

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: P852955

Luminaire Tested: **GLAN-SB7C-850-U-T4FT**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P852955  
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-850-U-T4FT  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 80 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

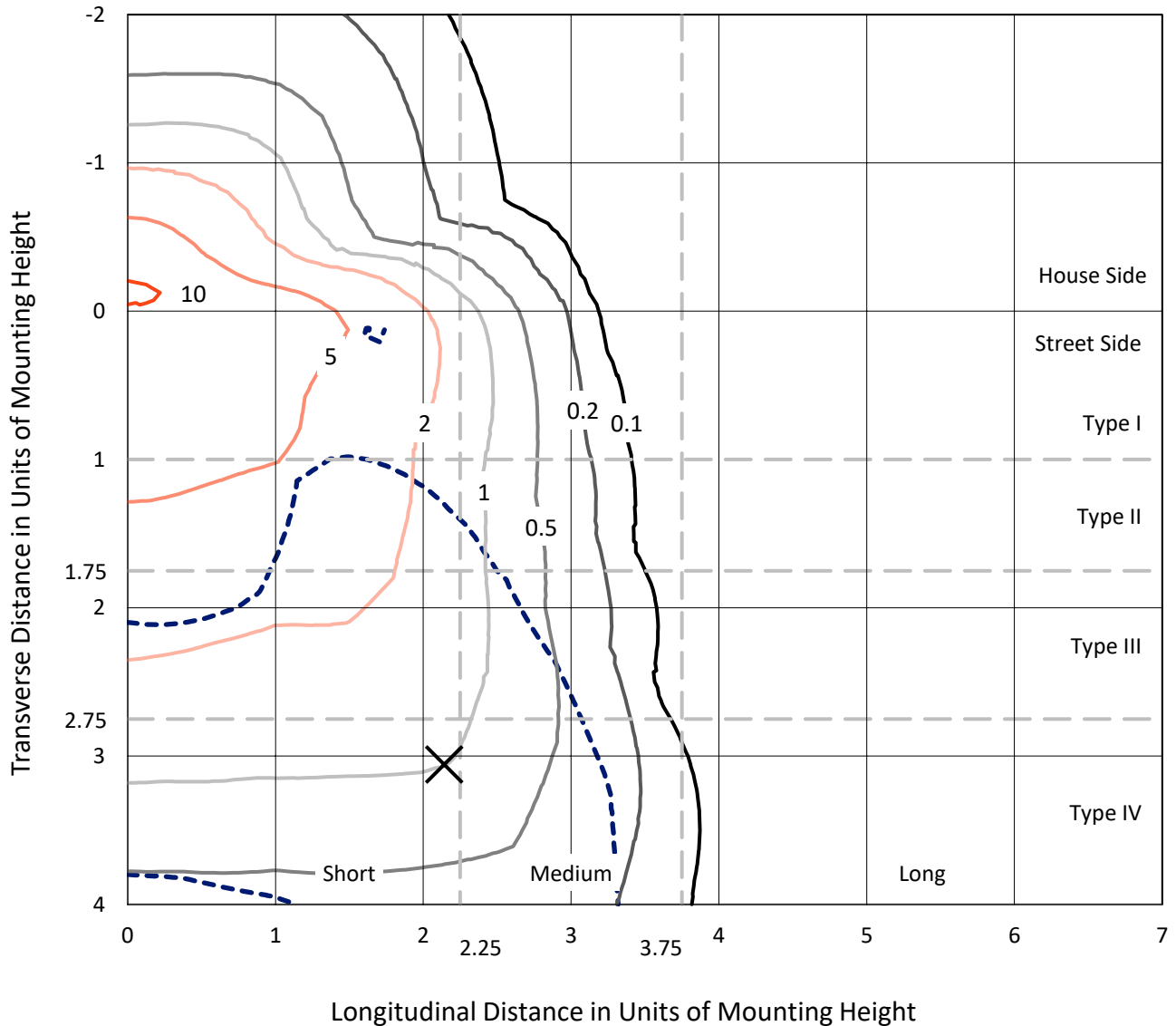
Lumens per Lamp: N/A  
Luminaire Lumens: 45200 lumens  
Efficiency: N/A  
Efficacy: 129.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B4 - U0 - G5  
  
Input Watts (W): 350.5  
Input Voltage (V): NR  
Input Current (Ain): 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

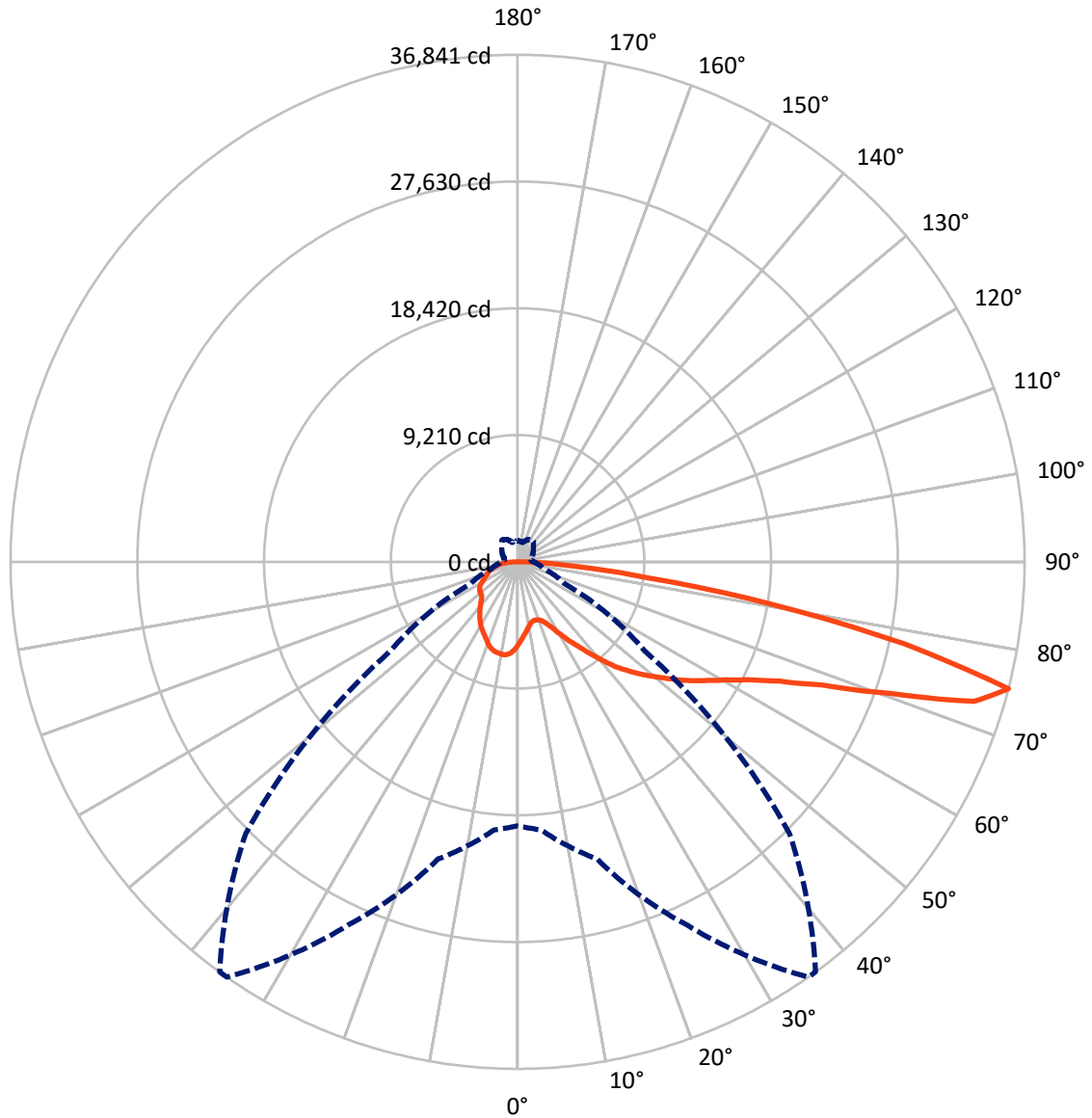
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.7 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
<b>House Side</b>	Lumens	10756.5	0.0	10756.5
	% Fixture	23.8	0.0	23.8
<b>Street Side</b>	Lumens	34443.5	0.0	34443.5
	% Fixture	76.2	0.0	76.2
<b>Total</b>	Lumens	45200.0	0.0	45200.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	570.3	1.3
10°-20°	1644.9	3.6
20°-30°	2762.3	6.1
30°-40°	4292.9	9.5
40°-50°	6371.9	14.1
50°-60°	8796.7	19.5
60°-70°	10672.4	23.6
70°-80°	8820.0	19.5
80°-90°	1268.6	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°	45200.0	100.0
0°-180°	45200.0	100.0

