

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: P942745

Luminaire Tested: **GALN-SB6D-927-U-T2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942745
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-SB6D-927-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 37218 lumens
Efficiency: N/A
Efficacy: 84.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B4 - U0 - G4

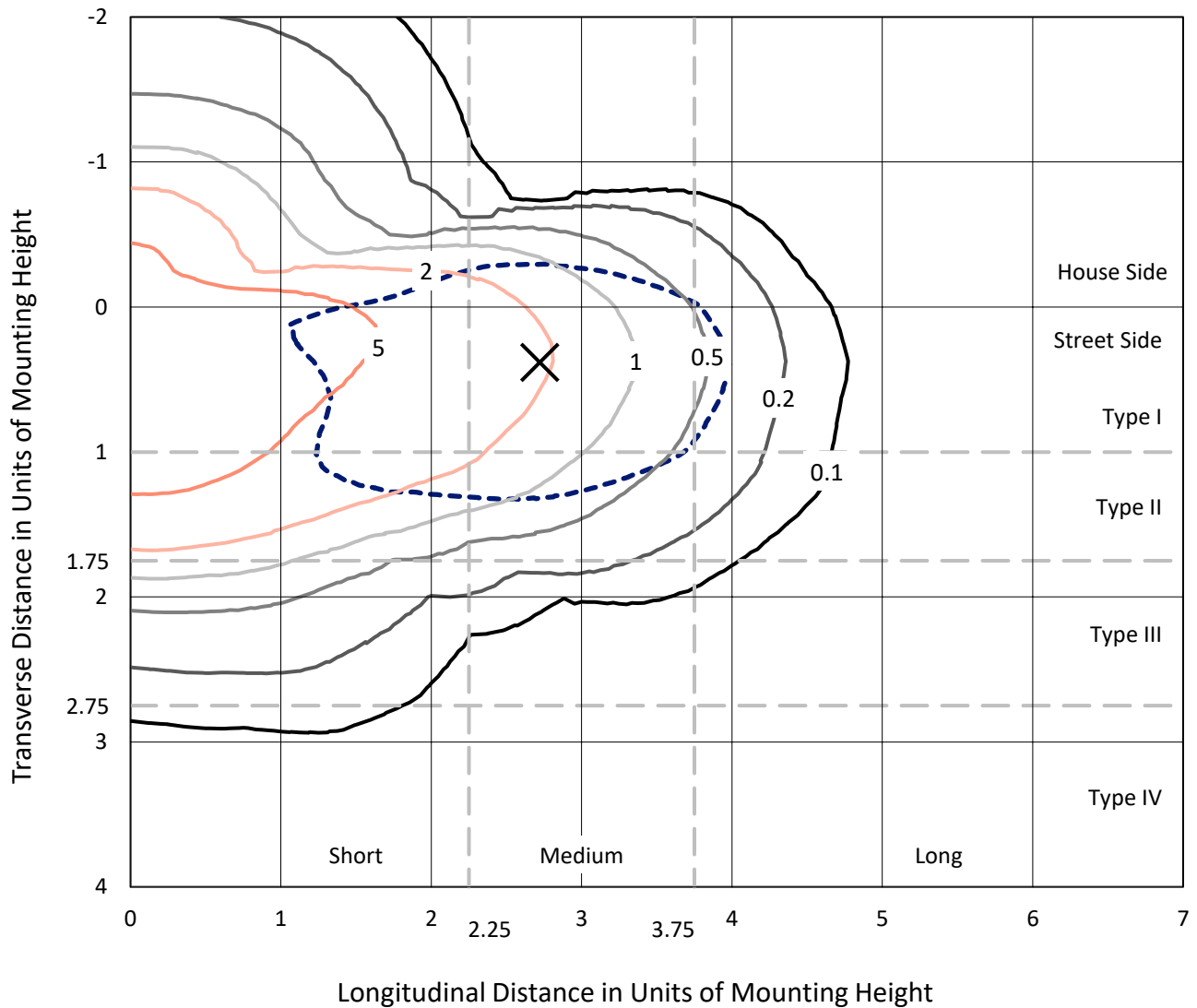
Input Watts (W): 440.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

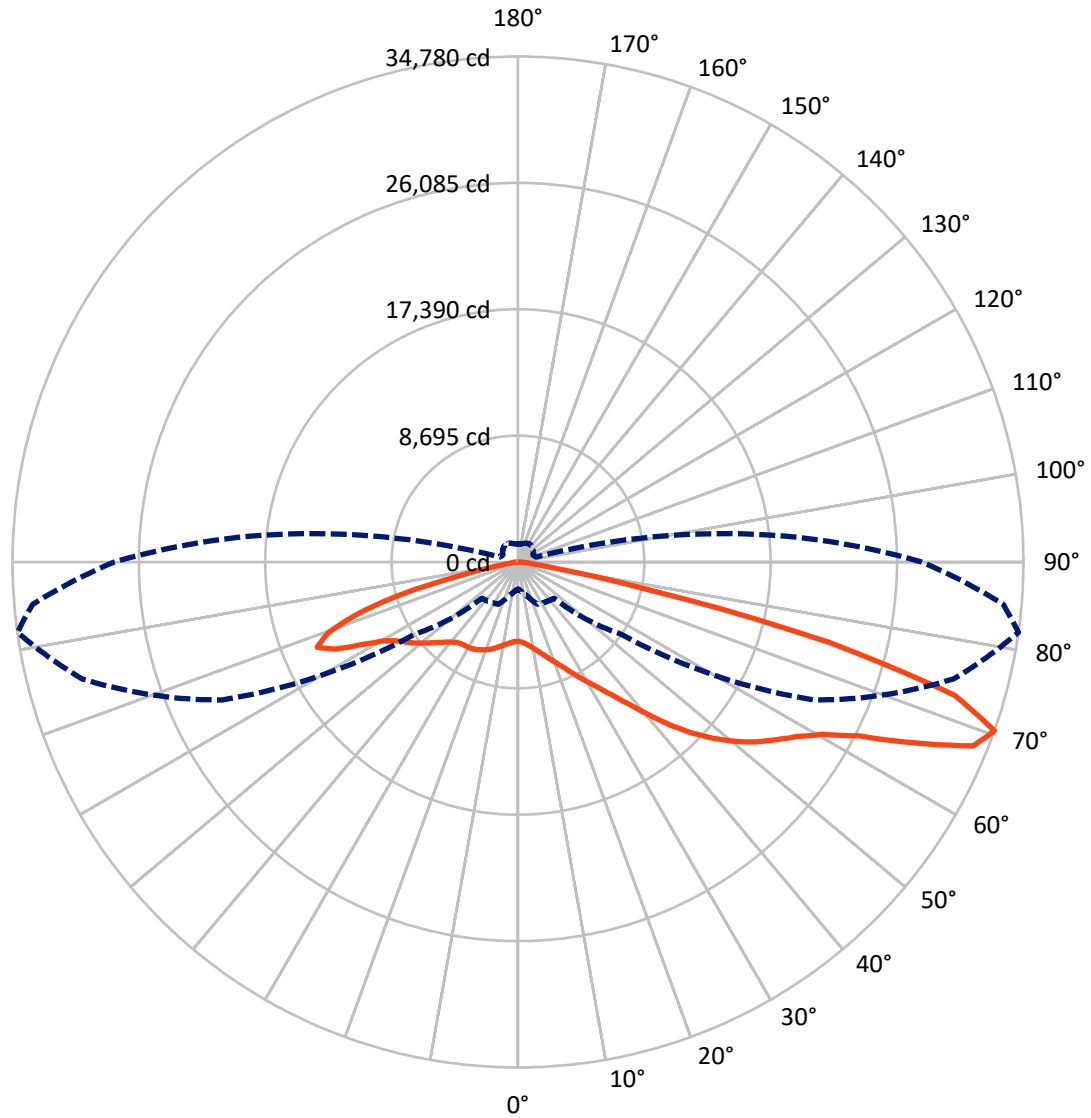
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.9 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	9175.1	0.0	9175.1
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	28042.8	0.0	28042.8
	% Fixture	75.3	0.0	75.3
Total	Lumens	37218.0	0.0	37218.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	515.2	1.4
10°-20°	1480.2	4.0
20°-30°	2476.2	6.7
30°-40°	3868.5	10.4
40°-50°	6161.1	16.6
50°-60°	8573.9	23.0
60°-70°	8968.7	24.1
70°-80°	4687.5	12.6
80°-90°	486.7	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°	37218.0	100.0
0°-180°	37218.0	100.0

Coefficient of Utilization



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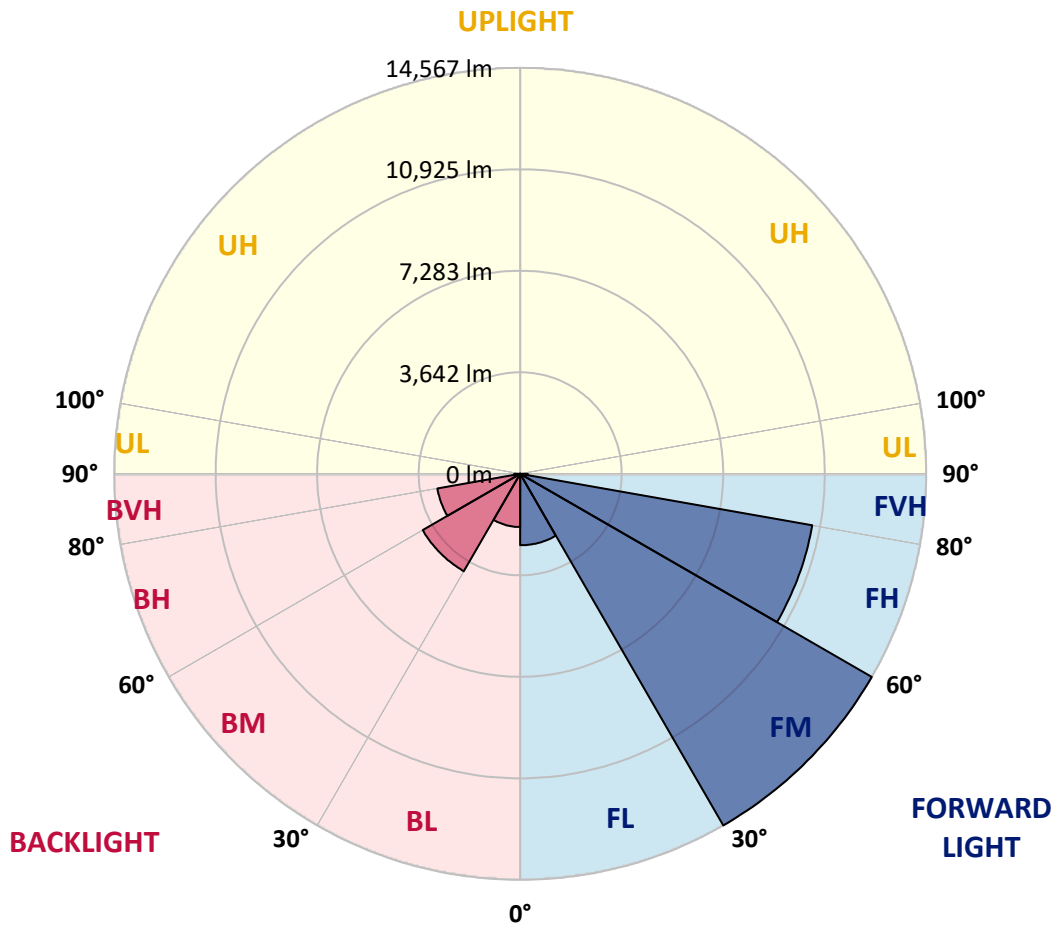
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2562.9	6.9			
FM (30°-60°)	14566.8	39.1			
FH (60°-80°)	10640.7	28.6			G4/12000
FVH (80°-90°)	272.5	0.7			G3/500
BL (0°-30°)	1908.8	5.1	B3/2500		
BM (30°-60°)	4036.7	10.8	B3/5000		
BH (60°-80°)	3015.4	8.1	B4/5000		G4/5000
