

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: P942577

Luminaire Tested: **GALN-SB6C-927-U-T3**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942577
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-SB6C-927-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27662 lumens
Efficiency: N/A
Efficacy: 91.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

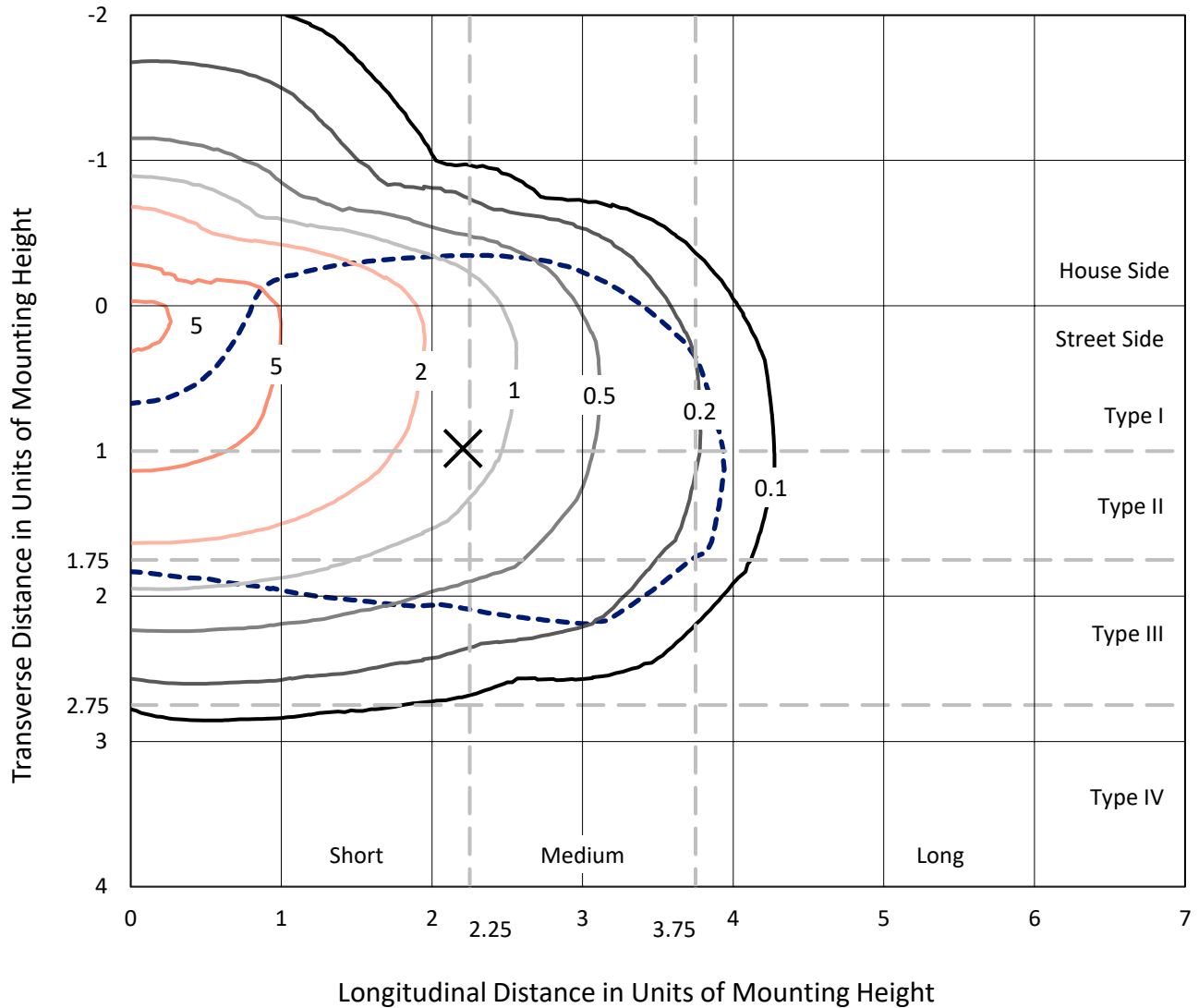
Input Watts (W): 300.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

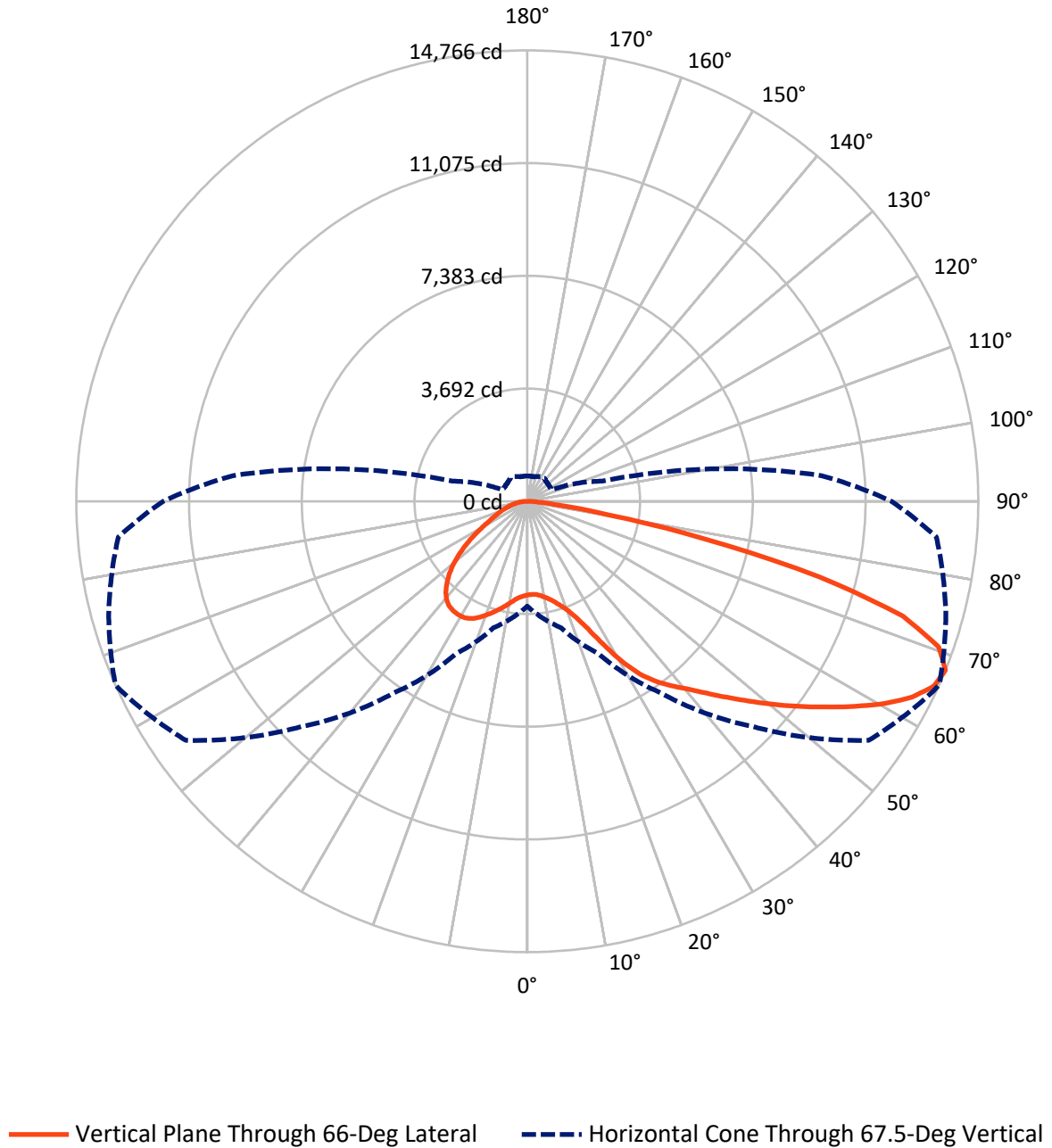
✕ Max cd
 - - - 1/2 Max cd



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	6878.1	0.0	6878.1
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	20783.9	0.0	20783.9
	% Fixture	75.1	0.0	75.1
Total	Lumens	27662.0	0.0	27662.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	304.2	1.1
10°-20°	1005.0	3.6
20°-30°	1937.1	7.0
30°-40°	3396.4	12.3
40°-50°	5049.3	18.3
50°-60°	6400.5	23.1
60°-70°	6262.8	22.6
70°-80°	2987.4	10.8
80°-90°	319.3	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°	27662.0	100.0
0°-180°	27662.0	100.0

Coefficient of Utilization



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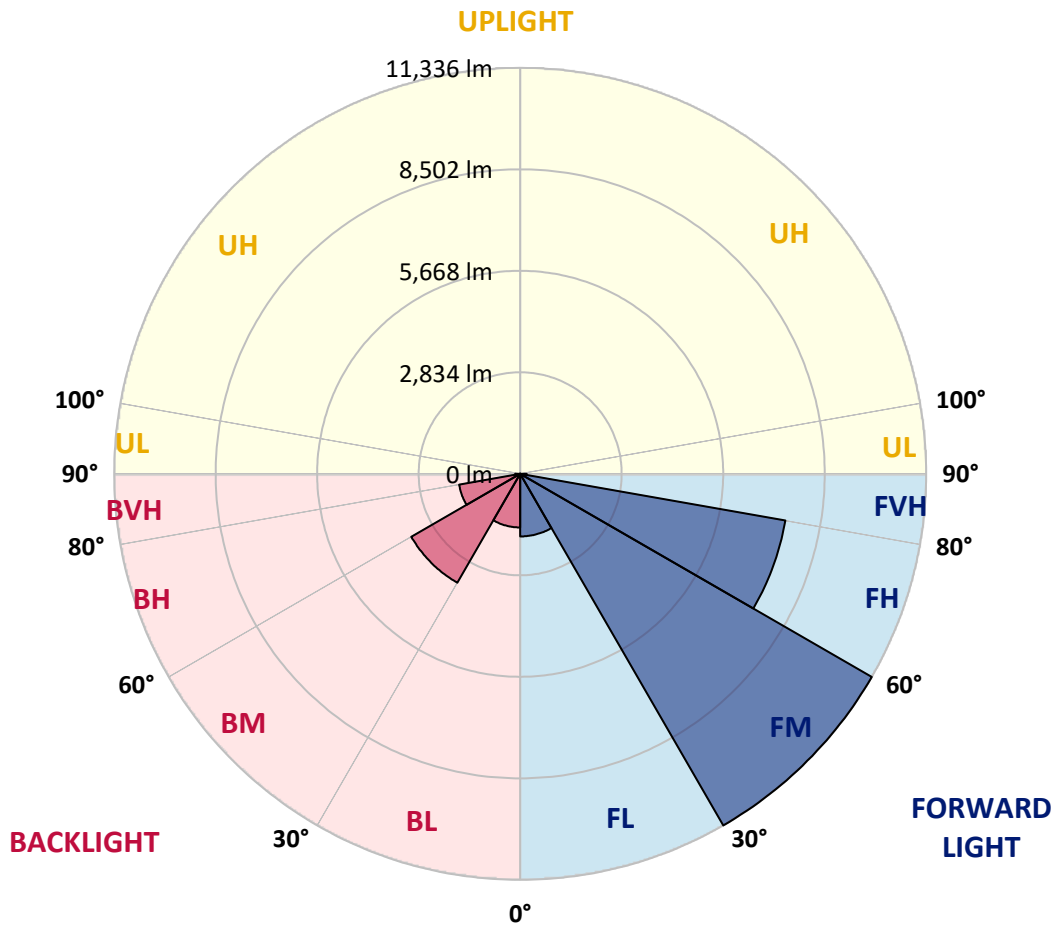
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1748.0	6.3			
FM (30°-60°)	11335.7	41.0			
FH (60°-80°)	7519.3	27.2			G4/12000
FVH (80°-90°)	181.0	0.7			G2/225
BL (0°-30°)	1498.3	5.4	B3/2500		
BM (30°-60°)	3510.6	12.7	B3/5000		
BH (60°-80°)	1730.9	6.3	B3/2500		G3/2500
