

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: P943107

Luminaire Tested: **GALN-SB7B-935-U-T3**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P943107
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-SB7B-935-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 90 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27877 lumens
Efficiency: N/A
Efficacy: 108.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

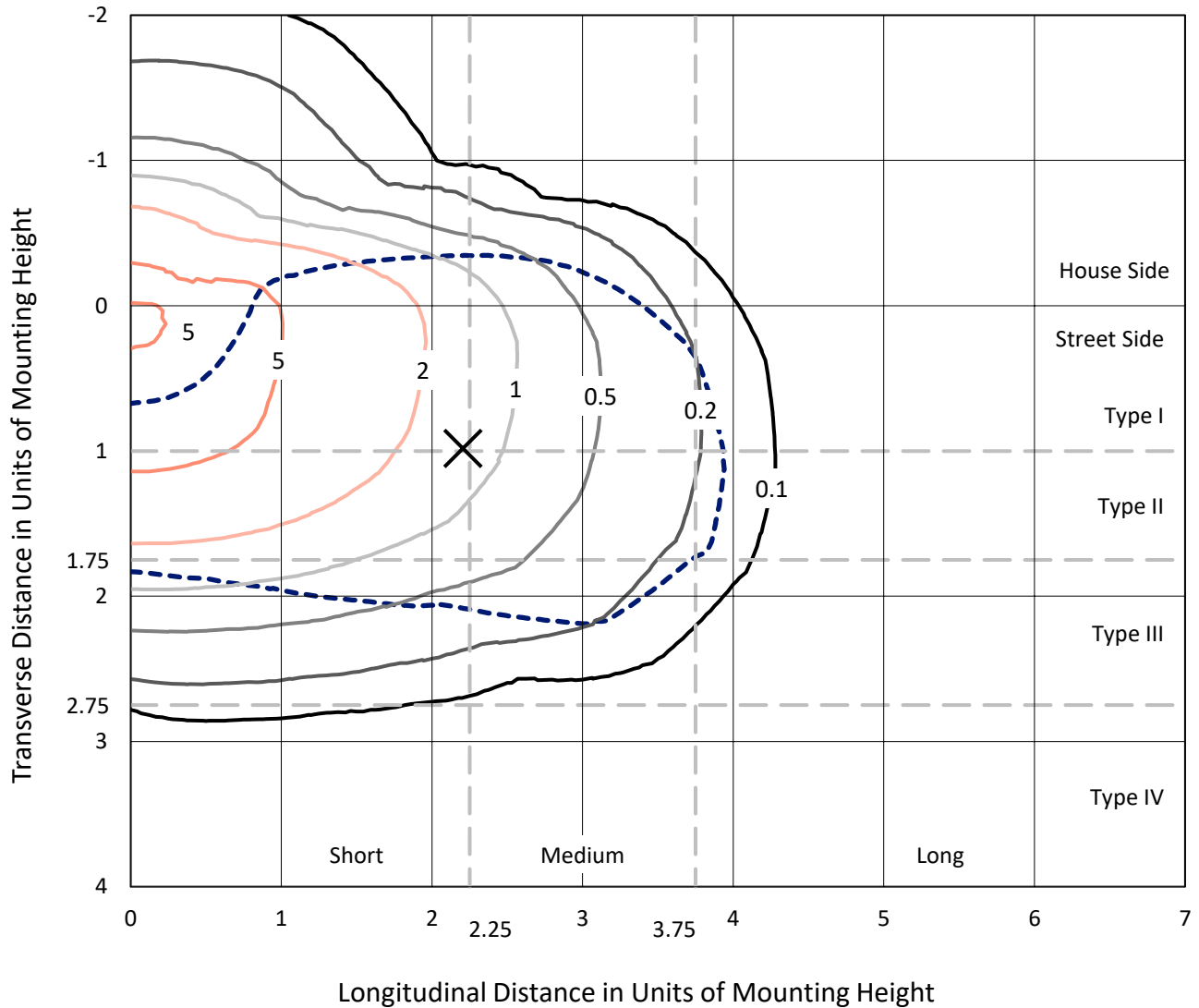
Input Watts (W): 256.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

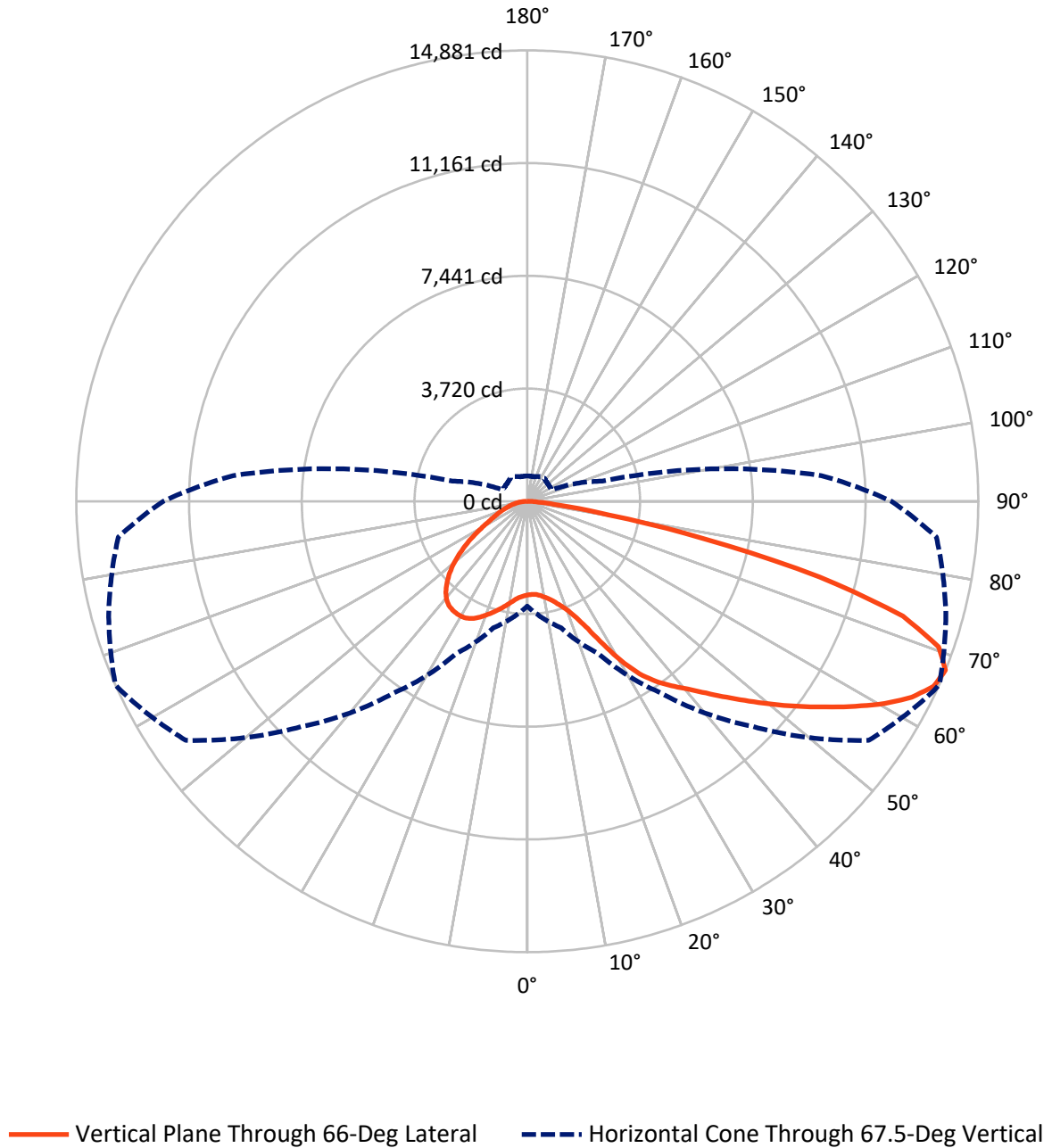
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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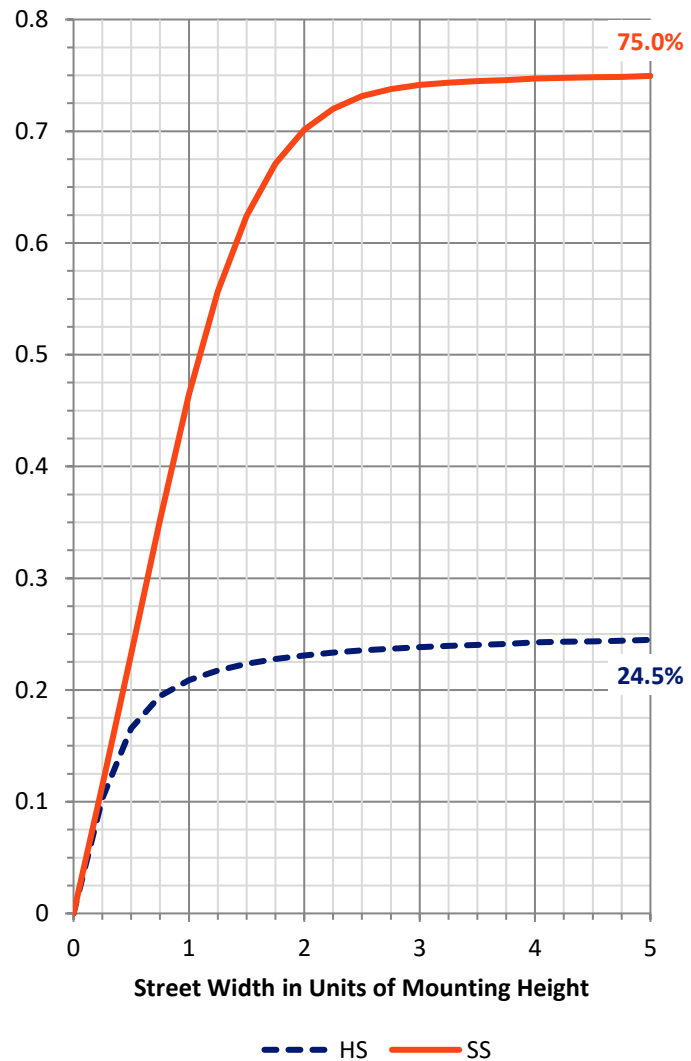
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6931.5	0.0	6931.5
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	20945.5	0.0	20945.5
	% Fixture	75.1	0.0	75.1
Total	Lumens	27877.0	0.0	27877.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	306.5	1.1
10°-20°	1012.8	3.6
20°-30°	1952.1	7.0
30°-40°	3422.8	12.3
40°-50°	5088.6	18.3
50°-60°	6450.3	23.1
60°-70°	6311.4	22.6
70°-80°	3010.6	10.8
80°-90°	321.8	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°	27877.0	100.0
0°-180°	27877.0	100.0

Coefficient of Utilization



