

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: P948385

Luminaire Tested: **GALN-SB3B-950-U-SL2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948385
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-950-U-SL2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 5000K, 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: 11682 lumens
Efficiency: N/A
Efficacy: 107.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

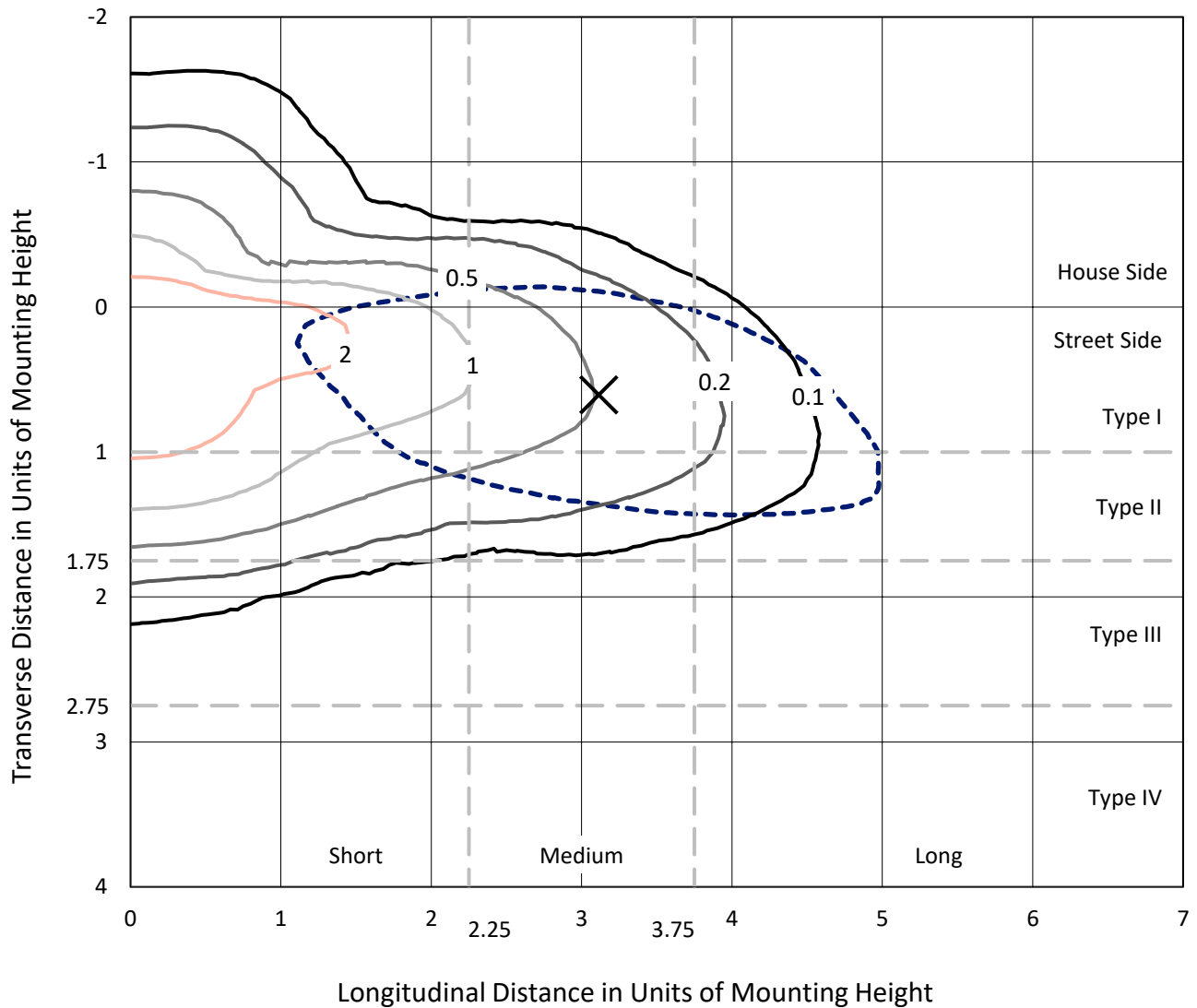
Input Watts (W): 109.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

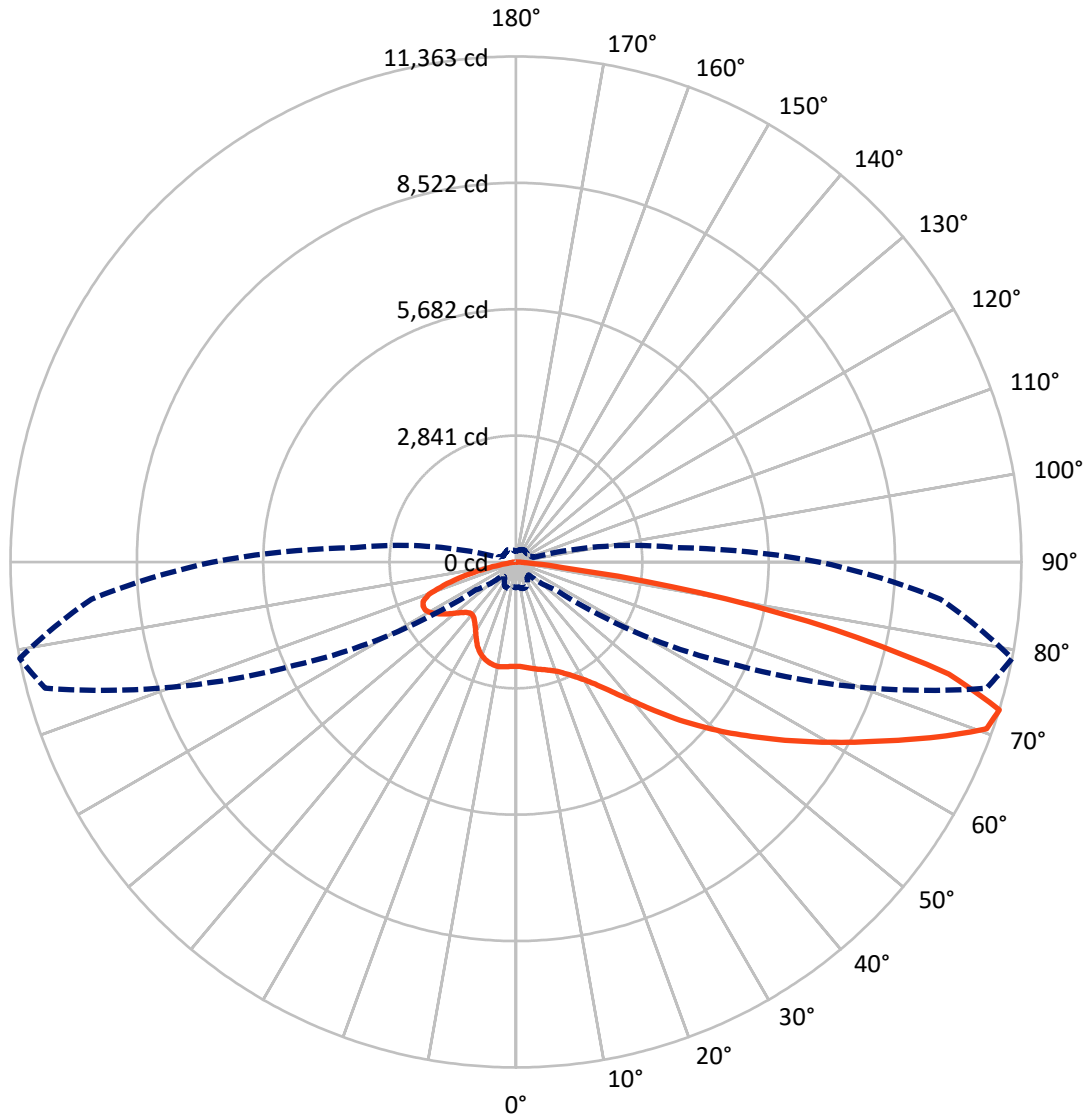
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.8 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	2570.7	0.0	2570.7
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	9111.3	0.0	9111.3
	% Fixture	78.0	0.0	78.0
Total	Lumens	11682.0	0.0	11682.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	212.9	1.8
10°-20°	556.5	4.8
20°-30°	898.0	7.7
30°-40°	1347.8	11.5
40°-50°	1911.9	16.4
50°-60°	2414.5	20.7
60°-70°	2452.3	21.0
70°-80°	1671.3	14.3
80°-90°	216.8	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°	11682.0	100.0
0°-180°	11682.0	100.0

Coefficient of Utilization



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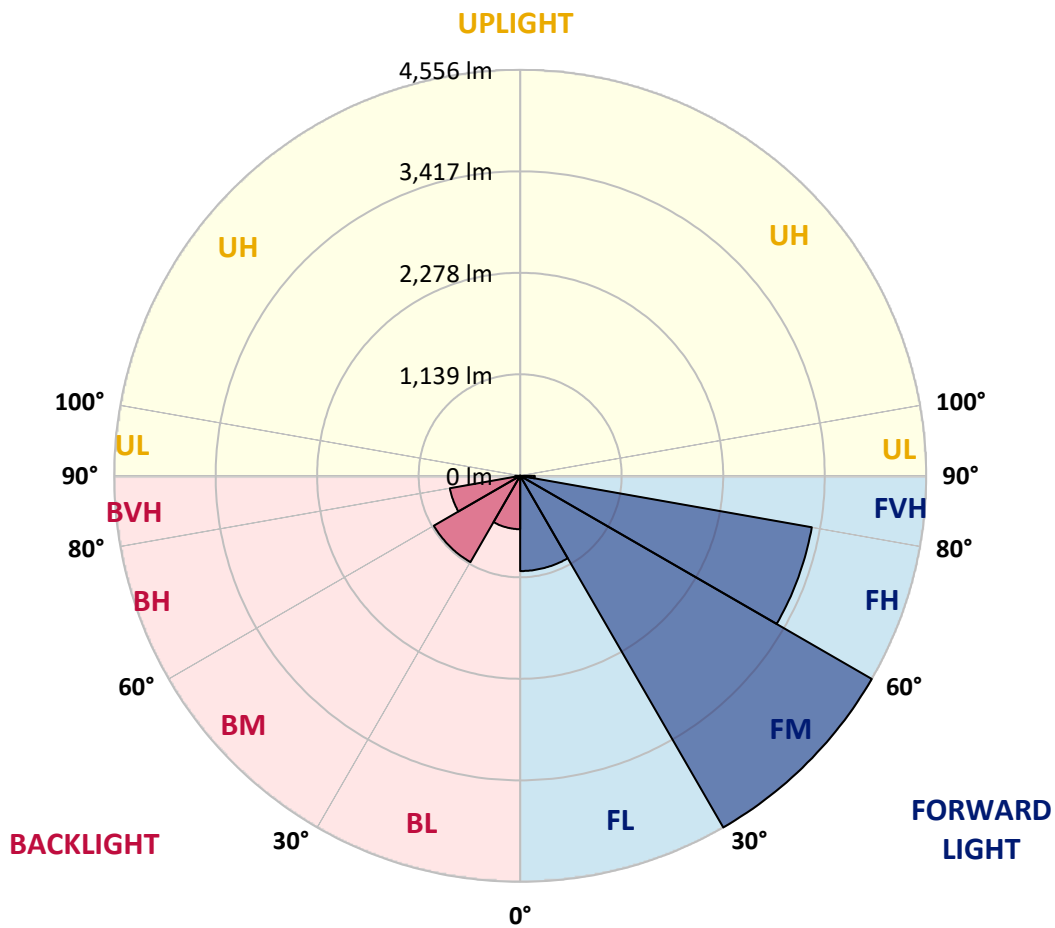
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1068.6	9.1			
FM (30°-60°)	4556.2	39.0			
FH (60°-80°)	3323.1	28.4			G2/5000
FVH (80°-90°)	163.3	1.4			G2/225
BL (0°-30°)	598.8	5.1	B2/1000		