BVH (80°-90°)	214.3	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°	5456.6	5456.6	5456.6	5456.6	5456.6	5456.6	5456.6	5456.6	5456.6	5456.6
2.5°	5587.0	5618.6	5608.7	5598.8	5598.8	5585.0	5583.0	5563.3	5547.5	5521.8
5°	5658.1	5691.6	5687.7	5695.6	5721.3	5727.2	5733.1	5721.3	5689.7	5658.1
7.5°	5594.9	5632.4	5644.2	5691.6	5770.6	5841.7	5895.1	5916.8	5887.2	5841.7
10°	5381.6	5423.1	5464.5	5577.1	5717.3	5885.2	6027.4	6112.3	6106.4	6062.9
12.5°	4949.1	4992.5	5081.4	5300.6	5557.3	5853.6	6118.2	6296.0	6357.2	6325.6
15°	4603.5	4641.0	4708.1	4933.3	5267.0	5717.3	6151.8	6497.4	6653.4	6635.6
17.5°	4593.6	4609.4	4650.9	4757.5	5014.2	5504.0	6116.2	6694.9	6993.1	6991.1
20°	4767.4	4773.3	4797.0	4818.7	4964.9	5342.1	6025.4	6858.8	7374.2	7374.2
22.5°	5008.3	5004.4	5028.1	5008.3	5079.4	5328.3	5968.1	7003.0	7798.8	7830.4
25°	5369.7	5350.0	5344.1	5298.6	5312.5	5456.6	6031.3	7166.9	8302.4	8367.6
27.5°	5851.6	5820.0	5798.3	5693.6	5658.1	5721.3	6224.9	7364.4	8863.3	8975.9
30°	6479.6	6422.3	6390.7	6209.1	6080.7	6090.6	6517.1	7627.0	9449.9	9631.5
32.5°	7336.7	7247.9	7162.9	6864.7	6629.7	6552.7	6894.3	7990.4	10085.8	10376.1
35°	8296.5	8225.4	8134.6	7674.4	7313.0	7135.3	7403.9	8498.0	10830.3	11290.5
37.5°	9220.8	9159.5	9203.0	8582.9	8116.8	7858.1	8071.4	9179.3	11748.6	12428.0
40°	10176.6	10129.2	10135.1	9542.7	8999.6	8709.3	8881.1	10034.4	12801.2	13780.8
42.5°	11215.4	11179.9	11061.4	10536.0	9925.8	9655.2	9813.2	11021.9	13930.9	15321.2
45°	12378.6	12356.9	12246.3	11644.0	10944.8	10640.7	10854.0	12112.0	15066.4	16770.8
47.5°	13383.8	13401.6	13387.8	12880.2	12155.5	11709.1	11963.9	13249.5	16123.0	18133.5
