

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: P850208

Luminaire Tested: **GLAN-SB7C-835-U-T3**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P850208  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB7C-835-U-T3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 80 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 44128 lumens  
Efficiency: N/A  
Efficacy: 125.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B4 - U0 - G4

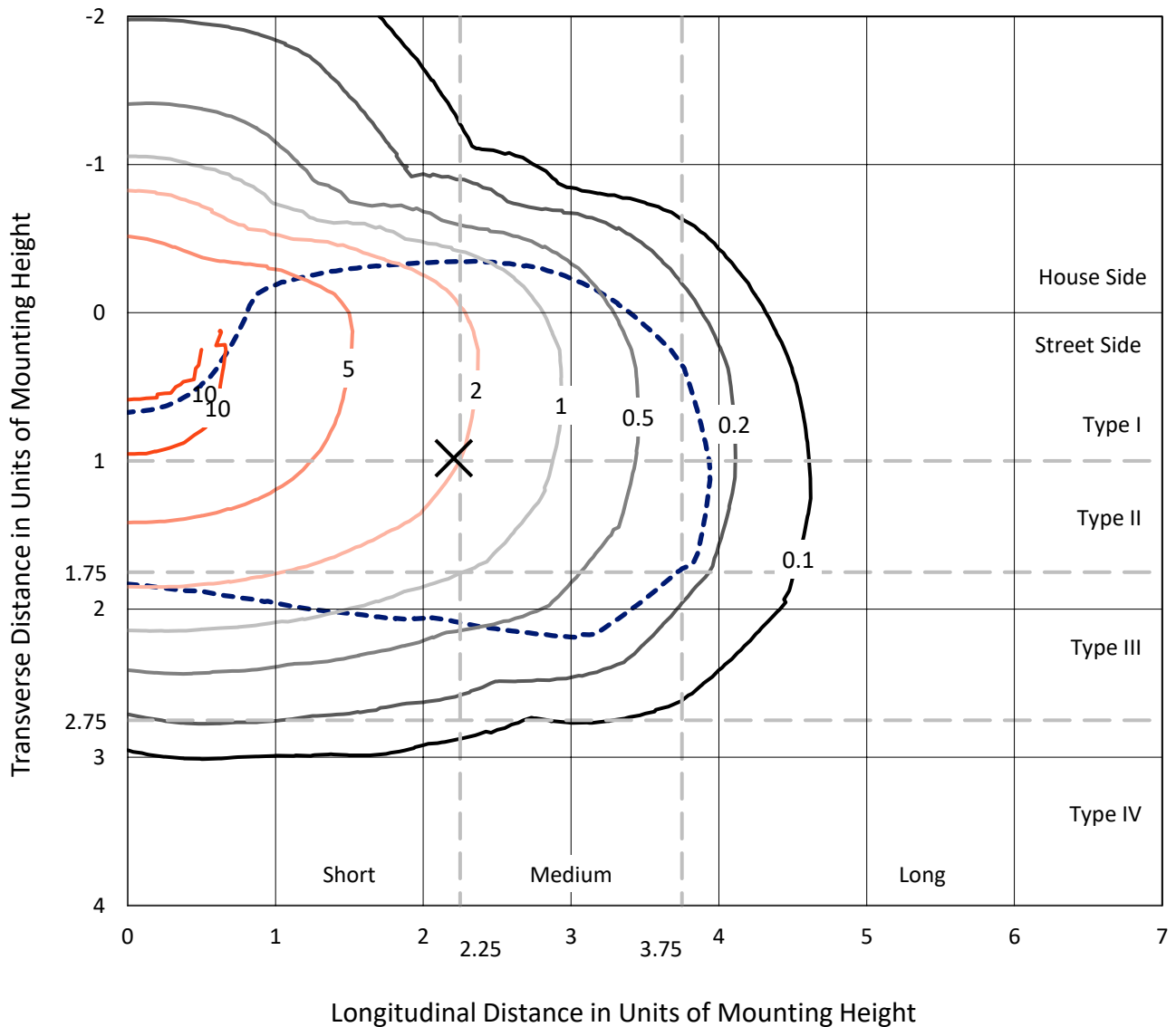
Input Watts (W): 350.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

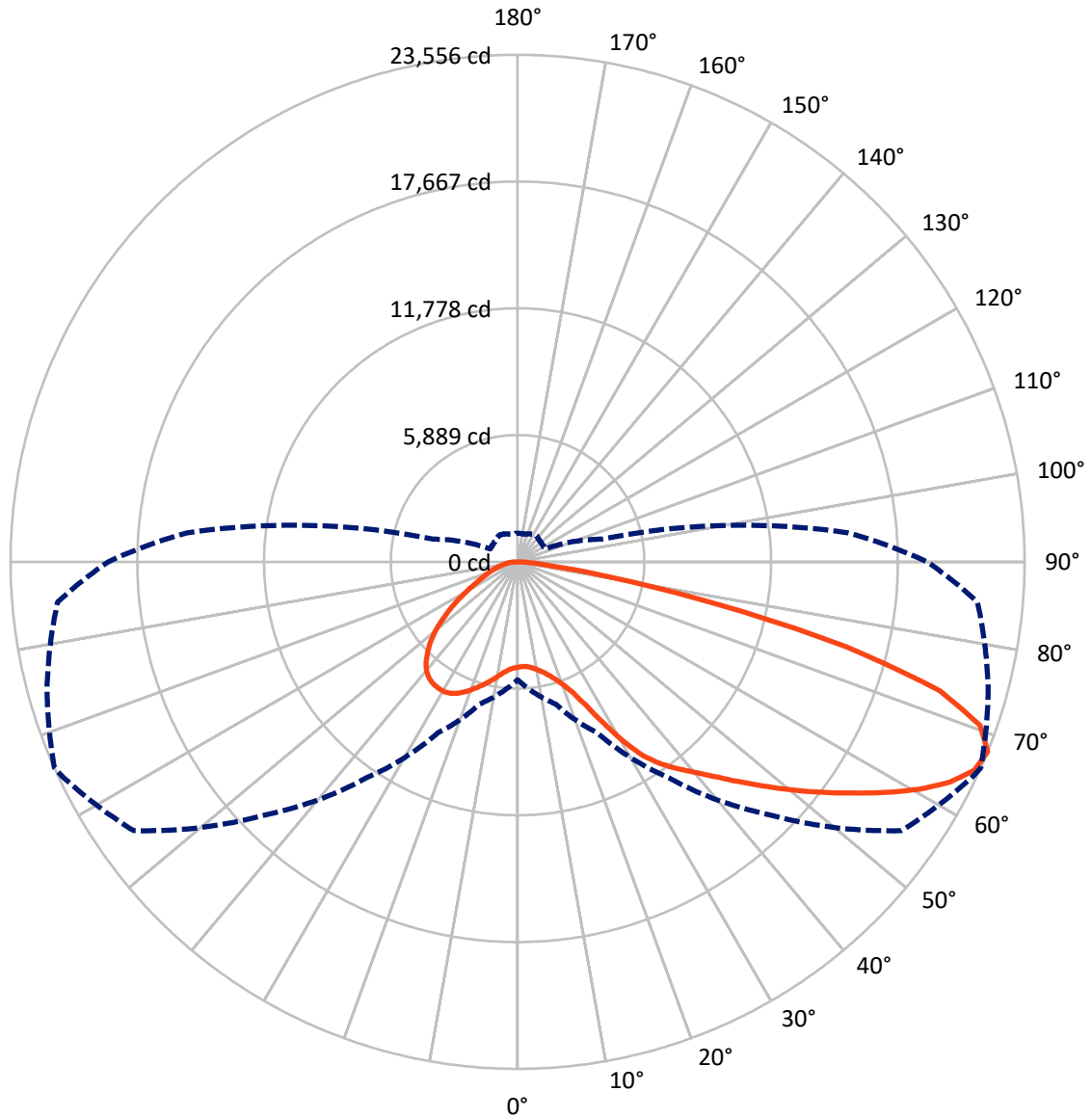
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.1 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	10972.3	0.0	10972.3
	% Fixture	24.9	0.0	24.9
<b>Street Side</b>	Lumens	33155.7	0.0	33155.7
	% Fixture	75.1	0.0	75.1
<b>Total</b>	Lumens	44128.0	0.0	44128.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	485.3	1.1
10°-20°	1603.2	3.6
20°-30°	3090.1	7.0
30°-40°	5418.2	12.3
40°-50°	8055.0	18.3
50°-60°	10210.5	23.1
60°-70°	9990.7	22.6
70°-80°	4765.7	10.8
80°-90°	509.3	1.2
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°	44128.0	100.0
0°-180°	44128.0	100.0

**Coefficient of Utilization**

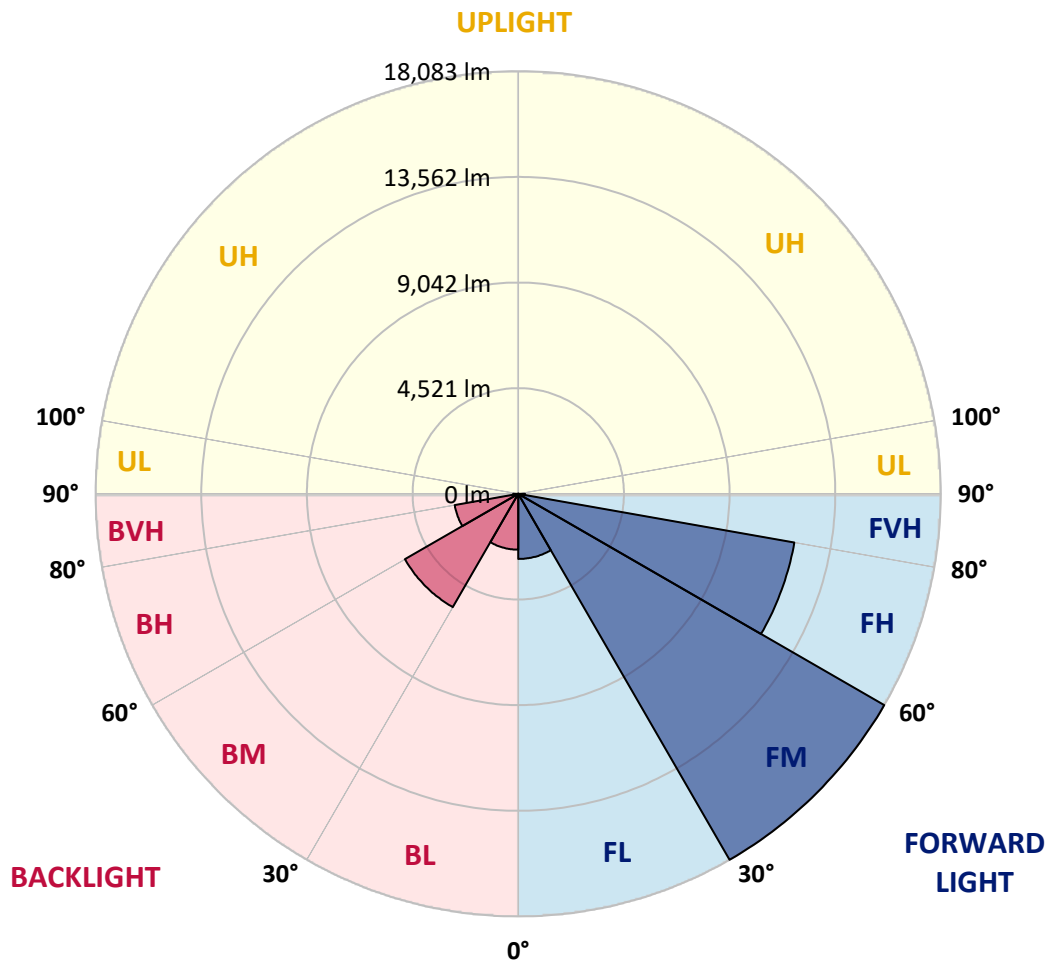


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2788.5	6.3			
FM (30°-60°)	18083.3	41.0			
FH (60°-80°)	11995.2	27.2			G4/12000
FVH (80°-90°)	288.8	0.7			G3/500
BL (0°-30°)	2390.2	5.4	B3/2500		
BM (30°-60°)	5600.4	12.7	B4/8500		
BH (60°-80°)	2761.2	6.3	B4/5000		G4/5000
