

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: P852831

Luminaire Tested: **GLAN-SB6D-722-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852831
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-SB6D-722-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 2200K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 47693 lumens
Efficiency: N/A
Efficacy: 108.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B4 - U0 - G5

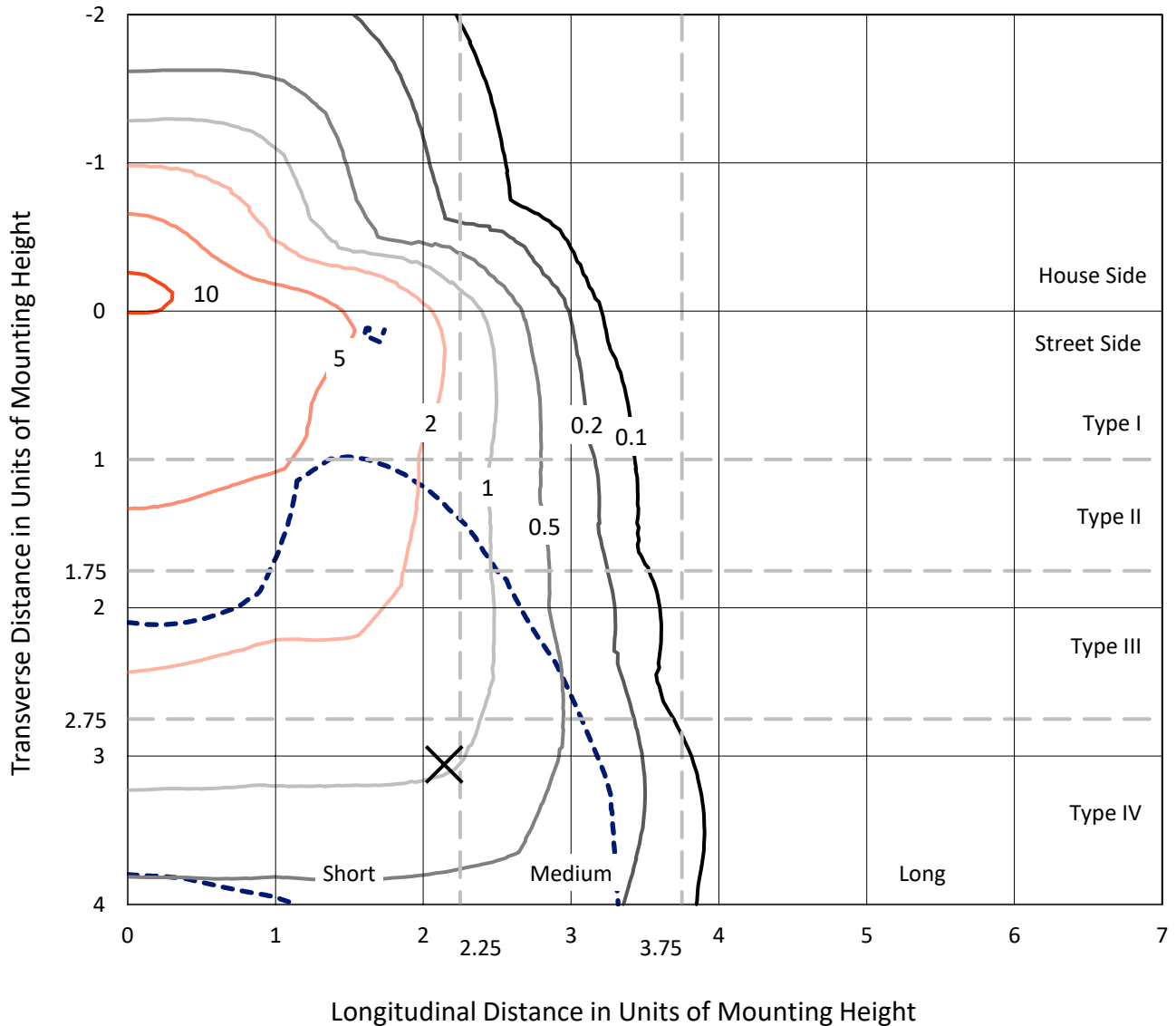
Input Watts (W): 440.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

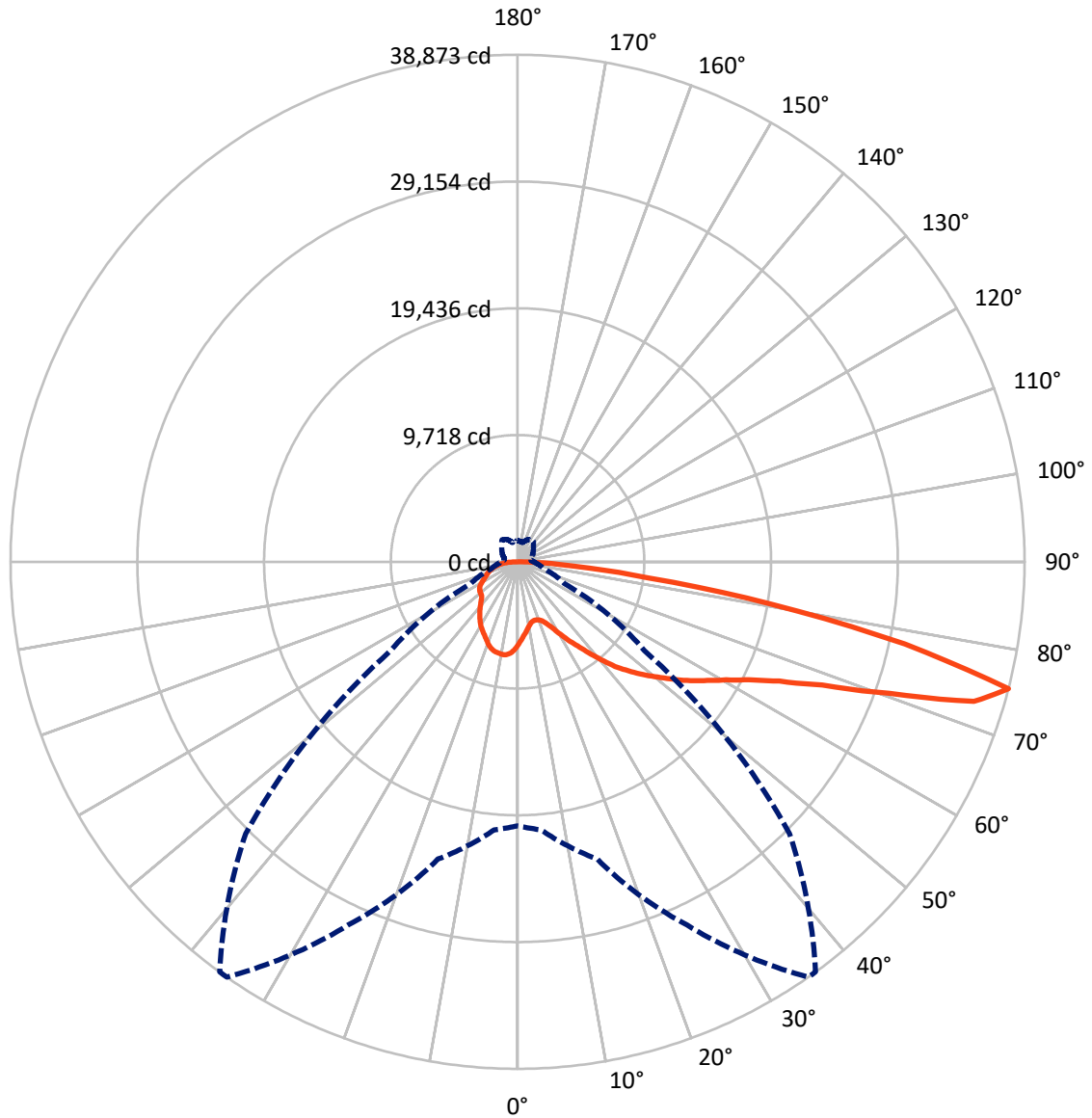
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.2 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	11349.7	0.0	11349.7
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	36343.3	0.0	36343.3
	% Fixture	76.2	0.0	76.2
Total	Lumens	47693.0	0.0	47693.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	601.7	1.3
10°-20°	1735.7	3.6
20°-30°	2914.6	6.1
30°-40°	4529.7	9.5
40°-50°	6723.3	14.1
50°-60°	9281.9	19.5
60°-70°	11261.1	23.6
70°-80°	9306.4	19.5
80°-90°	1338.5	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°	47693.0	100.0
0°-180°	47693.0	100.0

Coefficient of Utilization

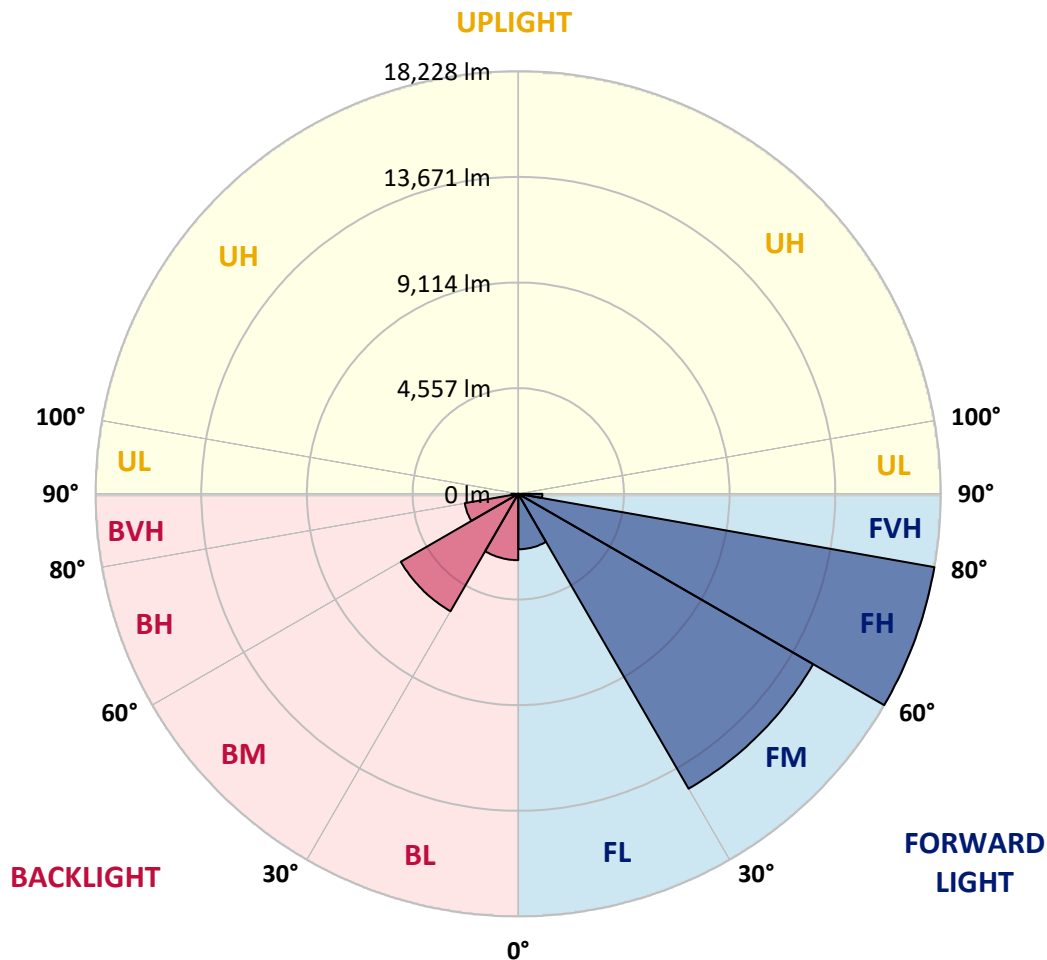


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2391.7	5.0			
FM (30°-60°)	14686.9	30.8			
FH (60°-80°)	18227.6	38.2			G5
FVH (80°-90°)	1037.1	2.2			G5
BL (0°-30°)	2860.3	6.0	B4/5000		
BM (30°-60°)	5848.1	12.3	B4/8500		
BH (60°-80°)	2340.0	4.9	B3/2500		G3/2500
