

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: P848786

Luminaire Tested: **GLAN-SB5C-735-U-T2**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P848786  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB5C-735-U-T2  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 36784 lumens  
Efficiency: N/A  
Efficacy: 147.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B4 - U0 - G4

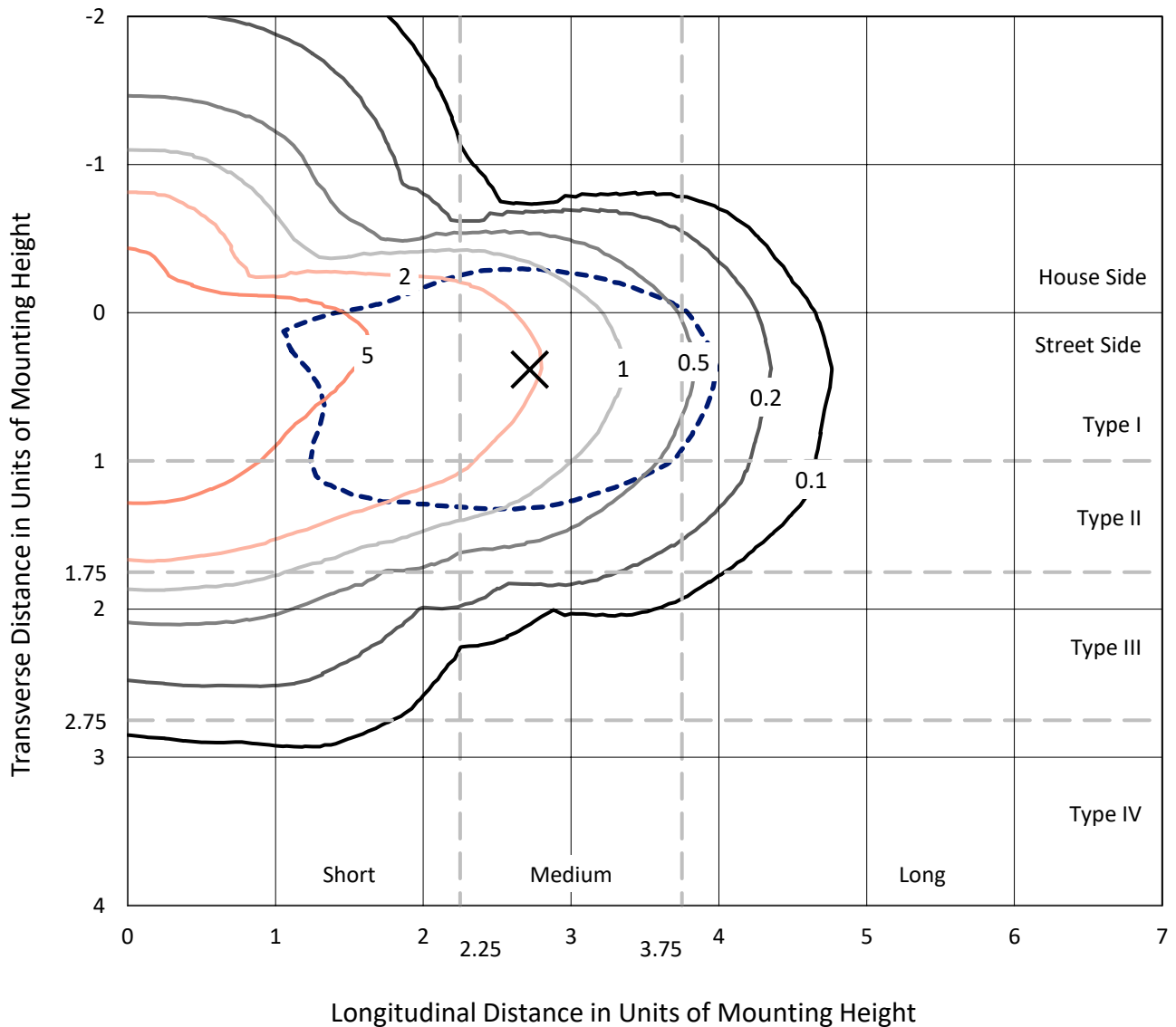
Input Watts (W): 249.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

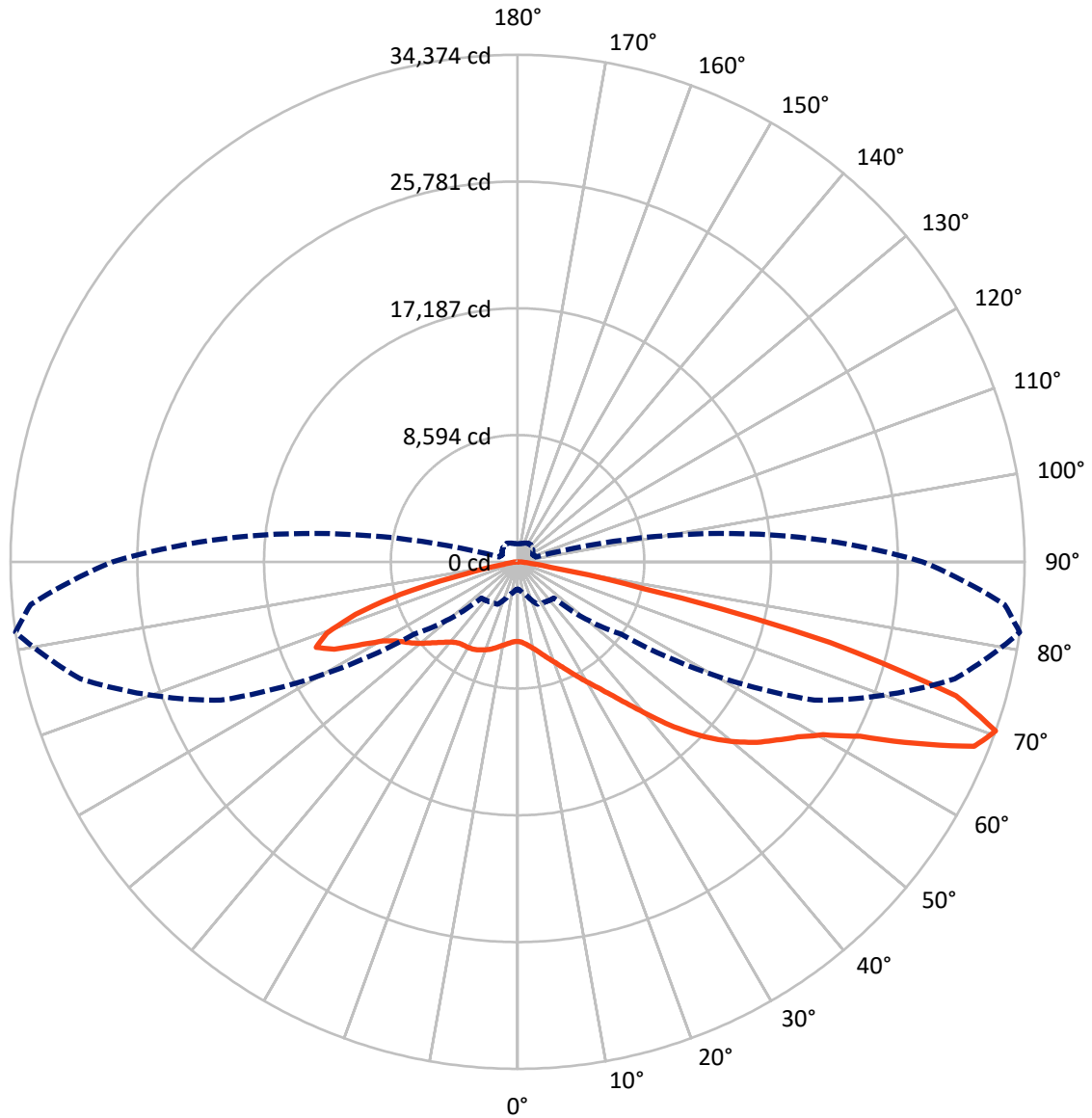
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.8 fc  
 Type II - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	9068.2	0.0	9068.2
	% Fixture	24.7	0.0	24.7
<b>Street Side</b>	Lumens	27715.8	0.0	27715.8
	% Fixture	75.3	0.0	75.3
<b>Total</b>	Lumens	36784.0	0.0	36784.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	509.2	1.4
10°-20°	1462.9	4.0
20°-30°	2447.4	6.7
30°-40°	3823.4	10.4
40°-50°	6089.2	16.6
50°-60°	8473.9	23.0
60°-70°	8864.1	24.1
70°-80°	4632.8	12.6
80°-90°	481.1	1.3
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°	36784.0	100.0
0°-180°	36784.0	100.0

**Coefficient of Utilization**

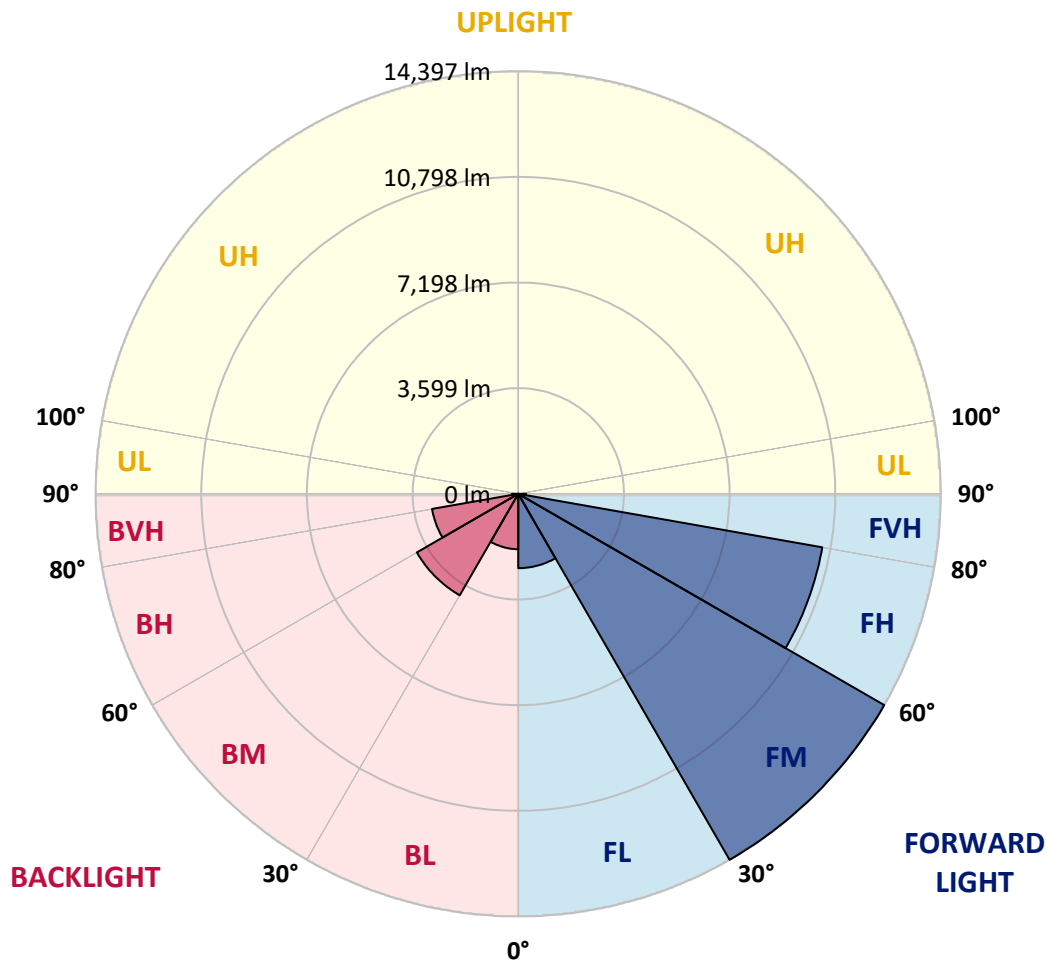


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2533.0	6.9			
FM (30°-60°)	14396.9	39.1			
FH (60°-80°)	10516.7	28.6			G4/12000
FVH (80°-90°)	269.3	0.7			G3/500
BL (0°-30°)	1886.5	5.1	B3/2500		
BM (30°-60°)	3989.6	10.8	B3/5000		
BH (60°-80°)	2980.3	8.1	B4/5000		G4/5000
