

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: P947776

Luminaire Tested: **GALN-SB3A-740-U-SL2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P947776
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB3A-740-U-SL2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 4000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14153 lumens
Efficiency: N/A
Efficacy: 167.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

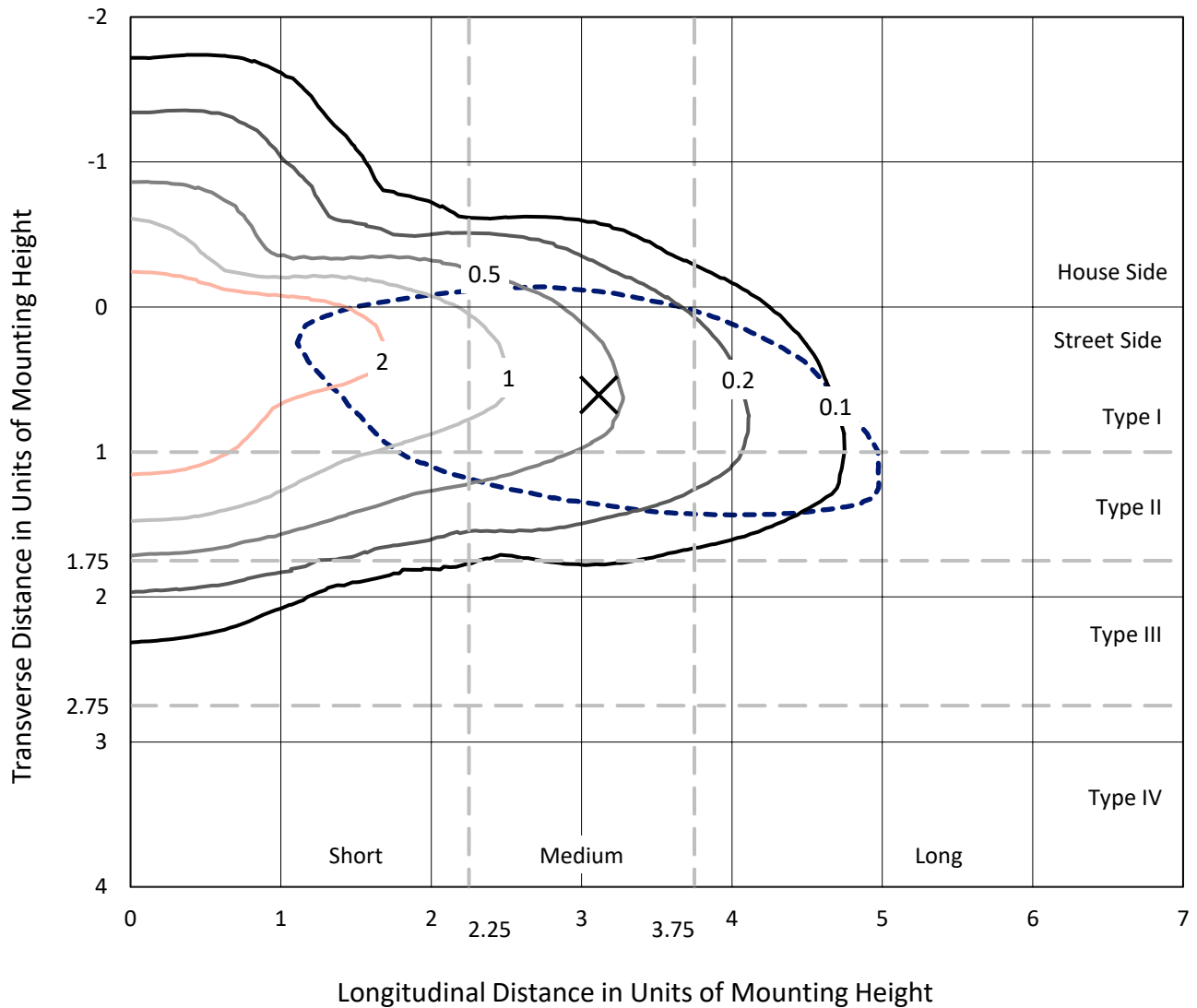
Input Watts (W): 84.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

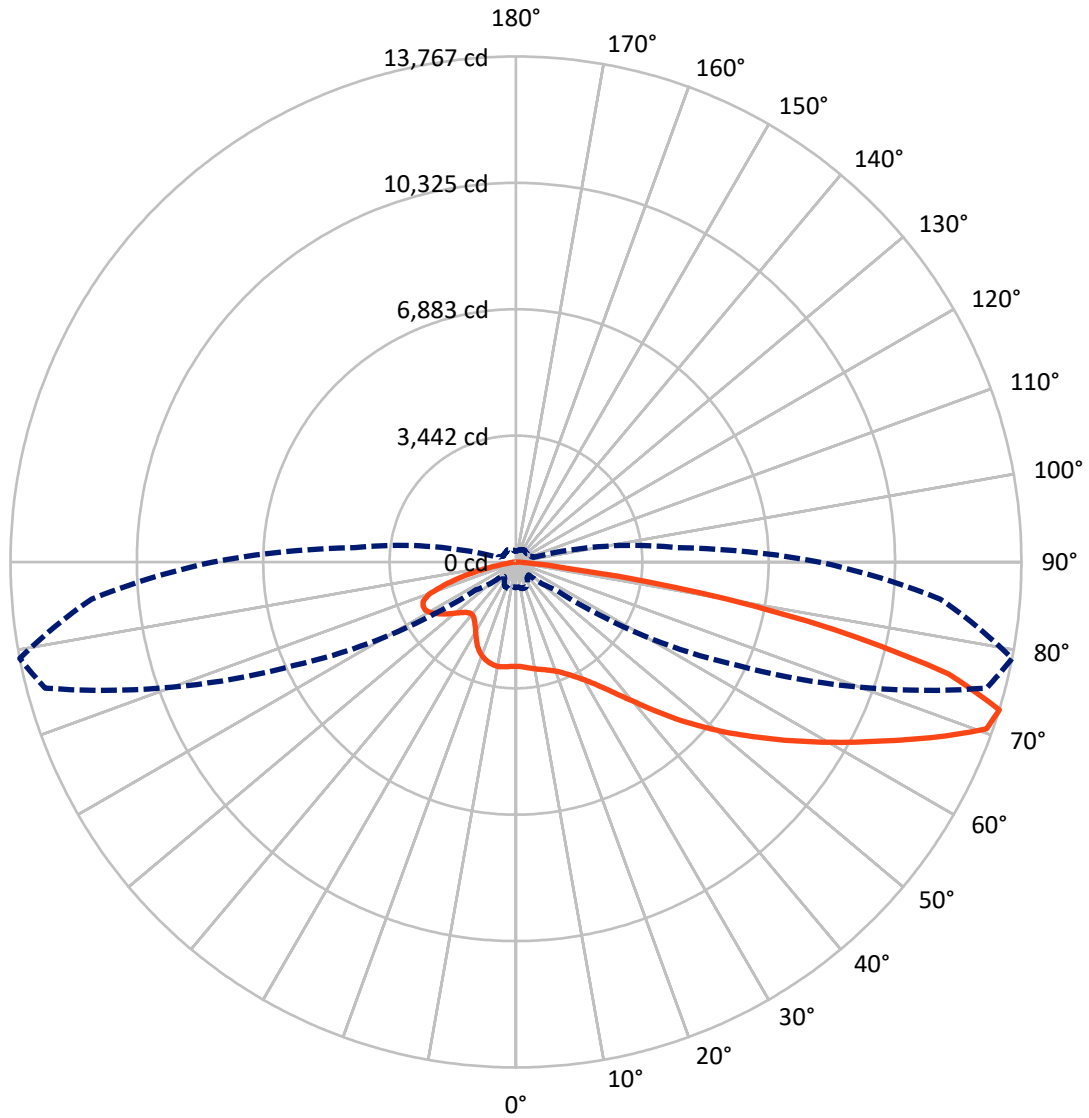
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.6 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3114.4	0.0	3114.4
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	11038.6	0.0	11038.6
	% Fixture	78.0	0.0	78.0
Total	Lumens	14153.0	0.0	14153.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	257.9	1.8
10°-20°	674.3	4.8
20°-30°	1088.0	7.7
30°-40°	1632.9	11.5
40°-50°	2316.3	16.4
50°-60°	2925.2	20.7
60°-70°	2971.0	21.0
70°-80°	2024.8	14.3
80°-90°	262.7	1.9
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°	14153.0	100.0
0°-180°	14153.0	100.0

Coefficient of Utilization



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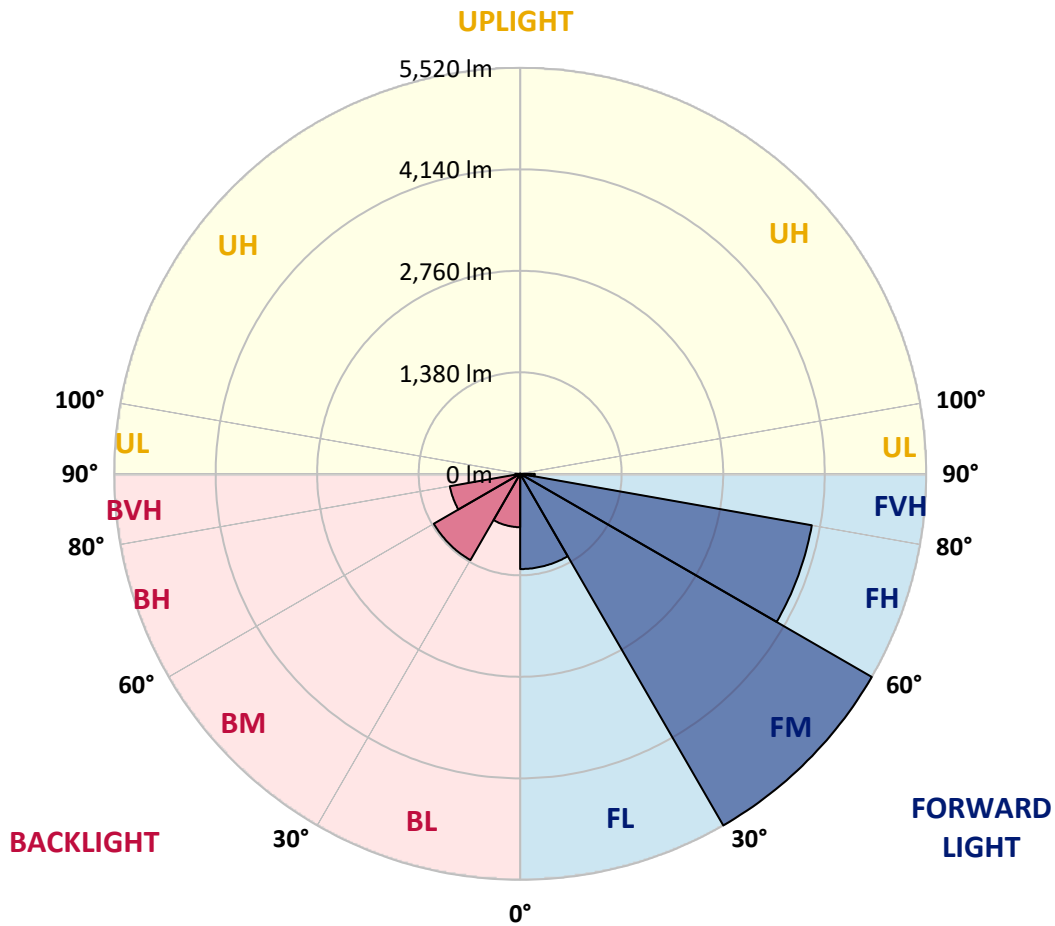
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1294.7	9.1			
FM (30°-60°)	5520.0	39.0			
FH (60°-80°)	4026.0	28.4			G2/5000
FVH (80°-90°)	197.9	1.4			G2/225
BL (0°-30°)	725.4	5.1	B2/1000		
