

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: P948544

Luminaire Tested: **GALN-SB3C-760-U-T3R**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948544
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-5)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB3C-760-U-T3R
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 5700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
ROADWAY OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24405 lumens
Efficiency: N/A
Efficacy: 163.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G4

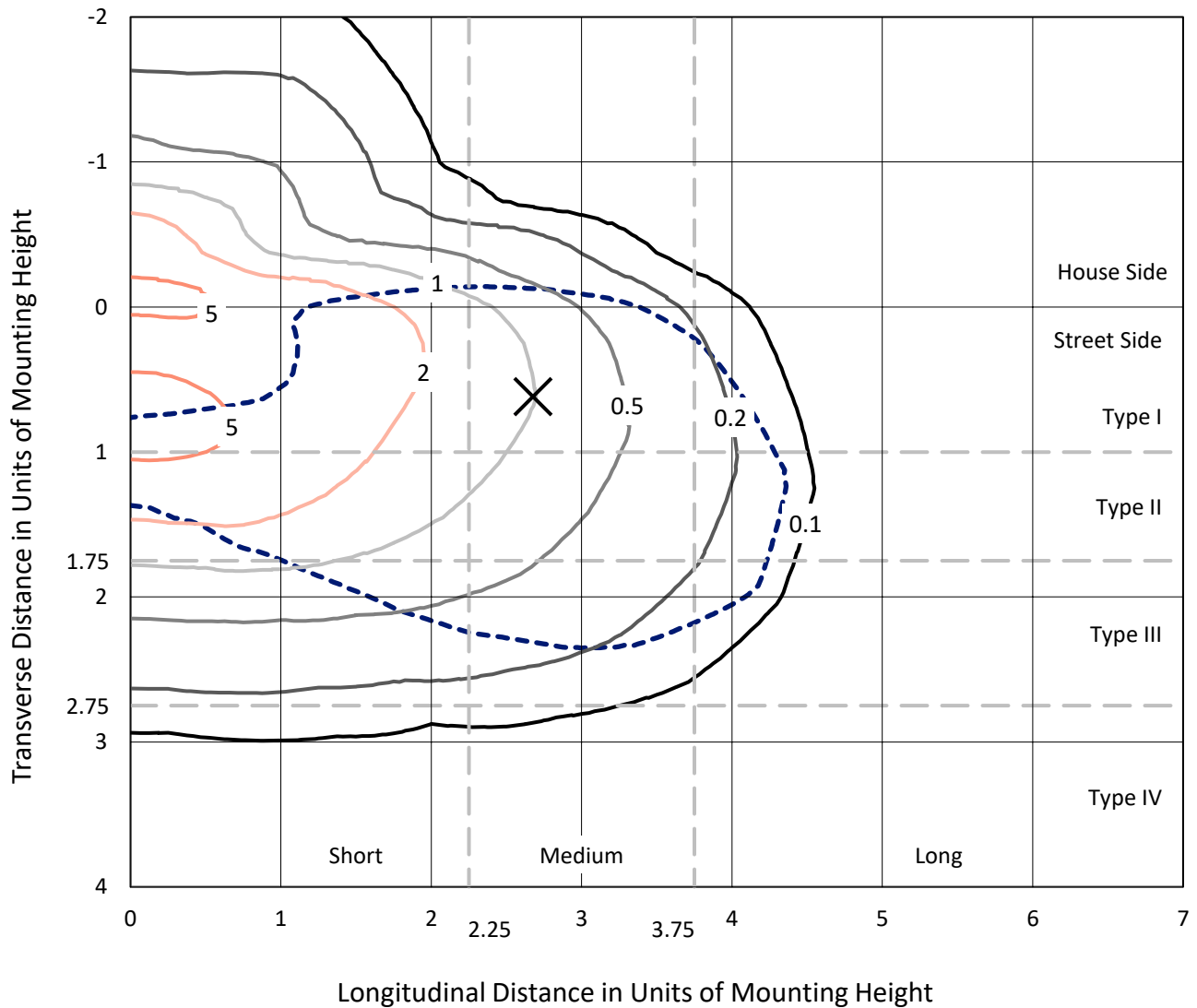
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P948544
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Iso-Footcandle Lines of Horizontal Illumination

