

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: P953308

Luminaire Tested: **GALN-SB6D-927-U-T2U-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953308
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-17)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB6D-927-U-T2U-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28706 lumens
Efficiency: N/A
Efficacy: 65.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G4

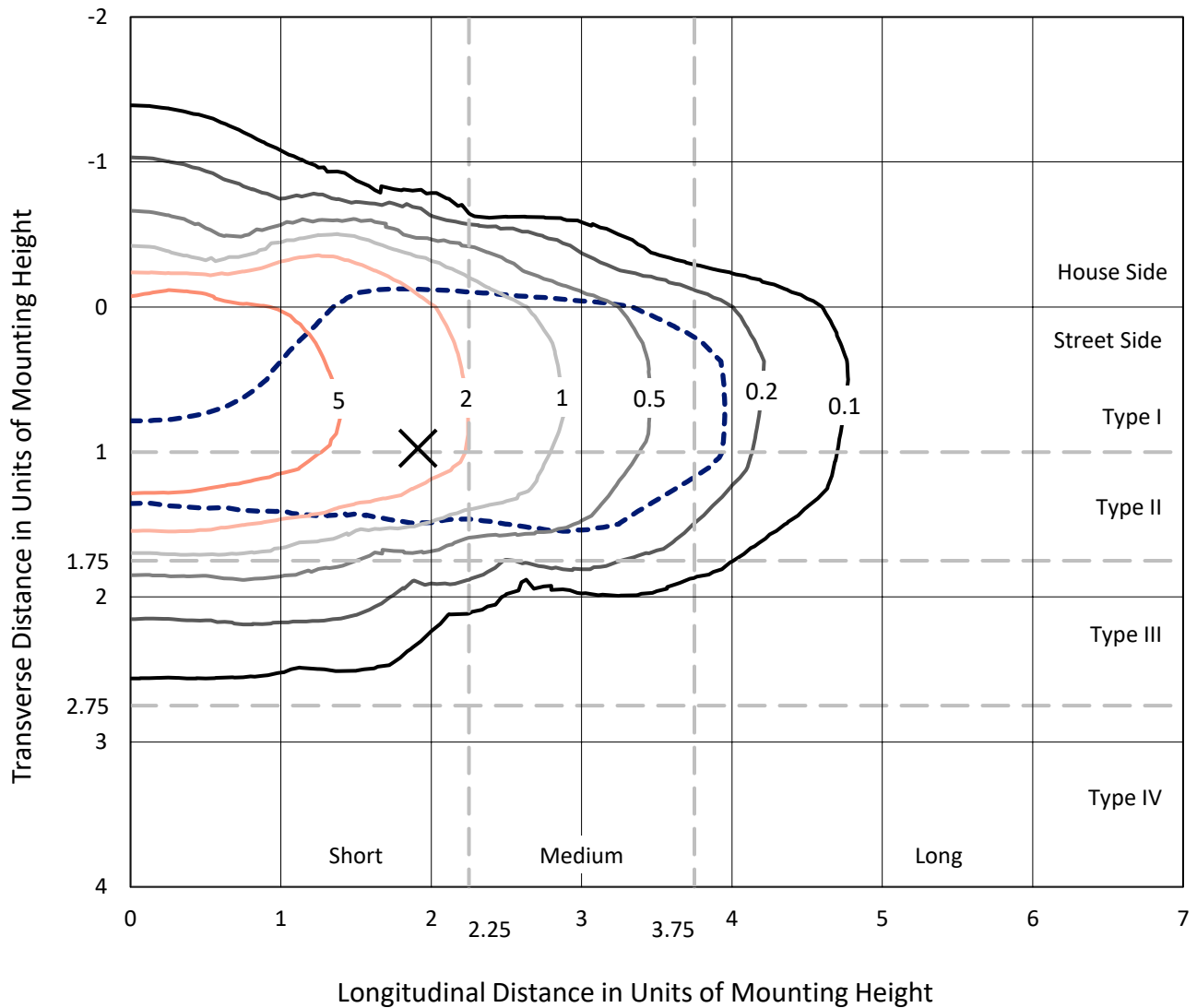
Input Watts (W): 440.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

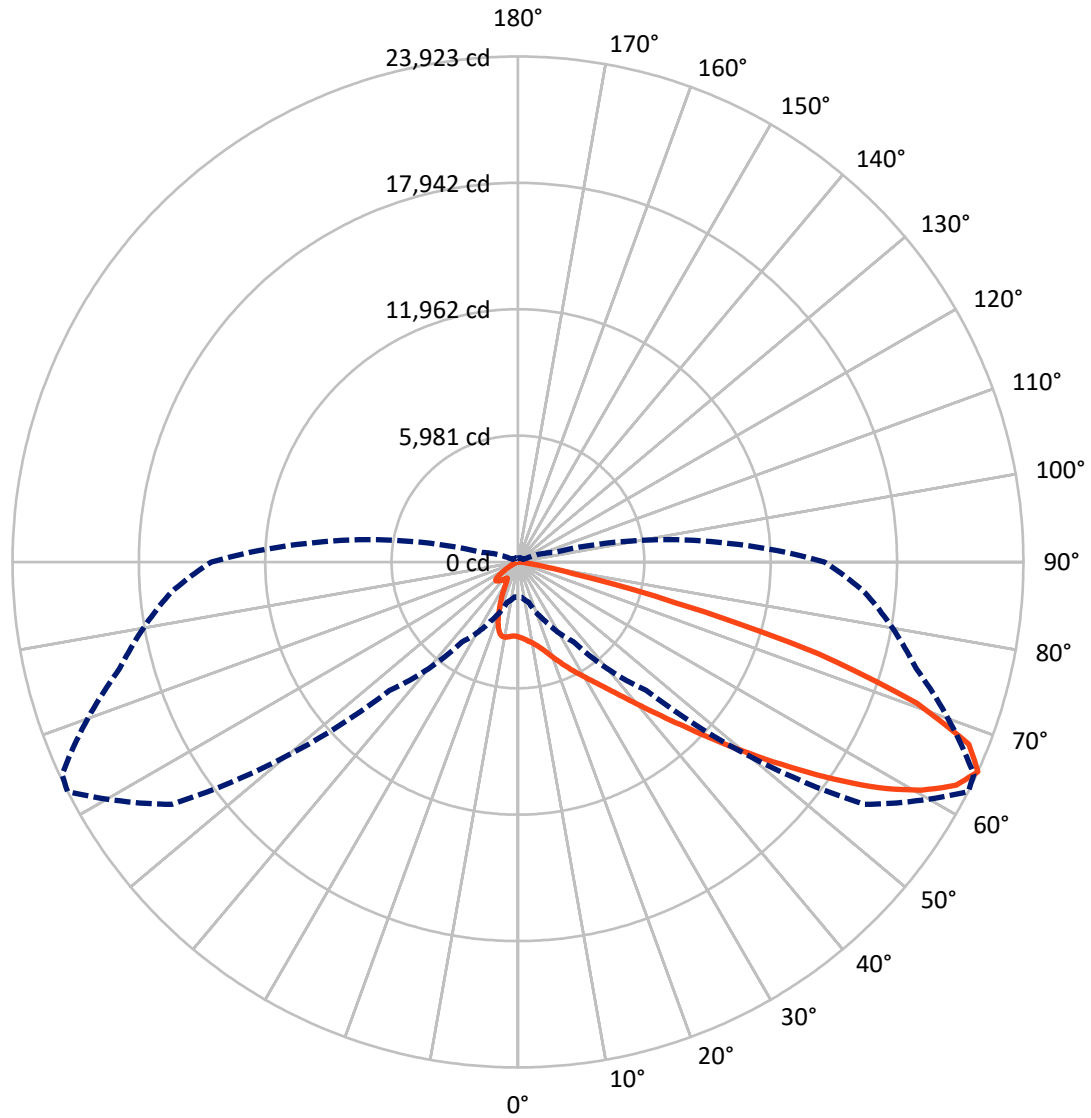
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.7 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 63-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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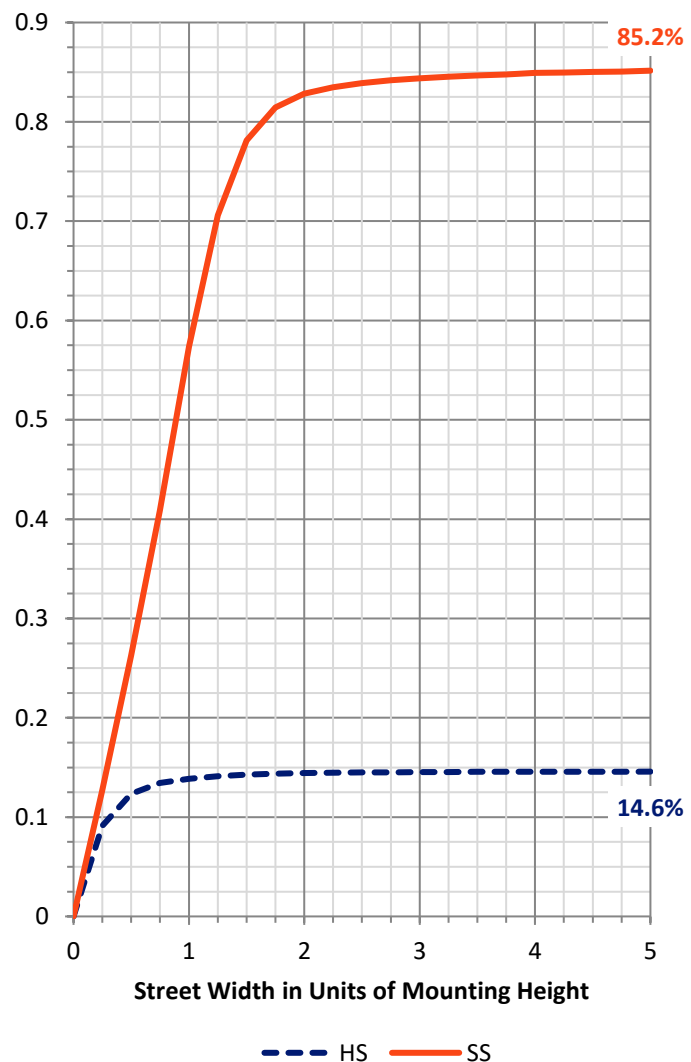
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4219.6	0.0	4219.6
	% Fixture	14.7	0.0	14.7
Street Side	Lumens	24486.4	0.0	24486.4
	% Fixture	85.3	0.0	85.3
Total	Lumens	28706.0	0.0	28706.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	333.8	1.2
10°-20°	926.2	3.2
20°-30°	1612.7	5.6
30°-40°	2906.8	10.1
40°-50°	5765.0	20.1
50°-60°	7852.9	27.4
60°-70°	6268.2	21.8
70°-80°	2836.5	9.9
80°-90°	203.9	0.7
