

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: P848278

Luminaire Tested: **GLAN-SB4D-735-U-T3**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P848278  
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-SB4D-735-U-T3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 70 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 40048 lumens  
Efficiency: N/A  
Efficacy: 136.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B4 - U0 - G4

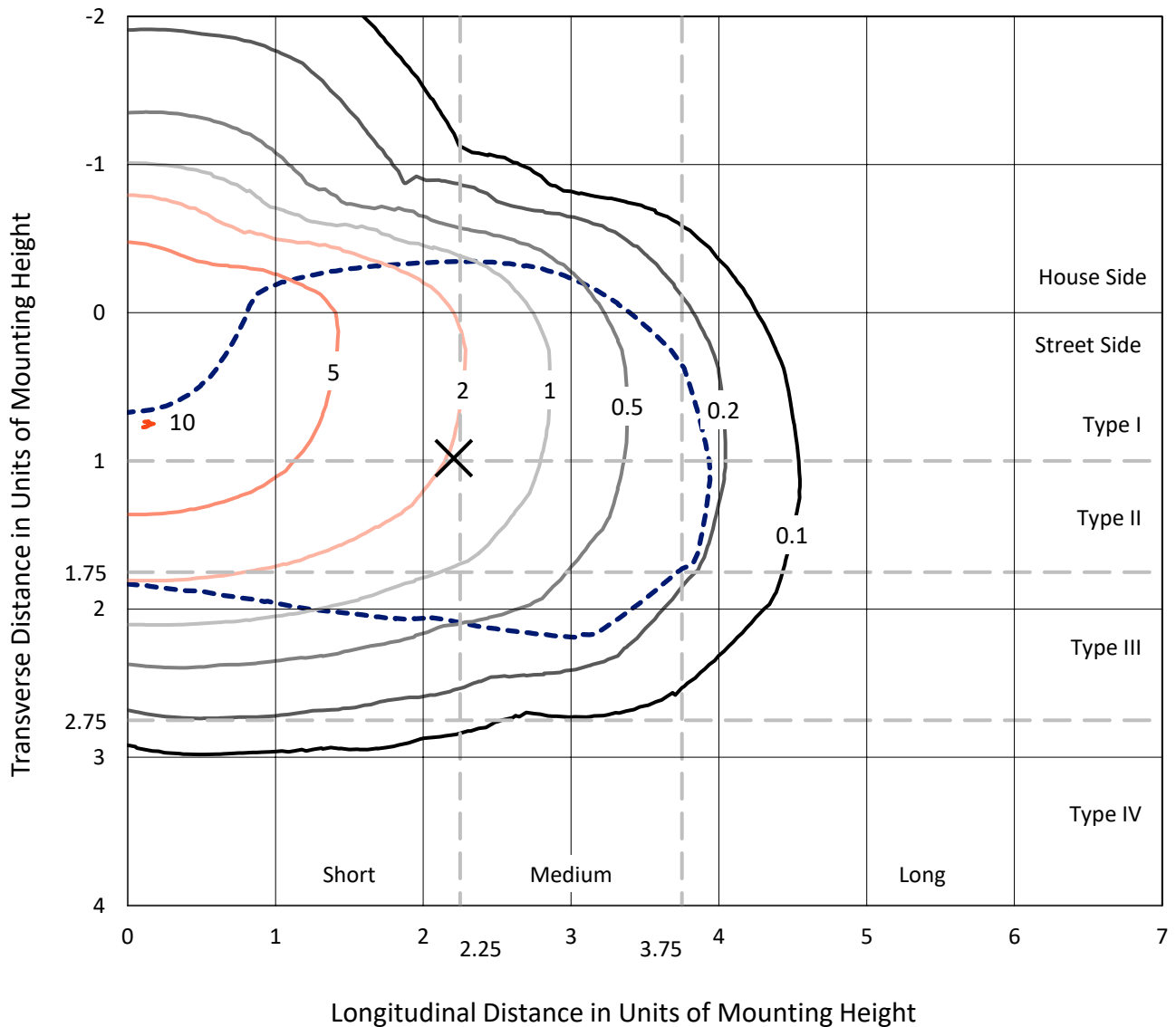
Input Watts (W): 293.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

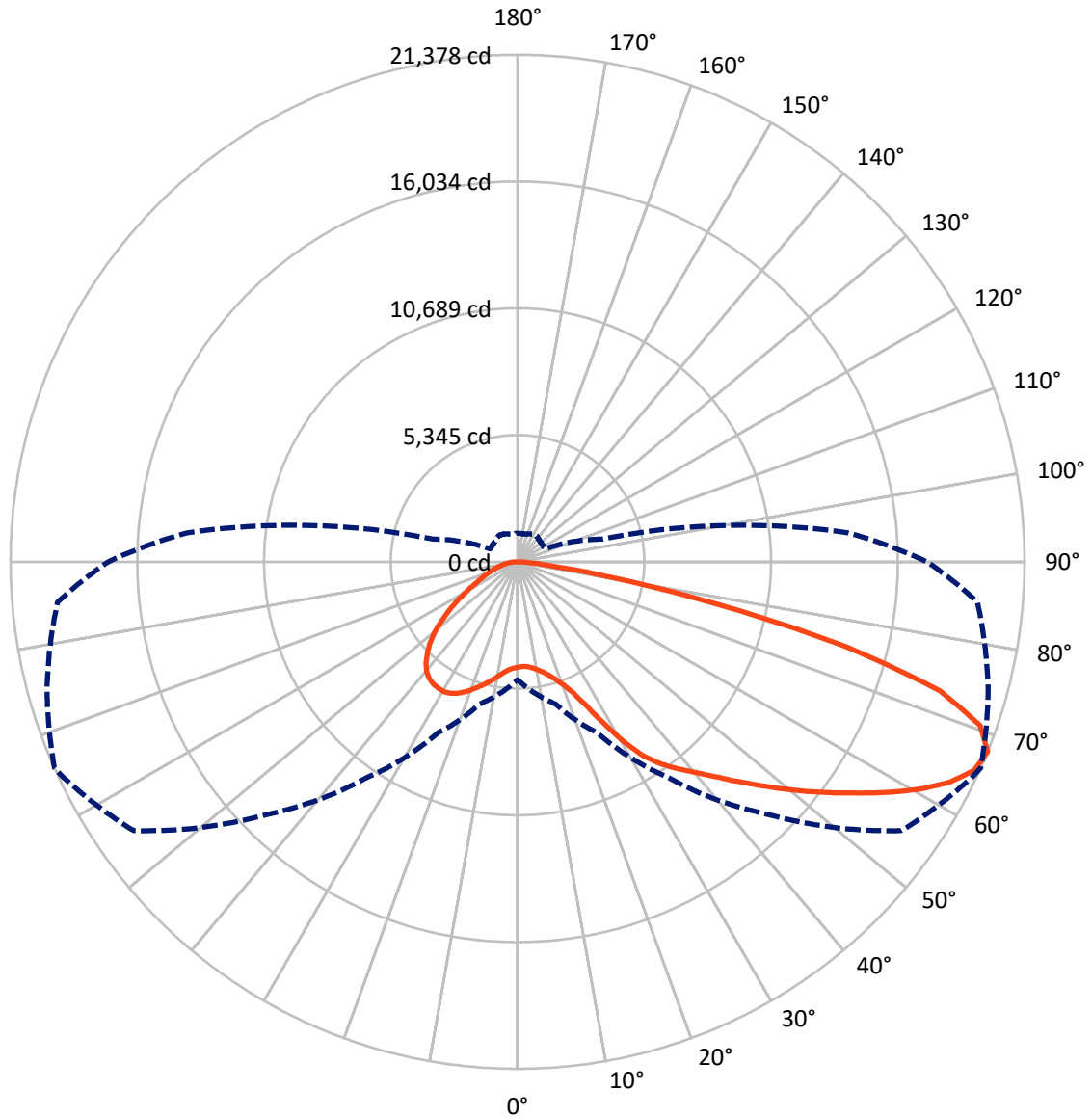
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.1 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	9957.8	0.0	9957.8
	% Fixture	24.9	0.0	24.9
<b>Street Side</b>	Lumens	30090.2	0.0	30090.2
	% Fixture	75.1	0.0	75.1
<b>Total</b>	Lumens	40048.0	0.0	40048.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	440.4	1.1
10°-20°	1455.0	3.6
20°-30°	2804.4	7.0
30°-40°	4917.2	12.3
40°-50°	7310.3	18.3
50°-60°	9266.5	23.1
60°-70°	9067.0	22.6
70°-80°	4325.0	10.8
80°-90°	462.2	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°	40048.0	100.0
0°-180°	40048.0	100.0

**Coefficient of Utilization**

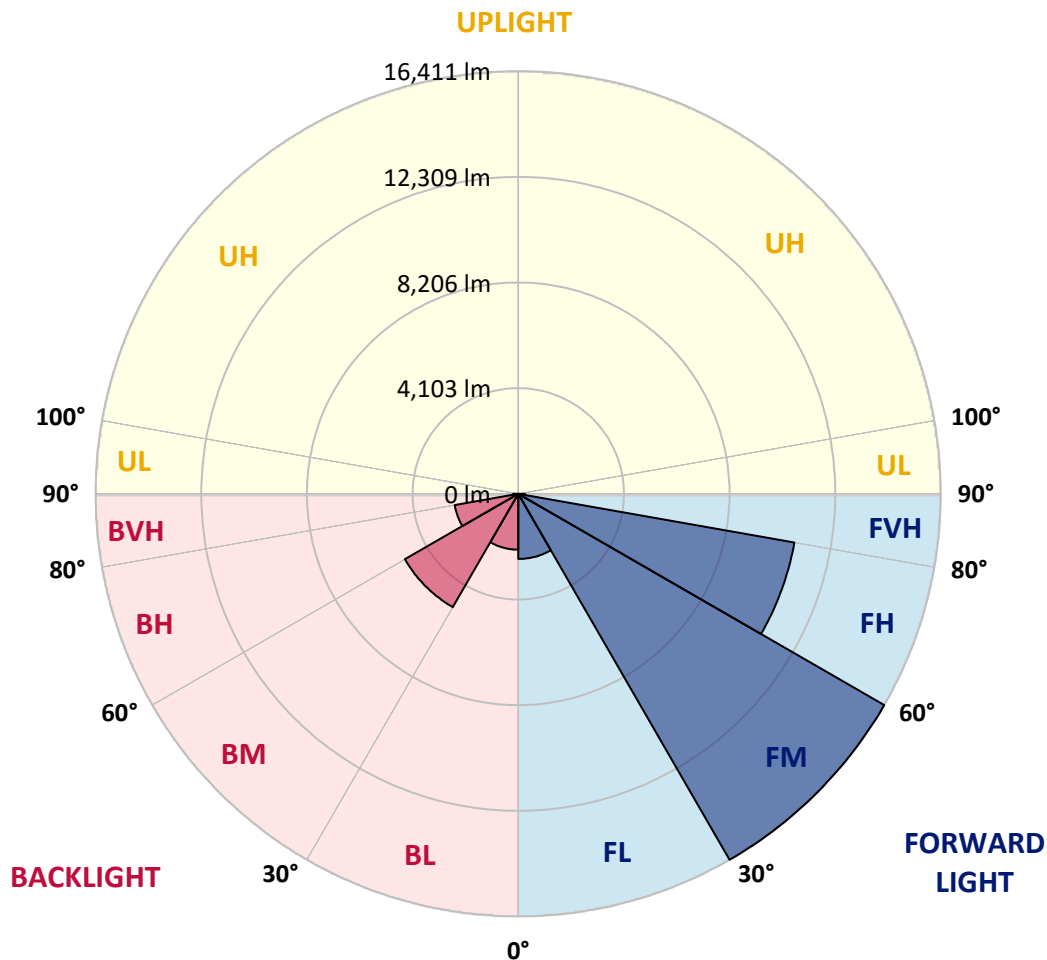


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2530.6	6.3			
FM (30°-60°)	16411.3	41.0			
FH (60°-80°)	10886.1	27.2			G4/12000
FVH (80°-90°)	262.1	0.7			G3/500
BL (0°-30°)	2169.2	5.4	B3/2500		
BM (30°-60°)	5082.6	12.7	B4/8500		
BH (60°-80°)	2505.9	6.3	B4/5000		G4/5000
