

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: P942342

Luminaire Tested: **GALN-SB6B-760-U-SL4**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942342
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB6B-760-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 5700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 35811 lumens
Efficiency: N/A
Efficacy: 162.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B4 - U0 - G5

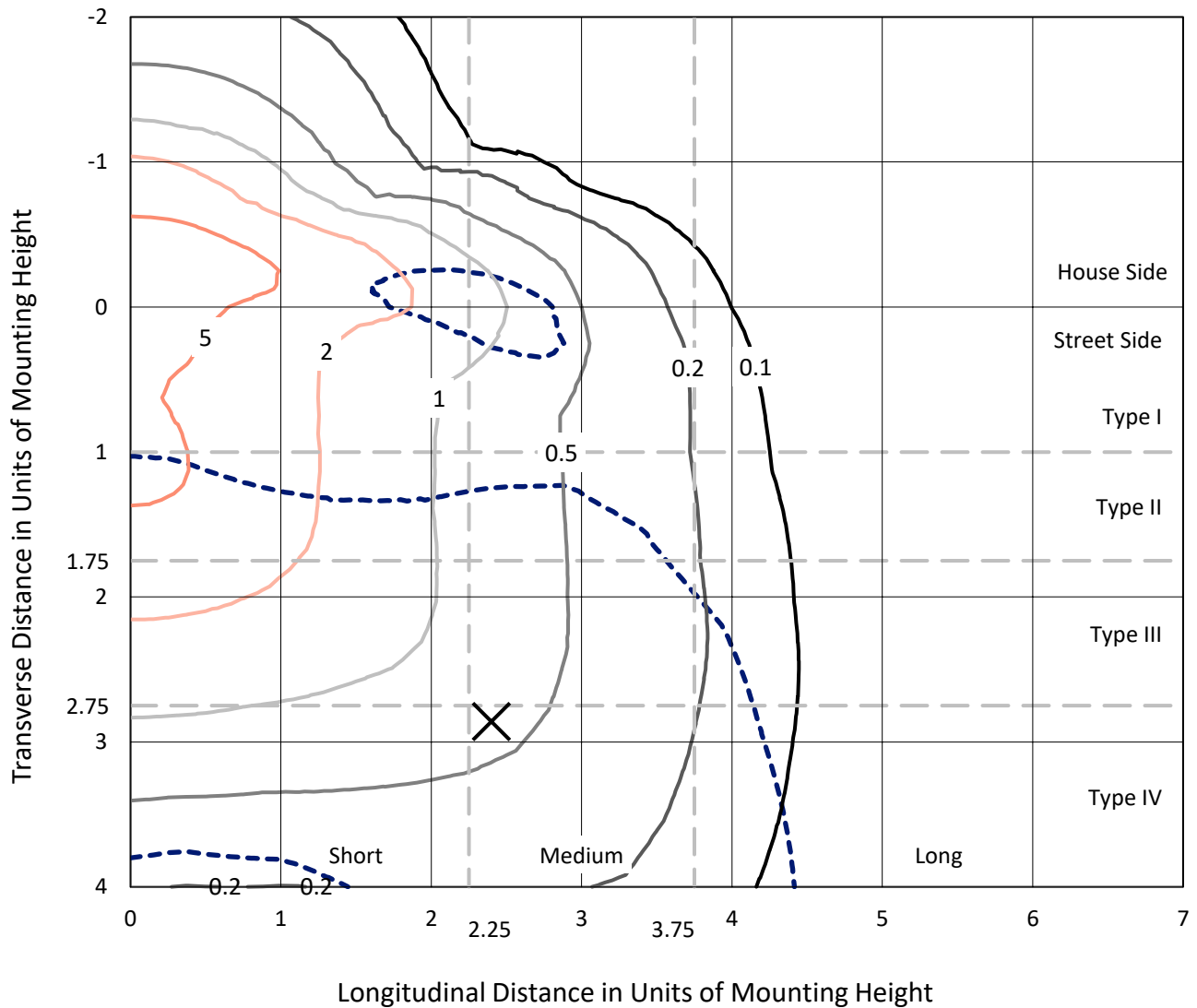
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P942342
 CATALOG NUMBER: GALN-SB6B-760-U-SL4