BVH (80°-90°)	301.4	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°	6355.4	6355.4	6355.4	6355.4	6355.4	6355.4	6355.4	6355.4	6355.4	6355.4
2.5°	5860.4	5896.5	5912.0	5904.2	5942.9	5937.7	5991.9	6058.9	6151.7	6242.0
5°	5409.2	5447.9	5481.4	5512.3	5587.1	5610.3	5695.4	5824.3	5994.5	6167.2
7.5°	4988.9	5022.5	5074.0	5130.7	5257.1	5280.3	5422.1	5623.2	5860.4	6113.1
10°	4646.0	4679.5	4733.7	4798.1	4955.4	4983.8	5164.3	5432.4	5741.8	6061.5
12.5°	4499.1	4509.4	4540.3	4604.8	4741.4	4759.5	4958.0	5264.8	5625.8	6022.8
15°	4491.3	4512.0	4514.5	4548.1	4661.5	4669.2	4852.3	5156.5	5553.6	6015.1
17.5°	4568.7	4584.1	4560.9	4581.6	4677.0	4689.9	4834.2	5105.0	5530.4	6048.6
20°	4774.9	4787.8	4718.2	4689.9	4759.5	4769.8	4911.6	5138.5	5553.6	6118.2
22.5°	5213.2	5221.0	5050.8	4934.8	4939.9	4945.1	5068.9	5275.1	5643.8	6244.5
25°	5896.5	5891.3	5620.6	5396.3	5267.4	5239.0	5321.5	5496.9	5795.9	6412.1
27.5°	6695.7	6657.1	6386.4	6051.2	5770.1	5728.9	5710.8	5785.6	6012.5	6633.9
30°	7598.1	7562.0	7270.7	6832.4	6443.1	6376.0	6205.9	6167.2	6334.8	6935.5
32.5°	8588.2	8565.0	8216.9	7685.8	7165.0	7087.6	6801.5	6698.3	6829.8	7391.9
35°	9418.4	9397.8	9109.0	8562.4	7925.6	7830.2	7538.8	7422.8	7489.8	7977.1
37.5°	10168.7	10158.4	9910.8	9480.3	8822.8	8706.8	8379.4	8340.7	8327.8	8748.0
40°	10864.8	10839.0	10581.2	10354.3	9867.0	9761.3	9472.5	9439.0	9341.0	9696.8
42.5°	11635.7	11568.7	11194.8	11089.1	10957.6	10870.0	10697.2	10702.4	10485.8	10766.8
45°	12264.8	12226.1	11842.0	11780.1	11921.9	11885.8	12035.3	12074.0	11653.7	11888.4
47.5°	12940.3	12904.2	12579.3	12535.5	12919.7	12930.0	13458.5	13471.4	12793.3	13053.7