BVH (80°-90°)	220.6	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G4**  
 Type III Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	4894.4	4894.4	4894.4	4894.4	4894.4	4894.4	4894.4	4894.4	4894.4	4894.4
2.5°	4843.4	4871.2	4864.2	4852.6	4850.3	4855.0	4861.9	4868.9	4866.6	4878.1
5°	4829.5	4857.3	4855.0	4855.0	4864.2	4882.8	4894.4	4906.0	4894.4	4908.3
7.5°	4838.7	4859.6	4868.9	4878.1	4901.3	4936.1	4963.9	4989.4	4975.5	4991.8
10°	4957.0	4973.2	4982.5	4982.5	4998.7	5038.1	5065.9	5112.3	5100.7	5126.2
12.5°	5172.6	5188.8	5188.8	5179.6	5191.1	5216.7	5225.9	5276.9	5256.1	5297.8
15°	5436.9	5469.4	5443.9	5427.6	5432.3	5457.8	5455.5	5494.9	5474.0	5508.8
17.5°	5729.0	5770.8	5729.0	5726.7	5717.5	5745.3	5747.6	5782.4	5745.3	5770.8
20°	6074.5	6132.5	6097.7	6109.3	6088.4	6100.0	6111.6	6162.6	6104.6	6123.2
22.5°	6561.4	6630.9	6593.8	6637.9	6624.0	6614.7	6612.4	6702.8	6612.4	6619.4
25°	7270.9	7354.3	7289.4	7349.7	7349.7	7379.8	7414.6	7530.5	7379.8	7335.8
27.5°	8318.8	8402.3	8274.8	8311.9	8300.3	8374.5	8337.4	8624.9	8462.6	8390.7
30°	9580.1	9728.5	9487.4	9478.1	9466.5	9584.7	9638.1	9828.2	9663.6	9591.7
32.5°	10943.4	11098.7	10811.2	10727.8	10683.7	10755.6	10711.5	10864.5	10750.9	10639.7
35°	12385.5	12538.5	12264.9	12102.6	11926.4	11775.7	11618.1	11657.5	11550.8	11381.6
37.5°	13748.8	14029.3	13739.5	13565.6	13241.0	12946.6	12506.1	12322.9	12223.2	12067.9
40°	15137.6	15297.5	15077.3	14928.9	14576.5	14115.1	13410.3	13023.1	12888.6	12737.9
42.5°	16160.0	16313.0	16194.8	16092.8	15816.9	15281.3	14370.1	13885.6	13690.8	13521.6
45°	16971.5	17085.1	17010.9	17048.0	16929.8	16410.4	15364.8	14810.7	14608.9	14402.6
