

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: P942957

Luminaire Tested: **GALN-SB7A-950-U-T3**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P942957  
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-SB7A-950-U-T3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 90 CRI, 5000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

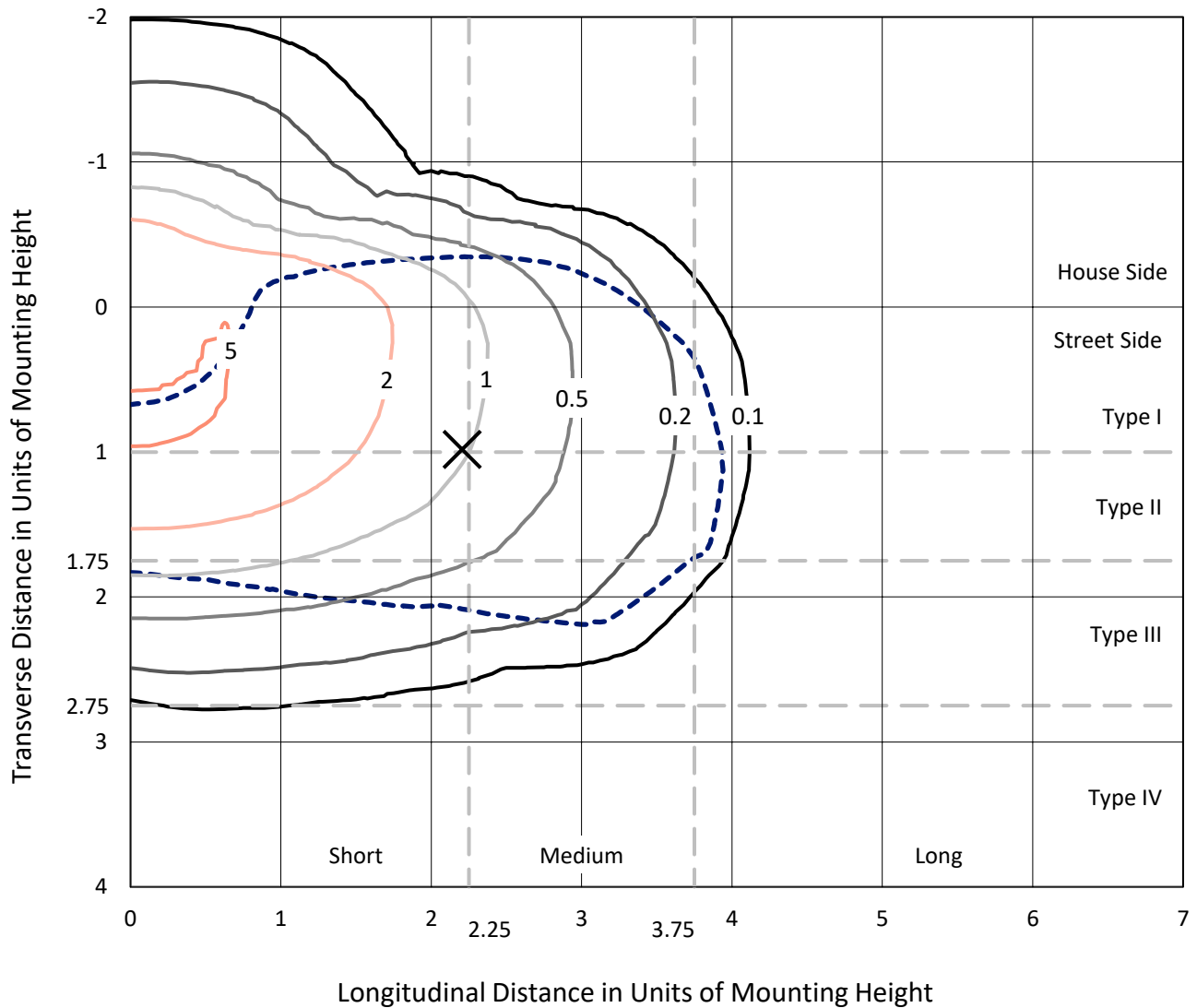
Lumens per Lamp: N/A  
Luminaire Lumens: 22207 lumens  
Efficiency: N/A  
Efficacy: 111.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G3  
  
Input Watts (W): 199.1  
Input Voltage (V): NR  
Input Current (Ain): 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

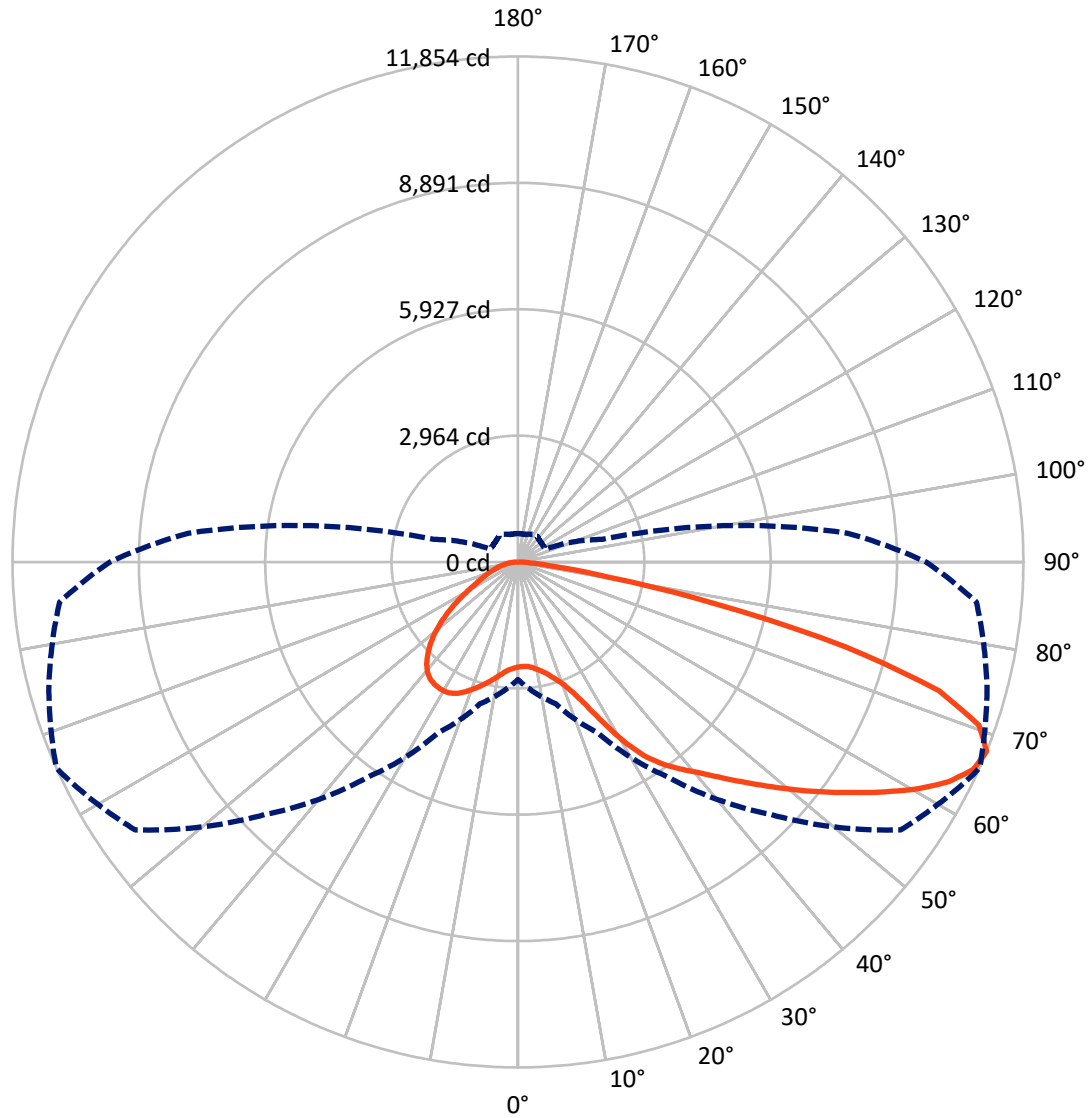
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.6 fc  
 Type 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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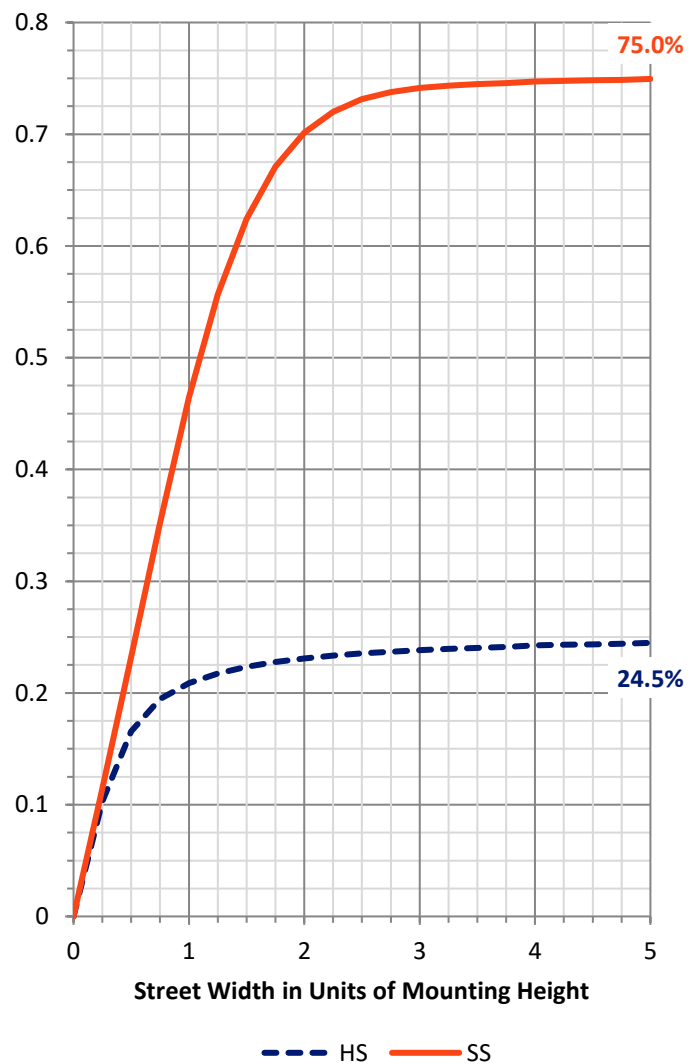
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5521.7	0.0	5521.7
	% Fixture	24.9	0.0	24.9
<b>Street Side</b>	Lumens	16685.3	0.0	16685.3
	% Fixture	75.1	0.0	75.1
<b>Total</b>	Lumens	22207.0	0.0	22207.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	244.2	1.1
10°-20°	806.8	3.6
20°-30°	1555.1	7.0
30°-40°	2726.6	12.3
40°-50°	4053.6	18.3
50°-60°	5138.3	23.1
60°-70°	5027.7	22.6