Iso-Footcandle Lines of Horizontal Illumination

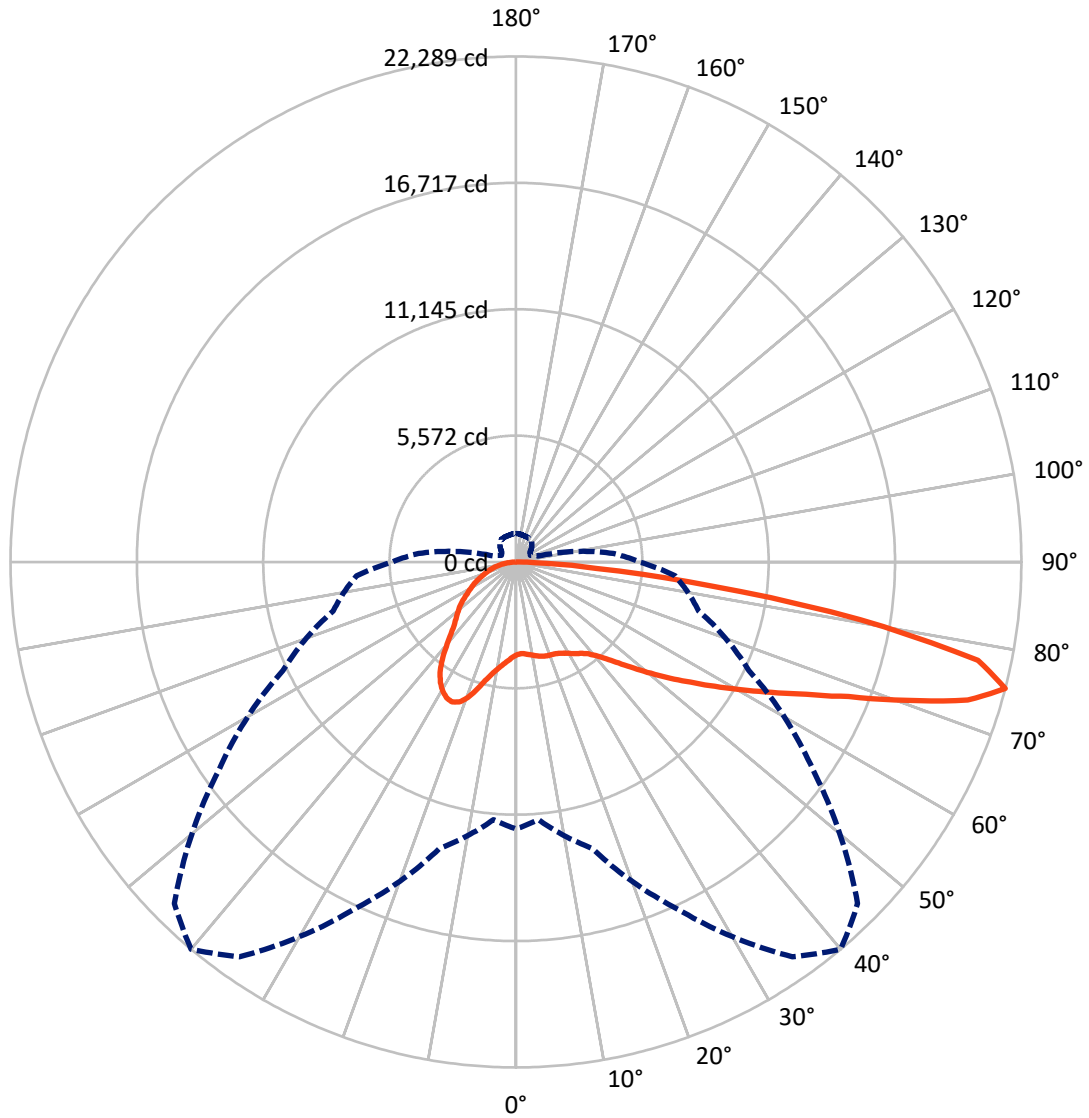
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.5 fc
 Type IV - Medium - N/A

