

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: P952251

Luminaire Tested: **GALN-SB6A-930-U-SL3**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952251
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-12)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB6A-930-U-SL3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18494 lumens
Efficiency: N/A
Efficacy: 108.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B2 - U0 - G3

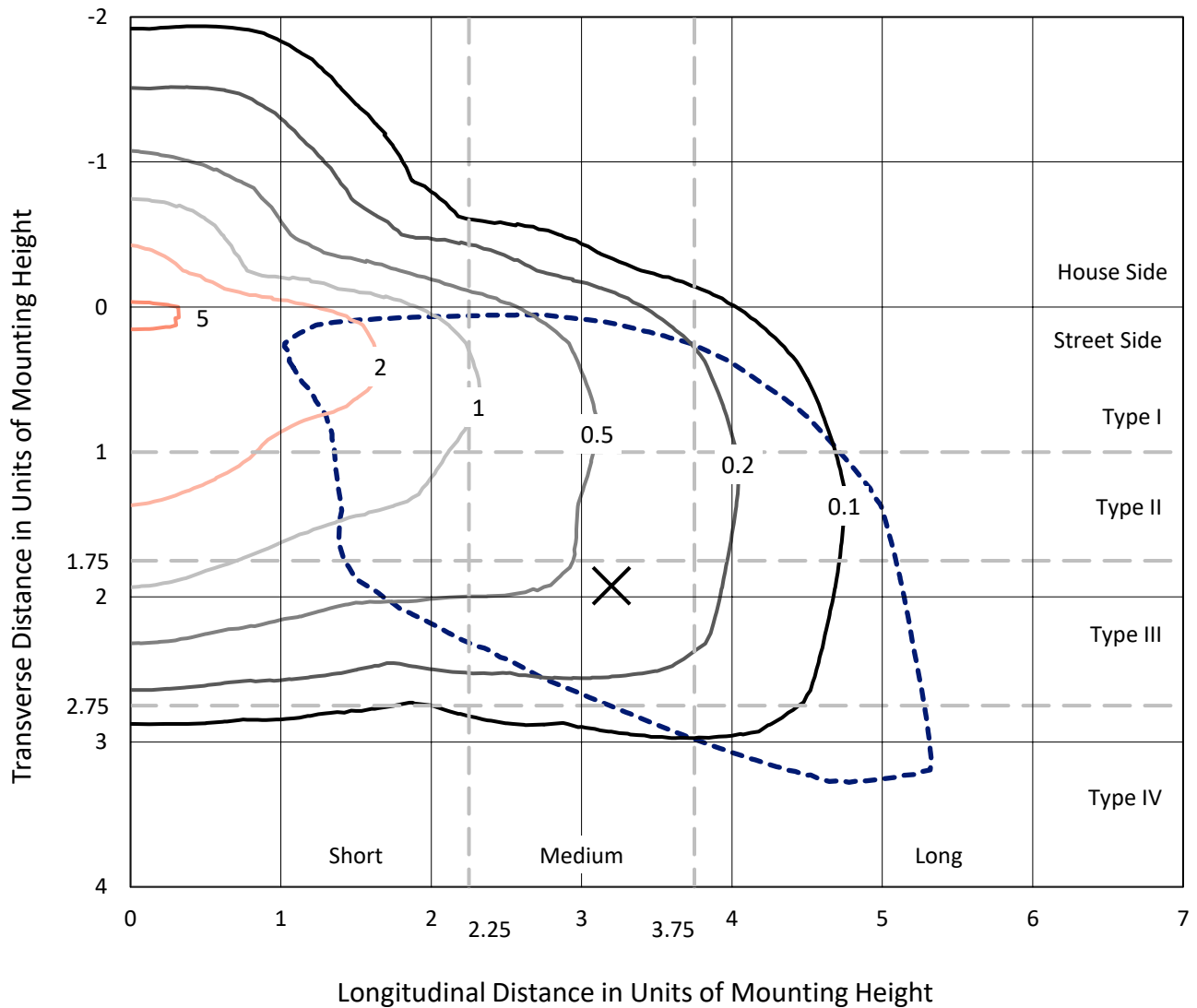
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

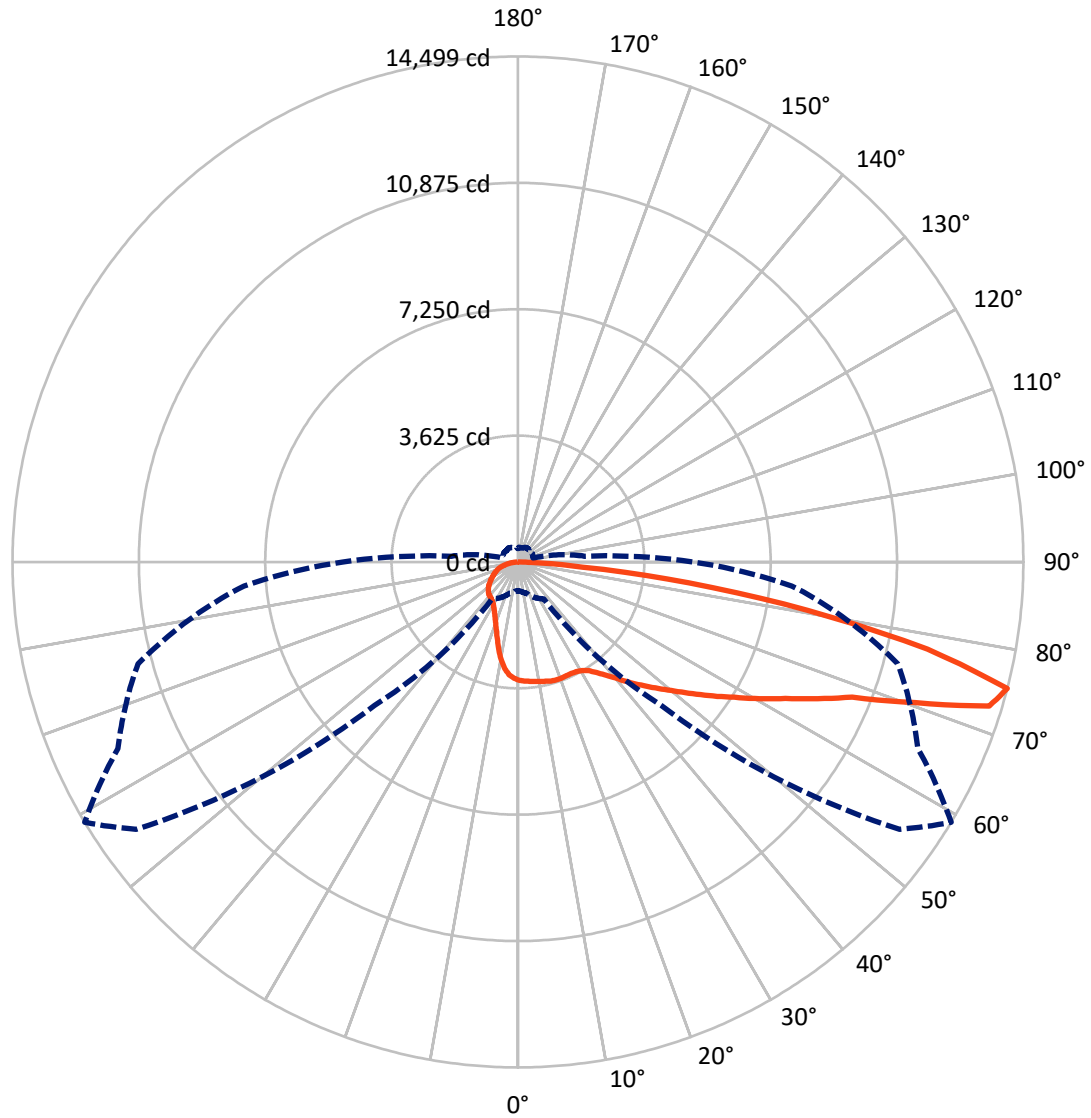
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.4 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3468.7	0.0	3468.7
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	15025.3	0.0	15025.3
	% Fixture	81.2	0.0	81.2
Total	Lumens	18494.0	0.0	18494.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	304.4	1.6
10°-20°	778.0	4.2
20°-30°	1181.7	6.4
30°-40°	1756.6	9.5
40°-50°	2612.4	14.1
50°-60°	3546.0	19.2
60°-70°	4329.1	23.4
70°-80°	3397.4	18.4
80°-90°	588.5	3.2
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°	18494.0	100.0
0°-180°	18494.0	100.0

Coefficient of Utilization



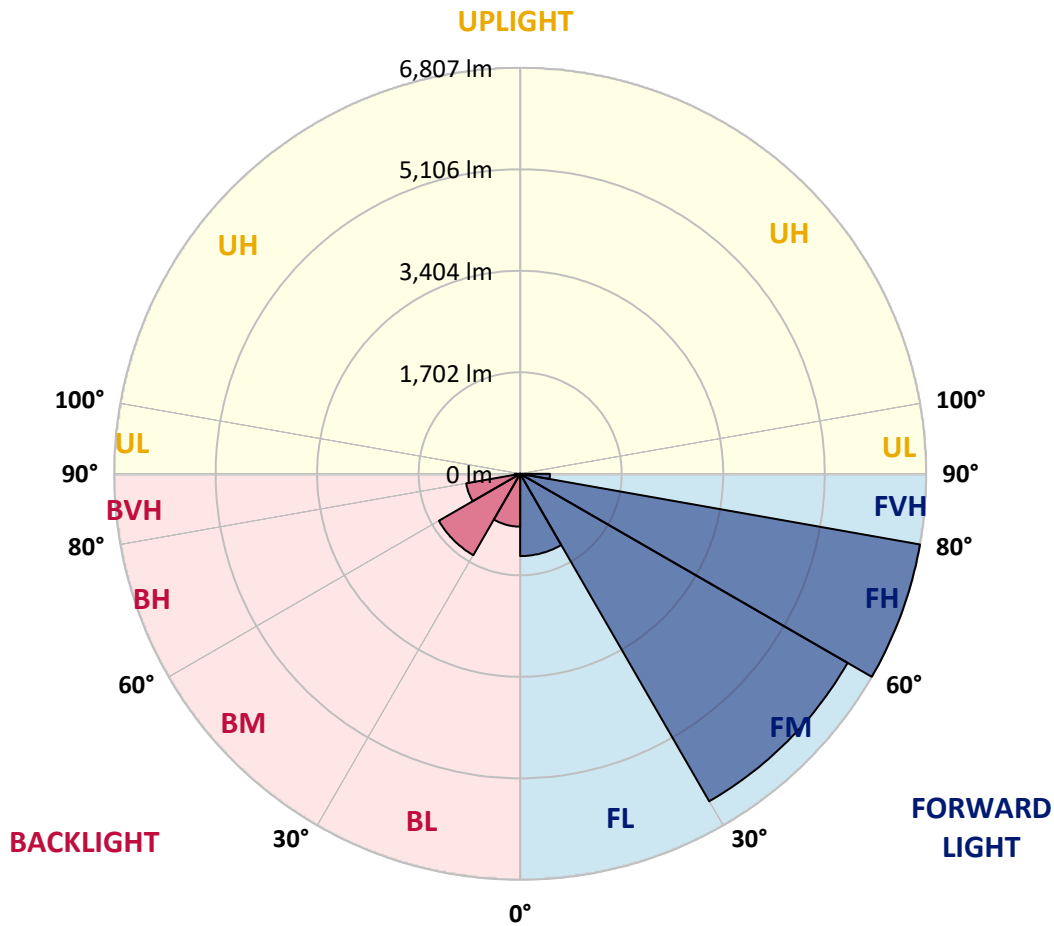
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1378.9	7.5			
FM (30°-60°)	6340.5	34.3			
FH (60°-80°)	6807.5	36.8			G3/7500
FVH (80°-90°)	498.4	2.7			G3/500
BL (0°-30°)	885.2	4.8	B2/1000		
BM (30°-60°)	1574.4	8.5	B2/2500		
BH (60°-80°)	919.0	5.0	B2/1000		G2/1000
