

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: P852951

Luminaire Tested: **GLAN-SB7C-835-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852951
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-SB7C-835-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 80 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 43585 lumens
Efficiency: N/A
Efficacy: 124.4 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

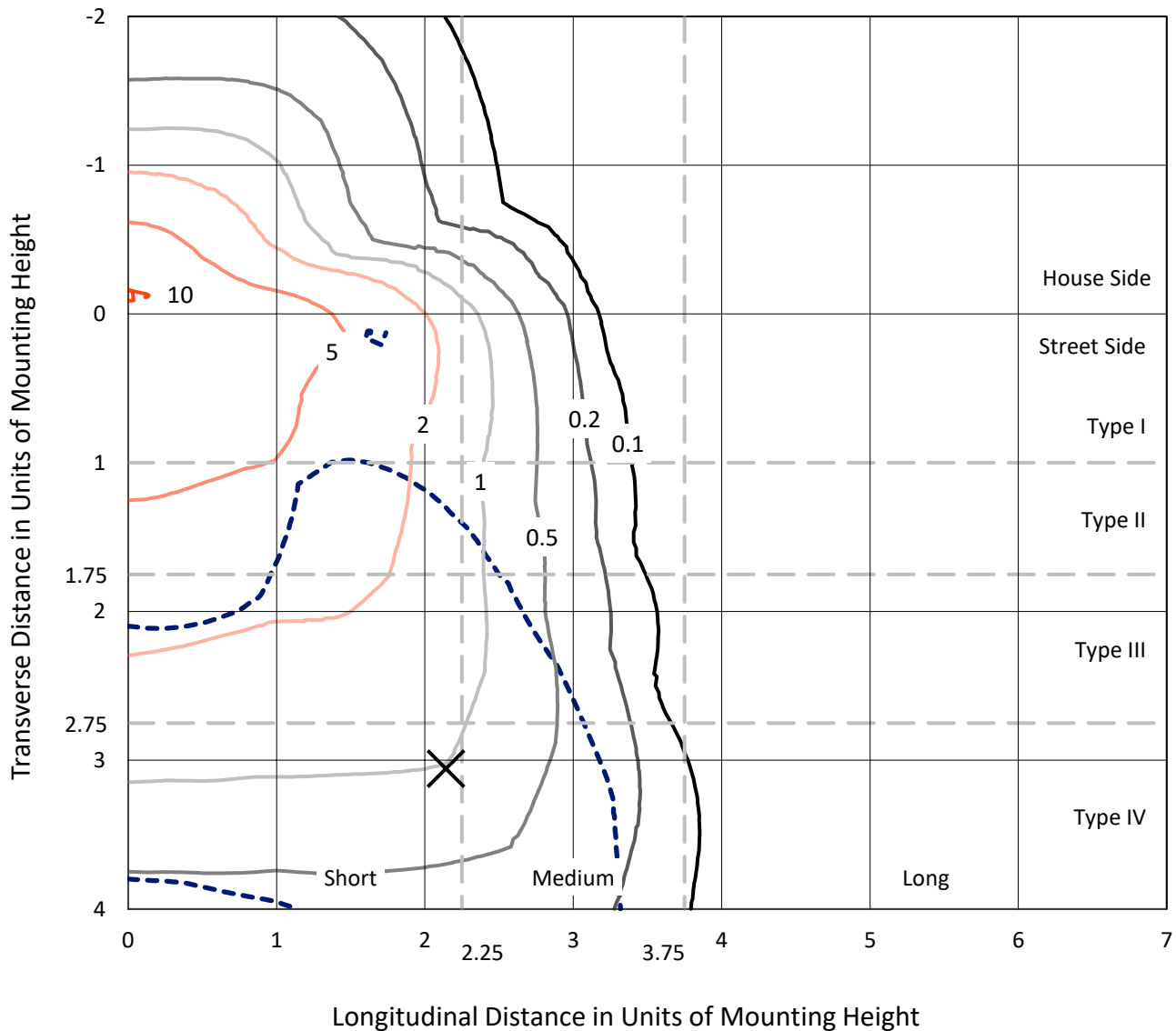
Input Watts (W): 350.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

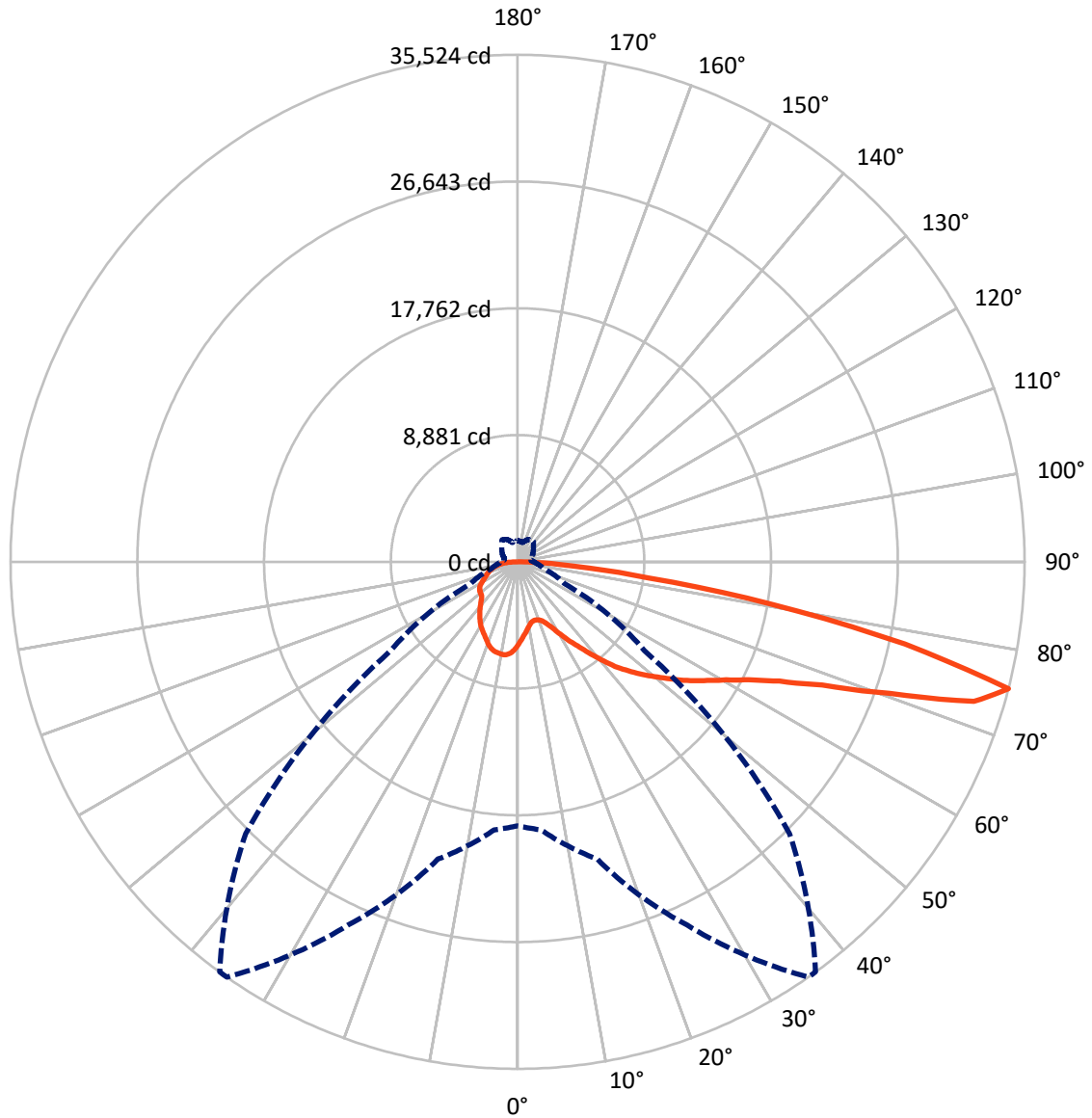
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.3 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	10372.1	0.0	10372.1
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	33212.9	0.0	33212.9
	% Fixture	76.2	0.0	76.2
Total	Lumens	43585.0	0.0	43585.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	549.9	1.3
10°-20°	1586.2	3.6
20°-30°	2663.6	6.1
30°-40°	4139.6	9.5
40°-50°	6144.2	14.1
50°-60°	8482.4	19.5
60°-70°	10291.1	23.6
70°-80°	8504.8	19.5
80°-90°	1223.2	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°	43585.0	100.0
0°-180°	43585.0	100.0

Coefficient of Utilization

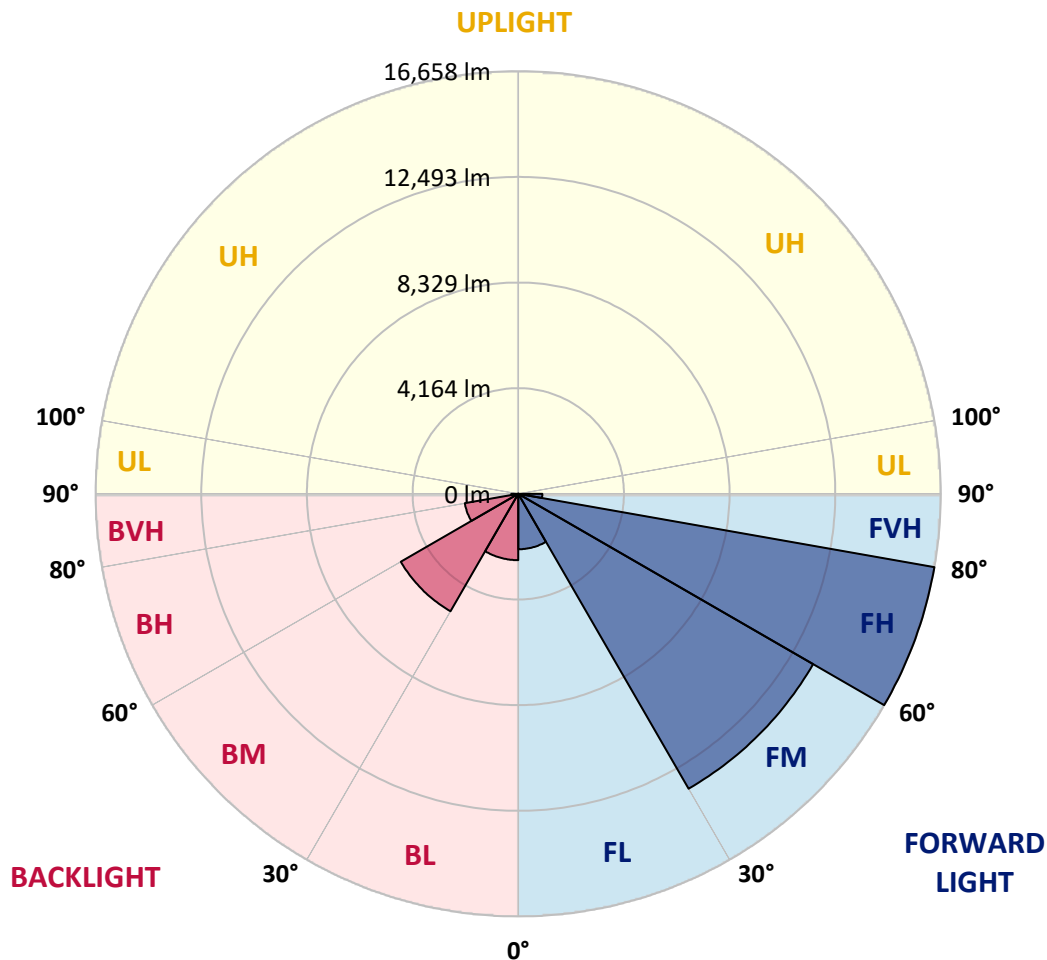


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2185.7	5.0			
FM (30°-60°)	13421.8	30.8			
FH (60°-80°)	16657.5	38.2			G5
FVH (80°-90°)	947.8	2.2			G5
BL (0°-30°)	2613.9	6.0	B4/5000		
BM (30°-60°)	5344.4	12.3	B4/8500		
BH (60°-80°)	2138.4	4.9	B3/2500		G3/2500
