

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: P953313

Luminaire Tested: **GALN-SB6D-927-U-T4W**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953313
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-1)
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-T4W
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 37488 lumens
Efficiency: N/A
Efficacy: 85.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

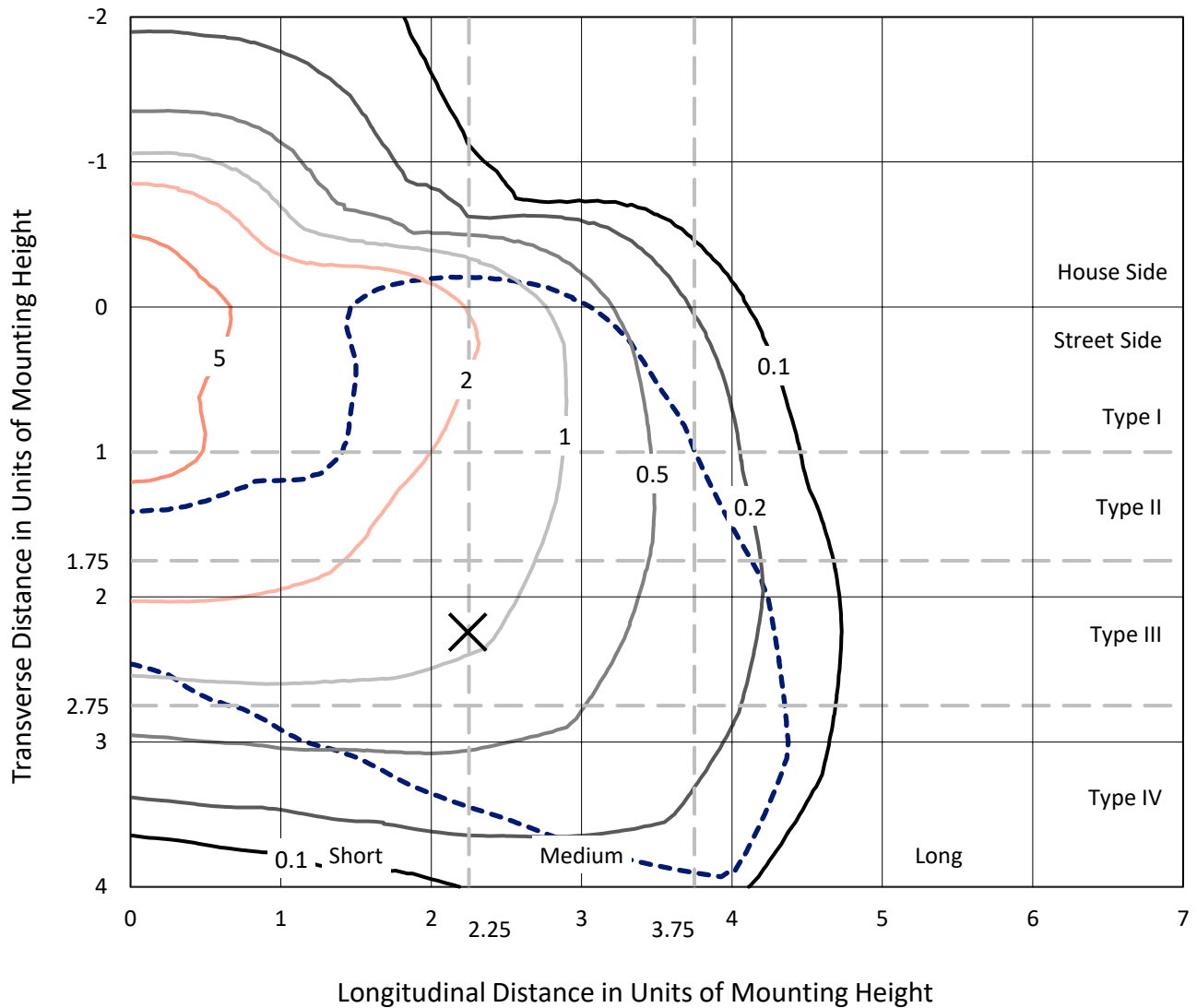
Input Watts (W): 440.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

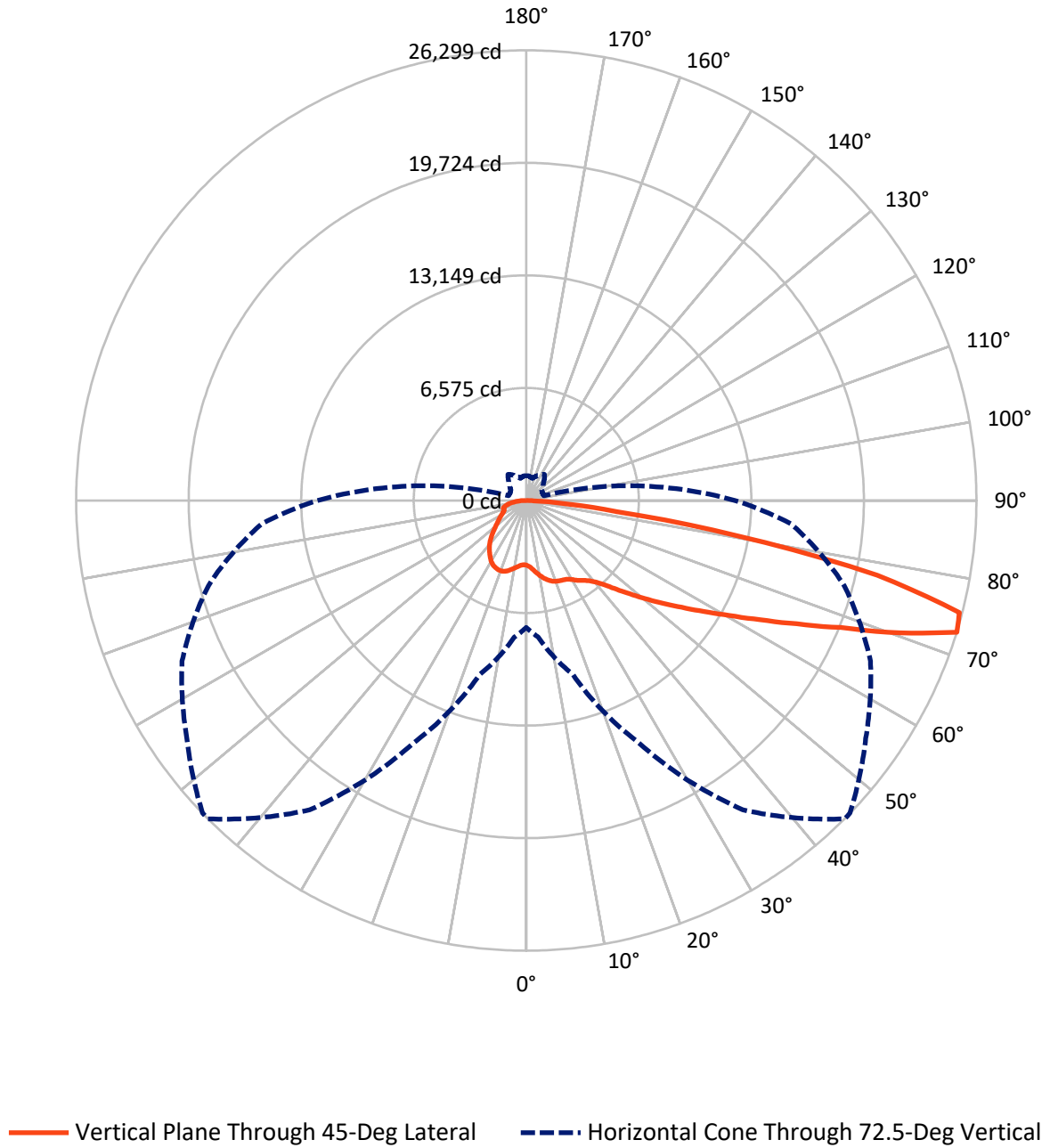
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.5 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8474.7	0.0	8474.7
	% Fixture	22.6	0.0	22.6
Street Side	Lumens	29013.3	0.0	29013.3
	% Fixture	77.4	0.0	77.4
Total	Lumens	37488.0	0.0	37488.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	384.9	1.0
10°-20°	1283.4	3.4
20°-30°	2232.5	6.0
30°-40°	3200.4	8.5
40°-50°	4506.3	12.0
50°-60°	6902.3	18.4
60°-70°	9999.0	26.7
70°-80°	7984.8	21.3
80°-90°	994.5	2.7
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°	37488.0	100.0
0°-180°	37488.0	100.0

Coefficient of Utilization



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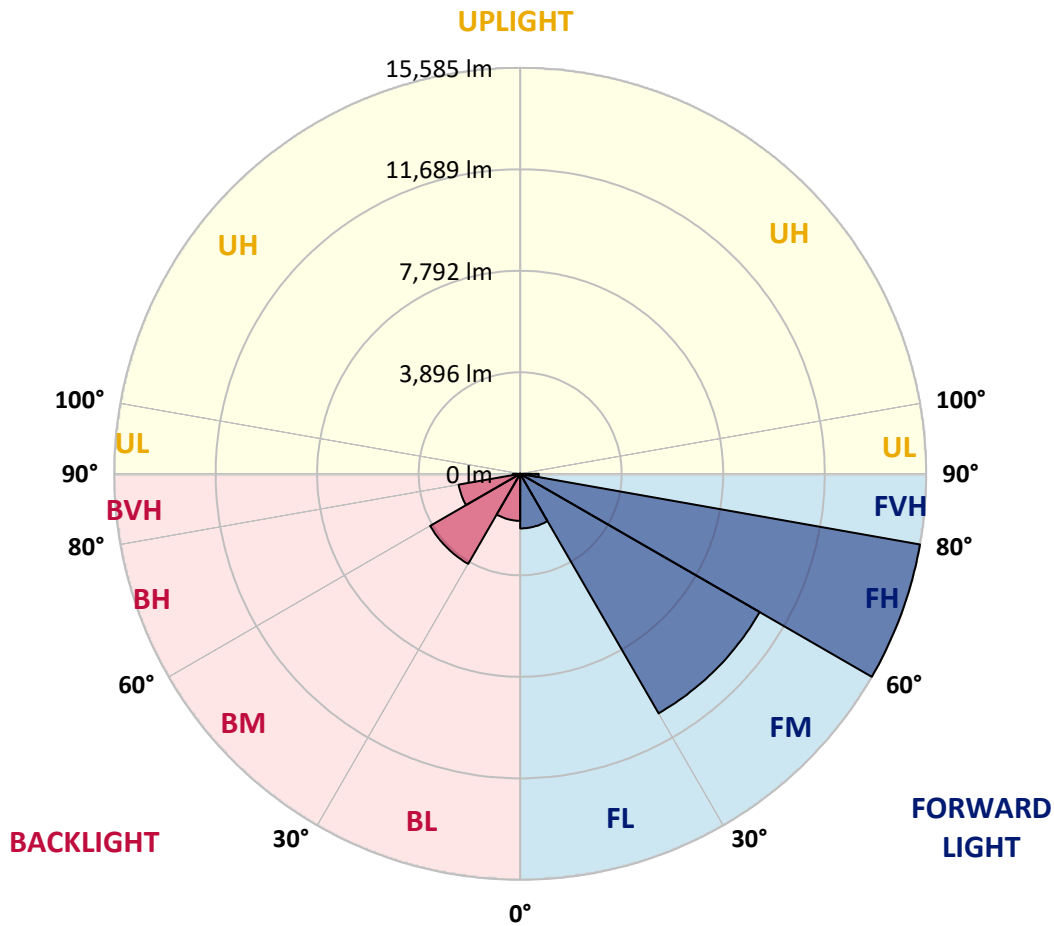
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2096.4	5.6			
FM (30°-60°)	10618.6	28.3			
FH (60°-80°)	15584.9	41.6			G5
FVH (80°-90°)	713.4	1.9			G4/750
BL (0°-30°)	1804.3	4.8	B3/2500		
BM (30°-60°)	3990.4	10.6	B3/5000		
BH (60°-80°)	2399.0	6.4	B3/2500		G3/2500
