

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: P940497

Luminaire Tested: **GALN-SB3C-830-U-T3**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P940497  
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-SB3C-830-U-T3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

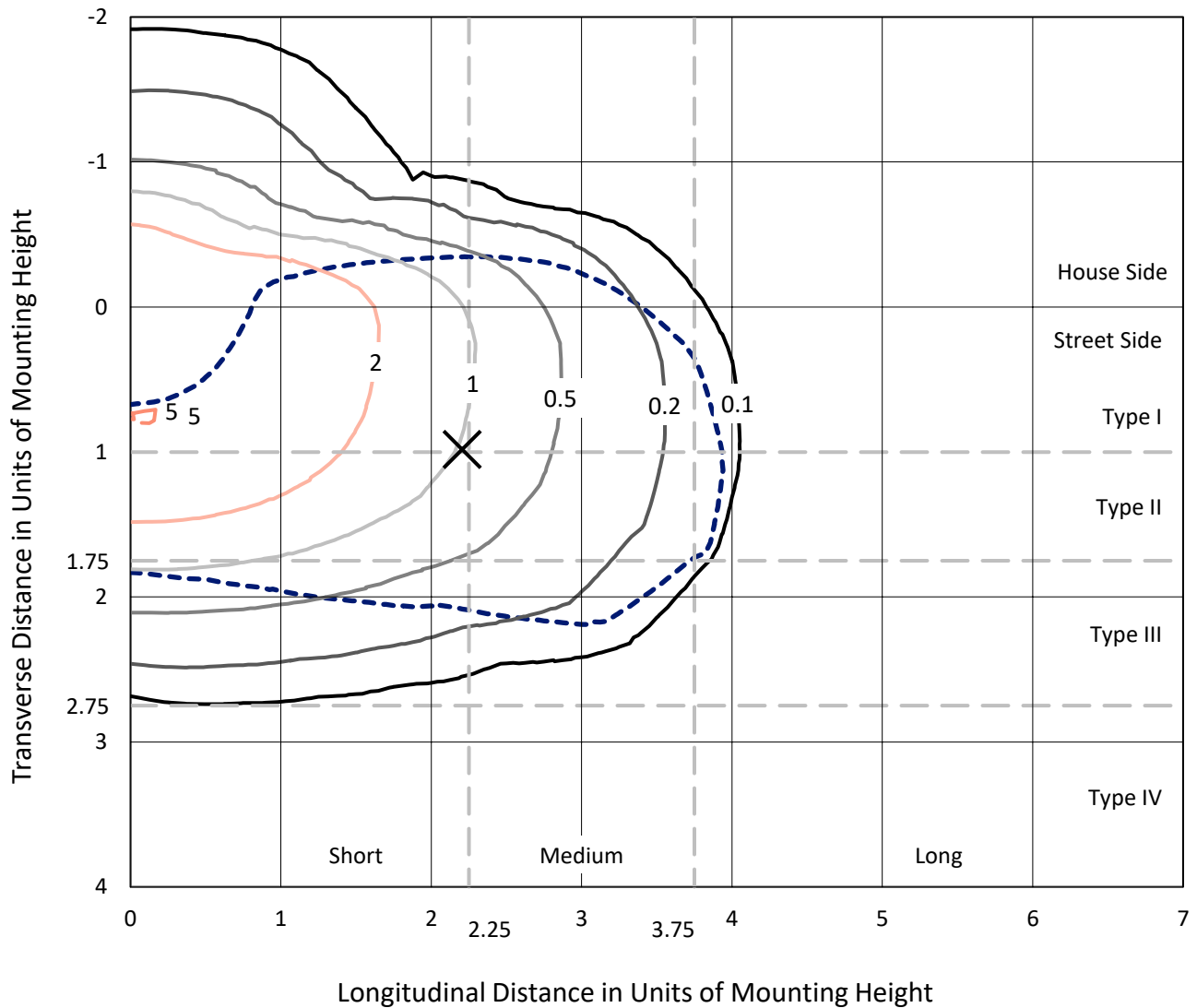
Lumens per Lamp: N/A  
Luminaire Lumens: 20204 lumens  
Efficiency: N/A  
Efficacy: 135.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G3  
  
Input Watts (W): 149.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

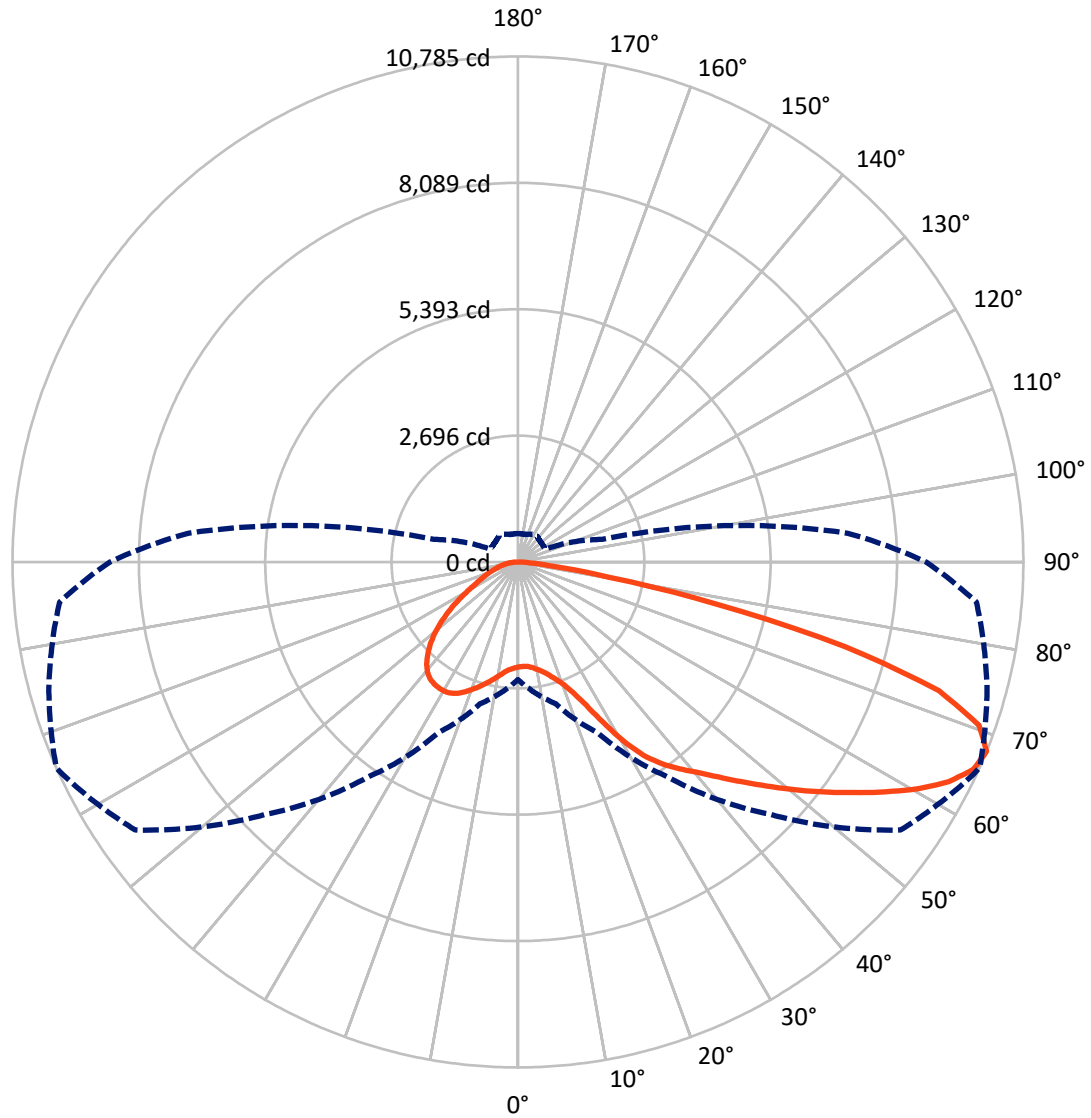
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.1 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	5023.7	0.0	5023.7
	% Fixture	24.9	0.0	24.9
<b>Street Side</b>	Lumens	15180.3	0.0	15180.3
	% Fixture	75.1	0.0	75.1
<b>Total</b>	Lumens	20204.0	0.0	20204.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	222.2	1.1
10°-20°	734.0	3.6
20°-30°	1414.8	7.0
30°-40°	2480.7	12.3
40°-50°	3688.0	18.3
50°-60°	4674.9	23.1
60°-70°	4574.3	22.6
70°-80°	2182.0	10.8
80°-90°	233.2	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°	20204.0	100.0
0°-180°	20204.0	100.0

**Coefficient of Utilization**



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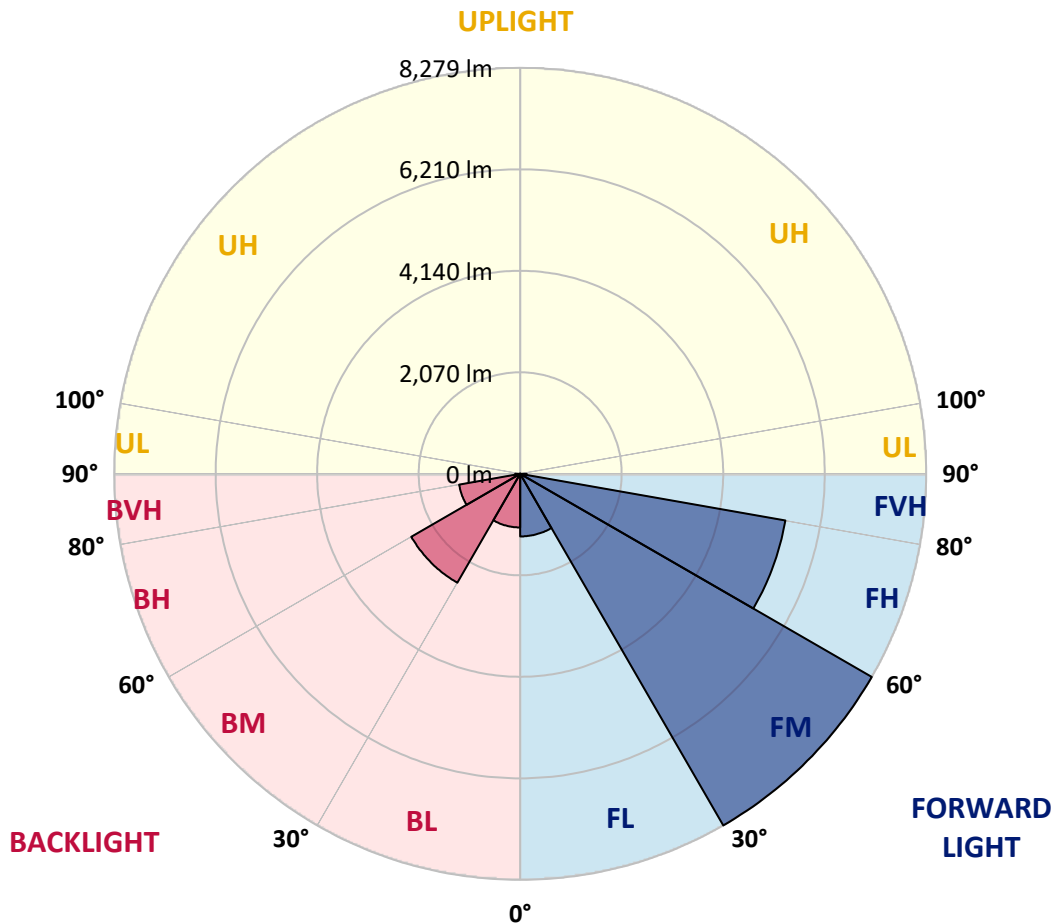
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1276.7	6.3			
FM (30°-60°)	8279.4	41.0			
FH (60°-80°)	5492.0	27.2			G3/7500
FVH (80°-90°)	132.2	0.7			G2/225
BL (0°-30°)	1094.3	5.4	B3/2500		