**Coefficient of Utilization**

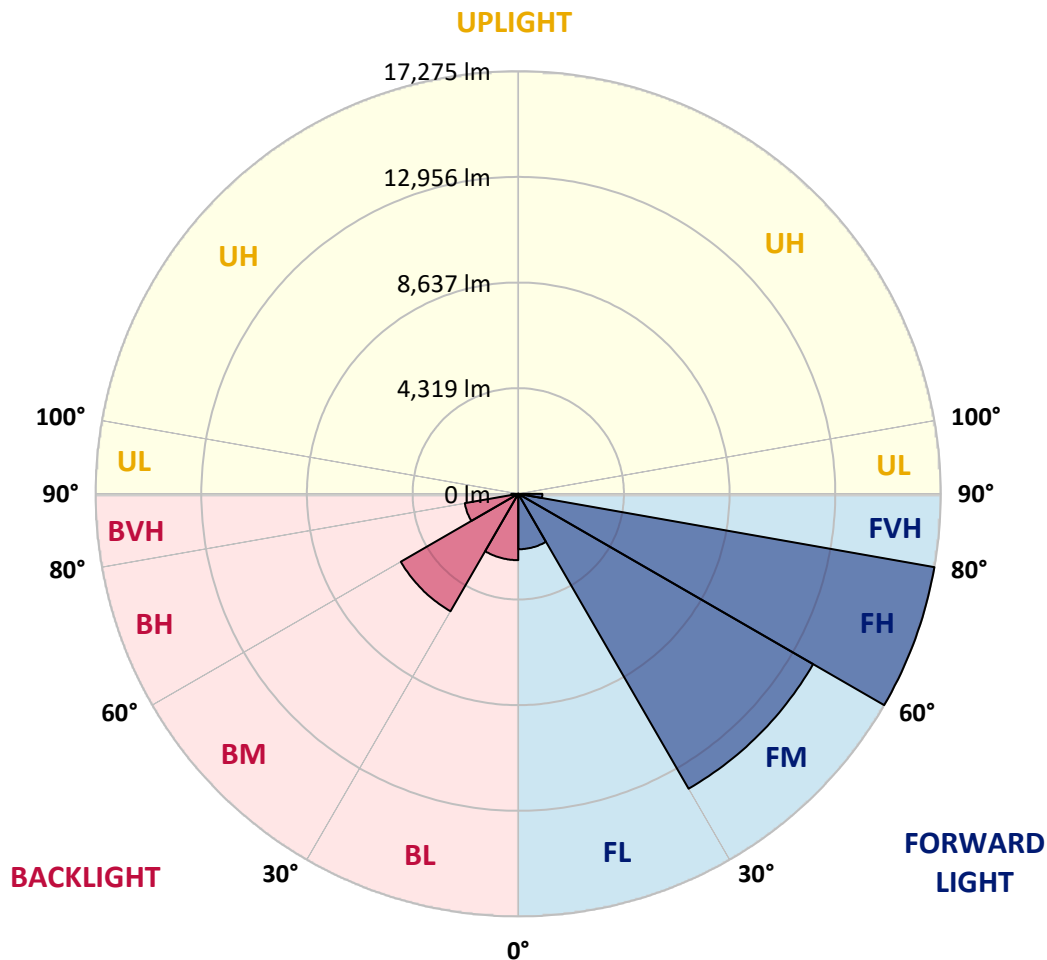


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2266.7	5.0			
FM (30°-60°)	13919.2	30.8			
FH (60°-80°)	17274.8	38.2			G5
FVH (80°-90°)	982.9	2.2			G5
BL (0°-30°)	2710.8	6.0	B4/5000		
BM (30°-60°)	5542.4	12.3	B4/8500		
BH (60°-80°)	2217.6	4.9	B3/2500		G3/2500
BVH (80°-90°)	285.7	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°	6023.2	6023.2	6023.2	6023.2	6023.2	6023.2	6023.2	6023.2	6023.2	6023.2
2.5°	5554.1	5588.3	5602.9	5595.6	5632.2	5627.4	5678.7	5742.2	5830.2	5915.7
5°	5126.4	5163.1	5194.9	5224.2	5295.0	5317.0	5397.7	5519.8	5681.1	5844.8
7.5°	4728.2	4759.9	4808.8	4862.5	4982.3	5004.3	5138.7	5329.3	5554.1	5793.5
10°	4403.2	4434.9	4486.2	4547.3	4696.4	4723.3	4894.3	5148.4	5441.7	5744.6
12.5°	4263.9	4273.7	4303.0	4364.1	4493.6	4510.7	4698.8	4989.6	5331.7	5708.0
15°	4256.6	4276.1	4278.6	4310.3	4417.8	4425.2	4598.7	4887.0	5263.3	5700.7
17.5°	4329.9	4344.5	4322.5	4342.1	4432.5	4444.7	4581.5	4838.1	5241.3	5732.4
20°	4525.3	4537.6	4471.6	4444.7	4510.7	4520.5	4654.9	4869.9	5263.3	5798.4
22.5°	4940.7	4948.1	4786.8	4676.8	4681.7	4686.6	4803.9	4999.4	5348.8	5918.1
25°	5588.3	5583.4	5326.8	5114.2	4992.1	4965.2	5043.4	5209.5	5493.0	6077.0
27.5°	6345.7	6309.1	6052.5	5734.9	5468.5	5429.4	5412.3	5483.2	5698.2	6287.1
30°	7201.0	7166.8	6890.6	6475.3	6106.3	6042.8	5881.5	5844.8	6003.7	6573.0