BVH (80°-90°)	200.2	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°	4441.9	4441.9	4441.9	4441.9	4441.9	4441.9	4441.9	4441.9	4441.9	4441.9
2.5°	4395.6	4420.8	4414.5	4404.0	4401.9	4406.1	4412.4	4418.7	4416.6	4427.1
5°	4382.9	4408.2	4406.1	4406.1	4414.5	4431.3	4441.9	4452.4	4441.9	4454.5
7.5°	4391.4	4410.3	4418.7	4427.1	4448.2	4479.7	4505.0	4528.1	4515.5	4530.2
10°	4498.7	4513.4	4521.8	4521.8	4536.5	4572.3	4597.6	4639.6	4629.1	4652.3
12.5°	4694.3	4709.1	4709.1	4700.7	4711.2	4734.3	4742.7	4789.0	4770.1	4808.0
15°	4934.2	4963.7	4940.5	4925.8	4930.0	4953.2	4951.1	4986.8	4967.9	4999.5
17.5°	5199.3	5237.2	5199.3	5197.2	5188.8	5214.1	5216.2	5247.7	5214.1	5237.2
20°	5512.9	5565.5	5533.9	5544.4	5525.5	5536.0	5546.5	5592.8	5540.2	5557.0
22.5°	5954.7	6017.9	5984.2	6024.2	6011.5	6003.1	6001.0	6083.1	6001.0	6007.3
25°	6598.6	6674.4	6615.4	6670.1	6670.1	6697.5	6729.1	6834.3	6697.5	6657.5
27.5°	7549.7	7625.4	7509.7	7543.4	7532.8	7600.2	7566.5	7827.4	7680.1	7614.9
30°	8694.3	8829.0	8610.2	8601.7	8591.2	8698.5	8746.9	8919.5	8770.1	8704.9
32.5°	9931.6	10072.5	9811.6	9735.9	9695.9	9761.1	9721.2	9860.0	9756.9	9655.9
35°	11240.3	11379.2	11130.9	10983.6	10823.7	10687.0	10543.9	10579.6	10482.9	10329.3
37.5°	12477.6	12732.2	12469.2	12311.4	12016.8	11749.6	11349.8	11183.5	11093.1	10952.1
40°	13738.0	13883.2	13683.3	13548.6	13228.8	12810.0	12170.4	11819.0	11696.9	11560.2
42.5°	14665.9	14804.8	14697.5	14604.9	14354.5	13868.4	13041.5	12601.7	12425.0	12271.4
45°	15402.3	15505.5	15438.1	15471.8	15364.5	14893.1	13944.2	13441.3	13258.2	13071.0
