.4	1952.7
17.5°	2030.8	2045.6	2030.8	2029.9	2026.7	2036.5	2037.3	2049.7	2036.5	2045.6
20°	2153.2	2173.8	2161.4	2165.5	2158.2	2162.3	2166.4	2184.5	2163.9	2170.5
22.5°	2325.8	2350.5	2337.3	2352.9	2348.0	2344.7	2343.9	2375.9	2343.9	2346.4
25°	2577.3	2606.9	2583.9	2605.2	2605.2	2615.9	2628.2	2669.3	2615.9	2600.3
27.5°	2948.8	2978.3	2933.1	2946.3	2942.2	2968.5	2955.3	3057.2	2999.7	2974.2
30°	3395.8	3448.4	3363.0	3359.7	3355.6	3397.5	3416.4	3483.8	3425.4	3400.0
32.5°	3879.1	3934.1	3832.2	3802.7	3787.0	3812.5	3796.9	3851.1	3810.9	3771.4
35°	4390.3	4444.5	4347.5	4290.0	4227.5	4174.1	4118.2	4132.2	4094.4	4034.4
37.5°	4873.5	4973.0	4870.2	4808.6	4693.5	4589.2	4433.0	4368.1	4332.7	4277.7
40°	5365.8	5422.5	5344.4	5291.8	5166.9	5003.4	4753.5	4616.3	4568.6	4515.2
42.5°	5728.2	5782.5	5740.6	5704.4	5606.6	5416.7	5093.8	4922.0	4853.0	4793.0
45°	6015.9	6056.1	6029.8	6043.0	6001.1	5817.0	5446.3	5249.9	5178.4	5105.3
47.5°	6131.7	6174.5	6216.4	6294.5	6366.0	6230.4	5825.2	5604.9	5529.3	5454.6
50°	6118.6	6162.2	6283.8	6449.8	6671.7	6626.5	6224.6	5983.0	5913.1	5827.7
52.5°	6013.4	6062.7	6218.9	6495.0	6848.4	6923.2	6631.4	6373.4	6307.6	6205.7
55°	5737.3	5766.9	6001.1	6392.3	6890.3	7130.3	7030.0	6789.2	6723.5	6581.3
57.5°	5225.3	5268.0	5609.1	6115.3	6785.1	7270.8	7380.1	7226.4	7163.2	6958.5
60°	4557.1	4625.3	5015.7	5650.2	6517.2	7270.0	7698.2	7656.3	7603.7	7330.0
62.5°	3801.0	3879.9	4255.5	4992.7	6048.7	7063.7	7897.1	8016.2	7989.1	7672.7
65°	2919.2	2973.4	3347.4	4142.1	5319.8	6620.7	7920.1	8262.0	8266.9	7933.2
67.5°	1943.7	2099.8	2424.4	3108.2	4343.4	5896.7	7717.9	8302.2	8349.9	8022.8
70°	948.4	1153.9	1471.9	2020.1	3108.2	4786.4	7189.5	7971.8	8077.9	7761.5
72.5°	393.7	460.2	633.6	996.9	1784.2	3229.8	6127.6	7076.0	7272.5	6877.2
75°	265.5	287.6	362.4	511.2	812.8	1592.7	4419.0	5276.2	5592.6	5194.0
77.5°	204.6	218.6	263.8	357.5	483.2	602.4	2365.3	3179.7	3343.2	3095.0
80°	161.1	171.8	197.2	260.5	342.7	322.2	806.2	1440.7	1535.2	1287.8
82.5°	139.7	143.8	141.4	176.7	227.6	188.2	264.6	531.7	586.8	425.7
85°	101.1	112.6	117.5	109.3	120.8	95.3	108.5	188.2	207.1	184.9
87.5°	41.1	60.8	74.8	70.7	44.4	27.1	33.7	55.1	63.3	69.0
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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CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
1734.9	0°	1734.9	1734.9	1734.9	1734.9	1734.9	1734.9	1734.9	1734.9	1734.9	1734.9
1735.7	2.5°	1736.5	1742.3	1746.4	1751.3	1754.6	1759.6	1769.4	1775.2	1776.0	1780.1
1748.9	5°	1752.2	1760.4	1769.4	1782.6	1797.4	1809.7	1828.6	1841.7	1846.7	1850.8
1780.9	7.5°	1785.9	1797.4	1813.8	1836.8	1858.2	1874.6	1897.6	1913.2	1928.9	1934.6
1831.9	10°	1836.0	1852.4	1876.3	1907.5	1930.5	1951.9	1975.7	1988.9	2004.5	2011.0