50°	13773.1	13721.5	13399.2	13453.4	13883.9	13922.6	14889.5	14801.8	13842.7	14237.2
52.5°	14322.2	14353.2	14283.6	14371.2	14959.1	14995.2	16297.2	16072.9	14881.7	15405.1
55°	14727.0	14788.9	15005.5	15206.6	16093.5	16129.6	17625.0	17282.1	15742.9	16488.0
57.5°	15247.8	15160.2	15565.0	15956.9	17171.2	17266.6	18916.7	18447.5	16506.0	17421.3
60°	15995.5	15933.7	16248.2	16828.3	18377.8	18530.0	20283.2	19496.8	17065.5	18161.3
62.5°	17511.6	17356.9	17405.8	17918.9	19899.0	20100.1	21825.0	20412.1	17344.0	18450.0
65°	19777.8	19512.3	19264.8	19620.6	22041.6	22240.1	23565.3	21131.4	17240.8	17890.6
67.5°	22632.0	22369.0	22064.8	22399.9	25197.4	25354.6	25713.0	21536.2	16428.7	15735.1
70°	24985.9	24888.0	25251.5	26630.9	30237.9	30243.0	28466.6	21201.0	14203.6	11156.1
72.5°	24674.0	24614.7	26530.3	30794.8	36590.7	36454.0	31073.2	18664.0	9567.9	5032.8
75°	20241.9	20626.1	23593.7	30720.0	38872.5	38854.4	29477.3	11865.2	3957.6	2085.8
77.5°	10854.5	11463.0	15317.5	22681.0	30346.1	30802.5	20724.1	4151.0	1699.1	1335.5
80°	3540.0	4071.1	6105.3	11548.0	19718.5	19633.5	8882.1	1629.5	1162.8	946.2
82.5°	1503.1	1565.0	2727.8	5453.0	10119.7	9962.4	2828.4	935.9	817.3	647.1
85°	587.8	657.5	1204.0	2521.5	4383.0	4287.6	1021.0	464.1	523.4	422.8
87.5°	193.4	234.6	430.6	863.7	1363.9	1314.9	250.1	159.9	226.9	193.4
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°
6355.4	0°	6355.4	6355.4	6355.4	6355.4	6355.4	6355.4	6355.4	6355.4	6355.4	6355.4
6373.5	2.5°	6409.6	6450.8	6499.8	6572.0	6633.9	6685.4	6739.6	6773.1	6786.0	6824.7