BM (30°-60°)	1118.0	9.6	B2/2500		
BH (60°-80°)	800.4	6.9	B2/1000		G2/1000
BVH (80°-90°)	53.5	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°	2345.1	2345.1	2345.1	2345.1	2345.1	2345.1	2345.1	2345.1	2345.1	2345.1
2.5°	2346.3	2335.2	2342.0	2339.5	2342.6	2346.3	2347.5	2349.4	2355.6	2354.9
5°	2341.3	2330.2	2339.5	2336.4	2344.4	2353.1	2360.5	2367.3	2377.2	2381.5
7.5°	2330.8	2323.4	2332.7	2342.0	2356.8	2369.8	2380.3	2395.7	2409.9	2412.4
10°	2269.7	2264.1	2285.7	2309.8	2350.6	2385.8	2408.7	2426.6	2442.1	2444.5
12.5°	2206.0	2199.2	2223.3	2256.1	2322.2	2385.8	2434.0	2457.5	2471.1	2479.1
15°	2195.5	2189.9	2203.5	2232.0	2287.0	2369.1	2451.3	2494.6	2506.3	2515.6
17.5°	2246.2	2235.7	2241.2	2251.1	2283.3	2353.7	2464.9	2536.6	2554.5	2564.4
20°	2363.6	2348.8	2340.1	2320.3	2314.8	2356.2	2463.7	2587.3	2610.8	2623.1
22.5°	2519.9	2510.0	2491.5	2441.4	2387.1	2386.5	2487.2	2652.2	2696.0	2707.8
25°	2709.0	2694.2	2670.7	2602.7	2498.3	2446.4	2526.7	2735.0	2808.5	2811.6
27.5°	2926.5	2904.3	2872.1	2782.5	2641.7	2540.3	2587.3	2830.1	2937.6	2936.4
30°	3155.8	3133.5	3099.5	2990.8	2813.4	2667.0	2671.3	2932.7	3090.9	3084.1
32.5°	3323.2	3306.6	3299.8	3215.7	3011.2	2816.5	2767.7	3046.4	3280.0	3273.8
35°	3451.8	3430.1	3438.2	3395.5	3226.8	2984.0	2885.7	3181.7	3509.9	3509.2
37.5°	3579.1	3559.9	3566.7	3538.3	3426.4	3196.6	3029.7	3347.3	3794.7	3808.3
40°	3695.2	3674.8	3702.0	3675.5	3581.5	3422.7	3193.5	3534.6	4124.7	4150.6
42.5°	3765.1	3749.0	3794.1	3794.7	3716.2	3613.7	3373.3	3741.0	4506.6	4564.7