BVH (80°-90°)	275.4	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°	5808.0	5808.0	5808.0	5808.0	5808.0	5808.0	5808.0	5808.0	5808.0	5808.0
2.5°	5355.6	5388.6	5402.7	5395.7	5431.0	5426.3	5475.8	5537.0	5621.9	5704.3
5°	4943.3	4978.6	5009.2	5037.5	5105.9	5127.1	5204.8	5322.6	5478.1	5636.0
7.5°	4559.2	4589.8	4637.0	4688.8	4804.3	4825.5	4955.1	5138.8	5355.6	5586.5
10°	4245.8	4276.5	4326.0	4384.9	4528.6	4554.5	4719.4	4964.5	5247.2	5539.4
12.5°	4111.5	4121.0	4149.2	4208.1	4333.0	4349.5	4530.9	4811.3	5141.2	5504.0
15°	4104.5	4123.3	4125.7	4156.3	4260.0	4267.1	4434.3	4712.4	5075.2	5497.0
17.5°	4175.2	4189.3	4168.1	4186.9	4274.1	4285.9	4417.8	4665.2	5054.0	5527.6
20°	4363.7	4375.4	4311.8	4285.9	4349.5	4358.9	4488.5	4695.9	5075.2	5591.2
22.5°	4764.2	4771.3	4615.8	4509.7	4514.5	4519.2	4632.3	4820.8	5157.7	5706.7
25°	5388.6	5383.9	5136.5	4931.5	4813.7	4787.8	4863.2	5023.4	5296.7	5859.8
27.5°	6119.0	6083.7	5836.3	5530.0	5273.1	5235.4	5218.9	5287.3	5494.6	6062.5
30°	6943.7	6910.7	6644.4	6243.9	5888.1	5826.8	5671.3	5636.0	5789.1	6338.1
32.5°	7848.5	7827.2	7509.2	7023.8	6547.8	6477.2	6215.6	6121.4	6241.5	6755.2
35°	8607.1	8588.3	8324.4	7824.9	7242.9	7155.7	6889.5	6783.5	6844.7	7290.0
37.5°	9292.8	9283.4	9057.2	8663.7	8062.9	7956.8	7657.6	7622.3	7610.5	7994.5
40°	9929.0	9905.4	9669.8	9462.4	9017.1	8920.5	8656.6	8626.0	8536.5	8861.6
42.5°	10633.5	10572.2	10230.6	10134.0	10013.8	9933.7	9775.8	9780.5	9582.6	9839.4
45°	11208.4	11173.0	10822.0	10765.4	10895.0	10862.0	10998.7	11034.0	10650.0	10864.4
47.5°	11825.7	11792.7	11495.8	11455.8	11806.8	11816.3	12299.3	12311.1	11691.4	11929.4
