

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: P942267

Luminaire Tested: **GALN-SB6A-940-U-T3**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942267
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB6A-940-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 4000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19725 lumens
Efficiency: N/A
Efficacy: 115.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

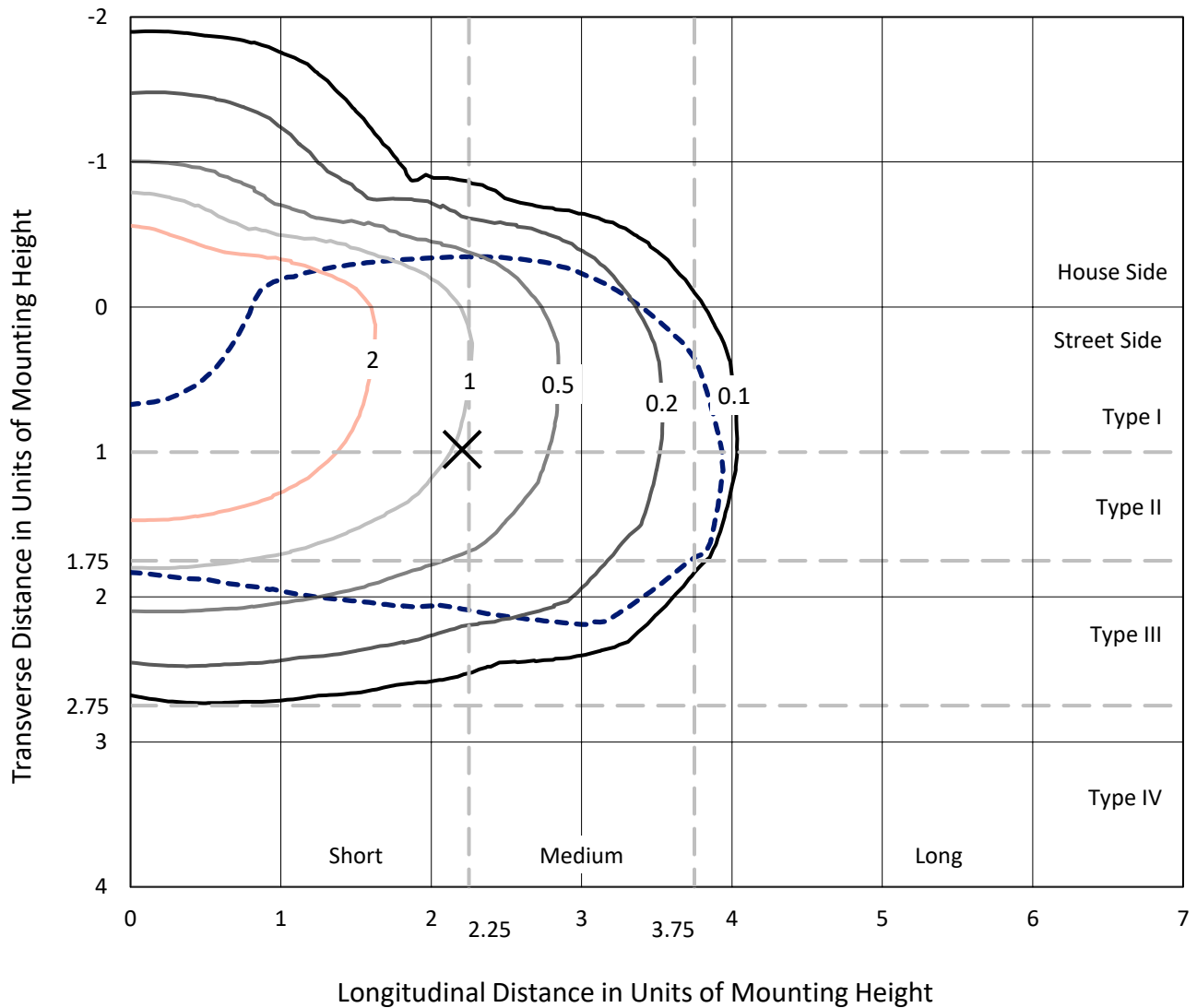
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

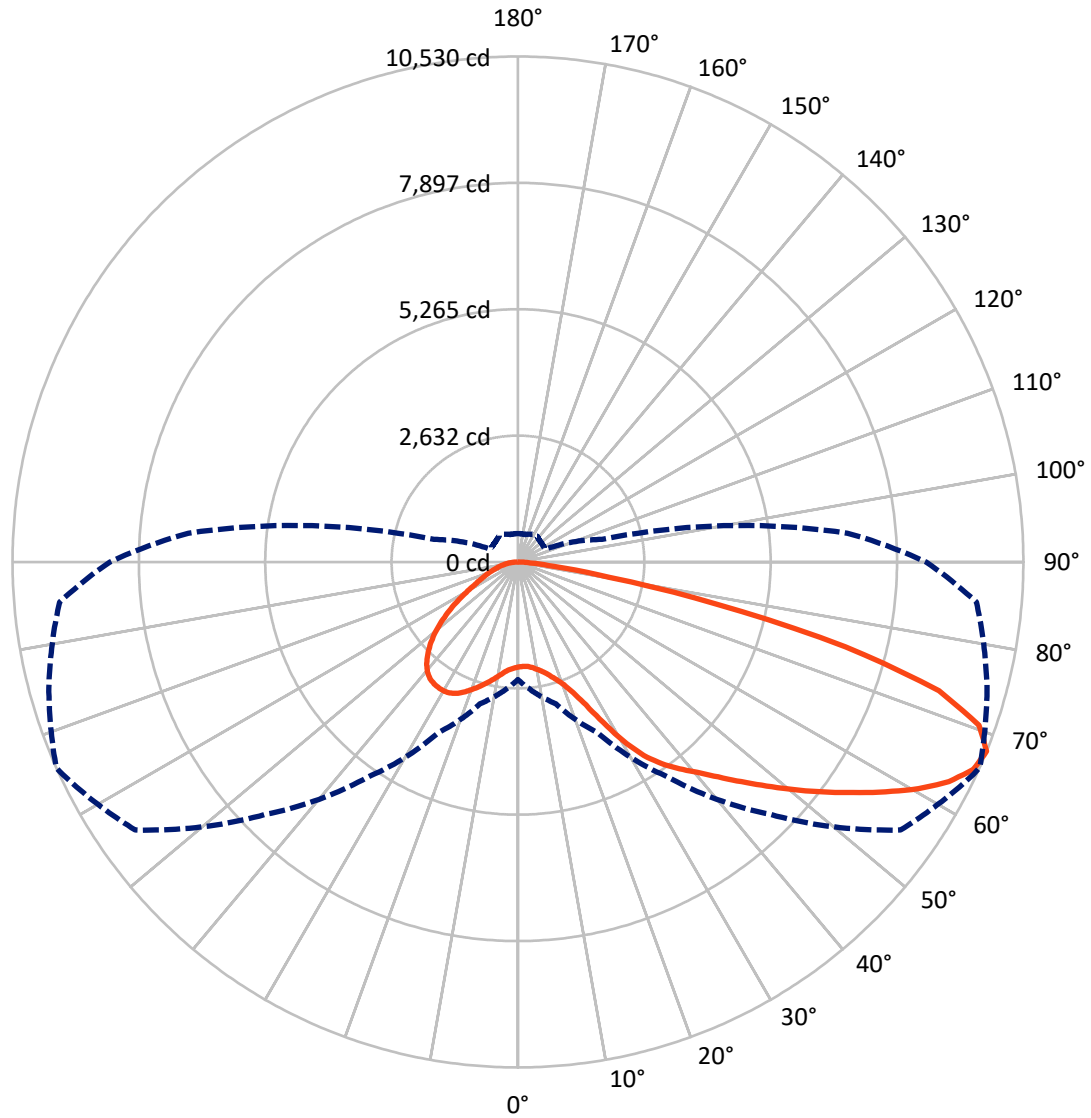
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4904.6	0.0	4904.6
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	14820.4	0.0	14820.4
	% Fixture	75.1	0.0	75.1
Total	Lumens	19725.0	0.0	19725.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	216.9	1.1
10°-20°	716.6	3.6
20°-30°	1381.3	7.0
30°-40°	2421.9	12.3
40°-50°	3600.6	18.3
50°-60°	4564.1	23.1
60°-70°	4465.8	22.6
70°-80°	2130.2	10.8
80°-90°	227.7	1.2
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°	19725.0	100.0
0°-180°	19725.0	100.0

Coefficient of Utilization



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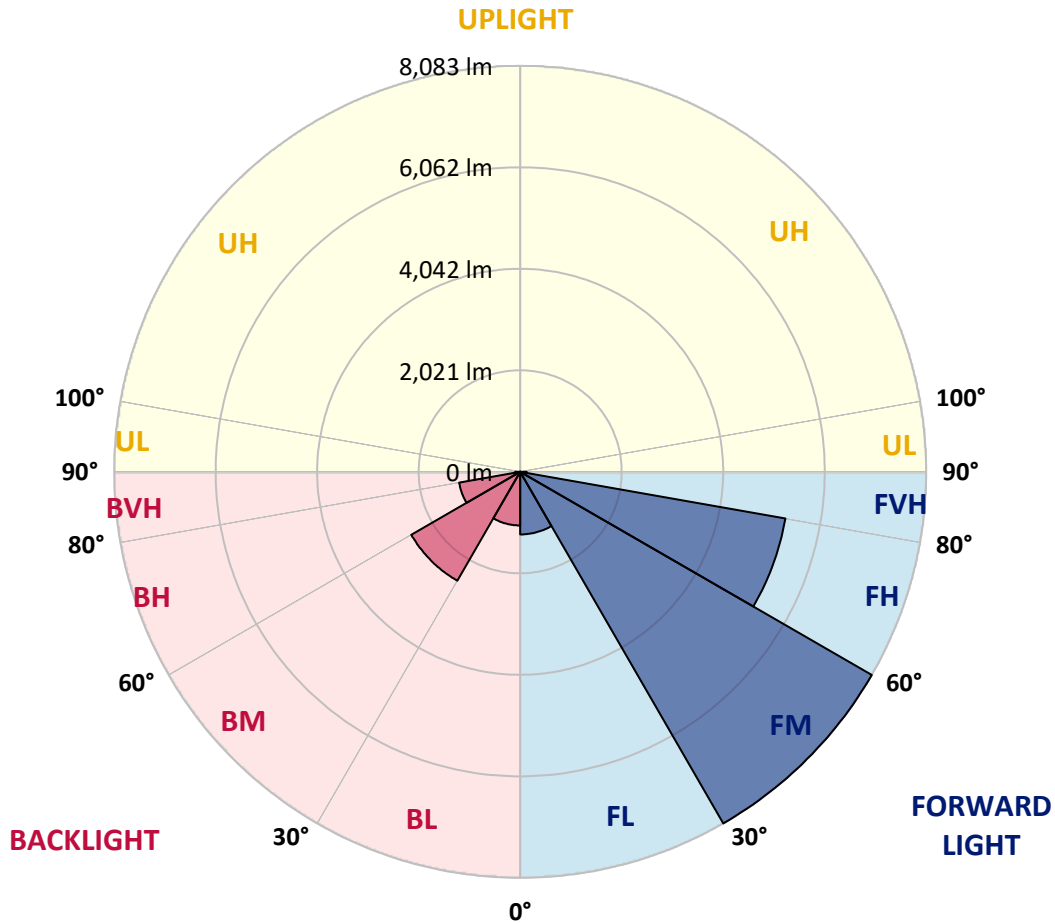
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1246.4	6.3			
FM (30°-60°)	8083.1	41.0			
FH (60°-80°)	5361.8	27.2			G3/7500
FVH (80°-90°)	129.1	0.7			G2/225
BL (0°-30°)	1068.4	5.4	B3/2500		
BM (30°-60°)	2503.3	12.7	B3/5000		
BH (60°-80°)	1234.2	6.3	B3/2500		G3/2500