BVH (80°-90°)	211.8	0.6			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 II Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	5393.0	5393.0	5393.0	5393.0	5393.0	5393.0	5393.0	5393.0	5393.0	5393.0
2.5°	5521.8	5553.0	5543.3	5533.5	5533.5	5519.9	5517.9	5498.4	5482.8	5457.4
5°	5592.1	5625.3	5621.4	5629.2	5654.5	5660.4	5666.3	5654.5	5623.3	5592.1
7.5°	5529.6	5566.7	5578.4	5625.3	5703.3	5773.6	5826.3	5847.8	5818.5	5773.6
10°	5318.8	5359.8	5400.8	5512.1	5650.6	5816.5	5957.1	6041.0	6035.2	5992.2
12.5°	4891.4	4934.3	5022.1	5238.8	5492.5	5785.3	6046.9	6222.5	6283.0	6251.8
15°	4549.8	4586.9	4653.2	4875.8	5205.6	5650.6	6080.0	6421.6	6575.8	6558.3
17.5°	4540.0	4555.6	4596.6	4702.0	4955.8	5439.8	6044.9	6616.8	6911.5	6909.6
20°	4711.8	4717.7	4741.1	4762.5	4907.0	5279.8	5955.1	6778.8	7288.3	7288.3
22.5°	4949.9	4946.0	4969.4	4949.9	5020.2	5266.1	5898.5	6921.3	7707.9	7739.1
25°	5307.1	5287.6	5281.7	5236.8	5250.5	5393.0	5961.0	7083.3	8205.6	8270.0
27.5°	5783.4	5752.1	5730.7	5627.2	5592.1	5654.5	6152.3	7278.5	8760.0	8871.2
30°	6404.1	6347.5	6316.2	6136.7	6009.8	6019.5	6441.1	7538.1	9339.7	9519.2
32.5°	7251.2	7163.3	7079.4	6784.7	6552.4	6476.3	6813.9	7897.2	9968.2	10255.1
35°	8199.8	8129.5	8039.7	7584.9	7227.7	7052.1	7317.5	8398.9	10704.0	11158.8
37.5°	9113.2	9052.7	9095.7	8482.8	8022.2	7766.5	7977.3	9072.3	11611.6	12283.1
40°	10057.9	10011.1	10017.0	9431.4	8894.6	8607.7	8777.5	9917.4	12652.0	13620.1
42.5°	11084.6	11049.5	10932.4	10413.2	9810.1	9542.7	9698.8	10893.3	13768.4	15142.5
45°	12234.3	12212.8	12103.5	11508.2	10817.2	10516.6	10727.4	11970.8	14890.8	16575.2