BVH (80°-90°)	90.1	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-G3

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°
0°	3394.5	3394.5	3394.5	3394.5	3394.5	3394.5	3394.5	3394.5	3394.5	3394.5
2.5°	3423.4	3411.4	3423.4	3418.4	3416.4	3412.4	3413.4	3420.4	3416.4	3421.4
5°	3400.5	3393.5	3405.5	3402.5	3415.4	3417.4	3430.3	3438.3	3443.3	3444.3
7.5°	3362.7	3355.7	3372.6	3386.6	3414.4	3422.4	3449.3	3462.2	3469.1	3481.1
10°	3224.4	3221.4	3263.2	3315.9	3381.6	3422.4	3463.2	3485.1	3496.0	3527.8
12.5°	2979.7	2983.6	3038.4	3139.8	3271.2	3402.5	3479.1	3510.9	3527.8	3567.6
15°	2745.9	2744.9	2804.6	2913.0	3097.1	3314.9	3487.1	3541.8	3570.6	3629.3
17.5°	2610.6	2606.6	2648.4	2730.9	2902.1	3180.6	3467.2	3558.7	3620.4	3694.0
20°	2585.7	2577.7	2599.6	2640.4	2761.8	3033.4	3415.4	3558.7	3660.2	3755.7
22.5°	2676.2	2663.3	2654.3	2649.4	2703.1	2912.0	3356.7	3546.7	3718.9	3844.2
25°	2858.3	2838.4	2792.6	2747.9	2731.9	2857.3	3305.0	3543.8	3806.4	3963.6
27.5°	3152.8	3127.9	3035.4	2927.9	2831.4	2885.2	3282.1	3561.7	3902.9	4090.0
30°	3517.9	3491.0	3374.6	3209.5	3036.4	2988.6	3311.0	3614.4	4026.3	4258.1
32.5°	3845.2	3815.4	3715.9	3547.7	3313.9	3167.7	3402.5	3714.9	4220.3	4491.9
35°	4135.7	4100.9	4011.4	3856.2	3654.2	3419.4	3567.6	3893.0	4495.9	4871.9
37.5°	4420.3	4379.5	4282.0	4117.8	3976.5	3754.7	3795.5	4121.8	4862.0	5333.6
40°	4738.6	4679.9	4561.5	4399.4	4262.1	4147.7	4094.9	4402.3	5234.1	5848.9
42.5°	5047.0	4991.3	4850.0	4711.8	4539.6	4506.8	4442.1	4730.7	5641.0	6415.0