BVH (80°-90°)	281.0	0.7			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°
0°	3781.8	3781.8	3781.8	3781.8	3781.8	3781.8	3781.8	3781.8	3781.8	3781.8
2.5°	3929.9	3955.6	3931.9	3910.2	3900.3	3874.6	3872.7	3856.9	3847.0	3819.3
5°	4204.4	4238.0	4198.5	4155.1	4115.6	4052.4	4044.5	3999.0	3947.7	3888.5
7.5°	4514.5	4544.1	4498.7	4433.5	4364.4	4259.7	4257.7	4174.8	4093.8	3993.1
10°	4785.0	4824.5	4763.3	4674.4	4587.5	4469.1	4455.2	4360.4	4257.7	4127.4
12.5°	5024.0	5051.6	4992.4	4883.8	4783.1	4664.6	4646.8	4542.1	4427.6	4279.5
15°	5213.6	5249.1	5170.1	5053.6	4947.0	4830.4	4814.6	4719.9	4605.3	4449.3
17.5°	5338.0	5367.6	5286.6	5156.3	5053.6	4956.8	4945.0	4866.0	4765.3	4607.3
20°	5385.4	5417.0	5332.1	5199.7	5104.9	5029.9	5024.0	4966.7	4897.6	4753.4
22.5°	5432.8	5462.4	5351.8	5213.6	5130.6	5083.2	5081.3	5043.7	5016.1	4897.6
25°	5624.3	5632.2	5484.1	5284.7	5166.2	5124.7	5122.7	5120.7	5132.6	5039.8
27.5°	5790.2	5788.2	5661.9	5474.2	5290.6	5203.7	5201.7	5221.5	5259.0	5182.0
30°	6033.1	6011.4	5861.3	5665.8	5497.9	5363.7	5351.8	5334.0	5363.7	5302.4
32.5°	6548.6	6479.4	6236.5	5889.0	5669.8	5567.1	5551.3	5440.7	5452.5	5415.0
35°	7287.1	7196.3	6872.4	6311.6	5883.0	5736.9	5729.0	5588.8	5565.1	5531.5
37.5°	8165.9	8053.4	7676.2	6923.8	6250.4	5934.4	5922.5	5796.1	5699.4	5663.8
40°	9048.7	8906.5	8594.5	7670.3	6791.5	6264.2	6226.7	6035.1	5924.5	5865.3
42.5°	9905.8	9787.3	9520.7	8507.6	7459.0	6746.0	6663.1	6335.3	6252.3	6197.0
45°	10664.1	10557.5	10362.0	9402.2	8241.0	7401.7	7320.7	6785.5	6759.9	6759.9
47.5°	11280.3	11256.6	11049.2	10314.6	9163.2	8148.2	8008.0	7411.6	7480.7	7587.3
