

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: P940275

Luminaire Tested: **GALN-SB3B-735-U-T2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940275
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)
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-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16741 lumens
Efficiency: N/A
Efficacy: 153.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

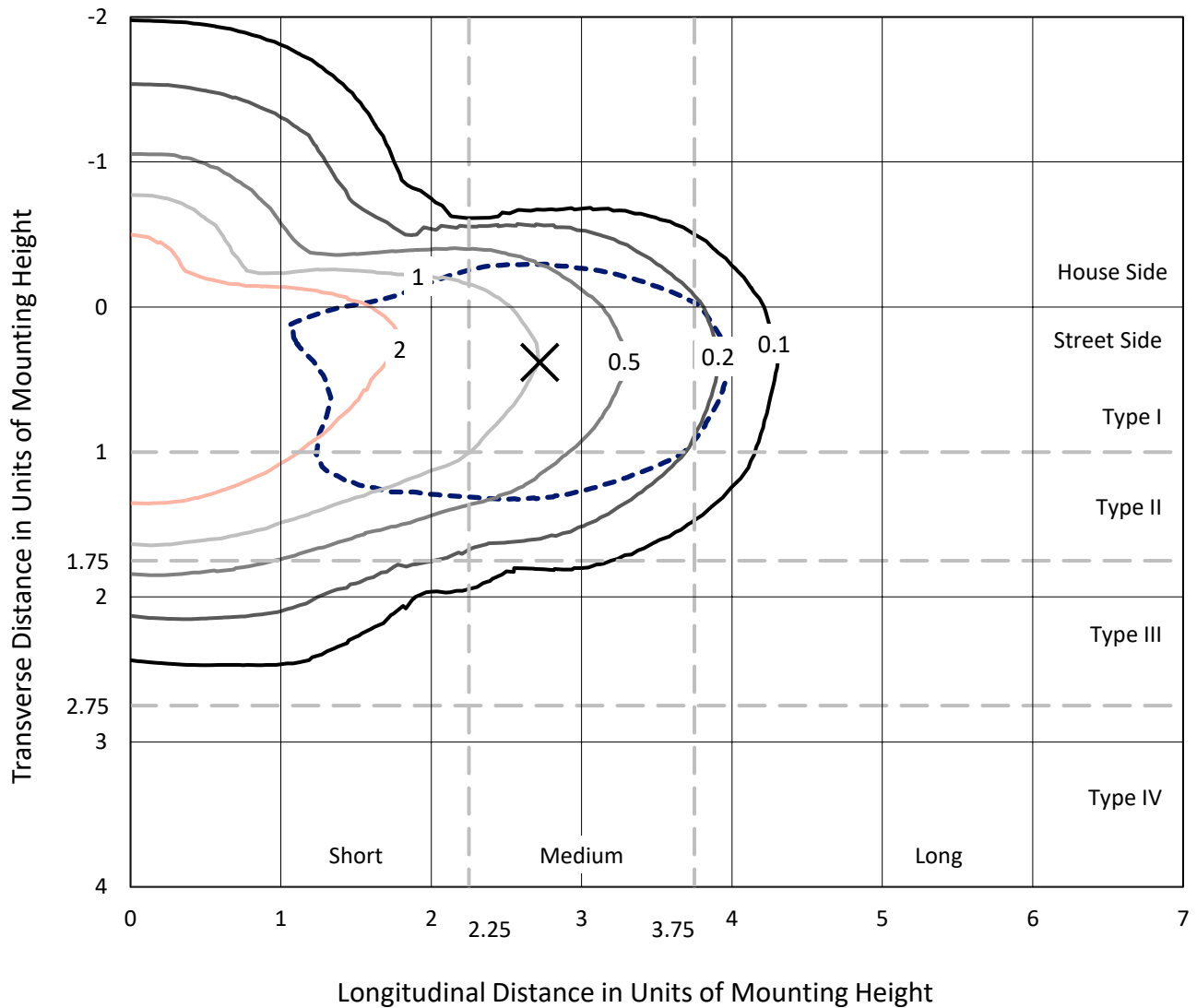
Input Watts (W): 109.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P940275
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Iso-Footcandle Lines of Horizontal Illumination