45°	5379.3	5312.7	5141.5	4966.4	4858.0	4745.6	4778.4	5059.0	6039.9	6992.0
47.5°	5690.7	5616.1	5414.1	5219.1	5159.5	4946.5	5086.8	5420.1	6454.8	7577.0
50°	5858.9	5785.2	5617.1	5441.0	5394.2	5194.3	5421.1	5817.1	6889.5	8160.0
52.5°	5999.1	5919.5	5699.7	5602.2	5588.2	5463.9	5833.0	6270.7	7324.3	8675.4
55°	6148.4	6059.8	5779.3	5691.7	5755.4	5766.3	6321.5	6785.1	7783.9	9177.8
57.5°	6320.5	6208.1	5855.9	5767.3	5918.5	6120.5	6882.6	7318.3	8235.6	9643.4
60°	6482.6	6369.2	6003.1	5887.7	6094.6	6531.4	7526.3	7964.0	8747.0	10058.2
62.5°	6514.5	6421.0	6120.5	6119.5	6333.4	7010.9	8288.3	8615.7	9193.7	10468.1
65°	5963.3	5904.6	5726.5	6110.6	6675.6	7701.4	9137.0	9449.4	9761.8	10826.3
67.5°	4538.6	4546.6	4533.7	5274.9	6399.1	8693.3	10365.7	10341.8	10463.2	11228.2
70°	2075.3	2122.1	2426.5	3641.3	5126.6	8807.7	12397.2	12087.8	11343.6	11748.5
72.5°	1121.2	1157.0	1281.4	1763.9	3082.1	7830.7	13915.4	14135.3	12514.6	12098.7
75°	822.8	842.7	929.2	1121.2	1294.3	5820.1	13371.2	14499.4	12660.9	11281.9
77.5°	615.8	624.8	695.4	888.4	662.6	3068.2	10684.0	12008.2	10838.2	9269.3
80°	446.7	456.7	509.4	666.6	464.6	1122.2	7336.2	8428.6	7422.8	5908.6
82.5°	308.4	312.4	335.3	453.7	324.3	435.8	4162.6	4942.6	4143.7	2073.3
85°	186.0	191.0	201.0	264.6	184.1	206.9	1796.8	1858.4	1238.6	495.5
87.5°	76.6	81.6	89.5	111.4	72.6	57.7	296.5	372.1	231.8	145.3
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°
3394.5	0°	3394.5	3394.5	3394.5	3394.5	3394.5	3394.5	3394.5	3394.5	3394.5	3394.5
3404.5	2.5°	3399.5	3392.5	3373.6	3347.8	3323.9	3294.0	3281.1	3270.2	3260.2	3241.3