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°	28706.0	100.0
0°-180°	28706.0	100.0

Coefficient of Utilization



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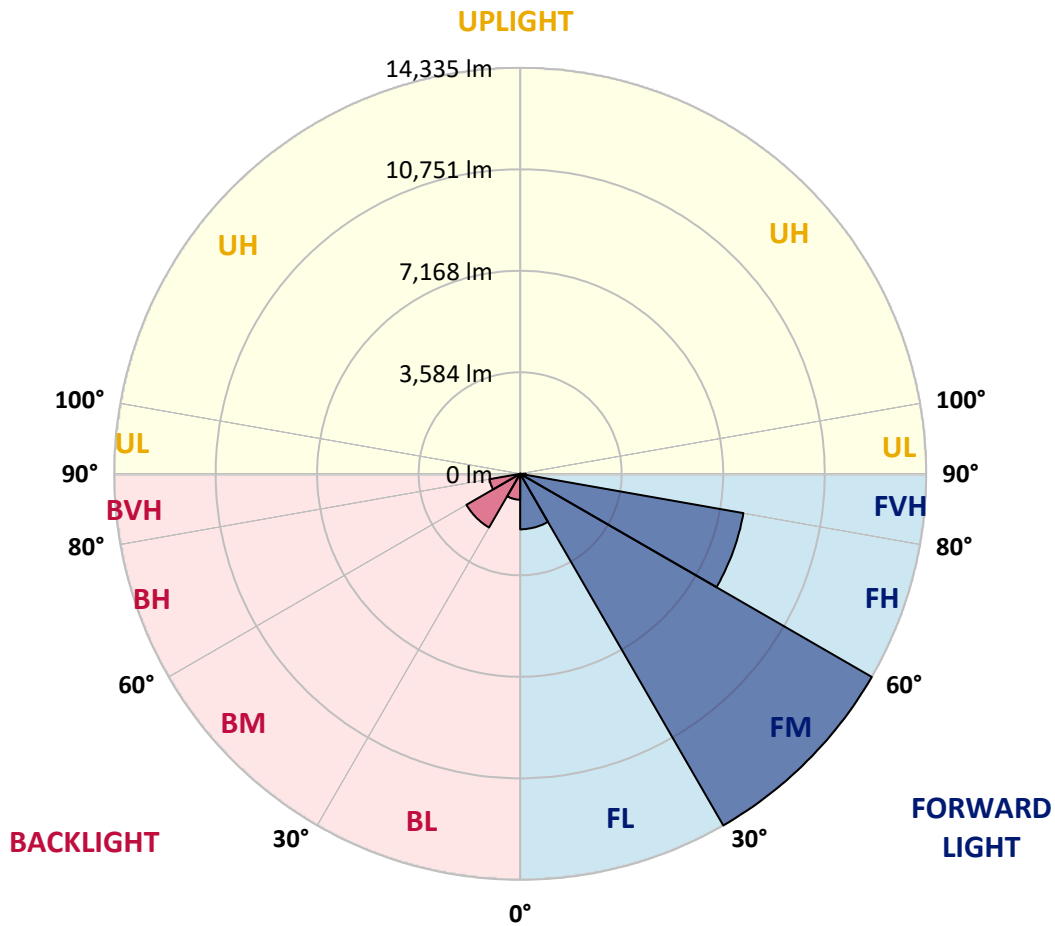
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1959.5	6.8			
FM (30°-60°)	14335.1	49.9			
FH (60°-80°)	8003.1	27.9			G4/12000
FVH (80°-90°)	188.8	0.7			G2/225
BL (0°-30°)	913.2	3.2	B2/1000		
BM (30°-60°)	2189.7	7.6	B2/2500		
BH (60°-80°)	1101.6	3.8	B3/2500		G3/2500
BVH (80°-90°)	15.1	0.1			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 II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°
0°	3542.9	3542.9	3542.9	3542.9	3542.9	3542.9	3542.9	3542.9	3542.9	3542.9
2.5°	3625.8	3615.9	3629.8	3623.8	3619.9	3612.0	3608.0	3604.1	3596.2	3590.3
5°	3635.7	3629.8	3643.6	3655.4	3667.3	3679.1	3685.1	3693.0	3685.1	3669.3
7.5°	3552.7	3548.8	3578.4	3614.0	3667.3	3712.7	3762.1	3789.7	3791.7	3785.8
10°	3546.8	3536.9	3566.6	3610.0	3679.1	3760.1	3847.0	3906.2	3914.1	3939.8
12.5°	3639.6	3629.8	3671.2	3718.6	3789.7	3874.6	3981.3	4064.2	4076.1	4111.6
15°	3795.6	3781.8	3829.2	3890.4	3981.3	4078.0	4190.6	4265.7	4275.5	4319.0
17.5°	3977.3	3963.5	4018.8	4084.0	4182.7	4315.0	4445.4	4528.3	4540.2	4567.8
20°	4210.4	4192.6	4236.0	4295.3	4399.9	4557.9	4713.9	4832.4	4830.5	4830.5
