

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: P940445

Luminaire Tested: **GALN-SB3C-735-U-T2**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P940445  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB3C-735-U-T2  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 22264 lumens  
Efficiency: N/A  
Efficacy: 149.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G3

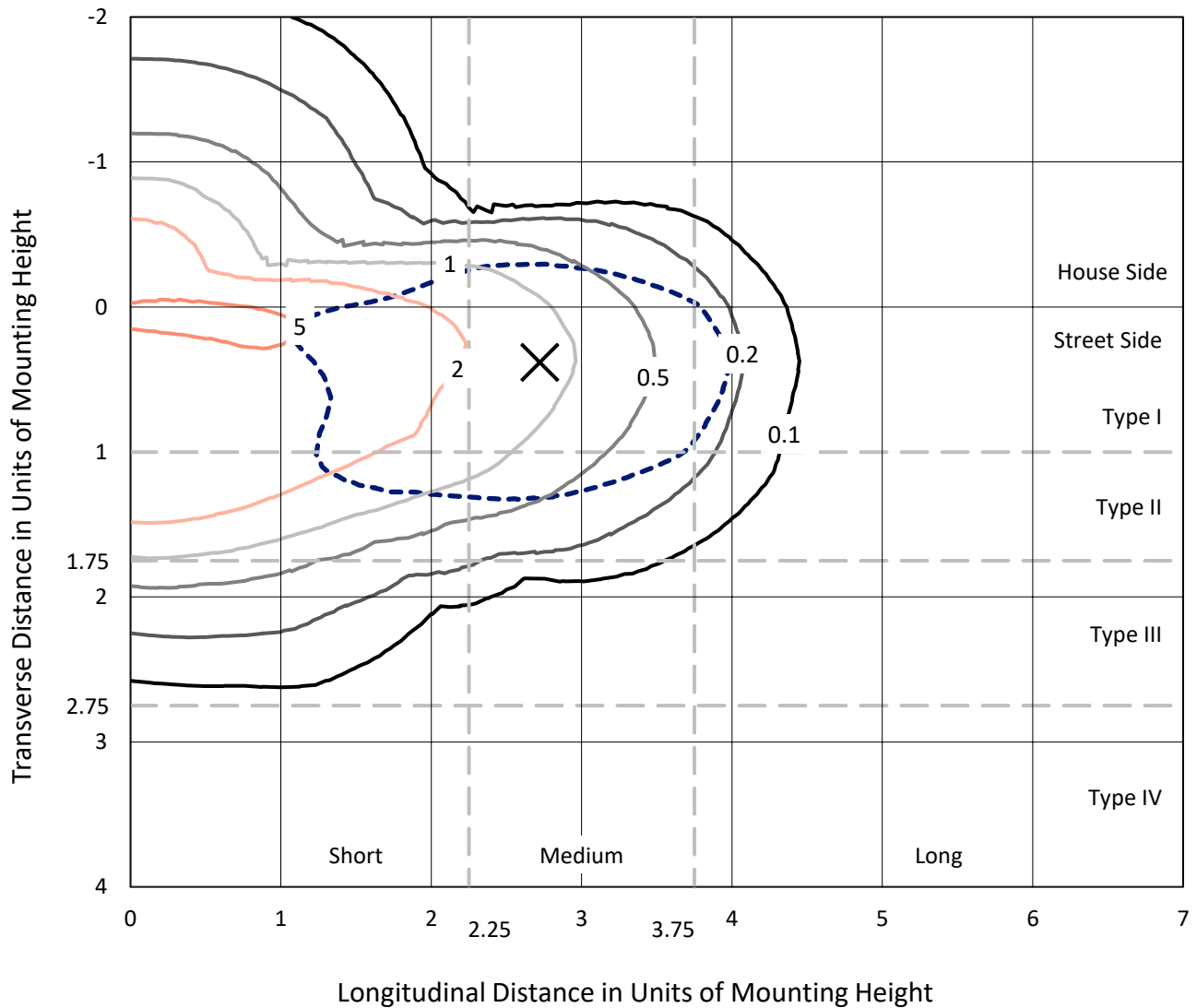
Input Watts (W): 149.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

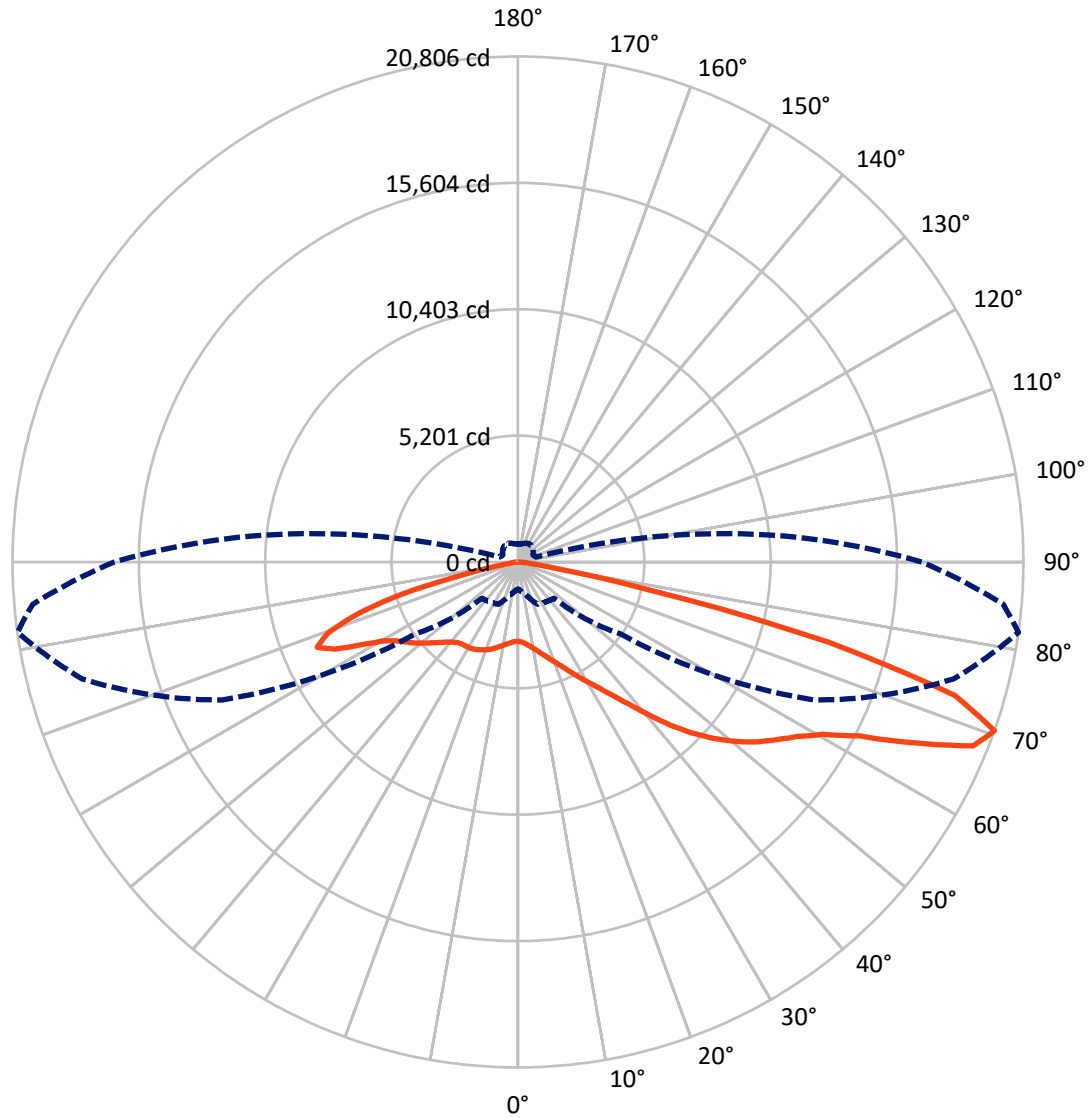
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.9 fc  
 Type II - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5488.6	0.0	5488.6
	% Fixture	24.7	0.0	24.7
<b>Street Side</b>	Lumens	16775.4	0.0	16775.4
	% Fixture	75.3	0.0	75.3
<b>Total</b>	Lumens	22264.0	0.0	22264.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	308.2	1.4
10°-20°	885.5	4.0
20°-30°	1481.3	6.7
30°-40°	2314.2	10.4
40°-50°	3685.6	16.6
50°-60°	5128.9	23.0
60°-70°	5365.1	24.1
70°-80°	2804.1	12.6
80°-90°	291.2	1.3
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°	22264.0	100.0
0°-180°	22264.0	100.0

**Coefficient of Utilization**



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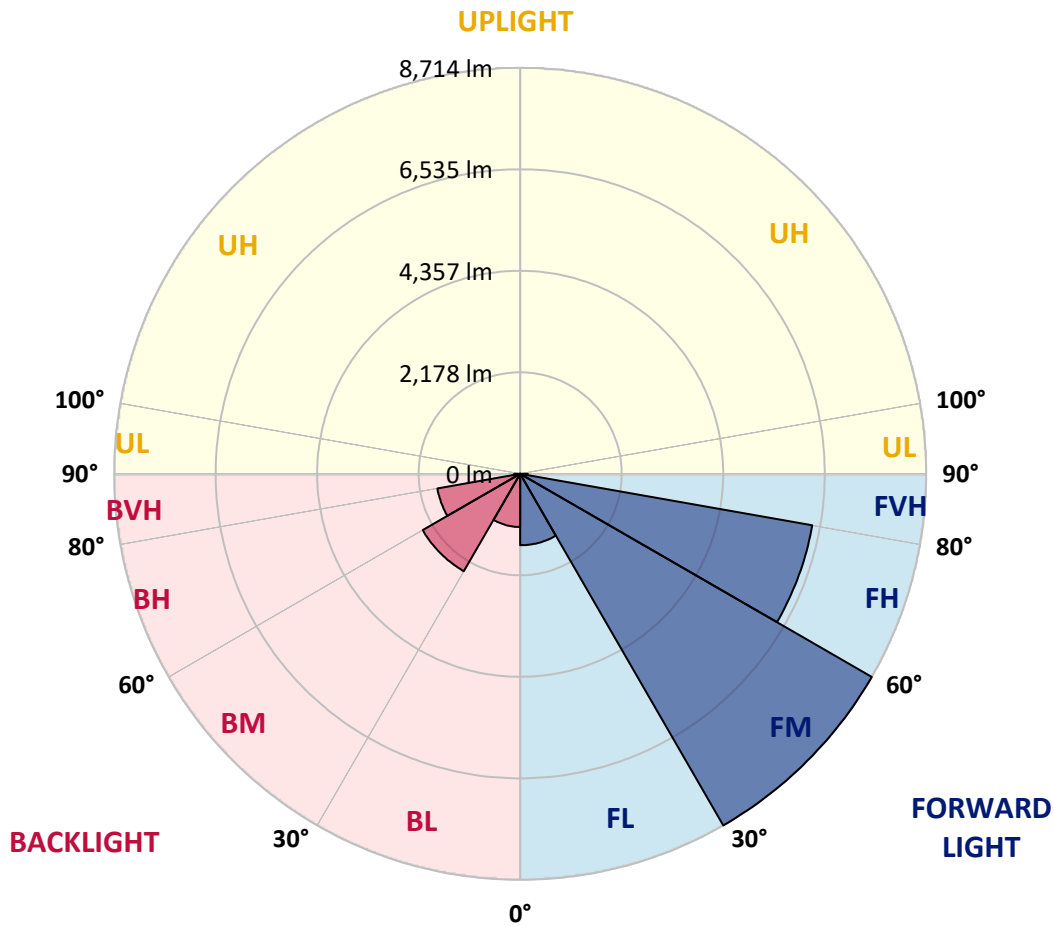
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1533.1	6.9			
FM (30°-60°)	8713.9	39.1			
FH (60°-80°)	6365.4	28.6			G3/7500
FVH (80°-90°)	163.0	0.7			G2/225
BL (0°-30°)	1141.8	5.1	B3/2500		
BM (30°-60°)	2414.8	10.8	B2/2500		
BH (60°-80°)	1803.8	8.1	B3/2500		G3/2500