32.5°	8139.3	8117.3	7787.4	7284.0	6790.5	6717.2	6445.9	6348.2	6472.8	7005.5
35°	8926.1	8906.5	8632.9	8114.8	7511.3	7420.9	7144.8	7034.8	7098.3	7560.2
37.5°	9637.1	9627.4	9392.8	8984.7	8361.6	8251.7	7941.3	7904.7	7892.5	8290.8
40°	10296.9	10272.4	10028.1	9813.1	9351.2	9251.1	8977.4	8945.6	8852.8	9190.0
42.5°	11027.5	10963.9	10609.6	10509.5	10384.8	10301.8	10138.0	10142.9	9937.7	10204.0
45°	11623.7	11587.0	11223.0	11164.3	11298.7	11264.5	11406.2	11442.9	11044.6	11266.9
47.5°	12263.9	12229.7	11921.8	11880.3	12244.3	12254.1	12755.0	12767.2	12124.6	12371.4
50°	13053.1	13004.3	12698.8	12750.1	13158.2	13194.9	14111.2	14028.1	13119.1	13493.0
52.5°	13573.6	13602.9	13536.9	13620.0	14177.1	14211.3	15445.3	15232.7	14103.8	14599.9
55°	13957.2	14015.9	14221.1	14411.7	15252.3	15286.5	16703.7	16378.7	14920.0	15626.1
57.5°	14450.8	14367.7	14751.4	15122.8	16273.7	16364.1	17927.9	17483.2	15643.2	16510.7
60°	15159.4	15100.8	15398.9	15948.7	17417.2	17561.4	19222.9	18477.7	16173.5	17212.0
62.5°	16596.2	16449.6	16496.0	16982.3	18858.9	19049.5	20684.2	19345.1	16437.4	17485.6
65°	18744.0	18492.3	18257.8	18595.0	20889.4	21077.6	22333.5	20026.9	16339.6	16955.4
67.5°	21449.0	21199.7	20911.4	21229.1	23880.2	24029.3	24368.9	20410.5	15569.9	14912.6
70°	23679.9	23587.0	23931.6	25238.8	28657.3	28662.2	26978.6	20092.8	13461.2	10573.0
