

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: P852937

Luminaire Tested: **GLAN-SB7C-730-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852937
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-730-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 50850 lumens
Efficiency: N/A
Efficacy: 145.1 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

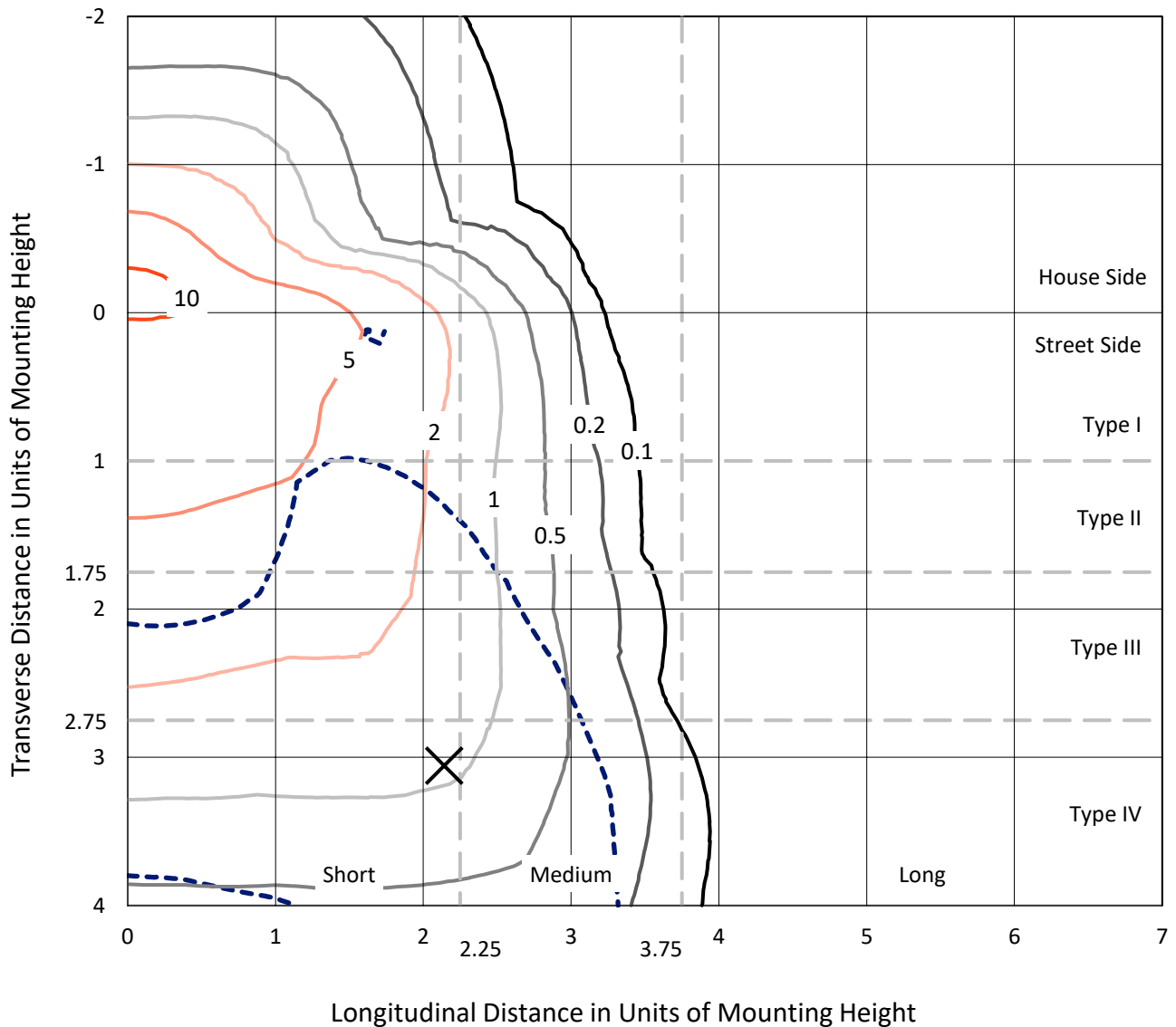
Input Watts (W): 350.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

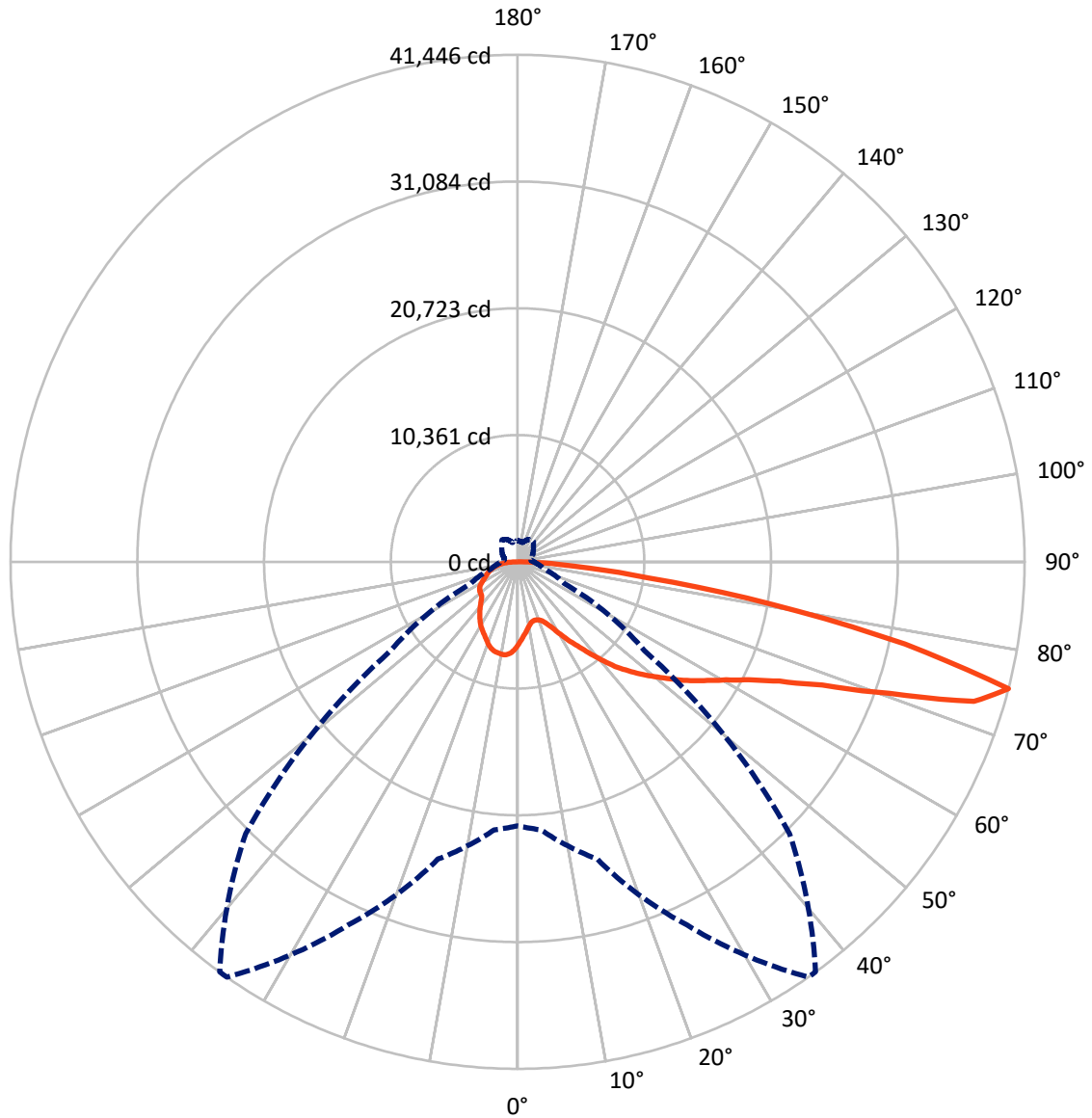
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12 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	12101.0	0.0	12101.0
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	38749.0	0.0	38749.0
	% Fixture	76.2	0.0	76.2
Total	Lumens	50850.0	0.0	50850.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	641.6	1.3
10°-20°	1850.5	3.6
20°-30°	3107.5	6.1
30°-40°	4829.6	9.5
40°-50°	7168.4	14.1
50°-60°	9896.3	19.5
60°-70°	12006.5	23.6
70°-80°	9922.5	19.5
80°-90°	1427.2	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°	50850.0	100.0
0°-180°	50850.0	100.0

Coefficient of Utilization

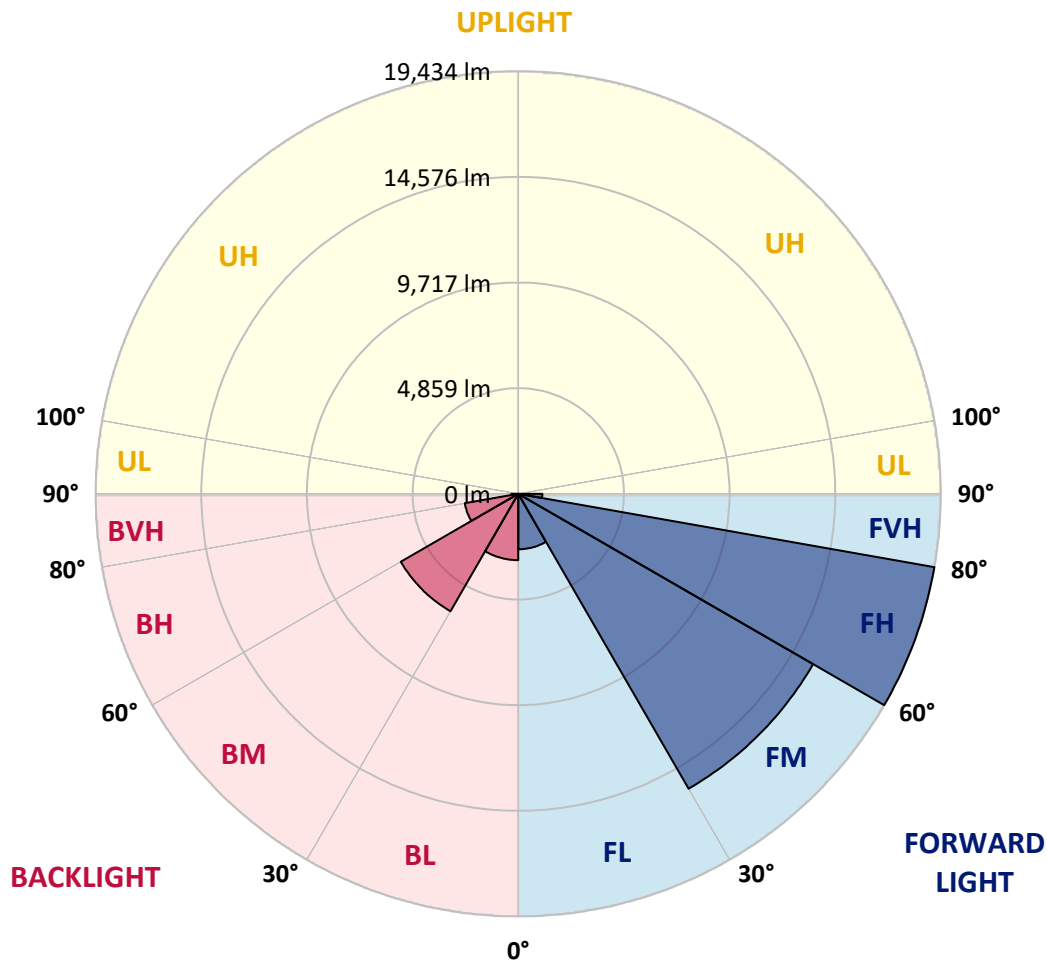


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2550.0	5.0			
FM (30°-60°)	15659.1	30.8			
FH (60°-80°)	19434.1	38.2			G5
FVH (80°-90°)	1105.8	2.2			G5
BL (0°-30°)	3049.6	6.0	B4/5000		
BM (30°-60°)	6235.2	12.3	B4/8500		
BH (60°-80°)	2494.9	4.9	B3/2500		G3/2500
BVH (80°-90°)	321.4	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°	6776.1	6776.1	6776.1	6776.1	6776.1	6776.1	6776.1	6776.1	6776.1	6776.1
