

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: P852993

Luminaire Tested: **GLAN-SB7D-930-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852993
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-SB7D-930-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 90 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 48256 lumens
Efficiency: N/A
Efficacy: 94.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B4 - U0 - G5

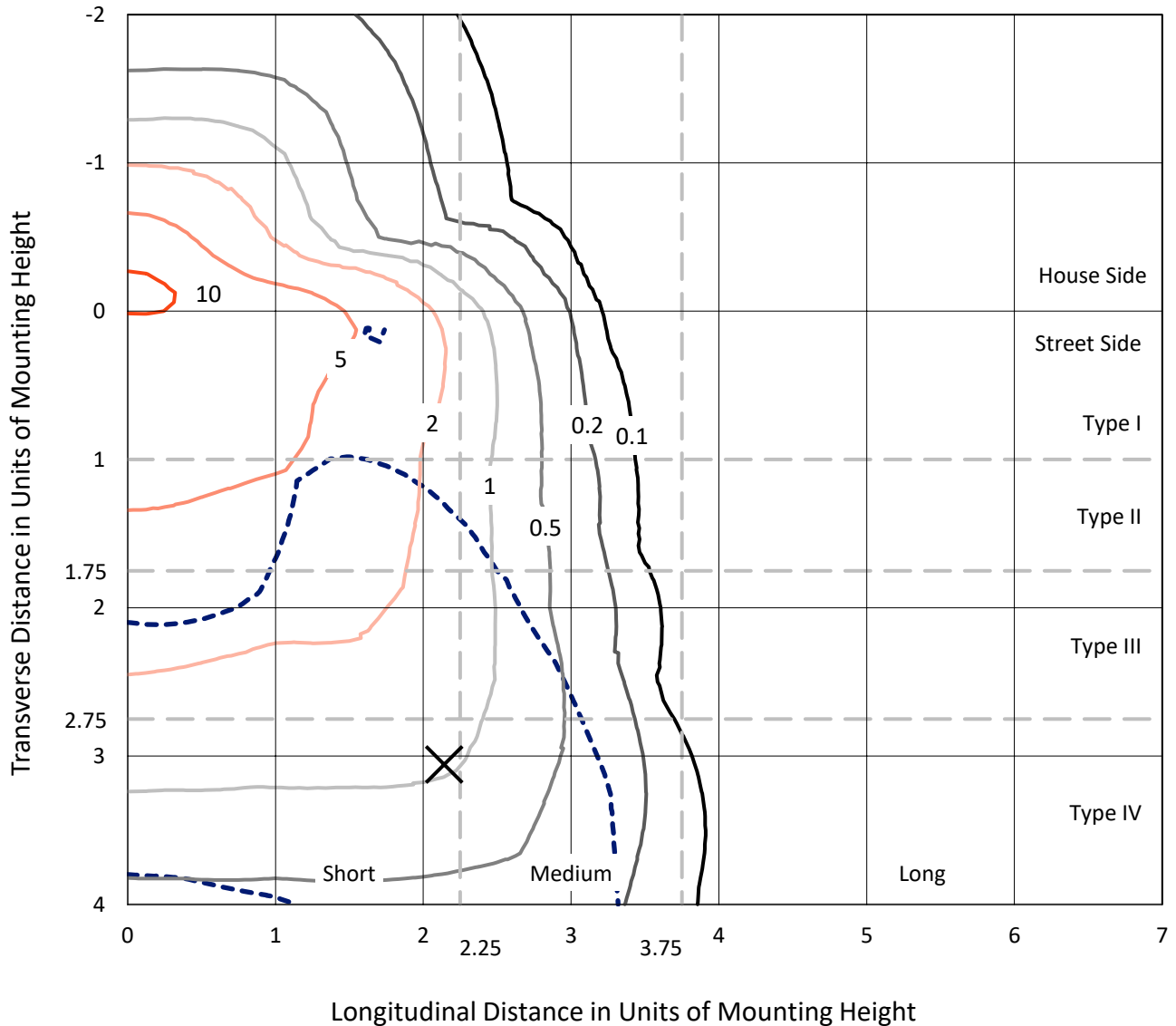
Input Watts (W): 512.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

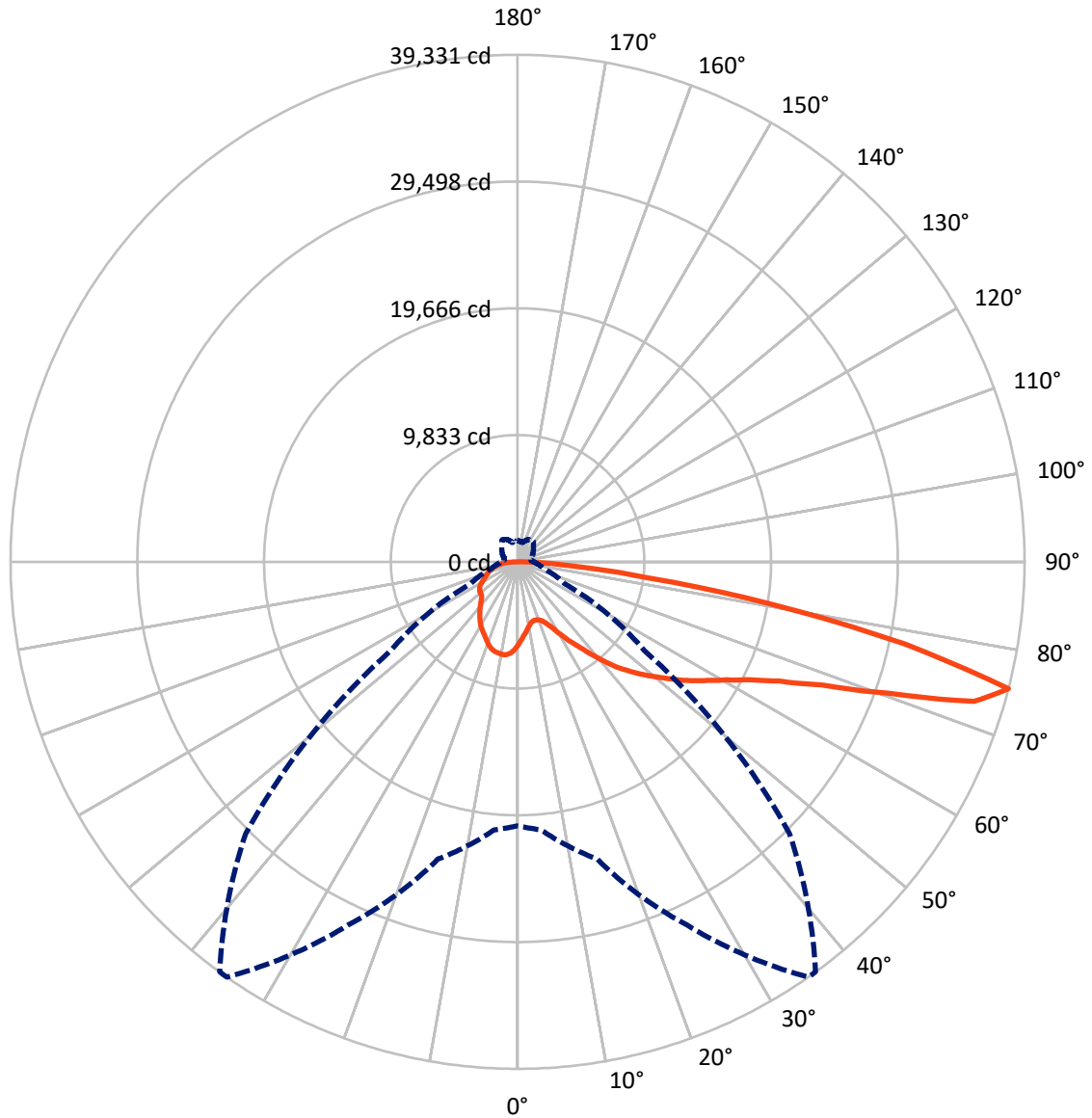
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.4 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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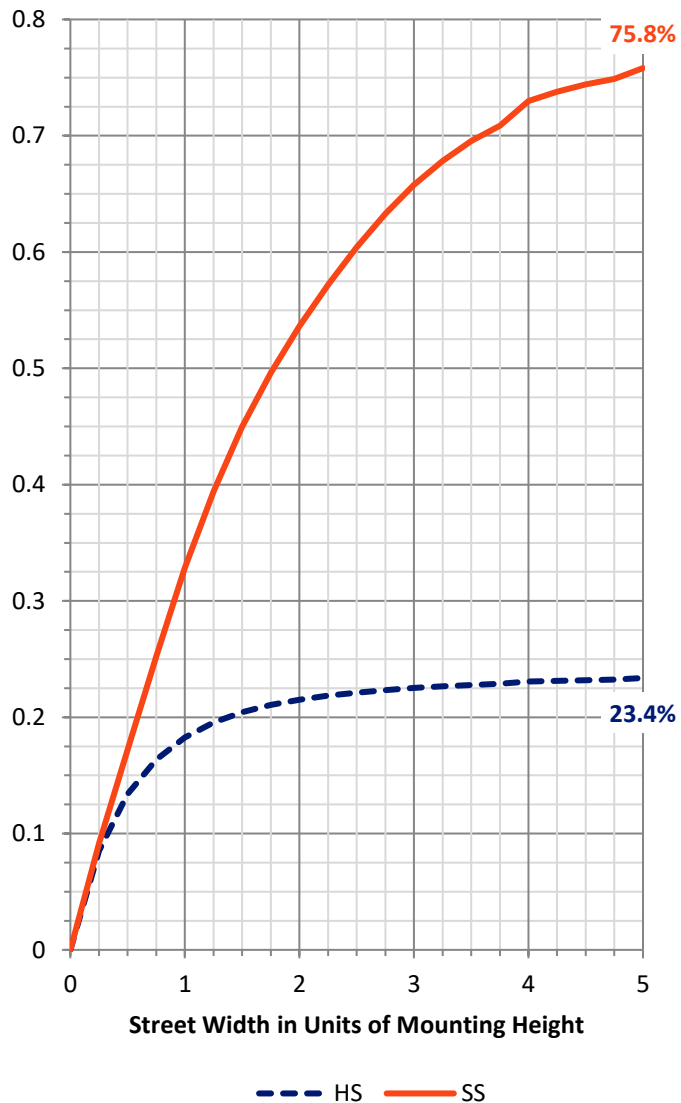
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11483.7	0.0	11483.7
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	36772.3	0.0	36772.3
	% Fixture	76.2	0.0	76.2
Total	Lumens	48256.0	0.0	48256.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	608.8	1.3
10°-20°	1756.1	3.6
20°-30°	2949.0	6.1
30°-40°	4583.2	9.5
40°-50°	6802.7	14.1
50°-60°	9391.5	19.5
60°-70°	11394.0	23.6
70°-80°	9416.3	19.5
80°-90°	1354.4	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°	48256.0	100.0
0°-180°	48256.0	100.0

Coefficient of Utilization