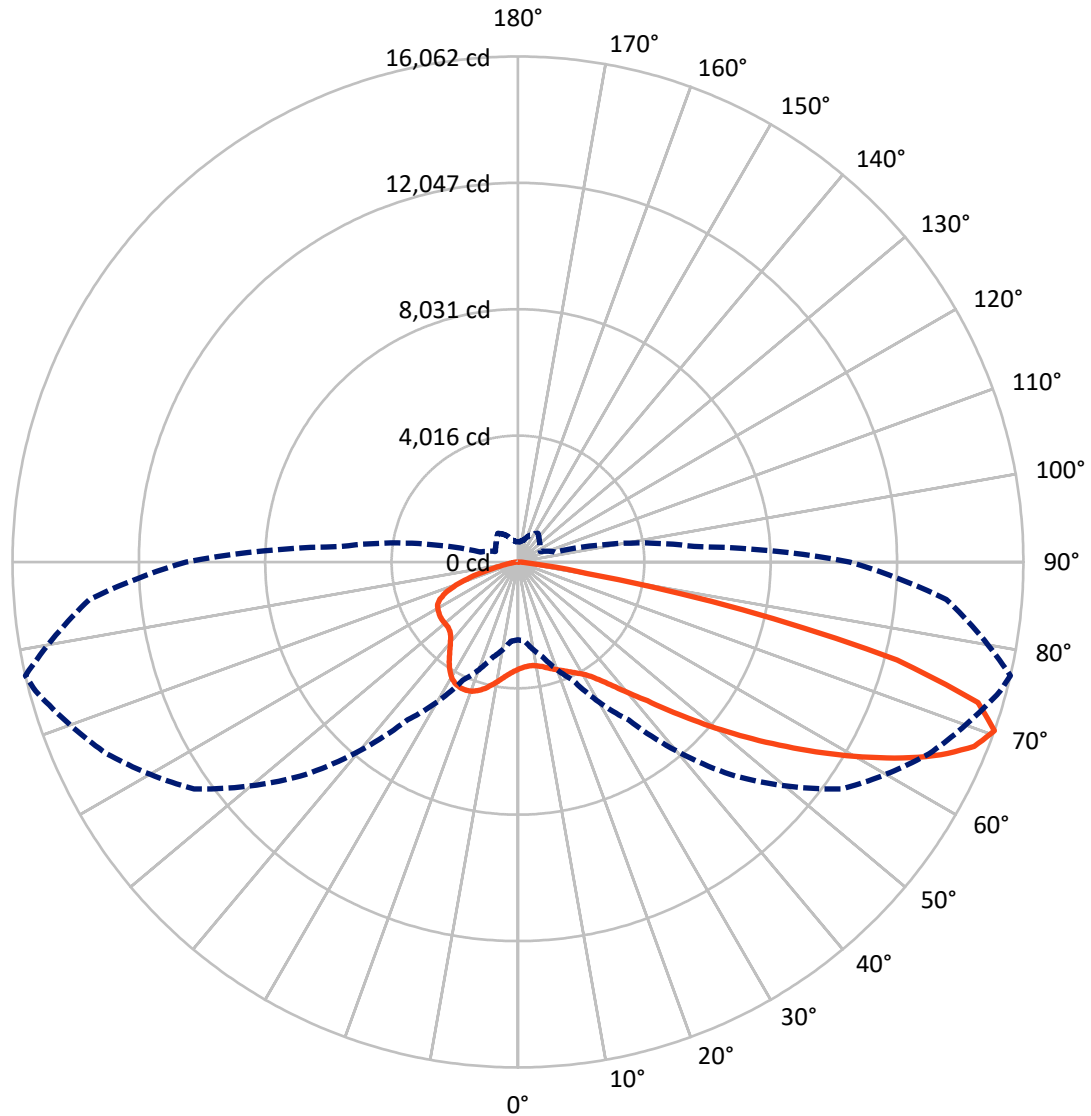
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.5 fc
 Type III - Medium - N/A

