

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: P952052

Luminaire Tested: **GALN-SB6A-735-U-T4W-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952052
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB6A-735-U-T4W-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV WIDE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20953 lumens
Efficiency: N/A
Efficacy: 122.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G4

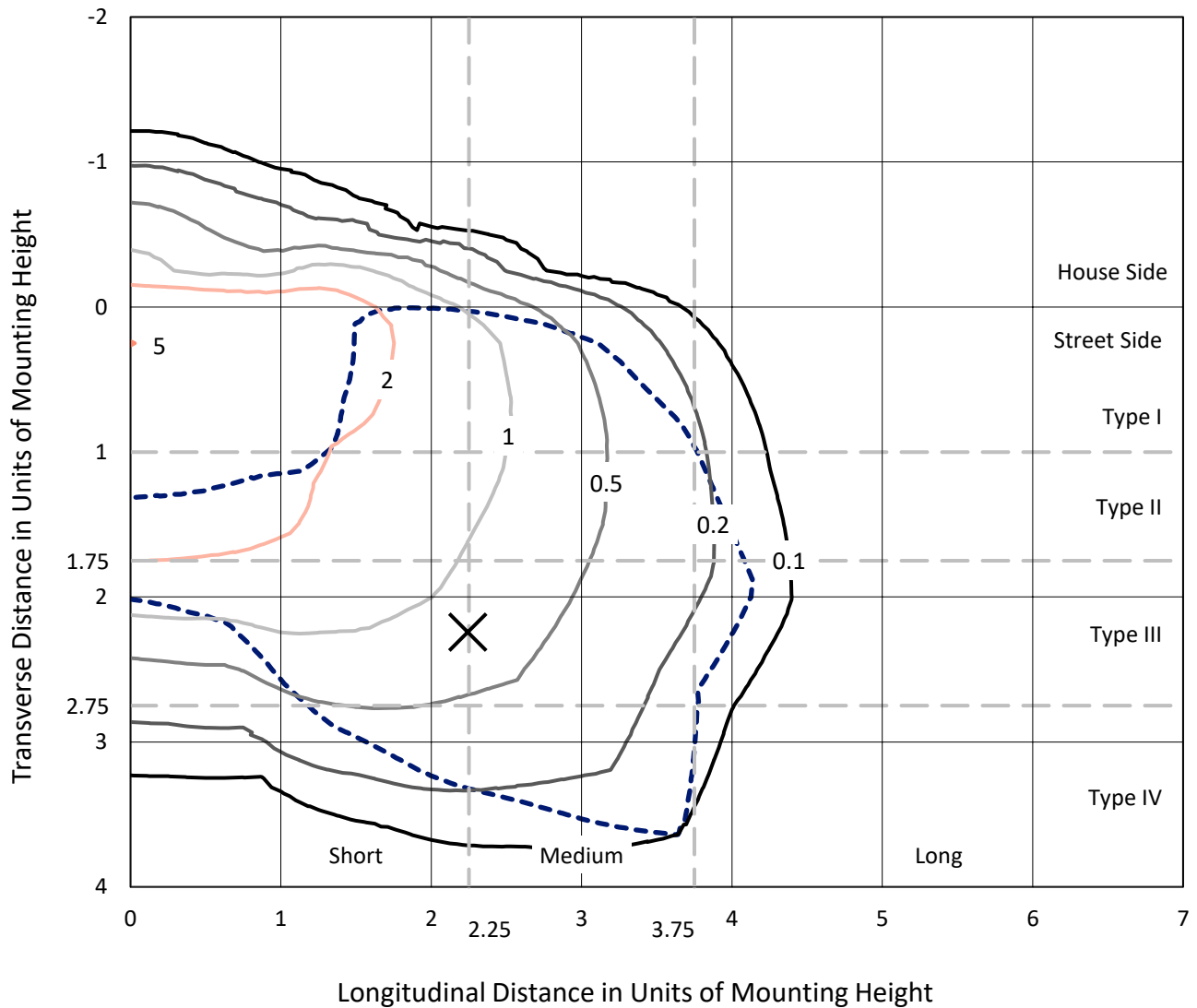
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P952052
 CATALOG NUMBER: GALN-SB6A-735-U-T4W-HSS

