

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: P850986

Luminaire Tested: **GLAN-SB8D-730-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850986
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-SB8D-730-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 70 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 78758 lumens
Efficiency: N/A
Efficacy: 134.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B5 - U0 - G5

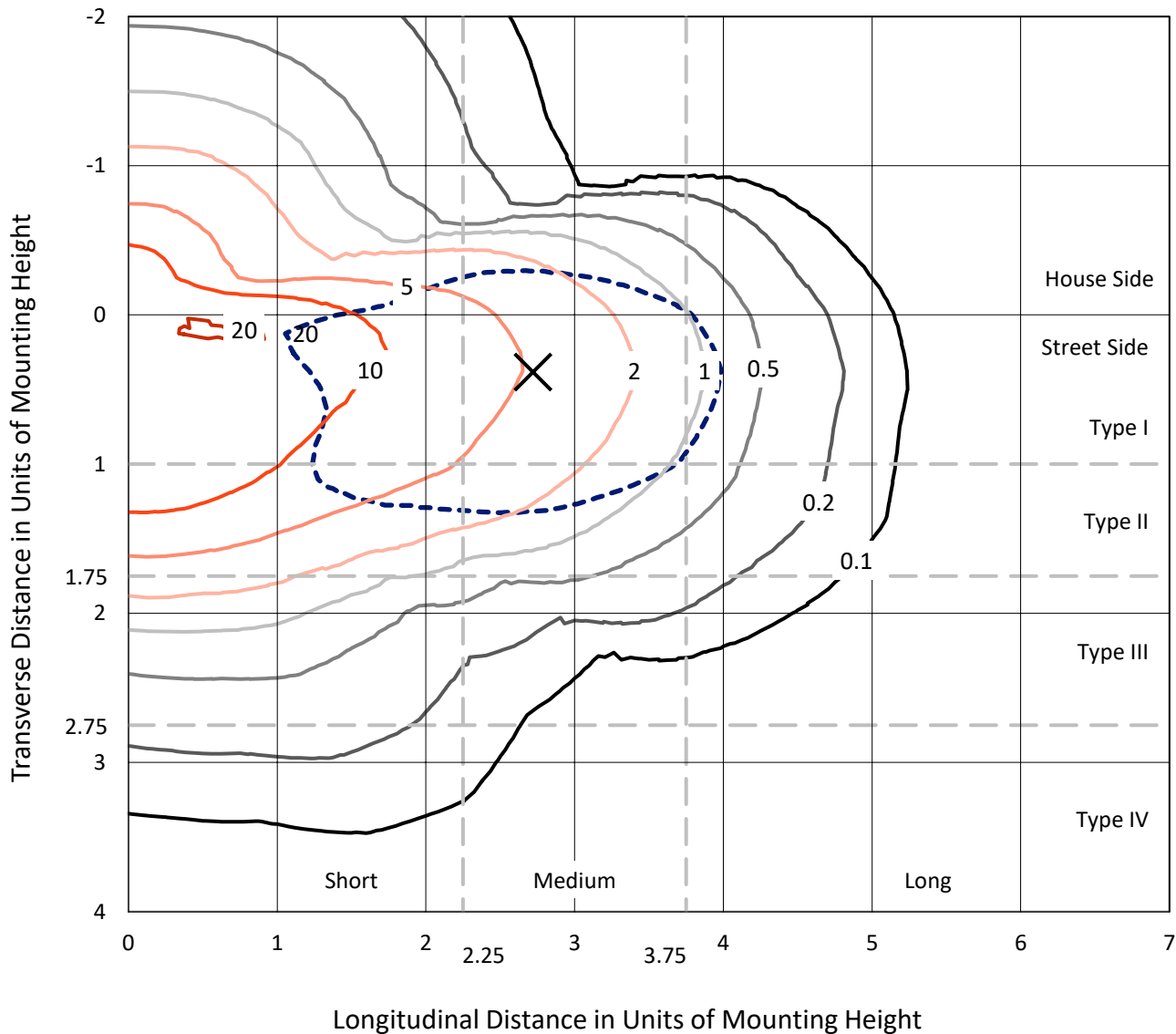
Input Watts (W): 584.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

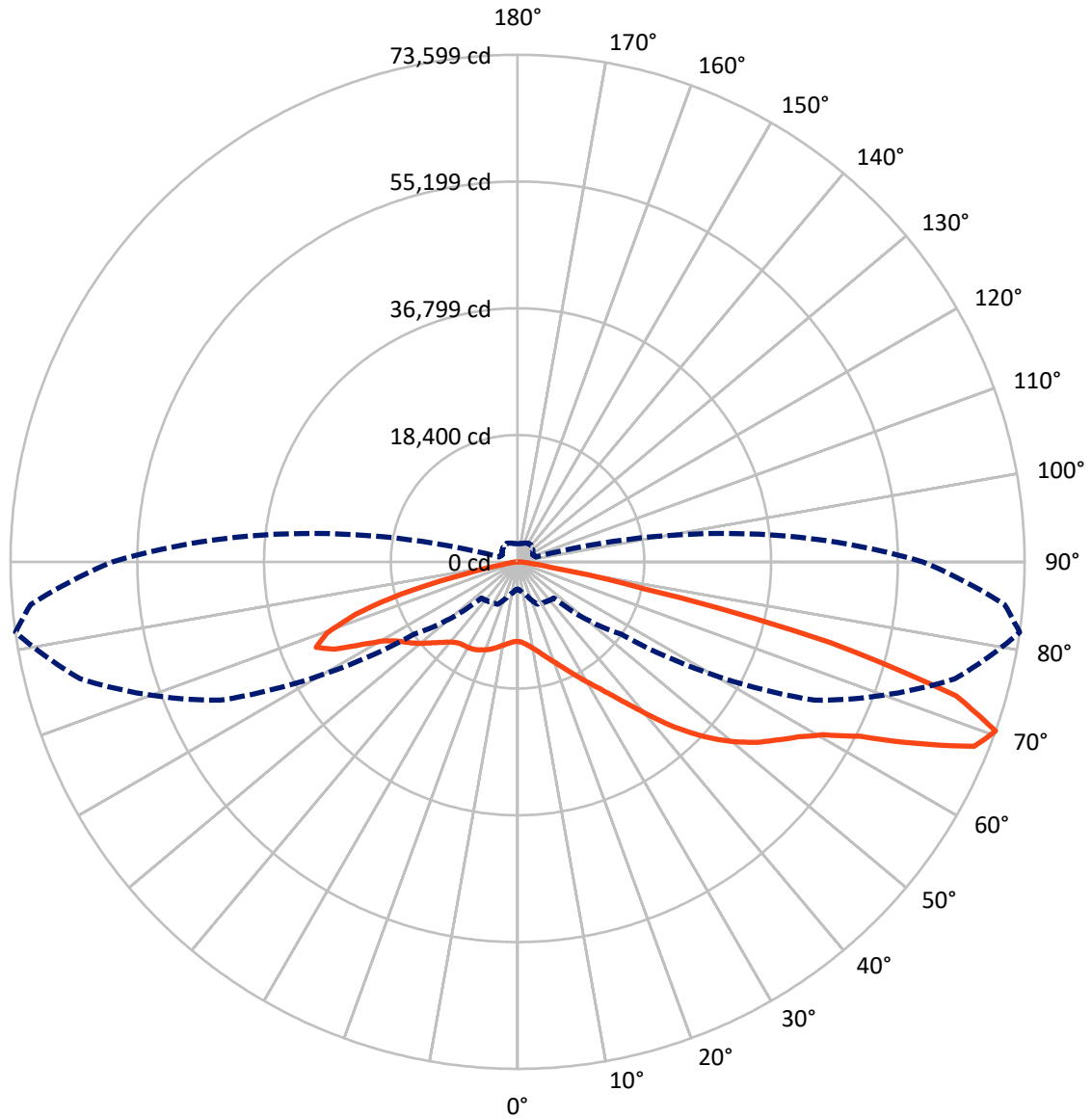
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 21 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
House Side	Lumens	19415.8	0.0	19415.8
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	59342.2	0.0	59342.2
	% Fixture	75.3	0.0	75.3
Total	Lumens	78758.0	0.0	78758.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1090.2	1.4
10°-20°	3132.3	4.0
20°-30°	5240.0	6.7
30°-40°	8186.3	10.4
40°-50°	13037.6	16.6
50°-60°	18143.4	23.0
60°-70°	18978.8	24.1
70°-80°	9919.4	12.6
80°-90°	1030.0	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°	78758.0	100.0
0°-180°	78758.0	100.0

Coefficient of Utilization



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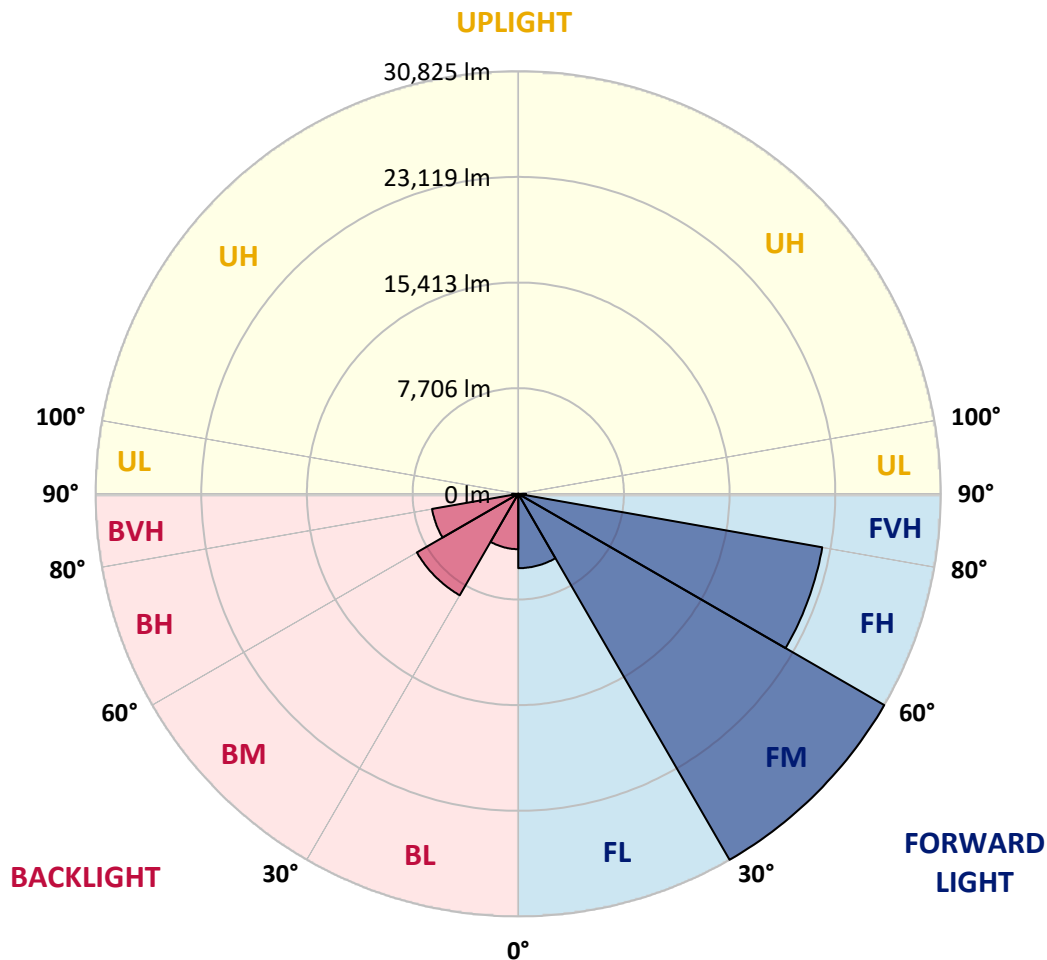
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5423.4	6.9			
FM (30°-60°)	30825.1	39.1			
FH (60°-80°)	22517.2	28.6			G5
FVH (80°-90°)	576.6	0.7			G4/750
BL (0°-30°)	4039.2	5.1	B4/5000		
BM (30°-60°)	8542.2	10.8	B5		
BH (60°-80°)	6381.0	8.1	B5		G5