BVH (80°-90°)	98.6	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	2187.8	2187.8	2187.8	2187.8	2187.8	2187.8	2187.8	2187.8	2187.8	2187.8
2.5°	2165.0	2177.4	2174.3	2169.1	2168.1	2170.1	2173.3	2176.4	2175.3	2180.5
5°	2158.7	2171.2	2170.1	2170.1	2174.3	2182.6	2187.8	2192.9	2187.8	2194.0
7.5°	2162.9	2172.2	2176.4	2180.5	2190.9	2206.4	2218.9	2230.3	2224.0	2231.3
10°	2215.7	2223.0	2227.1	2227.1	2234.4	2252.0	2264.5	2285.2	2280.0	2291.4
12.5°	2312.1	2319.4	2319.4	2315.2	2320.4	2331.8	2336.0	2358.8	2349.4	2368.1
15°	2430.3	2444.8	2433.4	2426.1	2428.2	2439.6	2438.6	2456.2	2446.9	2462.4
17.5°	2560.9	2579.5	2560.9	2559.8	2555.7	2568.1	2569.1	2584.7	2568.1	2579.5
20°	2715.3	2741.2	2725.6	2730.8	2721.5	2726.7	2731.9	2754.7	2728.7	2737.0
22.5°	2932.9	2964.0	2947.4	2967.1	2960.9	2956.7	2955.7	2996.1	2955.7	2958.8
25°	3250.0	3287.3	3258.3	3285.3	3285.3	3298.7	3314.3	3366.1	3298.7	3279.1
27.5°	3718.5	3755.8	3698.8	3715.4	3710.2	3743.3	3726.8	3855.3	3782.7	3750.6
30°	4282.3	4348.6	4240.8	4236.7	4231.5	4284.3	4308.2	4393.1	4319.6	4287.4
32.5°	4891.6	4961.1	4832.6	4795.3	4775.6	4807.7	4788.0	4856.4	4805.6	4755.9
35°	5536.3	5604.7	5482.4	5409.8	5331.1	5263.7	5193.2	5210.8	5163.2	5087.5
37.5°	6145.6	6271.0	6141.5	6063.8	5918.7	5787.1	5590.1	5508.3	5463.7	5394.3
40°	6766.4	6837.9	6739.5	6673.1	6515.6	6309.4	5994.3	5821.3	5761.1	5693.8
42.5°	7223.5	7291.9	7239.0	7193.4	7070.1	6830.7	6423.4	6206.8	6119.7	6044.1
45°	7586.2	7637.0	7603.8	7620.4	7567.5	7335.4	6868.0	6620.3	6530.1	6437.9