BM (30°-60°)	1354.5	9.6	B2/2500		
BH (60°-80°)	969.7	6.9	B2/1000		G2/1000
BVH (80°-90°)	64.8	0.5			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



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°
0°	2841.1	2841.1	2841.1	2841.1	2841.1	2841.1	2841.1	2841.1	2841.1	2841.1
2.5°	2842.6	2829.1	2837.3	2834.3	2838.1	2842.6	2844.1	2846.3	2853.8	2853.1
5°	2836.6	2823.1	2834.3	2830.6	2840.3	2850.8	2859.8	2868.0	2880.0	2885.2
7.5°	2823.9	2814.9	2826.1	2837.3	2855.3	2871.0	2883.8	2902.5	2919.7	2922.7
10°	2749.7	2743.0	2769.2	2798.4	2847.8	2890.5	2918.2	2939.9	2958.6	2961.6
12.5°	2672.6	2664.4	2693.6	2733.3	2813.4	2890.5	2948.9	2977.3	2993.8	3003.5
15°	2659.9	2653.2	2669.6	2704.1	2770.7	2870.3	2969.8	3022.3	3036.5	3047.7
17.5°	2721.3	2708.6	2715.3	2727.3	2766.2	2851.6	2986.3	3073.2	3094.9	3106.8
20°	2863.5	2845.6	2835.1	2811.1	2804.4	2854.6	2984.8	3134.5	3163.0	3178.0
22.5°	3052.9	3041.0	3018.5	2957.9	2892.0	2891.2	3013.3	3213.2	3266.3	3280.5
25°	3282.0	3264.1	3235.6	3153.3	3026.7	2963.9	3061.2	3313.5	3402.6	3406.3
27.5°	3545.5	3518.6	3479.7	3371.1	3200.4	3077.6	3134.5	3428.8	3559.0	3557.5
30°	3823.3	3796.3	3755.2	3623.4	3408.5	3231.1	3236.4	3553.0	3744.7	3736.5
32.5°	4026.2	4006.0	3997.7	3895.9	3648.1	3412.3	3353.1	3690.8	3973.8	3966.3
35°	4181.9	4155.7	4165.4	4113.8	3909.4	3615.2	3496.1	3854.7	4252.3	4251.5
37.5°	4336.1	4312.9	4321.1	4286.7	4151.2	3872.7	3670.6	4055.4	4597.4	4613.9
40°	4476.9	4452.1	4485.1	4452.9	4339.1	4146.7	3869.0	4282.2	4997.2	5028.6