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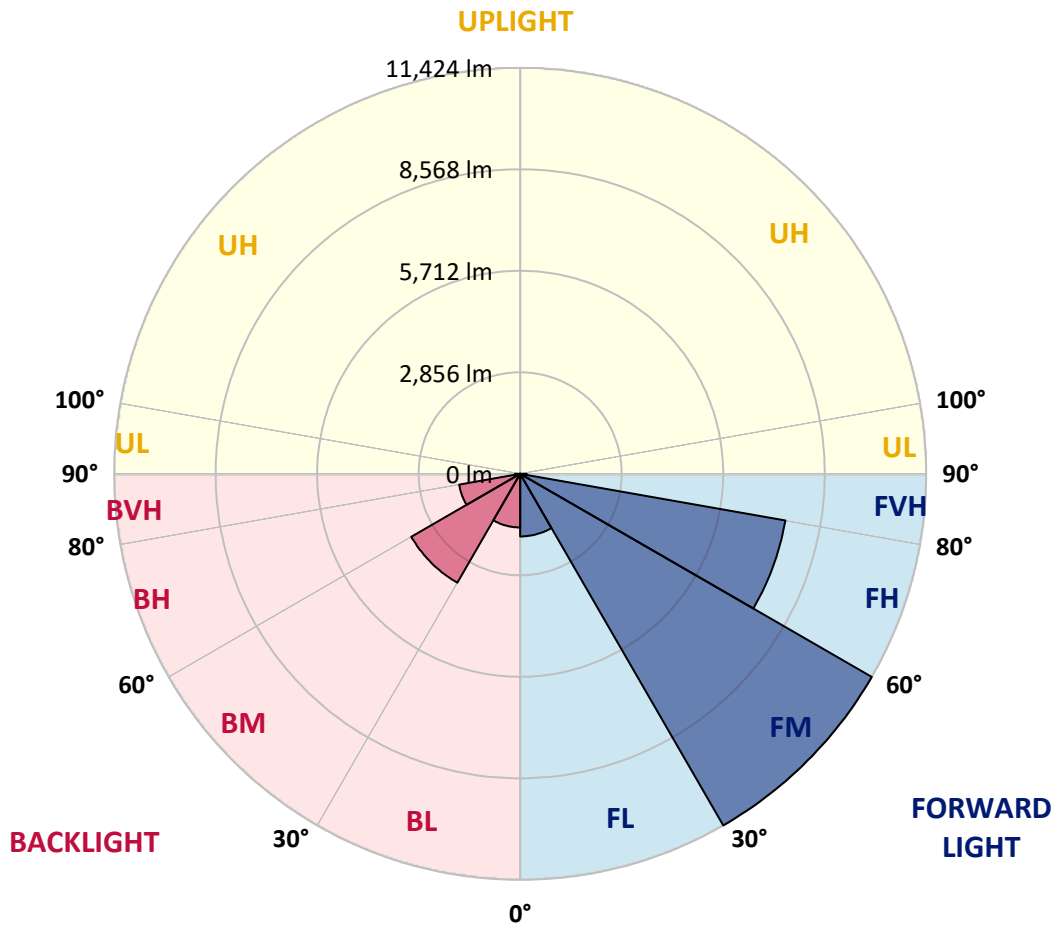
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1761.6	6.3			
FM (30°-60°)	11423.8	41.0			
FH (60°-80°)	7577.7	27.2			G4/12000
FVH (80°-90°)	182.4	0.7			G2/225
BL (0°-30°)	1509.9	5.4	B3/2500		
BM (30°-60°)	3537.9	12.7	B3/5000		
BH (60°-80°)	1744.3	6.3	B3/2500		G3/2500
BVH (80°-90°)	139.3	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-G4

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	3091.9	3091.9	3091.9	3091.9	3091.9	3091.9	3091.9	3091.9	3091.9	3091.9
2.5°	3059.7	3077.3	3072.9	3065.6	3064.1	3067.0	3071.4	3075.8	3074.4	3081.7
5°	3050.9	3068.5	3067.0	3067.0	3072.9	3084.6	3091.9	3099.3	3091.9	3100.7
7.5°	3056.8	3070.0	3075.8	3081.7	3096.3	3118.3	3135.9	3152.0	3143.2	3153.4
10°	3131.5	3141.7	3147.6	3147.6	3157.8	3182.7	3200.3	3229.6	3222.3	3238.4
12.5°	3267.7	3277.9	3277.9	3272.1	3279.4	3295.5	3301.4	3333.6	3320.4	3346.8
15°	3434.7	3455.2	3439.1	3428.8	3431.7	3447.8	3446.4	3471.3	3458.1	3480.1
17.5°	3619.2	3645.6	3619.2	3617.7	3611.9	3629.5	3630.9	3652.9	3629.5	3645.6
20°	3837.4	3874.1	3852.1	3859.4	3846.2	3853.6	3860.9	3893.1	3856.5	3868.2
22.5°	4145.0	4189.0	4165.5	4193.4	4184.6	4178.7	4177.3	4234.4	4177.3	4181.6
25°	4593.2	4645.9	4604.9	4643.0	4643.0	4662.1	4684.0	4757.3	4662.1	4634.2
