

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: P956564

Luminaire Tested: **GALN-SB9A-935-U-T2U**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P956564
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-16)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB9A-935-U-T2U
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 90 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28804 lumens
Efficiency: N/A
Efficacy: 112.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B4 - U0 - G4

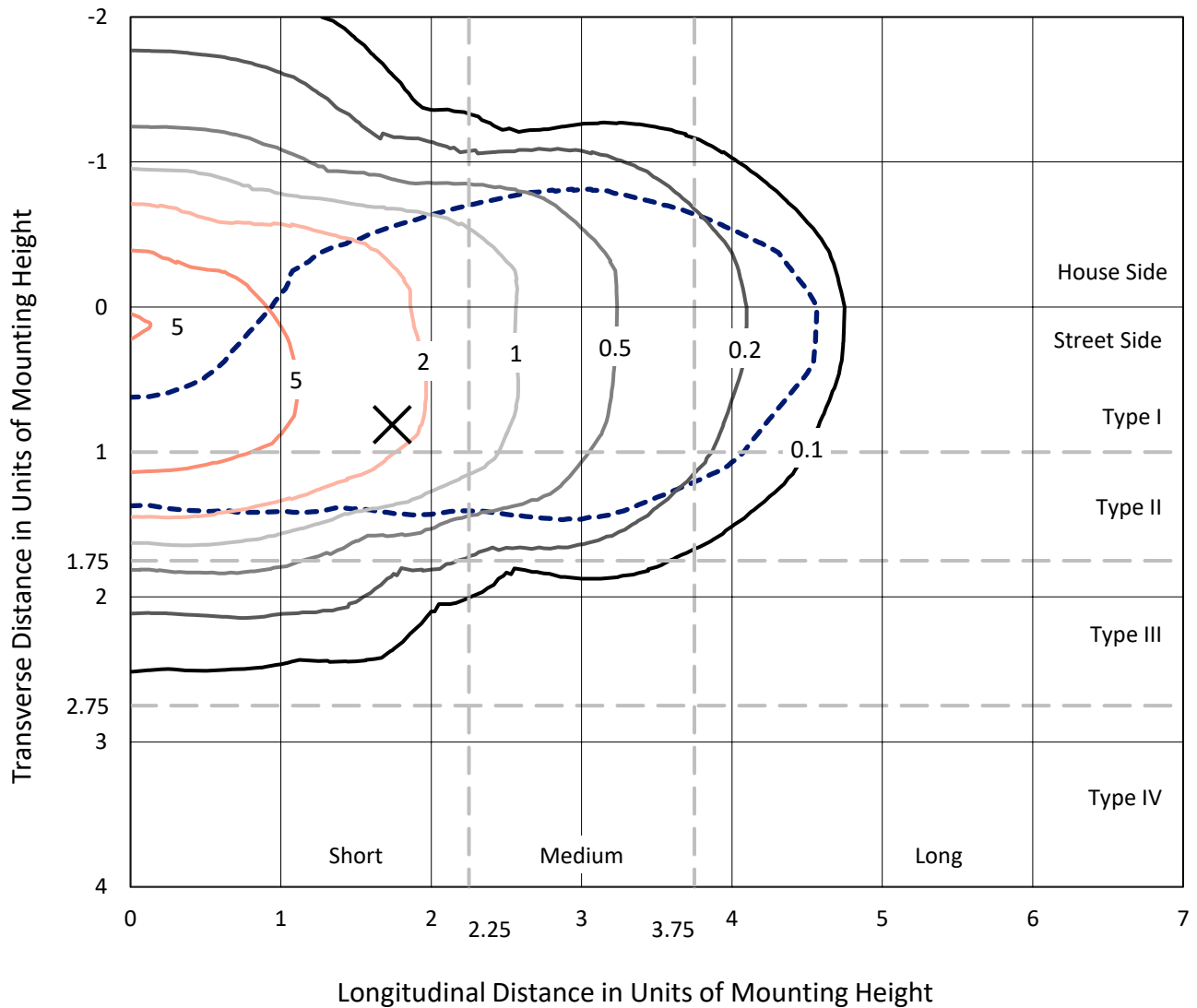
Input Watts (W): 255.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

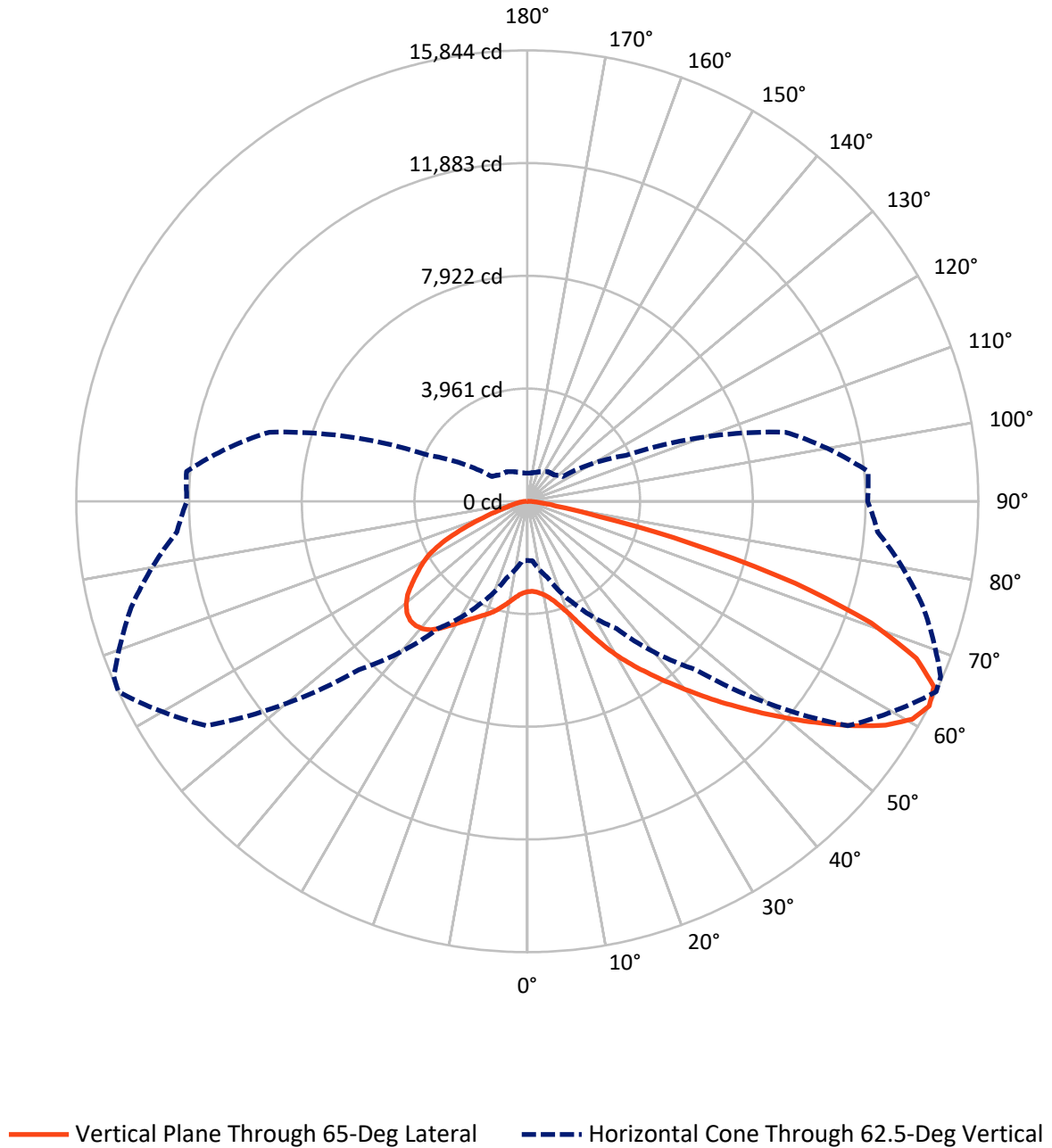
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.1 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9089.3	0.0	9089.3
	% Fixture	31.6	0.0	31.6
Street Side	Lumens	19714.7	0.0	19714.7
	% Fixture	68.4	0.0	68.4
Total	Lumens	28804.0	0.0	28804.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	316.5	1.1
10°-20°	1073.1	3.7
20°-30°	2175.9	7.6
30°-40°	3765.3	13.1
40°-50°	5698.0	19.8
50°-60°	6680.6	23.2
60°-70°	5600.9	19.4
70°-80°	3092.1	10.7
80°-90°	401.7	1.4
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°	28804.0	100.0
0°-180°	28804.0	100.0



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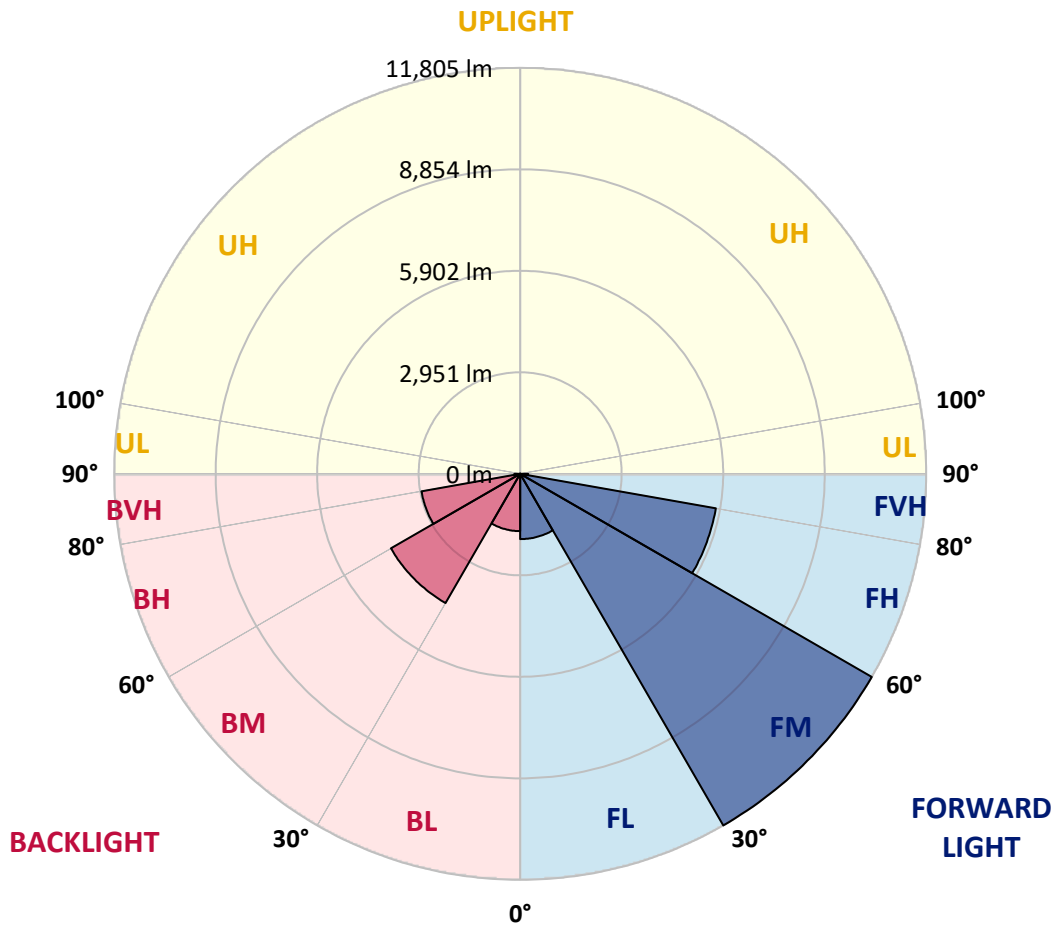
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1898.6	6.6			
FM (30°-60°)	11804.8	41.0			
FH (60°-80°)	5777.2	20.1			G3/7500
FVH (80°-90°)	234.1	0.8			G3/500
BL (0°-30°)	1666.9	5.8	B3/2500		
BM (30°-60°)	4339.1	15.1	B3/5000		
