

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: P940735

Luminaire Tested: **GALN-SB3D-940-U-T2**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P940735  
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-SB3D-940-U-T2  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 90 CRI, 4000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 21922 lumens  
Efficiency: N/A  
Efficacy: 100.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G3

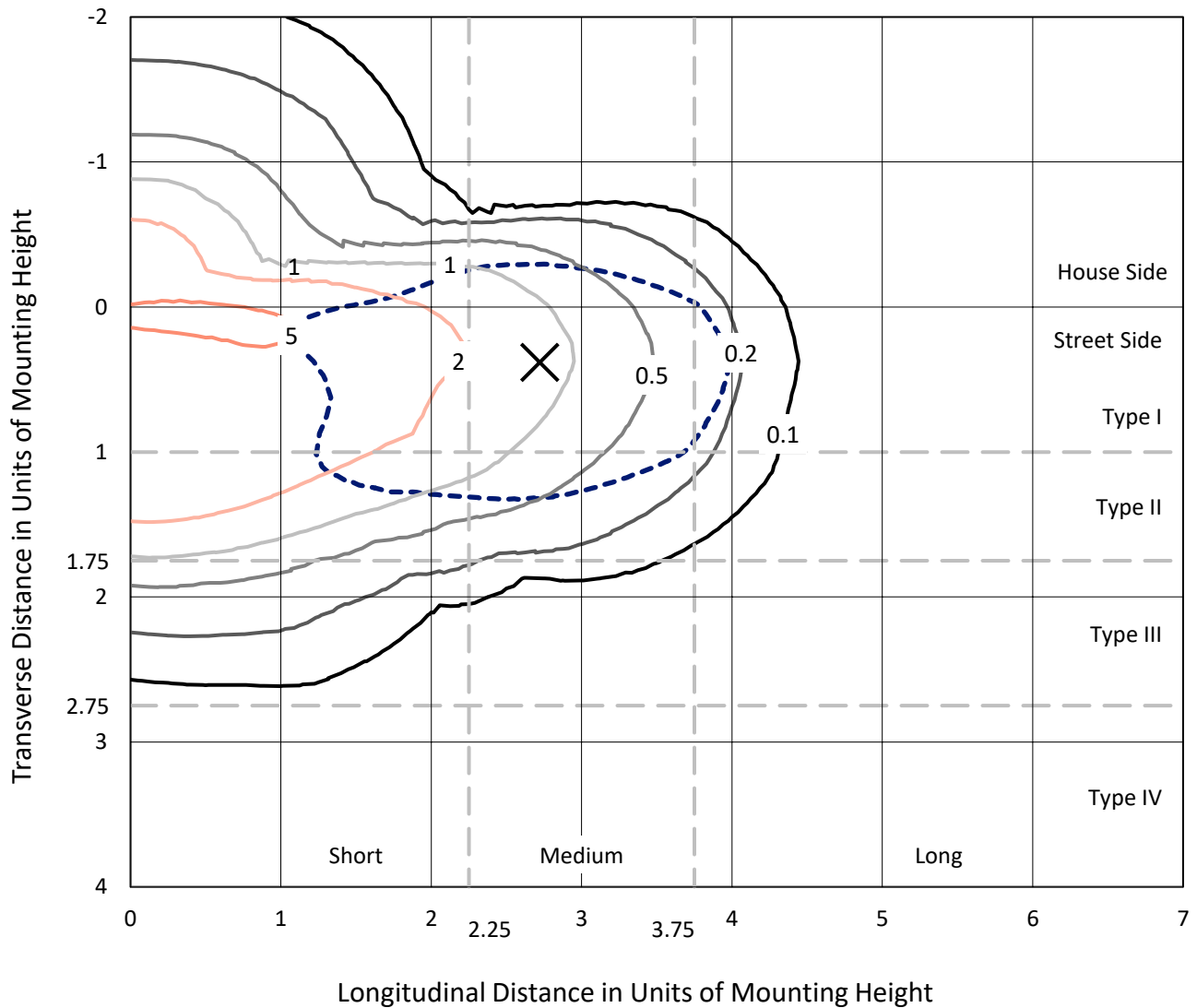
Input Watts (W): 218.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

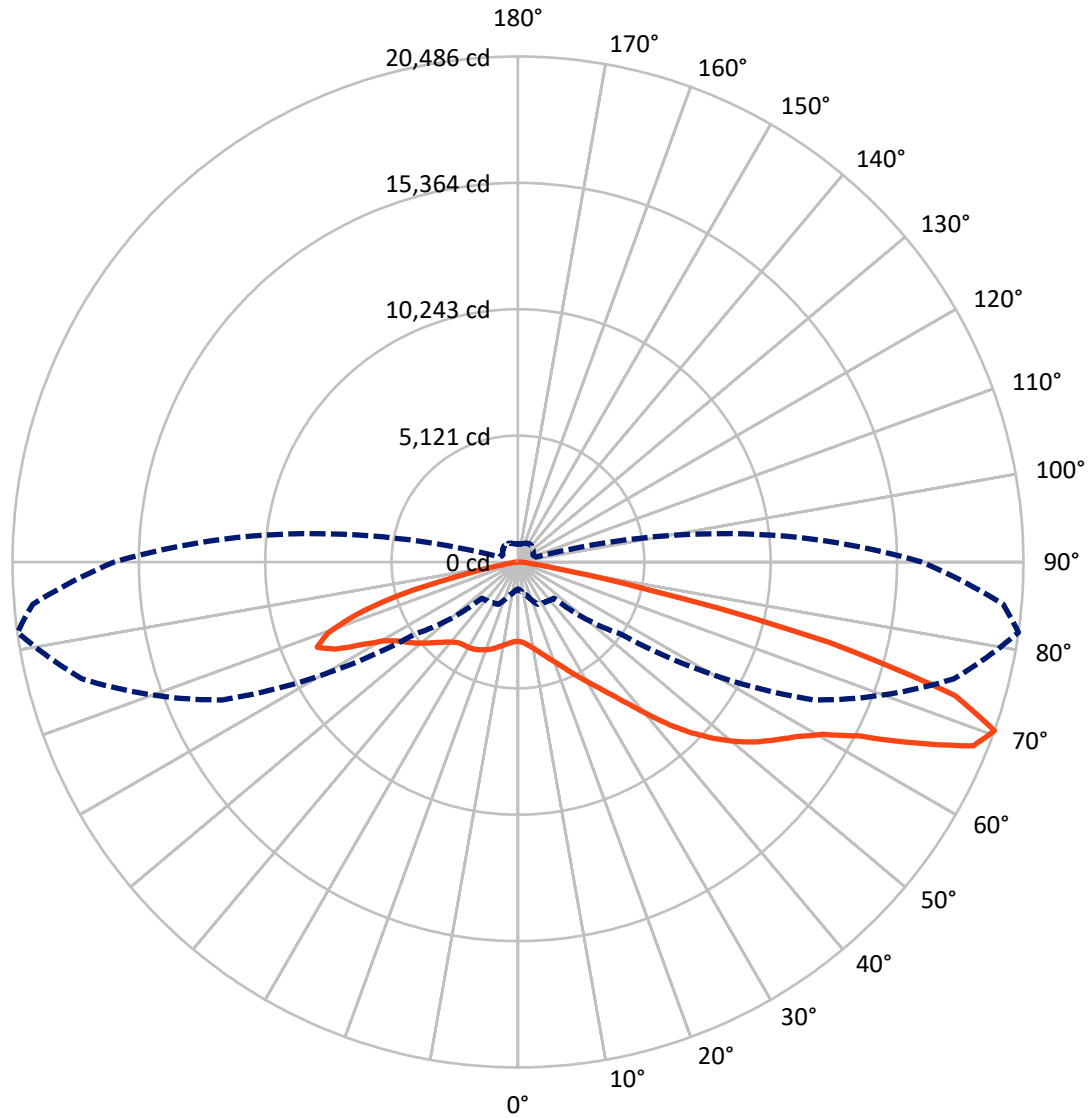
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.8 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	5404.3	0.0	5404.3
	% Fixture	24.7	0.0	24.7
<b>Street Side</b>	Lumens	16517.7	0.0	16517.7
	% Fixture	75.3	0.0	75.3
<b>Total</b>	Lumens	21922.0	0.0	21922.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	303.5	1.4
10°-20°	871.9	4.0
20°-30°	1458.5	6.7
30°-40°	2278.6	10.4
40°-50°	3629.0	16.6
50°-60°	5050.1	23.0
60°-70°	5282.7	24.1
70°-80°	2761.0	12.6
80°-90°	286.7	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°	21922.0	100.0
0°-180°	21922.0	100.0

**Coefficient of Utilization**



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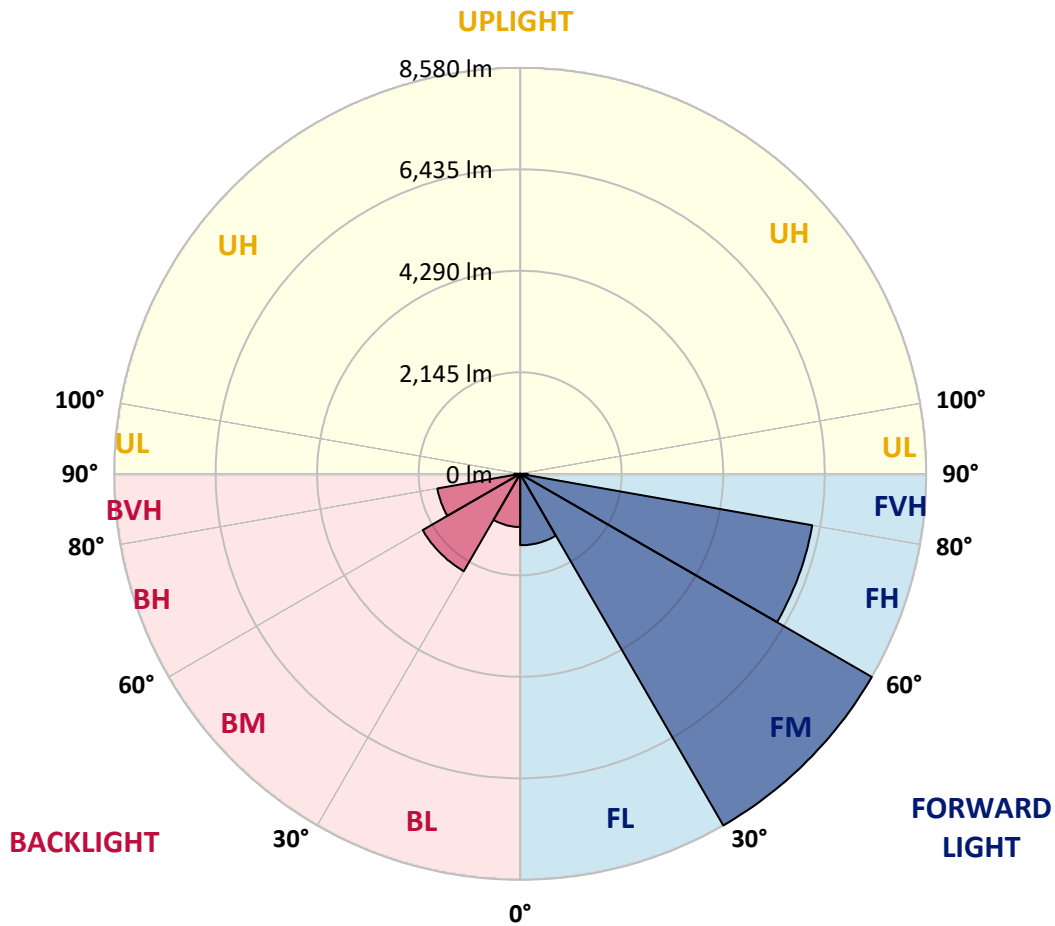
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1509.6	6.9			
FM (30°-60°)	8580.1	39.1			
FH (60°-80°)	6267.6	28.6			G3/7500
FVH (80°-90°)	160.5	0.7			G2/225
BL (0°-30°)	1124.3	5.1	B3/2500		
BM (30°-60°)	2377.7	10.8	B2/2500		