REPORT NUMBER: P942342
CATALOG NUMBER: GALN-SB6B-760-U-SL4

Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

REPORT NUMBER: P942342

CATALOG NUMBER: GALN-SB6B-760-U-SL4

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11095.4	0.0	11095.4
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	24715.6	0.0	24715.6
	% Fixture	69.0	0.0	69.0
Total	Lumens	35811.0	0.0	35811.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	408.8	1.1
10°-20°	1372.4	3.8
20°-30°	2505.9	7.0
30°-40°	3554.0	9.9
40°-50°	4799.0	13.4
50°-60°	6456.0	18.0
60°-70°	8194.1	22.9
70°-80°	7436.7	20.8
80°-90°	1084.0	3.0
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°	35811.0	100.0
0°-180°	35811.0	100.0

Coefficient of Utilization



REPORT NUMBER: P942342

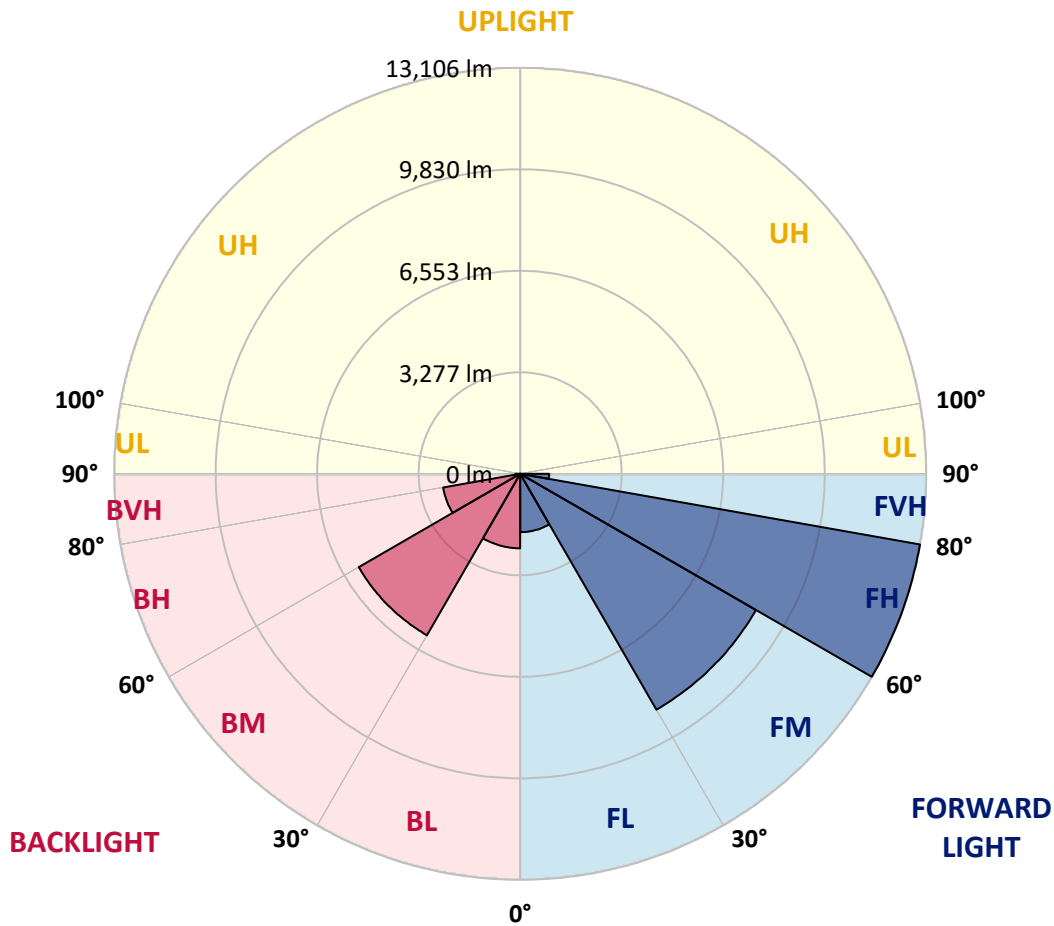
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1883.7	5.3			
FM (30°-60°)	8790.8	24.5			
FH (60°-80°)	13106.3	36.6			G5
FVH (80°-90°)	934.8	2.6			G5
BL (0°-30°)	2403.4	6.7	B3/2500		
BM (30°-60°)	6018.3	16.8	B4/8500		
BH (60°-80°)	2524.5	7.0	B4/5000		G4/5000
BVH (80°-90°)	149.3	0.4			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5