BVH (80°-90°)	128.2	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G3**

Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	3264.2	3264.2	3264.2	3264.2	3264.2	3264.2	3264.2	3264.2	3264.2	3264.2
2.5°	3342.2	3361.1	3355.1	3349.2	3349.2	3341.0	3339.8	3328.0	3318.5	3303.2
5°	3384.7	3404.8	3402.4	3407.1	3422.5	3426.0	3429.6	3422.5	3403.6	3384.7
7.5°	3346.9	3369.3	3376.4	3404.8	3452.0	3494.6	3526.4	3539.4	3521.7	3494.6
10°	3219.3	3244.1	3268.9	3336.2	3420.1	3520.5	3605.6	3656.4	3652.9	3626.9
12.5°	2960.6	2986.6	3039.7	3170.9	3324.4	3501.6	3659.9	3766.3	3802.9	3784.0
15°	2753.8	2776.3	2816.4	2951.1	3150.8	3420.1	3680.0	3886.8	3980.1	3969.5
17.5°	2747.9	2757.4	2782.2	2846.0	2999.5	3292.5	3658.8	4004.9	4183.3	4182.1
20°	2851.9	2855.4	2869.6	2882.6	2970.0	3195.7	3604.4	4103.0	4411.3	4411.3
22.5°	2996.0	2993.6	3007.8	2996.0	3038.5	3187.4	3570.2	4189.2	4665.3	4684.2
25°	3212.2	3200.4	3196.8	3169.7	3177.9	3264.2	3608.0	4287.3	4966.6	5005.5
27.5°	3500.5	3481.6	3468.6	3405.9	3384.7	3422.5	3723.7	4405.4	5302.1	5369.4
30°	3876.1	3841.9	3823.0	3714.3	3637.5	3643.4	3898.6	4562.5	5653.0	5761.6
32.5°	4388.9	4335.7	4284.9	4106.5	3965.9	3919.9	4124.2	4779.9	6033.4	6207.0
35°	4963.0	4920.5	4866.1	4590.9	4374.7	4268.4	4429.0	5083.5	6478.7	6754.0
37.5°	5515.9	5479.3	5505.3	5134.3	4855.5	4700.8	4828.3	5491.1	7028.1	7434.5
40°	6087.7	6059.3	6062.9	5708.5	5383.6	5209.9	5312.7	6002.6	7657.8	8243.7
42.5°	6709.1	6687.8	6617.0	6302.7	5937.7	5775.8	5870.3	6593.3	8333.5	9165.2
45°	7405.0	7392.0	7325.8	6965.5	6547.3	6365.3	6492.9	7245.5	9012.8	10032.4