BH (60°-80°)	1776.1	8.1	B3/2500		G3/2500
BVH (80°-90°)	126.2	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°	3214.0	3214.0	3214.0	3214.0	3214.0	3214.0	3214.0	3214.0	3214.0	3214.0
2.5°	3290.8	3309.4	3303.6	3297.8	3297.8	3289.7	3288.5	3276.9	3267.5	3252.4
5°	3332.7	3352.5	3350.1	3354.8	3369.9	3373.4	3376.9	3369.9	3351.3	3332.7
7.5°	3295.5	3317.6	3324.5	3352.5	3399.0	3440.9	3472.3	3485.1	3467.6	3440.9
10°	3169.8	3194.3	3218.7	3285.0	3367.6	3466.5	3550.2	3600.2	3596.7	3571.2
12.5°	2915.1	2940.7	2993.0	3122.1	3273.4	3447.9	3603.7	3708.4	3744.5	3725.9
15°	2711.5	2733.6	2773.2	2905.8	3102.4	3367.6	3623.5	3827.1	3919.0	3908.5
17.5°	2705.7	2715.0	2739.4	2802.3	2953.5	3242.0	3602.6	3943.4	4119.0	4117.9
20°	2808.1	2811.6	2825.5	2838.3	2924.4	3146.6	3549.1	4039.9	4343.5	4343.5
22.5°	2950.0	2947.7	2961.6	2950.0	2991.9	3138.4	3515.3	4124.9	4593.6	4612.3
25°	3162.9	3151.2	3147.7	3121.0	3129.1	3214.0	3552.5	4221.4	4890.3	4928.7
27.5°	3446.7	3428.1	3415.3	3353.6	3332.7	3369.9	3666.5	4337.7	5220.6	5286.9
30°	3816.6	3782.9	3764.3	3657.2	3581.6	3587.4	3838.7	4492.4	5566.1	5673.1
32.5°	4321.4	4269.1	4219.1	4043.4	3905.0	3859.6	4060.9	4706.5	5940.7	6111.7
35°	4886.8	4844.9	4791.4	4520.4	4307.5	4202.8	4361.0	5005.4	6379.2	6650.3
37.5°	5431.2	5395.1	5420.7	5055.5	4780.9	4628.5	4754.2	5406.8	6920.1	7320.3
40°	5994.2	5966.3	5969.8	5620.8	5300.9	5129.9	5231.1	5910.4	7540.1	8117.1
42.5°	6606.1	6585.1	6515.3	6205.9	5846.5	5687.1	5780.2	6492.1	8205.5	9024.4
45°	7291.2	7278.4	7213.3	6858.5	6446.7	6267.6	6393.2	7134.2	8874.4	9878.3