Type IV Medium



REPORT NUMBER: P942342
 CATALOG NUMBER: GALN-SB6B-760-U-SL4

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	4095.0	4095.0	4095.0	4095.0	4095.0	4095.0	4095.0	4095.0	4095.0	4095.0
2.5°	4032.4	4055.1	4049.5	4041.9	4041.9	4043.8	4041.9	4055.1	4068.4	4081.7
5°	4074.1	4096.9	4085.5	4076.0	4068.4	4066.5	4060.8	4058.9	4066.5	4083.6
7.5°	4155.8	4178.6	4161.5	4144.4	4129.2	4121.6	4114.0	4102.6	4096.9	4106.4
10°	4247.0	4269.8	4248.9	4218.5	4193.8	4184.3	4176.7	4165.3	4157.7	4163.4
12.5°	4338.2	4360.9	4332.5	4290.7	4258.4	4252.7	4243.2	4239.4	4237.5	4235.6
15°	4423.6	4442.6	4406.5	4357.1	4323.0	4313.5	4304.0	4309.7	4319.2	4330.6
17.5°	4490.1	4509.1	4455.9	4391.3	4359.0	4355.2	4349.6	4368.5	4395.1	4423.6
20°	4550.9	4569.9	4501.5	4414.1	4376.1	4376.1	4378.0	4417.9	4455.9	4497.7
22.5°	4636.4	4651.6	4568.0	4448.3	4393.2	4397.0	4412.2	4452.1	4499.6	4556.6
25°	4763.6	4775.0	4672.4	4512.9	4450.2	4461.6	4474.9	4493.9	4539.5	4606.0
27.5°	4968.7	4978.2	4843.4	4626.9	4531.9	4550.9	4569.9	4556.6	4577.5	4634.5
30°	5257.4	5263.1	5092.2	4805.4	4670.5	4680.0	4683.8	4628.8	4588.9	4634.5
32.5°	5599.3	5597.4	5394.2	5021.9	4828.2	4818.7	4786.4	4678.1	4585.1	4625.0
35°	6129.3	6108.4	5846.3	5325.8	5006.7	4947.9	4871.9	4733.2	4604.1	4615.5
37.5°	7006.8	6942.2	6579.4	5823.5	5272.6	5122.6	5010.5	4822.5	4645.9	4611.7
40°	7996.3	7914.7	7515.8	6505.3	5671.5	5430.3	5249.9	4949.8	4714.2	4628.8
42.5°	9170.1	9054.3	8625.0	7308.8	6176.7	5827.3	5555.6	5111.2	4814.9	4683.8
45°	10611.8	10457.9	9850.1	8214.8	6813.0	6347.7	5984.9	5356.2	4968.7	4790.2
47.5°	12068.6	12106.6	11242.4	9251.8	7576.6	6989.7	6522.4	5724.7	5192.9	4961.1
50°	13616.6	13643.2	12627.0	10400.9	8442.7	7715.2	7126.4	6136.9	5504.4	5204.3
52.5°	14824.6	14828.4	13884.4	11603.2	9344.9	8513.0	7777.9	6607.9	5865.2	5527.2
55°	15580.5	15571.0	14765.7	12741.0	10381.9	9350.6	8499.7	7143.5	6305.9	5907.0
57.5°	16129.4	16100.9	15373.5	13719.1	11487.4	10340.2	9316.4	7751.3	6826.3	6359.1
60°	16338.4	16321.3	15785.6	14564.3	12649.8	11434.2	10258.5	8431.3	7417.0	6892.8
62.5°	16418.1	16450.4	16190.2	15383.0	13893.9	12646.0	11293.6	9244.2	8081.8	7496.8
65°	16699.2	16758.1	16704.9	16454.2	15299.4	14064.8	12666.9	10211.0	8807.4	8144.5
67.5°	17255.8	17314.6	17337.4	17736.3	17016.4	15833.1	14380.1	11415.2	9656.4	8816.9
70°	17242.5	17225.4	17628.0	18756.3	19166.5	18281.4	16689.7	12896.7	10668.7	9375.3
72.5°	15694.5	15557.7	16509.3	18744.9	20955.7	20838.0	19510.3	14807.5	11542.5	9443.7
75°	11774.2	11409.5	13090.4	16893.0	21253.9	22289.1	21303.3	15992.7	11335.4	8343.9
77.5°	5035.2	4668.6	6649.7	12505.4	19022.2	20836.1	19658.4	13952.8	9048.6	5517.7
80°	1318.2	1316.3	2009.5	5669.6	12936.6	15386.8	13498.8	9010.6	5170.1	1971.5
82.5°	545.1	531.8	738.9	2205.2	6321.1	8634.5	7046.7	4019.1	1867.1	533.7
85°	203.2	201.3	359.0	761.6	2229.9	3561.3	2577.4	1027.6	465.3	260.2
87.5°	57.0	55.1	77.9	264.0	543.2	824.3	440.7	169.0	131.1	102.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P942342
 CATALOG NUMBER: GALN-SB6B-760-U-SL4