BM (30°-60°)	2564.1	12.7	B3/5000		
BH (60°-80°)	1264.2	6.3	B3/2500		G3/2500
BVH (80°-90°)	101.0	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°	2240.9	2240.9	2240.9	2240.9	2240.9	2240.9	2240.9	2240.9	2240.9	2240.9
2.5°	2217.5	2230.3	2227.1	2221.8	2220.7	2222.8	2226.0	2229.2	2228.2	2233.5
5°	2211.2	2223.9	2222.8	2222.8	2227.1	2235.6	2240.9	2246.2	2240.9	2247.3
7.5°	2215.4	2225.0	2229.2	2233.5	2244.1	2260.0	2272.7	2284.4	2278.0	2285.5
10°	2269.6	2277.0	2281.2	2281.2	2288.7	2306.7	2319.4	2340.7	2335.4	2347.0
12.5°	2368.3	2375.7	2375.7	2371.5	2376.8	2388.4	2392.7	2416.0	2406.5	2425.6
15°	2489.3	2504.2	2492.5	2485.0	2487.2	2498.8	2497.8	2515.8	2506.3	2522.2
17.5°	2623.0	2642.1	2623.0	2622.0	2617.7	2630.5	2631.5	2647.5	2630.5	2642.1
20°	2781.2	2807.7	2791.8	2797.1	2787.6	2792.9	2798.2	2821.5	2795.0	2803.5
22.5°	3004.1	3036.0	3019.0	3039.2	3032.8	3028.5	3027.5	3068.9	3027.5	3030.7
25°	3329.0	3367.2	3337.5	3365.1	3365.1	3378.9	3394.8	3447.9	3378.9	3358.7
27.5°	3808.8	3847.0	3788.6	3805.6	3800.3	3834.2	3817.3	3948.9	3874.6	3841.7
30°	4386.2	4454.2	4343.8	4339.5	4334.2	4388.4	4412.8	4499.8	4424.5	4391.6
32.5°	5010.4	5081.5	4949.9	4911.7	4891.5	4924.4	4904.3	4974.3	4922.3	4871.4
35°	5670.7	5740.8	5615.5	5541.2	5460.5	5391.5	5319.3	5337.4	5288.5	5211.1
37.5°	6294.9	6423.3	6290.6	6211.0	6062.4	5927.6	5725.9	5642.0	5596.4	5525.3
40°	6930.7	7004.0	6903.1	6835.2	6673.8	6462.6	6139.9	5962.6	5901.0	5832.0
42.5°	7398.9	7468.9	7414.8	7368.1	7241.8	6996.5	6579.4	6357.5	6268.3	6190.8
