

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: STREETWORKS

Report Number: P853005

Luminaire Tested: **GLAN-SB8A-730-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P853005
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB8A-730-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 70 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 34631 lumens
Efficiency: N/A
Efficacy: 152.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

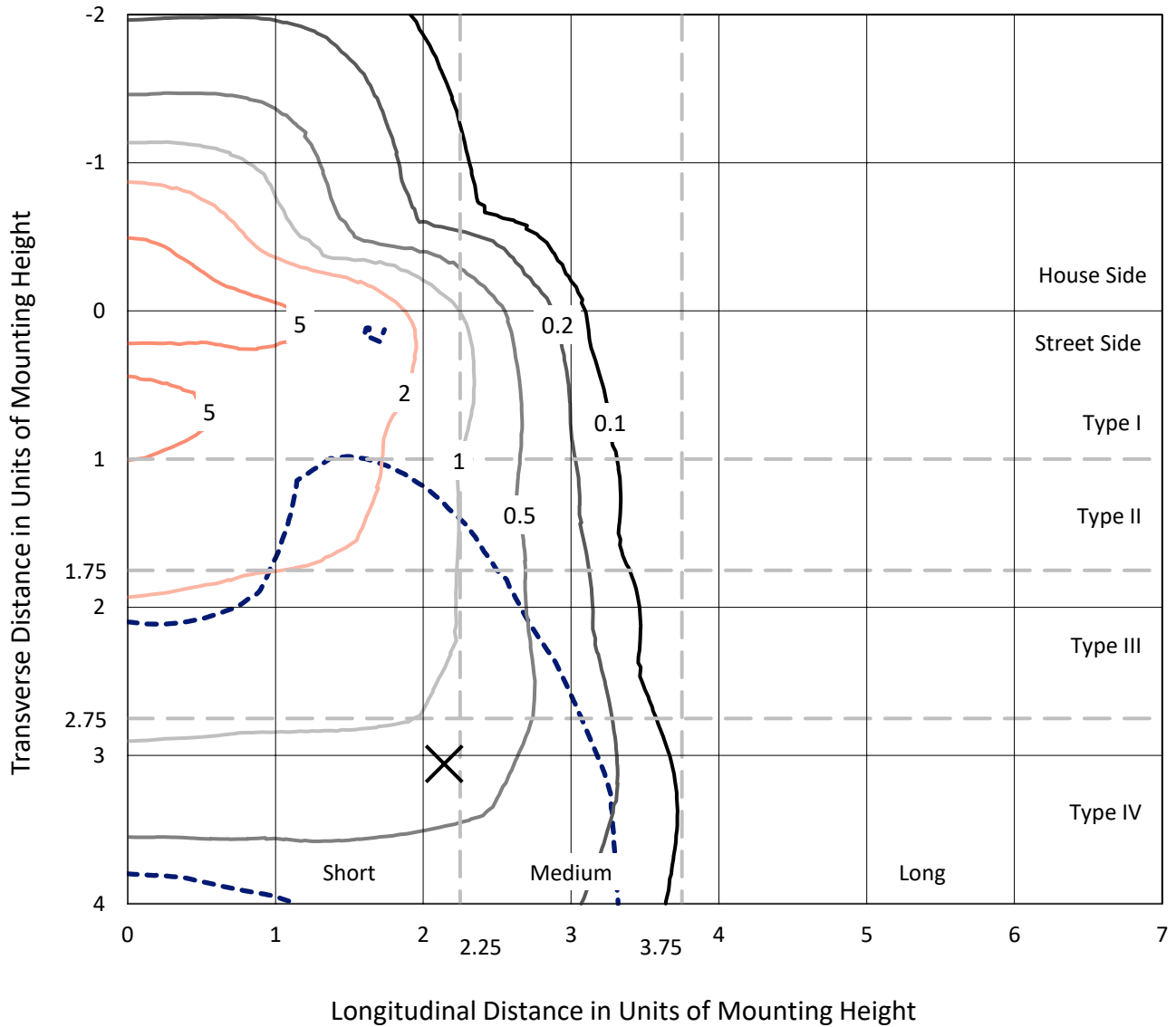
Input Watts (W): 227.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P853005
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Iso-Footcandle Lines of Horizontal Illumination