Iso-Footcandle Lines of Horizontal Illumination

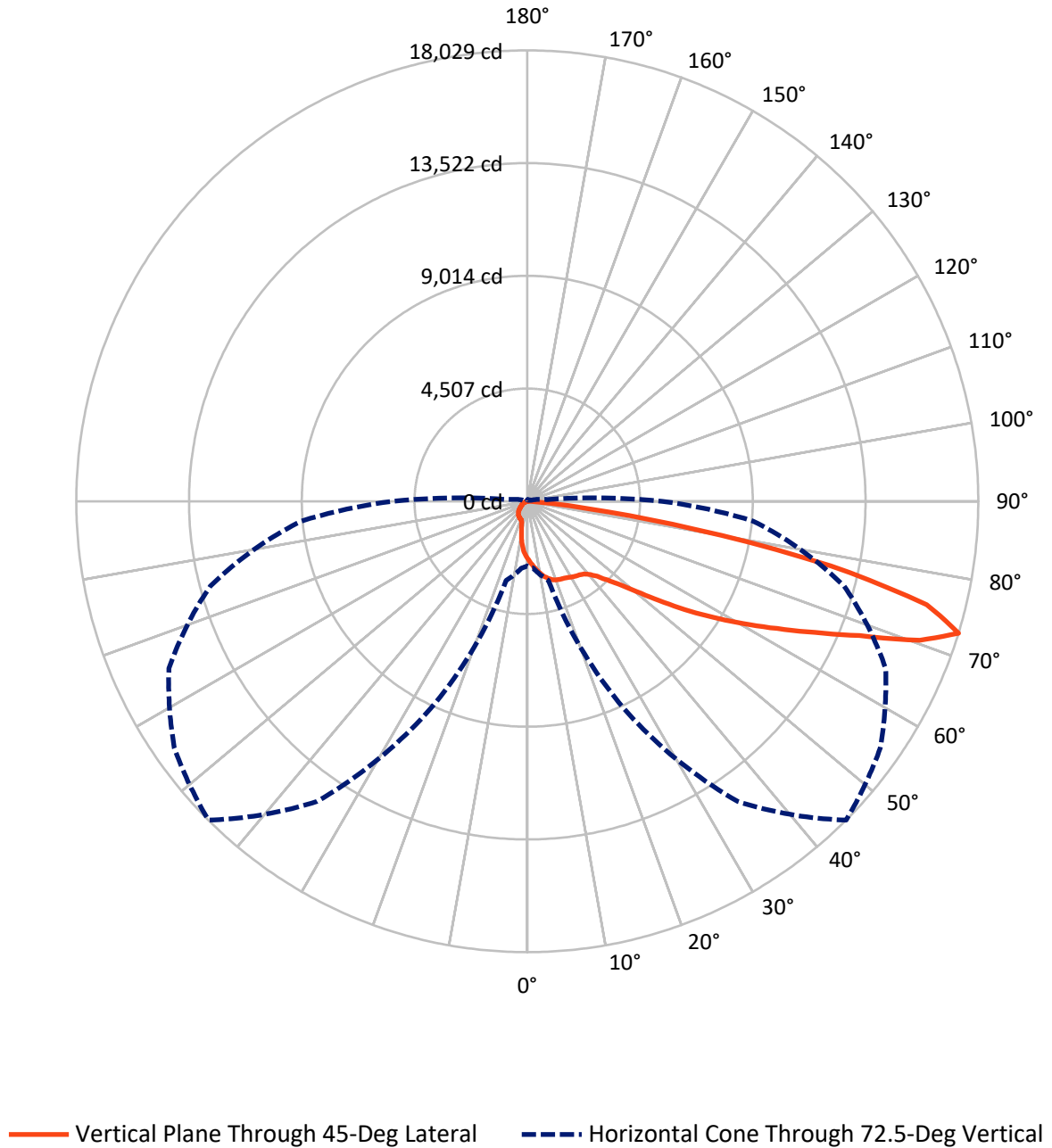
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5 fc
 Type IV - Short - N/A

REPORT NUMBER: P952052
CATALOG NUMBER: GALN-SB6A-735-U-T4W-HSS

Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2201.6	0.0	2201.6
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	18751.4	0.0	18751.4
	% Fixture	89.5	0.0	89.5
Total	Lumens	20953.0	0.0	20953.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	216.3	1.0
10°-20°	632.1	3.0
20°-30°	1038.0	5.0
30°-40°	1472.1	7.0
40°-50°	2433.2	11.6
50°-60°	4371.0	20.9
60°-70°	6069.4	29.0
70°-80°	4402.6	21.0
80°-90°	318.3	1.5
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°	20953.0	100.0
0°-180°	20953.0	100.0