50°	13867.7	13960.5	14096.8	13938.8	13488.5	13034.3	13083.7	14347.6	17130.2	19411.2
52.5°	13614.9	13790.7	14161.9	14414.7	14588.5	14493.7	14361.4	15437.7	18078.2	20564.5
55°	12672.9	12919.7	13535.9	14146.1	15032.9	15722.1	15895.9	16646.4	19002.4	21579.6
57.5°	10956.7	11357.6	11910.6	13144.9	14637.9	16316.6	17685.2	18323.0	19981.9	22663.9
60°	8014.1	8551.3	9238.5	11075.2	13255.5	15998.6	19207.8	20898.3	21374.2	24068.0
62.5°	5128.8	5460.6	6092.5	7822.5	10328.7	14369.3	19673.9	24117.4	23734.2	26370.7
65°	3511.4	3724.6	4303.3	5274.9	6677.1	10696.0	18425.7	26530.7	27482.6	30020.3
67.5°	2551.6	2713.5	3207.2	4058.4	4350.7	6329.5	14298.2	26420.1	31126.3	33780.5
70°	1860.3	1974.9	2389.6	3207.2	3347.4	3521.2	8661.9	22458.5	31047.3	34779.8
72.5°	1378.5	1457.5	1735.9	2488.4	2709.6	2377.8	4287.5	16322.5	26678.8	31458.0
75°	997.3	1056.6	1262.0	1903.8	2168.4	1811.0	2138.8	9538.7	18609.4	22128.7
77.5°	762.3	807.7	942.0	1394.3	1735.9	1358.7	1327.1	4388.2	8823.8	8867.3
80°	612.2	641.8	714.9	981.5	1331.1	1017.1	865.0	1771.5	2788.5	2360.0
82.5°	450.3	499.6	604.3	689.2	951.9	701.1	527.3	894.6	1060.5	912.4
85°	256.7	290.3	365.4	493.7	608.3	428.6	302.2	397.0	493.7	404.9
87.5°	90.8	118.5	128.4	193.5	264.6	177.7	116.5	114.5	161.9	120.5
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°
5456.6	0°	5456.6	5456.6	5456.6	5456.6	5456.6	5456.6	5456.6	5456.6	5456.6	5456.6
5515.9	2.5°	5496.1	5486.2	5446.7	5393.4	5338.1	5284.8	5267.0	5229.5	5203.8	5190.0
5644.2	5°	5606.7	5575.1	5482.3	5363.8	5239.4	5105.1	5010.3	4923.4	4860.2	4801.0