1892.7	12.5°	1898.5	1915.7	1946.9	1990.5	2011.9	2026.7	2034.9	2031.6	2034.9	2040.6
1965.8	15°	1970.0	1988.9	2024.2	2071.0	2085.8	2072.7	2054.6	2038.2	2035.7	2037.3
2054.6	17.5°	2054.6	2068.6	2109.7	2149.1	2138.4	2084.2	2044.7	2018.4	2005.3	2001.2
2168.0	20°	2172.9	2172.9	2206.6	2231.3	2159.8	2067.7	2006.1	1963.4	1936.3	1924.7
2322.5	22.5°	2316.8	2303.6	2325.0	2307.7	2155.7	2021.7	1936.3	1862.3	1821.2	1804.8
2538.7	25°	2499.2	2483.6	2477.8	2371.0	2126.1	1948.6	1809.7	1720.1	1684.0	1674.9
2850.1	27.5°	2774.5	2735.1	2660.3	2405.5	2071.9	1833.5	1661.8	1578.8	1558.2	1559.0
3250.4	30°	3141.1	3062.2	2878.9	2411.3	1983.1	1670.8	1510.5	1451.4	1441.5	1445.6
3586.5	32.5°	3480.5	3405.7	3102.4	2385.0	1846.7	1511.4	1374.9	1335.5	1320.7	1325.6
3842.9	35°	3746.8	3726.2	3309.6	2348.0	1679.0	1361.8	1253.3	1219.6	1190.8	1184.3
4084.5	37.5°	3998.3	3990.0	3464.9	2296.2	1513.0	1255.8	1155.5	1111.1	1069.2	1046.2
4351.6	40°	4274.4	4266.2	3566.8	2216.5	1365.9	1163.7	1067.6	1009.2	957.4	915.5
4654.1	42.5°	4585.0	4536.6	3615.3	2102.3	1241.0	1085.7	996.1	917.2	849.0	810.3
4996.0	45°	4924.5	4815.2	3614.5	1956.8	1135.8	1014.2	919.6	807.9	744.6	708.4
5346.9	47.5°	5284.4	5081.4	3570.1	1795.7	1033.9	935.3	801.3	715.8	673.9	651.7
5728.2	50°	5655.9	5330.5	3494.5	1610.8	929.5	845.7	727.3	669.0	636.9	616.4
6106.3	52.5°	6005.2	5556.5	3403.2	1401.2	823.5	758.6	694.5	649.3	615.6	592.5
6472.8	55°	6329.8	5751.2	3274.2	1186.7	737.2	700.2	678.8	641.0	602.4	575.3
6845.1	57.5°	6618.3	5877.8	3051.5	985.4	675.6	659.9	662.4	627.1	582.7	559.7
7211.6	60°	6858.3	5970.7	2721.9	798.8	625.4	620.5	636.9	600.8	549.0	522.7
7521.5	62.5°	7002.1	5969.0	2317.6	654.2	582.7	584.3	603.2	567.9	515.3	490.6
7683.4	65°	6989.8	5822.7	1873.8	559.7	541.6	543.2	567.9	531.7	487.4	472.6
7602.0	67.5°	6742.4	5466.1	1437.4	498.0	496.4	503.8	532.6	507.1	470.1	468.4
7117.1	70°	6072.6	4725.6	1035.5	448.7	449.5	460.2	498.0	491.5	461.1	464.3
5983.8	72.5°	4869.4	3602.9	695.3	396.9	397.8	415.0	465.2	479.1	452.0	495.6
4245.6	75°	3243.0	2246.9	447.1	341.9	342.7	364.9	436.4	455.3	427.4	493.9
2209.1	77.5°	1558.2	1010.0	323.8	287.6	287.6	308.2	377.2	407.6	364.1	383.8
710.1	80°	538.3	379.7	254.8	231.8	226.8	240.8	318.1	353.4	313.9	289.3
231.8	82.5°	212.0	197.2	204.6	180.0	163.5	172.6	247.4	291.8	230.9	208.7
130.7	85°	121.6	128.2	144.6	119.2	94.5	106.0	181.6	209.6	174.2	153.7
42.7	87.5°	32.9	45.2	66.6	61.6	42.7	45.2	86.3	115.9	100.3	77.3
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>
1734.9
1779.3
1850.0
1935.4
2014.3
2042.3
2043.1
2006.9
1922.3
1802.3
1676.6
1561.5
1459.6
1332.2
1189.2
1047.0
919.6
812.8
706.8
646.8
609.0
582.7
564.6
544.9
511.2
483.2
471.7
470.9
463.5
502.1
498.0
351.7
271.2
207.9
157.0
79.7
0.0

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