REPORT NUMBER: P952052

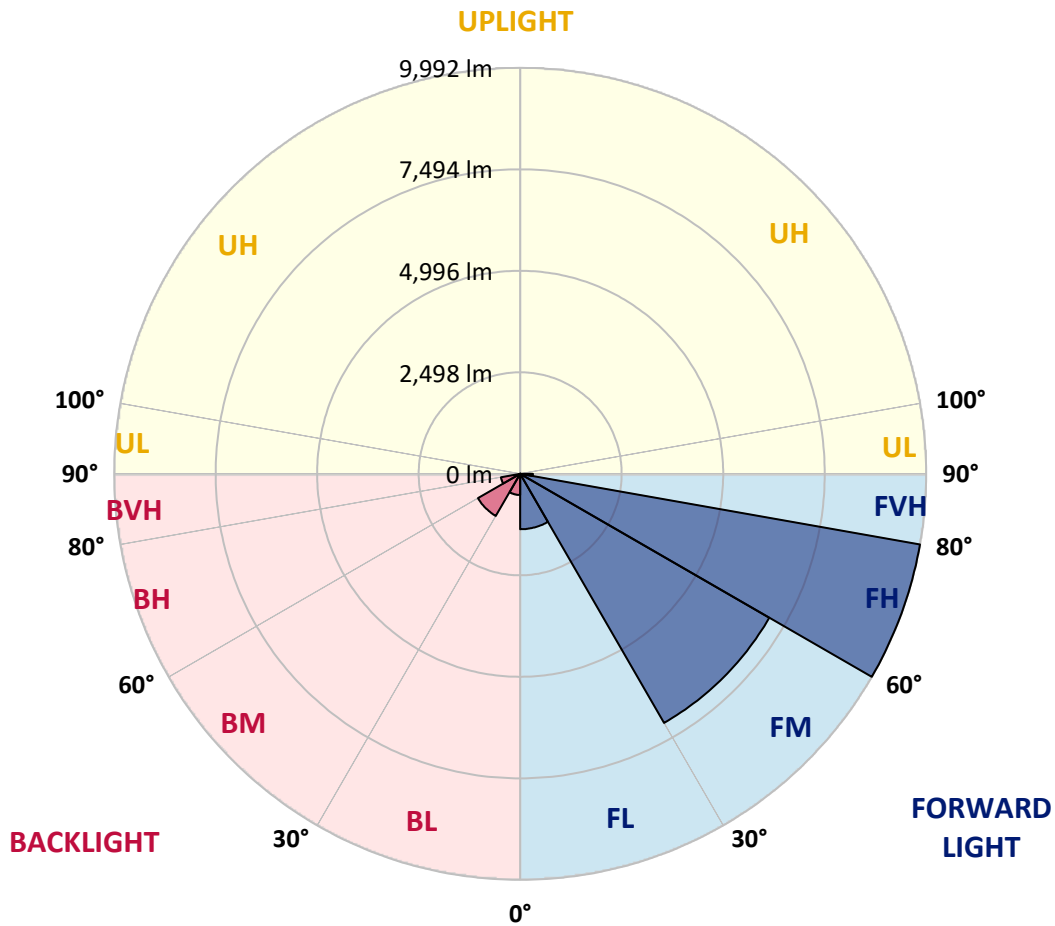
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1364.9	6.5			
FM (30°-60°)	7079.0	33.8			
FH (60°-80°)	9991.9	47.7			G4/12000
FVH (80°-90°)	315.6	1.5			G3/500
BL (0°-30°)	521.5	2.5	B2/1000		
BM (30°-60°)	1197.3	5.7	B2/2500		
BH (60°-80°)	480.1	2.3	B1/500		G1/500
BVH (80°-90°)	2.7	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G4

