

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: P940279

Luminaire Tested: **GALN-SB3B-735-U-T4FT**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P940279  
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-SB3B-735-U-T4FT  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 70 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

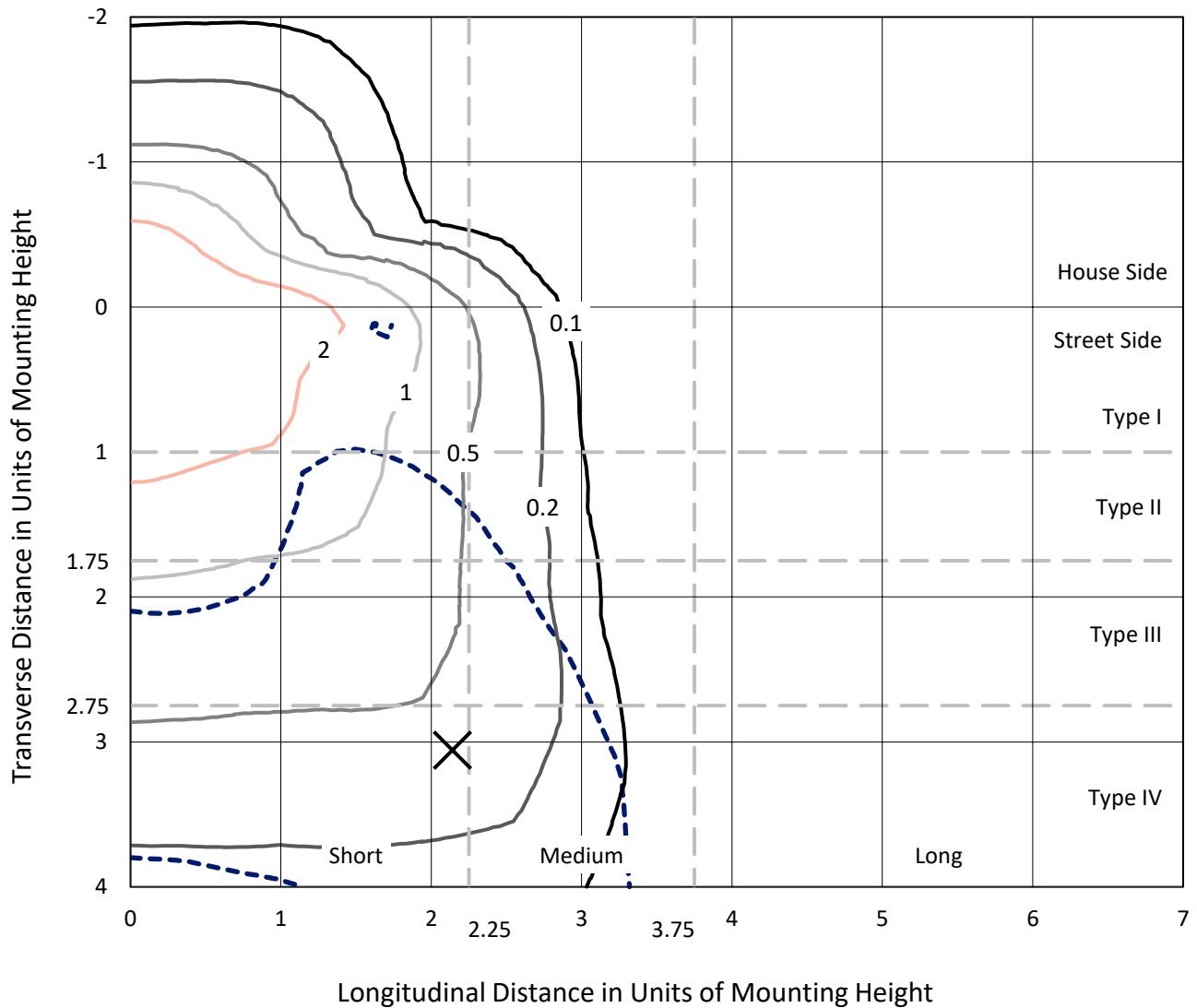
Lumens per Lamp: N/A  
Luminaire Lumens: 16699 lumens  
Efficiency: N/A  
Efficacy: 152.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G3  
  
