

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: P948364

Luminaire Tested: **GALN-SB3B-940-U-SL2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948364
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-SB3B-940-U-SL2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12169 lumens
Efficiency: N/A
Efficacy: 111.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

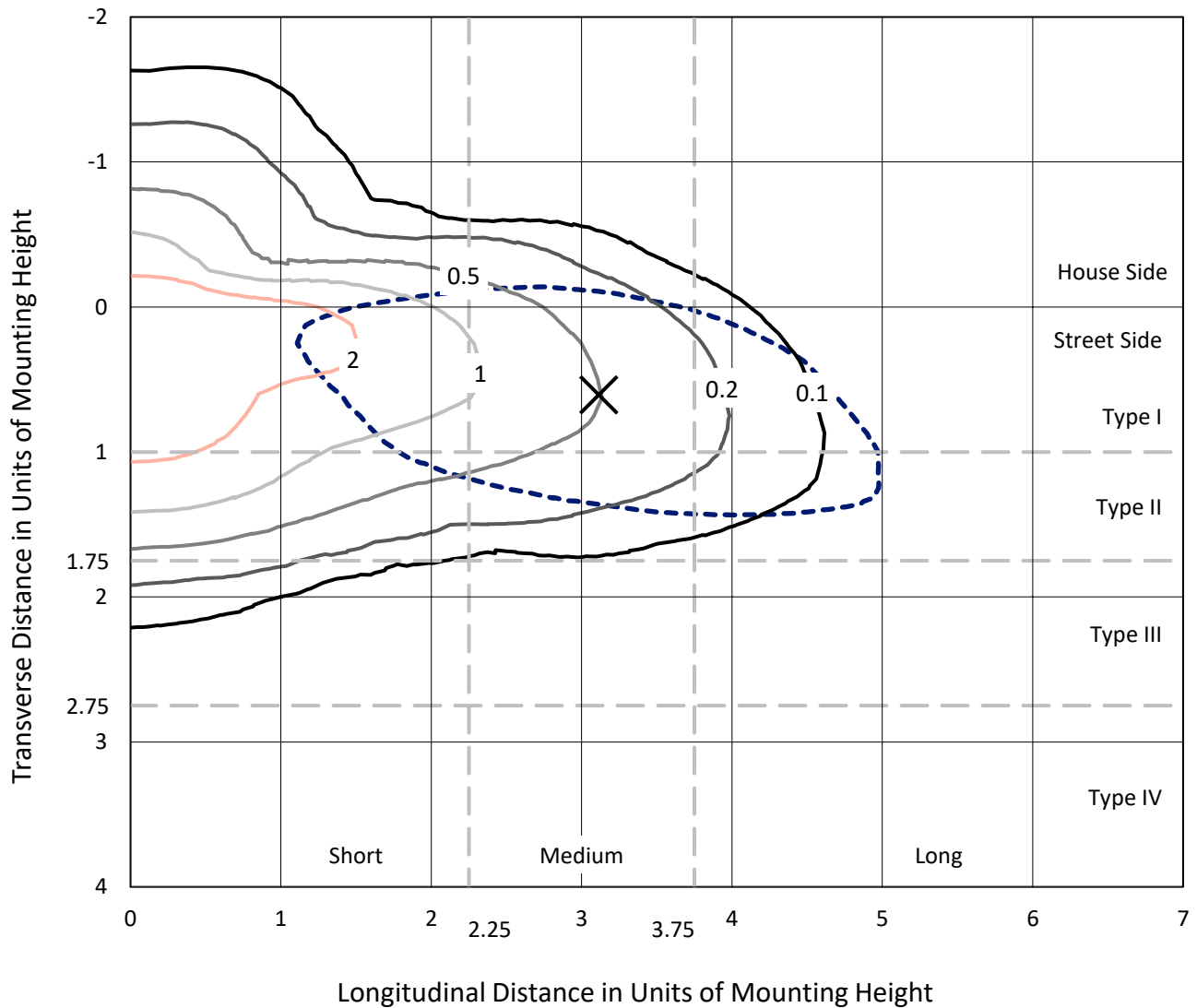
Input Watts (W): 109.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

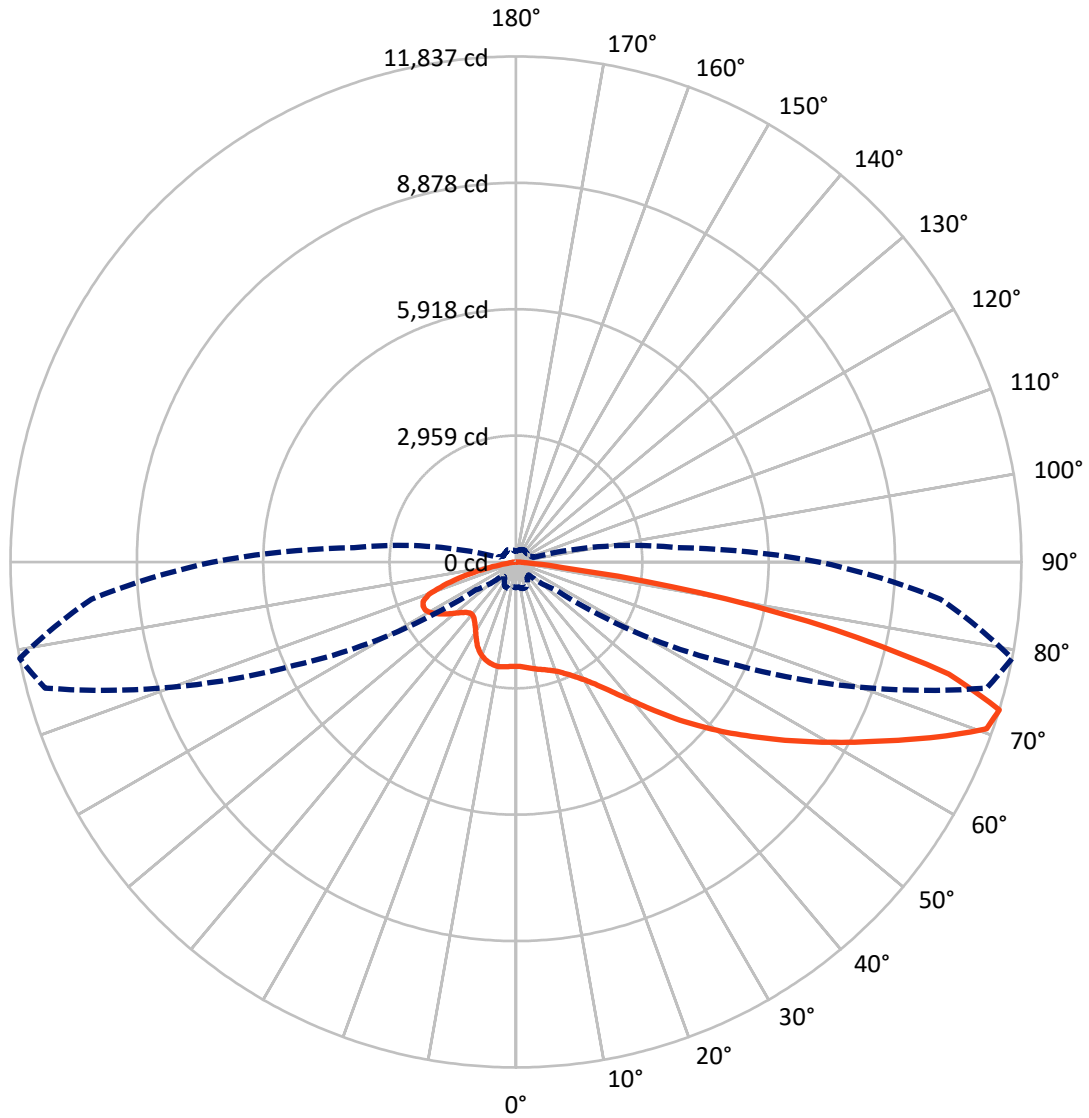
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.9 fc
 Type 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	2677.9	0.0	2677.9
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	9491.2	0.0	9491.2
	% Fixture	78.0	0.0	78.0
Total	Lumens	12169.0	0.0	12169.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	221.7	1.8
10°-20°	579.7	4.8
20°-30°	935.4	7.7
30°-40°	1404.0	11.5
40°-50°	1991.6	16.4
50°-60°	2515.2	20.7
60°-70°	2554.5	21.0
70°-80°	1741.0	14.3
80°-90°	225.9	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°	12169.0	100.0
0°-180°	12169.0	100.0

Coefficient of Utilization



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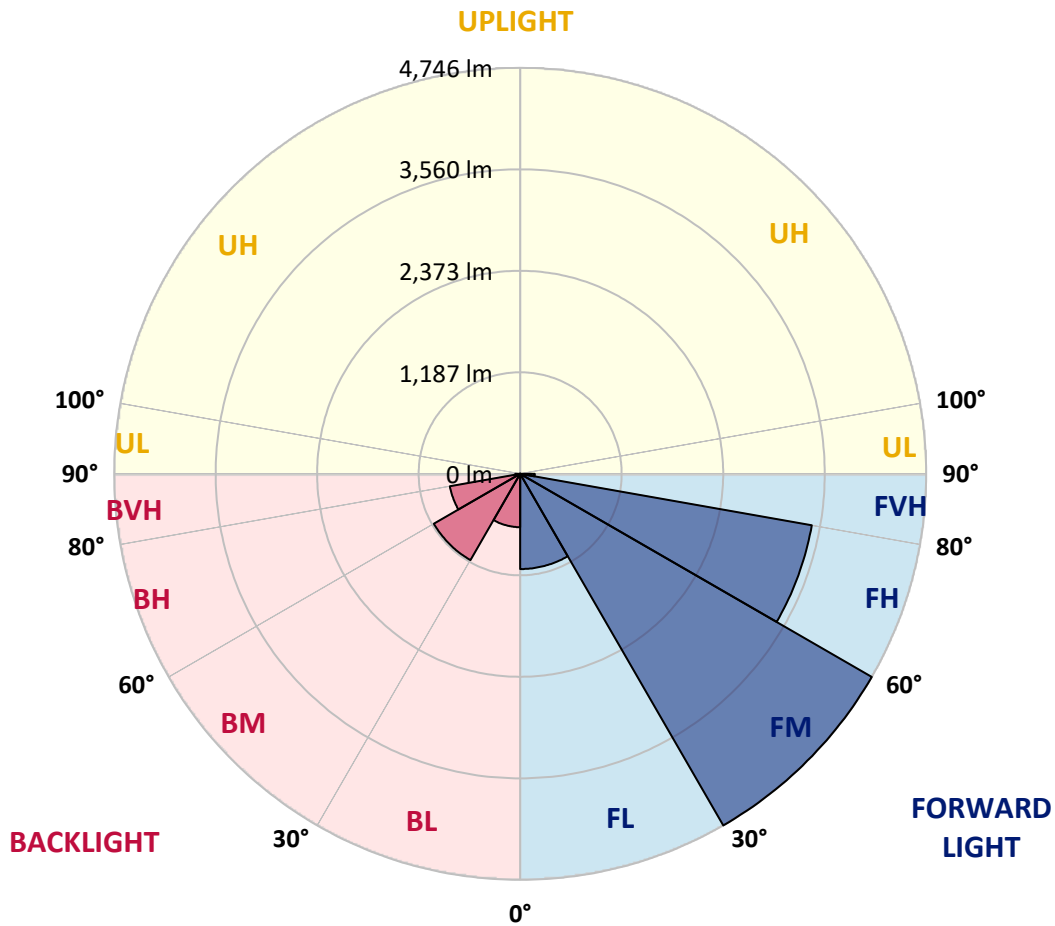
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1113.2	9.1			
FM (30°-60°)	4746.2	39.0			
FH (60°-80°)	3461.7	28.4			G2/5000
FVH (80°-90°)	170.2	1.4			G2/225
BL (0°-30°)	623.7	5.1	B2/1000		
BM (30°-60°)	1164.6	9.6	B2/2500		