47.5°	17298.4	17419.0	17537.2	17757.5	17959.2	17576.6	16433.6	15812.3	15598.9	15388.0
50°	17261.3	17384.2	17727.3	18195.7	18821.7	18694.2	17560.4	16878.8	16681.7	16440.6
52.5°	16964.6	17103.7	17544.2	18323.2	19320.2	19531.1	18708.1	17980.1	17794.6	17507.1
55°	16185.5	16269.0	16929.8	18033.4	19438.4	20115.4	19832.5	19153.2	18967.7	18566.6
57.5°	14741.1	14861.7	15823.8	17252.0	19141.6	20511.9	20820.2	20386.7	20208.1	19630.8
60°	12856.1	13048.6	14149.9	15939.8	18385.8	20509.6	21717.5	21599.3	21450.9	20678.8
62.5°	10723.1	10945.7	12005.3	14085.0	17064.2	19927.6	22278.6	22614.8	22538.3	21645.6
65°	8235.4	8388.4	9443.3	11685.3	15007.7	18677.9	22343.5	23308.0	23321.9	22380.6
67.5°	5483.3	5923.8	6839.6	8768.6	12253.3	16635.3	21773.1	23421.6	23556.1	22633.3
70°	2675.6	3255.2	4152.5	5698.9	8768.6	13503.0	20282.3	22489.6	22788.7	21896.0
72.5°	1110.6	1298.4	1787.6	2812.4	5033.5	9111.8	17286.8	19962.4	20516.5	19401.3
75°	748.9	811.5	1022.5	1442.1	2293.0	4493.3	12466.6	14884.8	15777.5	14653.0
77.5°	577.3	616.7	744.2	1008.6	1363.3	1699.5	6672.7	8970.3	9431.7	8731.5
80°	454.4	484.6	556.4	735.0	966.8	908.9	2274.5	4064.4	4331.0	3633.1
82.5°	394.1	405.7	398.8	498.5	642.2	530.9	746.6	1500.1	1655.4	1201.0
85°	285.2	317.6	331.5	308.4	340.8	268.9	306.0	530.9	584.3	521.7
87.5°	115.9	171.6	211.0	199.4	125.2	76.5	95.1	155.3	178.5	194.8
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°
4894.4	0°	4894.4	4894.4	4894.4	4894.4	4894.4	4894.4	4894.4	4894.4	4894.4	4894.4
4896.7	2.5°	4899.0	4915.2	4926.8	4940.7	4950.0	4963.9	4991.8	5008.0	5010.3	5021.9