47.5°	13227.8	13245.3	13231.7	12730.0	12013.7	11572.6	11824.4	13095.0	15935.0	17922.0
50°	13706.0	13797.7	13932.4	13776.2	13331.2	12882.3	12931.1	14180.3	16930.4	19184.9
52.5°	13456.1	13629.9	13996.8	14246.6	14418.4	14324.7	14193.9	15257.7	17867.3	20324.7
55°	12525.1	12769.1	13378.1	13981.2	14857.6	15538.8	15710.5	16452.2	18780.8	21328.0
57.5°	10828.9	11225.2	11771.7	12991.6	14467.2	16126.3	17478.9	18109.4	19748.9	22399.6
60°	7920.7	8451.6	9130.8	10946.0	13100.9	15812.0	18983.8	20654.6	21125.0	23787.3
62.5°	5069.0	5396.9	6021.5	7731.3	10208.2	14201.7	19444.4	23836.1	23457.5	26063.2
65°	3470.4	3681.2	4253.1	5213.4	6599.2	10571.3	18210.9	26221.3	27162.1	29670.3
67.5°	2521.8	2681.9	3169.8	4011.1	4300.0	6255.7	14131.5	26112.0	30763.3	33386.6
70°	1838.7	1951.9	2361.8	3169.8	3308.4	3480.2	8560.9	22196.6	30685.2	34374.2
72.5°	1362.4	1440.5	1715.7	2459.3	2678.0	2350.0	4237.5	16132.1	26367.7	31091.2
75°	985.7	1044.2	1247.2	1881.6	2143.1	1789.9	2113.9	9427.5	18392.4	21870.6
77.5°	753.4	798.3	931.0	1378.0	1715.7	1342.9	1311.7	4337.0	8720.9	8763.9
80°	605.1	634.4	706.6	970.1	1315.6	1005.2	854.9	1750.8	2756.0	2332.5
82.5°	445.0	493.8	597.3	681.2	940.8	692.9	521.1	884.2	1048.1	901.8
85°	253.7	286.9	361.1	488.0	601.2	423.6	298.6	392.3	488.0	400.1
87.5°	89.8	117.1	126.9	191.3	261.5	175.7	115.2	113.2	160.1	119.1
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°
5393.0	0°	5393.0	5393.0	5393.0	5393.0	5393.0	5393.0	5393.0	5393.0	5393.0	5393.0
5451.6	2.5°	5432.0	5422.3	5383.2	5330.5	5275.9	5223.2	5205.6	5168.5	5143.2	5129.5
