

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: P953658

Luminaire Tested: **GALN-SB7A-927-U-SL3**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953658
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-SB7A-927-U-SL3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 90 CRI, 2700K, 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: 18978 lumens
Efficiency: N/A
Efficacy: 95.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B2 - U0 - G4

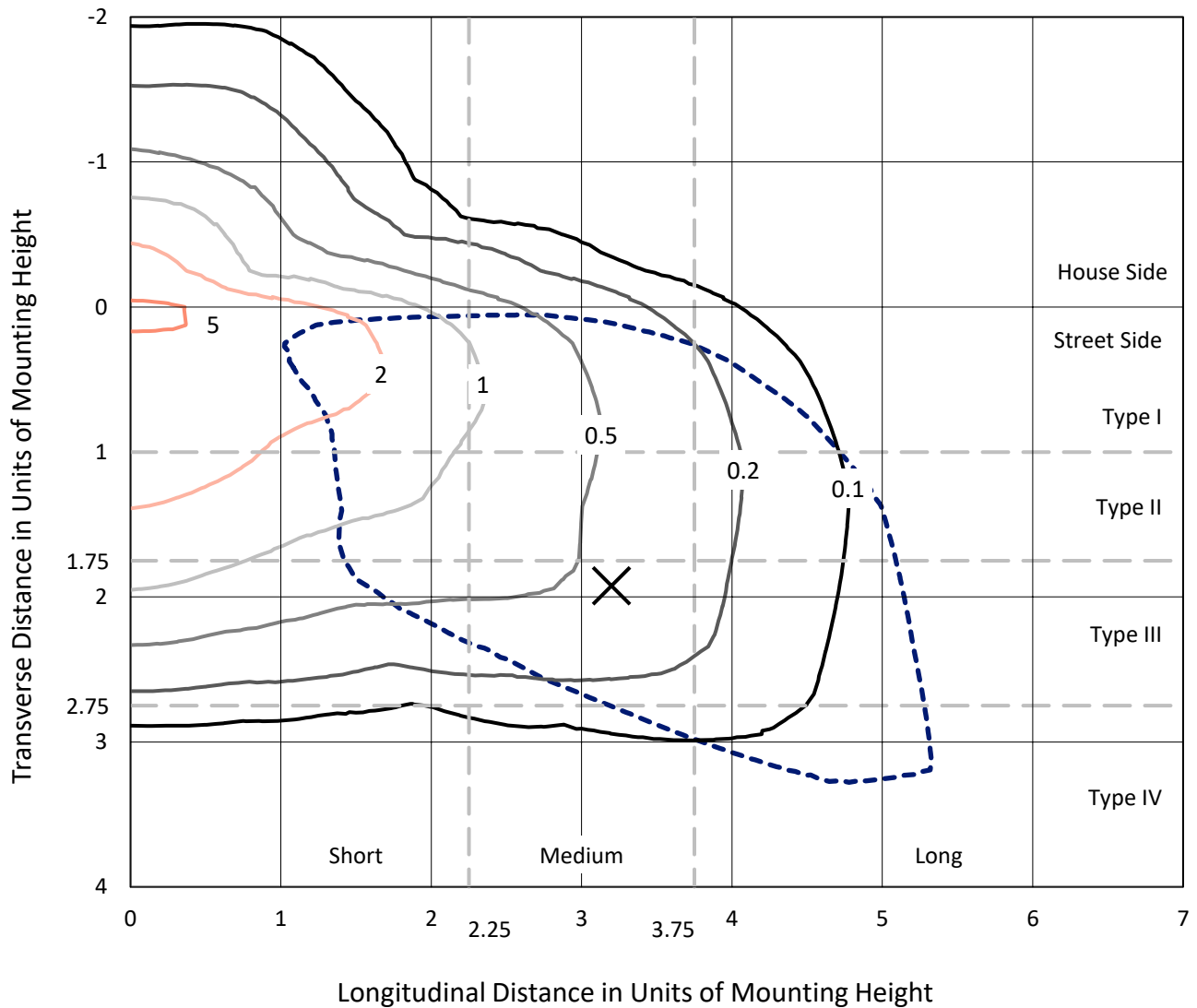
Input Watts (W): 199.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

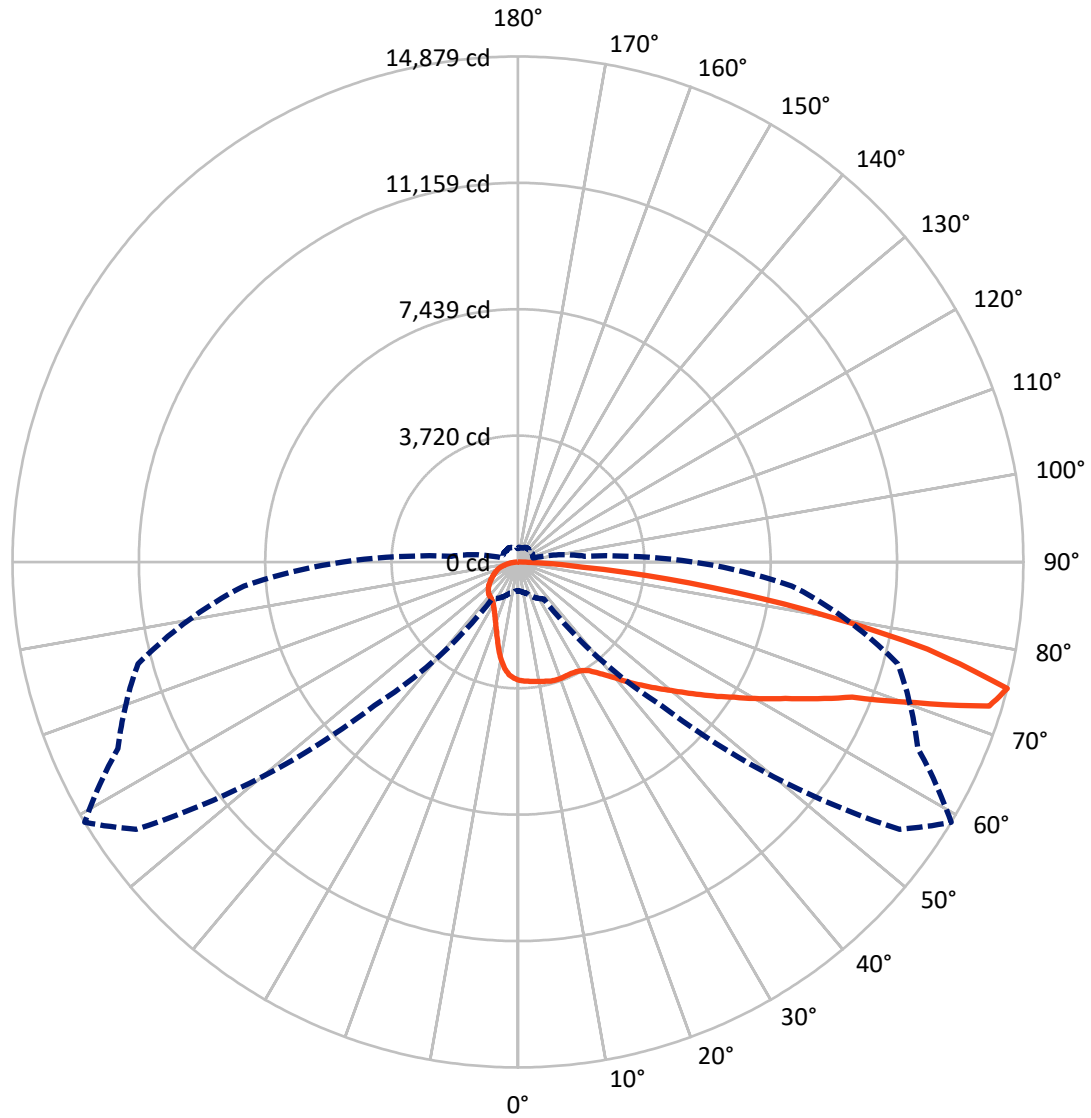
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.6 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	3559.5	0.0	3559.5
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	15418.5	0.0	15418.5
	% Fixture	81.2	0.0	81.2
Total	Lumens	18978.0	0.0	18978.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	312.3	1.6
10°-20°	798.4	4.2
20°-30°	1212.7	6.4
30°-40°	1802.6	9.5
40°-50°	2680.7	14.1
50°-60°	3638.8	19.2
60°-70°	4442.4	23.4
70°-80°	3486.3	18.4
80°-90°	603.9	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°	18978.0	100.0
0°-180°	18978.0	100.0

Coefficient of Utilization



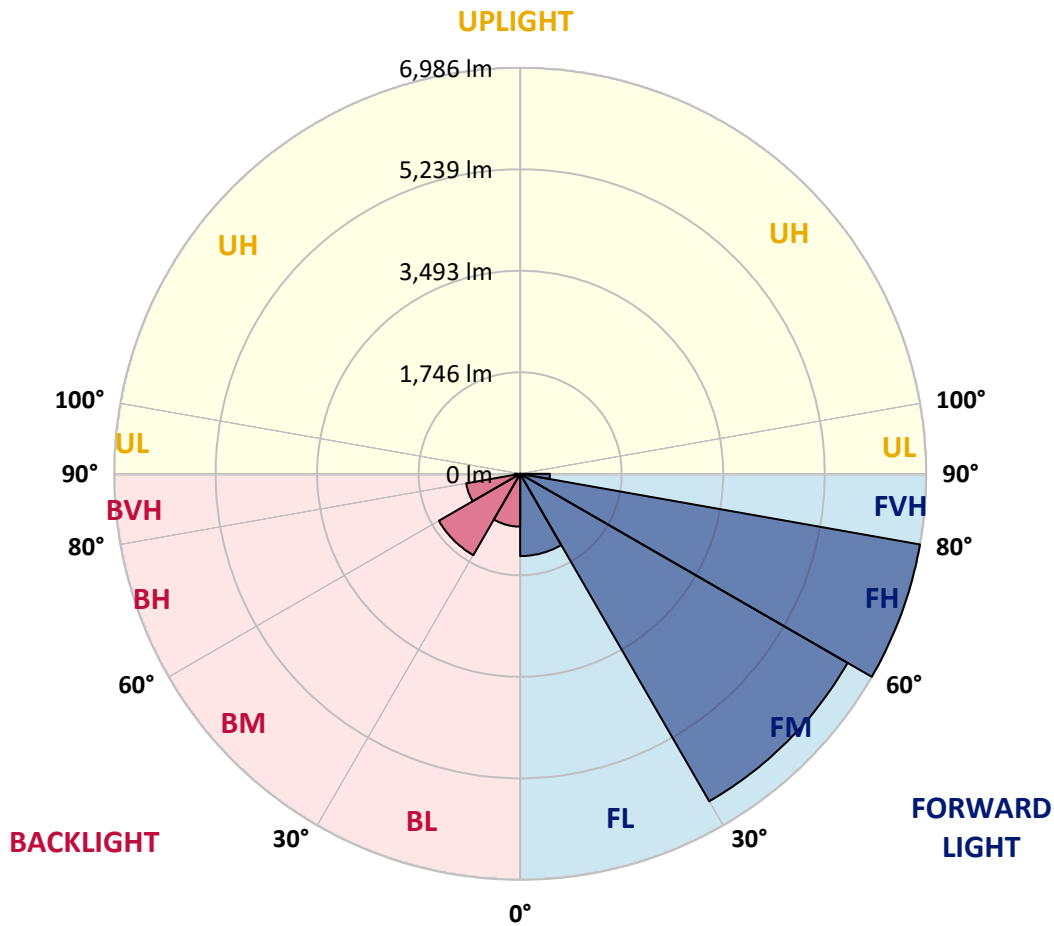
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1415.0	7.5			
FM (30°-60°)	6506.4	34.3			
FH (60°-80°)	6985.6	36.8			G3/7500
FVH (80°-90°)	511.5	2.7			G4/750
BL (0°-30°)	908.3	4.8	B2/1000		
BM (30°-60°)	1615.6	8.5	B2/2500		
BH (60°-80°)	943.0	5.0	B2/1000		G2/1000
