

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: P851766

Luminaire Tested: **GLAN-SB9D-927-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851766
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-SB9D-927-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 90 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 59142 lumens
Efficiency: N/A
Efficacy: 89.9 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

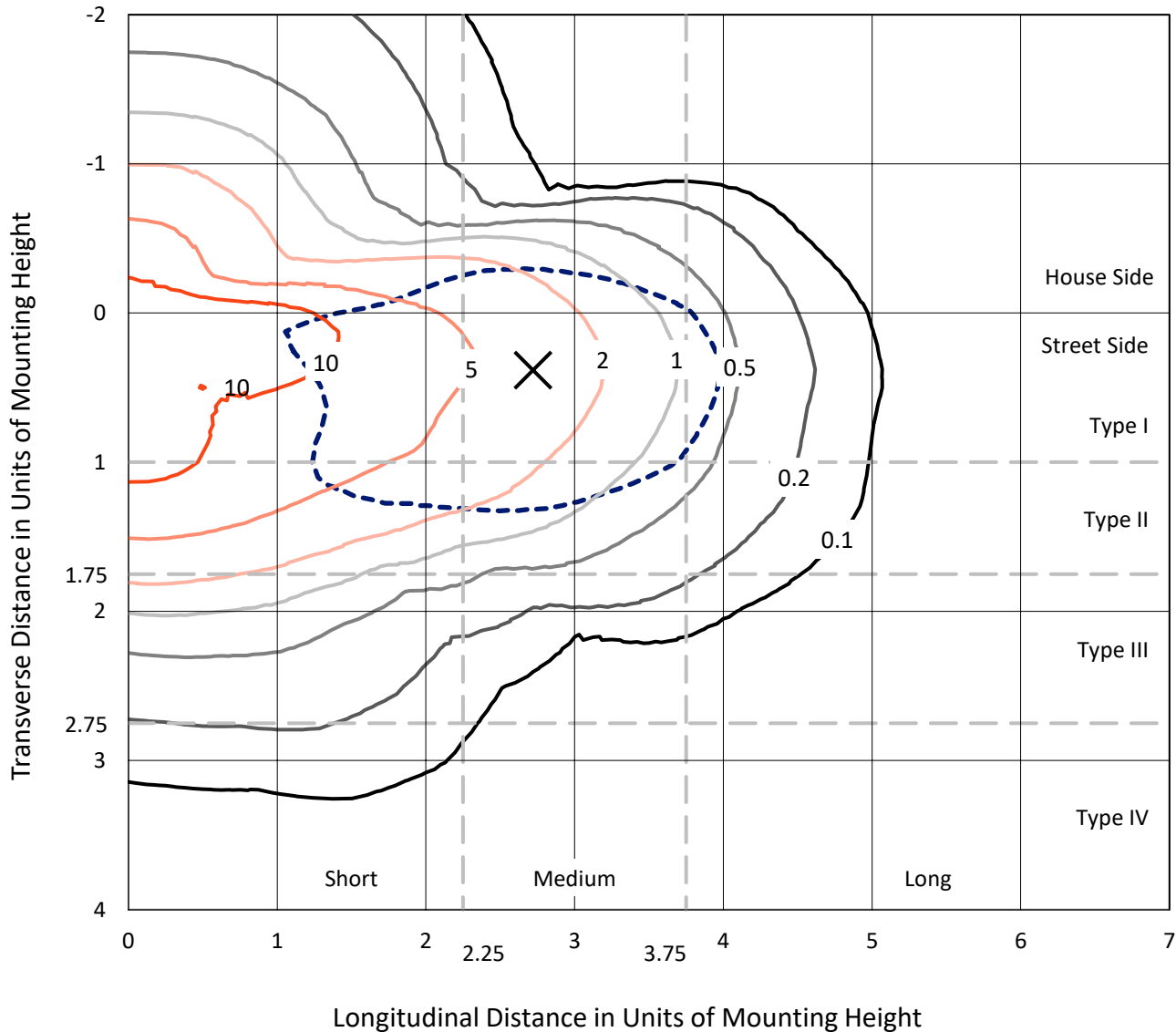
Input Watts (W): 658
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