22.5°	4480.9	4453.3	4490.8	4538.2	4636.9	4828.5	5035.8	5176.1	5176.1	5120.8
25°	4771.2	4743.6	4785.0	4828.5	4915.4	5132.6	5375.5	5549.3	5557.2	5462.4
27.5°	5134.6	5099.0	5130.6	5182.0	5233.3	5454.5	5742.8	5944.3	5948.2	5802.1
30°	5833.7	5733.0	5634.2	5578.9	5602.6	5821.8	6129.9	6353.1	6372.8	6171.4
32.5°	7113.4	7093.6	6746.1	6291.8	6054.9	6216.8	6562.4	6831.0	6842.8	6584.1
35°	9102.0	9078.3	8519.5	7654.5	6882.3	6746.1	7087.7	7405.6	7397.8	7105.5
37.5°	11475.8	11454.1	10717.5	9560.2	8310.1	7545.9	7765.1	8098.8	8148.2	7765.1
40°	13504.0	13423.0	12956.9	11841.1	10206.0	8873.0	8728.8	8950.0	9001.3	8547.1
42.5°	15040.4	14971.3	14734.3	14037.2	12500.7	10835.9	9864.3	9949.2	10006.5	9461.5
45°	15836.2	15820.4	15915.2	15850.1	14838.9	13245.3	11487.6	11134.1	11155.9	10474.6
47.5°	15948.8	15940.9	16373.4	16985.6	16849.3	15962.6	13571.1	12611.3	12534.3	11618.0
50°	15285.3	15269.5	16098.9	17246.3	18192.2	18245.5	15937.0	14276.1	14106.3	12800.9
52.5°	13166.3	13162.3	14524.9	16434.6	18664.2	20244.1	18275.2	16104.8	15820.4	14053.0
55°	10130.9	10204.0	11766.1	14023.3	17803.2	21205.8	20374.4	18135.0	17698.5	15312.9
57.5°	7176.6	7283.2	8827.5	10837.9	15133.2	20637.1	21794.3	20169.0	19699.0	16568.9
60°	3854.9	3949.7	5496.0	7895.4	11258.6	18516.1	22542.8	21934.5	21490.2	17761.7