BH (60°-80°)	2915.8	10.1	B4/5000		G4/5000
BVH (80°-90°)	167.6	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°
0°	3174.1	3174.1	3174.1	3174.1	3174.1	3174.1	3174.1	3174.1	3174.1	3174.1
2.5°	3153.2	3144.2	3151.7	3151.7	3154.6	3153.2	3163.6	3166.6	3171.1	3180.1
5°	3121.8	3120.3	3133.7	3145.7	3157.6	3168.1	3181.5	3201.0	3204.0	3214.4
7.5°	3111.3	3102.3	3123.3	3138.2	3166.6	3192.0	3227.9	3260.8	3274.2	3278.7
10°	3192.0	3177.1	3196.5	3205.5	3229.4	3254.8	3296.6	3348.9	3363.9	3381.8
12.5°	3329.5	3313.1	3341.4	3354.9	3377.3	3399.7	3428.1	3478.9	3486.4	3519.3
15°	3517.8	3498.4	3516.3	3532.7	3570.1	3591.0	3619.4	3668.7	3668.7	3694.1
17.5°	3773.3	3747.9	3761.4	3767.3	3791.3	3822.6	3870.5	3913.8	3936.2	3927.2
20°	4154.4	4123.0	4123.0	4093.1	4084.2	4109.6	4172.3	4232.1	4256.0	4209.7
22.5°	4726.7	4681.9	4656.5	4554.9	4514.5	4517.5	4580.3	4653.5	4672.9	4590.8
25°	5454.5	5384.3	5349.9	5200.5	5109.3	5030.1	5079.4	5173.6	5200.5	5098.8
27.5°	6182.3	6186.8	6153.9	5974.6	5823.6	5678.7	5653.3	5751.9	5780.3	5665.2
30°	7202.9	7096.8	7034.1	6818.9	6603.7	6400.5	6295.8	6336.2	6343.7	6206.2
32.5°	8083.1	8056.2	7921.7	7733.4	7457.0	7138.7	6963.8	6899.6	6887.6	6691.9
35°	9085.9	9070.9	8929.0	8704.8	8405.9	7963.6	7648.3	7464.5	7449.5	7174.5
37.5°	10105.0	10105.0	9966.1	9721.0	9411.6	8858.7	8379.0	8087.6	8039.8	7681.1
40°	10918.0	10868.7	10894.1	10791.0	10436.8	9849.5	9190.5	8767.6	8703.3	8272.9
42.5°	11379.7	11363.3	11515.7	11630.8	11485.9	11016.6	10084.1	9504.3	9414.6	8924.5
45°	11482.9	11464.9	11736.9	12158.3	12361.6	12168.8	11055.5	10279.9	10170.8	9605.9
