

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: P942325

Luminaire Tested: **GALN-SB6B-740-U-T2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942325
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB6B-740-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 35796 lumens
Efficiency: N/A
Efficacy: 162.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B4 - U0 - G4

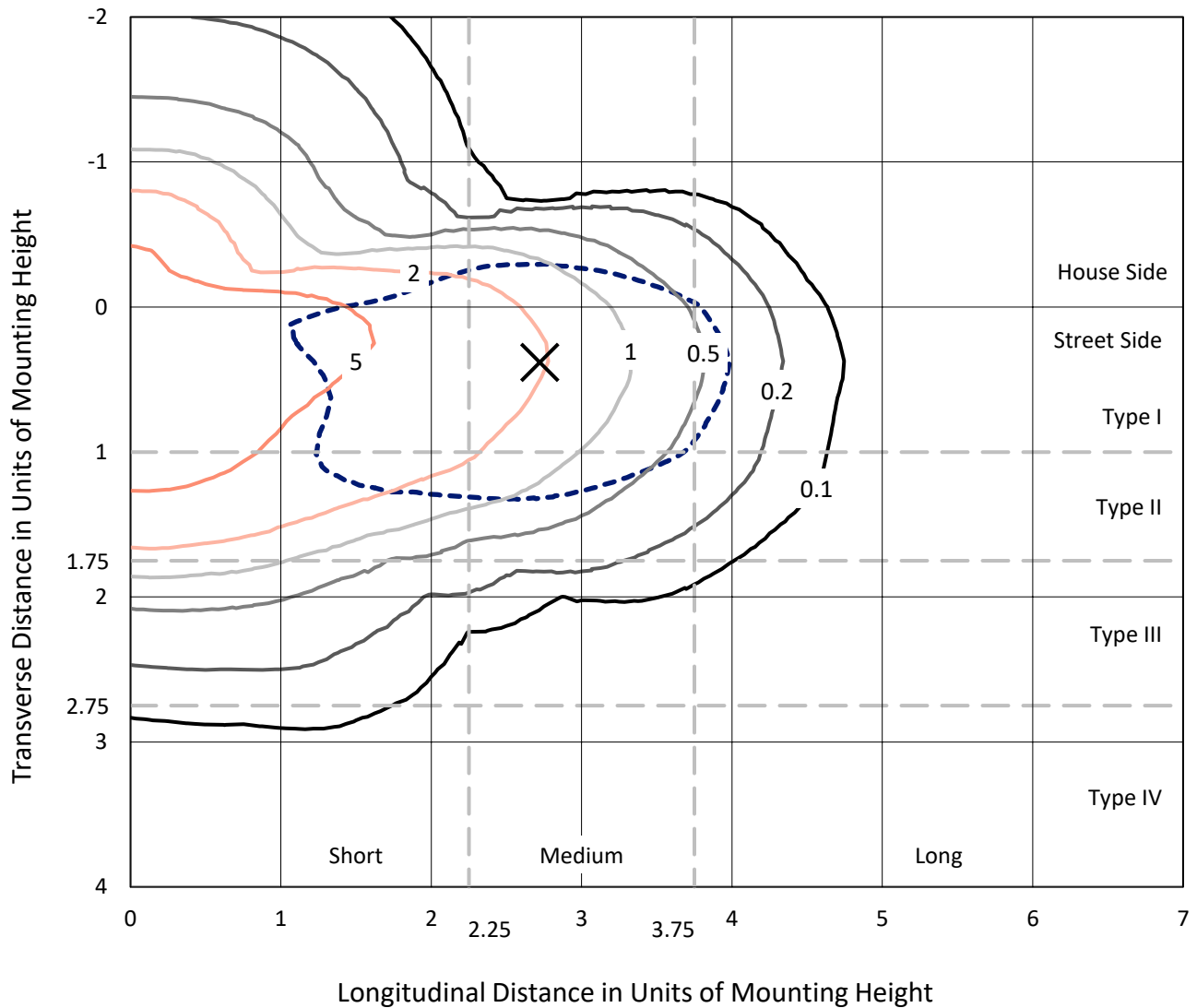
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

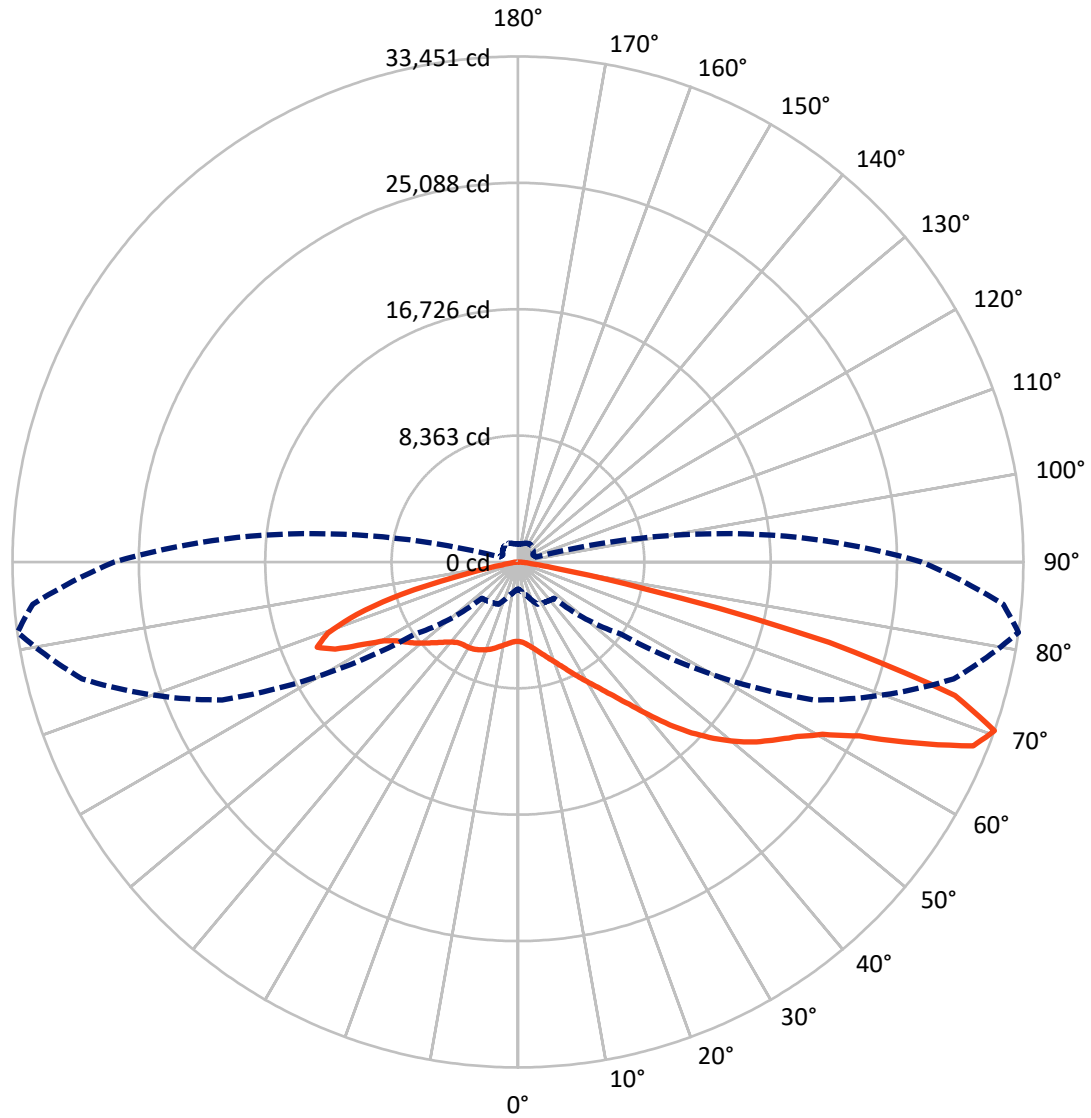
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.5 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8824.6	0.0	8824.6
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	26971.4	0.0	26971.4
	% Fixture	75.3	0.0	75.3
Total	Lumens	35796.0	0.0	35796.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	495.5	1.4
10°-20°	1423.6	4.0
20°-30°	2381.6	6.7
30°-40°	3720.7	10.4
40°-50°	5925.7	16.6
50°-60°	8246.3	23.0
60°-70°	8626.0	24.1
70°-80°	4508.4	12.6
80°-90°	468.1	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°	35796.0	100.0
0°-180°	35796.0	100.0

Coefficient of Utilization



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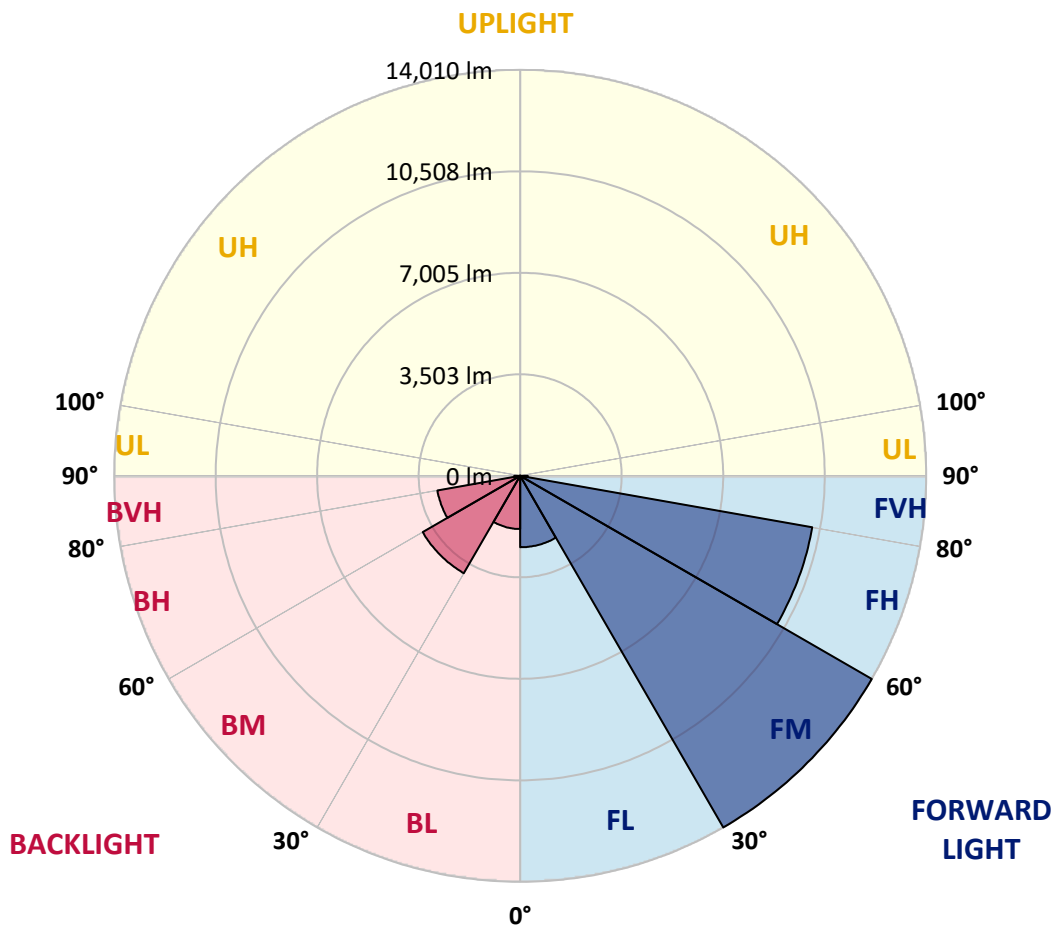
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2465.0	6.9			
FM (30°-60°)	14010.2	39.1			
FH (60°-80°)	10234.2	28.6			G4/12000
FVH (80°-90°)	262.1	0.7			G3/500
BL (0°-30°)	1835.8	5.1	B3/2500		
BM (30°-60°)	3882.5	10.8	B3/5000		
BH (60°-80°)	2900.2	8.1	B4/5000		G4/5000