62.5°	2296.7	2328.3	2968.2	5097.1	7615.0	14145.8	22224.8	23279.4	22914.1	18763.0
65°	1649.0	1654.9	1976.8	3112.3	4623.1	8594.5	19995.3	23923.2	23810.6	19517.3
67.5°	1388.3	1384.4	1518.7	2067.7	3149.9	4305.2	15324.8	23012.8	23490.7	19995.3
70°	1190.8	1196.8	1354.7	1514.7	2367.8	2437.0	7618.9	20036.7	21055.7	20121.6
72.5°	886.7	906.5	1052.6	1380.4	1787.2	1676.6	2630.5	14856.7	16699.2	18958.5
75°	626.0	635.9	740.6	1161.2	1333.0	1220.5	1342.9	7680.2	10042.1	14534.8
77.5°	481.9	499.6	560.9	811.7	1313.3	857.1	821.5	2658.1	4084.0	8780.1
80°	260.7	292.3	404.8	586.5	922.3	606.3	406.8	1058.5	1384.4	4105.7
82.5°	134.3	150.1	282.4	422.6	525.3	529.3	201.4	440.4	570.7	1267.8
85°	53.3	65.2	189.6	233.0	270.6	260.7	90.8	177.7	205.4	351.5
87.5°	11.8	19.7	69.1	53.3	51.3	55.3	21.7	41.5	39.5	41.5
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°
3542.9	0°	3542.9	3542.9	3542.9	3542.9	3542.9	3542.9	3542.9	3542.9	3542.9	3542.9
3566.6	2.5°	3564.6	3556.7	3535.0	3511.3	3483.6	3467.8	3457.9	3456.0	3442.1	3432.3
3645.6	5°	3623.8	3615.9	3574.5	3525.1	3471.8	3430.3	3390.8	3355.3	3303.9	3294.0
3760.1	7.5°	3742.3	3720.6	3653.5	3586.3	3485.6	3365.1	3219.0	3051.1	2901.0	2855.6
3912.2	10°	3888.5	3858.8	3773.9	3655.4	3432.3	3104.4	2751.0	2423.1	2162.4	2089.4