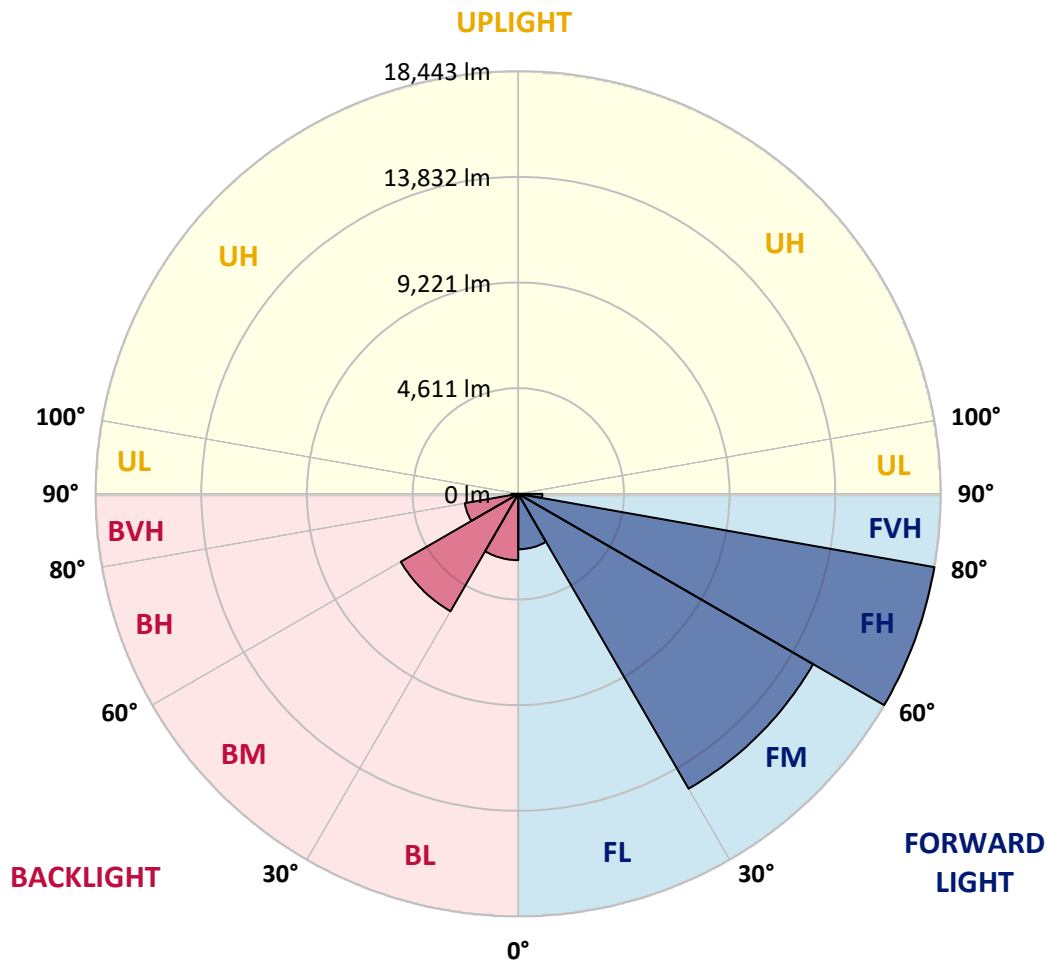


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2419.9	5.0			
FM (30°-60°)	14860.2	30.8			
FH (60°-80°)	18442.7	38.2			G5
FVH (80°-90°)	1049.4	2.2			G5
BL (0°-30°)	2894.1	6.0	B4/5000		
BM (30°-60°)	5917.1	12.3	B4/8500		
BH (60°-80°)	2367.6	4.9	B3/2500		G3/2500
BVH (80°-90°)	305.0	0.6			G3/500
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 Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	6430.4	6430.4	6430.4	6430.4	6430.4	6430.4	6430.4	6430.4	6430.4	6430.4
2.5°	5929.6	5966.1	5981.7	5973.9	6013.0	6007.8	6062.6	6130.4	6224.4	6315.7
5°	5473.0	5512.2	5546.1	5577.4	5653.0	5676.5	5762.6	5893.0	6065.2	6240.0
7.5°	5047.8	5081.7	5133.9	5191.3	5319.1	5342.6	5486.1	5689.6	5929.6	6185.2
10°	4700.9	4734.8	4789.6	4854.8	5013.9	5042.6	5225.2	5496.5	5809.6	6133.0
12.5°	4552.2	4562.6	4593.9	4659.1	4797.4	4815.7	5016.5	5327.0	5692.2	6093.9
15°	4544.4	4565.2	4567.8	4601.7	4716.5	4724.4	4909.6	5217.4	5619.1	6086.1
17.5°	4622.6	4638.3	4614.8	4635.7	4732.2	4745.2	4891.3	5165.2	5595.7	6120.0
20°	4831.3	4844.4	4773.9	4745.2	4815.7	4826.1	4969.6	5199.1	5619.1	6190.4
22.5°	5274.8	5282.6	5110.4	4993.0	4998.3	5003.5	5128.7	5337.4	5710.4	6318.3
25°	5966.1	5960.9	5687.0	5460.0	5329.6	5300.9	5384.4	5561.7	5864.4	6487.8
27.5°	6774.8	6735.7	6461.7	6122.6	5838.3	5796.5	5778.3	5853.9	6083.5	6712.2