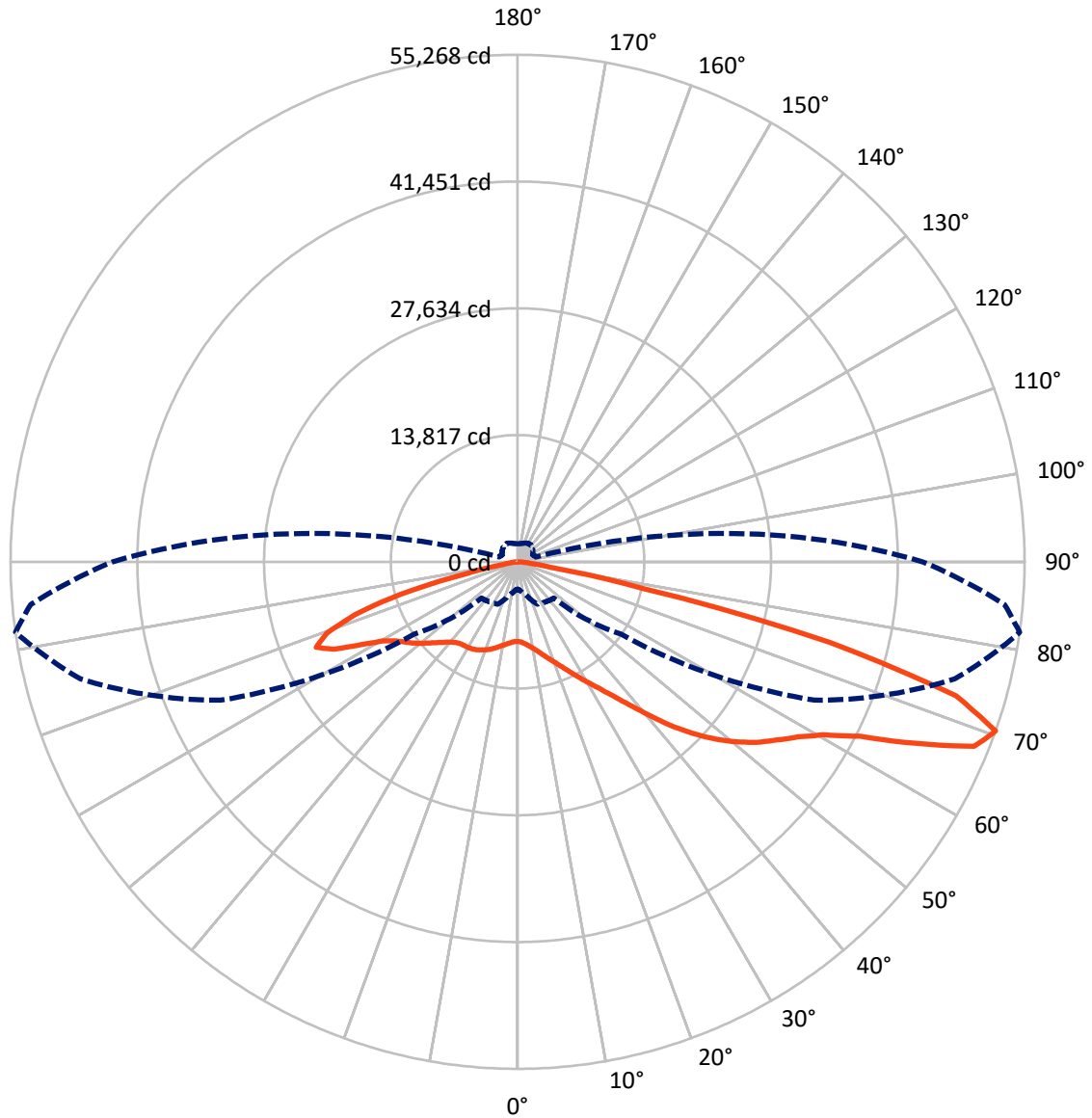
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15.8 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
House Side	Lumens	14580.0	0.0	14580.0
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	44562.0	0.0	44562.0
	% Fixture	75.3	0.0	75.3
Total	Lumens	59142.0	0.0	59142.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	818.7	1.4
10°-20°	2352.1	4.0
20°-30°	3934.9	6.7
30°-40°	6147.3	10.4
40°-50°	9790.4	16.6
50°-60°	13624.5	23.0
60°-70°	14251.8	24.1
70°-80°	7448.8	12.6
80°-90°	773.5	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°	59142.0	100.0
0°-180°	59142.0	100.0