50°	11963.6	11898.4	11677.2	11213.1	10247.4	9003.3	8888.7	8179.8	8438.5	8730.7
52.5°	12591.5	12627.1	12380.2	12149.2	11471.8	9957.1	9755.7	9086.2	9645.1	10128.9
55°	13237.3	13239.3	13170.2	13138.6	12755.5	11011.7	10790.5	10176.3	11065.0	11665.4
57.5°	13843.6	13847.5	13950.2	14228.7	14244.5	12228.2	11977.4	11515.3	12642.9	13255.1
60°	14384.7	14412.3	14692.8	15344.5	15553.8	13622.4	13385.4	13097.1	14274.1	14890.3
62.5°	14566.4	14667.1	15291.1	16217.3	16847.3	15332.6	15099.6	14927.8	15988.3	16561.0
65°	14258.3	14489.4	15696.0	16938.2	18178.4	17364.7	17133.7	16946.1	17769.6	18308.7
67.5°	13501.9	13800.1	15672.3	17694.5	19793.8	19809.6	19594.3	19153.9	19679.2	19886.6
70°	11509.3	11955.7	14291.9	17976.9	21648.1	23153.0	22945.6	21812.1	21584.9	20581.7
72.5°	7415.5	8015.9	10523.9	15652.5	22060.9	26298.9	26287.0	24211.5	22187.3	19230.9
75°	2705.5	3072.8	4889.7	9824.8	18518.0	26138.9	26215.9	23800.7	20253.9	14854.7
77.5°	985.4	1078.3	1595.7	3775.9	11388.9	20972.8	21132.7	19027.5	14416.3	7455.0
80°	517.4	568.8	817.6	1465.3	4879.8	12455.3	12706.1	11307.9	6775.7	2245.4
82.5°	286.4	310.0	458.2	795.9	2198.0	5326.1	5476.2	4467.1	2383.6	951.9
85°	154.0	163.9	215.3	434.5	1074.3	1846.5	1887.9	1335.0	949.9	558.9
87.5°	45.4	55.3	71.1	138.2	420.6	414.7	424.6	264.6	375.2	282.4
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°
3781.8	0°	3781.8	3781.8	3781.8	3781.8	3781.8	3781.8	3781.8	3781.8	3781.8	3781.8
3811.4	2.5°	3799.6	3793.7	3771.9	3762.1	3750.2	3748.2	3758.1	3760.1	3762.1	3764.0
3854.9	5°	3835.1	3815.4	3795.6	3783.8	3787.7	3789.7	3809.5	3823.3	3833.2	3841.1