70°-80°	2398.3	10.8
80°-90°	256.3	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°	22207.0	100.0
0°-180°	22207.0	100.0

**Coefficient of Utilization**



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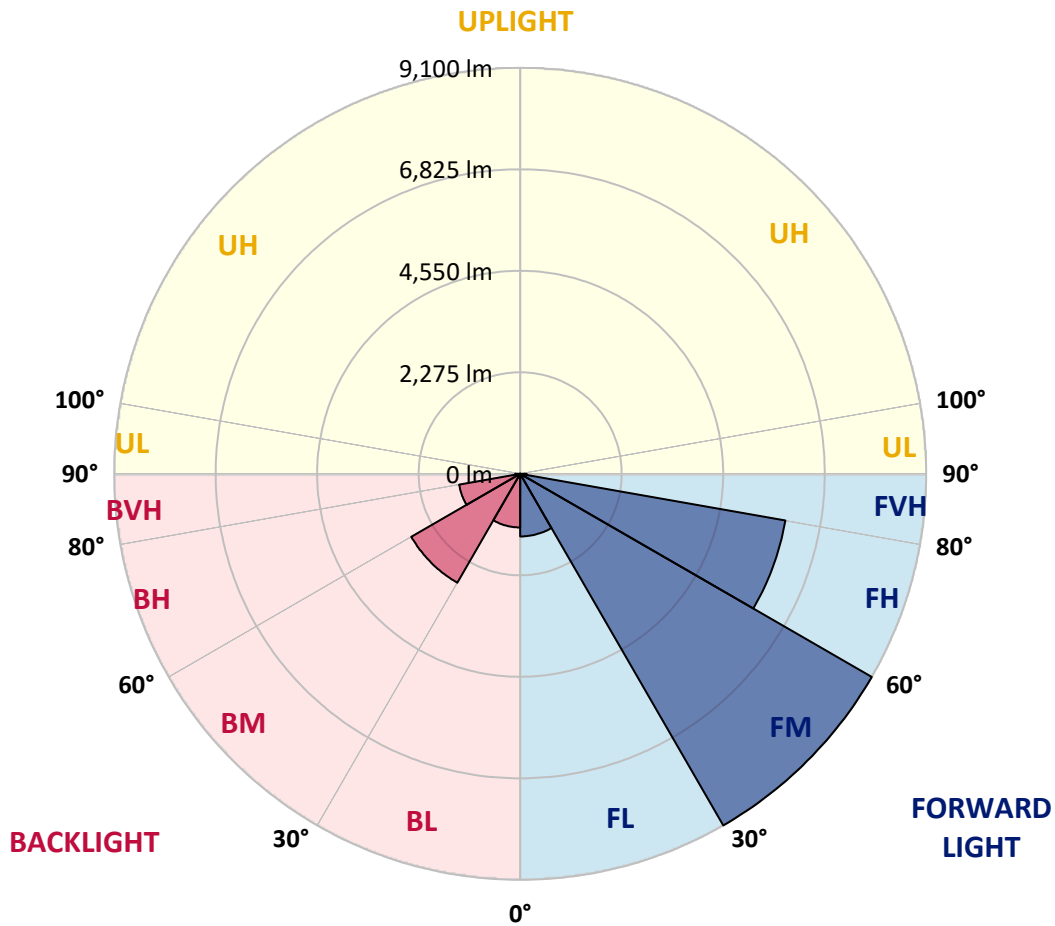
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1403.3	6.3			
FM (30°-60°)	9100.2	41.0			
FH (60°-80°)	6036.5	27.2			G3/7500
FVH (80°-90°)	145.3	0.7			G2/225
BL (0°-30°)	1202.8	5.4	B3/2500		
BM (30°-60°)	2818.3	12.7	B3/5000		
BH (60°-80°)	1389.5	6.3	B3/2500		G3/2500
BVH (80°-90°)	111.0	0.5			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 III Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	2463.0	2463.0	2463.0	2463.0	2463.0	2463.0	2463.0	2463.0	2463.0	2463.0
2.5°	2437.4	2451.4	2447.9	2442.0	2440.9	2443.2	2446.7	2450.2	2449.0	2454.9
5°	2430.4	2444.4	2443.2	2443.2	2447.9	2457.2	2463.0	2468.9	2463.0	2470.1
7.5°	2435.0	2445.5	2450.2	2454.9	2466.6	2484.1	2498.1	2510.9	2503.9	2512.1
10°	2494.6	2502.7	2507.4	2507.4	2515.6	2535.4	2549.4	2572.7	2566.9	2579.7
12.5°	2603.1	2611.2	2611.2	2606.6	2612.4	2625.2	2629.9	2655.6	2645.1	2666.1
15°	2736.1	2752.4	2739.6	2731.4	2733.7	2746.6	2745.4	2765.2	2754.7	2772.2
17.5°	2883.1	2904.1	2883.1	2881.9	2877.3	2891.3	2892.4	2909.9	2891.3	2904.1
20°	3056.9	3086.1	3068.6	3074.4	3063.9	3069.8	3075.6	3101.3	3072.1	3081.4