50°	12586.7	12539.6	12245.1	12294.6	12688.1	12723.4	13607.0	13526.9	12650.4	13010.9
52.5°	13088.6	13116.9	13053.3	13133.4	13670.6	13703.6	14893.4	14688.5	13599.9	14078.2
55°	13458.5	13515.1	13713.0	13896.8	14707.3	14740.3	16106.9	15793.5	14386.9	15067.8
57.5°	13934.5	13854.4	14224.3	14582.4	15692.2	15779.4	17287.3	16858.5	15084.3	15920.7
60°	14617.8	14561.2	14848.7	15378.8	16794.9	16933.9	18536.1	17817.5	15595.6	16597.0
62.5°	16003.2	15861.8	15906.6	16375.5	18185.0	18368.8	19945.1	18653.9	15850.1	16860.9
65°	18074.3	17831.6	17605.4	17930.6	20143.0	20324.5	21535.5	19311.3	15755.8	16349.6
67.5°	20682.6	20442.3	20164.2	20470.5	23027.0	23170.7	23498.2	19681.2	15013.6	14379.8
70°	22833.8	22744.3	23076.5	24337.0	27633.3	27638.1	26014.6	19374.9	12980.2	10195.2
72.5°	22548.7	22494.5	24245.1	28142.3	33439.0	33314.1	28396.7	17056.4	8743.8	4599.3
75°	18498.4	18849.5	21561.4	28073.9	35524.2	35507.7	26938.3	10843.2	3616.7	1906.2
77.5°	9919.5	10475.6	13998.1	20727.4	27732.3	28149.3	18939.0	3793.5	1552.7	1220.5
80°	3235.0	3720.4	5579.4	10553.4	18020.1	17942.3	8117.1	1489.1	1062.6	864.7
82.5°	1373.7	1430.2	2492.8	4983.3	9248.0	9104.3	2584.7	855.3	746.9	591.4
85°	537.2	600.8	1100.3	2304.3	4005.5	3918.3	933.0	424.1	478.3	386.4
87.5°	176.7	214.4	393.5	789.3	1246.4	1201.7	228.5	146.1	207.3	176.7
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°
5808.0	0°	5808.0	5808.0	5808.0	5808.0	5808.0	5808.0	5808.0	5808.0	5808.0	5808.0
5824.5	2.5°	5857.5	5895.2	5939.9	6005.9	6062.5	6109.6	6159.1	6189.7	6201.5	6236.8
5833.9	5°	5899.9	5982.4	6093.1	6201.5	6307.5	6371.1	6427.7	6455.9	6481.9	6500.7