Type IV Short



REPORT NUMBER: P952052

CATALOG NUMBER: GALN-SB6A-735-U-T4W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°
0°	2295.4	2295.4	2295.4	2295.4	2295.4	2295.4	2295.4	2295.4	2295.4	2295.4
2.5°	2507.1	2511.4	2508.5	2491.4	2462.8	2447.0	2438.5	2409.9	2391.3	2358.4
5°	2737.4	2754.5	2744.5	2710.2	2655.9	2617.2	2605.8	2547.2	2494.2	2432.7
7.5°	2981.9	2990.5	2971.9	2927.6	2854.6	2788.9	2778.8	2697.3	2612.9	2518.6
10°	3193.6	3203.6	3175.0	3110.7	3027.7	2946.2	2931.9	2841.8	2741.7	2625.8
12.5°	3370.9	3381.0	3343.8	3266.5	3175.0	3090.6	3076.3	2981.9	2871.8	2743.1
15°	3505.4	3524.0	3473.9	3391.0	3292.3	3207.9	3200.8	3107.8	3000.5	2857.5
17.5°	3584.0	3602.6	3555.4	3455.3	3370.9	3299.4	3290.9	3213.6	3113.5	2976.2
20°	3596.9	3614.1	3564.0	3476.8	3406.7	3349.5	3345.2	3289.4	3216.5	3084.9
22.5°	3558.3	3579.8	3534.0	3463.9	3415.3	3385.2	3379.5	3348.1	3306.6	3195.0
25°	3518.3	3535.4	3501.1	3439.6	3413.8	3411.0	3415.3	3409.6	3401.0	3306.6
27.5°	3515.4	3534.0	3495.4	3436.7	3422.4	3452.5	3456.8	3483.9	3491.1	3408.1
30°	3539.7	3552.6	3515.4	3453.9	3446.7	3515.4	3516.8	3565.4	3576.9	3493.9
32.5°	3592.6	3606.9	3569.7	3479.6	3469.6	3565.4	3569.7	3634.1	3652.7	3585.5
35°	3717.0	3734.2	3691.3	3551.1	3515.4	3612.6	3625.5	3701.3	3738.5	3682.7
37.5°	4027.4	3977.3	3918.7	3695.6	3619.8	3687.0	3708.5	3797.1	3862.9	3798.6
40°	4798.3	4640.9	4457.9	3941.6	3802.9	3845.8	3862.9	3951.6	4041.7	3978.8
42.5°	5955.3	5769.4	5474.7	4507.9	4078.9	4100.3	4113.2	4190.4	4317.7	4267.7
45°	6986.5	6919.2	6618.9	5474.7	4595.2	4489.3	4505.1	4545.1	4732.5	4713.9
47.5°	7778.8	7740.2	7508.5	6584.6	5467.6	4965.6	5009.9	5028.5	5298.8	5364.6
50°	8388.0	8373.7	8166.4	7571.4	6607.5	5667.8	5683.6	5643.5	6048.2	6211.3
52.5°	8963.0	9011.6	8858.6	8488.1	7824.5	6587.4	6584.6	6395.8	6942.1	7188.1
55°	9482.1	9499.3	9515.0	9423.5	9048.8	7634.3	7607.2	7298.2	7979.0	8233.6
57.5°	9969.8	9977.0	10117.1	10304.5	10323.1	8758.4	8708.4	8338.0	9111.7	9293.3
60°	10297.3	10330.2	10626.3	11146.9	11374.3	9918.3	9891.2	9513.6	10264.4	10348.8
62.5°	9825.4	10025.6	10772.1	11804.7	12366.8	11204.1	11191.2	10836.5	11477.2	11408.6
65°	7953.3	8292.2	9605.1	12249.5	13340.8	12640.0	12658.6	12281.0	12722.9	12499.8
67.5°	5563.4	5921.0	7474.1	12285.3	14429.1	14326.2	14433.4	13841.3	14045.8	13545.3
70°	3847.2	4031.7	5042.8	11515.8	15277.2	16648.8	16645.9	15757.8	15361.6	14021.5
72.5°	2587.2	2683.0	3275.1	9136.0	14653.7	18028.9	17946.0	17222.3	15805.0	13113.4
75°	1091.2	1161.3	1516.0	5134.4	11593.1	16494.3	16269.8	15220.0	14043.0	10325.9
77.5°	346.1	376.1	597.8	1837.8	6385.8	12398.3	12160.9	9505.0	9412.0	5180.1
80°	164.5	191.6	336.1	738.0	2512.8	6743.3	6710.4	4312.0	4048.9	1398.7
82.5°	71.5	84.4	185.9	394.7	1124.1	2405.6	2454.2	1467.4	1214.2	530.6
85°	22.9	30.0	85.8	181.6	474.8	597.8	590.7	349.0	489.1	288.9
87.5°	0.0	0.0	28.6	41.5	48.6	34.3	38.6	30.0	135.9	80.1
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°