BVH (80°-90°)	453.4	0.6			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	11546.9	11546.9	11546.9	11546.9	11546.9	11546.9	11546.9	11546.9	11546.9	11546.9
2.5°	11822.7	11889.6	11868.7	11847.8	11847.8	11818.6	11814.4	11772.6	11739.1	11684.8
5°	11973.2	12044.2	12035.9	12052.6	12106.9	12119.4	12132.0	12106.9	12040.0	11973.2
7.5°	11839.4	11918.8	11943.9	12044.2	12211.4	12361.8	12474.7	12520.6	12458.0	12361.8
10°	11388.1	11475.9	11563.6	11801.8	12098.6	12453.8	12754.7	12934.4	12921.8	12829.9
12.5°	10472.9	10564.8	10752.9	11216.8	11760.0	12386.9	12946.9	13323.0	13452.6	13385.7
15°	9741.5	9820.9	9963.0	10439.4	11145.7	12098.6	13018.0	13749.3	14079.5	14041.8
17.5°	9720.6	9754.1	9841.8	10067.5	10610.8	11647.2	12942.7	14167.2	14798.3	14794.1
20°	10088.4	10100.9	10151.1	10197.1	10506.3	11304.5	12750.5	14514.1	15604.8	15604.8
22.5°	10598.2	10589.9	10640.0	10598.2	10748.7	11275.3	12629.3	14819.2	16503.3	16570.2
25°	11363.0	11321.2	11308.7	11212.6	11241.8	11546.9	12763.0	15166.0	17569.0	17706.9
27.5°	12382.7	12315.9	12269.9	12048.4	11973.2	12106.9	13172.6	15583.9	18755.9	18994.1
30°	13711.7	13590.5	13523.6	13139.2	12867.5	12888.4	13791.1	16139.8	19997.1	20381.6
32.5°	15525.4	15337.4	15157.7	14526.6	14029.3	13866.3	14589.3	16908.7	21342.8	21957.1
35°	17556.5	17406.0	17213.8	16240.1	15475.3	15099.2	15667.5	17982.8	22918.3	23892.0
37.5°	19512.3	19382.8	19474.7	18162.5	17176.2	16628.7	17080.1	19424.5	24861.6	26299.2
40°	21535.0	21434.7	21447.2	20193.5	19044.2	18429.9	18793.5	21234.1	27089.1	29161.9
42.5°	23733.2	23658.0	23407.2	22295.6	21004.3	20431.7	20766.0	23323.7	29479.5	32421.6
45°	26194.7	26148.8	25914.7	24640.1	23160.7	22517.1	22968.4	25630.5	31882.5	35489.1
