

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: P940444

Luminaire Tested: **GALN-SB3C-735-U-T2-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940444
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB3C-735-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16408 lumens
Efficiency: N/A
Efficacy: 110.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

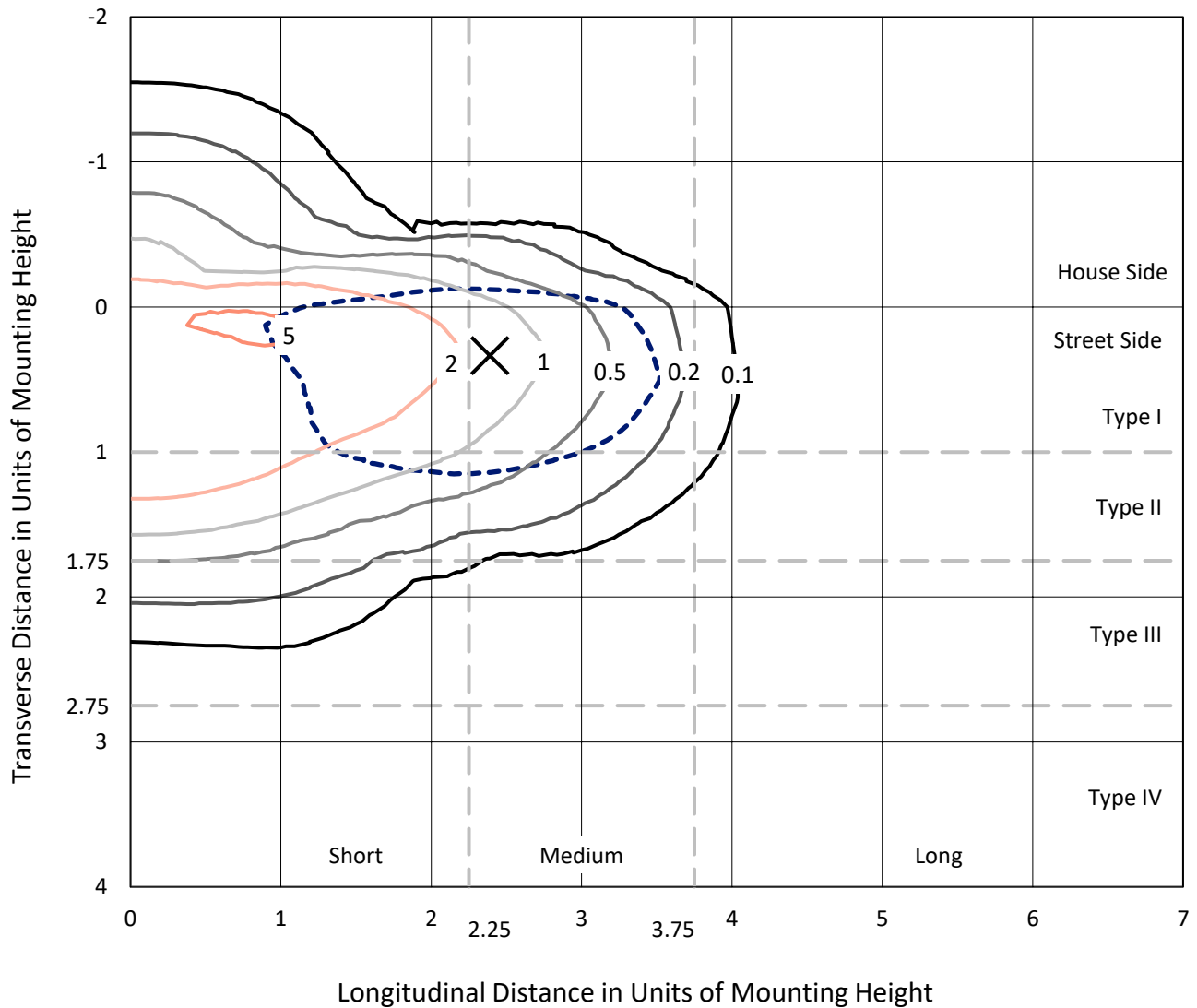
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P940444
 CATALOG NUMBER: GALN-SB3C-735-U-T2-HSS