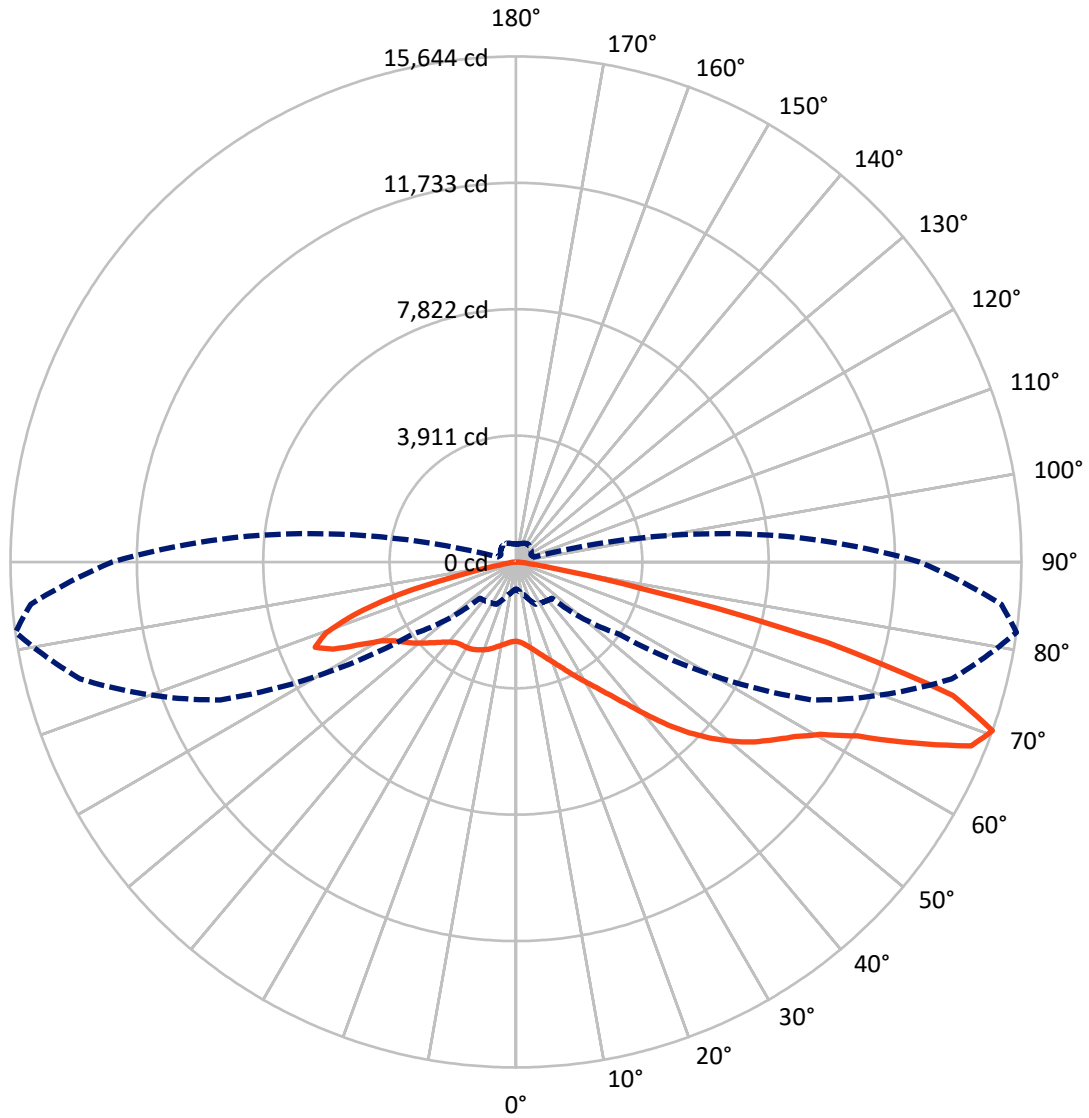
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.5 fc
 Type II - Medium - N/A

REPORT NUMBER: P940275
CATALOG NUMBER: GALN-SB3B-735-U-T2

Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P940275

CATALOG NUMBER: GALN-SB3B-735-U-T2

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4127.1	0.0	4127.1
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	12613.9	0.0	12613.9
	% Fixture	75.3	0.0	75.3
Total	Lumens	16741.0	0.0	16741.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	231.7	1.4
10°-20°	665.8	4.0
20°-30°	1113.8	6.7
30°-40°	1740.1	10.4
40°-50°	2771.3	16.6
50°-60°	3856.6	23.0
60°-70°	4034.2	24.1
70°-80°	2108.5	12.6
80°-90°	218.9	1.3
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°	16741.0	100.0
0°-180°	16741.0	100.0