BH (60°-80°)	833.8	6.9	B2/1000		G2/1000
BVH (80°-90°)	55.7	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°	2442.8	2442.8	2442.8	2442.8	2442.8	2442.8	2442.8	2442.8	2442.8	2442.8
2.5°	2444.1	2432.5	2439.6	2437.0	2440.2	2444.1	2445.4	2447.3	2453.8	2453.1
5°	2438.9	2427.4	2437.0	2433.8	2442.2	2451.2	2458.9	2466.0	2476.3	2480.8
7.5°	2428.0	2420.3	2429.9	2439.6	2455.0	2468.6	2479.5	2495.6	2510.4	2513.0
10°	2364.3	2358.5	2381.0	2406.1	2448.6	2485.3	2509.1	2527.8	2543.9	2546.4
12.5°	2298.0	2290.9	2316.0	2350.1	2419.0	2485.3	2535.5	2560.0	2574.1	2582.5
15°	2287.0	2281.2	2295.4	2325.0	2382.3	2467.9	2553.5	2598.6	2610.8	2620.5
17.5°	2339.8	2328.9	2334.7	2345.0	2378.4	2451.8	2567.7	2642.4	2661.0	2671.3
20°	2462.1	2446.7	2437.7	2417.1	2411.3	2454.4	2566.4	2695.1	2719.6	2732.5
22.5°	2625.0	2614.7	2595.4	2543.2	2486.6	2485.9	2590.9	2762.7	2808.4	2820.7
25°	2821.9	2806.5	2782.0	2711.2	2602.4	2548.4	2632.1	2849.0	2925.6	2928.8
27.5°	3048.5	3025.4	2991.9	2898.5	2751.8	2646.2	2695.1	2948.1	3060.1	3058.8
30°	3287.3	3264.2	3228.8	3115.5	2930.7	2778.2	2782.7	3055.0	3219.7	3212.7
32.5°	3461.8	3444.4	3437.3	3349.8	3136.7	2933.9	2883.1	3173.4	3416.7	3410.3
35°	3595.7	3573.1	3581.5	3537.1	3361.4	3108.4	3006.0	3314.4	3656.2	3655.5
37.5°	3728.3	3708.3	3715.4	3685.8	3569.3	3329.8	3156.0	3486.9	3952.9	3967.1
40°	3849.3	3828.0	3856.4	3828.7	3730.8	3565.4	3326.6	3681.9	4296.6	4323.7
42.5°	3922.0	3905.3	3952.3	3952.9	3871.2	3764.3	3513.9	3896.9	4694.4	4755.0