45°	3789.2	3783.6	3851.6	3865.8	3835.5	3724.3	3535.2	3965.9	4918.1	5021.9
47.5°	3763.2	3752.7	3846.6	3899.1	3923.2	3776.2	3669.3	4209.4	5338.3	5490.3
50°	3632.2	3611.8	3751.5	3862.1	3948.0	3810.2	3804.6	4490.5	5816.0	5982.2
52.5°	3396.8	3381.3	3540.1	3732.3	3893.6	3826.9	3956.6	4797.6	6269.5	6484.6
55°	3095.8	3075.4	3250.3	3501.2	3758.3	3821.3	4108.6	5141.2	6804.7	7022.8
57.5°	2618.8	2578.0	2799.2	3095.8	3537.7	3814.5	4266.8	5482.9	7348.4	7609.8
60°	1923.0	1862.4	2133.7	2485.3	3106.3	3748.4	4462.7	5866.0	8001.0	8236.4
62.5°	1119.7	1084.5	1261.8	1589.9	2341.3	3359.1	4572.7	6311.6	8642.4	8889.6
65°	869.4	859.5	875.0	900.3	1303.2	2515.0	4233.4	6746.0	9458.1	9631.1
67.5°	795.3	787.9	794.7	747.1	661.2	1400.9	3349.2	6856.0	10331.8	10436.9
70°	706.9	698.3	720.5	679.7	520.3	637.1	2164.0	6456.8	11027.0	11224.1
72.5°	575.9	566.0	617.9	599.4	438.1	409.1	1086.9	5508.2	10954.1	11363.1
75°	442.4	436.9	498.7	514.1	357.2	321.9	521.5	4094.4	9639.7	10051.9
77.5°	343.6	339.2	370.8	427.0	288.0	249.6	320.7	2597.2	7264.4	7336.7
80°	257.7	245.3	274.4	330.6	224.3	182.3	217.5	1514.6	4591.8	4162.4
82.5°	161.3	155.1	179.2	220.6	158.2	125.4	141.5	836.7	1840.2	1083.9
85°	92.1	89.6	97.6	126.1	85.9	72.3	80.9	369.5	336.2	231.1
87.5°	37.1	35.8	44.5	56.2	31.5	26.6	28.4	89.0	74.2	68.6
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°
2345.1	0°	2345.1	2345.1	2345.1	2345.1	2345.1	2345.1	2345.1	2345.1	2345.1	2345.1