72.5°	23384.2	23328.0	25143.5	29185.1	34678.0	34548.5	29449.0	17688.4	9067.8	4769.7
75°	19183.8	19547.9	22360.4	29114.2	36840.5	36823.4	27936.4	11244.9	3750.8	1976.8
77.5°	10287.1	10863.8	14516.8	21495.4	28759.9	29192.4	19640.8	3934.0	1610.3	1265.7
80°	3354.9	3858.3	5786.2	10944.4	18687.8	18607.2	8417.8	1544.3	1102.0	896.8
82.5°	1424.6	1483.2	2585.2	5168.0	9590.7	9441.6	2680.5	887.0	774.6	613.3
85°	557.1	623.1	1141.1	2389.7	4153.9	4063.5	967.6	439.8	496.0	400.7
87.5°	183.3	222.4	408.1	818.6	1292.6	1246.2	237.0	151.5	215.0	183.3
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°
6023.2	0°	6023.2	6023.2	6023.2	6023.2	6023.2	6023.2	6023.2	6023.2	6023.2	6023.2
6040.3	2.5°	6074.5	6113.6	6160.0	6228.5	6287.1	6336.0	6387.3	6419.1	6431.3	6467.9
6050.1	5°	6118.5	6204.0	6318.9	6431.3	6541.2	6607.2	6665.8	6695.2	6722.0	6741.6
6077.0	7.5°	6191.8	6301.8	6482.6	6629.2	6722.0	6775.8	6814.9	6805.1	6814.9	6819.8
6106.3	10°	6255.3	6409.3	6624.3	6763.6	6834.4	6836.9	6827.1	6792.9	6775.8	6778.2
6150.3	12.5°	6331.1	6502.1	6734.3	6851.5	6871.1	6817.3	6775.8	6717.2	6695.2	6685.4
6216.2	15°	6433.7	6629.2	6854.0	6898.0	6849.1	6780.7	6709.8	6614.5	6565.7	6526.6
6328.6	17.5°	6558.3	6773.4	6946.8	6915.1	6810.0	6697.6	6582.8	6438.6	6338.4	6296.9
6482.6	20°	6731.8	6924.9	7017.7	6878.4	6719.6	6548.6	6353.1	6177.1	6084.3	6042.8