2.5°	6248.3	6286.8	6303.3	6295.0	6336.3	6330.8	6388.5	6460.0	6558.9	6655.2
5°	5767.3	5808.5	5844.2	5877.2	5956.9	5981.7	6072.4	6209.8	6391.3	6575.4
7.5°	5319.2	5354.9	5409.9	5470.4	5605.1	5629.8	5781.0	5995.4	6248.3	6517.7
10°	4953.6	4989.3	5047.0	5115.8	5283.4	5313.7	5506.1	5792.0	6121.9	6462.7
12.5°	4796.9	4807.9	4840.9	4909.6	5055.3	5074.5	5286.2	5613.3	5998.2	6421.5
15°	4788.6	4810.6	4813.4	4849.1	4970.1	4978.3	5173.5	5497.9	5921.2	6413.2
17.5°	4871.1	4887.6	4862.9	4884.8	4986.6	5000.3	5154.2	5442.9	5896.4	6449.0
20°	5091.0	5104.8	5030.5	5000.3	5074.5	5085.5	5236.7	5478.6	5921.2	6523.2
22.5°	5558.3	5566.6	5385.1	5261.4	5266.9	5272.4	5404.4	5624.3	6017.4	6657.9
25°	6286.8	6281.3	5992.7	5753.5	5616.1	5585.8	5673.8	5860.7	6179.6	6836.6
27.5°	7139.0	7097.7	6809.1	6451.7	6152.1	6108.1	6088.9	6168.6	6410.5	7073.0
30°	8101.1	8062.6	7752.0	7284.7	6869.6	6798.1	6616.7	6575.4	6754.1	7394.6
32.5°	9156.7	9131.9	8760.8	8194.6	7639.3	7556.8	7251.7	7141.7	7281.9	7881.2
35°	10041.8	10019.8	9712.0	9129.2	8450.2	8348.5	8037.9	7914.2	7985.6	8505.2
37.5°	10841.8	10830.8	10566.9	10107.8	9406.8	9283.1	8934.0	8892.8	8879.0	9327.1
40°	11584.0	11556.5	11281.6	11039.7	10520.1	10407.4	10099.6	10063.8	9959.4	10338.7
42.5°	12405.9	12334.4	11935.8	11823.1	11682.9	11589.5	11405.3	11410.8	11179.9	11479.5
45°	13076.6	13035.4	12625.8	12559.9	12711.0	12672.6	12832.0	12873.2	12425.2	12675.3
47.5°	13796.9	13758.4	13412.0	13365.3	13774.9	13785.9	14349.4	14363.1	13640.2	13917.8