BVH (80°-90°)	138.3	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°	3068.1	3068.1	3068.1	3068.1	3068.1	3068.1	3068.1	3068.1	3068.1	3068.1
2.5°	3036.1	3053.5	3049.2	3041.9	3040.5	3043.4	3047.7	3052.1	3050.6	3057.9
5°	3027.4	3044.8	3043.4	3043.4	3049.2	3060.8	3068.1	3075.3	3068.1	3076.8
7.5°	3033.2	3046.3	3052.1	3057.9	3072.4	3094.2	3111.7	3127.7	3118.9	3129.1
10°	3107.3	3117.5	3123.3	3123.3	3133.5	3158.2	3175.6	3204.7	3197.4	3213.4
12.5°	3242.5	3252.7	3252.7	3246.8	3254.1	3270.1	3275.9	3307.9	3294.8	3321.0
15°	3408.2	3428.5	3412.5	3402.4	3405.3	3421.3	3419.8	3444.5	3431.4	3453.2
17.5°	3591.3	3617.5	3591.3	3589.8	3584.0	3601.5	3602.9	3624.7	3601.5	3617.5
20°	3807.9	3844.2	3822.4	3829.7	3816.6	3823.8	3831.1	3863.1	3826.7	3838.4
22.5°	4113.1	4156.7	4133.4	4161.0	4152.3	4146.5	4145.0	4201.7	4145.0	4149.4
25°	4557.8	4610.1	4569.4	4607.2	4607.2	4626.1	4647.9	4720.6	4626.1	4598.5
27.5°	5214.7	5267.0	5187.1	5210.4	5203.1	5249.6	5226.3	5406.6	5304.8	5259.8
30°	6005.4	6098.4	5947.2	5941.4	5934.1	6008.3	6041.7	6160.9	6057.7	6012.6
32.5°	6859.9	6957.3	6777.1	6724.8	6697.2	6742.2	6714.6	6810.5	6739.3	6669.6
35°	7763.9	7859.9	7688.4	7586.6	7476.2	7381.7	7282.9	7307.6	7240.7	7134.6
37.5°	8618.5	8794.4	8612.7	8503.7	8300.2	8115.7	7839.5	7724.7	7662.2	7564.8
40°	9489.1	9589.4	9451.3	9358.3	9137.4	8848.2	8406.3	8163.6	8079.3	7984.9
42.5°	10130.0	10226.0	10151.8	10087.9	9914.9	9579.2	9008.0	8704.3	8582.2	8476.1
45°	10638.7	10709.9	10663.4	10686.7	10612.6	10287.0	9631.5	9284.2	9157.7	9028.4
47.5°	10843.7	10919.2	10993.4	11131.4	11257.9	11018.1	10301.5	9912.0	9778.3	9646.1