6678.1	22.5°	6942.0	7127.7	7086.1	6814.9	6590.1	6316.4	6072.1	5942.6	5896.1	5866.8
6929.7	25°	7193.6	7352.5	7135.0	6722.0	6377.5	6008.5	5820.4	5778.9	5756.9	5734.9
7237.6	27.5°	7521.1	7606.6	7171.6	6585.2	6045.2	5681.1	5612.7	5620.0	5612.7	5576.0
7665.2	30°	7953.6	7936.5	7205.9	6362.9	5664.0	5385.5	5390.3	5422.1	5427.0	5402.6
8261.4	32.5°	8522.9	8349.4	7223.0	6074.5	5299.9	5126.4	5131.3	5165.5	5190.0	5148.4
9040.9	35°	9212.0	8830.8	7196.1	5712.9	5018.9	4879.7	4843.0	4852.8	4860.1	4821.0
9986.5	37.5°	10015.9	9370.8	7076.4	5312.1	4786.8	4637.7	4559.6	4493.6	4454.5	4417.8
11056.8	40°	10898.0	9959.7	6856.4	4921.2	4527.8	4381.2	4263.9	4139.3	4007.3	3958.5
12190.6	42.5°	11821.6	10565.7	6590.1	4547.3	4229.7	4110.0	3985.3	3804.5	3606.6	3506.4
13368.3	45°	12779.5	11186.3	6328.6	4178.4	3924.2	3872.9	3728.8	3511.3	3296.3	3169.2
14548.5	47.5°	13717.8	11772.7	5945.0	3807.0	3638.4	3694.6	3582.2	3381.8	3142.3	2942.0
15719.0	50°	14614.5	12322.5	5317.0	3430.7	3406.2	3640.8	3533.3	3245.0	2971.3	2714.7
16867.4	52.5°	15504.0	12767.2	4513.1	3088.6	3281.6	3626.1	3469.8	3152.1	2817.3	2548.6
17947.4	55°	16259.0	12996.9	3738.5	2795.4	3100.8	3501.5	3394.0	3042.1	2599.9	2314.0
18687.8	57.5°	16689.0	12811.2	3093.5	2507.0	2851.6	3296.3	3264.5	2807.6	2340.9	2121.0
18832.0	60°	16503.3	12058.6	2565.7	2255.3	2614.5	3073.9	3039.7	2575.4	2142.9	1935.2