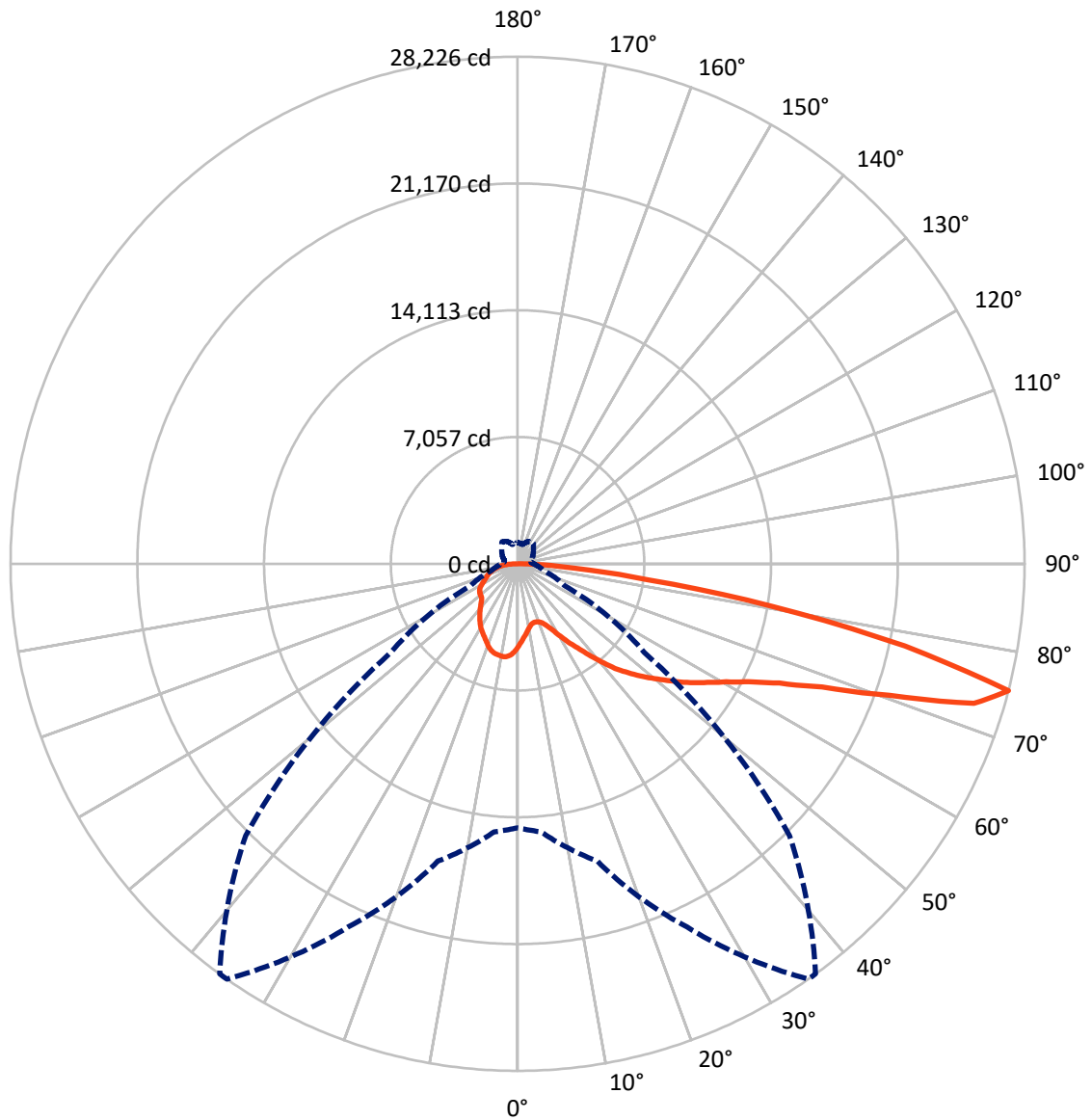
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.2 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8241.3	0.0	8241.3
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	26389.7	0.0	26389.7
	% Fixture	76.2	0.0	76.2
Total	Lumens	34631.0	0.0	34631.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	436.9	1.3
10°-20°	1260.3	3.6
20°-30°	2116.4	6.1
30°-40°	3289.1	9.5
40°-50°	4882.0	14.1
50°-60°	6739.8	19.5
60°-70°	8176.9	23.6
70°-80°	6757.6	19.5
80°-90°	972.0	2.8
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°	34631.0	100.0
0°-180°	34631.0	100.0