50°	10820.4	10897.4	11112.5	11406.1	11798.5	11718.6	11007.9	10580.6	10457.1	10305.9
52.5°	10634.4	10721.6	10997.7	11486.0	12111.0	12243.3	11727.3	11270.9	11154.7	10974.5
55°	10146.0	10198.4	10612.6	11304.4	12185.1	12609.5	12432.2	12006.4	11890.1	11638.7
57.5°	9240.6	9316.2	9919.3	10814.6	11999.1	12858.0	13051.3	12779.6	12667.6	12305.8
60°	8059.0	8179.6	8870.0	9992.0	11525.3	12856.6	13613.8	13539.7	13446.7	12962.7
62.5°	6721.9	6861.4	7525.6	8829.3	10696.9	12491.8	13965.5	14176.3	14128.3	13568.7
65°	5162.4	5258.3	5919.6	7325.0	9407.7	11708.4	14006.2	14610.8	14619.5	14029.5
67.5°	3437.2	3713.4	4287.5	5496.7	7681.1	10428.0	13648.7	14682.0	14766.3	14187.9
70°	1677.2	2040.5	2603.0	3572.4	5496.7	8464.5	12714.2	14097.8	14285.3	13725.7
72.5°	696.2	813.9	1120.6	1762.9	3155.3	5711.8	10836.4	12513.6	12860.9	12161.9
75°	469.4	508.7	640.9	904.0	1437.4	2816.6	7814.8	9330.7	9890.2	9185.4
77.5°	361.9	386.6	466.5	632.2	854.6	1065.3	4182.8	5623.1	5912.3	5473.4
80°	284.9	303.8	348.8	460.7	606.1	569.7	1425.8	2547.8	2714.9	2277.4
82.5°	247.1	254.3	250.0	312.5	402.6	332.8	468.0	940.3	1037.7	752.8
85°	178.8	199.1	207.8	193.3	213.6	168.6	191.8	332.8	366.3	327.0
87.5°	72.7	107.5	132.3	125.0	78.5	48.0	59.6	97.4	111.9	122.1
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°
3068.1	0°	3068.1	3068.1	3068.1	3068.1	3068.1	3068.1	3068.1	3068.1	3068.1	3068.1
3069.5	2.5°	3071.0	3081.2	3088.4	3097.1	3103.0	3111.7	3129.1	3139.3	3140.8	3148.0
3092.8	5°	3098.6	3113.1	3129.1	3152.4	3178.5	3200.3	3233.8	3257.0	3265.7	3273.0