42.5°	4561.4	4542.0	4596.6	4597.4	4502.3	4378.0	4086.8	4532.3	5459.8	5530.2
45°	4590.6	4583.9	4666.3	4683.5	4646.8	4512.0	4283.0	4804.8	5958.4	6084.2
47.5°	4559.2	4546.5	4660.3	4723.9	4753.1	4574.9	4445.4	5099.7	6467.5	6651.6
50°	4400.5	4375.8	4545.0	4679.0	4783.0	4616.1	4609.4	5440.4	7046.2	7247.6
52.5°	4115.3	4096.5	4288.9	4521.8	4717.2	4636.3	4793.5	5812.4	7595.7	7856.2
55°	3750.7	3726.0	3937.8	4241.8	4553.2	4629.6	4977.7	6228.7	8244.0	8508.3
57.5°	3172.7	3123.3	3391.3	3750.7	4286.0	4621.3	5169.3	6642.7	8902.8	9219.5
60°	2329.8	2256.4	2585.0	3011.0	3763.4	4541.2	5406.7	7106.8	9693.4	9978.6
62.5°	1356.5	1313.9	1528.7	1926.2	2836.6	4069.6	5539.9	7646.6	10470.4	10769.9
65°	1053.3	1041.4	1060.1	1090.8	1578.9	3047.0	5128.9	8172.9	11458.6	11668.3
67.5°	963.5	954.5	962.7	905.1	801.0	1697.2	4057.6	8306.1	12517.2	12644.5
70°	856.4	846.0	872.9	823.5	630.4	771.8	2621.7	7822.5	13359.4	13598.3
72.5°	697.7	685.8	748.6	726.2	530.8	495.6	1316.9	6673.4	13271.1	13766.7
75°	536.0	529.3	604.2	622.9	432.7	390.0	631.9	4960.5	11678.7	12178.1
77.5°	416.2	411.0	449.2	517.3	348.9	302.4	388.5	3146.5	8801.0	8888.6
80°	312.2	297.2	332.4	400.5	271.8	220.8	263.5	1834.9	5563.1	5042.8
82.5°	195.4	187.9	217.1	267.3	191.7	152.0	171.4	1013.7	2229.4	1313.1
85°	111.5	108.6	118.3	152.7	104.1	87.6	98.1	447.7	407.3	280.0
87.5°	44.9	43.4	53.9	68.1	38.2	32.2	34.4	107.8	89.8	83.1
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°
2841.1	0°	2841.1	2841.1	2841.1	2841.1	2841.1	2841.1	2841.1	2841.1	2841.1	2841.1