Coefficient of Utilization



REPORT NUMBER: P940275

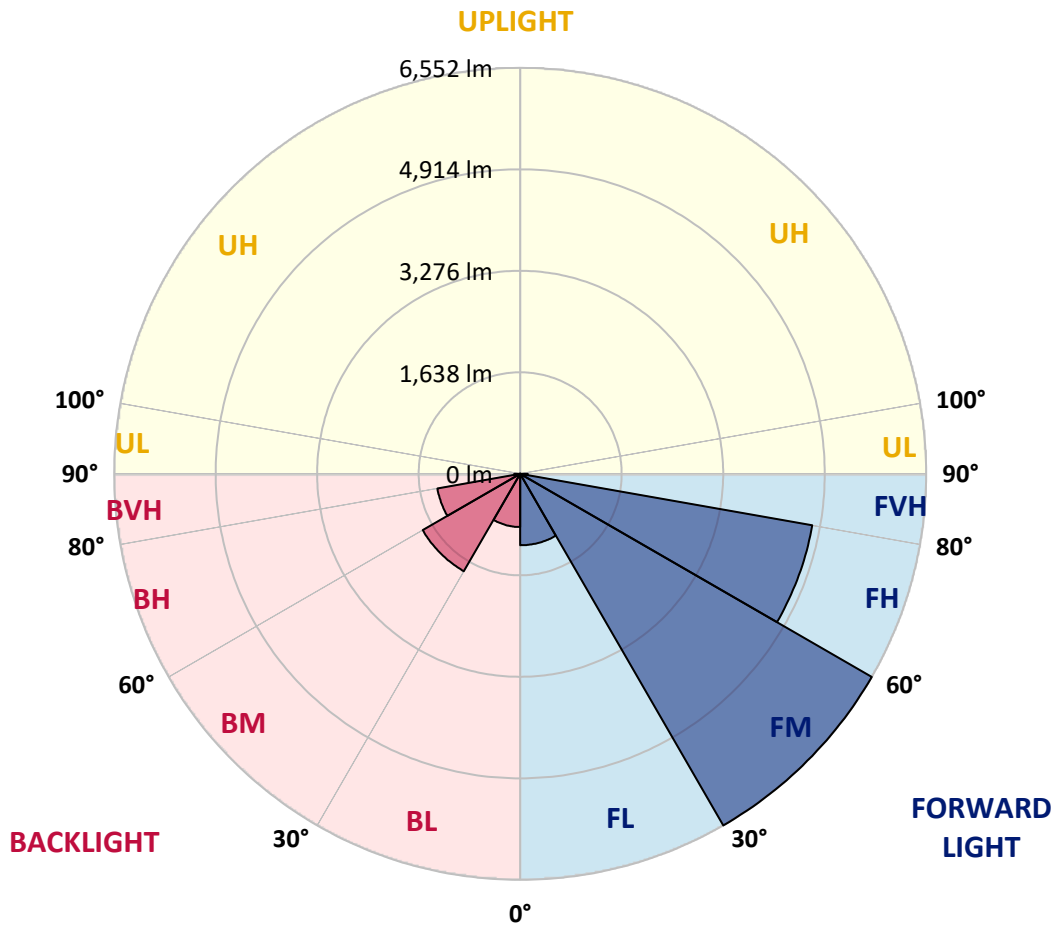
CATALOG NUMBER: GALN-SB3B-735-U-T2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1152.8	6.9			
FM (30°-60°)	6552.3	39.1			
FH (60°-80°)	4786.3	28.6			G2/5000
FVH (80°-90°)	122.6	0.7			G2/225
BL (0°-30°)	858.6	5.1	B2/1000		
BM (30°-60°)	1815.7	10.8	B2/2500		
BH (60°-80°)	1356.4	8.1	B3/2500		G3/2500
BVH (80°-90°)	96.4	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 Medium