47.5°	7732.3	7786.2	7839.1	7937.5	8027.7	7856.7	7345.7	7068.0	6972.7	6878.3
50°	7715.7	7770.7	7924.0	8133.4	8413.2	8356.2	7849.4	7544.7	7456.6	7348.9
52.5°	7583.1	7645.3	7842.2	8190.4	8636.0	8730.3	8362.4	8037.0	7954.1	7825.6
55°	7234.9	7272.2	7567.5	8060.8	8688.9	8991.5	8865.1	8561.4	8478.5	8299.2
57.5°	6589.2	6643.1	7073.2	7711.6	8556.2	9168.7	9306.5	9112.7	9032.9	8774.9
60°	5746.6	5832.7	6324.9	7125.0	8218.4	9167.7	9707.6	9654.8	9588.4	9243.3
62.5°	4793.2	4892.7	5366.3	6295.9	7627.6	8907.5	9958.4	10108.7	10074.5	9675.5
65°	3681.2	3749.6	4221.1	5223.3	6708.4	8348.9	9987.4	10418.6	10424.8	10004.0
67.5°	2451.0	2647.9	3057.3	3919.5	5477.2	7435.9	9732.5	10469.3	10529.5	10117.0
70°	1196.0	1455.1	1856.1	2547.4	3919.5	6035.8	9066.1	10052.7	10186.4	9787.4
72.5°	496.4	580.4	799.0	1257.1	2249.9	4072.9	7727.1	8923.1	9170.8	8672.3
75°	334.7	362.7	457.0	644.6	1025.0	2008.5	5572.5	6653.5	7052.5	6549.8
77.5°	258.1	275.7	332.7	450.8	609.4	759.7	2982.7	4009.7	4215.9	3902.9
80°	203.1	216.6	248.7	328.5	432.2	406.3	1016.7	1816.7	1935.9	1624.0
82.5°	176.2	181.4	178.3	222.8	287.1	237.3	333.7	670.5	740.0	536.8
85°	127.5	142.0	148.2	137.8	152.3	120.2	136.8	237.3	261.2	233.2
87.5°	51.8	76.7	94.3	89.1	56.0	34.2	42.5	69.4	79.8	87.1
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°
2187.8	0°	2187.8	2187.8	2187.8	2187.8	2187.8	2187.8	2187.8	2187.8	2187.8	2187.8
2188.8	2.5°	2189.8	2197.1	2202.3	2208.5	2212.6	2218.9	2231.3	2238.5	2239.6	2244.8
