

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: P955853

Luminaire Tested: **GALN-SB8C-935-U-T4W-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P955853
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SB8C-935-U-T4W-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 90 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV WIDE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32450 lumens
Efficiency: N/A
Efficacy: 81.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G5

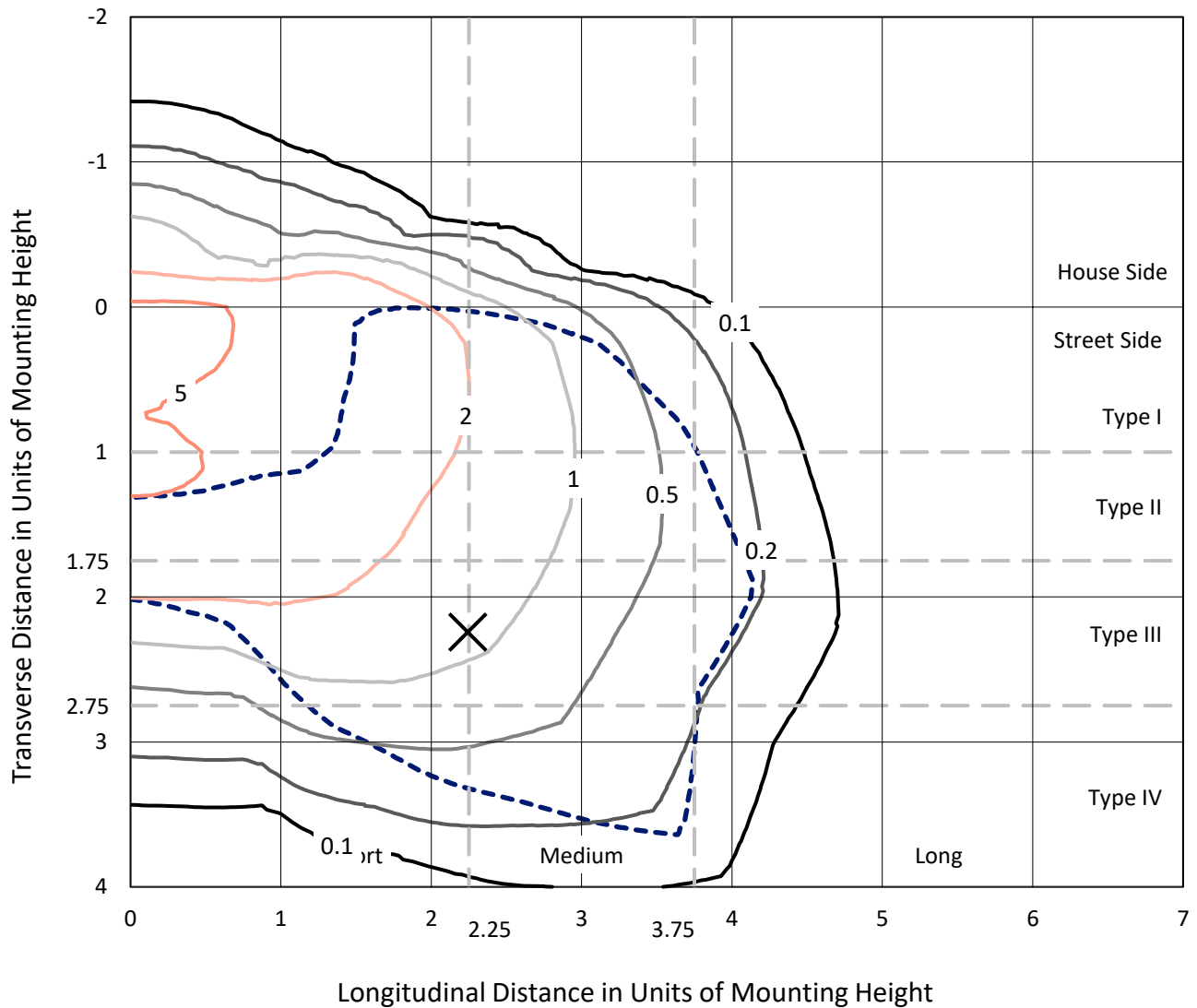
Input Watts (W): 399.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

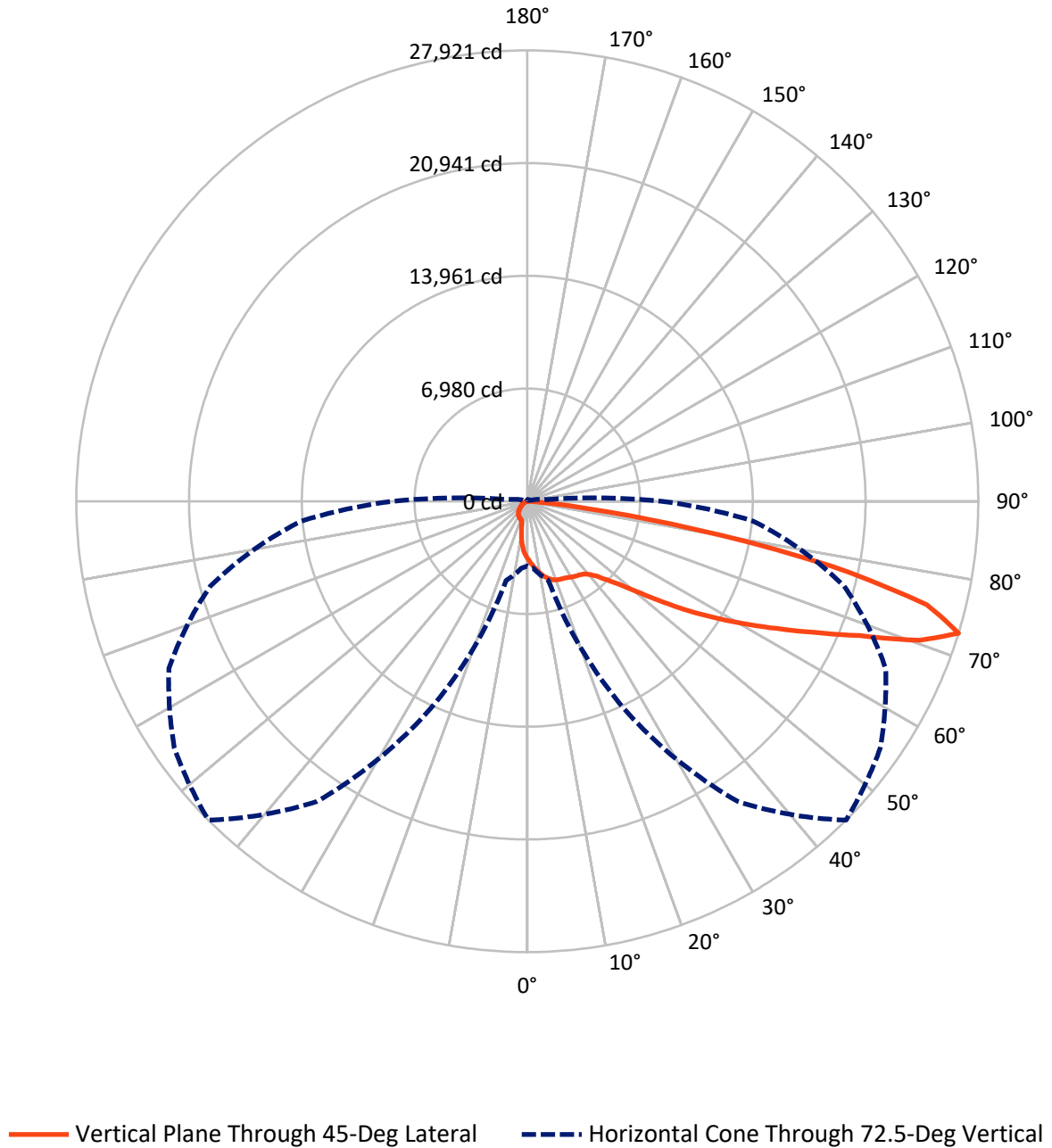
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.8 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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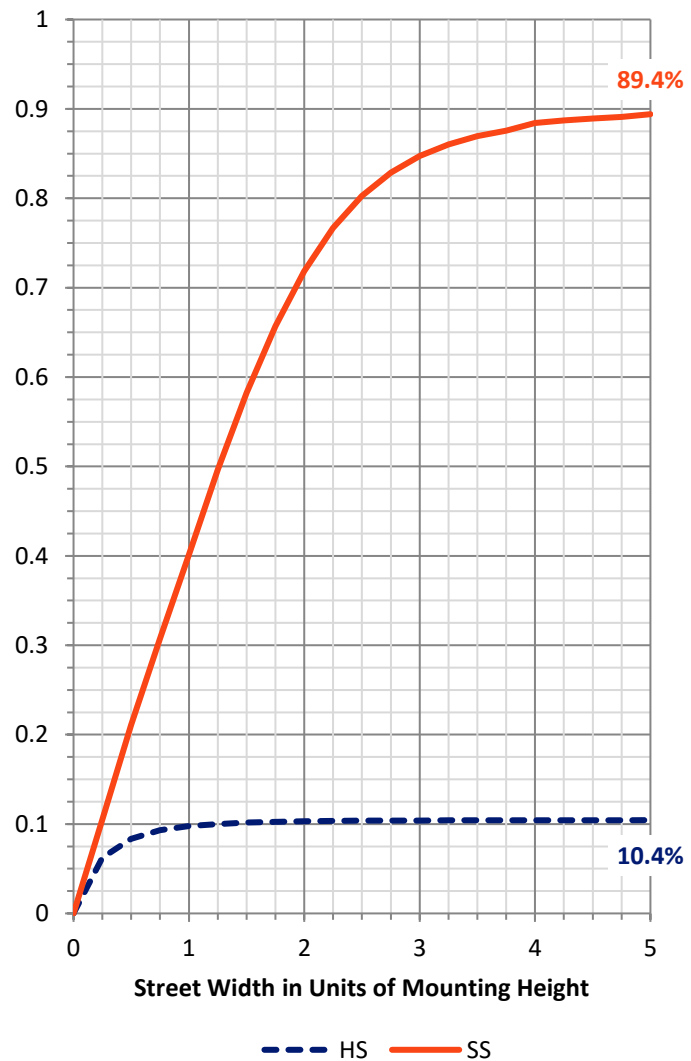
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3409.6	0.0	3409.6
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	29040.4	0.0	29040.4
	% Fixture	89.5	0.0	89.5
Total	Lumens	32450.0	0.0	32450.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	334.9	1.0
10°-20°	978.9	3.0
20°-30°	1607.5	5.0
30°-40°	2279.9	7.0
40°-50°	3768.4	11.6
50°-60°	6769.4	20.9
60°-70°	9399.7	29.0
70°-80°	6818.3	21.0
80°-90°	492.9	1.5