2295.4	0°	2295.4	2295.4	2295.4	2295.4	2295.4	2295.4	2295.4	2295.4	2295.4	2295.4
2324.0	2.5°	2306.9	2284.0	2244.0	2206.8	2173.9	2141.0	2121.0	2092.4	2089.5	2089.5
2361.2	5°	2322.6	2285.4	2213.9	2138.1	2050.9	1967.9	1885.0	1804.9	1779.1	1760.6
2421.3	7.5°	2368.4	2309.7	2196.8	2052.3	1886.4	1704.8	1577.5	1440.2	1387.3	1358.7
2501.4	10°	2434.2	2354.1	2182.5	1929.3	1660.4	1413.0	1231.4	1082.6	1025.4	1001.1
2588.6	12.5°	2507.1	2408.4	2156.7	1776.3	1413.0	1117.0	939.6	871.0	862.4	862.4
2693.0	15°	2594.4	2474.2	2112.4	1596.1	1154.2	883.9	820.9	823.8	832.4	838.1
2794.6	17.5°	2684.5	2544.3	2042.3	1394.4	925.3	795.2	796.6	800.9	808.1	813.8
2904.7	20°	2781.7	2614.4	1949.3	1179.9	793.8	769.4	773.7	778.0	783.7	786.6
3007.7	22.5°	2886.1	2680.2	1839.2	969.7	749.4	748.0	749.4	753.7	760.9	760.9
3127.8	25°	2997.7	2753.1	1713.4	816.6	726.5	726.5	729.4	732.3	738.0	738.0
3243.7	27.5°	3112.1	2820.3	1580.4	736.5	706.5	705.1	705.1	709.4	712.2	713.7
3358.1	30°	3237.9	2899.0	1447.3	719.4	690.8	683.6	679.3	682.2	685.1	686.5
3478.2	32.5°	3366.7	2974.8	1328.6	726.5	675.0	662.2	647.9	645.0	645.0	650.7
3602.6	35°	3509.7	3057.7	1237.1	750.8	666.5	630.7	607.8	595.0	596.4	605.0
3751.4	37.5°	3681.3	3157.8	1169.9	772.3	660.7	595.0	557.8	542.0	532.0	542.0
3955.9	40°	3905.8	3305.2	1121.3	789.5	653.6	553.5	503.4	477.7	459.1	464.8
4273.4	42.5°	4236.2	3536.8	1102.7	790.9	637.9	504.9	447.6	413.3	386.1	387.6
4751.1	45°	4699.6	3903.0	1198.5	772.3	603.5	451.9	389.0	343.2	326.1	321.8
5464.7	47.5°	5334.6	4436.4	1420.2	733.7	553.5	400.5	331.8	293.2	280.3	273.2
6401.5	50°	6185.5	5121.5	1666.2	690.8	503.4	351.8	284.6	260.3	251.7	244.6
7512.8	52.5°	7172.4	5816.6	1867.8	647.9	453.4	308.9	254.6	240.3	233.1	227.4
8585.4	55°	8077.7	6295.7	1856.4	602.1	404.7	274.6	233.1	224.5	216.0	210.2
9509.3	57.5°	8641.2	6362.9	1530.3	552.1	349.0	247.4	213.1	207.4	197.4	190.2
10308.8	60°	8900.0	5979.6	1072.6	486.3	293.2	221.7	191.6	188.8	175.9	165.9
11065.3	62.5°	8947.2	5267.4	715.1	404.7	244.6	197.4	170.2	165.9	148.7	131.6
11680.3	65°	8755.6	4249.1	494.8	316.1	208.8	171.6	145.9	137.3	118.7	101.5
11826.2	67.5°	8149.2	2983.4	344.7	227.4	177.3	135.9	115.8	113.0	98.7	84.4
11082.5	70°	7037.9	1700.5	230.3	170.2	140.2	93.0	91.5	94.4	80.1	68.6
9054.5	72.5°	5396.1	778.0	143.0	124.4	95.8	62.9	72.9	74.4	61.5	51.5
5649.2	75°	3176.4	333.2	90.1	80.1	48.6	41.5	52.9	54.3	41.5	32.9
2065.2	77.5°	1081.2	125.9	57.2	47.2	24.3	22.9	34.3	34.3	22.9	12.9
414.8	80°	246.0	47.2	28.6	18.6	11.4	10.0	11.4	10.0	5.7	1.4
127.3	82.5°	70.1	18.6	11.4	7.2	4.3	4.3	1.4	0.0	0.0	0.0
44.3	85°	20.0	8.6	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0
15.7	87.5°	8.6	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°
2295.4
2096.7
1769.1
1363.0
1001.1
862.4
838.1
813.8
788.0
763.7
739.4
715.1
689.3
655.0
609.3
539.2
461.9
381.9
316.1
268.9
243.1
226.0
207.4
188.8
163.0
123.0
95.8
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