47.5°	7883.3	7893.8	7885.6	7586.7	7159.8	6896.9	7046.9	7804.2	9496.7	10680.9
50°	8168.3	8223.0	8303.2	8210.2	7944.9	7677.4	7706.5	8451.0	10090.0	11433.5
52.5°	8019.4	8122.9	8341.6	8490.5	8592.9	8537.0	8459.1	9093.1	10648.3	12112.8
55°	7464.5	7609.9	7972.9	8332.3	8854.6	9260.6	9362.9	9805.0	11192.7	12710.8
57.5°	6453.7	6689.8	7015.5	7742.5	8622.0	9610.7	10416.8	10792.6	11769.7	13349.4
60°	4720.4	5036.8	5441.6	6523.5	7807.7	9423.4	11313.7	12309.4	12589.8	14176.4
62.5°	3020.9	3216.4	3588.6	4607.6	6083.8	8463.8	11588.2	14205.5	13979.8	15532.8
65°	2068.2	2193.9	2534.7	3107.0	3932.9	6300.1	10853.1	15627.0	16187.7	17682.5
67.5°	1502.9	1598.3	1889.1	2390.5	2562.6	3728.2	8421.9	15561.9	18333.9	19897.3
70°	1095.8	1163.2	1407.5	1889.1	1971.7	2074.1	5102.0	13228.4	18287.3	20485.9
72.5°	811.9	858.5	1022.5	1465.7	1596.0	1400.5	2525.4	9614.2	15714.2	18529.3
75°	587.4	622.3	743.3	1121.4	1277.2	1066.7	1259.8	5618.5	10961.2	13034.1
77.5°	449.0	475.8	554.9	821.2	1022.5	800.3	781.7	2584.7	5197.4	5223.0
80°	360.6	378.1	421.1	578.1	784.0	599.1	509.5	1043.4	1642.5	1390.1
82.5°	265.2	294.3	356.0	406.0	560.7	413.0	310.6	526.9	624.7	537.4
85°	151.2	171.0	215.2	290.8	358.3	252.4	178.0	233.8	290.8	238.5
87.5°	53.5	69.8	75.6	114.0	155.9	104.7	68.6	67.5	95.4	71.0
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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**CANDELA DISTRIBUTION (continued):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
3214.0	0°	3214.0	3214.0	3214.0	3214.0	3214.0	3214.0	3214.0	3214.0	3214.0	3214.0
3248.9	2.5°	3237.3	3231.5	3208.2	3176.8	3144.2	3112.8	3102.4	3080.3	3065.1	3057.0
