

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: P952639

Luminaire Tested: **GALN-SB6B-935-U-T3R**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952639
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-5)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB6B-935-U-T3R
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
ROADWAY OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24386 lumens
Efficiency: N/A
Efficacy: 110.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G4

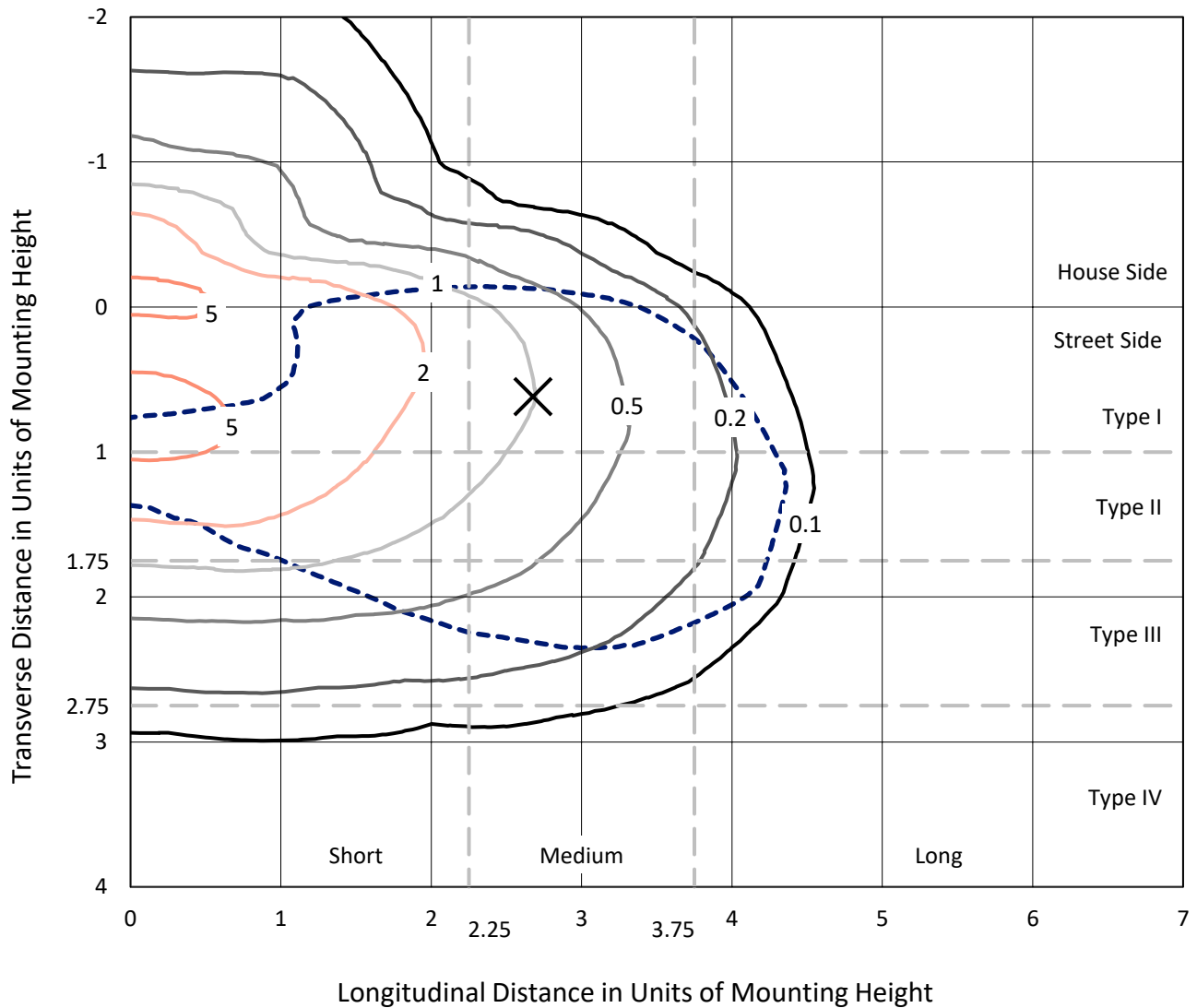
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

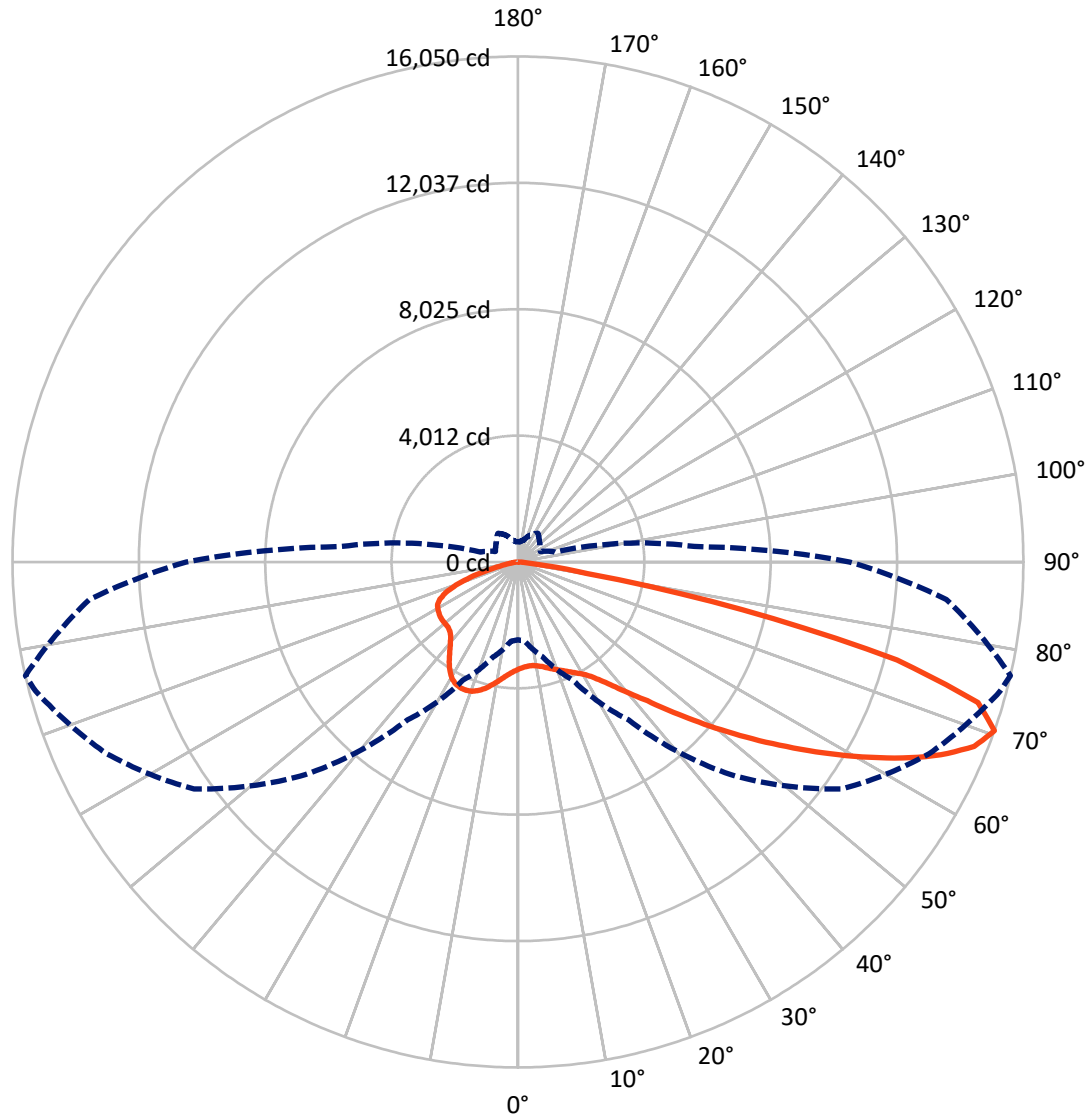
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.5 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5340.2	0.0	5340.2
	% Fixture	21.9	0.0	21.9
Street Side	Lumens	19045.8	0.0	19045.8
	% Fixture	78.1	0.0	78.1
Total	Lumens	24386.0	0.0	24386.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	324.5	1.3
10°-20°	936.4	3.8
20°-30°	1601.4	6.6
30°-40°	2575.3	10.6
40°-50°	4020.7	16.5
50°-60°	5370.7	22.0
60°-70°	5724.3	23.5
70°-80°	3523.9	14.5
80°-90°	308.8	1.3
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°	24386.0	100.0
0°-180°	24386.0	100.0



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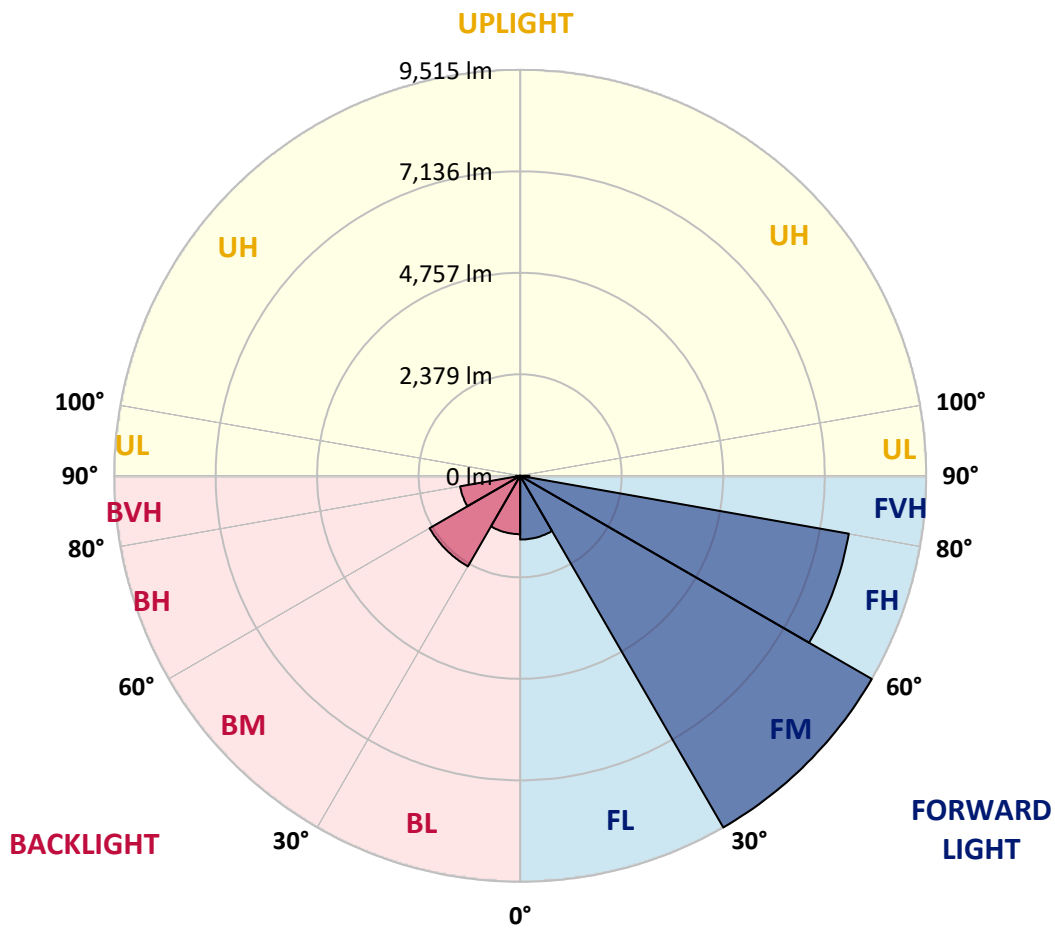
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1494.0	6.1			
FM (30°-60°)	9514.9	39.0			
FH (60°-80°)	7821.0	32.1			G4/12000
FVH (80°-90°)	215.9	0.9			G2/225
BL (0°-30°)	1368.3	5.6	B3/2500		
BM (30°-60°)	2451.8	10.1	B2/2500		