5578.4	5°	5541.3	5510.1	5418.4	5301.3	5178.3	5045.6	4951.9	4866.0	4803.5	4745.0
5752.1	7.5°	5697.5	5642.8	5484.7	5279.8	5061.2	4840.6	4676.7	4551.7	4467.8	4413.2
5955.1	10°	5879.0	5795.1	5553.0	5246.6	4908.9	4592.7	4399.5	4292.1	4239.4	4210.2
6187.4	12.5°	6087.9	5968.8	5623.3	5170.5	4676.7	4315.6	4182.8	4151.6	4153.6	4155.5
6480.2	15°	6345.5	6179.6	5679.9	5004.6	4374.1	4102.8	4079.4	4130.1	4182.8	4208.2
6812.0	17.5°	6636.3	6402.1	5689.7	4731.3	4077.4	3966.2	4040.4	4149.7	4229.7	4264.8
7182.9	20°	6948.6	6628.5	5619.4	4344.8	3833.5	3854.9	3987.7	4128.2	4216.0	4260.9
7606.4	22.5°	7305.8	6870.6	5451.6	3938.9	3634.4	3733.9	3890.1	4026.7	4118.4	4163.3
8104.1	25°	7713.8	7141.9	5188.0	3597.3	3462.6	3597.3	3753.4	3866.6	3940.8	3981.8
8660.4	27.5°	8166.6	7424.9	4836.7	3326.0	3312.3	3456.7	3585.6	3673.4	3712.4	3743.7
9251.8	30°	8621.4	7682.5	4411.2	3121.0	3181.5	3318.2	3409.9	3448.9	3460.7	3466.5
9911.6	32.5°	9113.2	7905.0	3964.2	2951.2	3056.6	3183.5	3238.1	3255.7	3201.1	3164.0
10711.8	35°	9708.6	8143.2	3527.0	2816.5	2933.6	3043.0	3060.5	3044.9	2980.5	2904.4
11715.1	37.5°	10444.4	8439.9	3177.6	2720.9	2818.5	2890.7	2869.2	2865.3	2871.2	2781.4
12921.3	40°	11346.2	8826.3	2921.9	2646.7	2724.8	2740.4	2679.9	2713.1	2742.4	2605.7
14244.7	42.5°	12347.5	9292.8	2759.9	2596.0	2646.7	2609.6	2515.9	2553.0	2549.1	2369.6
15573.9	45°	13368.3	9800.3	2703.3	2558.9	2574.5	2500.3	2396.9	2406.6	2324.7	2162.7
16848.5	47.5°	14383.3	10344.9	2738.5	2527.7	2484.7	2400.8	2320.8	2277.8	2156.8	2035.8
18070.3	50°	15378.7	10916.8	2867.3	2465.2	2361.8	2313.0	2254.4	2178.3	2049.5	1946.0