47.5°	11245.3	11209.4	11608.4	12273.4	12924.9	13264.2	12107.5	11121.2	10962.8	10269.4
50°	10530.9	10496.6	11100.3	11983.5	13114.7	14008.4	13249.2	12013.4	11771.3	10980.7
52.5°	8978.3	8994.7	9940.7	11154.1	12865.2	14471.6	14232.5	12953.3	12661.9	11708.5
55°	6993.7	7029.6	8192.2	9528.2	11866.9	14401.4	14903.5	13921.7	13631.8	12392.9
57.5°	5007.7	5166.1	6255.5	7578.0	9949.6	13288.1	15050.0	14842.2	14561.3	13140.1
60°	3245.8	3274.2	4395.0	5728.0	7576.5	11309.5	14752.6	15540.1	15320.4	13902.3
62.5°	2080.2	2099.6	2782.5	4006.4	5453.0	8367.1	13751.3	15843.5	15776.2	14405.9
65°	1528.8	1513.8	1869.5	2648.1	3673.2	5160.1	11807.1	15697.0	15830.0	14721.2
67.5°	1276.2	1255.3	1430.1	1833.6	2706.3	2930.5	8736.2	14745.1	15232.3	14685.3
70°	1162.6	1144.7	1250.8	1361.4	2111.6	1962.1	4404.0	12818.8	13569.0	14277.4
72.5°	984.8	953.4	1098.4	1209.0	1642.3	1504.8	1820.2	9846.5	10761.1	12969.8
75°	763.6	742.7	866.7	1064.0	1234.4	1174.6	1150.7	5979.0	6977.3	10030.3
77.5°	605.2	576.8	690.4	829.4	1110.3	886.2	838.4	2574.8	3564.1	6403.4
80°	455.8	430.4	524.5	656.0	853.3	668.0	542.5	1050.6	1343.5	3244.3
82.5°	324.3	301.9	366.1	481.2	573.8	599.2	333.2	588.8	662.0	1250.8
85°	207.7	194.3	245.1	301.9	364.6	385.6	203.2	307.8	337.7	515.6
87.5°	113.6	92.7	131.5	140.5	168.9	153.9	97.1	112.1	121.0	186.8
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°
3174.1	0°	3174.1	3174.1	3174.1	3174.1	3174.1	3174.1	3174.1	3174.1	3174.1	3174.1
3180.1	2.5°	3186.0	3190.5	3205.5	3209.9	3220.4	3233.9	3242.8	3251.8	3251.8	3260.8