6383.8	5°	6456.0	6546.2	6667.4	6786.0	6902.0	6971.6	7033.5	7064.4	7092.8	7113.4
6412.1	7.5°	6533.3	6649.3	6840.1	6994.8	7092.8	7149.5	7190.8	7180.5	7190.8	7195.9
6443.1	10°	6600.3	6762.8	6989.7	7136.6	7211.4	7214.0	7203.7	7167.6	7149.5	7152.1
6489.5	12.5°	6680.3	6860.8	7105.7	7229.4	7250.1	7193.3	7149.5	7087.6	7064.4	7054.1
6559.1	15°	6788.6	6994.8	7232.0	7278.4	7226.9	7154.7	7079.9	6979.4	6927.8	6886.5
6677.7	17.5°	6920.1	7146.9	7330.0	7296.5	7185.6	7067.0	6945.8	6793.7	6688.0	6644.2
6840.1	20°	7103.1	7306.8	7404.8	7257.8	7090.2	6909.7	6703.5	6517.8	6419.9	6376.0
7046.4	22.5°	7324.8	7520.8	7477.0	7190.8	6953.6	6664.8	6407.0	6270.3	6221.3	6190.4
7311.9	25°	7590.4	7758.0	7528.5	7092.8	6729.3	6339.9	6141.4	6097.6	6074.4	6051.2
7636.8	27.5°	7935.9	8026.1	7567.2	6948.4	6378.6	5994.5	5922.3	5930.0	5922.3	5883.6
8088.0	30°	8392.2	8374.2	7603.3	6713.8	5976.4	5682.5	5687.6	5721.2	5726.3	5700.5
8717.1	32.5°	8993.0	8809.9	7621.3	6409.6	5592.2	5409.2	5414.3	5450.4	5476.2	5432.4
9539.6	35°	9720.0	9317.8	7593.0	6028.0	5295.7	5148.8	5110.1	5120.4	5128.2	5086.9
10537.4	37.5°	10568.3	9887.6	7466.6	5605.1	5050.8	4893.5	4811.0	4741.4	4700.2	4661.5
11666.6	40°	11499.0	10509.0	7234.6	5192.6	4777.5	4622.8	4499.1	4367.6	4228.3	4176.8
12862.9	42.5°	12473.6	11148.4	6953.6	4798.1	4463.0	4336.6	4205.1	4014.4	3805.5	3699.8
14105.7	45°	13484.3	11803.3	6677.7	4408.8	4140.7	4086.5	3934.4	3705.0	3478.1	3344.0
15351.0	47.5°	14474.4	12422.1	6272.9	4016.9	3839.0	3898.3	3779.7	3568.3	3315.6	3104.2
16586.0	50°	15420.6	13002.2	5610.3	3619.9	3594.1	3841.6	3728.2	3423.9	3135.2	2864.4
