

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: P940277

Luminaire Tested: **GALN-SB3B-735-U-T3**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940277
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-SB3B-735-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16907 lumens
Efficiency: N/A
Efficacy: 154.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

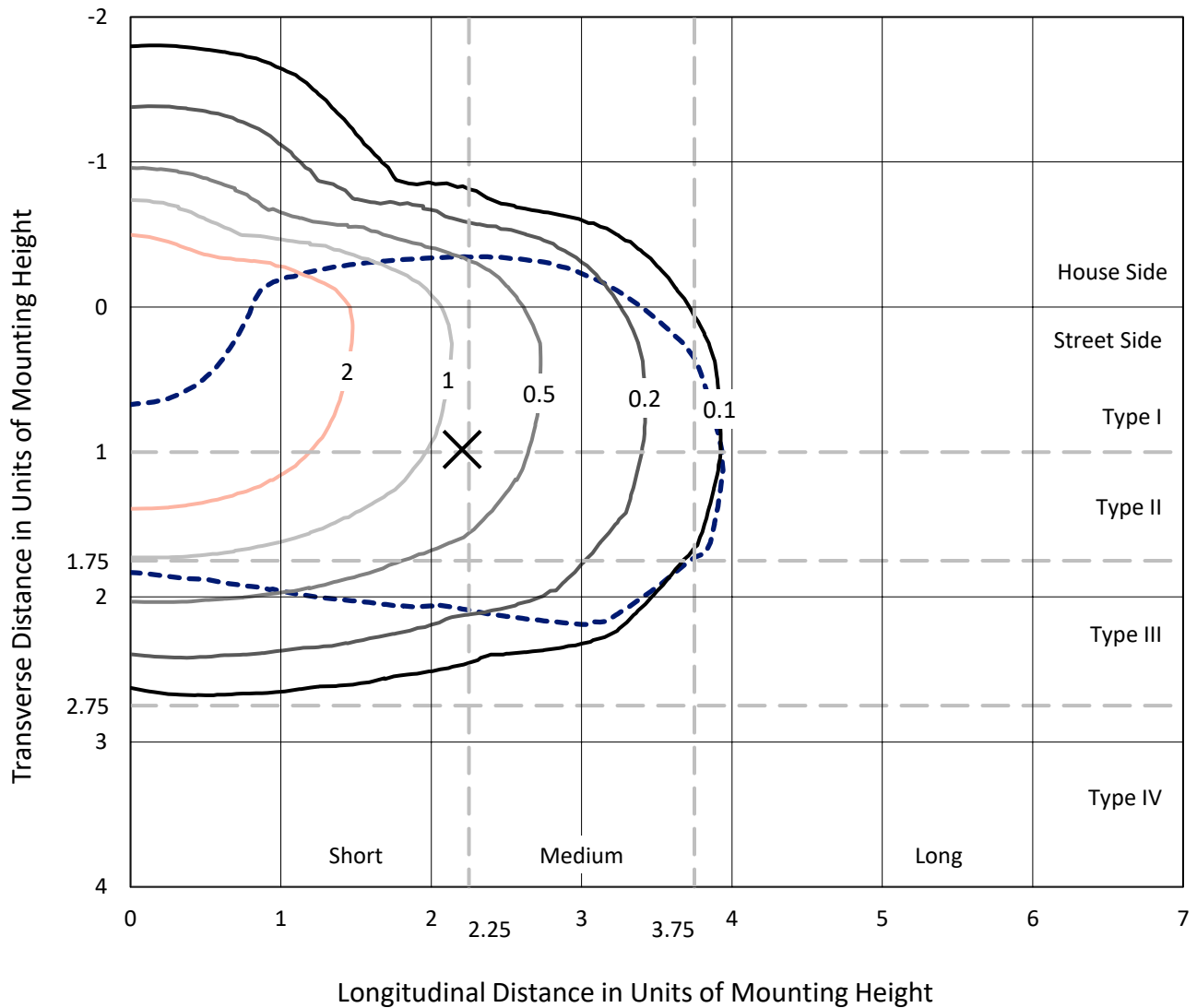
Input Watts (W): 109.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P940277
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Iso-Footcandle Lines of Horizontal Illumination