27.5°	5255.3	5308.0	5227.4	5250.9	5243.5	5290.4	5267.0	5448.6	5346.1	5300.7
30°	6052.0	6145.8	5993.4	5987.6	5980.3	6055.0	6088.7	6208.8	6104.8	6059.4
32.5°	6913.3	7011.4	6829.8	6777.0	6749.2	6794.6	6766.8	6863.5	6791.7	6721.4
35°	7824.3	7921.0	7748.1	7645.6	7534.3	7439.1	7339.5	7364.4	7297.0	7190.1
37.5°	8685.5	8862.7	8679.7	8569.8	8364.8	8178.7	7900.5	7784.7	7721.8	7623.6
40°	9562.9	9663.9	9524.8	9431.0	9208.4	8916.9	8471.7	8227.1	8142.1	8046.9
42.5°	10208.8	10305.4	10230.8	10166.3	9992.0	9653.7	9078.1	8771.9	8648.9	8542.0
45°	10721.4	10793.2	10746.3	10769.8	10695.1	10367.0	9706.4	9356.3	9228.9	9098.6
47.5°	10927.9	11004.1	11078.8	11217.9	11345.4	11103.7	10381.6	9989.1	9854.3	9721.0
50°	10904.5	10982.1	11198.9	11494.8	11890.2	11809.7	11093.4	10662.8	10538.3	10386.0
52.5°	10717.0	10804.9	11083.2	11575.3	12205.1	12338.4	11818.5	11358.6	11241.4	11059.8
55°	10224.9	10277.6	10695.1	11392.2	12279.8	12707.5	12528.8	12099.7	11982.5	11729.1
57.5°	9312.4	9388.6	9996.4	10898.6	12092.4	12958.0	13152.8	12878.9	12766.1	12401.4
60°	8121.6	8243.2	8938.9	10069.6	11614.9	12956.5	13719.6	13644.9	13551.2	13063.4
62.5°	6774.1	6914.7	7584.1	8897.9	10780.0	12588.9	14074.1	14286.4	14238.1	13674.2
65°	5202.5	5299.2	5965.6	7382.0	9480.8	11799.4	14115.1	14724.4	14733.2	14138.5