REPORT NUMBER: P948544
CATALOG NUMBER: GALN-SB3C-760-U-T3R

Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P948544

CATALOG NUMBER: GALN-SB3C-760-U-T3R

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5344.3	0.0	5344.3
	% Fixture	21.9	0.0	21.9
Street Side	Lumens	19060.7	0.0	19060.7
	% Fixture	78.1	0.0	78.1
Total	Lumens	24405.0	0.0	24405.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	324.7	1.3
10°-20°	937.2	3.8
20°-30°	1602.7	6.6
30°-40°	2577.3	10.6
40°-50°	4023.8	16.5
50°-60°	5374.9	22.0
60°-70°	5728.8	23.5
70°-80°	3526.6	14.5
80°-90°	309.0	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°	24405.0	100.0
0°-180°	24405.0	100.0

Coefficient of Utilization



REPORT NUMBER: P948544

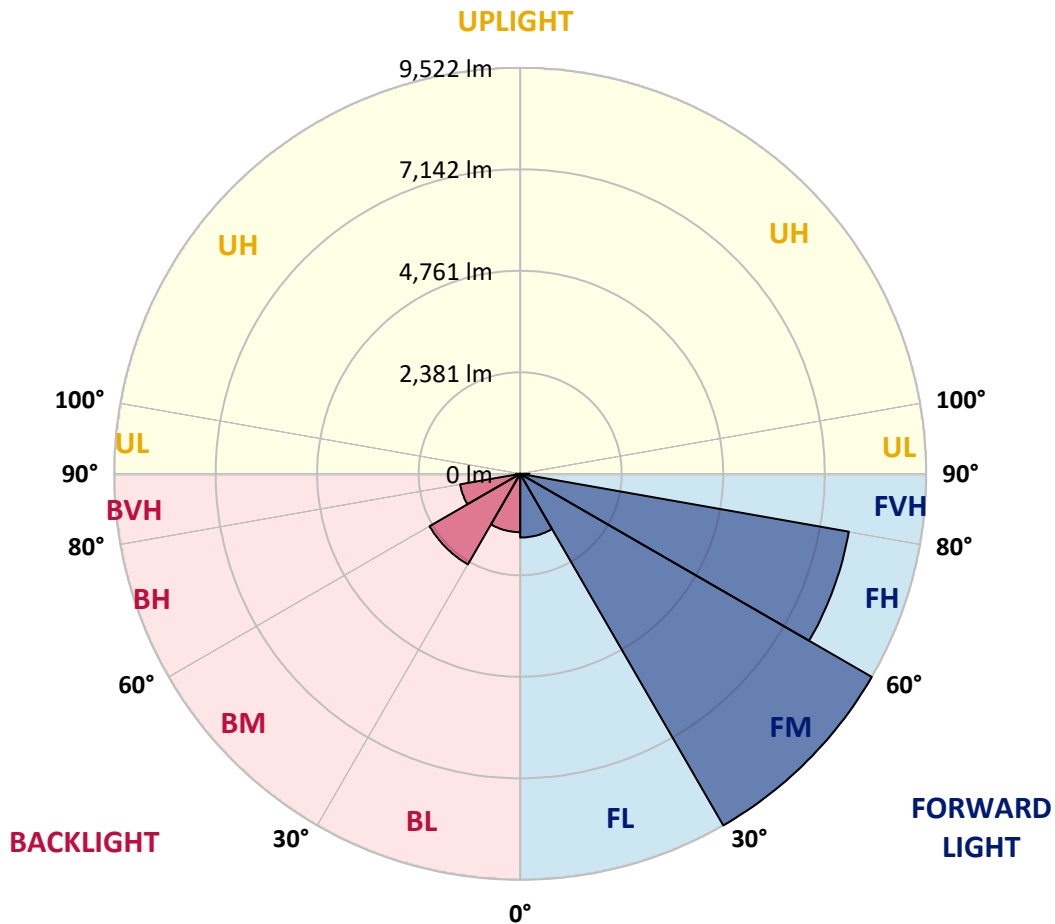
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1495.2	6.1			
FM (30°-60°)	9522.3	39.0			
FH (60°-80°)	7827.1	32.1			G4/12000
FVH (80°-90°)	216.1	0.9			G2/225
BL (0°-30°)	1369.4	5.6	B3/2500		
BM (30°-60°)	2453.7	10.1	B2/2500		
BH (60°-80°)	1428.3	5.9	B3/2500		G3/2500
BVH (80°-90°)	92.9	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type III Medium