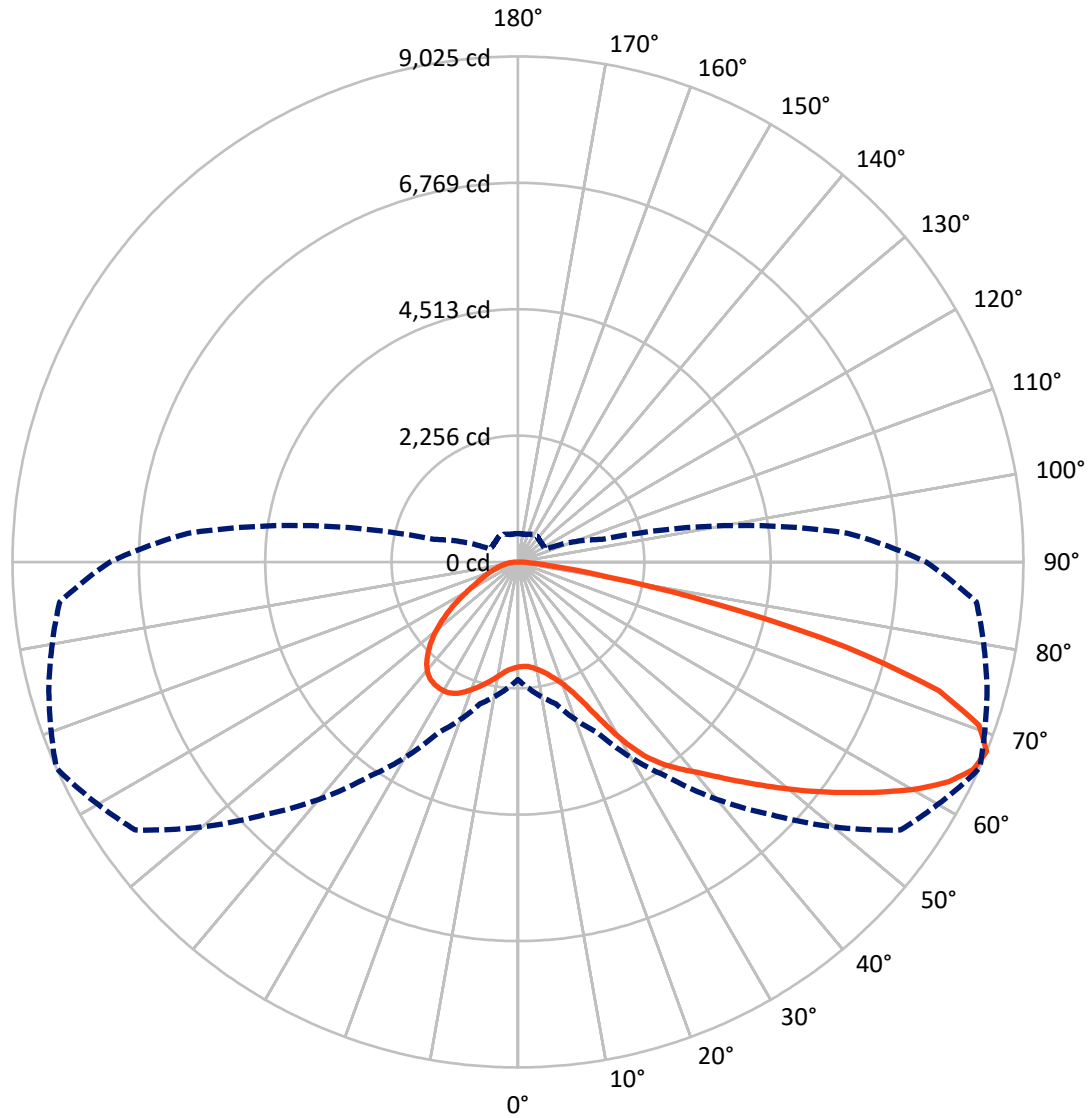
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.3 fc
 Type III - Short - N/A

REPORT NUMBER: P940277
CATALOG NUMBER: GALN-SB3B-735-U-T3

Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4203.9	0.0	4203.9
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	12703.1	0.0	12703.1
	% Fixture	75.1	0.0	75.1
Total	Lumens	16907.0	0.0	16907.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	185.9	1.1
10°-20°	614.3	3.6
20°-30°	1183.9	7.0
30°-40°	2075.9	12.3
40°-50°	3086.2	18.3
50°-60°	3912.0	23.1
60°-70°	3827.8	22.6
70°-80°	1825.9	10.8
80°-90°	195.1	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°	16907.0	100.0
0°-180°	16907.0	100.0