47.5°	8006.3	8016.9	8008.6	7705.0	7271.5	7004.5	7156.9	7925.9	9644.9	10847.5
50°	8295.7	8351.2	8432.8	8338.3	8068.9	7797.2	7826.7	8582.8	10247.4	11611.9
52.5°	8144.5	8249.6	8471.7	8623.0	8726.9	8670.2	8591.1	9234.9	10814.4	12301.8
55°	7581.0	7728.7	8097.2	8462.3	8992.7	9405.0	9509.0	9957.9	11367.3	12909.0
57.5°	6554.4	6794.2	7125.0	7863.3	8756.5	9760.6	10579.3	10960.9	11953.3	13557.6
60°	4794.1	5115.4	5526.5	6625.2	7929.5	9570.4	11490.2	12501.5	12786.2	14397.6
62.5°	3068.1	3266.5	3644.6	4679.5	6178.7	8595.8	11769.0	14427.1	14197.9	15775.1
65°	2100.5	2228.1	2574.2	3155.5	3994.3	6398.4	11022.4	15870.8	16440.2	17958.3
67.5°	1526.4	1623.2	1918.6	2427.8	2602.6	3786.4	8553.3	15804.6	18619.9	20207.7
70°	1112.9	1181.4	1429.5	1918.6	2002.5	2106.4	5181.6	13434.8	18572.6	20805.5
72.5°	824.6	871.9	1038.4	1488.6	1620.9	1422.4	2564.8	9764.2	15959.4	18818.4
75°	596.6	632.0	754.9	1138.9	1297.2	1083.3	1279.4	5706.1	11132.2	13237.5
77.5°	456.0	483.2	563.5	834.1	1038.4	812.8	793.9	2625.0	5278.5	5304.4
80°	366.2	384.0	427.7	587.2	796.3	608.4	517.4	1059.7	1668.1	1411.8
82.5°	269.4	298.9	361.5	412.3	569.4	419.4	315.4	535.2	634.4	545.8
85°	153.6	173.7	218.6	295.3	363.9	256.4	180.8	237.5	295.3	242.2
87.5°	54.3	70.9	76.8	115.8	158.3	106.3	69.7	68.5	96.9	72.1
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°
3264.2	0°	3264.2	3264.2	3264.2	3264.2	3264.2	3264.2	3264.2	3264.2	3264.2	3264.2
3299.6	2.5°	3287.8	3281.9	3258.3	3226.4	3193.3	3161.4	3150.8	3128.3	3113.0	3104.7
3376.4	5°	3354.0	3335.1	3279.5	3208.7	3134.2	3053.9	2997.2	2945.2	2907.4	2872.0