47.5°	15699.0	15808.4	15915.8	16115.7	16298.7	15951.5	14914.2	14350.3	14156.7	13965.2
50°	15665.4	15776.9	16088.3	16513.3	17081.5	16965.7	15936.8	15318.2	15139.3	14920.5
52.5°	15396.0	15522.3	15922.1	16629.1	17533.8	17725.3	16978.4	16317.7	16149.3	15888.4
55°	14689.0	14764.8	15364.5	16366.0	17641.2	18255.6	17998.9	17382.4	17214.0	16850.0
57.5°	13378.2	13487.6	14360.8	15657.0	17371.8	18615.4	18895.2	18501.8	18339.7	17815.8
60°	11667.5	11842.1	12841.6	14466.0	16685.9	18613.3	19709.5	19602.2	19467.6	18766.9
62.5°	9731.7	9933.7	10895.3	12782.7	15486.5	18085.1	20218.7	20523.8	20454.4	19644.3
65°	7473.9	7612.8	8570.2	10604.9	13620.1	16951.0	20277.7	21153.0	21165.6	20311.3
67.5°	4976.3	5376.1	6207.2	7957.9	11120.4	15097.2	19760.0	21256.1	21378.1	20540.7
70°	2428.2	2954.2	3768.5	5172.0	7957.9	12254.5	18407.1	20410.2	20681.7	19871.6
72.5°	1007.9	1178.3	1622.3	2552.3	4568.1	8269.3	15688.5	18116.7	18619.6	17607.5
75°	679.6	736.5	927.9	1308.8	2081.0	4077.8	11314.0	13508.6	14318.7	13298.2
77.5°	523.9	559.7	675.4	915.3	1237.2	1542.3	6055.7	8140.9	8559.7	7924.2
80°	412.4	439.8	505.0	667.0	877.4	824.8	2064.2	3688.6	3930.5	3297.2
82.5°	357.7	368.2	361.9	452.4	582.8	481.8	677.5	1361.4	1502.4	1089.9
85°	258.8	288.3	300.9	279.9	309.3	244.1	277.7	481.8	530.2	473.4
87.5°	105.2	155.7	191.5	181.0	113.6	69.4	86.3	141.0	162.0	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°
4441.9	0°	4441.9	4441.9	4441.9	4441.9	4441.9	4441.9	4441.9	4441.9	4441.9	4441.9
4444.0	2.5°	4446.1	4460.8	4471.3	4483.9	4492.4	4505.0	4530.2	4545.0	4547.1	4557.6