Coefficient of Utilization



REPORT NUMBER: P940277

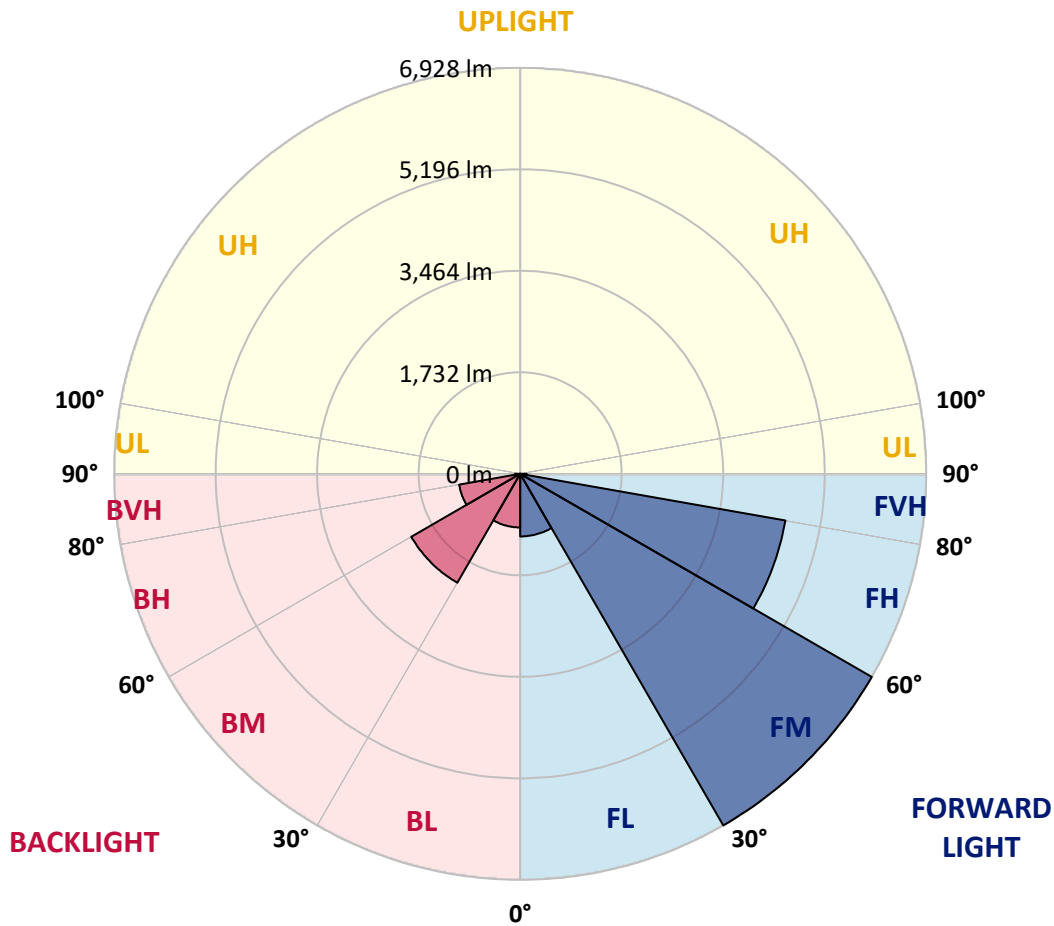
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1068.4	6.3			
FM (30°-60°)	6928.3	41.0			
FH (60°-80°)	4595.8	27.2			G2/5000
FVH (80°-90°)	110.6	0.7			G2/225
BL (0°-30°)	915.8	5.4	B2/1000		
BM (30°-60°)	2145.7	12.7	B2/2500		
BH (60°-80°)	1057.9	6.3	B3/2500		G3/2500
BVH (80°-90°)	84.5	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: P940277