2852.3	2.5°	2849.3	2849.3	2838.8	2822.4	2803.6	2791.7	2772.2	2767.0	2746.8	2740.8
2877.8	5°	2883.8	2877.8	2845.6	2799.2	2735.5	2677.1	2612.7	2572.3	2515.4	2495.2
2927.9	7.5°	2927.2	2910.7	2855.3	2753.5	2620.2	2489.2	2353.0	2249.7	2150.8	2115.7
2969.1	10°	2966.9	2943.6	2849.3	2671.1	2440.6	2213.7	1996.6	1844.6	1729.4	1682.2
3014.8	12.5°	3006.5	2963.9	2809.6	2534.1	2185.3	1877.6	1646.3	1528.0	1456.8	1400.0
3052.2	15°	3044.0	2984.1	2748.2	2350.7	1905.3	1593.1	1422.4	1328.1	1271.2	1233.8
3106.8	17.5°	3087.4	3001.3	2656.2	2117.9	1638.8	1396.2	1257.0	1200.1	1188.8	1184.3
3181.7	20°	3148.0	3017.0	2534.9	1857.4	1442.6	1239.0	1167.1	1161.9	1161.1	1158.9
3271.5	22.5°	3213.2	3035.7	2374.7	1620.8	1275.7	1140.9	1128.2	1117.7	1111.0	1110.2
3380.1	25°	3290.3	3041.7	2174.0	1426.9	1133.4	1094.5	1079.5	1063.8	1059.3	1059.3
3503.6	27.5°	3365.1	3021.5	1940.5	1258.5	1053.3	1051.8	1032.4	1027.1	1026.4	1028.6
3644.4	30°	3440.0	2983.3	1708.4	1102.7	1006.9	1006.9	1000.2	1003.9	1006.9	1014.4
3837.5	32.5°	3541.1	2942.9	1514.5	987.5	966.5	959.0	965.7	973.2	976.2	986.0
4091.3	35°	3689.3	2914.4	1360.3	924.6	924.6	914.8	918.6	917.1	910.3	905.9
4398.2	37.5°	3885.4	2912.9	1233.0	895.4	889.4	887.9	888.6	878.9	852.7	821.3
4769.6	40°	4121.3	2953.4	1134.9	875.2	870.7	879.6	875.2	849.0	777.1	722.4
5226.2	42.5°	4437.9	3068.7	1072.0	850.5	863.9	875.2	857.2	766.6	717.9	681.3
5746.5	45°	4810.7	3255.8	1039.9	824.3	851.2	864.7	777.8	738.2	699.2	655.1
6314.0	47.5°	5233.0	3491.6	1032.4	799.5	822.8	831.0	744.1	726.2	682.0	634.1