BVH (80°-90°)	206.1	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 Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	5248.1	5248.1	5248.1	5248.1	5248.1	5248.1	5248.1	5248.1	5248.1	5248.1
2.5°	5373.5	5403.9	5394.4	5384.9	5384.9	5371.6	5369.7	5350.7	5335.5	5310.8
5°	5441.9	5474.2	5470.4	5478.0	5502.7	5508.4	5514.1	5502.7	5472.3	5441.9
7.5°	5381.1	5417.2	5428.6	5474.2	5550.2	5618.5	5669.8	5690.7	5662.2	5618.5
10°	5176.0	5215.9	5255.7	5364.0	5498.9	5660.3	5797.1	5878.8	5873.1	5831.3
12.5°	4760.0	4801.8	4887.2	5098.1	5345.0	5629.9	5884.5	6055.4	6114.3	6083.9
15°	4427.6	4463.7	4528.3	4744.8	5065.8	5498.9	5916.7	6249.1	6399.2	6382.1
17.5°	4418.1	4433.3	4473.2	4575.7	4822.7	5293.7	5882.6	6439.1	6725.9	6724.0
20°	4585.2	4590.9	4613.7	4634.6	4775.2	5138.0	5795.2	6596.7	7092.5	7092.5
22.5°	4817.0	4813.2	4836.0	4817.0	4885.3	5124.7	5740.1	6735.4	7500.9	7531.3
25°	5164.6	5145.6	5139.9	5096.2	5109.5	5248.1	5800.9	6893.1	7985.2	8047.9
27.5°	5628.0	5597.6	5576.7	5476.1	5441.9	5502.7	5987.0	7083.0	8524.7	8632.9
30°	6232.0	6177.0	6146.6	5971.8	5848.4	5857.9	6268.1	7335.6	9088.8	9263.5
32.5°	7056.4	6970.9	6889.3	6602.4	6376.4	6302.3	6630.9	7685.1	9700.4	9979.6
35°	7979.5	7911.2	7823.8	7381.2	7033.6	6862.7	7121.0	8173.3	10416.5	10859.1
37.5°	8868.5	8809.6	8851.4	8254.9	7806.7	7557.9	7763.0	8828.6	11299.7	11953.1
40°	9787.8	9742.2	9747.9	9178.1	8655.7	8376.5	8541.8	9651.0	12312.1	13254.3
42.5°	10786.9	10752.7	10638.7	10133.5	9546.6	9286.3	9438.3	10600.8	13398.6	14735.8
45°	11905.7	11884.8	11778.4	11199.1	10526.7	10234.2	10439.3	11649.2	14490.8	16130.0