2354.3	2.5°	2351.8	2351.8	2343.2	2329.6	2314.2	2304.3	2288.2	2283.9	2267.2	2262.2
2375.3	5°	2380.3	2375.3	2348.8	2310.4	2257.9	2209.7	2156.6	2123.2	2076.3	2059.6
2416.7	7.5°	2416.1	2402.5	2356.8	2272.8	2162.8	2054.6	1942.2	1856.9	1775.3	1746.3
2450.7	10°	2448.9	2429.7	2351.8	2204.8	2014.5	1827.2	1648.0	1522.6	1427.4	1388.5
2488.4	12.5°	2481.6	2446.4	2319.1	2091.7	1803.7	1549.8	1358.8	1261.2	1202.5	1155.5
2519.3	15°	2512.5	2463.1	2268.4	1940.3	1572.6	1315.0	1174.1	1096.2	1049.2	1018.4
2564.4	17.5°	2548.3	2477.3	2192.4	1748.1	1352.7	1152.4	1037.5	990.5	981.3	977.6
2626.2	20°	2598.4	2490.3	2092.3	1533.1	1190.8	1022.7	963.4	959.0	958.4	956.6
2700.4	22.5°	2652.2	2505.7	1960.1	1337.8	1053.0	941.7	931.2	922.6	917.0	916.4
2790.0	25°	2715.8	2510.7	1794.5	1177.8	935.5	903.4	891.1	878.1	874.4	874.4
2891.9	27.5°	2777.6	2494.0	1601.7	1038.7	869.4	868.2	852.1	847.8	847.2	849.0
3008.1	30°	2839.4	2462.5	1410.1	910.2	831.1	831.1	825.6	828.6	831.1	837.3
3167.5	32.5°	2922.8	2429.1	1250.1	815.1	797.7	791.6	797.1	803.3	805.8	813.8
3377.0	35°	3045.2	2405.6	1122.8	763.1	763.1	755.1	758.2	757.0	751.4	747.7
3630.3	37.5°	3207.1	2404.4	1017.7	739.0	734.1	732.9	733.5	725.5	703.8	677.9
3936.8	40°	3401.7	2437.7	936.8	722.4	718.7	726.1	722.4	700.7	641.4	596.3
4313.8	42.5°	3663.1	2532.9	884.9	702.0	713.1	722.4	707.5	632.8	592.6	562.3
4743.2	45°	3970.8	2687.4	858.3	680.3	702.6	713.7	642.0	609.3	577.1	540.7
5211.6	47.5°	4319.3	2882.0	852.1	660.0	679.1	685.9	614.2	599.4	562.9	523.4