Input Watts (W): 109.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
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: P940279  
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### Iso-Footcandle Lines of Horizontal Illumination

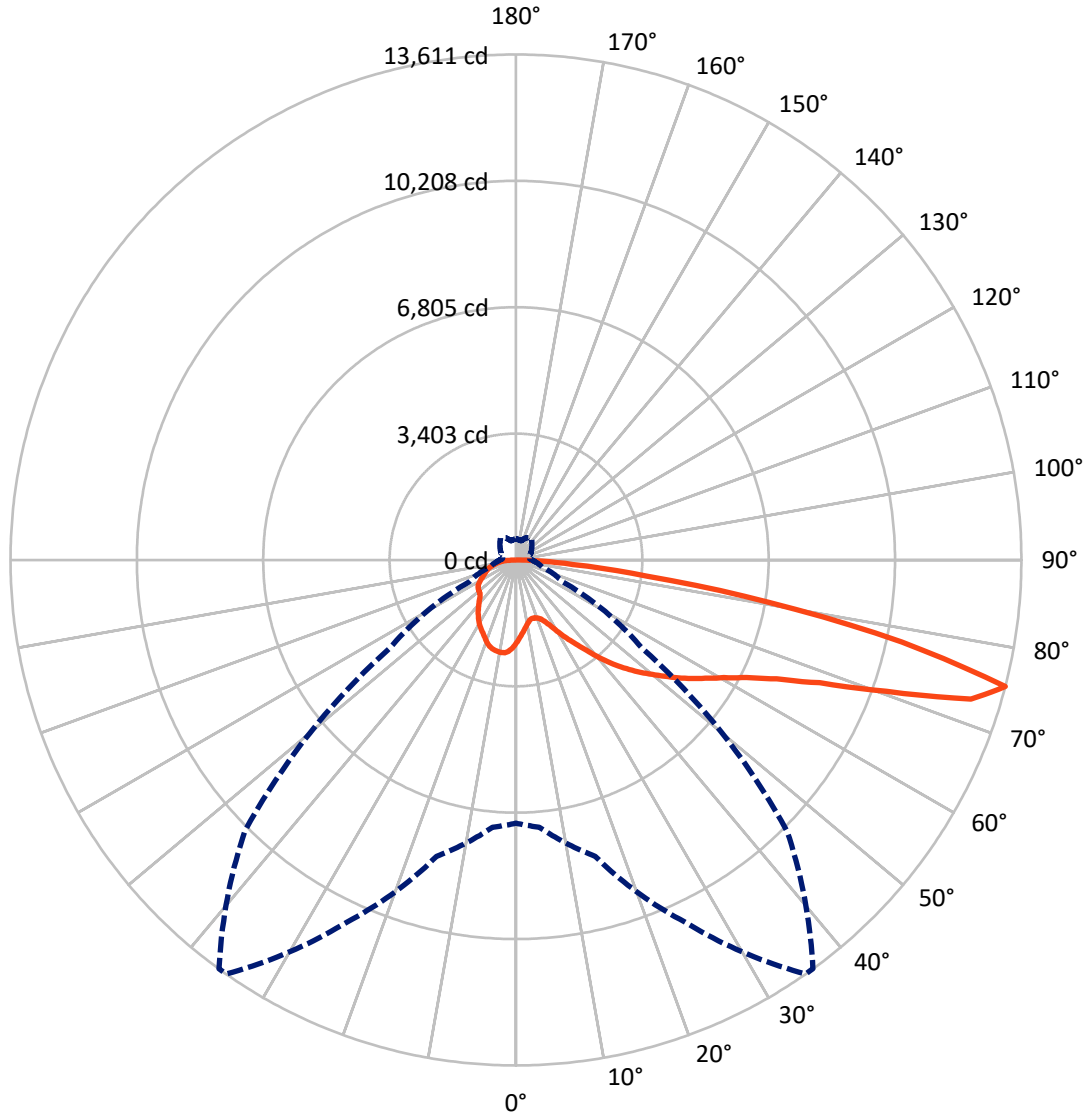
× Max cd  
 - - - 1/2 Max cd



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

REPORT NUMBER: P940279  
CATALOG NUMBER: GALN-SB3B-735-U-T4FT

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P940279

CATALOG NUMBER: GALN-SB3B-735-U-T4FT

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3973.9	0.0	3973.9
	% Fixture	23.8	0.0	23.8
<b>Street Side</b>	Lumens	12725.1	0.0	12725.1
	% Fixture	76.2	0.0	76.2
<b>Total</b>	Lumens	16699.0	0.0	16699.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	210.7	1.3
10°-20°	607.7	3.6
20°-30°	1020.5	6.1
30°-40°	1586.0	9.5
40°-50°	2354.1	14.1
50°-60°	3249.9	19.5
60°-70°	3942.9	23.6
70°-80°	3258.5	19.5
80°-90°	468.7	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°	16699.0	100.0
0°-180°	16699.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P940279