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°	32450.0	100.0
0°-180°	32450.0	100.0

Coefficient of Utilization



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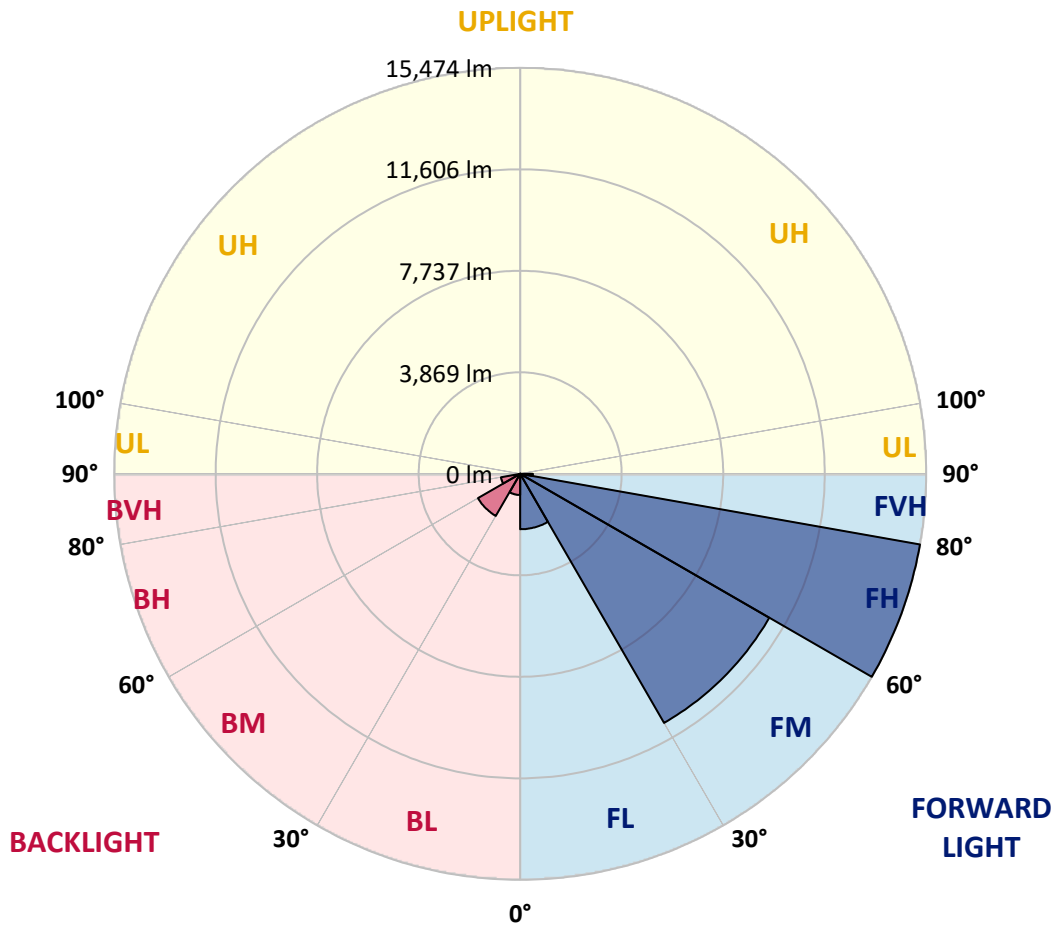
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2113.8	6.5			
FM (30°-60°)	10963.3	33.8			
FH (60°-80°)	15474.5	47.7			G5
FVH (80°-90°)	488.8	1.5			G3/500
BL (0°-30°)	807.6	2.5	B2/1000		
BM (30°-60°)	1854.3	5.7	B2/2500		
BH (60°-80°)	743.5	2.3	B2/1000		G2/1000
BVH (80°-90°)	4.1	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G5

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°
0°	3555.0	3555.0	3555.0	3555.0	3555.0	3555.0	3555.0	3555.0	3555.0	3555.0
2.5°	3882.8	3889.4	3885.0	3858.4	3814.1	3789.7	3776.5	3732.2	3703.4	3652.4
5°	4239.4	4266.0	4250.5	4197.3	4113.1	4053.3	4035.6	3944.8	3862.8	3767.6
7.5°	4618.1	4631.4	4602.6	4534.0	4421.0	4319.1	4303.6	4177.4	4046.7	3900.5
10°	4945.9	4961.4	4917.1	4817.5	4689.0	4562.8	4540.6	4401.1	4246.0	4066.6
12.5°	5220.6	5236.1	5178.5	5058.9	4917.1	4786.5	4764.3	4618.1	4447.6	4248.2
15°	5428.8	5457.6	5380.1	5251.6	5098.8	4968.1	4957.0	4813.0	4646.9	4425.4
17.5°	5550.6	5579.4	5506.3	5351.3	5220.6	5109.8	5096.6	4977.0	4821.9	4609.3
20°	5570.6	5597.1	5519.6	5384.5	5276.0	5187.4	5180.7	5094.3	4981.4	4777.6