Coefficient of Utilization

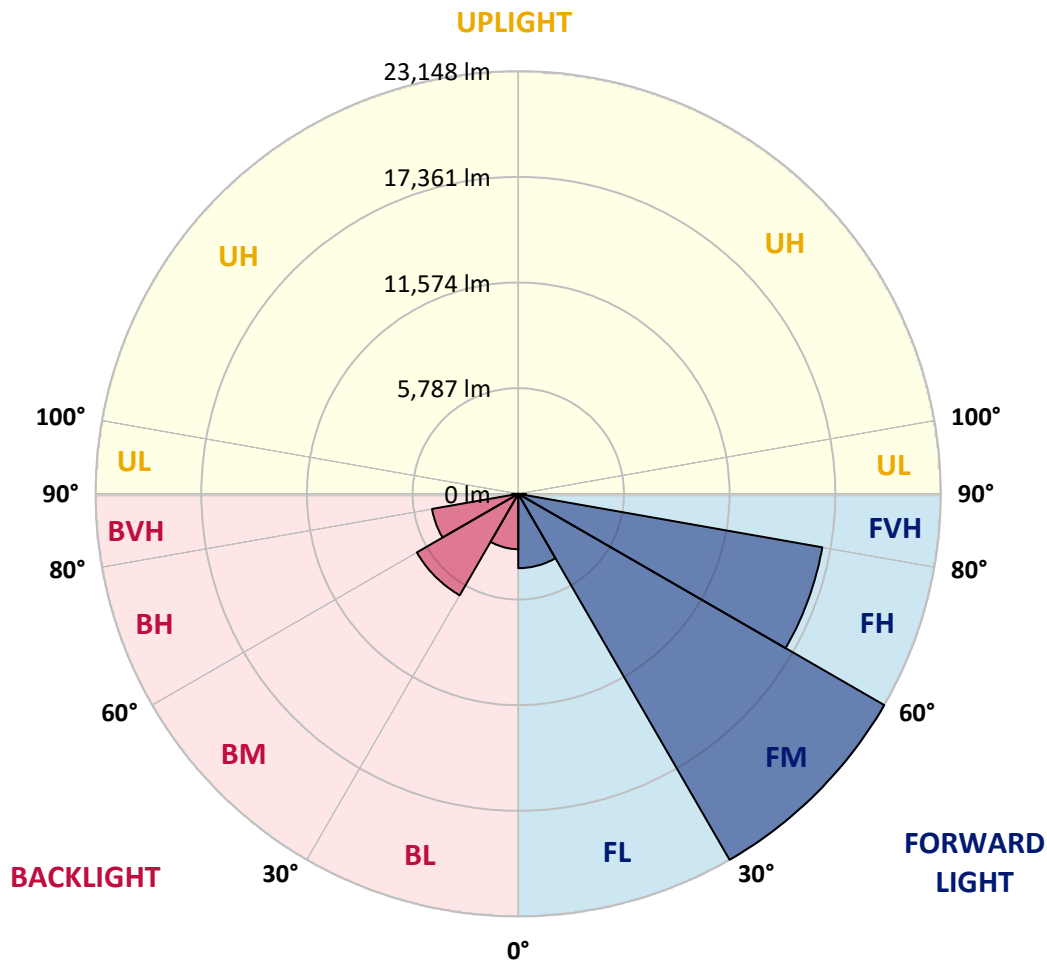


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4072.6	6.9			
FM (30°-60°)	23147.6	39.1			
FH (60°-80°)	16908.9	28.6			G5
FVH (80°-90°)	433.0	0.7			G3/500
BL (0°-30°)	3033.2	5.1	B4/5000		
BM (30°-60°)	6414.6	10.8	B4/8500		
BH (60°-80°)	4791.7	8.1	B4/5000		G4/5000
BVH (80°-90°)	340.5	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 II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	8671.0	8671.0	8671.0	8671.0	8671.0	8671.0	8671.0	8671.0	8671.0	8671.0
2.5°	8878.1	8928.3	8912.6	8896.9	8896.9	8874.9	8871.8	8840.4	8815.3	8774.5
5°	8991.1	9044.4	9038.1	9050.7	9091.5	9100.9	9110.3	9091.5	9041.3	8991.1
7.5°	8890.6	8950.3	8969.1	9044.4	9169.9	9282.9	9367.6	9402.2	9355.1	9282.9
10°	8551.7	8617.6	8683.5	8862.4	9085.2	9352.0	9577.9	9712.9	9703.4	9634.4
12.5°	7864.4	7933.5	8074.7	8423.0	8831.0	9301.7	9722.3	10004.7	10102.0	10051.8
15°	7315.2	7374.9	7481.6	7839.3	8369.7	9085.2	9775.6	10324.8	10572.7	10544.5
17.5°	7299.5	7324.7	7390.6	7560.0	7968.0	8746.3	9719.1	10638.6	11112.5	11109.4
20°	7575.7	7585.1	7622.8	7657.3	7889.5	8488.9	9574.8	10899.1	11718.2	11718.2