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
4095.0	0°	4095.0	4095.0	4095.0	4095.0	4095.0	4095.0	4095.0	4095.0	4095.0	4095.0
4102.6	2.5°	4108.3	4117.8	4134.9	4148.2	4165.3	4184.3	4210.9	4228.0	4245.1	4256.5
4112.1	5°	4125.4	4146.3	4190.0	4233.7	4285.0	4332.5	4387.5	4427.4	4459.7	4469.2
4146.3	7.5°	4163.4	4197.6	4271.7	4345.8	4427.4	4505.3	4585.1	4653.4	4708.5	4729.4
4207.1	10°	4229.9	4275.5	4379.9	4484.4	4592.7	4712.3	4814.9	4913.7	4991.5	5023.8
4279.3	12.5°	4313.5	4370.4	4507.2	4651.6	4801.6	4966.8	5099.8	5221.4	5318.2	5361.9
4379.9	15°	4421.7	4495.8	4670.5	4864.3	5084.6	5314.4	5483.5	5618.3	5726.6	5779.8
4484.4	17.5°	4539.5	4638.3	4858.6	5151.1	5466.4	5768.4	5965.9	6064.7	6176.7	6228.0
4581.3	20°	4653.4	4775.0	5090.3	5515.8	5935.5	6256.5	6416.1	6442.7	6450.3	6455.9
4672.4	22.5°	4771.2	4934.6	5380.9	5975.4	6425.6	6647.8	6670.6	6556.6	6397.1	6323.0
4761.7	25°	4900.4	5116.9	5760.8	6482.5	6847.2	6873.8	6699.1	6421.8	6119.8	5981.1
4833.9	27.5°	5025.7	5327.7	6216.6	6966.9	7151.1	6917.5	6541.4	6148.3	5783.6	5637.3
4885.2	30°	5151.1	5568.9	6720.0	7390.4	7289.8	6809.2	6292.6	5853.8	5487.3	5333.4
4930.8	32.5°	5278.3	5850.1	7299.3	7696.2	7265.1	6579.4	5983.0	5523.4	5200.5	5039.0
4970.6	35°	5422.7	6195.7	7848.2	7863.4	7099.8	6241.3	5574.6	5128.3	4847.2	4718.0
5018.1	37.5°	5610.7	6634.5	8332.5	7905.2	6811.1	5745.6	5067.5	4661.0	4429.3	4370.4
5088.4	40°	5844.4	7162.5	8702.9	7838.7	6383.8	5143.5	4512.9	4188.1	4057.0	4070.3
5183.4	42.5°	6148.3	7753.2	8963.1	7667.7	5789.3	4522.4	4026.7	3882.3	3945.0	3998.2
5325.8	45°	6543.3	8366.7	9124.6	7377.1	5116.9	3996.3	3739.9	3774.0	3821.5	3827.2
5555.6	47.5°	7048.6	8987.8	9230.9	6938.4	4431.2	3625.9	3557.5	3565.1	3555.6	3515.7