22.5°	3302.0	3337.0	3318.3	3340.5	3333.5	3328.8	3327.6	3373.1	3327.6	3331.1
25°	3659.0	3701.0	3668.3	3698.7	3698.7	3713.8	3731.3	3789.7	3713.8	3691.7
27.5°	4186.4	4228.4	4164.2	4182.9	4177.0	4214.4	4195.7	4340.4	4258.7	4222.5
30°	4821.1	4895.8	4774.4	4769.8	4763.9	4823.4	4850.3	4945.9	4863.1	4826.9
32.5°	5507.2	5585.3	5440.6	5398.6	5376.5	5412.6	5390.5	5467.5	5410.3	5354.3
35°	6232.9	6309.9	6172.2	6090.5	6001.9	5926.0	5846.7	5866.5	5812.8	5727.7
37.5°	6918.9	7060.1	6914.3	6826.8	6663.4	6515.2	6293.6	6201.4	6151.2	6073.0
40°	7617.8	7698.3	7587.5	7512.8	7335.5	7103.3	6748.6	6553.7	6486.1	6410.2
42.5°	8132.4	8209.4	8149.9	8098.5	7959.7	7690.2	7231.6	6987.8	6889.8	6804.6
45°	8540.8	8597.9	8560.6	8579.3	8519.7	8258.4	7732.2	7453.3	7351.8	7248.0
47.5°	8705.3	8765.9	8825.4	8936.3	9037.8	8845.3	8270.1	7957.4	7850.0	7743.8
50°	8686.6	8748.4	8921.1	9156.8	9471.8	9407.7	8837.1	8494.1	8394.9	8273.6
52.5°	8537.3	8607.3	8828.9	9221.0	9722.7	9828.9	9414.7	9048.3	8955.0	8810.3
55°	8145.2	8187.2	8519.7	9075.1	9782.2	10122.9	9980.5	9638.7	9545.3	9343.5
57.5°	7418.3	7479.0	7963.2	8681.9	9632.8	10322.4	10477.6	10259.4	10169.6	9879.0
60°	6469.7	6566.6	7120.8	8021.5	9252.5	10321.2	10929.1	10869.6	10794.9	10406.4
62.5°	5396.3	5508.3	6041.5	7088.1	8587.4	10028.4	11211.5	11380.7	11342.2	10893.0