30°	7687.8	7651.3	7356.5	6913.0	6519.1	6451.3	6279.1	6240.0	6409.6	7017.4
32.5°	8689.6	8666.1	8313.9	7776.5	7249.6	7171.3	6881.7	6777.4	6910.4	7479.1
35°	9529.6	9508.7	9216.5	8663.5	8019.1	7922.6	7627.8	7510.4	7578.3	8071.3
37.5°	10288.7	10278.3	10027.8	9592.2	8927.0	8809.6	8478.3	8439.1	8426.1	8851.3
40°	10993.0	10967.0	10706.1	10476.5	9983.5	9876.5	9584.4	9550.4	9451.3	9811.3
42.5°	11773.1	11705.2	11327.0	11220.0	11087.0	10998.3	10823.5	10828.7	10609.6	10893.9
45°	12409.6	12370.4	11981.7	11919.1	12062.6	12026.1	12177.4	12216.5	11791.3	12028.7
47.5°	13093.1	13056.5	12727.8	12683.5	13072.2	13082.6	13617.4	13630.4	12944.4	13207.8
50°	13935.7	13883.5	13557.4	13612.2	14047.8	14087.0	15065.2	14976.5	14006.1	14405.2
52.5°	14491.3	14522.6	14452.2	14540.9	15135.7	15172.2	16489.6	16262.6	15057.4	15587.0
55°	14900.9	14963.5	15182.6	15386.1	16283.5	16320.0	17833.1	17486.1	15928.7	16682.6
57.5°	15427.8	15339.1	15748.7	16145.2	17373.9	17470.4	19140.0	18665.2	16700.9	17627.0
60°	16184.4	16121.7	16440.0	17027.0	18594.8	18748.7	20522.6	19727.0	17267.0	18375.7
62.5°	17718.3	17561.7	17611.3	18130.4	20133.9	20337.4	22082.6	20653.1	17548.7	18667.8
65°	20011.3	19742.6	19492.2	19852.2	22301.8	22502.6	23843.5	21380.9	17444.4	18101.7
67.5°	22899.1	22633.1	22325.2	22664.4	25494.8	25653.9	26016.5	21790.4	16622.6	15920.9
