

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: P851675

Luminaire Tested: **GLAN-SB9D-735-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851675
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB9D-735-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 66417 lumens
Efficiency: N/A
Efficacy: 100.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B4 - U0 - G5

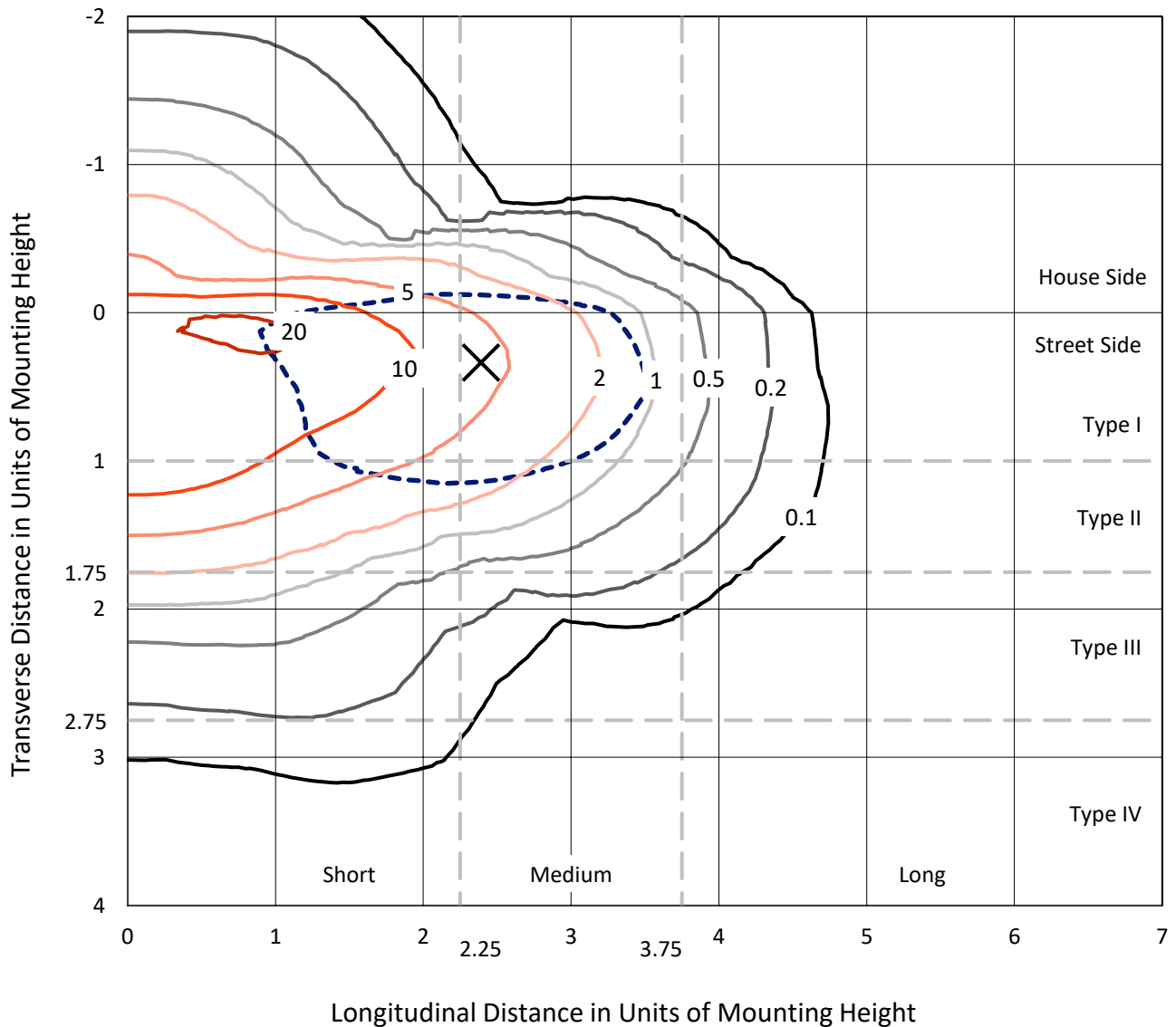
Input Watts (W): 658
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

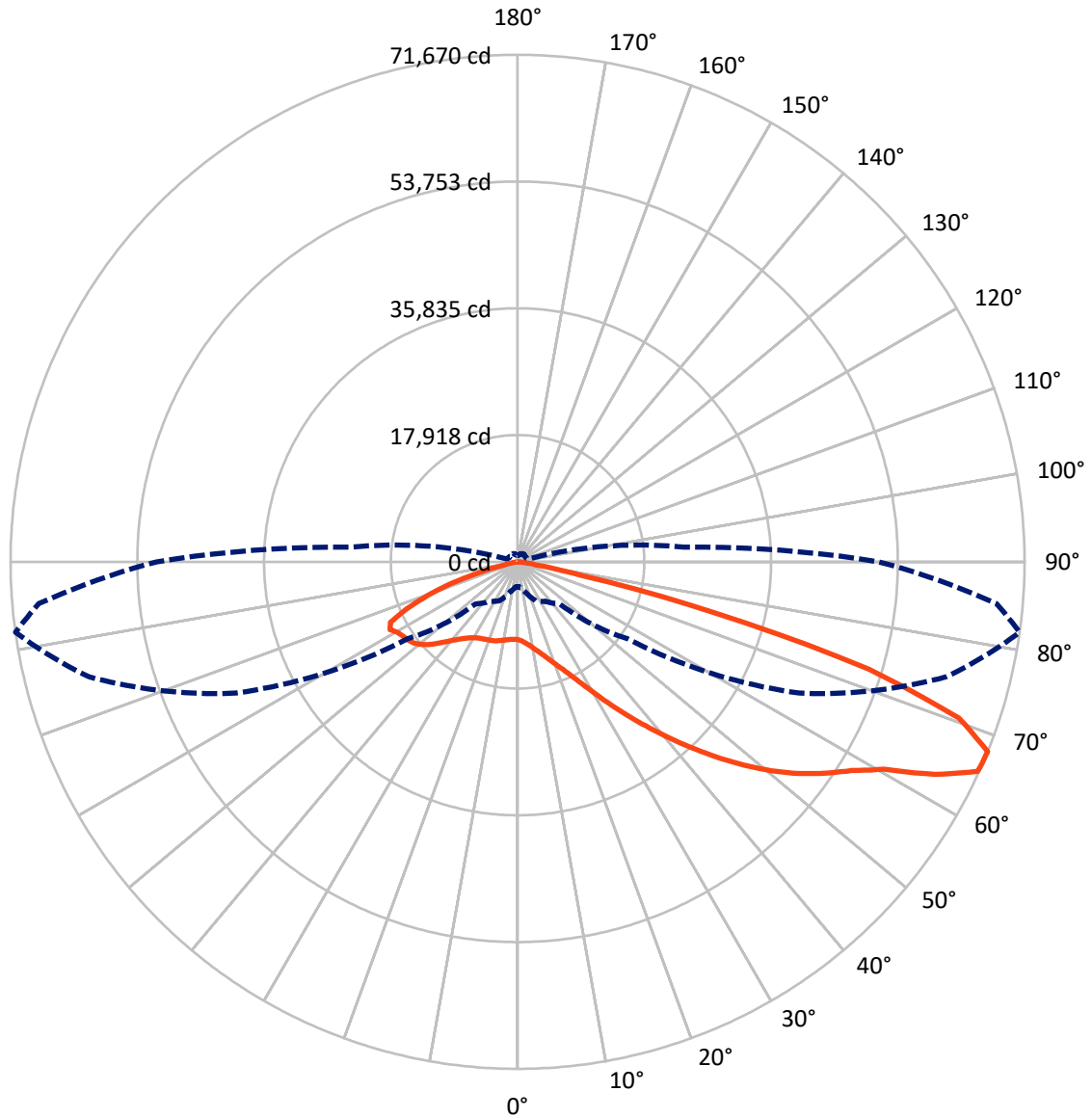
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 23.3 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12030.9	0.0	12030.9
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	54386.1	0.0	54386.1
	% Fixture	81.9	0.0	81.9
Total	Lumens	66417.0	0.0	66417.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	980.3	1.5
10°-20°	2547.4	3.8
20°-30°	4080.1	6.1
30°-40°	7214.8	10.9
40°-50°	12641.1	19.0
50°-60°	16859.7	25.4
60°-70°	15695.5	23.6
70°-80°	6023.9	9.1
80°-90°	374.1	0.6
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°	66417.0	100.0
0°-180°	66417.0	100.0

Coefficient of Utilization

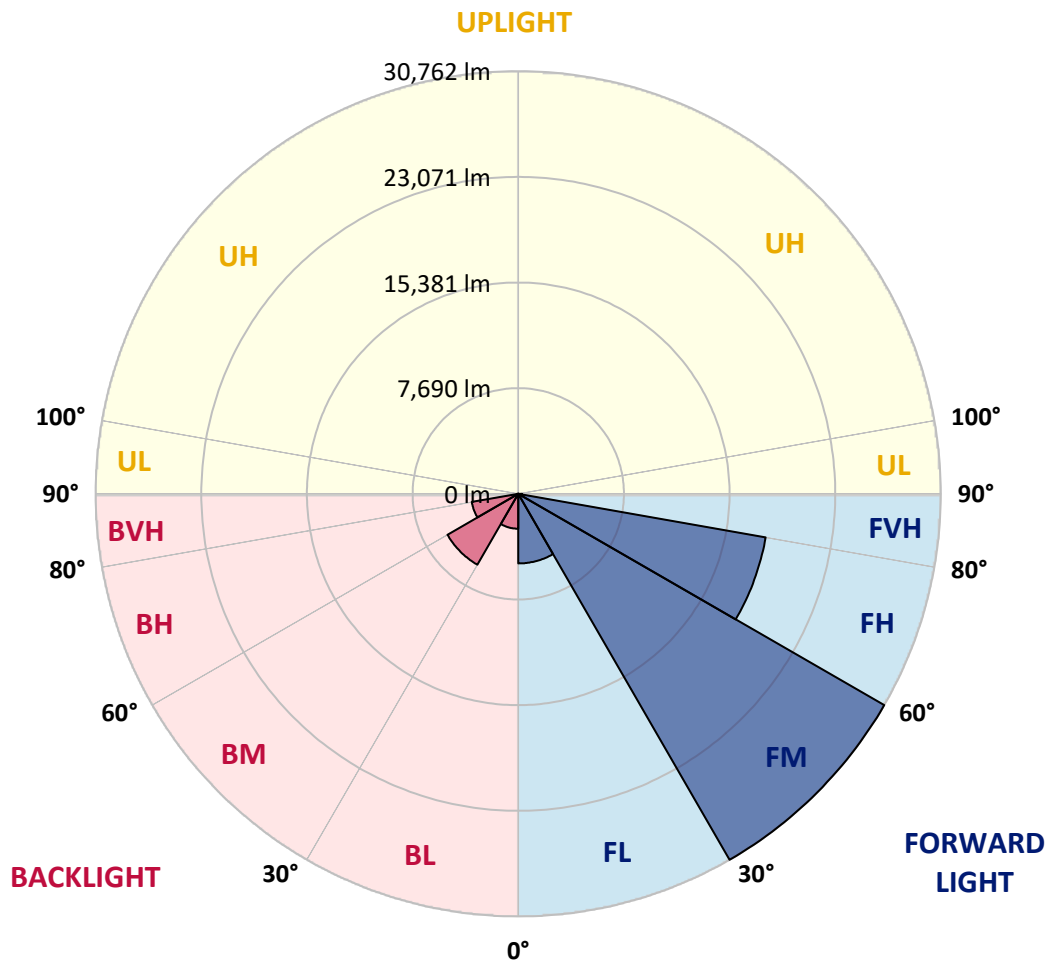


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5066.9	7.6			
FM (30°-60°)	30761.6	46.3			
FH (60°-80°)	18285.6	27.5			G5
FVH (80°-90°)	272.0	0.4			G3/500
BL (0°-30°)	2540.9	3.8	B4/5000		
BM (30°-60°)	5954.0	9.0	B4/8500		
BH (60°-80°)	3433.8	5.2	B4/5000		G4/5000
BVH (80°-90°)	102.1	0.2			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	11003.0	11003.0	11003.0	11003.0	11003.0	11003.0	11003.0	11003.0	11003.0	11003.0