6884.5	50°	5692.6	3770.9	1052.6	770.3	781.6	753.1	732.9	716.4	670.8	623.6
7469.2	52.5°	6168.0	4078.6	1093.0	730.7	740.4	709.0	728.4	714.2	664.0	600.4
8073.3	55°	6635.2	4388.5	1131.9	684.3	698.5	669.3	715.7	705.2	633.3	561.5
8717.9	57.5°	7109.8	4697.0	1170.1	643.1	658.1	631.1	695.5	681.3	598.9	525.5
9421.6	60°	7603.2	4996.4	1188.1	603.4	613.9	595.9	664.8	640.1	560.0	488.9
10113.3	62.5°	8065.1	5245.7	1158.9	563.7	570.5	563.0	624.4	591.4	521.1	447.7
10834.3	65°	8528.5	5393.9	1069.1	524.8	526.3	522.5	567.5	539.0	475.4	411.8
11465.4	67.5°	8948.5	5477.0	926.1	482.9	479.1	477.6	514.3	482.1	431.2	375.8
11945.3	70°	9037.6	5265.9	707.5	433.5	433.5	429.7	455.9	423.0	382.6	337.6
11601.6	72.5°	8254.5	4429.7	502.3	377.3	383.3	375.8	397.5	369.8	333.1	303.2
9998.8	75°	6656.1	3248.3	365.3	319.7	330.1	317.4	337.6	318.2	286.7	286.0
6890.5	77.5°	4573.4	2008.6	265.0	263.5	271.0	254.5	277.7	267.3	238.8	226.1
2999.0	80°	1951.7	801.0	193.1	203.6	203.6	188.7	215.6	218.6	193.9	187.9
578.7	82.5°	388.5	227.6	135.5	140.0	131.8	127.3	152.7	169.2	233.6	259.8
174.4	85°	116.8	83.8	81.6	76.4	67.4	68.1	89.8	169.9	209.6	119.8
57.6	87.5°	32.2	21.0	21.7	17.2	14.2	18.7	30.7	128.8	70.4	29.9
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>
2841.1
2750.5
2510.2
2120.1
1692.7
1418.7
1240.5
1187.3
1166.4
1118.5
1063.8
1034.6
1019.6
994.2
916.3
822.0
720.9
679.8
652.1
630.4
618.4
595.9
557.7
524.0
486.6
446.9
407.3
371.3
336.1
294.2
257.5
211.9
187.9
260.5
103.3
25.5
0.0

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