19225.8	52.5°	16302.0	11492.6	3011.7	2361.8	2207.6	2236.8	2199.7	2111.9	1985.0	1879.6
20318.9	55°	17176.4	12068.4	3068.3	2219.3	2063.1	2170.5	2149.0	1987.0	1834.8	1748.9
21462.7	57.5°	18128.9	12761.3	3005.9	2037.7	1946.0	2094.3	2012.4	1832.8	1745.0	1680.6
22951.9	60°	19448.4	13848.5	2871.2	1813.3	1834.8	1981.1	1840.6	1766.4	1670.8	1598.6
25184.9	62.5°	21640.3	15876.4	2654.5	1590.8	1704.0	1813.3	1758.6	1684.5	1586.9	1516.6
29002.7	65°	24880.4	18694.9	2246.6	1417.1	1557.6	1649.3	1670.8	1596.6	1495.1	1421.0
32348.2	67.5°	27613.0	20463.3	1700.1	1272.6	1407.3	1516.6	1577.1	1504.9	1397.5	1325.3
33130.9	70°	27462.7	19179.0	1298.0	1130.1	1274.6	1385.8	1463.9	1407.3	1292.1	1223.8
30093.8	72.5°	24392.4	16044.3	1050.1	985.7	1139.9	1249.2	1342.9	1299.9	1182.8	1116.5
22046.3	75°	17920.0	11389.1	839.3	839.3	972.0	1106.7	1210.2	1182.8	1075.5	1028.6
9255.7	77.5°	7553.7	4778.2	657.8	696.8	808.1	950.6	1079.4	1089.1	995.4	1054.0
2447.6	80°	2008.5	1317.5	501.6	548.5	634.4	784.6	938.8	934.9	833.4	778.8
909.6	82.5°	765.1	519.2	357.2	386.5	458.7	601.2	743.7	767.1	665.6	575.8
357.2	85°	294.7	222.5	220.6	232.3	267.4	398.2	562.1	581.7	501.6	425.5
99.5	87.5°	76.1	66.4	82.0	78.1	123.0	212.8	322.1	333.8	306.4	177.6
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°
5393.0
5145.1
4768.4
4424.9
4218.0
4159.4
4206.3
4272.6
4272.6
4175.0
3993.5
3755.4
3480.2
3175.7
2908.3
2787.3
2609.6
2367.6
2168.5
2035.8
1938.2
1881.6
1741.1
1674.7
1594.7
1516.6
1424.9
1327.3
1229.7
1116.5
1015.0
956.4
724.1
575.8
439.2
253.7
0.0

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