CATALOG NUMBER: GALN-SB3B-735-U-T3

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	1875.2	1875.2	1875.2	1875.2	1875.2	1875.2	1875.2	1875.2	1875.2	1875.2
2.5°	1855.7	1866.3	1863.7	1859.2	1858.3	1860.1	1862.8	1865.4	1864.6	1869.0
5°	1850.3	1861.0	1860.1	1860.1	1863.7	1870.8	1875.2	1879.7	1875.2	1880.5
7.5°	1853.9	1861.9	1865.4	1869.0	1877.9	1891.2	1901.9	1911.6	1906.3	1912.5
10°	1899.2	1905.4	1909.0	1909.0	1915.2	1930.3	1940.9	1958.7	1954.3	1964.0
12.5°	1981.8	1988.0	1988.0	1984.5	1988.9	1998.7	2002.2	2021.8	2013.8	2029.8
15°	2083.1	2095.5	2085.7	2079.5	2081.3	2091.1	2090.2	2105.3	2097.3	2110.6
17.5°	2195.0	2211.0	2195.0	2194.1	2190.6	2201.2	2202.1	2215.4	2201.2	2211.0
20°	2327.4	2349.6	2336.2	2340.7	2332.7	2337.1	2341.6	2361.1	2338.9	2346.0
22.5°	2513.9	2540.5	2526.3	2543.2	2537.9	2534.3	2533.4	2568.1	2533.4	2536.1
25°	2785.7	2817.7	2792.8	2815.9	2815.9	2827.5	2840.8	2885.2	2827.5	2810.6
27.5°	3187.2	3219.2	3170.4	3184.6	3180.1	3208.6	3194.3	3304.5	3242.3	3214.8
30°	3670.5	3727.3	3634.9	3631.4	3626.9	3672.2	3692.7	3765.5	3702.5	3674.9
32.5°	4192.8	4252.3	4142.2	4110.2	4093.3	4120.8	4104.0	4162.6	4119.1	4076.4
35°	4745.3	4803.9	4699.1	4636.9	4569.4	4511.7	4451.3	4466.4	4425.5	4360.7
37.5°	5267.6	5375.1	5264.1	5197.5	5073.1	4960.3	4791.5	4721.3	4683.1	4623.6
40°	5799.7	5861.0	5776.6	5719.8	5584.8	5408.0	5138.0	4989.6	4938.1	4880.3
42.5°	6191.5	6250.1	6204.8	6165.7	6060.0	5854.8	5505.7	5320.1	5245.4	5180.6
45°	6502.4	6545.9	6517.5	6531.7	6486.4	6287.4	5886.8	5674.5	5597.2	5518.1
47.5°	6627.6	6673.8	6719.1	6803.5	6880.8	6734.2	6296.3	6058.2	5976.5	5895.7
50°	6613.4	6660.5	6792.0	6971.4	7211.3	7162.4	6728.0	6466.9	6391.3	6299.0
52.5°	6499.7	6553.0	6721.8	7020.3	7402.2	7483.1	7167.7	6888.8	6817.7	6707.6
55°	6201.3	6233.2	6486.4	6909.2	7447.5	7706.9	7598.6	7338.3	7267.2	7113.5
57.5°	5647.8	5694.0	6062.7	6609.9	7333.8	7858.8	7977.0	7810.9	7742.5	7521.3
60°	4925.6	4999.4	5421.3	6107.1	7044.3	7857.9	8320.7	8275.4	8218.6	7922.8
62.5°	4108.4	4193.7	4599.6	5396.4	6537.9	7635.0	8535.7	8664.5	8635.2	8293.2
65°	3155.3	3213.9	3618.1	4477.1	5750.0	7156.2	8560.6	8930.1	8935.4	8574.8
67.5°	2100.8	2269.6	2620.5	3359.6	4694.7	6373.6	8342.1	8973.6	9025.2	8671.6
70°	1025.1	1247.2	1591.0	2183.5	3359.6	5173.5	7770.9	8616.5	8731.1	8389.1
72.5°	425.5	497.5	684.9	1077.5	1928.5	3491.0	6623.2	7648.3	7860.6	7433.3
75°	286.9	310.9	391.7	552.5	878.5	1721.5	4776.4	5702.9	6044.9	5614.1
77.5°	221.2	236.3	285.1	386.4	522.3	651.1	2556.5	3436.8	3613.6	3345.4
80°	174.1	185.7	213.2	281.6	370.4	348.2	871.4	1557.2	1659.4	1392.0
82.5°	151.0	155.5	152.8	191.0	246.1	203.4	286.0	574.7	634.2	460.1
85°	109.3	121.7	127.0	118.1	130.6	103.0	117.3	203.4	223.9	199.9
87.5°	44.4	65.7	80.8	76.4	48.0	29.3	36.4	59.5	68.4	74.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P940277
 CATALOG NUMBER: GALN-SB3B-735-U-T3