2205.4	5°	2209.5	2219.9	2231.3	2247.9	2266.5	2282.1	2305.9	2322.5	2328.7	2333.9
2245.8	7.5°	2252.0	2266.5	2287.3	2316.3	2343.2	2363.9	2393.0	2412.7	2432.3	2439.6
2310.1	10°	2315.2	2336.0	2366.0	2405.4	2434.4	2461.4	2491.4	2508.0	2527.7	2536.0
2386.7	12.5°	2394.0	2415.8	2455.1	2510.1	2537.0	2555.7	2566.0	2561.9	2566.0	2573.3
2479.0	15°	2484.2	2508.0	2552.6	2611.6	2630.3	2613.7	2590.9	2570.2	2567.1	2569.1
2590.9	17.5°	2590.9	2608.5	2660.3	2710.1	2696.6	2628.2	2578.5	2545.3	2528.7	2523.5
2733.9	20°	2740.1	2740.1	2782.6	2813.7	2723.6	2607.5	2529.8	2475.9	2441.7	2427.2
2928.8	22.5°	2921.5	2904.9	2931.9	2910.1	2718.4	2549.5	2441.7	2348.4	2296.6	2275.9
3201.3	25°	3151.6	3131.9	3124.6	2989.9	2681.1	2457.2	2282.1	2169.1	2123.5	2112.1
3594.1	27.5°	3498.8	3449.0	3354.7	3033.4	2612.7	2312.1	2095.5	1990.9	1964.9	1966.0
4098.8	30°	3961.0	3861.5	3630.4	3040.7	2500.7	2106.9	1904.8	1830.2	1817.8	1823.0
4522.7	32.5°	4389.0	4294.7	3912.3	3007.5	2328.7	1905.9	1733.8	1684.1	1665.4	1671.7
4846.0	35°	4724.8	4698.9	4173.4	2960.9	2117.3	1717.3	1580.5	1538.0	1501.7	1493.4
5150.7	37.5°	5041.9	5031.5	4369.3	2895.6	1907.9	1583.6	1457.1	1401.2	1348.3	1319.3
5487.5	40°	5390.1	5379.8	4497.8	2795.1	1722.4	1467.5	1346.2	1272.7	1207.4	1154.5
5868.9	42.5°	5781.9	5720.7	4559.0	2651.0	1564.9	1369.0	1256.1	1156.6	1070.6	1021.9
6300.1	45°	6209.9	6072.1	4557.9	2467.6	1432.3	1278.9	1159.7	1018.7	938.9	893.3
6742.6	47.5°	6663.8	6407.8	4502.0	2264.5	1303.7	1179.4	1010.5	902.7	849.8	821.8
7223.5	50°	7132.3	6721.9	4406.6	2031.3	1172.1	1066.4	917.2	843.6	803.2	777.3