3935.8	7.5°	3904.2	3888.5	3854.9	3852.9	3858.8	3876.6	3902.3	3933.9	3951.6	3965.5
4040.5	10°	4006.9	3977.3	3937.8	3943.7	3955.6	3981.3	4034.6	4060.3	4089.9	4115.6
4168.9	12.5°	4111.6	4085.9	4040.5	4044.5	4064.2	4109.6	4161.0	4192.6	4212.3	4232.1
4307.1	15°	4247.9	4202.4	4153.1	4153.1	4188.6	4238.0	4261.7	4287.4	4299.2	4320.9
4455.2	17.5°	4388.1	4328.8	4263.7	4259.7	4303.2	4326.9	4340.7	4344.6	4348.6	4372.3
4599.4	20°	4528.3	4463.1	4370.3	4362.4	4372.3	4368.3	4366.4	4362.4	4368.3	4398.0
4747.5	22.5°	4666.5	4591.5	4463.1	4427.6	4399.9	4362.4	4360.4	4358.5	4362.4	4392.0
4907.5	25°	4828.5	4737.6	4565.8	4459.2	4366.4	4315.0	4320.9	4322.9	4326.9	4350.6
5073.4	27.5°	5004.2	4903.5	4660.6	4449.3	4281.4	4245.9	4236.0	4241.9	4255.8	4293.3
5239.2	30°	5180.0	5061.5	4747.5	4409.8	4174.8	4125.4	4093.8	4107.7	4151.1	4188.6
5383.4	32.5°	5340.0	5221.5	4816.6	4322.9	4038.5	3961.5	3920.0	3937.8	3981.3	3995.1
5543.4	35°	5527.6	5393.3	4846.2	4184.7	3890.4	3771.9	3716.6	3691.0	3712.7	3698.9
5731.0	37.5°	5736.9	5596.7	4842.3	4003.0	3716.6	3580.4	3503.4	3406.6	3361.2	3313.8
6007.4	40°	6046.9	5845.5	4794.9	3783.8	3501.4	3377.0	3238.7	3074.8	2972.1	2879.3
6453.8	42.5°	6469.6	6191.1	4708.0	3542.9	3258.5	3142.0	2954.4	2762.8	2600.9	2446.8
7131.1	45°	7099.5	6643.3	4599.4	3286.1	2995.8	2881.3	2677.9	2462.6	2279.0	2081.5
8092.9	47.5°	8008.0	7251.6	4496.7	2993.9	2719.3	2614.7	2431.0	2231.6	2014.3	1822.8
9483.2	50°	9256.1	8124.5	4401.9	2709.5	2446.8	2367.8	2221.7	2018.3	1799.1	1645.0
11112.4	52.5°	10843.8	9311.3	4362.4	2435.0	2192.1	2162.4	2045.9	1856.3	1649.0	1518.6