REPORT NUMBER: P948544
 CATALOG NUMBER: GALN-SB3C-760-U-T3R

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°
0°	3404.7	3404.7	3404.7	3404.7	3404.7	3404.7	3404.7	3404.7	3404.7	3404.7
2.5°	3138.5	3137.2	3153.5	3158.5	3188.5	3209.7	3249.7	3292.2	3347.2	3353.5
5°	2957.3	2957.3	2976.0	2996.0	3034.8	3077.2	3138.5	3212.2	3307.2	3322.2
7.5°	2803.5	2813.5	2829.8	2868.5	2913.5	2974.8	3068.5	3173.5	3298.5	3322.2
10°	2679.8	2691.0	2711.0	2742.3	2809.8	2894.8	3017.3	3152.2	3319.7	3357.2
12.5°	2641.0	2652.3	2663.5	2687.3	2749.8	2849.8	2996.0	3162.2	3371.0	3408.5
15°	2731.0	2744.8	2736.0	2729.8	2762.3	2853.5	3006.0	3198.5	3434.7	3488.5
17.5°	2938.5	2943.5	2923.5	2864.8	2859.8	2908.5	3053.5	3248.5	3514.7	3573.5
20°	3273.5	3264.7	3223.5	3107.2	3041.0	3031.0	3134.7	3323.5	3597.2	3659.7
22.5°	3728.4	3718.4	3636.0	3452.2	3304.7	3207.2	3252.2	3421.0	3689.7	3759.7
25°	4295.9	4282.1	4160.9	3910.9	3682.2	3441.0	3412.2	3549.7	3803.4	3868.4
27.5°	4958.3	4947.1	4815.9	4485.9	4155.9	3760.9	3611.0	3700.9	3922.2	3995.9
30°	5670.8	5703.3	5470.8	5115.8	4698.4	4178.4	3878.4	3887.2	4075.9	4142.2
32.5°	6508.2	6564.5	6284.5	5834.5	5264.6	4632.1	4215.9	4147.2	4299.6	4354.6
35°	7338.1	7401.9	7169.4	6672.0	6015.8	5167.1	4568.4	4445.9	4597.1	4657.1
37.5°	8055.6	8140.6	8020.6	7588.1	6819.4	5812.0	5028.3	4797.1	4963.3	5038.3
40°	8621.8	8751.8	8743.0	8473.1	7766.9	6594.5	5612.0	5230.8	5418.3	5499.5
42.5°	9081.8	9194.2	9291.7	9278.0	8755.5	7483.1	6298.2	5794.5	5937.0	6030.8
45°	9399.2	9519.2	9729.2	9955.4	9706.7	8434.3	7084.4	6463.2	6593.2	6734.4
47.5°	9683.0	9819.2	10091.7	10450.4	10514.1	9389.2	7945.6	7241.9	7360.6	7506.9
50°	9708.0	9825.4	10247.9	10756.6	11087.8	10306.7	8870.5	8115.6	8226.8	8383.1
52.5°	9104.3	9289.2	10026.7	10747.9	11351.6	11074.1	9789.2	9024.3	9149.2	9336.7
55°	7066.9	7338.1	9378.0	10412.9	11257.8	11570.3	10662.9	9990.4	10150.4	10346.6
57.5°	6087.0	6205.7	7444.4	9802.9	10830.4	11699.0	11400.3	10966.6	11224.1	11439.1
60°	5470.8	5569.5	6302.0	8854.3	10267.9	11495.3	11970.3	11876.5	12321.5	12577.7
62.5°	4810.9	4904.6	5570.8	7393.1	9548.0	11156.6	12330.2	12716.5	13446.4	13726.4