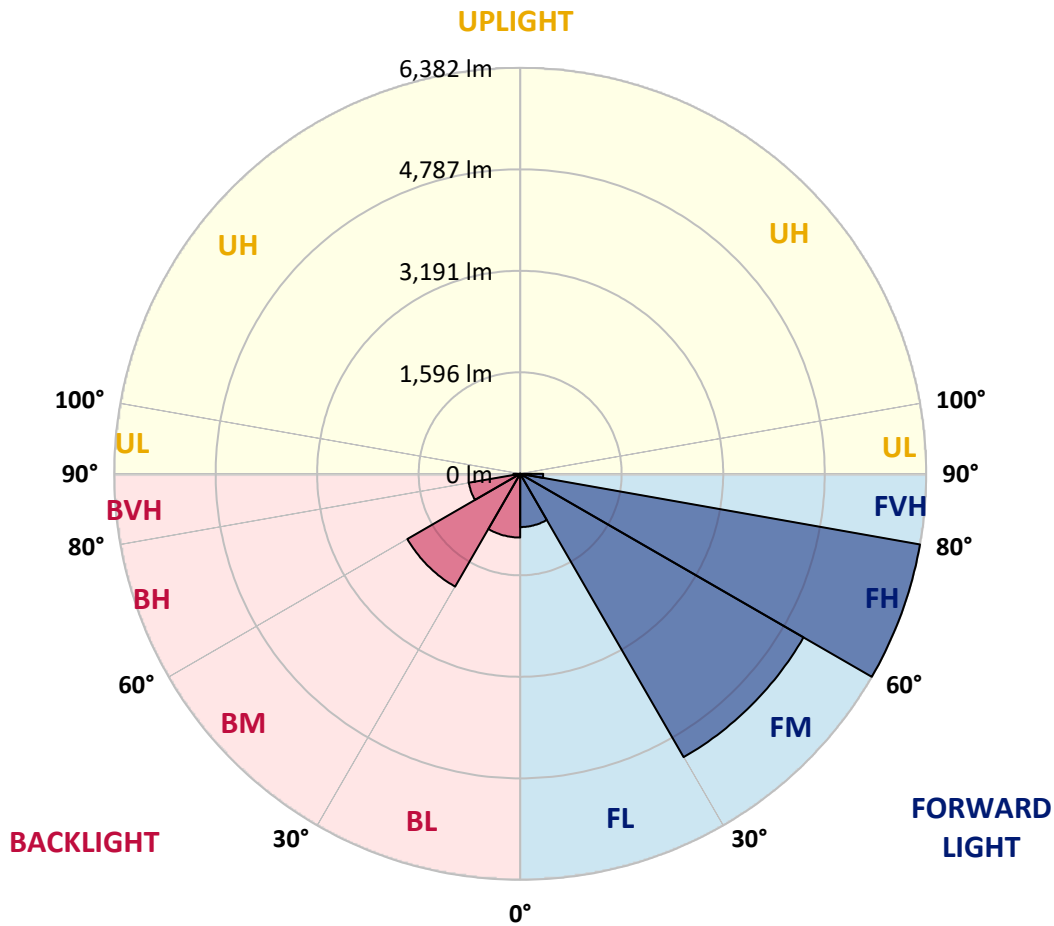
CATALOG NUMBER: GALN-SB3B-735-U-T4FT

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	837.4	5.0			
FM (30°-60°)	5142.4	30.8			
FH (60°-80°)	6382.1	38.2			G3/7500
FVH (80°-90°)	363.1	2.2			G3/500
BL (0°-30°)	1001.5	6.0	B3/2500		
BM (30°-60°)	2047.6	12.3	B2/2500		
BH (60°-80°)	819.3	4.9	B2/1000		G2/1000
BVH (80°-90°)	105.5	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G3**

Type IV Short



REPORT NUMBER: P940279

CATALOG NUMBER: GALN-SB3B-735-U-T4FT

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	2225.3	2225.3	2225.3	2225.3	2225.3	2225.3	2225.3	2225.3	2225.3	2225.3
2.5°	2051.9	2064.6	2070.0	2067.3	2080.8	2079.0	2098.0	2121.4	2153.9	2185.5
5°	1893.9	1907.5	1919.2	1930.1	1956.2	1964.4	1994.2	2039.3	2098.9	2159.4
7.5°	1746.8	1758.5	1776.6	1796.5	1840.7	1848.8	1898.5	1968.9	2051.9	2140.4
10°	1626.7	1638.5	1657.4	1680.0	1735.1	1745.0	1808.2	1902.1	2010.4	2122.3
12.5°	1575.3	1578.9	1589.7	1612.3	1660.1	1666.5	1736.0	1843.4	1969.8	2108.8
15°	1572.6	1579.8	1580.7	1592.4	1632.2	1634.9	1699.0	1805.5	1944.5	2106.1
17.5°	1599.7	1605.1	1596.9	1604.2	1637.6	1642.1	1692.6	1787.4	1936.4	2117.8
20°	1671.9	1676.4	1652.0	1642.1	1666.5	1670.1	1719.7	1799.2	1944.5	2142.2
22.5°	1825.3	1828.0	1768.5	1727.8	1729.7	1731.5	1774.8	1847.0	1976.1	2186.4
25°	2064.6	2062.8	1968.0	1889.4	1844.3	1834.4	1863.3	1924.6	2029.4	2245.1
27.5°	2344.4	2330.9	2236.1	2118.7	2020.3	2005.9	1999.6	2025.7	2105.2	2322.8
30°	2660.4	2647.7	2545.7	2392.3	2255.9	2232.5	2172.9	2159.4	2218.0	2428.4
32.5°	3007.0	2998.9	2877.0	2691.1	2508.7	2481.6	2381.4	2345.3	2391.4	2588.2
35°	3297.7	3290.5	3189.4	2998.0	2775.0	2741.6	2639.6	2599.0	2622.5	2793.1