13012.2	55°	12666.6	10731.3	4362.4	2172.3	1968.9	1978.8	1897.8	1722.1	1542.3	1425.8
14971.2	57.5°	14526.9	12168.9	4283.4	1929.4	1779.3	1820.8	1769.5	1615.4	1453.5	1333.0
17031.0	60°	16241.0	13373.6	3963.5	1708.2	1611.5	1676.6	1643.1	1510.7	1313.3	1212.5
18753.0	62.5°	17558.3	14052.9	3347.3	1532.5	1473.2	1548.3	1530.5	1372.5	1287.6	1246.1
20167.0	65°	18217.9	13942.3	2559.4	1376.5	1356.7	1473.2	1435.7	1429.8	1362.6	1315.2
20627.2	67.5°	17813.0	12990.5	1856.3	1261.9	1289.6	1404.1	1548.3	1572.0	1447.6	1354.7
19331.7	70°	16037.6	11268.4	1382.4	1153.3	1204.6	1406.1	1765.5	1645.0	1419.9	1311.3
15504.4	72.5°	12200.5	8402.9	1072.3	1038.8	1094.1	1416.0	1862.3	1611.5	1340.9	1449.5
9658.9	75°	6977.1	4613.2	861.0	898.6	955.8	1323.1	1812.9	1524.6	1279.7	1331.0
3827.2	77.5°	2660.1	1773.4	710.9	760.3	768.2	1155.3	1733.9	1518.6	1218.5	1188.9
1147.4	80°	922.2	693.2	588.5	604.3	594.4	1026.9	1662.8	1321.2	997.3	892.6
474.0	82.5°	377.2	345.6	466.1	446.3	422.6	797.8	1342.9	1080.2	815.6	720.8
229.1	85°	163.9	219.2	308.1	270.6	244.9	553.0	1076.3	914.3	689.2	594.4
75.0	87.5°	33.6	82.9	130.3	122.4	126.4	369.3	764.3	649.7	487.8	365.3
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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180°
3781.8
3771.9
3845.0
3969.4
4109.6
4240.0
4328.8
4380.2
4409.8
4411.8
4382.2
4330.8
4230.1
4044.5
3742.3
3343.4
2885.2
2433.0
2057.8
1801.0
1635.2
1508.8
1414.0
1313.3
1196.8
1232.3
1299.4
1338.9
1293.5
1437.7
1331.0
1084.2
863.0
712.9
592.5
286.4
0.0

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