47.5°	28321.9	28359.5	28330.3	27256.2	25722.5	24778.0	25317.1	28037.7	34118.3	38372.7
50°	29345.8	29542.2	29830.6	29496.2	28543.4	27582.2	27686.7	30361.3	36249.7	41076.6
52.5°	28810.9	29182.8	29968.5	30503.4	30871.2	30670.6	30390.6	32668.2	38255.7	43517.2
55°	26817.4	27339.8	28643.7	29935.0	31811.5	33270.0	33637.7	35225.8	40211.5	45665.2
57.5°	23185.8	24034.1	25204.3	27816.2	30975.6	34527.9	37424.0	38773.9	42284.3	47959.6
60°	16958.9	18095.6	19549.9	23436.5	28050.3	33855.0	40646.1	44223.4	45230.6	50930.9
62.5°	10853.2	11555.3	12892.6	16553.5	21856.8	30407.3	41632.4	51035.4	50224.7	55803.8
65°	7430.5	7881.8	9106.3	11162.4	14129.6	22634.1	38991.2	56142.3	58156.6	63526.8
67.5°	5399.4	5742.1	6786.9	8588.1	9206.6	13394.1	30256.8	55908.3	65867.1	71483.8
70°	3936.7	4179.1	5056.7	6786.9	7083.6	7451.4	18329.6	47524.9	65699.9	73598.5
72.5°	2917.0	3084.2	3673.4	5265.7	5733.8	5031.7	9072.9	34540.4	56455.7	66569.2
75°	2110.5	2235.8	2670.5	4028.7	4588.7	3832.3	4526.0	20185.1	39379.8	46827.0
77.5°	1613.1	1709.3	1993.4	2950.5	3673.4	2875.2	2808.4	9286.0	18672.3	18764.2
80°	1295.5	1358.2	1512.8	2077.0	2816.7	2152.2	1830.5	3748.7	5900.9	4994.0
82.5°	952.8	1057.3	1278.8	1458.5	2014.3	1483.6	1115.8	1893.1	2244.2	1930.8
85°	543.3	614.3	773.1	1044.8	1287.2	906.9	639.4	840.0	1044.8	856.7
87.5°	192.2	250.7	271.6	409.6	560.0	376.1	246.6	242.4	342.7	254.9
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°
11546.9	0°	11546.9	11546.9	11546.9	11546.9	11546.9	11546.9	11546.9	11546.9	11546.9	11546.9
11672.3	2.5°	11630.5	11609.6	11526.0	11413.2	11296.2	11183.3	11145.7	11066.3	11012.0	10982.7