22.5°	5510.8	5544.0	5473.1	5364.6	5289.3	5242.7	5233.9	5185.2	5120.9	4948.2
25°	5448.7	5475.3	5422.2	5326.9	5287.0	5282.6	5289.3	5280.4	5267.1	5120.9
27.5°	5444.3	5473.1	5413.3	5322.5	5300.3	5346.8	5353.5	5395.6	5406.7	5278.2
30°	5482.0	5501.9	5444.3	5349.1	5338.0	5444.3	5446.5	5521.8	5539.5	5411.1
32.5°	5563.9	5586.1	5528.5	5388.9	5373.4	5521.8	5528.5	5628.1	5656.9	5552.8
35°	5756.6	5783.2	5716.7	5499.7	5444.3	5594.9	5614.9	5732.2	5789.8	5703.5
37.5°	6237.2	6159.7	6068.9	5723.4	5606.0	5710.1	5743.3	5880.6	5982.5	5882.9
40°	7431.1	7187.5	6903.9	6104.4	5889.5	5956.0	5982.5	6119.9	6259.4	6161.9
42.5°	9223.0	8935.0	8478.8	6981.5	6317.0	6350.2	6370.1	6489.8	6686.9	6609.4
45°	10819.9	10715.8	10250.7	8478.8	7116.6	6952.7	6977.0	7039.1	7329.2	7300.4
47.5°	12047.0	11987.2	11628.4	10197.5	8467.7	7690.2	7758.9	7787.7	8206.3	8308.2
50°	12990.6	12968.4	12647.3	11725.9	10233.0	8777.8	8802.1	8740.1	9366.9	9619.5
52.5°	13881.0	13956.3	13719.3	13145.6	12117.9	10202.0	10197.5	9905.2	10751.3	11132.3
55°	14685.0	14711.6	14735.9	14594.2	14013.9	11823.3	11781.2	11302.8	12357.1	12751.4
57.5°	15440.3	15451.4	15668.4	15958.6	15987.4	13564.2	13486.7	12913.1	14111.3	14392.6
60°	15947.5	15998.5	16456.9	17263.2	17615.4	15360.6	15318.5	14733.7	15896.6	16027.3
62.5°	15216.6	15526.7	16682.9	18282.1	19152.5	17351.8	17331.8	16782.5	17774.8	17668.5