Iso-Footcandle Lines of Horizontal Illumination

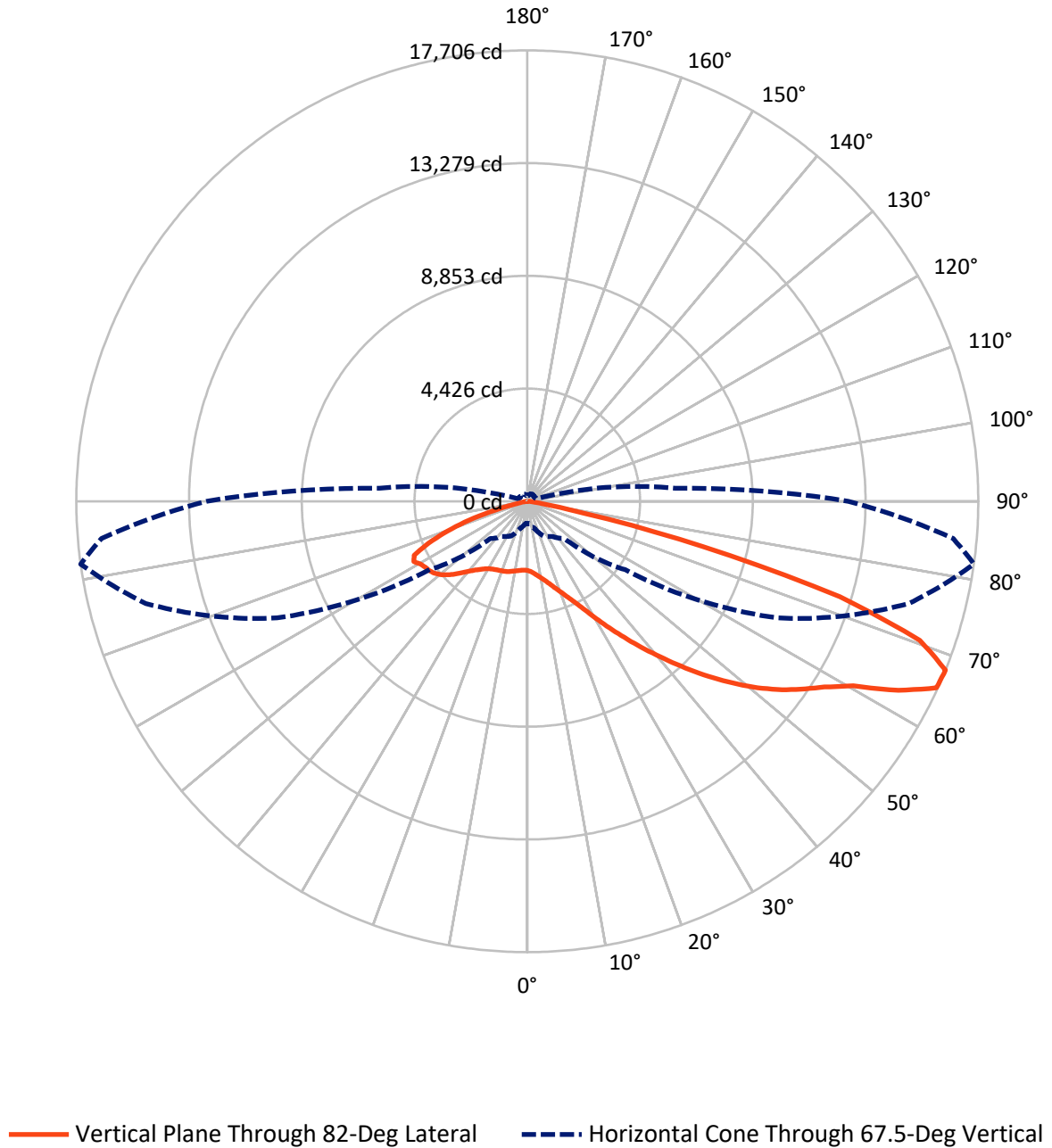
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.7 fc
 Type II - Medium - N/A

REPORT NUMBER: P940444
CATALOG NUMBER: GALN-SB3C-735-U-T2-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P940444

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2972.2	0.0	2972.2
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	13435.8	0.0	13435.8
	% Fixture	81.9	0.0	81.9
Total	Lumens	16408.0	0.0	16408.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	242.2	1.5
10°-20°	629.3	3.8
20°-30°	1008.0	6.1
30°-40°	1782.4	10.9
40°-50°	3122.9	19.0
50°-60°	4165.1	25.4
60°-70°	3877.5	23.6
70°-80°	1488.2	9.1
80°-90°	92.4	0.6
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°	16408.0	100.0
0°-180°	16408.0	100.0