3149.5	7.5°	3158.2	3178.5	3207.6	3248.3	3286.1	3315.2	3355.9	3383.5	3411.1	3421.3
3239.6	10°	3246.8	3275.9	3318.1	3373.3	3414.0	3451.8	3493.9	3517.2	3544.8	3556.4
3347.1	12.5°	3357.3	3387.8	3443.1	3520.1	3557.9	3584.0	3598.6	3592.8	3598.6	3608.7
3476.5	15°	3483.7	3517.2	3579.7	3662.5	3688.7	3665.4	3633.4	3604.4	3600.0	3602.9
3633.4	17.5°	3633.4	3658.2	3730.8	3800.6	3781.7	3685.8	3616.0	3569.5	3546.2	3539.0
3834.0	20°	3842.7	3842.7	3902.3	3945.9	3819.5	3656.7	3547.7	3472.1	3424.2	3403.8
4107.2	22.5°	4097.1	4073.8	4111.6	4081.1	3812.2	3575.3	3424.2	3293.4	3220.7	3191.6
4489.5	25°	4419.7	4392.1	4381.9	4193.0	3759.9	3446.0	3200.3	3041.9	2978.0	2962.0
5040.3	27.5°	4906.6	4836.8	4704.6	4254.0	3664.0	3242.5	2938.7	2791.9	2755.6	2757.1
5748.1	30°	5554.8	5415.3	5091.2	4264.2	3507.0	2954.7	2671.3	2566.7	2549.2	2556.5
6342.5	32.5°	6155.1	6022.8	5486.5	4217.7	3265.7	2672.8	2431.5	2361.7	2335.6	2344.3
6796.0	35°	6626.0	6589.6	5852.8	4152.3	2969.3	2408.2	2216.4	2156.8	2105.9	2094.3
7223.3	37.5°	7070.7	7056.2	6127.4	4060.7	2675.7	2220.8	2043.4	1965.0	1890.8	1850.2
7695.6	40°	7559.0	7544.5	6307.7	3919.8	2415.5	2058.0	1887.9	1784.7	1693.2	1619.1
8230.5	42.5°	8108.4	8022.6	6393.4	3717.7	2194.6	1919.9	1761.5	1622.0	1501.3	1433.0
8835.1	45°	8708.6	8515.3	6392.0	3460.5	2008.6	1793.5	1626.3	1428.7	1316.8	1252.8
9455.7	47.5°	9345.2	8986.2	6313.5	3175.6	1828.3	1653.9	1417.0	1265.9	1191.8	1152.5
10130.0	50°	10002.1	9426.6	6179.8	2848.6	1643.8	1495.5	1286.2	1183.0	1126.4	1090.0