BH (60°-80°)	1427.2	5.9	B3/2500		G3/2500
BVH (80°-90°)	92.9	0.4			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 III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°
0°	3402.1	3402.1	3402.1	3402.1	3402.1	3402.1	3402.1	3402.1	3402.1	3402.1
2.5°	3136.0	3134.8	3151.0	3156.0	3186.0	3207.2	3247.2	3289.7	3344.6	3350.9
5°	2955.0	2955.0	2973.7	2993.7	3032.4	3074.9	3136.0	3209.7	3304.7	3319.6
7.5°	2801.3	2811.3	2827.6	2866.3	2911.2	2972.4	3066.1	3171.0	3295.9	3319.6
10°	2677.7	2688.9	2708.9	2740.1	2807.6	2892.5	3014.9	3149.8	3317.1	3354.6
12.5°	2639.0	2650.2	2661.5	2685.2	2747.6	2847.5	2993.7	3159.8	3368.3	3405.8
15°	2728.9	2742.6	2733.9	2727.7	2760.1	2851.3	3003.7	3196.0	3432.0	3485.7
17.5°	2936.2	2941.2	2921.2	2862.5	2857.5	2906.2	3051.1	3246.0	3512.0	3570.7
20°	3270.9	3262.2	3221.0	3104.8	3038.6	3028.6	3132.3	3320.9	3594.4	3656.8
22.5°	3725.5	3715.5	3633.1	3449.5	3302.2	3204.7	3249.7	3418.3	3686.8	3756.8
25°	4292.6	4278.8	4157.7	3907.9	3679.3	3438.3	3409.6	3546.9	3800.5	3865.4
27.5°	4954.5	4943.2	4812.1	4482.4	4152.7	3758.0	3608.1	3698.1	3919.1	3992.8
30°	5666.4	5698.8	5466.5	5111.8	4694.7	4175.2	3875.4	3884.2	4072.7	4138.9
32.5°	6503.1	6559.3	6279.6	5830.0	5260.5	4628.5	4212.6	4143.9	4296.3	4351.3
35°	7332.4	7396.1	7163.8	6666.8	6011.1	5163.1	4564.8	4442.4	4593.5	4653.5
37.5°	8049.3	8134.2	8014.3	7582.2	6814.1	5807.5	5024.4	4793.4	4959.5	5034.4
40°	8615.1	8745.0	8736.2	8466.5	7760.8	6589.3	5607.7	5226.7	5414.1	5495.3
42.5°	9074.7	9187.1	9284.5	9270.8	8748.7	7477.3	6293.3	5790.0	5932.4	6026.1