Coefficient of Utilization



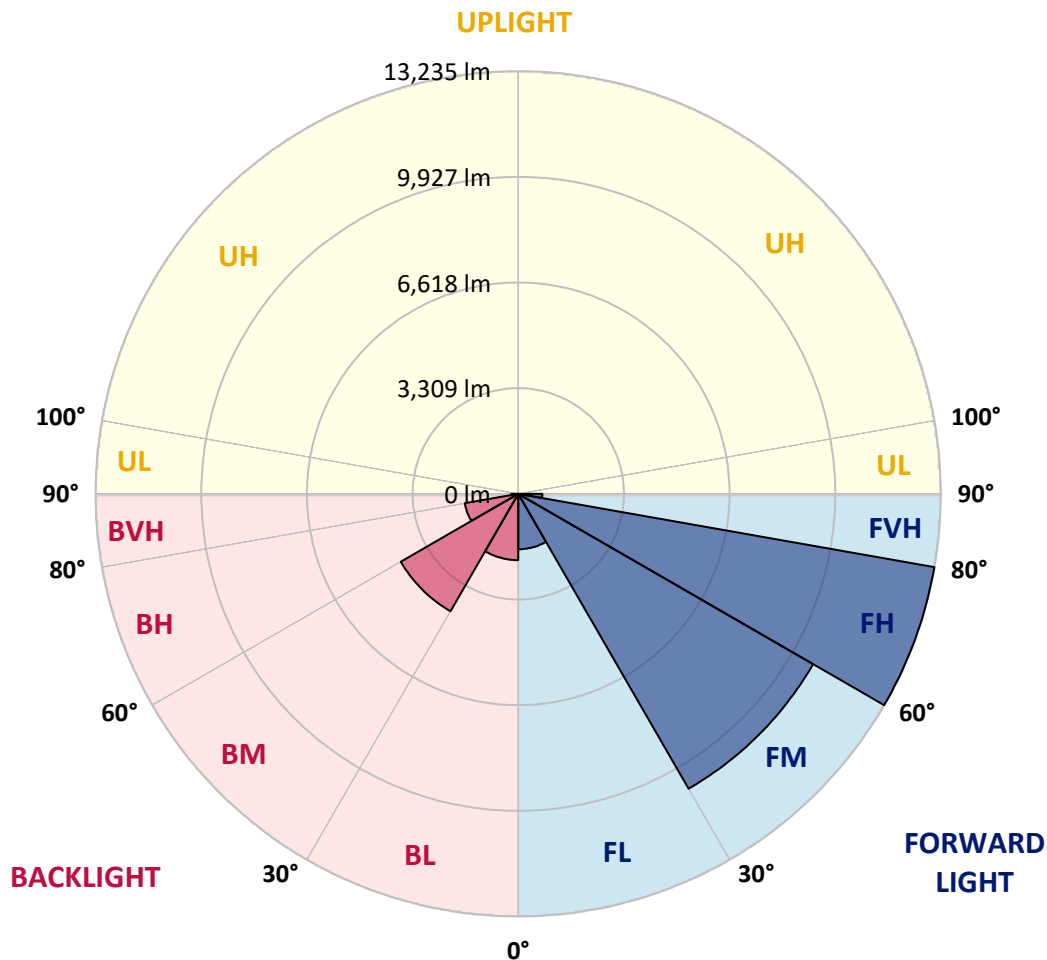
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1736.7	5.0			
FM (30°-60°)	10664.5	30.8			
FH (60°-80°)	13235.5	38.2			G5
FVH (80°-90°)	753.1	2.2			G5
BL (0°-30°)	2076.9	6.0	B3/2500		
BM (30°-60°)	4246.4	12.3	B3/5000		
BH (60°-80°)	1699.1	4.9	B3/2500		G3/2500
BVH (80°-90°)	218.9	0.6			G2/225
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