65°	4144.4	4221.4	4752.3	5880.5	7552.5	9399.5	11244.2	11729.5	11736.5	11262.8
67.5°	2759.4	2981.1	3442.0	4412.7	6166.4	8371.6	10957.1	11786.7	11854.4	11390.0
70°	1346.5	1638.1	2089.7	2867.9	4412.7	6795.3	10206.9	11317.7	11468.2	11019.0
72.5°	558.9	653.4	899.6	1415.3	2533.1	4585.4	8699.4	10045.9	10324.7	9763.5
75°	376.9	408.4	514.5	725.7	1153.9	2261.2	6273.7	7490.7	7939.9	7374.0
77.5°	290.5	310.4	374.5	507.5	686.1	855.2	3358.0	4514.2	4746.4	4394.1
80°	228.7	243.9	280.0	369.9	486.5	457.4	1144.6	2045.3	2179.5	1828.3
82.5°	198.4	204.2	200.7	250.9	323.2	267.2	375.7	754.9	833.1	604.4
85°	143.5	159.8	166.8	155.2	171.5	135.3	154.0	267.2	294.0	262.5
87.5°	58.3	86.3	106.2	100.3	63.0	38.5	47.8	78.2	89.8	98.0
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°
2463.0	0°	2463.0	2463.0	2463.0	2463.0	2463.0	2463.0	2463.0	2463.0	2463.0	2463.0
2464.2	2.5°	2465.4	2473.6	2479.4	2486.4	2491.1	2498.1	2512.1	2520.2	2521.4	2527.2
2482.9	5°	2487.6	2499.2	2512.1	2530.7	2551.7	2569.2	2596.1	2614.7	2621.7	2627.6
2528.4	7.5°	2535.4	2551.7	2575.1	2607.7	2638.1	2661.4	2694.1	2716.2	2738.4	2746.6
2600.7	10°	2606.6	2629.9	2663.7	2708.1	2740.7	2771.1	2804.9	2823.6	2845.8	2855.1
2687.1	12.5°	2695.2	2719.7	2764.1	2825.9	2856.3	2877.3	2888.9	2884.3	2888.9	2897.1
2790.9	15°	2796.7	2823.6	2873.8	2940.3	2961.3	2942.6	2916.9	2893.6	2890.1	2892.4