5859.8	7.5°	5970.6	6076.6	6251.0	6392.3	6481.9	6533.7	6571.4	6562.0	6571.4	6576.1
5888.1	10°	6031.8	6180.3	6387.6	6521.9	6590.2	6592.6	6583.2	6550.2	6533.7	6536.1
5930.5	12.5°	6104.9	6269.8	6493.6	6606.7	6625.6	6573.8	6533.7	6477.2	6455.9	6446.5
5994.1	15°	6203.8	6392.3	6609.1	6651.5	6604.4	6538.4	6470.1	6378.2	6331.1	6293.4
6102.5	17.5°	6324.0	6531.3	6698.6	6668.0	6566.7	6458.3	6347.6	6208.5	6111.9	6071.9
6251.0	20°	6491.3	6677.4	6767.0	6632.7	6479.5	6314.6	6126.1	5956.4	5866.9	5826.8
6439.5	22.5°	6693.9	6873.0	6832.9	6571.4	6354.6	6090.7	5855.1	5730.2	5685.5	5657.2
6682.1	25°	6936.6	7089.8	6880.1	6481.9	6149.6	5793.9	5612.4	5572.4	5551.2	5530.0
6979.0	27.5°	7252.3	7334.8	6915.4	6349.9	5829.2	5478.1	5412.2	5419.2	5412.2	5376.8
7391.4	30°	7669.4	7652.9	6948.4	6135.5	5461.6	5193.0	5197.7	5228.4	5233.1	5209.5
7966.3	32.5°	8218.4	8051.1	6964.9	5857.5	5110.6	4943.3	4948.0	4981.0	5004.5	4964.5
8717.9	35°	8882.8	8515.3	6939.0	5508.8	4839.6	4705.3	4670.0	4679.4	4686.5	4648.8
9629.7	37.5°	9658.0	9036.0	6823.5	5122.3	4615.8	4472.0	4396.6	4333.0	4295.3	4260.0
10661.7	40°	10508.6	9603.8	6611.5	4745.4	4366.0	4224.6	4111.5	3991.4	3864.1	3817.0
11755.0	42.5°	11399.2	10188.1	6354.6	4384.9	4078.6	3963.1	3842.9	3668.6	3477.7	3381.1
12890.7	45°	12322.8	10786.6	6102.5	4029.1	3784.0	3734.6	3595.5	3385.8	3178.5	3056.0
14028.7	47.5°	13227.6	11352.1	5732.6	3670.9	3508.4	3562.6	3454.2	3261.0	3030.1	2836.8
15157.3	50°	14092.3	11882.2	5127.1	3308.1	3284.5	3510.7	3407.0	3129.0	2865.1	2617.7
16264.7	52.5°	14950.0	12311.1	4351.9	2978.2	3164.4	3496.6	3345.8	3039.5	2716.7	2457.5