65°	12317.2	12842.2	14875.5	18970.9	20660.9	19575.6	19604.4	19019.6	19704.0	19358.5
67.5°	8616.1	9169.8	11575.2	19026.3	22346.5	22187.0	22353.1	21436.1	21752.9	20977.6
70°	5958.2	6243.9	7809.9	17834.6	23659.9	25784.0	25779.6	24404.1	23790.6	21715.2
72.5°	4006.8	4155.2	5072.2	14149.0	22694.2	27921.4	27793.0	26672.2	24477.2	20308.7
75°	1690.0	1798.5	2347.8	7951.6	17954.2	25544.8	25197.1	23571.3	21748.4	15991.8
77.5°	536.0	582.5	925.8	2846.2	9889.7	19201.2	18833.6	14720.4	14576.5	8022.5
80°	254.7	296.8	520.5	1142.9	3891.6	10443.4	10392.5	6678.0	6270.5	2166.2
82.5°	110.7	130.7	287.9	611.3	1740.9	3725.5	3800.8	2272.5	1880.5	821.7
85°	35.4	46.5	132.9	281.3	735.4	925.8	914.8	540.4	757.5	447.4
87.5°	0.0	0.0	44.3	64.2	75.3	53.2	59.8	46.5	210.4	124.0
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°
3555.0	0°	3555.0	3555.0	3555.0	3555.0	3555.0	3555.0	3555.0	3555.0	3555.0	3555.0
3599.3	2.5°	3572.7	3537.2	3475.2	3417.6	3366.7	3315.8	3284.7	3240.4	3236.0	3236.0
3656.9	5°	3597.1	3539.5	3428.7	3311.3	3176.2	3047.7	2919.3	2795.2	2755.4	2726.6
3749.9	7.5°	3667.9	3577.1	3402.1	3178.4	2921.5	2640.2	2443.1	2230.4	2148.5	2104.2
3873.9	10°	3769.8	3645.8	3380.0	2987.9	2571.5	2188.4	1907.1	1676.7	1588.1	1550.5
4009.0	12.5°	3882.8	3729.9	3340.1	2750.9	2188.4	1729.9	1455.2	1348.9	1335.6	1335.6