37.5°	3560.4	3556.8	3470.1	3319.4	3089.2	3048.6	2933.9	2920.4	2915.9	3063.0
40°	3804.1	3795.1	3704.8	3625.4	3454.8	3417.8	3316.7	3304.9	3270.6	3395.2
42.5°	4074.1	4050.6	3919.7	3882.7	3836.6	3806.0	3745.5	3747.3	3671.4	3769.8
45°	4294.3	4280.8	4146.3	4124.6	4174.3	4161.6	4214.0	4227.5	4080.4	4162.5
47.5°	4530.9	4518.2	4404.5	4389.1	4523.6	4527.2	4712.3	4716.8	4479.4	4570.6
50°	4822.4	4804.4	4691.5	4710.5	4861.3	4874.8	5213.3	5182.6	4846.8	4984.9
52.5°	5014.7	5025.6	5001.2	5031.9	5237.7	5250.3	5706.2	5627.7	5210.6	5393.9
55°	5156.5	5178.1	5253.9	5324.4	5634.9	5647.5	6171.1	6051.1	5512.1	5773.0
57.5°	5338.8	5308.1	5449.8	5587.1	6012.3	6045.7	6623.4	6459.1	5779.3	6099.8
60°	5600.6	5578.9	5689.1	5892.2	6434.7	6488.0	7101.9	6826.5	5975.2	6358.9
62.5°	6131.4	6077.2	6094.4	6274.0	6967.3	7037.8	7641.7	7147.0	6072.7	6460.0
65°	6924.9	6831.9	6745.3	6869.9	7717.5	7787.0	8251.0	7398.9	6036.6	6264.1
67.5°	7924.3	7832.2	7725.7	7843.0	8822.5	8877.5	9003.0	7540.6	5752.3	5509.4
70°	8748.5	8714.2	8841.4	9324.4	10587.3	10589.1	9967.2	7423.2	4973.2	3906.2
72.5°	8639.2	8618.5	9289.2	10782.3	12811.7	12763.8	10879.8	6534.9	3350.1	1762.1
75°	7087.4	7221.9	8261.0	10756.2	13610.6	13604.3	10321.0	4154.4	1385.7	730.3
77.5°	3800.5	4013.6	5363.2	7941.4	10625.3	10785.0	7256.2	1453.4	594.9	467.6
80°	1239.5	1425.4	2137.7	4043.4	6904.2	6874.4	3109.9	570.5	407.1	331.3
82.5°	526.3	548.0	955.1	1909.3	3543.3	3488.2	990.3	327.7	286.2	226.6
85°	205.8	230.2	421.6	882.9	1534.7	1501.3	357.5	162.5	183.3	148.0
87.5°	67.7	82.1	150.8	302.4	477.5	460.4	87.6	56.0	79.4	67.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P940279  
 CATALOG NUMBER: GALN-SB3B-735-U-T4FT