17306.2	55°	15678.1	12532.5	3605.0	2695.5	2990.0	3376.4	3272.7	2933.5	2507.0	2231.3
18020.1	57.5°	16092.7	12353.5	2982.9	2417.4	2749.7	3178.5	3147.9	2707.3	2257.2	2045.2
18159.1	60°	15913.7	11627.8	2474.0	2174.8	2521.1	2964.1	2931.1	2483.4	2066.4	1866.1
17414.6	62.5°	14926.4	10244.7	2071.1	1962.7	2313.8	2745.0	2714.3	2311.4	1920.3	1727.1
15437.7	65°	12937.8	8333.8	1757.7	1786.0	2104.1	2481.1	2525.8	2167.7	1804.8	1616.3
11943.5	67.5°	9867.7	6036.5	1512.7	1632.8	1899.1	2221.9	2351.5	2064.0	1708.2	1529.2
6910.7	70°	5624.2	3428.2	1305.3	1484.4	1717.7	1981.6	2217.2	1981.6	1604.6	1456.1
2589.4	72.5°	2132.3	1573.9	1128.6	1336.0	1543.3	1778.9	2068.7	1852.0	1484.4	1373.7
1338.3	75°	1138.0	959.0	949.5	1161.6	1343.0	1581.0	1882.6	1724.7	1394.9	1451.4
926.0	77.5°	775.2	678.6	794.0	994.3	1123.9	1361.9	1684.7	1531.5	1208.7	1204.0
640.9	80°	537.2	480.7	645.6	801.1	869.4	1145.1	1470.3	1314.8	984.9	918.9
395.8	82.5°	322.8	313.4	483.0	598.5	615.0	883.6	1218.1	1102.7	805.8	702.1
235.6	85°	176.7	186.1	308.7	351.1	358.1	617.3	954.3	852.9	619.7	520.7
84.8	87.5°	49.5	63.6	113.1	139.0	172.0	320.4	567.8	506.6	311.0	216.8
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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<u>180°</u>
5808.0
6234.5
6505.4
6583.2
6540.8
6441.8
6305.2
6074.2
5822.1
5661.9
5530.0
5383.9
5221.3
4983.3
4674.7
4283.5
3838.2
3392.9
3046.5
2815.6
2596.5
2429.2
2207.7
2016.9
1837.8
1696.5
1585.7
1500.9
1437.3
1354.8
1498.5
1109.8
878.9
706.9
525.4
216.8
0.0

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