REPORT NUMBER: P940275

CATALOG NUMBER: GALN-SB3B-735-U-T2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	2454.4	2454.4	2454.4	2454.4	2454.4	2454.4	2454.4	2454.4	2454.4	2454.4
2.5°	2513.1	2527.3	2522.8	2518.4	2518.4	2512.2	2511.3	2502.4	2495.3	2483.8
5°	2545.0	2560.2	2558.4	2561.9	2573.5	2576.1	2578.8	2573.5	2559.3	2545.0
7.5°	2516.6	2533.5	2538.8	2560.2	2595.7	2627.7	2651.6	2661.4	2648.1	2627.7
10°	2420.7	2439.3	2458.0	2508.6	2571.7	2647.2	2711.2	2749.4	2746.7	2727.2
12.5°	2226.1	2245.7	2285.7	2384.3	2499.7	2633.0	2752.0	2832.0	2859.5	2845.3
15°	2070.7	2087.6	2117.8	2219.0	2369.2	2571.7	2767.1	2922.6	2992.8	2984.8
17.5°	2066.2	2073.3	2092.0	2140.0	2255.5	2475.8	2751.1	3011.4	3145.6	3144.7
20°	2144.4	2147.1	2157.7	2167.5	2233.2	2402.9	2710.3	3085.2	3317.0	3317.0
22.5°	2252.8	2251.0	2261.7	2252.8	2284.8	2396.7	2684.5	3150.0	3508.0	3522.2
25°	2415.4	2406.5	2403.8	2383.4	2389.6	2454.4	2712.9	3223.7	3734.5	3763.8
27.5°	2632.1	2617.9	2608.1	2561.0	2545.0	2573.5	2800.0	3312.6	3986.8	4037.4
30°	2914.6	2888.8	2874.6	2792.9	2735.2	2739.6	2931.5	3430.7	4250.6	4332.4
32.5°	3300.1	3260.2	3222.0	3087.8	2982.1	2947.5	3101.1	3594.2	4536.7	4667.3
35°	3731.9	3699.9	3659.0	3452.0	3289.5	3209.5	3330.3	3822.5	4871.6	5078.5
37.5°	4147.6	4120.0	4139.6	3860.7	3651.0	3534.6	3630.6	4128.9	5284.6	5590.2
40°	4577.5	4556.2	4558.9	4292.4	4048.1	3917.5	3994.8	4513.6	5758.1	6198.7
42.5°	5044.8	5028.8	4975.5	4739.2	4464.7	4343.0	4414.1	4957.7	6266.2	6891.6
45°	5568.0	5558.2	5508.5	5237.6	4923.1	4786.3	4882.2	5448.1	6777.0	7543.6
47.5°	6020.2	6028.2	6022.0	5793.7	5467.6	5266.9	5381.5	5959.8	7252.3	8156.6
50°	6237.8	6279.6	6340.9	6269.8	6067.3	5862.9	5885.1	6453.7	7705.3	8731.3
52.5°	6124.1	6203.2	6370.2	6483.9	6562.1	6519.4	6459.9	6944.0	8131.7	9250.1
55°	5700.4	5811.4	6088.6	6363.1	6761.9	7071.9	7150.1	7487.7	8547.5	9706.7
57.5°	4928.4	5108.8	5357.5	5912.7	6584.3	7339.3	7954.9	8241.9	8988.1	10194.4
60°	3604.8	3846.4	4155.6	4981.7	5962.4	7196.3	8639.8	9400.2	9614.3	10826.0
62.5°	2307.0	2456.2	2740.5	3518.7	4645.9	6463.4	8849.5	10848.2	10675.9	11861.8
65°	1579.4	1675.4	1935.7	2372.7	3003.4	4811.2	8288.1	11933.7	12361.9	13503.4
67.5°	1147.7	1220.6	1442.6	1825.5	1957.0	2847.1	6431.5	11884.0	14000.9	15194.8
70°	836.8	888.3	1074.9	1442.6	1505.7	1583.9	3896.2	10102.0	13965.3	15644.3
72.5°	620.1	655.6	780.8	1119.3	1218.8	1069.5	1928.6	7342.0	12000.4	14150.1
75°	448.6	475.3	567.6	856.3	975.4	814.6	962.1	4290.6	8370.7	9953.7
77.5°	342.9	363.3	423.7	627.2	780.8	611.2	597.0	1973.9	3969.0	3988.6
80°	275.4	288.7	321.6	441.5	598.7	457.5	389.1	796.8	1254.3	1061.5
82.5°	202.5	224.7	271.8	310.0	428.2	315.4	237.2	402.4	477.0	410.4
85°	115.5	130.6	164.3	222.1	273.6	192.8	135.9	178.6	222.1	182.1
87.5°	40.9	53.3	57.7	87.1	119.0	79.9	52.4	51.5	72.8	54.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P940275
 CATALOG NUMBER: GALN-SB3B-735-U-T2