Coefficient of Utilization



REPORT NUMBER: P940444

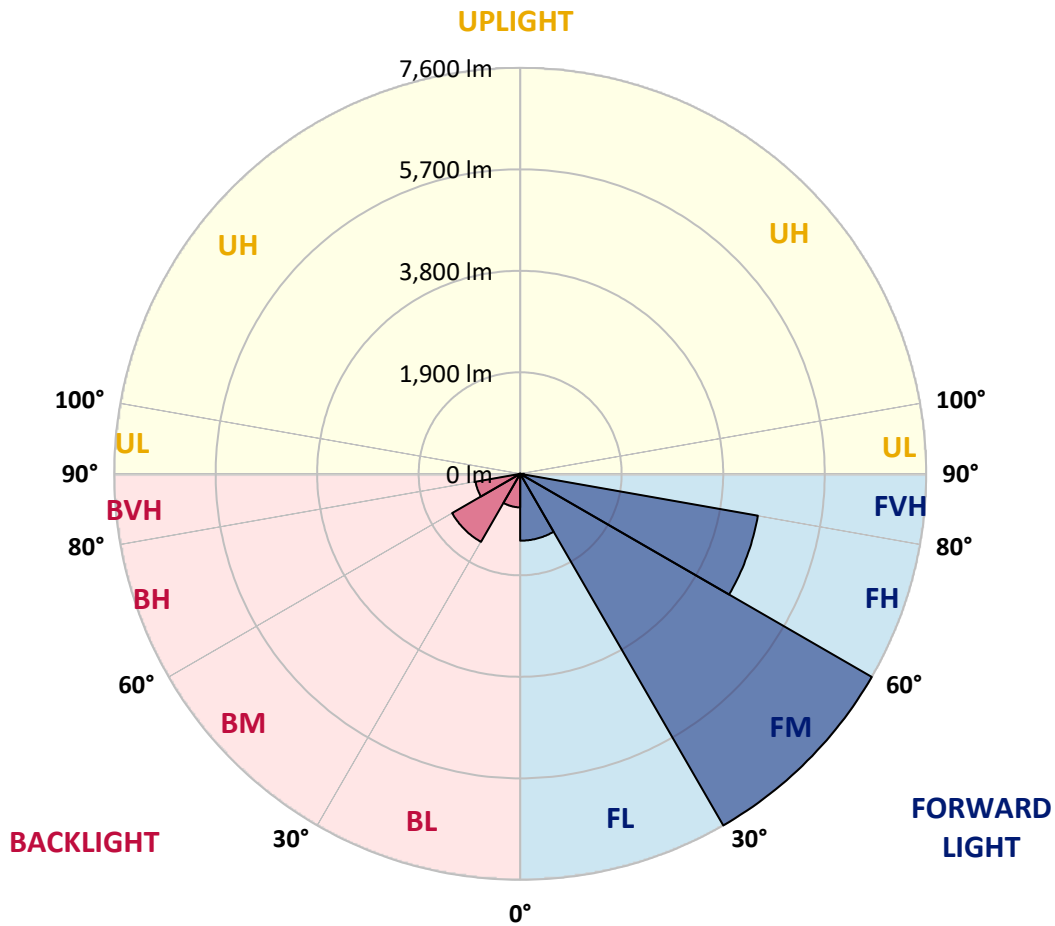
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1251.7	7.6			
FM (30°-60°)	7599.5	46.3			
FH (60°-80°)	4517.4	27.5			G2/5000
FVH (80°-90°)	67.2	0.4			G1/100
BL (0°-30°)	627.7	3.8	B2/1000		
BM (30°-60°)	1470.9	9.0	B2/2500		
BH (60°-80°)	848.3	5.2	B2/1000		G2/1000
BVH (80°-90°)	25.2	0.2			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 II Medium