REPORT NUMBER: P853005
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	4614.8	4614.8	4614.8	4614.8	4614.8	4614.8	4614.8	4614.8	4614.8	4614.8
2.5°	4255.4	4281.6	4292.8	4287.2	4315.3	4311.5	4350.8	4399.5	4466.9	4532.4
5°	3927.7	3955.8	3980.2	4002.6	4056.9	4073.8	4135.5	4229.2	4352.7	4478.1
7.5°	3622.6	3646.9	3684.4	3725.6	3817.3	3834.1	3937.1	4083.1	4255.4	4438.8
10°	3373.6	3397.9	3437.2	3484.0	3598.2	3618.8	3749.9	3944.6	4169.2	4401.4
12.5°	3266.9	3274.4	3296.8	3343.6	3442.9	3456.0	3600.1	3822.9	4085.0	4373.3
15°	3261.3	3276.2	3278.1	3302.4	3384.8	3390.4	3523.4	3744.3	4032.6	4367.7
17.5°	3317.4	3328.7	3311.8	3326.8	3396.1	3405.4	3510.3	3706.8	4015.7	4392.0
20°	3467.2	3476.6	3426.0	3405.4	3456.0	3463.5	3566.4	3731.2	4032.6	4442.6
22.5°	3785.5	3791.1	3667.5	3583.3	3587.0	3590.8	3680.6	3830.4	4098.1	4534.3
25°	4281.6	4277.8	4081.3	3918.4	3824.8	3804.2	3864.1	3991.4	4208.6	4656.0
27.5°	4861.9	4833.9	4637.3	4393.9	4189.8	4159.9	4146.8	4201.1	4365.8	4817.0
30°	5517.2	5491.0	5279.4	4961.2	4678.5	4629.8	4506.2	4478.1	4599.8	5036.0
32.5°	6236.1	6219.2	5966.5	5580.8	5202.7	5146.5	4938.7	4863.8	4959.3	5367.4
35°	6838.9	6823.9	6614.3	6217.4	5754.9	5685.7	5474.1	5389.9	5438.6	5792.4
37.5°	7383.7	7376.2	7196.5	6883.8	6406.4	6322.2	6084.4	6056.4	6047.0	6352.2
40°	7889.2	7870.5	7683.2	7518.5	7164.7	7087.9	6878.2	6853.9	6782.7	7041.1
42.5°	8448.9	8400.3	8128.8	8052.1	7956.6	7892.9	7767.5	7771.2	7614.0	7818.0
45°	8905.8	8877.7	8598.7	8553.8	8656.8	8630.5	8739.1	8767.2	8462.1	8632.4
47.5°	9396.3	9370.0	9134.2	9102.3	9381.3	9388.8	9772.5	9781.9	9289.5	9478.6
50°	10001.0	9963.5	9729.5	9768.8	10081.5	10109.5	10811.6	10747.9	10051.5	10337.9
52.5°	10399.7	10422.2	10371.6	10435.3	10862.1	10888.3	11833.8	11670.9	10806.0	11186.0
55°	10693.6	10738.6	10895.8	11041.9	11685.9	11712.1	12797.9	12548.9	11431.3	11972.3
57.5°	11071.8	11008.2	11302.1	11586.6	12468.4	12537.7	13735.9	13395.1	11985.4	12650.0
60°	11614.7	11569.8	11798.2	12219.4	13344.6	13455.0	14728.1	14157.1	12391.7	13187.3
62.5°	12715.5	12603.2	12638.8	13011.3	14449.1	14595.2	15847.6	14821.7	12593.9	13397.0
65°	14361.2	14168.3	13988.6	14247.0	16004.9	16149.0	17111.3	15344.0	12519.0	12990.8
67.5°	16433.6	16242.7	16021.7	16265.1	18296.4	18410.6	18670.8	15638.0	11929.3	11425.6
70°	18142.9	18071.7	18335.7	19337.3	21956.4	21960.2	20670.3	15394.6	10313.6	8100.7
72.5°	17916.3	17873.3	19264.3	22360.8	26569.4	26470.1	22563.0	13552.4	6947.5	3654.4
75°	14698.1	14977.1	17131.9	22306.5	28226.2	28213.1	21404.1	8615.6	2873.7	1514.6
77.5°	7881.7	8323.5	11122.4	16469.2	22035.0	22366.4	15048.2	3014.1	1233.7	969.8
80°	2570.4	2956.1	4433.2	8385.3	14318.1	14256.3	6449.5	1183.2	844.3	687.1
82.5°	1091.5	1136.4	1980.7	3959.6	7348.1	7233.9	2053.7	679.6	593.5	469.9
85°	426.8	477.4	874.3	1830.9	3182.6	3113.4	741.4	337.0	380.0	307.0
87.5°	140.4	170.4	312.6	627.2	990.4	954.8	181.6	116.1	164.7	140.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P853005
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CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
4614.8	0°	4614.8	4614.8	4614.8	4614.8	4614.8	4614.8	4614.8	4614.8	4614.8	4614.8
4627.9	2.5°	4654.1	4684.1	4719.7	4772.1	4817.0	4854.4	4893.8	4918.1	4927.5	4955.5