47.5°	12872.5	12889.6	12876.3	12388.1	11691.0	11261.8	11506.8	12743.3	15507.0	17440.6
50°	13337.8	13427.1	13558.2	13406.2	12973.1	12536.3	12583.8	13799.4	16475.7	18669.6
52.5°	13094.7	13263.8	13620.9	13864.0	14031.1	13940.0	13812.7	14847.9	17387.4	19778.8
55°	12188.7	12426.1	13018.7	13605.7	14458.5	15121.4	15288.6	16010.3	18276.4	20755.1
57.5°	10538.1	10923.7	11455.5	12642.6	14078.6	15693.1	17009.4	17623.0	19218.5	21797.9
60°	7707.9	8224.6	8885.6	10652.0	12749.0	15387.3	18473.9	20099.8	20557.6	23148.4
62.5°	4932.8	5251.9	5859.8	7523.7	9934.0	13820.3	18922.2	23195.9	22827.4	25363.2
65°	3377.2	3582.3	4138.9	5073.4	6422.0	10287.3	17721.7	25517.0	26432.5	28873.3
67.5°	2454.1	2609.8	3084.7	3903.3	4184.5	6087.7	13751.9	25410.7	29937.0	32489.8
70°	1789.3	1899.4	2298.3	3084.7	3219.5	3386.7	8330.9	21600.4	29861.0	33451.0
72.5°	1325.8	1401.8	1669.6	2393.3	2606.0	2286.9	4123.7	15698.8	25659.5	30256.1
75°	959.2	1016.2	1213.7	1831.1	2085.6	1741.8	2057.1	9174.3	17898.4	21283.2
77.5°	733.2	776.9	906.0	1341.0	1669.6	1306.8	1276.4	4220.5	8486.7	8528.5
80°	588.8	617.3	687.6	944.0	1280.2	978.2	832.0	1703.8	2682.0	2269.8
82.5°	433.1	480.6	581.2	662.9	915.5	674.3	507.1	860.4	1020.0	877.5
85°	246.9	279.2	351.4	474.9	585.0	412.2	290.6	381.8	474.9	389.4
87.5°	87.4	114.0	123.5	186.1	254.5	170.9	112.1	110.2	155.8	115.9
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°
5248.1	0°	5248.1	5248.1	5248.1	5248.1	5248.1	5248.1	5248.1	5248.1	5248.1	5248.1
5305.1	2.5°	5286.1	5276.6	5238.6	5187.4	5134.2	5082.9	5065.8	5029.7	5005.0	4991.7
5428.6	5°	5392.5	5362.1	5272.8	5158.9	5039.2	4910.0	4818.9	4735.3	4674.5	4617.5