3324.5	5°	3302.4	3283.8	3229.2	3159.4	3086.1	3007.0	2951.1	2900.0	2862.7	2827.8
3428.1	7.5°	3395.5	3362.9	3268.7	3146.6	3016.3	2884.8	2787.1	2712.7	2662.7	2630.1
3549.1	10°	3503.7	3453.7	3309.4	3126.8	2925.6	2737.1	2621.9	2558.0	2526.6	2509.1
3687.5	12.5°	3628.2	3557.2	3351.3	3081.4	2787.1	2571.9	2492.8	2474.2	2475.4	2476.5
3862.0	15°	3781.7	3682.8	3385.0	2982.6	2606.8	2445.1	2431.2	2461.4	2492.8	2508.0
4059.7	17.5°	3955.0	3815.4	3390.9	2819.7	2430.0	2363.7	2407.9	2473.1	2520.7	2541.7
4280.7	20°	4141.1	3950.4	3349.0	2589.4	2284.6	2297.4	2376.5	2460.3	2512.6	2539.4
4533.2	22.5°	4354.0	4094.6	3248.9	2347.4	2166.0	2225.3	2318.3	2399.8	2454.4	2481.2
4829.8	25°	4597.1	4256.3	3091.9	2143.9	2063.6	2143.9	2236.9	2304.4	2348.6	2373.0
5161.3	27.5°	4867.0	4425.0	2882.5	1982.2	1974.0	2060.1	2136.9	2189.2	2212.5	2231.1
5513.8	30°	5138.0	4578.5	2628.9	1860.0	1896.1	1977.5	2032.2	2055.4	2062.4	2065.9
5906.9	32.5°	5431.2	4711.1	2362.5	1758.8	1821.6	1897.2	1929.8	1940.3	1907.7	1885.6
6383.9	35°	5786.0	4853.0	2102.0	1678.6	1748.4	1813.5	1824.0	1814.7	1776.3	1730.9
6981.8	37.5°	6224.5	5029.9	1893.8	1621.6	1679.7	1722.8	1710.0	1707.6	1711.1	1657.6
7700.7	40°	6761.9	5260.2	1741.4	1577.4	1623.9	1633.2	1597.1	1616.9	1634.4	1552.9
8489.3	42.5°	7358.7	5538.2	1644.8	1547.1	1577.4	1555.3	1499.4	1521.5	1519.2	1412.2
9281.5	45°	7967.0	5840.6	1611.1	1525.0	1534.3	1490.1	1428.5	1434.3	1385.4	1288.9
10041.1	47.5°	8571.9	6165.2	1632.0	1506.4	1480.8	1430.8	1383.1	1357.5	1285.4	1213.3