5682.5	50°	4698.8	3112.5	868.8	635.9	645.1	621.6	605.0	591.4	553.7	514.7
6165.1	52.5°	5091.1	3366.5	902.2	603.1	611.1	585.2	601.2	589.5	548.1	495.6
6663.8	55°	5476.7	3622.3	934.3	564.8	576.5	552.4	590.7	582.1	522.8	463.4
7195.8	57.5°	5868.5	3876.9	965.8	530.8	543.2	520.9	574.1	562.3	494.3	433.8
7776.7	60°	6275.7	4124.1	980.7	498.1	506.7	491.9	548.7	528.3	462.2	403.5
8347.6	62.5°	6657.0	4329.8	956.6	465.3	470.9	464.7	515.4	488.2	430.1	369.5
8942.7	65°	7039.5	4452.2	882.4	433.2	434.4	431.3	468.4	444.9	392.4	339.9
9463.6	67.5°	7386.1	4520.8	764.4	398.6	395.5	394.2	424.5	397.9	355.9	310.2
9859.7	70°	7459.7	4346.5	583.9	357.8	357.8	354.7	376.3	349.1	315.8	278.7
9576.1	72.5°	6813.3	3656.3	414.6	311.4	316.4	310.2	328.1	305.3	275.0	250.3
8253.1	75°	5494.0	2681.2	301.6	263.9	272.5	262.0	278.7	262.6	236.7	236.0
5687.4	77.5°	3774.9	1657.9	218.7	217.5	223.7	210.1	229.3	220.6	197.1	186.6
2475.4	80°	1610.9	661.2	159.4	168.1	168.1	155.7	178.0	180.4	160.0	155.1
477.7	82.5°	320.7	187.9	111.8	115.6	108.8	105.0	126.1	139.7	192.8	214.4
144.0	85°	96.4	69.2	67.4	63.0	55.6	56.2	74.2	140.3	173.0	98.9
47.6	87.5°	26.6	17.3	17.9	14.2	11.7	15.4	25.3	106.3	58.1	24.7
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>
2345.1
2270.3
2071.9
1750.0
1397.1
1171.0
1023.9
980.0
962.7
923.2
878.1
854.0
841.6
820.6
756.3
678.5
595.1
561.1
538.2
520.3
510.4
491.9
460.4
432.6
401.7
368.9
336.2
306.5
277.5
242.8
212.6
174.9
155.1
215.0
85.3
21.0
0.0

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