2916.9	17.5°	2916.9	2936.8	2995.1	3051.1	3035.9	2958.9	2902.9	2865.6	2846.9	2841.1
3077.9	20°	3084.9	3084.9	3132.8	3167.8	3066.3	2935.6	2848.1	2787.4	2748.9	2732.6
3297.3	22.5°	3289.1	3270.5	3300.8	3276.3	3060.4	2870.3	2748.9	2643.9	2585.6	2562.2
3604.2	25°	3548.1	3526.0	3517.8	3366.1	3018.4	2766.4	2569.2	2442.0	2390.7	2377.9
4046.4	27.5°	3939.0	3883.0	3776.8	3415.1	2941.4	2603.1	2359.2	2241.4	2212.2	2213.4
4614.6	30°	4459.4	4347.4	4087.2	3423.3	2815.4	2372.0	2144.5	2060.5	2046.5	2052.3
5091.8	32.5°	4941.3	4835.1	4404.6	3386.0	2621.7	2145.7	1952.0	1896.0	1875.0	1882.0
5455.8	35°	5319.3	5290.1	4698.6	3333.5	2383.7	1933.3	1779.3	1731.5	1690.6	1681.3
5798.8	37.5°	5676.3	5664.7	4919.1	3260.0	2148.0	1782.8	1640.5	1577.5	1518.0	1485.3
6178.0	40°	6068.4	6056.7	5063.8	3146.8	1939.2	1652.1	1515.6	1432.8	1359.3	1299.8
6607.4	42.5°	6509.4	6440.6	5132.6	2984.6	1761.8	1541.3	1414.1	1302.1	1205.3	1150.4
7092.8	45°	6991.3	6836.1	5131.5	2778.1	1612.5	1439.8	1305.6	1146.9	1057.1	1005.8
7591.0	47.5°	7502.3	7214.1	5068.4	2549.4	1467.8	1327.8	1137.6	1016.3	956.8	925.2
8132.4	50°	8029.7	7567.7	4961.1	2286.9	1319.6	1200.6	1032.6	949.8	904.2	875.1
8669.1	52.5°	8525.6	7888.5	4831.6	1989.3	1169.1	1076.9	985.9	921.7	873.9	841.2
9189.5	55°	8986.5	8165.1	4648.4	1684.8	1046.6	994.1	963.8	910.1	855.2	816.7