5820.0	7.5°	5764.7	5709.4	5549.4	5342.1	5120.9	4897.7	4731.8	4605.4	4520.5	4465.2
6025.4	10°	5948.4	5863.5	5618.6	5308.5	4966.9	4646.9	4451.4	4342.8	4289.5	4259.8
6260.4	12.5°	6159.7	6039.2	5689.7	5231.5	4731.8	4366.5	4232.2	4200.6	4202.6	4204.5
6556.6	15°	6420.4	6252.5	5746.9	5063.6	4425.7	4151.2	4127.5	4178.9	4232.2	4257.9
6892.4	17.5°	6714.6	6477.6	5756.8	4787.1	4125.5	4013.0	4088.0	4198.6	4279.6	4315.1
7267.6	20°	7030.6	6706.7	5685.7	4396.1	3878.7	3900.4	4034.7	4176.9	4265.8	4311.2
7696.2	22.5°	7392.0	6951.6	5515.9	3985.3	3677.2	3778.0	3936.0	4074.2	4167.0	4212.4
8199.7	25°	7804.8	7226.1	5249.3	3639.7	3503.5	3639.7	3797.7	3912.3	3987.3	4028.8
8762.6	27.5°	8262.9	7512.5	4893.8	3365.2	3351.4	3497.5	3627.9	3716.7	3756.2	3787.8
9361.0	30°	8723.1	7773.2	4463.3	3157.9	3219.1	3357.3	3450.1	3489.6	3501.5	3507.4
10028.5	32.5°	9220.8	7998.3	4011.0	2986.0	3092.7	3221.0	3276.3	3294.1	3238.8	3201.3
10838.2	35°	9823.1	8239.2	3568.6	2849.8	2968.3	3078.9	3096.6	3080.8	3015.7	2938.6
11853.3	37.5°	10567.6	8539.4	3215.1	2753.0	2851.7	2924.8	2903.1	2899.1	2905.1	2814.2
13073.8	40°	11480.0	8930.5	2956.4	2678.0	2756.9	2772.7	2711.5	2745.1	2774.7	2636.5
14412.8	42.5°	12493.2	9402.5	2792.5	2626.6	2678.0	2640.4	2545.6	2583.2	2579.2	2397.5
15757.7	45°	13526.0	9915.9	2735.2	2589.1	2604.9	2529.8	2425.2	2435.0	2352.1	2188.2
17047.3	47.5°	14553.0	10466.9	2770.8	2557.5	2514.0	2429.1	2348.1	2304.7	2182.3	2059.8
18283.5	50°	15560.2	11045.6	2901.1	2494.3	2389.6	2340.2	2281.0	2204.0	2073.6	1969.0