70°	25280.9	25181.8	25549.6	26945.2	30594.8	30600.0	28802.6	21451.3	14371.3	11287.8
72.5°	24965.2	24905.2	26843.5	31158.3	37022.6	36884.4	31440.0	18884.4	9680.9	5092.2
75°	20480.9	20869.6	23872.2	31082.6	39331.3	39313.1	29825.2	12005.2	4004.4	2110.4
77.5°	10982.6	11598.3	15498.3	22948.7	30704.4	31166.1	20968.7	4200.0	1719.1	1351.3
80°	3581.7	4119.1	6177.4	11684.4	19951.3	19865.2	8987.0	1648.7	1176.5	957.4
82.5°	1520.9	1583.5	2760.0	5517.4	10239.1	10080.0	2861.7	947.0	827.0	654.8
85°	594.8	665.2	1218.3	2551.3	4434.8	4338.3	1033.0	469.6	529.6	427.8
87.5°	195.7	237.4	435.7	873.9	1380.0	1330.4	253.0	161.7	229.6	195.7
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°
6430.4	0°	6430.4	6430.4	6430.4	6430.4	6430.4	6430.4	6430.4	6430.4	6430.4	6430.4
6448.7	2.5°	6485.2	6527.0	6576.5	6649.6	6712.2	6764.4	6819.1	6853.0	6866.1	6905.2
6459.1	5°	6532.2	6623.5	6746.1	6866.1	6983.5	7053.9	7116.5	7147.8	7176.5	7197.4
6487.8	7.5°	6610.4	6727.8	6920.9	7077.4	7176.5	7233.9	7275.7	7265.2	7275.7	7280.9
6519.1	10°	6678.3	6842.6	7072.2	7220.9	7296.5	7299.1	7288.7	7252.2	7233.9	7236.5
6566.1	12.5°	6759.1	6941.7	7189.6	7314.8	7335.7	7278.3	7233.9	7171.3	7147.8	7137.4
6636.5	15°	6868.7	7077.4	7317.4	7364.4	7312.2	7239.1	7163.5	7061.7	7009.6	6967.8
6756.5	17.5°	7001.7	7231.3	7416.5	7382.6	7270.4	7150.4	7027.8	6873.9	6767.0	6722.6