67.5°	3464.0	3742.2	4320.8	5539.4	7740.8	10509.0	13754.8	14796.1	14881.1	14298.2
70°	1690.2	2056.4	2623.2	3600.2	5539.4	8530.3	12813.0	14207.3	14396.3	13832.4
72.5°	701.6	820.2	1129.3	1776.7	3179.8	5756.2	10920.6	12610.8	12960.9	12256.4
75°	473.1	512.6	645.9	911.0	1448.6	2838.5	7875.6	9403.2	9967.1	9256.7
77.5°	364.7	389.6	470.2	637.1	861.2	1073.6	4215.3	5666.8	5958.3	5516.0
80°	287.1	306.1	351.5	464.3	610.8	574.2	1436.8	2567.6	2736.0	2295.1
82.5°	249.0	256.3	251.9	314.9	405.7	335.4	471.6	947.6	1045.8	758.7
85°	180.2	200.7	209.4	194.8	215.3	169.9	193.3	335.4	369.1	329.6
87.5°	73.2	108.4	133.3	126.0	79.1	48.3	60.1	98.1	112.8	123.0
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°
3091.9	0°	3091.9	3091.9	3091.9	3091.9	3091.9	3091.9	3091.9	3091.9	3091.9	3091.9
3093.4	2.5°	3094.9	3105.1	3112.4	3121.2	3127.1	3135.9	3153.4	3163.7	3165.2	3172.5
3116.8	5°	3122.7	3137.3	3153.4	3176.9	3203.2	3225.2	3258.9	3282.3	3291.1	3298.4
3173.9	7.5°	3182.7	3203.2	3232.5	3273.5	3311.6	3340.9	3381.9	3409.8	3437.6	3447.8
3264.8	10°	3272.1	3301.4	3343.9	3399.5	3440.5	3478.6	3521.1	3544.5	3572.3	3584.1
3373.1	12.5°	3383.4	3414.2	3469.8	3547.4	3585.5	3611.9	3626.5	3620.7	3626.5	3636.8
3503.5	15°	3510.8	3544.5	3607.5	3691.0	3717.3	3693.9	3661.7	3632.4	3628.0	3630.9
3661.7	17.5°	3661.7	3686.6	3759.8	3830.1	3811.1	3714.4	3644.1	3597.2	3573.8	3566.5