BVH (80°-90°)	92.4	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-G4

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°
0°	3483.4	3483.4	3483.4	3483.4	3483.4	3483.4	3483.4	3483.4	3483.4	3483.4
2.5°	3513.0	3500.7	3513.0	3507.9	3505.8	3501.7	3502.8	3509.9	3505.8	3510.9
5°	3489.5	3482.3	3494.6	3491.5	3504.8	3506.9	3520.1	3528.3	3533.4	3534.4
7.5°	3450.7	3443.6	3460.9	3475.2	3503.8	3512.0	3539.5	3552.8	3559.9	3572.2
10°	3308.8	3305.7	3348.6	3402.7	3470.1	3512.0	3553.8	3576.3	3587.5	3620.2
12.5°	3057.6	3061.7	3117.9	3222.0	3356.8	3491.5	3570.1	3602.8	3620.2	3661.0
15°	2817.7	2816.7	2878.0	2989.2	3178.1	3401.7	3578.3	3634.5	3664.1	3724.3
17.5°	2678.9	2674.8	2717.7	2802.4	2978.0	3263.9	3557.9	3651.8	3715.1	3790.7
20°	2653.4	2645.2	2667.7	2709.5	2834.1	3112.8	3504.8	3651.8	3756.0	3854.0
22.5°	2746.3	2733.0	2723.8	2718.7	2773.8	2988.2	3444.6	3639.6	3816.2	3944.8
25°	2933.1	2912.7	2865.7	2819.8	2803.4	2932.1	3391.5	3636.5	3906.0	4067.3
27.5°	3235.3	3209.8	3114.8	3004.6	2905.5	2960.7	3368.0	3654.9	4005.1	4197.0
30°	3610.0	3582.4	3463.0	3293.5	3115.8	3066.8	3397.6	3709.0	4131.7	4369.5
32.5°	3945.8	3915.2	3813.1	3640.6	3400.7	3250.6	3491.5	3812.1	4330.7	4609.4
35°	4244.0	4208.2	4116.3	3957.1	3749.8	3508.9	3661.0	3994.8	4613.5	4999.4
37.5°	4535.9	4494.1	4394.0	4225.6	4080.6	3852.9	3894.8	4229.7	4989.2	5473.1
40°	4862.6	4802.4	4680.9	4514.5	4373.6	4256.2	4202.1	4517.6	5371.0	6002.0
42.5°	5179.1	5121.9	4977.0	4835.1	4658.4	4624.8	4558.4	4854.5	5788.6	6582.9
45°	5520.1	5451.7	5276.1	5096.4	4985.1	4869.8	4903.5	5191.4	6198.0	7175.0