10798.6	52.5°	10619.8	9826.3	6018.4	2478.0	1456.3	1341.5	1228.1	1148.2	1088.6	1047.9
11446.8	55°	11193.9	10170.7	5790.3	2098.7	1303.7	1238.3	1200.5	1133.6	1065.3	1017.4
12105.2	57.5°	11704.1	10394.6	5396.4	1742.6	1194.7	1167.1	1171.4	1108.9	1030.4	989.8
12753.4	60°	12128.4	10558.8	4813.6	1412.7	1106.0	1097.3	1126.4	1062.4	970.9	924.3
13301.3	62.5°	12382.8	10555.9	4098.5	1156.9	1030.4	1033.4	1066.8	1004.3	911.3	867.7
13587.6	65°	12361.0	10297.2	3313.7	989.8	957.8	960.7	1004.3	940.3	861.9	835.7
13443.7	67.5°	11923.5	9666.4	2542.0	880.7	877.8	890.9	941.8	896.7	831.3	828.4
12586.3	70°	10739.0	8356.9	1831.3	793.5	795.0	813.9	880.7	869.1	815.3	821.2
10582.0	72.5°	8611.3	6371.6	1229.6	702.0	703.4	734.0	822.6	847.3	799.4	876.4
7508.2	75°	5735.0	3973.5	790.6	604.6	606.1	645.3	771.7	805.2	755.8	873.5
3906.7	77.5°	2755.6	1786.2	572.6	508.7	508.7	545.0	667.1	720.9	643.8	678.7
1255.7	80°	952.0	671.5	450.5	409.9	401.1	425.8	562.5	625.0	555.2	511.6
409.9	82.5°	375.0	348.8	361.9	318.3	289.2	305.2	437.5	515.9	408.4	369.2
231.1	85°	215.1	226.7	255.8	210.7	167.1	187.5	321.2	370.6	308.1	271.8
75.6	87.5°	58.1	79.9	117.7	109.0	75.6	79.9	152.6	204.9	177.3	136.6
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>
3068.1
3146.6
3271.6
3422.7
3562.2
3611.6
3613.1
3549.1
3399.5
3187.3
2964.9
2761.4
2581.2
2355.9
2103.0
1851.6
1626.3
1437.4
1249.9
1143.8
1077.0
1030.4
998.5
963.6
904.0
854.6
834.2
832.8
819.7
888.0
880.7
622.0
479.6
367.7
277.6
141.0
0.0

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