11943.9	5°	11864.5	11797.7	11601.2	11350.5	11087.2	10803.0	10602.4	10418.5	10284.8	10159.4
12315.9	7.5°	12198.9	12081.8	11743.3	11304.5	10836.5	10364.2	10013.2	9745.7	9566.0	9449.0
12750.5	10°	12587.5	12407.8	11889.6	11233.5	10510.5	9833.5	9419.7	9189.9	9077.0	9014.4
13247.8	12.5°	13034.7	12779.7	12040.0	11070.5	10013.2	9240.0	8955.9	8889.0	8893.2	8897.3
13874.7	15°	13586.3	13231.1	12161.2	10715.3	9365.4	8784.5	8734.4	8843.0	8955.9	9010.2
14585.1	17.5°	14209.0	13707.5	12182.1	10130.2	8730.2	8492.0	8650.8	8884.8	9056.2	9131.4
15379.2	20°	14877.7	14192.3	12031.7	9302.7	8207.8	8253.8	8537.9	8838.8	9026.9	9123.0
16286.0	22.5°	15642.4	14710.5	11672.3	8433.5	7781.5	7994.7	8329.0	8621.5	8817.9	8914.1
17351.7	25°	16515.9	15291.4	11108.1	7702.1	7413.8	7702.1	8036.4	8278.8	8437.6	8525.4
18542.8	27.5°	17485.4	15897.4	10355.9	7121.2	7092.0	7401.2	7677.0	7865.1	7948.7	8015.6
19809.0	30°	18459.2	16449.0	9444.8	6682.4	6812.0	7104.5	7300.9	7384.5	7409.6	7422.1
21221.6	32.5°	19512.3	16925.4	8487.8	6318.8	6544.5	6816.1	6933.2	6970.8	6853.8	6774.4
22935.0	35°	20786.9	17435.3	7551.7	6030.5	6281.2	6515.2	6552.9	6519.4	6381.5	6218.5
25083.1	37.5°	22362.5	18070.5	6803.6	5825.7	6034.6	6189.3	6143.3	6134.9	6147.5	5955.2
27665.8	40°	24293.2	18898.0	6256.1	5666.9	5834.1	5867.5	5737.9	5809.0	5871.7	5579.1
30499.2	42.5°	26437.1	19896.8	5909.3	5558.2	5666.9	5587.5	5386.9	5466.3	5457.9	5073.5
33345.2	45°	28622.8	20983.4	5788.1	5478.8	5512.3	5353.5	5132.0	5152.9	4977.3	4630.5
36074.2	47.5°	30795.9	22149.3	5863.3	5412.0	5320.0	5140.3	4969.0	4877.0	4617.9	4358.8
38690.3	50°	32927.3	23373.8	6139.1	5278.2	5056.7	4952.3	4826.9	4663.9	4388.1	4166.6