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
2454.4	0°	2454.4	2454.4	2454.4	2454.4	2454.4	2454.4	2454.4	2454.4	2454.4	2454.4
2481.1	2.5°	2472.2	2467.8	2450.0	2426.0	2401.1	2377.2	2369.2	2352.3	2340.7	2334.5
2538.8	5°	2522.0	2507.7	2466.0	2412.7	2356.7	2296.3	2253.7	2214.6	2186.2	2159.5
2617.9	7.5°	2593.0	2568.1	2496.2	2402.9	2303.4	2203.0	2128.4	2071.6	2033.4	2008.5
2710.3	10°	2675.6	2637.4	2527.3	2387.8	2234.1	2090.2	2002.3	1953.4	1929.4	1916.1
2816.0	12.5°	2770.7	2716.5	2559.3	2353.2	2128.4	1964.1	1903.7	1889.5	1890.4	1891.2
2949.2	15°	2887.9	2812.4	2585.0	2277.7	1990.7	1867.3	1856.6	1879.7	1903.7	1915.2
3100.3	17.5°	3020.3	2913.7	2589.5	2153.3	1855.7	1805.1	1838.8	1888.6	1925.0	1941.0
3269.0	20°	3162.4	3016.7	2557.5	1977.4	1744.7	1754.4	1814.8	1878.8	1918.8	1939.2
3461.8	22.5°	3325.0	3126.9	2481.1	1792.6	1654.1	1699.4	1770.4	1832.6	1874.4	1894.8
3688.3	25°	3510.7	3250.4	2361.2	1637.2	1575.9	1637.2	1708.2	1759.8	1793.5	1812.2
3941.5	27.5°	3716.7	3379.2	2201.3	1513.7	1507.5	1573.2	1631.9	1671.8	1689.6	1703.8
4210.7	30°	3923.7	3496.4	2007.6	1420.4	1448.0	1510.2	1551.9	1569.7	1575.0	1577.7
4510.9	32.5°	4147.6	3597.7	1804.2	1343.1	1391.1	1448.9	1473.7	1481.7	1456.9	1440.0
4875.1	35°	4418.5	3706.1	1605.2	1281.9	1335.2	1384.9	1392.9	1385.8	1356.5	1321.8
5331.7	37.5°	4753.4	3841.1	1446.2	1238.3	1282.7	1315.6	1305.8	1304.1	1306.7	1265.9
5880.7	40°	5163.8	4017.0	1329.8	1204.6	1240.1	1247.2	1219.7	1234.8	1248.1	1185.9
6483.0	42.5°	5619.5	4229.3	1256.1	1181.5	1204.6	1187.7	1145.0	1161.9	1160.2	1078.4
7087.9	45°	6084.1	4460.3	1230.3	1164.6	1171.7	1137.9	1090.9	1095.3	1058.0	984.3
7668.0	47.5°	6546.1	4708.1	1246.3	1150.4	1130.8	1092.6	1056.2	1036.7	981.6	926.5
8224.1	50°	6999.1	4968.4	1304.9	1122.0	1074.9	1052.7	1026.0	991.4	932.7	885.7
8750.0	52.5°	7419.3	5230.5	1370.7	1074.9	1004.7	1018.0	1001.1	961.2	903.4	855.5
9247.5	55°	7817.3	5492.5	1396.4	1010.0	939.0	987.8	978.0	904.3	835.0	795.9
9768.0	57.5°	8250.8	5807.9	1368.0	927.4	885.7	953.2	915.9	834.1	794.2	764.8
10445.8	60°	8851.3	6302.7	1306.7	825.3	835.0	901.6	837.7	803.9	760.4	727.5
11462.0	62.5°	9848.9	7225.6	1208.1	724.0	775.5	825.3	800.4	766.6	722.2	690.2
13199.6	65°	11323.5	8508.4	1022.5	644.9	708.9	750.6	760.4	726.6	680.5	646.7
14722.2	67.5°	12567.1	9313.2	773.7	579.2	640.5	690.2	717.8	684.9	636.0	603.2
15078.4	70°	12498.7	8728.7	590.7	514.3	580.1	630.7	666.2	640.5	588.1	557.0
13696.2	72.5°	11101.4	7302.0	477.9	448.6	518.8	568.5	611.2	591.6	538.3	508.1
10033.6	75°	8155.7	5183.4	382.0	382.0	442.4	503.7	550.8	538.3	489.5	468.1
4212.4	77.5°	3437.8	2174.6	299.4	317.1	367.8	432.6	491.2	495.7	453.0	479.7
1114.0	80°	914.1	599.6	228.3	249.6	288.7	357.1	427.3	425.5	379.3	354.4
414.0	82.5°	348.2	236.3	162.6	175.9	208.8	273.6	338.5	349.1	302.9	262.1
162.6	85°	134.1	101.3	100.4	105.7	121.7	181.2	255.8	264.7	228.3	193.7
45.3	87.5°	34.6	30.2	37.3	35.5	56.0	96.8	146.6	151.9	139.5	80.8
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>
2454.4
2341.6
2170.2
2013.8
1919.7
1893.0
1914.3
1944.5
1944.5
1900.1
1817.5
1709.1
1583.9
1445.3
1323.6
1268.5
1187.7
1077.5
986.9
926.5
882.1
856.3
792.4
762.2
725.8
690.2
648.5
604.1
559.6
508.1
461.9
435.3
329.6
262.1
199.9
115.5
0.0

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