3863.8	20°	3872.6	3872.6	3932.7	3976.6	3849.2	3685.1	3575.3	3499.1	3450.8	3430.3
4139.2	22.5°	4128.9	4105.5	4143.6	4112.8	3841.8	3603.1	3450.8	3319.0	3245.7	3216.4
4524.4	25°	4454.1	4426.2	4416.0	4225.6	3789.1	3472.7	3225.2	3065.6	3001.1	2985.0
5079.5	27.5°	4944.7	4874.4	4741.2	4287.1	3692.4	3267.7	2961.6	2813.6	2777.0	2778.5
5792.8	30°	5598.0	5457.4	5130.8	4297.4	3534.3	2977.7	2692.1	2586.6	2569.0	2576.4
6391.8	32.5°	6202.9	6069.6	5529.1	4250.5	3291.1	2693.5	2450.4	2380.1	2353.7	2362.5
6848.8	35°	6677.5	6640.8	5898.2	4184.6	2992.3	2427.0	2233.6	2173.6	2122.3	2110.6
7279.4	37.5°	7125.6	7111.0	6175.1	4092.3	2696.5	2238.0	2059.3	1980.2	1905.5	1864.5
7755.5	40°	7617.8	7603.1	6356.7	3950.2	2434.3	2074.0	1902.6	1798.6	1706.3	1631.6
8294.5	42.5°	8171.4	8085.0	6443.1	3746.6	2211.7	1934.8	1775.2	1634.6	1513.0	1444.2
8903.8	45°	8776.3	8581.5	6441.6	3487.4	2024.2	1807.4	1639.0	1439.8	1327.0	1262.5
9529.2	47.5°	9417.9	9056.1	6362.5	3200.3	1842.6	1666.8	1428.1	1275.7	1201.0	1161.5
10208.8	50°	10079.9	9499.9	6227.8	2870.8	1656.5	1507.1	1296.2	1192.2	1135.1	1098.5
10882.5	52.5°	10702.4	9902.7	6065.2	2497.3	1467.6	1351.9	1237.6	1157.1	1097.0	1056.0
11535.8	55°	11280.9	10249.8	5835.3	2115.0	1313.8	1247.9	1209.8	1142.4	1073.6	1025.3