4635.4	5°	4687.8	4753.4	4841.3	4927.5	5011.7	5062.3	5107.2	5129.7	5150.2	5165.2
4656.0	7.5°	4744.0	4828.2	4966.8	5079.1	5150.2	5191.4	5221.4	5213.9	5221.4	5225.1
4678.5	10°	4792.7	4910.6	5075.4	5182.1	5236.4	5238.2	5230.7	5204.5	5191.4	5193.3
4712.2	12.5°	4850.7	4981.8	5159.6	5249.5	5264.4	5223.3	5191.4	5146.5	5129.7	5122.2
4762.7	15°	4929.3	5079.1	5251.3	5285.0	5247.6	5195.2	5140.9	5067.9	5030.4	5000.5
4848.8	17.5°	5024.8	5189.6	5322.5	5298.1	5217.6	5131.5	5043.5	4933.1	4856.3	4824.5
4966.8	20°	5157.7	5305.6	5376.8	5270.1	5148.4	5017.3	4867.6	4732.8	4661.6	4629.8
5116.5	22.5°	5318.7	5461.0	5429.2	5221.4	5049.2	4839.5	4652.3	4553.0	4517.5	4495.0
5309.4	25°	5511.6	5633.3	5466.6	5150.2	4886.3	4603.6	4459.4	4427.6	4410.8	4393.9
5545.3	27.5°	5762.4	5828.0	5494.7	5045.4	4631.7	4352.7	4300.3	4305.9	4300.3	4272.2
5872.9	30°	6093.8	6080.7	5520.9	4875.0	4339.6	4126.2	4129.9	4154.3	4158.0	4139.3
6329.7	32.5°	6530.0	6397.1	5534.0	4654.1	4060.7	3927.7	3931.5	3957.7	3976.4	3944.6
6926.9	35°	7058.0	6765.9	5513.4	4377.1	3845.4	3738.7	3710.6	3718.1	3723.7	3693.7
7651.4	37.5°	7673.9	7179.6	5421.7	4070.0	3667.5	3553.3	3493.4	3442.9	3412.9	3384.8
8471.4	40°	8349.7	7630.8	5253.2	3770.5	3469.1	3356.7	3266.9	3171.4	3070.3	3032.9
9340.1	42.5°	9057.4	8095.1	5049.2	3484.0	3240.7	3148.9	3053.5	2914.9	2763.3	2686.5
10242.5	45°	9791.3	8570.6	4848.8	3201.4	3006.7	2967.3	2856.9	2690.3	2525.5	2428.2
11146.7	47.5°	10510.2	9020.0	4554.9	2916.8	2787.6	2830.7	2744.6	2591.0	2407.6	2254.1
12043.5	50°	11197.2	9441.2	4073.8	2628.5	2609.8	2789.5	2707.1	2486.2	2276.5	2079.9
12923.4	52.5°	11878.7	9781.9	3457.8	2366.4	2514.3	2778.2	2658.4	2415.1	2158.6	1952.6
13750.8	55°	12457.2	9957.9	2864.4	2141.7	2375.7	2682.8	2600.4	2330.8	1992.0	1772.9
14318.1	57.5°	12786.7	9815.6	2370.1	1920.8	2184.8	2525.5	2501.2	2151.1	1793.5	1625.0
14428.6	60°	12644.4	9239.0	1965.7	1728.0	2003.2	2355.1	2328.9	1973.2	1641.9	1482.7
13837.0	62.5°	11860.0	8140.0	1645.6	1559.5	1838.4	2181.0	2156.7	1836.6	1525.8	1372.3
12266.2	65°	10279.9	6621.7	1396.6	1419.1	1671.8	1971.4	2006.9	1722.4	1434.1	1284.3
9489.9	67.5°	7840.5	4796.4	1201.9	1297.4	1508.9	1765.4	1868.4	1640.0	1357.3	1215.0
5491.0	70°	4468.8	2724.0	1037.2	1179.4	1364.8	1574.5	1761.7	1574.5	1274.9	1157.0
2057.5	72.5°	1694.3	1250.6	896.8	1061.5	1226.2	1413.5	1643.7	1471.5	1179.4	1091.5
1063.4	75°	904.2	762.0	754.5	923.0	1067.1	1256.2	1495.8	1370.4	1108.3	1153.2
735.7	77.5°	615.9	539.2	630.9	790.0	893.0	1082.1	1338.6	1216.9	960.4	956.7
509.2	80°	426.8	381.9	513.0	636.5	690.8	909.9	1168.2	1044.7	782.6	730.1
314.5	82.5°	256.5	249.0	383.8	475.5	488.6	702.1	967.9	876.2	640.3	557.9
187.2	85°	140.4	147.9	245.2	278.9	284.6	490.5	758.2	677.7	492.4	413.7
67.4	87.5°	39.3	50.5	89.9	110.5	136.7	254.6	451.2	402.5	247.1	172.2
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°
4614.8
4953.7
5169.0
5230.7
5197.0
5118.4
5009.8
4826.4
4626.0
4498.7
4393.9
4277.8
4148.7
3959.6
3714.3
3403.5
3049.7
2695.9
2420.7
2237.2
2063.1
1930.2
1754.2
1602.5
1460.3
1347.9
1259.9
1192.6
1142.0
1076.5
1190.7
881.8
698.3
561.6
417.5
172.2
0.0

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