5597.6	7.5°	5544.5	5491.3	5337.4	5138.0	4925.2	4710.6	4551.0	4429.5	4347.8	4294.6
5795.2	10°	5721.1	5639.4	5403.9	5105.7	4777.1	4469.4	4281.3	4176.9	4125.6	4097.1
6021.2	12.5°	5924.3	5808.5	5472.3	5031.6	4551.0	4199.7	4070.5	4040.1	4042.0	4043.9
6306.1	15°	6175.1	6013.6	5527.4	4870.2	4256.6	3992.6	3969.8	4019.2	4070.5	4095.2
6629.0	17.5°	6458.1	6230.1	5536.9	4604.2	3967.9	3859.7	3931.8	4038.2	4116.1	4150.3
6989.9	20°	6762.0	6450.5	5468.5	4228.1	3730.5	3751.4	3880.5	4017.3	4102.8	4146.5
7402.1	22.5°	7109.6	6686.0	5305.1	3833.1	3536.7	3633.6	3785.6	3918.5	4007.8	4051.5
7886.5	25°	7506.6	6950.0	5048.7	3500.7	3369.6	3500.7	3652.6	3762.8	3835.0	3874.8
8427.8	27.5°	7947.2	7225.5	4706.8	3236.6	3223.3	3363.9	3489.3	3574.7	3612.7	3643.1
9003.3	30°	8389.8	7476.2	4292.7	3037.2	3096.1	3229.0	3318.3	3356.3	3367.7	3373.4
9645.3	32.5°	8868.5	7692.7	3857.8	2871.9	2974.5	3098.0	3151.2	3168.3	3115.1	3079.0
10424.1	35°	9447.8	7924.4	3432.3	2740.9	2854.9	2961.2	2978.3	2963.1	2900.4	2826.4
11400.4	37.5°	10163.9	8213.2	3092.3	2647.8	2742.8	2813.1	2792.2	2788.4	2794.1	2706.7
12574.3	40°	11041.4	8589.2	2843.5	2575.6	2651.6	2666.8	2607.9	2640.2	2668.7	2535.7
13862.1	42.5°	12015.8	9043.2	2685.8	2526.2	2575.6	2539.5	2448.4	2484.5	2480.7	2305.9
15155.6	45°	13009.2	9537.1	2630.7	2490.2	2505.4	2433.2	2332.5	2342.0	2262.2	2104.6
16395.9	47.5°	13996.9	10067.0	2664.9	2459.8	2418.0	2336.3	2258.4	2216.6	2098.9	1981.1
17585.0	50°	14965.7	10623.5	2790.3	2399.0	2298.3	2250.8	2193.8	2119.8	1994.4	1893.7