12199.3	57.5°	11795.0	10475.4	5438.3	1756.1	1204.0	1176.1	1180.5	1117.5	1038.5	997.4
12852.5	60°	12222.7	10640.9	4851.0	1423.7	1114.6	1105.8	1135.1	1070.7	978.4	931.5
13404.7	62.5°	12479.0	10637.9	4130.4	1165.9	1038.5	1041.4	1075.1	1012.1	918.4	874.4
13693.2	65°	12457.1	10377.2	3339.5	997.4	965.2	968.1	1012.1	947.6	868.6	842.2
13548.2	67.5°	12016.2	9741.5	2561.7	887.6	884.7	897.8	949.1	903.7	837.8	834.9
12684.1	70°	10822.5	8421.9	1845.5	799.7	801.2	820.2	887.6	875.9	821.7	827.5
10664.3	72.5°	8678.2	6421.1	1239.1	707.4	708.9	739.7	829.0	853.9	805.6	883.2
7566.5	75°	5779.6	4004.4	796.8	609.3	610.8	650.3	777.7	811.4	761.6	880.3
3937.0	77.5°	2777.0	1800.1	577.1	512.6	512.6	549.3	672.3	726.5	648.9	684.0
1265.5	80°	959.4	676.7	454.0	413.0	404.3	429.1	566.8	629.8	559.5	515.6
413.0	82.5°	377.9	351.5	364.7	320.8	291.5	307.6	440.9	520.0	411.6	372.0
232.9	85°	216.8	228.5	257.8	212.4	168.4	188.9	323.7	373.5	310.5	273.9
76.2	87.5°	58.6	80.6	118.6	109.9	76.2	80.6	153.8	206.5	178.7	137.7
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>
3091.9
3171.0
3297.0
3449.3
3589.9
3639.7
3641.2
3576.7
3425.9
3212.0
2987.9
2782.9
2601.3
2374.2
2119.4
1866.0
1639.0
1448.6
1259.6
1152.7
1085.3
1038.5
1006.2
971.1
911.0
861.2
840.7
839.3
826.1
894.9
887.6
626.9
483.3
370.6
279.8
142.1
0.0

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