3431.3	5°	3420.4	3401.5	3350.8	3285.1	3210.5	3128.9	3049.3	2994.6	2947.8	2913.0
3462.2	7.5°	3452.2	3416.4	3323.9	3189.6	3018.5	2843.4	2685.2	2572.8	2488.2	2457.4
3506.0	10°	3485.1	3442.3	3281.1	3044.3	2748.9	2479.2	2269.3	2153.9	2086.3	2064.4
3557.7	12.5°	3523.9	3461.2	3214.5	2842.4	2447.4	2151.9	1968.9	1901.2	1866.4	1854.5
3621.4	15°	3580.6	3477.1	3114.0	2589.7	2159.9	1913.2	1794.8	1748.0	1730.1	1729.1
3687.0	17.5°	3623.4	3480.1	2957.8	2319.1	1939.0	1768.9	1671.4	1653.5	1665.4	1683.3
3751.7	20°	3671.1	3453.2	2752.8	2072.3	1783.8	1642.5	1601.8	1613.7	1642.5	1668.4
3837.3	22.5°	3704.9	3404.5	2505.1	1880.3	1649.5	1569.9	1567.9	1592.8	1608.7	1621.7
3937.7	25°	3734.8	3321.9	2242.5	1719.2	1539.1	1526.1	1548.0	1540.1	1529.1	1540.1
4038.2	27.5°	3756.7	3191.6	2007.7	1577.9	1461.5	1496.3	1483.4	1465.5	1464.5	1470.4
4156.6	30°	3749.7	3017.5	1814.7	1443.6	1406.8	1440.6	1409.7	1406.8	1403.8	1406.8
4334.7	32.5°	3749.7	2819.5	1666.4	1351.0	1371.9	1359.0	1356.0	1349.1	1337.1	1336.1
4576.5	35°	3770.6	2621.5	1539.1	1301.3	1343.1	1312.2	1314.2	1297.3	1272.5	1260.5
4896.8	37.5°	3813.4	2462.3	1412.7	1277.4	1292.3	1291.4	1283.4	1254.5	1210.8	1173.0
5296.7	40°	3916.8	2415.6	1326.2	1266.5	1268.5	1280.4	1259.5	1203.8	1104.3	1042.6
5702.7	42.5°	4079.0	2494.2	1307.3	1239.6	1252.6	1264.5	1223.7	1094.4	1023.7	986.9
6128.5	45°	4285.0	2631.5	1348.1	1200.8	1214.7	1235.6	1114.3	1052.6	1020.7	1021.7
6550.3	47.5°	4545.6	2775.7	1423.7	1167.0	1160.0	1172.0	1041.6	1003.8	960.1	971.0