50°	14684.8	14629.8	14286.2	14343.9	14803.0	14844.2	15875.1	15781.6	14759.0	15179.6
52.5°	15270.3	15303.3	15229.1	15322.5	15949.3	15987.8	17376.0	17136.8	15866.8	16424.8
55°	15701.9	15767.8	15998.8	16213.2	17158.8	17197.3	18791.7	18426.1	16785.0	17579.4
57.5°	16257.2	16163.7	16595.3	17013.1	18307.9	18409.6	20168.9	19668.6	17598.6	18574.5
60°	17054.3	16988.4	17323.7	17942.3	19594.4	19756.5	21625.8	20787.4	18195.2	19363.4
62.5°	18670.7	18505.8	18558.0	19105.0	21216.2	21430.6	23269.7	21763.3	18492.0	19671.3
65°	21087.0	20803.9	20540.0	20919.3	23500.6	23712.2	25125.2	22530.2	18382.1	19074.8
67.5°	24130.1	23849.7	23525.3	23882.7	26865.3	27033.0	27415.1	22961.8	17516.2	16776.7
70°	26639.9	26535.4	26923.0	28393.7	32239.4	32244.9	30350.9	22604.4	15143.8	11894.6
72.5°	26307.2	26244.0	28286.5	32833.2	39012.8	38867.1	33130.1	19899.5	10201.3	5365.9
75°	21581.8	21991.4	25155.4	32753.5	41445.6	41426.3	31428.5	12650.6	4219.6	2223.9
77.5°	11573.0	12221.7	16331.4	24182.3	32354.9	32841.4	22095.9	4425.8	1811.5	1423.9
80°	3774.3	4340.6	6509.5	12312.4	21023.8	20933.1	9470.1	1737.3	1239.8	1008.9
82.5°	1602.6	1668.6	2908.4	5814.0	10789.5	10621.9	3015.6	997.9	871.4	690.0
85°	626.8	701.0	1283.7	2688.5	4673.2	4571.5	1088.6	494.8	558.0	450.8
87.5°	206.2	250.2	459.1	920.9	1454.2	1402.0	266.6	170.4	241.9	206.2
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°
6776.1	0°	6776.1	6776.1	6776.1	6776.1	6776.1	6776.1	6776.1	6776.1	6776.1	6776.1
6795.3	2.5°	6833.8	6877.8	6930.0	7007.0	7073.0	7128.0	7185.7	7221.4	7235.2	7276.4
6806.3	5°	6883.3	6979.5	7108.7	7235.2	7358.9	7433.1	7499.1	7532.1	7562.3	7584.3