**CANDELA DISTRIBUTION (continued):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
2225.3	0°	2225.3	2225.3	2225.3	2225.3	2225.3	2225.3	2225.3	2225.3	2225.3	2225.3
2231.6	2.5°	2244.2	2258.7	2275.8	2301.1	2322.8	2340.8	2359.8	2371.5	2376.0	2389.6
2235.2	5°	2260.5	2292.1	2334.5	2376.0	2416.6	2441.0	2462.7	2473.5	2483.4	2490.7
2245.1	7.5°	2287.5	2328.2	2395.0	2449.1	2483.4	2503.3	2517.7	2514.1	2517.7	2519.5
2255.9	10°	2311.0	2367.9	2447.3	2498.8	2525.0	2525.9	2522.3	2509.6	2503.3	2504.2
2272.2	12.5°	2339.0	2402.2	2488.0	2531.3	2538.5	2518.6	2503.3	2481.6	2473.5	2469.9
2296.6	15°	2376.9	2449.1	2532.2	2548.4	2530.4	2505.1	2478.9	2443.7	2425.7	2411.2
2338.1	17.5°	2423.0	2502.4	2566.5	2554.8	2515.9	2474.4	2432.0	2378.7	2341.7	2326.4
2395.0	20°	2487.0	2558.4	2592.7	2541.2	2482.5	2419.3	2347.1	2282.1	2247.8	2232.5
2467.2	22.5°	2564.7	2633.3	2617.9	2517.7	2434.7	2333.6	2243.3	2195.5	2178.3	2167.5
2560.2	25°	2657.7	2716.3	2636.0	2483.4	2356.2	2219.8	2150.3	2135.0	2126.9	2118.7
2673.9	27.5°	2778.6	2810.2	2649.5	2432.9	2233.4	2098.9	2073.6	2076.3	2073.6	2060.1
2831.9	30°	2938.4	2932.1	2662.2	2350.7	2092.6	1989.6	1991.4	2003.2	2005.0	1996.0
3052.2	32.5°	3148.8	3084.7	2668.5	2244.2	1958.0	1893.9	1895.8	1908.4	1917.4	1902.1
3340.1	35°	3403.3	3262.5	2658.6	2110.6	1854.2	1802.8	1789.2	1792.8	1795.6	1781.1
3689.5	37.5°	3700.3	3462.0	2614.3	1962.6	1768.5	1713.4	1684.5	1660.1	1645.7	1632.2
4084.9	40°	4026.2	3679.6	2533.1	1818.1	1672.8	1618.6	1575.3	1529.2	1480.5	1462.4
4503.8	42.5°	4367.5	3903.4	2434.7	1680.0	1562.6	1518.4	1472.4	1405.6	1332.4	1295.4
4938.9	45°	4721.3	4132.7	2338.1	1543.7	1449.8	1430.8	1377.6	1297.2	1217.8	1170.9