6920.9	20°	7187.0	7393.0	7492.2	7343.5	7173.9	6991.3	6782.6	6594.8	6495.7	6451.3
7129.6	22.5°	7411.3	7609.6	7565.2	7275.7	7035.7	6743.5	6482.6	6344.4	6294.8	6263.5
7398.3	25°	7680.0	7849.6	7617.4	7176.5	6808.7	6414.8	6213.9	6169.6	6146.1	6122.6
7727.0	27.5°	8029.6	8120.9	7656.5	7030.4	6453.9	6065.2	5992.2	6000.0	5992.2	5953.0
8183.5	30°	8491.3	8473.0	7693.0	6793.0	6047.0	5749.6	5754.8	5788.7	5793.9	5767.8
8820.0	32.5°	9099.1	8913.9	7711.3	6485.2	5658.3	5473.0	5478.3	5514.8	5540.9	5496.5
9652.2	35°	9834.8	9427.8	7682.6	6099.1	5358.3	5209.6	5170.4	5180.9	5188.7	5147.0
10661.7	37.5°	10693.0	10004.4	7554.8	5671.3	5110.4	4951.3	4867.8	4797.4	4755.7	4716.5
11804.4	40°	11634.8	10633.0	7320.0	5253.9	4833.9	4677.4	4552.2	4419.1	4278.3	4226.1
13014.8	42.5°	12620.9	11280.0	7035.7	4854.8	4515.7	4387.8	4254.8	4061.7	3850.4	3743.5
14272.2	45°	13643.5	11942.6	6756.5	4460.9	4189.6	4134.8	3980.9	3748.7	3519.1	3383.5
15532.2	47.5°	14645.2	12568.7	6347.0	4064.4	3884.4	3944.4	3824.3	3610.4	3354.8	3140.9
16781.7	50°	15602.6	13155.7	5676.5	3662.6	3636.5	3887.0	3772.2	3464.3	3172.2	2898.3
18007.8	52.5°	16552.2	13630.4	4818.3	3297.4	3503.5	3871.3	3704.3	3365.2	3007.8	2720.9
19160.9	55°	17358.3	13875.7	3991.3	2984.3	3310.4	3738.3	3623.5	3247.8	2775.7	2470.4
19951.3	57.5°	17817.4	13677.4	3302.6	2676.5	3044.3	3519.1	3485.2	2997.4	2499.1	2264.3