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
1875.2	0°	1875.2	1875.2	1875.2	1875.2	1875.2	1875.2	1875.2	1875.2	1875.2	1875.2
1876.1	2.5°	1877.0	1883.2	1887.6	1893.0	1896.5	1901.9	1912.5	1918.7	1919.6	1924.1
1890.3	5°	1893.9	1902.7	1912.5	1926.7	1942.7	1956.0	1976.5	1990.7	1996.0	2000.5
1925.0	7.5°	1930.3	1942.7	1960.5	1985.4	2008.5	2026.2	2051.1	2068.0	2084.8	2091.1
1980.0	10°	1984.5	2002.2	2028.0	2061.8	2086.6	2109.7	2135.5	2149.7	2166.6	2173.7
2045.8	12.5°	2052.0	2070.6	2104.4	2151.5	2174.6	2190.6	2199.4	2195.9	2199.4	2205.7
2124.8	15°	2129.3	2149.7	2187.9	2238.5	2254.5	2240.3	2220.8	2203.0	2200.3	2202.1
2220.8	17.5°	2220.8	2235.9	2280.3	2322.9	2311.4	2252.7	2210.1	2181.7	2167.5	2163.0
2343.3	20°	2348.7	2348.7	2385.1	2411.7	2334.5	2235.0	2168.4	2122.2	2092.8	2080.4
2510.3	22.5°	2504.1	2489.9	2513.0	2494.4	2330.0	2185.2	2092.8	2012.9	1968.5	1950.7
2744.0	25°	2701.3	2684.5	2678.2	2562.8	2298.0	2106.2	1956.0	1859.2	1820.1	1810.4
3080.6	27.5°	2998.9	2956.3	2875.4	2600.1	2239.4	1981.8	1796.2	1706.4	1684.2	1685.1
3513.2	30°	3395.1	3309.8	3111.7	2606.3	2143.5	1805.9	1632.7	1568.7	1558.1	1562.5
3876.6	32.5°	3762.0	3681.1	3353.3	2577.9	1996.0	1633.6	1486.1	1443.5	1427.5	1432.8
4153.7	35°	4049.8	4027.6	3577.2	2537.9	1814.8	1471.9	1354.7	1318.2	1287.2	1280.0
4414.9	37.5°	4321.6	4312.7	3745.1	2481.9	1635.4	1357.3	1249.0	1201.0	1155.7	1130.8
4703.6	40°	4620.1	4611.2	3855.2	2395.8	1476.4	1257.8	1153.9	1090.8	1034.9	989.6
5030.5	42.5°	4955.8	4903.4	3907.6	2272.3	1341.3	1173.4	1076.6	991.3	917.6	875.9
5400.0	45°	5322.7	5204.6	3906.8	2115.1	1227.6	1096.2	994.0	873.2	804.8	765.7
5779.3	47.5°	5711.8	5492.4	3858.8	1940.9	1117.5	1010.9	866.1	773.7	728.4	704.4
6191.5	50°	6113.3	5761.5	3777.1	1741.1	1004.7	914.1	786.1	723.1	688.4	666.2
6600.1	52.5°	6490.8	6005.8	3678.5	1514.6	890.1	819.9	750.6	701.8	665.3	640.5
6996.3	55°	6841.7	6216.4	3539.0	1282.7	796.8	756.8	733.7	692.9	651.1	621.8
7398.7	57.5°	7153.5	6353.2	3298.3	1065.1	730.2	713.3	716.0	677.8	629.8	604.9
7794.9	60°	7412.9	6453.5	2942.1	863.4	676.0	670.7	688.4	649.4	593.4	565.0
8129.8	62.5°	7568.4	6451.8	2505.0	707.1	629.8	631.6	652.0	613.8	557.0	530.3
8304.8	65°	7555.0	6293.6	2025.3	604.9	585.4	587.2	613.8	574.7	526.8	510.8
8216.8	67.5°	7287.6	5908.1	1553.6	538.3	536.5	544.5	575.6	548.1	508.1	506.3
7692.7	70°	6563.7	5107.7	1119.3	485.0	485.9	497.5	538.3	531.2	498.3	501.9
6467.7	72.5°	5263.2	3894.3	751.5	429.1	429.9	448.6	502.8	517.9	488.6	535.6
4589.0	75°	3505.2	2428.6	483.2	369.5	370.4	394.4	471.7	492.1	461.9	533.9
2387.8	77.5°	1684.2	1091.7	350.0	310.9	310.9	333.1	407.7	440.6	393.5	414.8
767.5	80°	581.8	410.4	275.4	250.5	245.2	260.3	343.8	382.0	339.3	312.7
250.5	82.5°	229.2	213.2	221.2	194.5	176.8	186.5	267.4	315.3	249.6	225.6
141.2	85°	131.5	138.6	156.3	128.8	102.2	114.6	196.3	226.5	188.3	166.1
46.2	87.5°	35.5	48.9	72.0	66.6	46.2	48.9	93.3	125.3	108.4	83.5
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

<u>180°</u>
1875.2
1923.2
1999.6
2092.0
2177.2
2207.4
2208.3
2169.2
2077.7
1948.1
1812.1
1687.8
1577.6
1439.9
1285.4
1131.7
994.0
878.5
763.9
699.1
658.2
629.8
610.3
588.9
552.5
522.3
509.9
509.0
501.0
542.8
538.3
380.2
293.1
224.7
169.7
86.2
0.0

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