3227.9	5°	3229.4	3239.8	3271.2	3287.6	3314.5	3341.4	3357.9	3377.3	3389.3	3395.2
3304.1	7.5°	3313.1	3329.5	3374.3	3402.7	3449.0	3486.4	3511.8	3538.7	3544.7	3561.1
3410.2	10°	3426.6	3446.1	3496.9	3550.7	3606.0	3652.3	3676.2	3695.6	3703.1	3706.1
3546.2	12.5°	3556.6	3585.0	3650.8	3716.5	3774.8	3815.2	3821.1	3816.7	3795.7	3777.8
3713.5	15°	3716.5	3741.9	3815.2	3886.9	3943.7	3951.2	3913.8	3889.9	3864.5	3860.0
3900.3	17.5°	3907.8	3921.3	3988.5	4058.8	4063.2	4037.8	3982.5	3960.1	3936.2	3919.8
4143.9	20°	4130.5	4126.0	4173.8	4203.7	4172.3	4094.6	4010.9	3973.6	3949.7	3930.2
4442.8	22.5°	4396.5	4362.1	4356.1	4348.7	4265.0	4102.1	3988.5	3940.7	3903.3	3876.4
4859.7	25°	4783.5	4652.0	4560.9	4510.1	4321.8	4061.7	3916.8	3810.7	3740.4	3694.1
5369.3	27.5°	5267.7	5046.5	4816.4	4692.4	4321.8	3979.5	3743.4	3571.6	3456.5	3408.7
5862.5	30°	5729.5	5497.8	5158.6	4912.0	4311.3	3845.1	3464.0	3224.9	3090.4	3042.6
6283.9	32.5°	6124.0	5871.4	5521.8	5152.6	4285.9	3626.9	3117.3	2852.8	2722.8	2666.0
6700.8	35°	6490.1	6221.1	5886.4	5417.1	4218.7	3307.1	2736.2	2534.5	2389.5	2298.4
7125.2	37.5°	6865.2	6545.4	6231.6	5656.3	4097.6	2933.5	2443.3	2271.5	2101.1	1978.6
7576.5	40°	7273.2	6890.6	6600.7	5798.2	3898.9	2577.8	2216.2	2059.3	1878.4	1748.4
8096.6	42.5°	7749.9	7304.6	7011.7	5871.4	3626.9	2325.3	2068.2	1914.3	1743.9	1637.8
8654.0	45°	8247.5	7760.3	7386.8	5869.9	3323.5	2207.2	2020.4	1868.0	1679.7	1569.1
9226.3	47.5°	8769.1	8237.1	7711.0	5774.3	3060.5	2223.6	1993.5	1767.9	1560.1	1452.5
9804.7	50°	9292.1	8758.6	8024.9	5595.0	2948.4	2187.8	1893.4	1627.4	1382.3	1285.2