10769.3	50°	9165.2	6506.0	1708.8	1469.2	1407.5	1378.4	1343.5	1298.2	1221.4	1159.8
11457.9	52.5°	9715.4	6849.2	1794.9	1407.5	1315.6	1333.1	1311.0	1258.6	1183.0	1120.2
12109.4	55°	10236.5	7192.3	1828.6	1322.6	1229.5	1293.5	1280.7	1184.2	1093.4	1042.3
12791.0	57.5°	10804.2	7605.3	1791.4	1214.4	1159.8	1248.2	1199.3	1092.3	1039.9	1001.6
13678.6	60°	11590.5	8253.2	1711.1	1080.7	1093.4	1180.7	1096.9	1052.7	995.7	952.7
15009.3	62.5°	12896.9	9461.8	1582.0	948.0	1015.5	1080.7	1048.1	1003.9	945.7	903.8
17284.6	65°	14827.9	11141.5	1338.9	844.5	928.3	982.9	995.7	951.5	891.0	846.8
19278.4	67.5°	16456.4	12195.4	1013.2	758.4	838.7	903.8	939.9	896.9	832.9	789.8
19744.9	70°	16366.8	11430.0	773.6	673.5	759.6	825.9	872.4	838.7	770.1	729.4
17934.9	72.5°	14537.0	9561.9	625.8	587.4	679.3	744.5	800.3	774.7	704.9	665.4
13138.8	75°	10679.7	6787.5	500.2	500.2	579.3	659.6	721.2	704.9	640.9	613.0
5516.1	77.5°	4501.7	2847.6	392.0	415.3	481.6	566.5	643.3	649.1	593.3	628.2
1458.7	80°	1197.0	785.2	299.0	326.9	378.1	467.6	559.5	557.2	496.7	464.1
542.1	82.5°	456.0	309.4	212.9	230.3	273.4	358.3	443.2	457.2	396.7	343.2
212.9	85°	175.6	132.6	131.4	138.4	159.4	237.3	335.0	346.6	299.0	253.6
59.3	87.5°	45.4	39.6	48.9	46.5	73.3	126.8	191.9	198.9	182.6	105.9
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>
3214.0
3066.3
2841.8
2637.1
2513.8
2478.9
2506.8
2546.3
2546.3
2488.2
2380.0
2238.1
2074.1
1892.6
1733.2
1661.1
1555.3
1411.0
1292.4
1213.3
1155.1
1121.4
1037.6
998.1
950.4
903.8
849.2
791.0
732.8
665.4
604.9
570.0
431.6
343.2
261.7
151.2
0.0

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