45°	9391.9	9511.8	9721.6	9947.7	9699.1	8427.7	7078.9	6458.2	6588.1	6729.2
47.5°	9675.4	9811.5	10083.8	10442.3	10506.0	9381.9	7939.4	7236.3	7354.9	7501.0
50°	9700.4	9817.8	10239.9	10748.2	11079.2	10298.6	8863.6	8109.3	8220.4	8376.5
52.5°	9097.2	9282.0	10018.9	10739.5	11342.7	11065.5	9781.6	9017.2	9142.1	9329.5
55°	7061.4	7332.4	9370.7	10404.8	11249.1	11561.3	10654.6	9982.7	10142.5	10338.6
57.5°	6082.3	6200.9	7438.6	9795.3	10821.9	11689.9	11391.4	10958.1	11215.3	11430.2
60°	5466.5	5565.2	6297.1	8847.4	10259.9	11486.4	11960.9	11867.3	12311.9	12567.9
62.5°	4807.1	4900.8	5566.5	7387.4	9540.5	11147.9	12320.6	12706.6	13435.9	13715.7
65°	4152.7	4232.6	4870.8	6207.2	8626.3	10809.4	12506.7	13432.2	14476.3	14766.0
67.5°	3423.3	3489.5	4092.7	5236.7	7514.8	10346.1	12599.1	14002.9	15381.8	15630.3
70°	2470.4	2521.6	3144.8	4141.4	6119.7	9549.3	12561.7	14407.6	15851.3	16049.9
72.5°	1167.7	1214.0	1945.8	2688.9	4322.5	7998.1	11803.6	14086.6	15374.3	15275.6
75°	623.2	663.2	1117.8	1475.0	2283.0	5482.8	9659.2	12134.5	12910.1	12430.5
77.5°	422.1	453.4	691.9	885.5	1042.9	2602.8	6208.4	8401.5	8083.0	7291.2
80°	334.7	367.2	567.0	599.5	504.6	940.4	2565.3	3889.1	2793.8	2234.3
82.5°	257.3	293.5	477.1	434.6	274.8	385.9	746.9	1230.2	715.6	544.5
85°	157.4	196.1	374.7	277.3	154.9	176.1	253.5	342.2	218.6	182.3
87.5°	79.9	112.4	189.8	101.2	69.9	41.2	67.4	67.4	57.5	50.0
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°
3402.1	0°	3402.1	3402.1	3402.1	3402.1	3402.1	3402.1	3402.1	3402.1	3402.1	3402.1
3384.6	2.5°	3414.6	3439.5	3482.0	3522.0	3553.2	3583.2	3613.1	3629.4	3634.4	3654.4