4170.7	15°	4017.9	3831.8	3271.5	2471.9	1787.5	1368.8	1271.4	1275.8	1289.1	1298.0
4328.0	17.5°	4157.4	3940.4	3162.9	2159.6	1433.1	1231.5	1233.7	1240.4	1251.4	1260.3
4498.5	20°	4308.0	4048.9	3019.0	1827.3	1229.3	1191.6	1198.3	1204.9	1213.8	1218.2
4658.0	22.5°	4469.7	4150.8	2848.4	1501.7	1160.6	1158.4	1160.6	1167.3	1178.3	1178.3
4844.1	25°	4642.5	4263.7	2653.5	1264.7	1125.2	1125.2	1129.6	1134.0	1142.9	1142.9
5023.5	27.5°	4819.7	4367.8	2447.5	1140.7	1094.2	1092.0	1092.0	1098.6	1103.0	1105.3
5200.7	30°	5014.6	4489.7	2241.5	1114.1	1069.8	1058.7	1052.1	1056.5	1061.0	1063.2
5386.7	32.5°	5214.0	4607.1	2057.7	1125.2	1045.4	1025.5	1003.4	998.9	998.9	1007.8
5579.4	35°	5435.4	4735.5	1915.9	1162.8	1032.2	976.8	941.3	921.4	923.6	936.9
5809.8	37.5°	5701.2	4890.6	1811.8	1196.1	1023.3	921.4	863.8	839.5	824.0	839.5
6126.5	40°	6049.0	5118.7	1736.5	1222.6	1012.2	857.2	779.7	739.8	711.0	719.9
6618.2	42.5°	6560.6	5477.5	1707.7	1224.9	987.9	781.9	693.3	640.1	598.0	600.2
7358.0	45°	7278.3	6044.6	1856.1	1196.1	934.7	699.9	602.5	531.6	505.0	498.4
8463.3	47.5°	8261.7	6870.7	2199.4	1136.3	857.2	620.2	513.9	454.1	434.1	423.1
9914.0	50°	9579.6	7931.7	2580.4	1069.8	779.7	544.9	440.8	403.1	389.8	378.8
11635.0	52.5°	11107.9	9008.1	2892.7	1003.4	702.1	478.4	394.3	372.1	361.0	352.2