4477.6	5°	4486.0	4507.1	4530.2	4563.9	4601.8	4633.3	4681.7	4715.4	4728.0	4738.5
4559.7	7.5°	4572.3	4601.8	4643.9	4702.8	4757.5	4799.6	4858.5	4898.5	4938.4	4953.2
4690.1	10°	4700.7	4742.7	4803.8	4883.7	4942.6	4997.3	5058.4	5092.0	5132.0	5148.8
4845.8	12.5°	4860.6	4904.8	4984.7	5096.2	5150.9	5188.8	5209.9	5201.4	5209.9	5224.6
5033.1	15°	5043.6	5092.0	5182.5	5302.4	5340.3	5306.7	5260.4	5218.3	5212.0	5216.2
5260.4	17.5°	5260.4	5296.1	5401.3	5502.3	5475.0	5336.1	5235.1	5167.8	5134.1	5123.6
5550.7	20°	5563.4	5563.4	5649.6	5712.8	5529.7	5294.0	5136.2	5026.8	4957.4	4927.9
5946.3	22.5°	5931.6	5897.9	5952.6	5908.4	5519.2	5176.2	4957.4	4768.0	4662.8	4620.7
6499.7	25°	6398.7	6358.7	6344.0	6070.5	5443.4	4988.9	4633.3	4404.0	4311.4	4288.2
7297.2	27.5°	7103.6	7002.6	6811.1	6158.8	5304.6	4694.3	4254.6	4042.1	3989.5	3991.6
8321.9	30°	8042.0	7840.0	7370.8	6173.6	5077.3	4277.7	3867.4	3715.9	3690.7	3701.2
9182.5	32.5°	8911.1	8719.6	7943.2	6106.2	4728.0	3869.5	3520.2	3419.2	3381.4	3394.0
9839.0	35°	9592.8	9540.2	8473.4	6011.5	4298.8	3486.6	3208.8	3122.6	3048.9	3032.1
10457.6	37.5°	10236.7	10215.6	8871.1	5879.0	3873.7	3215.1	2958.4	2844.8	2737.5	2678.6
11141.5	40°	10943.7	10922.6	9132.0	5674.9	3497.1	2979.5	2733.3	2583.9	2451.3	2344.0
11915.8	42.5°	11739.0	11614.9	9256.1	5382.4	3177.3	2779.6	2550.2	2348.2	2173.6	2074.7
12791.1	45°	12608.0	12328.2	9254.0	5010.0	2907.9	2596.5	2354.5	2068.4	1906.4	1813.8
13689.6	47.5°	13529.7	13009.9	9140.4	4597.6	2647.0	2394.5	2051.5	1832.7	1725.4	1668.6
14665.9	50°	14480.7	13647.5	8946.8	4124.1	2379.8	2165.2	1862.2	1712.8	1630.7	1578.1