3403.3	5°	3454.5	3500.7	3583.2	3660.6	3709.3	3739.3	3760.5	3773.0	3775.5	3781.7
3454.5	7.5°	3528.2	3601.9	3716.8	3794.2	3830.5	3828.0	3819.2	3788.0	3775.5	3764.3
3529.5	10°	3631.9	3729.3	3870.4	3924.1	3901.6	3841.7	3764.3	3673.1	3630.6	3589.4
3631.9	12.5°	3760.5	3884.2	4022.8	4020.3	3909.1	3755.5	3575.7	3435.8	3347.1	3283.4
3758.0	15°	3916.6	4059.0	4165.2	4080.2	3836.7	3560.7	3297.2	3114.8	3034.9	2964.9
3885.4	17.5°	4077.7	4230.1	4278.8	4061.5	3654.4	3272.2	2973.7	2830.1	2751.4	2713.9
4022.8	20°	4235.1	4386.2	4346.3	3954.1	3377.1	2945.0	2678.9	2600.3	2584.0	2592.8
4156.4	22.5°	4401.2	4536.1	4360.0	3746.8	3023.6	2610.3	2464.1	2466.6	2502.8	2529.1
4296.3	25°	4571.1	4662.2	4323.8	3447.0	2644.0	2364.2	2328.0	2368.0	2439.1	2490.4
4453.7	27.5°	4734.7	4774.6	4245.1	3076.1	2318.0	2188.1	2194.4	2276.8	2384.2	2455.4
4644.7	30°	4919.5	4874.6	4094.0	2659.0	2091.9	2037.0	2089.5	2185.6	2293.0	2356.7
4885.8	32.5°	5128.1	4960.7	3854.2	2273.0	1932.1	1915.8	2002.0	2064.5	2111.9	2130.7
5205.5	35°	5387.9	5081.9	3546.9	2002.0	1788.5	1827.2	1909.6	1878.4	1859.6	1849.7
5635.1	37.5°	5725.1	5245.5	3187.3	1825.9	1672.3	1763.5	1797.2	1699.8	1626.1	1589.9
6155.9	40°	6131.0	5485.3	2841.3	1689.8	1598.6	1708.5	1649.8	1532.4	1438.8	1387.6
6741.7	42.5°	6581.8	5736.3	2550.3	1587.4	1557.4	1663.6	1541.2	1401.3	1250.2	1233.9
7439.8	45°	7055.2	5994.8	2351.7	1508.7	1537.4	1624.9	1478.7	1252.7	1145.3	1211.5
8140.5	47.5°	7528.5	6232.1	2231.8	1450.0	1527.4	1581.1	1423.8	1170.2	1094.1	1190.2