41164.3	52.5°	34904.0	24606.7	6448.4	5056.7	4726.6	4789.3	4709.9	4521.8	4250.2	4024.5
43504.6	55°	36776.3	25839.5	6569.6	4751.7	4417.3	4647.2	4601.2	4254.3	3928.4	3744.5
45953.6	57.5°	38815.7	27323.1	6435.8	4363.0	4166.6	4484.2	4308.7	3924.2	3736.1	3598.2
49142.3	60°	41640.7	29650.9	6147.5	3882.4	3928.4	4241.8	3940.9	3782.1	3577.3	3422.7
53923.2	62.5°	46333.9	33993.0	5683.6	3406.0	3648.4	3882.4	3765.4	3606.6	3397.6	3247.2
62097.5	65°	53271.2	40027.6	4810.2	3034.0	3334.9	3531.4	3577.3	3418.5	3201.2	3042.4
69260.6	67.5°	59122.0	43813.9	3640.0	2724.8	3013.1	3247.2	3376.7	3222.1	2992.2	2837.6
70936.4	70°	58800.2	41064.0	2779.1	2419.7	2729.0	2967.2	3134.3	3013.1	2766.6	2620.3
64433.7	72.5°	52226.5	34352.4	2248.4	2110.5	2440.6	2674.6	2875.2	2783.3	2532.5	2390.5
47203.2	75°	38368.5	24385.2	1797.0	1797.0	2081.2	2369.6	2591.1	2532.5	2302.7	2202.4
19817.4	77.5°	16173.2	10230.5	1408.4	1491.9	1730.2	2035.2	2311.1	2331.9	2131.4	2256.7
5240.6	80°	4300.3	2820.9	1074.0	1174.3	1358.2	1680.0	2010.2	2001.8	1784.5	1667.5
1947.5	82.5°	1638.2	1111.6	764.8	827.5	982.1	1287.2	1592.2	1642.4	1425.1	1232.8
764.8	85°	631.0	476.4	472.2	497.3	572.5	852.5	1203.6	1245.4	1074.0	911.0
213.1	87.5°	163.0	142.1	175.5	167.2	263.3	455.5	689.6	714.6	656.1	380.3
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°
11546.9
11016.2
10209.6
9474.1
9031.1
8905.7
9006.0
9148.1
9148.1
8939.1
8550.5
8040.6
7451.4
6799.4
6226.9
5967.8
5587.5
5069.3
4643.0
4358.8
4149.9
4028.7
3727.8
3585.7
3414.3
3247.2
3050.8
2841.8
2632.8
2390.5
2173.1
2047.8
1550.5
1232.8
940.3
543.3
0.0

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