2.5°	11629.5	11696.4	11658.2	11639.0	11605.6	11557.7	11519.5	11399.9	11275.6	11194.3
5°	11863.8	11930.7	11925.9	11945.1	11969.0	11983.3	11973.8	11839.9	11662.9	11524.3
7.5°	11662.9	11739.5	11801.6	11897.3	12064.6	12241.5	12327.6	12298.9	12117.2	11925.9
10°	11093.9	11175.2	11323.4	11548.2	11902.0	12284.6	12605.0	12753.2	12638.4	12428.0
12.5°	10051.5	10132.8	10424.4	10912.2	11505.1	12169.8	12781.9	13178.8	13207.5	12997.1
15°	8879.9	8961.2	9272.0	9884.1	10787.9	11854.2	12877.5	13628.3	13881.7	13700.0
17.5°	8153.1	8224.8	8459.1	8951.6	9893.7	11223.0	12844.1	14106.5	14685.1	14541.6
20°	7933.1	7995.3	8105.2	8449.5	9233.8	10567.9	12624.1	14556.0	15550.6	15469.3
22.5°	8167.4	8224.8	8258.3	8411.3	8903.8	10137.5	12346.8	15015.0	16554.8	16564.3
25°	8707.8	8765.1	8726.9	8822.5	9037.7	10003.6	12241.5	15555.4	17817.2	17922.4
27.5°	9597.2	9602.0	9511.1	9506.3	9539.8	10204.5	12351.5	16134.0	19409.6	19605.6
30°	11380.8	11309.1	10960.0	10582.2	10410.1	10807.0	12657.6	16817.8	21288.8	21637.9
32.5°	14130.4	14025.2	13384.4	12480.6	11572.1	11777.7	13207.5	17597.2	23335.5	23966.7
35°	17114.3	17085.6	16416.1	15072.4	13484.8	13159.7	14101.7	18620.5	25568.6	26572.8
37.5°	19887.7	19873.4	19490.8	17908.0	15976.2	15086.8	15536.2	19959.5	27959.5	29413.2
40°	22422.1	22465.2	22082.6	20667.2	18721.0	17559.0	17487.2	21614.0	30618.2	32507.1
42.5°	24612.2	24660.0	24272.7	23225.5	21432.3	20294.2	19883.0	23641.5	33214.8	35830.4
45°	26099.4	26395.8	26338.5	25501.6	24215.3	23034.2	22761.6	26185.4	36174.7	39354.7