6836.6	7.5°	6965.8	7089.5	7292.9	7457.8	7562.3	7622.8	7666.8	7655.8	7666.8	7672.3
6869.6	10°	7037.3	7210.4	7452.3	7609.0	7688.8	7691.5	7680.5	7642.0	7622.8	7625.5
6919.1	12.5°	7122.5	7314.9	7576.0	7708.0	7730.0	7669.5	7622.8	7556.8	7532.1	7521.1
6993.3	15°	7237.9	7457.8	7710.7	7760.2	7705.2	7628.3	7548.6	7441.3	7386.4	7342.4
7119.7	17.5°	7378.1	7620.0	7815.2	7779.5	7661.3	7534.8	7405.6	7243.4	7130.7	7084.0
7292.9	20°	7573.3	7790.5	7894.9	7738.2	7559.6	7367.1	7147.2	6949.3	6844.8	6798.1
7512.8	22.5°	7809.7	8018.6	7971.9	7666.8	7413.9	7106.0	6831.1	6685.4	6633.2	6600.2
7796.0	25°	8092.8	8271.5	8026.9	7562.3	7174.7	6759.6	6547.9	6501.2	6476.5	6451.7
8142.3	27.5°	8461.2	8557.4	8068.1	7408.4	6800.8	6391.3	6314.3	6322.5	6314.3	6273.1
8623.4	30°	8947.8	8928.5	8106.6	7158.2	6372.0	6058.6	6064.1	6099.9	6105.4	6077.9
9294.1	32.5°	9588.3	9393.1	8125.8	6833.8	5962.4	5767.3	5772.7	5811.2	5838.7	5792.0
10171.0	35°	10363.5	9934.6	8095.6	6427.0	5646.3	5489.6	5448.4	5459.4	5467.6	5423.6
11234.9	37.5°	11267.9	10542.1	7960.9	5976.2	5385.1	5217.5	5129.5	5055.3	5011.3	4970.1
12438.9	40°	12260.2	11204.6	7713.5	5536.3	5093.8	4928.8	4796.9	4656.7	4508.2	4453.3
13714.4	42.5°	13299.3	11886.4	7413.9	5115.8	4758.4	4623.7	4483.5	4280.1	4057.4	3944.7
15039.4	45°	14376.9	12584.6	7119.7	4700.7	4414.8	4357.1	4194.9	3950.2	3708.3	3565.4
16367.1	47.5°	15432.5	13244.3	6688.1	4282.8	4093.2	4156.4	4029.9	3804.5	3535.1	3309.7
17683.9	50°	16441.3	13862.8	5981.7	3859.5	3832.0	4095.9	3974.9	3650.6	3342.7	3054.1