13296.2	55°	12509.9	9750.1	2875.0	932.5	626.8	425.3	361.0	347.7	334.5	325.6
14727.1	57.5°	13382.6	9854.2	2370.0	855.0	540.4	383.2	330.0	321.2	305.7	294.6
15965.2	60°	13783.5	9260.6	1661.2	753.1	454.1	343.3	296.8	292.4	272.4	256.9
17136.9	62.5°	13856.6	8157.6	1107.5	626.8	378.8	305.7	263.6	256.9	230.4	203.8
18089.4	65°	13559.8	6580.6	766.4	489.5	323.4	265.8	225.9	212.6	183.8	157.3
18315.3	67.5°	12620.7	4620.3	533.8	352.2	274.7	210.4	179.4	175.0	152.8	130.7
17163.5	70°	10899.7	2633.6	356.6	263.6	217.1	144.0	141.8	146.2	124.0	106.3
14022.7	72.5°	8356.9	1204.9	221.5	192.7	148.4	97.5	113.0	115.2	95.2	79.7
8749.0	75°	4919.4	516.1	139.5	124.0	75.3	64.2	82.0	84.2	64.2	50.9
3198.4	77.5°	1674.5	194.9	88.6	73.1	37.7	35.4	53.2	53.2	35.4	19.9
642.3	80°	381.0	73.1	44.3	28.8	17.7	15.5	17.7	15.5	8.9	2.2
197.1	82.5°	108.5	28.8	17.7	11.1	6.6	6.6	2.2	0.0	0.0	0.0
68.7	85°	31.0	13.3	4.4	4.4	0.0	0.0	0.0	0.0	0.0	0.0
24.4	87.5°	13.3	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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>
3555.0
3247.1
2739.9
2110.8
1550.5
1335.6
1298.0
1260.3
1220.4
1182.8
1145.1
1107.5
1067.6
1014.4
943.6
835.0
715.4
591.4
489.5
416.4
376.5
350.0
321.2
292.4
252.5
190.5
148.4
124.0
97.5
70.9
44.3
15.5
0.0
0.0
0.0
0.0
0.0

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