47.5°	26520.2	26792.7	27223.1	27337.9	26553.6	25391.7	25716.8	29250.6	39168.2	42883.7
50°	25482.5	25735.9	26630.2	27820.8	28366.0	28007.3	28590.7	32535.7	42233.3	46403.1
52.5°	23435.9	23694.1	24822.6	26706.7	28930.2	30058.7	31474.2	35773.1	45202.9	49736.1
55°	20475.9	20748.5	22197.4	24330.1	27854.3	30905.1	33879.4	39005.6	47923.8	52734.3
57.5°	16449.6	16650.4	18156.7	21140.6	25147.8	30063.5	35653.5	42534.6	50486.8	55679.9
60°	10720.9	10897.8	12648.0	15976.2	20662.4	27251.8	36007.4	46470.1	53891.5	59510.2
62.5°	7129.7	7249.3	8287.0	10730.5	14551.2	21853.1	33936.8	49611.7	58883.8	66176.1
65°	4891.8	5011.4	6049.0	7751.4	9401.1	14455.5	27983.4	49195.7	63407.4	71469.6
67.5°	3490.8	3591.2	4471.0	6077.7	6804.6	8396.9	18969.6	43878.3	62757.1	71670.4
70°	2500.9	2558.3	3285.1	4734.0	5408.3	5044.9	10548.8	33559.1	54948.3	66180.9
72.5°	1750.2	1769.3	2280.9	3605.5	4356.3	3682.0	5020.9	22374.3	41559.1	51945.3
75°	1185.9	1209.8	1535.0	2644.4	3495.5	2811.7	2658.7	11997.7	24397.0	28753.3
77.5°	726.8	736.4	989.8	1807.5	2615.7	2142.3	1711.9	5083.1	9439.4	9267.2
80°	411.2	411.2	631.2	1123.7	1783.6	1382.0	1200.2	2161.4	2988.7	2625.2
82.5°	229.5	234.3	459.1	698.2	1181.1	817.7	659.9	999.4	1291.1	1142.9
85°	95.6	105.2	282.1	329.9	564.3	406.5	267.8	420.8	478.2	425.6
87.5°	9.6	14.3	86.1	62.2	66.9	81.3	38.3	81.3	66.9	66.9
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°
11003.0	0°	11003.0	11003.0	11003.0	11003.0	11003.0	11003.0	11003.0	11003.0	11003.0	11003.0
11165.6	2.5°	11074.8	11003.0	10821.3	10610.9	10333.6	10199.7	10018.0	9893.7	9788.5	9798.0