3481.6	7.5°	3448.5	3415.4	3319.7	3195.7	3063.3	2929.8	2830.6	2755.0	2704.2	2671.1
3604.4	10°	3558.3	3507.5	3361.1	3175.6	2971.2	2779.8	2662.9	2597.9	2566.0	2548.3
3745.0	12.5°	3684.8	3612.7	3403.6	3129.5	2830.6	2612.1	2531.7	2512.8	2514.0	2515.2
3922.2	15°	3840.7	3740.3	3437.8	3029.1	2647.5	2483.3	2469.1	2499.8	2531.7	2547.1
4123.1	17.5°	4016.7	3875.0	3443.8	2863.7	2467.9	2400.6	2445.5	2511.6	2560.1	2581.3
4347.5	20°	4205.7	4012.0	3401.2	2629.8	2320.3	2333.2	2413.6	2498.6	2551.8	2579.0
4603.9	22.5°	4421.9	4158.5	3299.6	2384.0	2199.7	2260.0	2354.5	2437.2	2492.7	2519.9
4905.1	25°	4668.9	4322.7	3140.1	2177.3	2095.8	2177.3	2271.8	2340.3	2385.2	2410.0
5241.8	27.5°	4942.9	4494.0	2927.5	2013.1	2004.8	2092.2	2170.2	2223.4	2247.0	2265.9
5599.8	30°	5218.2	4650.0	2669.9	1889.0	1925.7	2008.4	2063.9	2087.5	2094.6	2098.1
5999.1	32.5°	5515.9	4784.6	2399.4	1786.3	1850.1	1926.8	1959.9	1970.6	1937.5	1915.0
6483.5	35°	5876.2	4928.8	2134.8	1704.7	1775.6	1841.8	1852.4	1843.0	1804.0	1757.9
7090.7	37.5°	6321.6	5108.3	1923.3	1646.9	1705.9	1749.6	1736.6	1734.3	1737.8	1683.5
7820.8	40°	6867.4	5342.2	1768.5	1602.0	1649.2	1658.7	1622.0	1642.1	1659.9	1577.2
8621.8	42.5°	7473.5	5624.6	1670.5	1571.2	1602.0	1579.5	1522.8	1545.3	1542.9	1434.2
9426.3	45°	8091.3	5931.8	1636.2	1548.8	1558.3	1513.4	1450.7	1456.7	1407.0	1309.0
10197.8	47.5°	8705.7	6261.4	1657.5	1529.9	1503.9	1453.1	1404.7	1378.7	1305.4	1232.2
10937.3	50°	9308.2	6607.5	1735.5	1492.1	1429.5	1399.9	1364.5	1318.4	1240.5	1177.8