15633.8	52.5°	15375.0	14226.1	8713.3	3587.6	2108.4	1942.1	1778.0	1662.3	1576.0	1517.1
16572.3	55°	16206.1	14724.8	8382.9	3038.4	1887.4	1792.7	1738.0	1641.2	1542.3	1472.9
17525.4	57.5°	16944.7	15048.9	7812.7	2522.9	1729.6	1689.6	1695.9	1605.5	1491.8	1432.9
18463.9	60°	17559.1	15286.6	6968.9	2045.2	1601.3	1588.6	1630.7	1538.1	1405.6	1338.2
19257.1	62.5°	17927.3	15282.4	5933.7	1674.9	1491.8	1496.0	1544.4	1454.0	1319.3	1256.2
19671.7	65°	17895.8	14907.9	4797.5	1432.9	1386.6	1390.8	1454.0	1361.4	1247.8	1209.9
19463.4	67.5°	17262.4	13994.7	3680.2	1275.1	1270.9	1289.8	1363.5	1298.3	1203.6	1199.4
18221.9	70°	15547.5	12098.8	2651.2	1148.9	1151.0	1178.3	1275.1	1258.3	1180.4	1188.8
15320.3	72.5°	12467.1	9224.6	1780.1	1016.3	1018.4	1062.6	1190.9	1226.7	1157.3	1268.8
10870.0	75°	8303.0	5752.7	1144.7	875.3	877.4	934.2	1117.3	1165.7	1094.2	1264.6
5655.9	77.5°	3989.5	2586.0	829.0	736.5	736.5	789.1	965.8	1043.7	932.1	982.6
1818.0	80°	1378.2	972.1	652.3	593.4	580.7	616.5	814.3	904.8	803.8	740.7
593.4	82.5°	542.9	505.0	523.9	460.8	418.7	441.9	633.3	747.0	591.3	534.5
334.6	85°	311.4	328.2	370.3	305.1	242.0	271.4	465.0	536.6	446.1	393.5
109.4	87.5°	84.2	115.7	170.4	157.8	109.4	115.7	220.9	296.7	256.7	197.8
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°
4441.9
4555.5
4736.4
4955.3
5157.3
5228.8
5230.9
5138.3
4921.6
4614.4
4292.5
3997.9
3737.0
3410.8
3044.7
2680.7
2354.5
2081.0
1809.6
1656.0
1559.2
1491.8
1445.5
1395.0
1308.8
1237.2
1207.8
1205.7
1186.7
1285.6
1275.1
900.6
694.4
532.3
401.9
204.1
0.0

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