45°	3947.1	3941.3	4012.1	4026.9	3995.4	3879.5	3682.6	4131.2	5123.1	5231.3
47.5°	3920.1	3909.1	4007.0	4061.7	4086.8	3933.6	3822.2	4384.8	5560.9	5719.2
50°	3783.6	3762.4	3907.9	4023.1	4112.5	3969.0	3963.2	4677.7	6058.4	6231.6
52.5°	3538.4	3522.3	3687.7	3887.9	4055.9	3986.4	4121.6	4997.6	6530.9	6754.9
55°	3224.9	3203.7	3385.8	3647.2	3914.9	3980.6	4279.9	5355.5	7088.3	7315.6
57.5°	2728.0	2685.5	2915.9	3224.9	3685.1	3973.5	4444.7	5711.5	7654.8	7927.1
60°	2003.2	1940.1	2222.7	2588.9	3235.8	3904.6	4648.7	6110.6	8334.5	8579.8
62.5°	1166.4	1129.7	1314.4	1656.2	2438.9	3499.1	4763.3	6574.7	9002.7	9260.2
65°	905.7	895.4	911.5	937.9	1357.5	2619.8	4409.9	7027.2	9852.3	10032.6
67.5°	828.4	820.7	827.8	778.2	688.8	1459.2	3488.8	7141.8	10762.5	10872.0
70°	736.4	727.4	750.5	708.1	542.0	663.6	2254.2	6725.9	11486.7	11692.0
72.5°	599.9	589.6	643.7	624.4	456.4	426.1	1132.3	5737.9	11410.7	11836.9
75°	460.9	455.1	519.5	535.6	372.1	335.4	543.3	4265.1	10041.6	10470.9
77.5°	357.9	353.4	386.2	444.8	300.0	260.1	334.1	2705.4	7567.2	7642.6
80°	268.4	255.5	285.8	344.4	233.7	189.9	226.6	1577.7	4783.3	4335.9
82.5°	168.0	161.6	186.7	229.8	164.8	130.7	147.4	871.6	1916.9	1129.0
85°	95.9	93.3	101.7	131.3	89.5	75.3	84.3	384.9	350.2	240.7
87.5°	38.6	37.3	46.3	58.6	32.8	27.7	29.6	92.7	77.2	71.4
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°
2442.8	0°	2442.8	2442.8	2442.8	2442.8	2442.8	2442.8	2442.8	2442.8	2442.8	2442.8
2452.5	2.5°	2449.9	2449.9	2440.9	2426.7	2410.6	2400.3	2383.6	2379.1	2361.7	2356.6