6955.2	50°	4847.1	2922.0	1495.3	1121.2	1099.3	1060.5	994.9	959.1	903.4	877.5
7346.2	52.5°	5173.4	3063.2	1524.2	1065.5	1033.7	988.9	963.0	919.3	851.6	808.8
7715.3	55°	5482.8	3191.6	1492.3	998.9	968.0	933.2	929.2	902.4	829.7	770.0
8043.6	57.5°	5775.3	3299.0	1412.7	931.2	901.4	880.5	907.3	894.4	802.9	726.3
8354.0	60°	6023.0	3372.6	1297.3	862.6	841.7	830.7	871.5	867.5	765.1	679.5
8632.6	62.5°	6220.0	3401.5	1170.0	796.9	791.9	772.0	821.8	821.8	717.3	633.7
8877.3	65°	6374.2	3373.6	1040.6	732.2	742.2	712.3	761.1	755.1	666.6	592.9
9158.9	67.5°	6510.5	3282.1	897.4	668.6	691.4	653.6	697.4	683.5	610.9	552.2
9402.6	70°	6571.2	3069.2	734.2	604.9	632.7	595.9	633.7	607.9	548.2	508.4
9135.0	72.5°	6083.7	2550.9	578.0	538.2	562.1	532.3	565.1	535.2	480.5	462.6
7888.4	75°	5033.1	1914.2	444.7	465.6	483.5	460.6	482.5	460.6	410.9	423.8
5827.0	77.5°	3655.2	1292.3	340.2	389.0	397.0	385.0	403.9	379.0	334.3	331.3
2904.1	80°	1817.6	757.1	266.6	307.4	304.4	296.5	318.4	306.4	268.6	284.5
784.0	82.5°	526.3	324.3	194.0	215.9	209.9	211.9	227.8	233.8	350.2	347.2
243.7	85°	165.2	127.3	116.4	120.4	114.4	117.4	134.3	266.6	246.7	144.3
75.6	87.5°	42.8	43.8	28.9	30.8	31.8	37.8	42.8	162.2	77.6	50.7
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>
3394.5
3232.4
2884.2
2403.6
2030.6
1857.4
1733.1
1690.3
1677.4
1628.6
1547.0
1480.4
1417.7
1349.1
1272.5
1185.9
1050.6
986.9
1026.7
998.9
884.4
807.8
770.0
722.3
676.5
630.8
589.0
548.2
500.4
447.7
387.0
316.4
281.6
355.2
156.2
53.7
0.0

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