4933.8	5°	4943.1	4966.3	4991.8	5028.9	5070.6	5105.4	5158.7	5195.8	5209.7	5221.3
5024.2	7.5°	5038.1	5070.6	5117.0	5181.9	5242.2	5288.5	5353.4	5397.5	5441.5	5457.8
5168.0	10°	5179.6	5225.9	5293.2	5381.3	5446.2	5506.5	5573.7	5610.8	5654.9	5673.4
5339.5	12.5°	5355.8	5404.5	5492.6	5615.4	5675.7	5717.5	5740.6	5731.4	5740.6	5756.9
5545.9	15°	5557.5	5610.8	5710.5	5842.6	5884.4	5847.3	5796.3	5749.9	5743.0	5747.6
5796.3	17.5°	5796.3	5835.7	5951.6	6062.9	6032.8	5879.7	5768.5	5694.3	5657.2	5645.6
6116.2	20°	6130.1	6130.1	6225.2	6294.8	6093.0	5833.4	5659.5	5538.9	5462.4	5430.0
6552.1	22.5°	6535.9	6498.8	6559.1	6510.4	6081.5	5703.5	5462.4	5253.7	5137.8	5091.5
7161.9	25°	7050.6	7006.5	6990.3	6688.9	5998.0	5497.2	5105.4	4852.6	4750.6	4725.1
8040.6	27.5°	7827.3	7716.0	7505.0	6786.3	5845.0	5172.6	4688.0	4453.9	4395.9	4398.2
9169.7	30°	8861.4	8638.8	8121.7	6802.5	5594.6	4713.5	4261.4	4094.5	4066.7	4078.3
10118.0	32.5°	9818.9	9607.9	8752.4	6728.3	5209.7	4263.7	3878.9	3767.6	3725.8	3739.8
10841.4	35°	10570.1	10512.1	9336.6	6624.0	4736.7	3841.8	3535.7	3440.7	3359.5	3341.0
11523.0	37.5°	11279.6	11256.4	9774.8	6477.9	4268.4	3542.7	3259.8	3134.6	3016.4	2951.5
12276.5	40°	12058.6	12035.4	10062.3	6253.0	3853.4	3283.0	3011.7	2847.1	2701.1	2582.8
13129.7	42.5°	12935.0	12798.2	10199.1	5930.8	3501.0	3062.8	2810.0	2587.5	2395.0	2286.1
14094.2	45°	13892.5	13584.2	10196.8	5520.4	3204.2	2861.0	2594.4	2279.1	2100.6	1998.6
15084.2	47.5°	14908.0	14335.4	10071.6	5065.9	2916.7	2638.5	2260.5	2019.4	1901.2	1838.6
16160.0	50°	15956.0	15037.9	9858.3	4544.3	2622.2	2385.7	2051.9	1887.3	1796.8	1738.9