45°	7770.4	7822.4	7788.4	7805.4	7751.3	7513.5	7034.8	6781.1	6688.7	6594.2
47.5°	7920.1	7975.3	8029.4	8130.3	8222.6	8047.5	7524.1	7239.6	7142.0	7045.4
50°	7903.1	7959.4	8116.5	8330.9	8617.5	8559.1	8040.0	7727.9	7637.7	7527.3
52.5°	7767.2	7830.9	8032.6	8389.3	8845.7	8942.3	8565.5	8232.2	8147.2	8015.6
55°	7410.5	7448.8	7751.3	8256.6	8899.9	9209.8	9080.3	8769.3	8684.4	8500.7
57.5°	6749.2	6804.4	7244.9	7898.8	8764.0	9391.4	9532.5	9334.0	9252.3	8988.0
60°	5886.2	5974.3	6478.5	7298.0	8417.9	9390.3	9943.4	9889.2	9821.3	9467.8
62.5°	4909.6	5011.5	5496.6	6448.8	7812.9	9123.9	10200.2	10354.2	10319.1	9910.4
65°	3770.6	3840.6	4323.6	5350.1	6871.3	8551.7	10230.0	10671.6	10677.9	10247.0
67.5°	2510.5	2712.2	3131.5	4014.7	5610.2	7616.5	9968.8	10723.6	10785.1	10362.7
70°	1225.0	1490.4	1901.2	2609.2	4014.7	6182.4	9286.3	10296.8	10433.8	10025.1
72.5°	508.5	594.5	818.4	1287.6	2304.6	4171.8	7914.8	9139.8	9393.5	8882.9
75°	342.9	371.5	468.1	660.3	1049.9	2057.2	5707.8	6815.0	7223.7	6708.9
77.5°	264.3	282.4	340.8	461.8	624.2	778.1	3055.1	4107.1	4318.3	3997.7
80°	208.1	221.9	254.8	336.5	442.7	416.1	1041.4	1860.9	1982.9	1663.4
82.5°	180.5	185.8	182.6	228.2	294.0	243.1	341.8	686.8	757.9	549.9
85°	130.6	145.4	151.8	141.2	156.0	123.1	140.1	243.1	267.5	238.8
87.5°	53.1	78.6	96.6	91.3	57.3	35.0	43.5	71.1	81.7	89.2
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°
2240.9	0°	2240.9	2240.9	2240.9	2240.9	2240.9	2240.9	2240.9	2240.9	2240.9	2240.9
2242.0	2.5°	2243.0	2250.4	2255.8	2262.1	2266.4	2272.7	2285.5	2292.9	2294.0	2299.3