65°	4155.9	4235.9	4874.6	6212.0	8633.0	10817.9	12516.5	13442.6	14487.6	14777.5
67.5°	3426.0	3492.2	4095.9	5240.8	7520.6	10354.1	12609.0	14013.8	15393.7	15642.5
70°	2472.3	2523.5	3147.2	4144.7	6124.5	9556.7	12571.5	14418.8	15863.7	16062.4
72.5°	1168.7	1214.9	1947.3	2691.0	4325.9	8004.3	11812.8	14097.6	15386.2	15287.5
75°	623.7	663.7	1118.7	1476.1	2284.8	5487.0	9666.7	12144.0	12920.2	12440.2
77.5°	422.5	453.7	692.4	886.2	1043.7	2604.8	6213.2	8408.1	8089.3	7296.9
80°	335.0	367.5	567.5	600.0	505.0	941.2	2567.3	3892.2	2796.0	2236.1
82.5°	257.5	293.7	477.5	435.0	275.0	386.2	747.4	1231.1	716.2	545.0
85°	157.5	196.2	375.0	277.5	155.0	176.2	253.7	342.5	218.7	182.5
87.5°	80.0	112.5	190.0	101.2	70.0	41.2	67.5	67.5	57.5	50.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P948544
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CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
3404.7	0°	3404.7	3404.7	3404.7	3404.7	3404.7	3404.7	3404.7	3404.7	3404.7	3404.7
3387.2	2.5°	3417.2	3442.2	3484.7	3524.7	3556.0	3586.0	3616.0	3632.2	3637.2	3657.2
3406.0	5°	3457.2	3503.5	3586.0	3663.4	3712.2	3742.2	3763.4	3775.9	3778.4	3784.7
3457.2	7.5°	3531.0	3604.7	3719.7	3797.2	3833.4	3830.9	3822.2	3790.9	3778.4	3767.2
3532.2	10°	3634.7	3732.2	3873.4	3927.2	3904.7	3844.7	3767.2	3675.9	3633.5	3592.2
3634.7	12.5°	3763.4	3887.2	4025.9	4023.4	3912.2	3758.4	3578.5	3438.5	3349.7	3286.0
3760.9	15°	3919.7	4062.2	4168.4	4083.4	3839.7	3563.5	3299.7	3117.2	3037.3	2967.3
3888.4	17.5°	4080.9	4233.4	4282.1	4064.7	3657.2	3274.7	2976.0	2832.3	2753.5	2716.0
4025.9	20°	4238.4	4389.6	4349.6	3957.2	3379.7	2947.3	2681.0	2602.3	2586.0	2594.8
4159.7	22.5°	4404.6	4539.6	4363.4	3749.7	3026.0	2612.3	2466.0	2468.5	2504.8	2531.0
4299.6	25°	4574.6	4665.9	4327.1	3449.7	2646.0	2366.1	2329.8	2369.8	2441.0	2492.3
4457.1	27.5°	4738.4	4778.4	4248.4	3078.5	2319.8	2189.8	2196.1	2278.6	2386.1	2457.3
4648.4	30°	4923.3	4878.3	4097.2	2661.0	2093.6	2038.6	2091.1	2187.3	2294.8	2358.6
4889.6	32.5°	5132.1	4964.6	3857.2	2274.8	1933.6	1917.3	2003.6	2066.1	2113.6	2132.3
5209.6	35°	5392.1	5085.8	3549.7	2003.6	1789.9	1828.6	1911.1	1879.8	1861.1	1851.1