17226.5	52.5°	16941.4	15675.5	9601.0	3953.1	2323.1	2140.0	1959.1	1831.6	1736.6	1671.6
18260.6	55°	17857.2	16224.9	9237.0	3347.9	2079.7	1975.4	1915.1	1808.4	1699.5	1623.0
19310.9	57.5°	18671.0	16582.0	8608.6	2779.9	1905.8	1861.8	1868.7	1769.0	1643.8	1578.9
20344.9	60°	19348.0	16844.0	7678.9	2253.6	1764.4	1750.5	1796.8	1694.8	1548.8	1474.6
21219.0	62.5°	19753.7	16839.4	6538.2	1845.5	1643.8	1648.5	1701.8	1602.1	1453.7	1384.2
21675.8	65°	19718.9	16426.7	5286.2	1578.9	1527.9	1532.5	1602.1	1500.1	1374.9	1333.1
21446.2	67.5°	19021.1	15420.4	4055.1	1405.0	1400.4	1421.2	1502.4	1430.5	1326.2	1321.6
20078.3	70°	17131.5	13331.4	2921.3	1265.9	1268.2	1298.4	1405.0	1386.5	1300.7	1310.0
16881.1	72.5°	13737.2	10164.4	1961.5	1119.8	1122.2	1170.8	1312.3	1351.7	1275.2	1398.1
11977.4	75°	9148.8	6338.8	1261.3	964.5	966.8	1029.4	1231.1	1284.5	1205.6	1393.4
6232.2	77.5°	4395.9	2849.5	913.5	811.5	811.5	869.4	1064.2	1150.0	1027.1	1082.7
2003.2	80°	1518.6	1071.2	718.7	653.8	639.9	679.3	897.3	997.0	885.7	816.1
653.8	82.5°	598.2	556.4	577.3	507.8	461.4	486.9	697.9	823.1	651.5	588.9
368.6	85°	343.1	361.7	408.1	336.2	266.6	299.1	512.4	591.2	491.5	433.6
120.6	87.5°	92.7	127.5	187.8	173.9	120.6	127.5	243.4	326.9	282.9	217.9
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°
4894.4
5019.6
5219.0
5460.1
5682.7
5761.5
5763.8
5661.8
5423.0
5084.5
4729.8
4405.2
4117.7
3758.3
3354.9
2953.8
2594.4
2293.0
1993.9
1824.7
1718.0
1643.8
1592.8
1537.2
1442.1
1363.3
1330.8
1328.5
1307.6
1416.6
1405.0
992.3
765.1
586.6
442.8
224.9
0.0

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