19452.7	52.5°	16494.3	11628.2	3047.3	2389.6	2233.6	2263.2	2225.7	2136.8	2008.5	1901.8
20558.6	55°	17379.0	12210.8	3104.5	2245.5	2087.5	2196.1	2174.4	2010.4	1856.4	1769.5
21715.9	57.5°	18342.8	12911.8	3041.3	2061.8	1969.0	2119.1	2036.1	1854.4	1765.6	1700.4
23222.7	60°	19677.8	14011.9	2905.1	1834.7	1856.4	2004.5	1862.3	1787.3	1690.5	1617.4
25482.0	62.5°	21895.6	16063.8	2685.9	1609.5	1724.1	1834.7	1779.4	1704.3	1605.6	1534.5
29344.9	65°	25173.9	18915.5	2273.1	1433.8	1576.0	1668.8	1690.5	1615.5	1512.8	1437.7
32729.9	67.5°	27938.8	20704.8	1720.1	1287.6	1423.9	1534.5	1595.7	1522.6	1414.0	1341.0
33521.8	70°	27786.7	19405.3	1313.3	1143.5	1289.6	1402.2	1481.2	1423.9	1307.4	1238.3
30448.9	72.5°	24680.2	16233.6	1062.5	997.3	1153.3	1263.9	1358.7	1315.3	1196.8	1129.6
22306.4	75°	18131.5	11523.5	849.2	849.2	983.5	1119.8	1224.4	1196.8	1088.2	1040.8
9364.9	77.5°	7642.8	4834.5	665.5	705.0	817.6	961.8	1092.1	1102.0	1007.2	1066.4
2476.5	80°	2032.2	1333.1	507.5	554.9	641.8	793.9	949.9	946.0	843.3	788.0
920.3	82.5°	774.2	525.3	361.4	391.0	464.1	608.3	752.4	776.1	673.4	582.6
361.4	85°	298.2	225.1	223.2	235.0	270.6	402.9	568.8	588.5	507.5	430.5
100.7	87.5°	77.0	67.1	82.9	79.0	124.4	215.3	325.9	337.7	310.1	179.7
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>
5456.6
5205.8
4824.7
4477.1
4267.7
4208.5
4255.9
4323.0
4323.0
4224.3
4040.6
3799.7
3521.2
3213.1
2942.6
2820.1
2640.4
2395.5
2194.1
2059.8
1961.1
1903.8
1761.6
1694.5
1613.5
1534.5
1441.7
1342.9
1244.2
1129.6
1026.9
967.7
732.7
582.6
444.4
256.7
0.0

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