18975.8	52.5°	17441.9	14363.1	5077.3	3474.6	3691.8	4079.4	3903.5	3546.1	3169.5	2867.1
20190.9	55°	18291.4	14621.5	4205.9	3144.8	3488.4	3939.2	3818.3	3422.4	2924.9	2603.2
21023.8	57.5°	18775.2	14412.6	3480.1	2820.4	3208.0	3708.3	3672.6	3158.5	2633.5	2386.1
21186.0	60°	18566.3	13566.0	2886.4	2537.3	2941.4	3458.2	3419.7	2897.4	2410.8	2177.2
20317.3	62.5°	17414.5	11952.3	2416.3	2289.9	2699.4	3202.5	3166.8	2696.7	2240.4	2015.0
18011.0	65°	15094.4	9723.0	2050.7	2083.7	2454.8	2894.6	2946.9	2529.0	2105.7	1885.8
13934.3	67.5°	11512.5	7042.8	1764.8	1905.0	2215.6	2592.2	2743.4	2408.1	1993.0	1784.1
8062.6	70°	6561.7	3999.7	1522.9	1731.8	2004.0	2311.8	2586.7	2311.8	1872.0	1698.8
3021.1	72.5°	2487.8	1836.3	1316.7	1558.6	1800.5	2075.4	2413.6	2160.7	1731.8	1602.6
1561.4	75°	1327.7	1118.8	1107.8	1355.2	1566.9	1844.5	2196.4	2012.2	1627.4	1693.3
1080.3	77.5°	904.4	791.7	926.4	1160.0	1311.2	1588.9	1965.5	1786.8	1410.2	1404.7
747.7	80°	626.8	560.8	753.2	934.6	1014.4	1336.0	1715.3	1533.9	1149.1	1072.1
461.8	82.5°	376.6	365.6	563.5	698.2	717.5	1030.8	1421.2	1286.5	940.1	819.2
274.9	85°	206.2	217.2	360.1	409.6	417.8	720.2	1113.3	995.1	723.0	607.5
99.0	87.5°	57.7	74.2	131.9	162.2	200.7	373.9	662.5	591.0	362.9	252.9
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°
6776.1
7273.7
7589.8
7680.5
7631.0
7515.6
7356.1
7086.7
6792.6
6605.7
6451.7
6281.3
6091.6
5814.0
5453.9
4997.6
4478.0
3958.5
3554.4
3285.0
3029.3
2834.1
2575.7
2353.1
2144.2
1979.2
1850.0
1751.1
1676.8
1580.6
1748.3
1294.7
1025.3
824.7
613.0
252.9
0.0

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