5639.5	37.5°	5729.5	5249.6	3189.7	1827.3	1673.6	1764.9	1798.6	1701.1	1627.4	1591.1
6160.7	40°	6135.7	5489.5	2843.5	1691.1	1599.9	1709.9	1651.1	1533.6	1439.9	1388.6
6746.9	42.5°	6587.0	5740.8	2552.3	1588.6	1558.6	1664.9	1542.4	1402.4	1251.1	1234.9
7445.6	45°	7060.7	5999.5	2353.6	1509.9	1538.6	1626.1	1479.9	1253.6	1146.2	1212.4
8146.8	47.5°	7534.4	6237.0	2233.6	1451.1	1528.6	1582.4	1424.9	1171.2	1094.9	1191.2
8898.0	50°	8061.8	6449.5	2179.8	1408.6	1517.4	1564.9	1342.4	1149.9	1041.2	1104.9
9675.5	52.5°	8585.5	6614.5	2139.8	1366.1	1501.1	1551.1	1302.4	1124.9	976.2	979.9
10457.9	55°	9108.0	6721.9	2096.1	1309.9	1464.9	1521.1	1298.6	1097.4	927.4	909.9
11285.3	57.5°	9665.5	6783.2	2042.3	1247.4	1402.4	1444.9	1294.9	1076.2	912.4	883.7
12131.5	60°	10232.9	6873.2	1972.3	1171.2	1318.6	1353.6	1286.1	1068.7	903.7	854.9
12928.9	62.5°	10741.6	6904.4	1888.6	1098.7	1211.2	1263.6	1267.4	1062.4	879.9	796.2
13591.4	65°	11075.3	6769.4	1742.4	1016.2	1094.9	1171.2	1231.1	1041.2	837.4	753.7
13918.9	67.5°	11061.6	6384.5	1513.6	909.9	982.4	1068.7	1178.7	1004.9	786.2	701.2
13671.4	70°	10546.6	5624.5	1223.6	786.2	858.7	958.7	1111.2	951.2	724.9	643.7
12156.5	72.5°	9045.5	4402.1	888.7	641.2	714.9	844.9	1023.7	886.2	662.4	592.5
8984.3	75°	6462.0	2786.0	602.5	492.5	556.2	716.2	914.9	809.9	605.0	595.0
4499.6	77.5°	3301.0	1331.1	398.7	360.0	387.5	565.0	768.7	723.7	613.7	491.2
1279.9	80°	1073.7	491.2	251.2	245.0	257.5	376.2	595.0	593.7	465.0	333.7
310.0	82.5°	342.5	211.2	163.7	157.5	151.2	236.2	415.0	470.0	313.7	211.2
111.2	85°	136.2	126.2	96.2	88.7	63.7	111.2	217.5	312.5	233.7	152.5
28.7	87.5°	50.0	50.0	26.2	18.7	13.7	37.5	58.7	93.7	133.7	78.7
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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<u>180°</u>
3404.7
3668.4
3794.7
3769.7
3579.7
3271.0
2959.8
2727.3
2591.0
2537.3
2506.0
2474.8
2373.6
2142.3
1861.1
1599.9
1392.4
1251.1
1247.4
1236.1
1152.4
1006.2
922.4
887.4
858.7
796.2
753.7
704.9
651.2
588.7
561.2
437.5
295.0
210.0
156.2
77.5
0.0

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