4091.9	12.5°	4054.3	4028.7	3916.1	3696.9	3209.1	2614.7	2073.6	1666.8	1414.0	1350.8
4283.4	15°	4251.8	4214.3	4058.3	3633.7	2810.2	1986.7	1423.9	1182.9	1092.1	1080.2
4502.6	17.5°	4461.2	4399.9	4184.7	3406.6	2273.0	1412.0	1100.0	1030.9	991.4	979.5
4723.8	20°	4652.7	4573.7	4259.7	3063.0	1698.4	1100.0	985.4	940.0	904.5	890.7
4945.0	22.5°	4844.3	4731.7	4259.7	2594.9	1273.8	975.6	904.5	863.0	821.5	803.8
5182.0	25°	5043.7	4893.7	4184.7	2073.6	1024.9	894.6	827.5	782.0	746.5	724.8
5407.1	27.5°	5237.3	5029.9	4012.9	1579.9	912.4	823.5	756.4	712.9	679.3	663.5
5652.0	30°	5420.9	5164.2	3771.9	1198.7	839.3	754.4	691.2	653.7	620.1	604.3
5969.9	32.5°	5669.8	5334.0	3515.2	983.5	776.1	689.2	631.9	596.4	566.8	554.9
6382.7	35°	6015.4	5584.8	3294.0	965.7	722.8	635.9	578.6	545.1	515.4	505.6
6915.9	37.5°	6505.1	5989.7	3177.5	1084.2	679.3	588.5	535.2	499.6	472.0	464.1
7593.3	40°	7109.4	6538.7	3240.7	1202.7	649.7	547.0	495.7	460.1	436.4	426.6
8371.3	42.5°	7826.3	7216.1	3590.3	1293.5	630.0	511.5	458.2	418.7	402.9	398.9
9254.1	45°	8649.8	7960.6	4125.4	1390.3	598.4	477.9	420.6	391.0	379.2	377.2
10213.9	47.5°	9585.9	8778.2	4745.5	1510.8	566.8	446.3	391.0	371.3	361.4	357.4
11215.1	50°	10514.0	9601.7	5383.4	1577.9	541.1	416.7	367.3	351.5	343.6	341.6
12273.6	52.5°	11485.7	10448.9	5898.8	1514.7	519.4	393.0	347.6	335.7	327.8	325.8