2258.9	5°	2263.2	2273.8	2285.5	2302.5	2321.6	2337.5	2361.9	2378.9	2385.3	2390.6
2300.3	7.5°	2306.7	2321.6	2342.8	2372.5	2400.1	2421.4	2451.1	2471.2	2491.4	2498.8
2366.2	10°	2371.5	2392.7	2423.5	2463.8	2493.5	2521.1	2551.9	2568.9	2589.1	2597.6
2444.7	12.5°	2452.1	2474.4	2514.8	2571.0	2598.6	2617.7	2628.3	2624.1	2628.3	2635.8
2539.2	15°	2544.5	2568.9	2614.5	2675.1	2694.2	2677.2	2653.8	2632.6	2629.4	2631.5
2653.8	17.5°	2653.8	2671.9	2724.9	2775.9	2762.1	2692.0	2641.1	2607.1	2590.1	2584.8
2800.3	20°	2806.7	2806.7	2850.2	2882.1	2789.7	2670.8	2591.2	2536.0	2501.0	2486.1
2999.9	22.5°	2992.5	2975.5	3003.1	2980.8	2784.4	2611.4	2501.0	2405.4	2352.4	2331.1
3279.1	25°	3228.1	3207.9	3200.5	3062.5	2746.2	2516.9	2337.5	2221.8	2175.1	2163.4
3681.4	27.5°	3583.7	3532.8	3436.2	3107.1	2676.1	2368.3	2146.4	2039.2	2012.7	2013.7
4198.4	30°	4057.2	3955.3	3718.5	3114.5	2561.5	2158.1	1951.1	1874.7	1861.9	1867.2
4632.5	32.5°	4495.6	4399.0	4007.3	3080.6	2385.3	1952.2	1775.9	1725.0	1705.9	1712.2
4963.7	35°	4839.5	4813.0	4274.8	3032.8	2168.7	1759.0	1618.8	1575.3	1538.2	1529.7
5275.8	37.5°	5164.3	5153.7	4475.4	2965.9	1954.3	1622.0	1492.5	1435.2	1381.1	1351.3
5620.8	40°	5521.0	5510.4	4607.0	2862.9	1764.3	1503.1	1378.9	1303.6	1236.7	1182.5
6011.4	42.5°	5922.3	5859.6	4669.7	2715.4	1602.9	1402.3	1286.6	1184.7	1096.6	1046.7
6453.0	45°	6360.7	6219.5	4668.6	2527.5	1467.0	1309.9	1187.9	1043.5	961.7	915.0
6906.3	47.5°	6825.6	6563.4	4611.3	2319.4	1335.4	1208.0	1035.0	924.6	870.5	841.8