11443.0	5°	11290.0	11108.3	10701.8	10194.9	9563.7	9114.2	8636.0	8306.1	8038.3	7980.9
11825.5	7.5°	11586.4	11299.5	10587.0	9673.7	8607.3	7799.2	7077.1	6613.3	6283.4	6178.2
12289.4	10°	11969.0	11553.0	10438.8	9018.6	7483.6	6455.5	5680.8	5317.4	5092.7	5016.2
12834.5	12.5°	12413.7	11844.7	10242.7	8220.0	6326.4	5336.6	4844.0	4662.3	4590.6	4566.7
13504.0	15°	12973.2	12208.1	9946.3	7273.2	5346.1	4652.7	4442.3	4418.4	4428.0	4418.4
14307.3	17.5°	13637.9	12605.0	9463.3	6297.7	4686.2	4303.7	4227.2	4246.3	4270.2	4265.4
15206.3	20°	14364.7	12997.1	8846.4	5432.2	4236.7	4055.0	4012.0	4031.1	4050.2	4040.7
16244.0	22.5°	15192.0	13417.9	8162.6	4757.9	3935.5	3825.5	3777.7	3782.4	3782.4	3763.3
17559.0	25°	16181.8	13881.7	7445.3	4279.8	3705.9	3619.9	3562.5	3543.4	3514.7	3457.3
19156.1	27.5°	17362.9	14374.3	6756.8	3945.0	3524.2	3442.9	3376.0	3328.2	3256.4	3160.8
21073.6	30°	18692.3	14972.0	6173.4	3734.6	3380.8	3299.5	3223.0	3151.2	3046.0	2926.5
23278.1	32.5°	20255.9	15612.8	5747.8	3596.0	3251.7	3165.6	3074.7	2988.7	2873.9	2754.3
25755.1	35°	22120.9	16387.4	5499.1	3500.3	3151.2	3036.5	2936.1	2840.4	2754.3	2649.1
28447.3	37.5°	24143.6	17209.9	5422.6	3452.5	3084.3	2907.4	2792.6	2725.7	2716.1	2653.9
31359.4	40°	26357.6	18185.4	5480.0	3423.8	3012.6	2783.0	2658.7	2644.4	2668.3	2558.3
34472.4	42.5°	28700.7	19342.6	5575.6	3390.3	2912.1	2658.7	2539.2	2539.2	2520.0	2367.0
37762.3	45°	31235.1	20676.7	5671.3	3309.0	2792.6	2534.4	2443.5	2410.1	2328.8	2180.5
41071.4	47.5°	33788.6	22034.8	5743.0	3160.8	2649.1	2429.2	2347.9	2271.4	2151.8	2017.9
44318.2	50°	36213.0	23254.2	5666.5	2940.8	2486.6	2328.8	2242.7	2137.5	2008.4	1917.5