13249.2	55°	12411.9	11134.1	5987.7	1285.6	475.9	369.3	325.8	319.9	310.0	310.0
14238.6	57.5°	13209.7	11477.8	5359.7	944.0	432.5	333.7	304.1	298.2	290.3	288.3
15131.2	60°	13942.4	11379.0	4137.3	635.9	385.1	298.2	276.5	272.5	264.6	254.8
15907.3	62.5°	14355.1	10944.6	2829.9	414.7	337.7	260.7	244.9	242.9	225.1	205.4
16482.0	65°	14511.1	10051.9	1765.5	302.2	282.4	223.2	211.3	207.4	181.7	160.0
16807.9	67.5°	14374.9	8582.7	890.7	239.0	223.2	185.6	173.8	173.8	156.0	136.3
16788.1	70°	13829.8	6434.0	375.2	191.6	171.8	142.2	142.2	150.1	132.3	110.6
15917.2	72.5°	12646.9	4328.8	199.5	146.1	128.4	100.7	116.5	122.4	104.7	82.9
13028.0	75°	10053.9	2640.4	138.2	108.6	81.0	71.1	88.9	92.8	71.1	55.3
8932.2	77.5°	6876.4	1516.7	92.8	69.1	51.3	41.5	61.2	57.3	37.5	25.7
3444.1	80°	3019.5	631.9	53.3	31.6	19.7	15.8	21.7	15.8	11.8	7.9
472.0	82.5°	353.5	148.1	19.7	11.8	7.9	3.9	2.0	0.0	0.0	0.0
144.2	85°	73.1	17.8	9.9	3.9	2.0	0.0	0.0	0.0	0.0	0.0
25.7	87.5°	13.8	3.9	2.0	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>
3542.9
3442.1
3290.1
2833.9
2061.7
1333.0
1068.4
973.6
882.8
793.9
716.9
663.5
606.3
554.9
505.6
462.1
424.6
398.9
375.2
357.4
341.6
325.8
308.1
286.4
252.8
201.4
158.0
134.3
108.6
82.9
53.3
27.6
7.9
0.0
0.0
0.0
0.0

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