11636.7	52.5°	9867.0	6956.0	1822.9	1429.5	1336.2	1353.9	1331.4	1278.3	1201.5	1137.7
12298.3	55°	10396.2	7304.5	1857.1	1343.2	1248.7	1313.7	1300.7	1202.7	1110.5	1058.5
12990.6	57.5°	10972.8	7723.9	1819.3	1233.4	1177.8	1267.6	1218.0	1109.3	1056.2	1017.2
13892.0	60°	11771.4	8382.0	1737.8	1097.5	1110.5	1199.1	1114.1	1069.2	1011.3	967.6
15243.5	62.5°	13098.1	9609.4	1606.7	962.8	1031.4	1097.5	1064.4	1019.5	960.5	917.9
17554.3	65°	15059.2	11315.4	1359.8	857.7	942.7	998.3	1011.3	966.4	904.9	860.1
19579.2	67.5°	16713.1	12385.7	1029.0	770.3	851.8	917.9	954.6	910.9	845.9	802.2
20052.9	70°	16622.2	11608.3	785.6	684.0	771.4	838.8	886.0	851.8	782.1	740.7
18214.7	72.5°	14763.8	9711.0	635.6	596.6	689.9	756.1	812.8	786.8	715.9	675.8
13343.8	75°	10846.3	6893.4	508.0	508.0	588.3	669.8	732.5	715.9	650.9	622.6
5602.2	77.5°	4572.0	2892.0	398.1	421.8	489.1	575.3	653.3	659.2	602.5	638.0
1481.5	80°	1215.7	797.4	303.6	332.0	384.0	474.9	568.2	565.9	504.5	471.4
550.5	82.5°	463.1	314.2	216.2	233.9	277.6	363.9	450.1	464.3	402.9	348.5
216.2	85°	178.4	134.7	133.5	140.6	161.9	241.0	340.2	352.1	303.6	257.5
60.3	87.5°	46.1	40.2	49.6	47.3	74.4	128.8	194.9	202.0	185.5	107.5
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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<u>180°</u>
3264.2
3114.1
2886.1
2678.2
2553.0
2517.5
2545.9
2586.1
2586.1
2527.0
2417.1
2273.0
2106.4
1922.1
1760.3
1687.0
1579.5
1433.0
1312.5
1232.2
1173.1
1138.9
1053.8
1013.6
965.2
917.9
862.4
803.3
744.3
675.8
614.3
578.9
438.3
348.5
265.8
153.6
0.0

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