47.5°	5839.6	5763.1	5555.8	5355.7	5294.5	5076.0	5219.9	5562.0	6623.7	7775.3
50°	6012.2	5936.6	5764.1	5583.4	5535.4	5330.2	5563.0	5969.3	7069.9	8373.6
52.5°	6156.1	6074.5	5848.8	5748.8	5734.5	5606.9	5985.6	6434.8	7516.0	8902.4
55°	6309.3	6218.4	5930.5	5840.7	5906.0	5917.2	6486.9	6962.7	7987.7	9418.0
57.5°	6485.9	6370.5	6009.1	5918.3	6073.4	6280.7	7062.7	7509.9	8451.2	9895.8
60°	6652.3	6535.9	6160.2	6041.8	6254.1	6702.3	7723.2	8172.4	8975.9	10321.5
62.5°	6685.0	6589.0	6280.7	6279.7	6499.2	7194.4	8505.3	8841.1	9434.3	10742.1
65°	6119.4	6059.1	5876.4	6270.5	6850.4	7902.9	9376.1	9696.7	10017.2	11109.6
67.5°	4657.4	4665.6	4652.3	5412.9	6566.5	8920.8	10636.9	10612.4	10737.0	11522.1
70°	2129.6	2177.6	2490.0	3736.6	5260.8	9038.2	12721.6	12404.1	11640.5	12056.0
72.5°	1150.6	1187.3	1314.9	1810.1	3162.8	8035.6	14279.6	14505.2	12842.1	12415.4
75°	844.3	864.7	953.5	1150.6	1328.2	5972.4	13721.1	14878.8	12992.2	11577.2
77.5°	631.9	641.1	713.6	911.7	679.9	3148.5	10963.6	12322.5	11121.9	9511.9
80°	458.4	468.6	522.7	684.0	476.8	1151.6	7528.2	8649.2	7617.1	6063.2
82.5°	316.5	320.6	344.0	465.5	332.8	447.2	4271.5	5071.9	4252.1	2127.6
85°	190.9	196.0	206.2	271.6	188.9	212.4	1843.8	1907.1	1271.0	508.4
87.5°	78.6	83.7	91.9	114.3	74.5	59.2	304.2	381.8	237.9	149.1
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°
3483.4	0°	3483.4	3483.4	3483.4	3483.4	3483.4	3483.4	3483.4	3483.4	3483.4	3483.4
3493.6	2.5°	3488.5	3481.3	3461.9	3435.4	3410.9	3380.3	3367.0	3355.8	3345.5	3326.1