7398.9	50°	7305.5	6885.1	4513.6	2080.6	1200.6	1092.3	939.5	864.1	822.7	796.1
7887.2	52.5°	7756.6	7177.0	4395.8	1809.9	1063.7	979.8	897.0	838.6	795.1	765.4
8360.6	55°	8175.9	7428.6	4229.1	1532.8	952.2	904.4	876.8	828.0	778.1	743.1
8841.5	57.5°	8548.5	7592.1	3941.5	1272.8	872.6	852.4	855.6	809.9	752.6	722.9
9314.9	60°	8858.5	7712.0	3515.8	1031.8	807.8	801.5	822.7	776.0	709.1	675.1
9715.1	62.5°	9044.2	7709.9	2993.5	845.0	752.6	754.7	779.2	733.5	665.6	633.7
9924.2	65°	9028.3	7520.9	2420.3	722.9	699.5	701.7	733.5	686.8	629.5	610.4
9819.2	67.5°	8708.8	7060.2	1856.6	643.3	641.2	650.7	687.9	655.0	607.2	605.1
9192.9	70°	7843.6	6103.8	1337.5	579.6	580.7	594.5	643.3	634.8	595.5	599.8
7729.0	72.5°	6289.6	4653.7	898.1	512.7	513.8	536.1	600.8	618.9	583.8	640.1
5483.9	75°	4188.8	2902.2	577.5	441.6	442.7	471.3	563.7	588.1	552.0	638.0
2853.4	77.5°	2012.7	1304.6	418.2	371.5	371.5	398.1	487.2	526.5	470.3	495.7
917.2	80°	695.3	490.4	329.1	299.4	293.0	311.0	410.8	456.5	405.5	373.7
299.4	82.5°	273.9	254.8	264.3	232.5	211.2	222.9	319.5	376.8	298.3	269.6
168.8	85°	157.1	165.6	186.8	153.9	122.1	136.9	234.6	270.7	225.0	198.5
55.2	87.5°	42.5	58.4	86.0	79.6	55.2	58.4	111.5	149.7	129.5	99.8
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>
2240.9
2298.2
2389.5
2499.9
2601.8
2637.9
2639.0
2592.3
2482.9
2327.9
2165.5
2016.9
1885.3
1720.7
1536.0
1352.4
1187.9
1049.9
912.9
835.4
786.6
752.6
729.3
703.8
660.3
624.2
609.3
608.3
598.7
648.6
643.3
454.3
350.3
268.6
202.8
103.0
0.0

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