9718.0	57.5°	9396.0	8344.7	4332.2	1399.0	959.1	936.9	940.4	890.2	827.2	794.6
10238.4	60°	9736.7	8476.6	3864.3	1134.1	887.9	880.9	904.2	852.9	779.4	742.1
10678.3	62.5°	9940.9	8474.2	3290.3	928.7	827.2	829.6	856.4	806.2	731.6	696.6
10908.1	65°	9923.4	8266.6	2660.2	794.6	768.9	771.2	806.2	754.9	691.9	670.9
10792.6	67.5°	9572.2	7760.2	2040.7	707.1	704.7	715.2	756.1	719.9	667.4	665.1
10104.2	70°	8621.3	6708.9	1470.1	637.1	638.2	653.4	707.1	697.7	654.6	659.2
8495.2	72.5°	6913.1	5115.1	987.1	563.5	564.7	589.2	660.4	680.2	641.7	703.6
6027.5	75°	4604.1	3189.9	634.7	485.4	486.5	518.0	619.6	646.4	606.7	701.2
3136.3	77.5°	2212.2	1434.0	459.7	408.4	408.4	437.5	535.5	578.7	516.9	544.9
1008.1	80°	764.2	539.0	361.7	329.0	322.0	341.9	451.5	501.7	445.7	410.7
329.0	82.5°	301.0	280.0	290.5	255.5	232.2	245.0	351.2	414.2	327.9	296.4
185.5	85°	172.7	182.0	205.4	169.2	134.2	150.5	257.9	297.5	247.4	218.2
60.7	87.5°	46.7	64.2	94.5	87.5	60.7	64.2	122.5	164.5	142.3	109.7
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°
2463.0
2526.1
2626.4
2747.7
2859.8
2899.4
2900.6
2849.3
2729.1
2558.7
2380.2
2216.9
2072.2
1891.3
1688.3
1486.5
1305.6
1153.9
1003.4
918.2
864.6
827.2
801.6
773.6
725.7
686.1
669.7
668.6
658.1
712.9
707.1
499.4
385.0
295.2
222.9
113.2
0.0

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