3521.1	5°	3509.9	3490.5	3438.4	3371.1	3294.5	3210.8	3129.1	3073.0	3025.0	2989.2
3552.8	7.5°	3542.6	3505.8	3410.9	3273.1	3097.5	2917.8	2755.5	2640.1	2553.3	2521.7
3597.7	10°	3576.3	3532.4	3367.0	3124.0	2820.8	2544.1	2328.7	2210.3	2140.9	2118.4
3650.8	12.5°	3616.1	3551.8	3298.6	2916.8	2511.5	2208.2	2020.4	1951.0	1915.2	1903.0
3716.1	15°	3674.3	3568.1	3195.5	2657.4	2216.4	1963.2	1841.7	1793.8	1775.4	1774.4
3783.5	17.5°	3718.2	3571.2	3035.2	2379.8	1989.8	1815.2	1715.1	1696.8	1709.0	1727.4
3849.9	20°	3767.2	3543.6	2824.9	2126.6	1830.5	1685.5	1643.7	1655.9	1685.5	1712.1
3937.7	22.5°	3801.9	3493.6	2570.7	1929.5	1692.7	1611.0	1609.0	1634.5	1650.8	1664.1
4040.8	25°	3832.5	3408.8	2301.1	1764.1	1579.4	1566.1	1588.5	1580.4	1569.1	1580.4
4143.9	27.5°	3855.0	3275.1	2060.2	1619.2	1499.7	1535.5	1522.2	1503.8	1502.8	1508.9
4265.4	30°	3847.8	3096.4	1862.2	1481.4	1443.6	1478.3	1446.6	1443.6	1440.5	1443.6
4448.1	32.5°	3847.8	2893.3	1710.0	1386.4	1407.8	1394.6	1391.5	1384.4	1372.1	1371.1
4696.2	35°	3869.3	2690.1	1579.4	1335.4	1378.2	1346.6	1348.6	1331.3	1305.8	1293.5
5025.0	37.5°	3913.2	2526.8	1449.7	1310.9	1326.2	1325.2	1317.0	1287.4	1242.5	1203.7
5435.4	40°	4019.4	2478.8	1360.9	1299.6	1301.7	1313.9	1292.5	1235.3	1133.2	1069.9
5851.9	42.5°	4185.8	2559.4	1341.5	1272.1	1285.3	1297.6	1255.7	1123.0	1050.5	1012.7
6288.9	45°	4397.1	2700.3	1383.3	1232.2	1246.5	1268.0	1143.4	1080.1	1047.5	1048.5
6721.7	47.5°	4664.6	2848.4	1460.9	1197.5	1190.4	1202.6	1068.9	1030.1	985.2	996.4
7137.2	50°	4973.9	2998.4	1534.4	1150.6	1128.1	1088.3	1020.9	984.2	927.0	900.4