2474.4	5°	2479.5	2474.4	2446.7	2406.8	2352.1	2301.8	2246.5	2211.7	2162.8	2145.4
2517.5	7.5°	2516.8	2502.7	2455.0	2367.5	2252.9	2140.3	2023.1	1934.3	1849.3	1819.1
2552.9	10°	2551.0	2531.0	2449.9	2296.7	2098.4	1903.4	1716.7	1586.1	1486.9	1446.4
2592.1	12.5°	2585.1	2548.4	2415.8	2178.9	1878.9	1614.4	1415.5	1313.8	1252.6	1203.7
2624.3	15°	2617.3	2565.8	2363.0	2021.2	1638.2	1369.8	1223.0	1141.9	1093.0	1060.8
2671.3	17.5°	2654.6	2580.6	2283.8	1821.0	1409.0	1200.5	1080.8	1031.8	1022.2	1018.3
2735.7	20°	2706.7	2594.1	2179.5	1597.0	1240.4	1065.3	1003.5	999.0	998.4	996.4
2812.9	22.5°	2762.7	2610.2	2041.8	1393.6	1096.9	981.0	970.0	961.0	955.2	954.6
2906.3	25°	2829.0	2615.3	1869.3	1226.9	974.5	941.1	928.2	914.7	910.8	910.8
3012.5	27.5°	2893.4	2597.9	1668.4	1082.0	905.7	904.4	887.7	883.1	882.5	884.4
3133.5	30°	2957.8	2565.1	1468.9	948.2	865.8	865.8	860.0	863.2	865.8	872.2
3299.6	32.5°	3044.7	2530.4	1302.2	849.0	831.0	824.6	830.4	836.8	839.4	847.7
3517.8	35°	3172.1	2505.9	1169.6	795.0	795.0	786.6	789.8	788.5	782.7	778.9
3781.7	37.5°	3340.8	2504.6	1060.2	769.9	764.7	763.4	764.1	755.7	733.2	706.1
4101.0	40°	3543.5	2539.4	975.8	752.5	748.6	756.3	752.5	729.9	668.2	621.2
4493.6	42.5°	3815.8	2638.5	921.8	731.2	742.8	752.5	737.0	659.1	617.3	585.8
4941.0	45°	4136.4	2799.4	894.1	708.7	731.9	743.5	668.8	634.7	601.2	563.2
5428.9	47.5°	4499.4	3002.2	887.7	687.5	707.4	714.5	639.8	624.4	586.4	545.2