18709.4	52.5°	15864.1	11183.9	2930.8	2298.3	2148.3	2176.8	2140.7	2055.2	1931.7	1829.2
19773.1	55°	16715.0	11744.2	2985.9	2159.7	2007.7	2112.2	2091.3	1933.6	1785.5	1701.9
20886.2	57.5°	17642.0	12418.5	2925.1	1983.0	1893.7	2038.1	1958.3	1783.6	1698.1	1635.4
22335.5	60°	18926.0	13476.5	2794.1	1764.6	1785.5	1927.9	1791.2	1719.0	1625.9	1555.6
24508.4	62.5°	21059.0	15450.0	2583.2	1548.0	1658.2	1764.6	1711.4	1639.2	1544.2	1475.9
28223.7	65°	24212.1	18192.8	2186.3	1379.0	1515.7	1605.0	1625.9	1553.7	1455.0	1382.8
31479.4	67.5°	26871.3	19913.7	1654.4	1238.4	1369.5	1475.9	1534.7	1464.5	1360.0	1289.7
32241.0	70°	26725.1	18663.9	1263.1	1099.8	1240.3	1348.6	1424.6	1369.5	1257.4	1190.9
29285.5	72.5°	23737.2	15613.4	1021.9	959.2	1109.3	1215.6	1306.8	1265.0	1151.1	1086.5
21454.1	75°	17438.7	11083.2	816.8	816.8	945.9	1077.0	1177.7	1151.1	1046.6	1001.0
9007.1	77.5°	7350.8	4649.8	640.1	678.1	786.4	925.0	1050.4	1059.9	968.7	1025.7
2381.9	80°	1954.5	1282.1	488.2	533.7	617.3	763.6	913.6	909.8	811.1	757.9
885.1	82.5°	744.6	505.2	347.6	376.1	446.4	585.0	723.7	746.5	647.7	560.3
347.6	85°	286.8	216.5	214.6	226.0	260.2	387.5	547.0	566.0	488.2	414.1
96.9	87.5°	74.1	64.6	79.8	76.0	119.7	207.0	313.4	324.8	298.2	172.8
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>
5248.1
5006.9
4640.3
4306.0
4104.7
4047.7
4093.3
4157.9
4157.9
4062.9
3886.2
3654.5
3386.7
3090.4
2830.2
2712.4
2539.5
2304.0
2110.3
1981.1
1886.1
1831.1
1694.3
1629.7
1551.8
1475.9
1386.6
1291.6
1196.6
1086.5
987.7
930.7
704.7
560.3
427.4
246.9
0.0

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