7538.5	52.5°	5308.8	3143.4	1564.0	1093.4	1060.7	1014.8	988.2	943.3	873.9	830.0
7917.2	55°	5626.3	3275.1	1531.4	1025.0	993.4	957.6	953.5	926.0	851.4	790.2
8254.1	57.5°	5926.4	3385.4	1449.7	955.6	925.0	903.5	931.1	917.8	823.9	745.3
8572.6	60°	6180.6	3460.9	1331.3	885.1	863.7	852.5	894.3	890.2	785.1	697.3
8858.5	62.5°	6382.8	3490.5	1200.6	817.8	812.7	792.2	843.3	843.3	736.1	650.3
9109.6	65°	6541.0	3461.9	1067.9	751.4	761.6	731.0	781.0	774.9	684.0	608.5
9398.6	67.5°	6680.9	3368.0	920.9	686.1	709.5	670.7	715.7	701.4	626.8	566.6
9648.7	70°	6743.2	3149.5	753.4	620.7	649.3	611.5	650.3	623.8	562.5	521.7
9374.1	72.5°	6242.9	2617.6	593.2	552.3	576.8	546.2	579.9	549.3	493.1	474.7
8094.9	75°	5164.8	1964.2	456.4	477.8	496.2	472.7	495.1	472.7	421.6	434.9
5979.5	77.5°	3750.8	1326.2	349.2	399.2	407.3	395.1	414.5	389.0	343.0	340.0
2980.1	80°	1865.2	776.9	273.6	315.5	312.4	304.2	326.7	314.4	275.6	292.0
804.5	82.5°	540.1	332.8	199.1	221.5	215.4	217.5	233.8	239.9	359.4	356.3
250.1	85°	169.5	130.7	119.4	123.5	117.4	120.5	137.8	273.6	253.2	148.0
77.6	87.5°	43.9	44.9	29.6	31.6	32.7	38.8	43.9	166.4	79.6	52.1
0.0	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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180°
3483.4
3317.0
2959.6
2466.5
2083.7
1906.1
1778.4
1734.5
1721.3
1671.2
1587.5
1519.1
1454.8
1384.4
1305.8
1216.9
1078.1
1012.7
1053.6
1025.0
907.6
829.0
790.2
741.2
694.2
647.3
604.4
562.5
513.5
459.4
397.1
324.7
288.9
364.5
160.3
55.1
0.0

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