REPORT NUMBER: P940444

CATALOG NUMBER: GALN-SB3C-735-U-T2-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	2718.3	2718.3	2718.3	2718.3	2718.3	2718.3	2718.3	2718.3	2718.3	2718.3
2.5°	2873.0	2889.5	2880.1	2875.4	2867.1	2855.3	2845.8	2816.3	2785.6	2765.5
5°	2930.9	2947.4	2946.2	2951.0	2956.9	2960.4	2958.1	2925.0	2881.3	2847.0
7.5°	2881.3	2900.2	2915.5	2939.2	2980.5	3024.2	3045.5	3038.4	2993.5	2946.2
10°	2740.7	2760.8	2797.4	2852.9	2940.3	3034.8	3114.0	3150.6	3122.3	3070.3
12.5°	2483.2	2503.2	2575.3	2695.8	2842.3	3006.5	3157.7	3255.8	3262.8	3210.9
15°	2193.7	2213.8	2290.6	2441.8	2665.1	2928.5	3181.3	3366.8	3429.4	3384.5
17.5°	2014.2	2031.9	2089.8	2211.5	2444.2	2772.6	3173.1	3484.9	3627.9	3592.4
20°	1959.8	1975.2	2002.4	2087.4	2281.2	2610.7	3118.7	3596.0	3841.7	3821.6
22.5°	2017.7	2031.9	2040.2	2078.0	2199.6	2504.4	3050.2	3709.4	4089.8	4092.1
25°	2151.2	2165.4	2155.9	2179.6	2232.7	2471.4	3024.2	3842.9	4401.7	4427.6
27.5°	2370.9	2372.1	2349.7	2348.5	2356.8	2521.0	3051.4	3985.8	4795.0	4843.5
30°	2811.6	2793.9	2707.6	2614.3	2571.8	2669.8	3127.0	4154.8	5259.3	5345.5
32.5°	3490.8	3464.9	3306.6	3083.3	2858.8	2909.6	3262.8	4347.3	5764.9	5920.8
35°	4228.0	4220.9	4055.5	3723.6	3331.4	3251.0	3483.8	4600.1	6316.6	6564.7
37.5°	4913.2	4909.6	4815.1	4424.1	3946.8	3727.1	3838.2	4930.9	6907.3	7266.4
40°	5539.3	5549.9	5455.4	5105.7	4624.9	4337.9	4320.1	5339.6	7564.1	8030.7
42.5°	6080.3	6092.1	5996.5	5737.7	5294.7	5013.6	4912.0	5840.5	8205.5	8851.7
45°	6447.7	6521.0	6506.8	6300.1	5982.3	5690.5	5623.2	6469.0	8936.8	9722.4
47.5°	6551.7	6619.0	6725.3	6753.7	6559.9	6272.9	6353.2	7226.2	9676.3	10594.2
50°	6295.3	6357.9	6578.9	6873.0	7007.7	6919.1	7063.2	8037.8	10433.5	11463.7
52.5°	5789.7	5853.5	6132.3	6597.8	7147.1	7425.9	7775.5	8837.6	11167.2	12287.1
55°	5058.5	5125.8	5483.8	6010.6	6881.3	7635.0	8369.8	9636.1	11839.3	13027.8
57.5°	4063.8	4113.4	4485.5	5222.7	6212.6	7427.0	8808.0	10508.0	12472.5	13755.5
60°	2648.6	2692.3	3124.6	3946.8	5104.5	6732.4	8895.4	11480.2	13313.6	14701.7
62.5°	1761.4	1790.9	2047.3	2650.9	3594.8	5398.7	8383.9	12256.3	14547.0	16348.5
65°	1208.5	1238.0	1494.4	1914.9	2322.5	3571.2	6913.2	12153.6	15664.5	17656.2
67.5°	862.4	887.2	1104.5	1501.5	1681.0	2074.4	4686.4	10839.9	15503.8	17705.8
70°	617.8	632.0	811.6	1169.5	1336.1	1246.3	2606.0	8290.6	13574.7	16349.7
72.5°	432.4	437.1	563.5	890.7	1076.2	909.6	1240.4	5527.5	10267.0	12832.8
75°	293.0	298.9	379.2	653.3	863.6	694.6	656.8	2964.0	6027.2	7103.4
77.5°	179.6	181.9	244.5	446.5	646.2	529.2	422.9	1255.8	2332.0	2289.4
80°	101.6	101.6	155.9	277.6	440.6	341.4	296.5	534.0	738.3	648.6
82.5°	56.7	57.9	113.4	172.5	291.8	202.0	163.0	246.9	319.0	282.3
85°	23.6	26.0	69.7	81.5	139.4	100.4	66.2	104.0	118.1	105.1
87.5°	2.4	3.5	21.3	15.4	16.5	20.1	9.5	20.1	16.5	16.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P940444
 CATALOG NUMBER: GALN-SB3C-735-U-T2-HSS