5899.4	50°	7679.1	9591.8	9325.9	6357.2	3848.1	3394.2	3303.0	3276.4	3145.4	3016.2
6357.2	52.5°	8397.1	10146.4	9365.8	5635.4	3394.2	3200.4	3052.3	2885.1	2640.1	2600.2
6932.7	55°	9194.8	10659.2	9263.2	4748.4	3012.4	2951.6	2727.5	2526.2	2499.6	2465.4
7690.5	57.5°	10148.3	11212.0	9054.3	3758.8	2621.1	2661.0	2442.6	2465.4	2417.9	2364.7
8664.9	60°	11191.1	11783.7	8687.7	2856.6	2216.6	2298.2	2368.5	2366.6	2353.3	2309.6
9692.5	62.5°	12129.4	12159.7	7965.9	2188.1	1861.4	2017.1	2209.0	2207.1	2195.7	2171.0
10765.6	65°	12687.8	12102.8	6761.7	1722.7	1568.9	1785.4	1992.4	2007.6	2009.5	2007.6
11572.8	67.5°	12589.0	11436.1	5109.3	1371.3	1327.7	1549.9	1777.8	1798.7	1813.9	1817.7
11675.4	70°	11472.2	9971.7	3331.5	1094.0	1113.0	1342.9	1574.6	1595.5	1608.8	1624.0
10131.2	72.5°	8942.2	7331.6	1907.0	885.1	925.0	1164.3	1373.2	1397.9	1405.5	1434.0
7050.5	75°	5449.3	4311.6	1029.5	697.1	759.7	995.3	1173.8	1202.3	1215.6	1249.8
3462.5	77.5°	2590.7	1867.1	586.9	543.2	611.6	812.9	991.5	1023.8	987.7	1006.7
955.4	80°	875.6	693.3	370.4	414.1	467.2	634.4	793.9	826.2	750.3	746.5
317.2	82.5°	305.8	281.1	235.5	275.4	302.0	453.9	600.2	642.0	558.4	556.5
142.5	85°	119.7	114.0	131.1	150.1	180.4	279.2	395.1	416.0	343.8	277.3
41.8	87.5°	24.7	26.6	32.3	34.2	55.1	96.9	142.5	174.7	138.7	117.8
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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180°
4095.0
4248.9
4473.0
4731.3
5025.7
5361.9
5776.0
6226.1
6471.1
6343.9
6002.0
5654.4
5350.5
5059.9
4746.5
4412.2
4115.9
4047.6
3865.2
3546.1
3033.3
2613.5
2471.1
2355.2
2294.4
2161.5
2007.6
1821.5
1631.6
1445.4
1253.6
991.5
738.9
529.9
273.5
108.3
0.0

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