17797.7	52.5°	16359.1	13471.4	4762.0	3258.9	3462.6	3826.1	3661.1	3326.0	2972.7	2689.1
18937.3	55°	17155.8	13713.8	3944.7	2949.5	3271.8	3694.6	3581.2	3209.9	2743.3	2441.6
19718.5	57.5°	17609.5	13517.8	3264.1	2645.3	3008.8	3478.1	3444.6	2962.4	2470.0	2237.9
19870.7	60°	17413.6	12723.7	2707.2	2379.7	2758.7	3243.5	3207.4	2717.5	2261.1	2042.0
19055.9	62.5°	16333.3	11210.3	2266.3	2147.7	2531.9	3003.7	2970.2	2529.3	2101.3	1889.9
16892.8	65°	14157.2	9119.3	1923.4	1954.3	2302.4	2714.9	2763.9	2372.0	1974.9	1768.7
13069.2	67.5°	10797.8	6605.5	1655.2	1786.7	2078.1	2431.3	2573.1	2258.6	1869.2	1673.3
7562.0	70°	6154.3	3751.4	1428.4	1624.3	1879.6	2168.3	2426.1	2168.3	1755.8	1593.4
2833.5	72.5°	2333.3	1722.3	1235.0	1461.9	1688.8	1946.6	2263.7	2026.5	1624.3	1503.1
1464.5	75°	1245.3	1049.4	1039.0	1271.1	1469.6	1730.0	2060.0	1887.3	1526.3	1588.2
1013.3	77.5°	848.2	742.5	868.9	1088.0	1229.8	1490.2	1843.5	1675.9	1322.6	1317.5
701.3	80°	587.8	526.0	706.4	876.6	951.4	1253.0	1608.8	1438.7	1077.7	1005.5
433.1	82.5°	353.2	342.9	528.5	654.9	672.9	966.8	1333.0	1206.6	881.8	768.3
257.8	85°	193.4	203.7	337.8	384.2	391.9	675.5	1044.2	933.3	678.1	569.8
92.8	87.5°	54.1	69.6	123.8	152.1	188.2	350.6	621.4	554.3	340.3	237.2
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°
6355.4
6822.1
7118.6
7203.7
7157.3
7049.0
6899.4
6646.8
6370.9
6195.6
6051.2
5891.3
5713.4
5453.0
5115.3
4687.3
4200.0
3712.7
3333.7
3081.0
2841.2
2658.2
2415.8
2207.0
2011.0
1856.3
1735.2
1642.4
1572.7
1482.5
1639.8
1214.4
961.7
773.5
575.0
237.2
0.0

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