7700.2	52.5°	7572.7	7006.9	4291.6	1767.0	1038.4	956.6	875.7	818.7	776.2	747.2
8162.4	55°	7982.1	7252.5	4128.9	1496.5	929.6	883.0	856.0	808.4	759.7	725.5
8631.9	57.5°	8345.8	7412.1	3848.0	1242.6	851.9	832.2	835.3	790.7	734.8	705.8
9094.1	60°	8648.5	7529.2	3432.4	1007.3	788.7	782.5	803.2	757.6	692.3	659.1
9484.8	62.5°	8829.8	7527.1	2922.5	824.9	734.8	736.9	760.7	716.1	649.8	618.7
9689.0	65°	8814.3	7342.6	2362.9	705.8	683.0	685.0	716.1	670.5	614.6	595.9
9586.4	67.5°	8502.3	6892.9	1812.6	628.0	626.0	635.3	671.6	639.4	592.8	590.7
8974.9	70°	7657.7	5959.1	1305.8	565.9	566.9	580.4	628.0	619.7	581.4	585.5
7545.8	72.5°	6140.5	4543.4	876.8	500.6	501.6	523.4	586.6	604.2	570.0	624.9
5353.9	75°	4089.5	2833.4	563.8	431.1	432.2	460.1	550.3	574.1	538.9	622.9
2785.7	77.5°	1964.9	1273.7	408.3	362.7	362.7	388.6	475.7	514.0	459.1	484.0
895.4	80°	678.8	478.8	321.3	292.3	286.0	303.7	401.1	445.6	395.9	364.8
292.3	82.5°	267.4	248.7	258.1	227.0	206.2	217.6	311.9	367.9	291.2	263.2
164.8	85°	153.4	161.7	182.4	150.3	119.2	133.7	229.0	264.3	219.7	193.8
53.9	87.5°	41.5	57.0	83.9	77.7	53.9	57.0	108.8	146.1	126.4	97.4
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

<u>180°</u>
2187.8
2243.7
2332.9
2440.6
2540.1
2575.4
2576.4
2530.8
2424.1
2272.7
2114.2
1969.1
1840.6
1679.9
1499.6
1320.3
1159.7
1025.0
891.3
815.6
767.9
734.8
712.0
687.1
644.6
609.4
594.9
593.8
584.5
633.2
628.0
443.6
342.0
262.2
197.9
100.5
0.0

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