47393.0	52.5°	38379.2	24311.0	5341.3	2682.6	2314.4	2223.6	2147.1	2037.1	1931.9	1836.2
50166.4	55°	40263.2	25166.9	4767.5	2438.7	2161.4	2132.7	2056.2	1917.5	1774.1	1692.8
52916.0	57.5°	42070.8	25817.2	4050.2	2237.9	2022.7	2032.3	1917.5	1793.2	1659.3	1573.2
56621.9	60°	44476.0	26687.5	3323.4	2051.4	1874.5	1903.2	1778.9	1688.0	1520.6	1410.6
62977.0	62.5°	48320.6	28040.8	2639.6	1821.9	1702.3	1711.9	1659.3	1549.3	1348.5	1219.4
67687.2	65°	51371.5	27543.5	2080.1	1573.2	1506.3	1520.6	1520.6	1401.1	1185.9	1037.7
67940.6	67.5°	51027.2	23584.1	1659.3	1329.4	1319.8	1329.4	1362.8	1262.4	1052.0	932.5
62766.6	70°	47005.6	18759.2	1329.4	1104.6	1147.6	1123.7	1219.4	1152.4	946.8	827.3
48660.2	72.5°	38355.3	13513.5	1013.8	913.3	879.9	918.1	1099.8	1037.7	789.0	655.1
25774.2	75°	22412.6	7211.0	755.5	722.1	636.0	765.1	975.5	884.6	602.5	483.0
7899.6	77.5°	7297.1	2515.3	554.7	530.8	473.4	616.9	832.0	746.0	492.5	382.5
2314.4	80°	1955.8	760.3	377.8	349.1	306.0	459.1	659.9	593.0	353.9	248.7
994.6	82.5°	784.2	320.4	220.0	196.1	167.4	315.6	521.2	478.2	263.0	157.8
310.8	85°	253.4	105.2	81.3	62.2	76.5	196.1	310.8	325.2	186.5	81.3
47.8	87.5°	33.5	14.3	14.3	19.1	14.3	33.5	95.6	90.9	52.6	9.6
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°
11003.0
9702.4
7851.8
6073.0
4958.8
4552.3
4413.7
4255.9
4035.9
3753.8
3447.7
3151.2
2916.9
2759.1
2639.6
2649.1
2563.1
2367.0
2175.7
2013.2
1903.2
1826.7
1683.2
1563.7
1396.3
1209.8
1023.3
913.3
812.9
640.8
468.6
368.2
243.9
157.8
62.2
0.0
0.0

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