5374.9	47.5°	5068.0	4349.4	2196.4	1406.5	1344.2	1364.9	1323.4	1249.4	1160.9	1086.9
5807.3	50°	5399.3	4552.5	1964.4	1267.4	1258.4	1345.1	1305.4	1198.8	1097.7	1002.9
6231.6	52.5°	5727.9	4716.8	1667.4	1141.1	1212.4	1339.7	1281.9	1164.5	1040.9	941.6
6630.6	55°	6006.8	4801.7	1381.2	1032.7	1145.6	1293.6	1253.9	1123.9	960.5	854.9
6904.2	57.5°	6165.7	4733.1	1142.9	926.2	1053.5	1217.8	1206.1	1037.2	864.8	783.6
6957.4	60°	6097.1	4455.0	947.9	833.2	965.9	1135.6	1123.0	951.5	791.7	715.0
6672.2	62.5°	5718.9	3925.1	793.5	752.0	886.5	1051.7	1040.0	885.6	735.7	661.7
5914.8	65°	4956.9	3193.0	673.4	684.3	806.1	950.6	967.7	830.5	691.5	619.3
4576.0	67.5°	3780.7	2312.8	579.6	625.6	727.6	851.3	900.9	790.8	654.5	585.9
2647.7	70°	2154.8	1313.5	500.1	568.7	658.1	759.2	849.5	759.2	614.8	557.9
992.1	72.5°	817.0	603.0	432.4	511.9	591.3	681.6	792.6	709.6	568.7	526.3
512.8	75°	436.0	367.4	363.8	445.1	514.6	605.7	721.3	660.8	534.4	556.1
354.8	77.5°	297.0	260.0	304.2	381.0	430.6	521.8	645.5	586.8	463.1	461.3
245.5	80°	205.8	184.2	247.4	306.9	333.1	438.7	563.3	503.7	377.3	352.1
151.7	82.5°	123.7	120.1	185.1	229.3	235.6	338.5	466.7	422.5	308.7	269.0
90.3	85°	67.7	71.3	118.3	134.5	137.2	236.5	365.6	326.8	237.4	199.5
32.5	87.5°	19.0	24.4	43.3	53.3	65.9	122.8	217.6	194.1	119.2	83.1
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>
2225.3
2388.7
2492.5
2522.3
2506.0
2468.1
2415.7
2327.3
2230.7
2169.3
2118.7
2062.8
2000.5
1909.3
1791.0
1641.2
1470.6
1299.9
1167.2
1078.8
994.8
930.7
845.9
772.7
704.1
650.0
607.5
575.0
550.7
519.1
574.1
425.2
336.7
270.8
201.3
83.1
0.0

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