5919.4	50°	4894.6	3242.3	905.0	662.4	672.0	647.6	630.2	616.0	576.7	536.2
6422.1	52.5°	5303.4	3506.8	939.8	628.2	636.6	609.6	626.3	614.1	571.0	516.2
6941.6	55°	5705.0	3773.3	973.3	588.3	600.6	575.5	615.4	606.4	544.6	482.8
7495.8	57.5°	6113.1	4038.5	1006.1	552.9	565.8	542.6	598.0	585.8	515.0	451.9
8100.9	60°	6537.3	4296.0	1021.5	518.8	527.8	512.4	571.6	550.4	481.5	420.3
8695.6	62.5°	6934.5	4510.3	996.4	484.7	490.5	484.1	536.8	508.5	448.0	384.9
9315.5	65°	7332.9	4637.8	919.2	451.2	452.5	449.3	487.9	463.5	408.7	354.0
9858.1	67.5°	7694.1	4709.3	796.2	415.2	412.0	410.7	442.2	414.5	370.8	323.1
10270.7	70°	7770.6	4527.7	608.3	372.7	372.7	369.5	392.0	363.7	328.9	290.3
9975.3	72.5°	7097.3	3808.7	431.9	324.4	329.6	323.1	341.8	318.0	286.4	260.7
8597.2	75°	5723.1	2793.0	314.1	274.9	283.9	272.9	290.3	273.6	246.5	245.9
5924.5	77.5°	3932.3	1727.0	227.9	226.6	233.0	218.9	238.8	229.8	205.3	194.4
2578.6	80°	1678.1	688.8	166.1	175.1	175.1	162.2	185.4	188.0	166.7	161.6
497.6	82.5°	334.1	195.7	116.5	120.4	113.3	109.4	131.3	145.5	200.8	223.4
150.0	85°	100.4	72.1	70.2	65.7	57.9	58.6	77.2	146.1	180.2	103.0
49.6	87.5°	27.7	18.0	18.7	14.8	12.2	16.1	26.4	110.7	60.5	25.7
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>
2442.8
2364.9
2158.3
1822.9
1455.4
1219.8
1066.6
1020.9
1002.9
961.7
914.7
889.6
876.7
854.8
787.9
706.8
619.9
584.5
560.7
542.0
531.7
512.4
479.6
450.6
418.4
384.3
350.2
319.3
289.0
253.0
221.4
182.2
161.6
224.0
88.8
21.9
0.0

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