18059.8	62.5°	15479.5	10624.3	2147.8	2035.4	2399.5	2846.7	2814.9	2397.1	1991.4	1791.1
16009.8	65°	13417.2	8642.6	1822.8	1852.2	2182.0	2573.0	2619.4	2248.0	1871.7	1676.2
12386.1	67.5°	10233.3	6260.2	1568.7	1693.3	1969.5	2304.2	2438.6	2140.5	1771.5	1585.8
7166.8	70°	5832.6	3555.3	1353.7	1539.4	1781.3	2055.0	2299.3	2055.0	1664.0	1510.1
2685.4	72.5°	2211.4	1632.3	1170.4	1385.5	1600.5	1844.8	2145.4	1920.6	1539.4	1424.6
<i>1387.9</i>	75°	<i>1180.2</i>	<i>994.5</i>	<i>984.7</i>	<i>1204.6</i>	<i>1392.8</i>	<i>1639.6</i>	<i>1952.3</i>	<i>1788.6</i>	<i>1446.5</i>	<i>1505.2</i>
960.3	77.5°	803.9	703.7	823.5	1031.2	1165.5	1412.3	1747.1	1588.3	1253.5	1248.6
664.6	80°	557.1	498.5	669.5	830.8	901.6	1187.5	1524.7	1363.5	1021.4	953.0
410.5	82.5°	334.8	325.0	500.9	620.6	637.8	916.3	1263.3	1143.6	835.7	728.2
244.3	85°	183.3	193.0	320.1	364.1	371.4	640.2	989.6	884.5	642.6	540.0
88.0	87.5°	51.3	66.0	117.3	144.2	178.4	332.3	588.9	525.4	322.5	224.8
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°
6023.2
6465.5
6746.5
6827.1
6783.1
6680.5
6538.8
6299.3
6037.9
5871.7
5734.9
5583.4
5414.8
5168.0
4847.9
4442.3
3980.4
3518.6
3159.4
2920.0
2692.7
2519.2
2289.6
2091.6
1905.9
1759.3
1644.5
1556.5
1490.5
1405.0
1554.1
1150.9
911.4
733.0
544.9
224.8
0.0

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