8891.1	50°	8055.6	6444.4	2178.1	1407.5	1516.2	1563.7	1341.3	1149.0	1040.4	1104.0
9667.9	52.5°	8578.9	6609.3	2138.2	1365.1	1500.0	1549.9	1301.4	1124.0	975.4	979.2
10449.7	55°	9100.9	6716.7	2094.4	1308.9	1463.7	1519.9	1297.6	1096.6	926.7	909.2
11276.5	57.5°	9657.9	6777.9	2040.7	1246.4	1401.3	1443.8	1293.9	1075.3	911.7	883.0
12122.1	60°	10224.9	6867.8	1970.8	1170.2	1317.6	1352.6	1285.1	1067.8	903.0	854.3
12918.9	62.5°	10733.3	6899.1	1887.1	1097.8	1210.2	1262.7	1266.4	1061.6	879.2	795.6
13580.8	65°	11066.7	6764.2	1741.0	1015.4	1094.1	1170.2	1230.2	1040.4	836.8	753.1
13908.0	67.5°	11053.0	6379.5	1512.4	909.2	981.7	1067.8	1177.7	1004.1	785.6	700.6
13660.7	70°	10538.4	5620.2	1222.7	785.6	858.0	957.9	1110.3	950.4	724.4	643.2
12147.0	72.5°	9038.5	4398.7	888.0	640.7	714.4	844.3	1022.9	885.5	661.9	592.0
8977.3	75°	6456.9	2783.9	602.0	492.1	555.8	715.6	914.2	809.3	604.5	594.5
4496.1	77.5°	3298.4	1330.1	398.4	359.7	387.2	564.5	768.1	723.1	613.2	490.8
1278.9	80°	1072.8	490.8	251.0	244.8	257.3	375.9	594.5	593.2	464.6	333.5
309.7	82.5°	342.2	211.1	163.6	157.4	151.1	236.0	414.6	469.6	313.5	211.1
111.2	85°	136.1	126.1	96.2	88.7	63.7	111.2	217.3	312.2	233.5	152.4
28.7	87.5°	50.0	50.0	26.2	18.7	13.7	37.5	58.7	93.7	133.6	78.7
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>
3402.1
3665.6
3791.7
3766.8
3576.9
3268.4
2957.5
2725.2
2589.0
2535.3
2504.1
2472.9
2371.7
2140.7
1859.6
1598.6
1391.3
1250.2
1246.4
1235.2
1151.5
1005.4
921.7
886.7
858.0
795.6
753.1
704.4
650.7
588.2
560.8
437.1
294.7
209.8
156.1
77.4
0.0

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