20105.2	60°	17619.1	12873.9	2739.1	2407.8	2791.3	3281.7	3245.2	2749.6	2287.8	2066.1
19280.9	62.5°	16526.1	11342.6	2293.0	2173.0	2561.7	3039.1	3005.2	2559.1	2126.1	1912.2
17092.2	65°	14324.4	9227.0	1946.1	1977.4	2329.6	2747.0	2796.5	2400.0	1998.3	1789.6
13223.5	67.5°	10925.2	6683.5	1674.8	1807.8	2102.6	2460.0	2603.5	2285.2	1891.3	1693.0
7651.3	70°	6227.0	3795.7	1445.2	1643.5	1901.7	2193.9	2454.8	2193.9	1776.5	1612.2
2867.0	72.5°	2360.9	1742.6	1249.6	1479.1	1708.7	1969.6	2290.4	2050.4	1643.5	1520.9
1481.7	75°	1260.0	1061.7	1051.3	1286.1	1487.0	1750.4	2084.3	1909.6	1544.3	1607.0
1025.2	77.5°	858.3	751.3	879.1	1100.9	1244.3	1507.8	1865.2	1695.7	1338.3	1333.0
709.6	80°	594.8	532.2	714.8	887.0	962.6	1267.8	1627.8	1455.7	1090.4	1017.4
438.3	82.5°	357.4	347.0	534.8	662.6	680.9	978.3	1348.7	1220.9	892.2	777.4
260.9	85°	195.7	206.1	341.7	388.7	396.5	683.5	1056.5	944.3	686.1	576.5
93.9	87.5°	54.8	70.4	125.2	153.9	190.4	354.8	628.7	560.9	344.3	240.0
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°
6430.4
6902.6
7202.6
7288.7
7241.7
7132.2
6980.9
6725.2
6446.1
6268.7
6122.6
5960.9
5780.9
5517.4
5175.7
4742.6
4249.6
3756.5
3373.0
3117.4
2874.8
2689.6
2444.3
2233.0
2034.8
1878.3
1755.7
1661.7
1591.3
1500.0
1659.1
1228.7
973.0
782.6
581.7
240.0
0.0

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