10347.1	52.5°	9810.6	9313.0	8295.3	5339.4	2834.9	2054.8	1764.9	1445.1	1309.1	1241.8
10907.5	55°	10332.2	9861.5	8589.7	4967.3	2550.9	1899.4	1549.7	1376.3	1250.8	1189.5
11456.0	57.5°	10855.2	10495.1	8869.2	4595.2	2193.8	1708.1	1431.6	1292.6	1192.5	1140.2
11914.7	60°	11399.2	11219.9	9157.6	4253.0	1841.1	1463.0	1344.9	1225.4	1123.8	1065.5
12355.6	62.5°	11959.6	12017.9	9383.2	3812.2	1516.8	1313.6	1267.2	1144.7	1046.1	990.8
12720.2	65°	12524.4	12787.5	9531.2	3201.0	1229.9	1171.6	1183.6	1056.5	956.4	908.6
12987.7	67.5°	12950.3	13341.9	9489.4	2422.4	1008.7	1037.1	1078.9	963.9	869.7	832.4
12944.4	70°	12998.2	13276.1	9076.9	1658.8	844.3	905.6	962.4	872.7	775.6	748.7
12334.7	72.5°	12361.6	12379.5	7927.7	1083.4	714.3	795.0	839.8	780.1	685.9	659.0
10791.0	75°	10692.3	10238.0	5820.6	714.3	597.8	682.9	724.8	682.9	591.8	597.8
8074.2	77.5°	8101.1	7250.8	3534.2	508.1	499.1	573.8	630.6	600.7	523.0	587.3
4060.2	80°	4173.8	3922.8	1576.6	379.6	394.5	458.8	518.6	479.7	413.9	394.5
907.1	82.5°	956.4	1111.8	621.7	272.0	285.4	330.3	396.0	360.1	297.4	251.1
378.1	85°	334.7	366.1	275.0	170.4	167.4	206.2	269.0	240.6	201.7	161.4
159.9	87.5°	106.1	139.0	103.1	68.7	71.7	92.7	124.0	113.6	94.1	61.3
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>
3174.1
3260.8
3398.2
3555.1
3698.6
3777.8
3860.0
3921.3
3931.7
3885.4
3712.1
3432.6
3071.0
2694.4
2328.3
2011.4
1773.8
1658.8
1587.0
1467.5
1291.1
1241.8
1183.6
1131.3
1061.0
989.3
907.1
833.9
750.2
657.5
576.8
517.1
360.1
248.1
170.4
64.3
0.0

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