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
2718.3	0°	2718.3	2718.3	2718.3	2718.3	2718.3	2718.3	2718.3	2718.3	2718.3	2718.3
2758.4	2.5°	2736.0	2718.3	2673.4	2621.4	2552.9	2519.8	2474.9	2444.2	2418.2	2420.6
2826.9	5°	2789.1	2744.2	2643.8	2518.6	2362.7	2251.6	2133.5	2052.0	1985.8	1971.6
2921.4	7.5°	2862.4	2791.5	2615.5	2389.8	2126.4	1926.8	1748.4	1633.8	1552.3	1526.3
3036.0	10°	2956.9	2854.1	2578.9	2228.0	1848.8	1594.8	1403.4	1313.6	1258.1	1239.2
3170.7	12.5°	3066.7	2926.2	2530.4	2030.7	1562.9	1318.4	1196.7	1151.8	1134.1	1128.2
3336.1	15°	3205.0	3015.9	2457.2	1796.8	1320.7	1149.4	1097.5	1091.6	1093.9	1091.6
3534.6	17.5°	3369.2	3114.0	2337.9	1555.8	1157.7	1063.2	1044.3	1049.0	1054.9	1053.8
3756.6	20°	3548.7	3210.9	2185.5	1342.0	1046.7	1001.8	991.1	995.9	1000.6	998.2
4013.0	22.5°	3753.1	3314.8	2016.5	1175.4	972.2	945.1	933.3	934.4	934.4	929.7
4337.9	25°	3997.6	3429.4	1839.3	1057.3	915.5	894.3	880.1	875.4	868.3	854.1
4732.4	27.5°	4289.4	3551.1	1669.2	974.6	870.6	850.6	834.0	822.2	804.5	780.9
5206.1	30°	4617.8	3698.8	1525.1	922.6	835.2	815.1	796.2	778.5	752.5	723.0
5750.7	32.5°	5004.1	3857.1	1420.0	888.4	803.3	782.0	759.6	738.3	710.0	680.4
6362.7	35°	5464.9	4048.4	1358.5	864.7	778.5	750.1	725.3	701.7	680.4	654.5
7027.8	37.5°	5964.6	4251.6	1339.6	852.9	762.0	718.3	689.9	673.4	671.0	655.6
7747.2	40°	6511.5	4492.6	1353.8	845.8	744.2	687.5	656.8	653.3	659.2	632.0
8516.2	42.5°	7090.4	4778.5	1377.4	837.6	719.4	656.8	627.3	627.3	622.6	584.8
9329.0	45°	7716.5	5108.1	1401.1	817.5	689.9	626.1	603.7	595.4	575.3	538.7
10146.5	47.5°	8347.3	5443.6	1418.8	780.9	654.5	600.1	580.0	561.1	531.6	498.5
10948.6	50°	8946.2	5744.8	1399.9	726.5	614.3	575.3	554.0	528.1	496.2	473.7
11708.2	52.5°	9481.4	6005.9	1319.6	662.7	571.8	549.3	530.4	503.2	477.3	453.6
12393.4	55°	9946.8	6217.4	1177.8	602.5	534.0	526.9	508.0	473.7	438.3	418.2
13072.6	57.5°	10393.4	6378.0	1000.6	552.9	499.7	502.1	473.7	443.0	409.9	388.7
13988.2	60°	10987.6	6593.0	821.0	506.8	463.1	470.2	439.5	417.0	375.7	348.5
15558.2	62.5°	11937.4	6927.3	652.1	450.1	420.6	422.9	409.9	382.8	333.1	301.2
16721.8	65°	12691.1	6804.5	513.9	388.7	372.1	375.7	375.7	346.1	293.0	256.3
16784.4	67.5°	12606.0	5826.3	409.9	328.4	326.0	328.4	336.7	311.9	259.9	230.4
15506.2	70°	11612.5	4634.4	328.4	272.9	283.5	277.6	301.2	284.7	233.9	204.4
12021.3	72.5°	9475.5	3338.5	250.4	225.6	217.4	226.8	271.7	256.3	194.9	161.8
6367.4	75°	5536.9	1781.5	186.7	178.4	157.1	189.0	241.0	218.5	148.8	119.3
1951.6	77.5°	1802.7	621.4	137.0	131.1	117.0	152.4	205.6	184.3	121.7	94.5
571.8	80°	483.2	187.8	93.3	86.2	75.6	113.4	163.0	146.5	87.4	61.4
245.7	82.5°	193.7	79.1	54.3	48.4	41.3	78.0	128.8	118.1	65.0	39.0
76.8	85°	62.6	26.0	20.1	15.4	18.9	48.4	76.8	80.3	46.1	20.1
11.8	87.5°	8.3	3.5	3.5	4.7	3.5	8.3	23.6	22.4	13.0	2.4
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

180°
2718.3
2396.9
1939.8
1500.3
1225.0
1124.6
1090.4
1051.4
997.0
927.3
851.7
778.5
720.6
681.6
652.1
654.5
633.2
584.8
537.5
497.3
470.2
451.3
415.8
386.3
344.9
298.9
252.8
225.6
200.8
158.3
115.8
91.0
60.2
39.0
15.4
0.0
0.0

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