22.5°	7958.6	7952.3	7990.0	7958.6	8071.6	8467.0	9483.8	11128.2	12392.9	12443.1
25°	8532.9	8501.5	8492.1	8419.9	8441.9	8671.0	9584.2	11388.7	13193.2	13296.7
27.5°	9298.6	9248.4	9213.9	9047.5	8991.1	9091.5	9891.7	11702.5	14084.4	14263.3
30°	10296.6	10205.6	10155.3	9866.6	9662.6	9678.3	10356.2	12119.9	15016.5	15305.2
32.5°	11658.6	11517.3	11382.4	10908.5	10535.1	10412.7	10955.6	12697.3	16027.0	16488.3
35°	13183.7	13070.8	12926.4	12195.2	11620.9	11338.5	11765.3	13503.8	17210.1	17941.3
37.5°	14652.4	14555.2	14624.2	13638.8	12898.2	12487.1	12826.0	14586.5	18669.4	19748.9
40°	16171.4	16096.0	16105.4	15164.0	14301.0	13839.6	14112.7	15945.4	20342.1	21898.6
42.5°	17822.1	17765.6	17577.3	16742.5	15772.8	15342.9	15593.9	17514.5	22137.1	24346.5
45°	19670.5	19636.0	19460.2	18503.1	17392.1	16908.8	17247.8	19246.8	23941.6	26649.9
47.5°	21267.9	21296.1	21274.1	20467.6	19315.9	18606.6	19011.5	21054.5	25620.6	28815.3
50°	22036.7	22184.2	22400.8	22149.7	21434.2	20712.4	20790.8	22799.3	27221.1	30845.8
52.5°	21635.0	21914.3	22504.3	22906.0	23182.2	23031.5	22821.3	24531.6	28727.4	32678.5
55°	20138.1	20530.4	21509.5	22479.2	23888.3	24983.5	25259.7	26452.2	30196.1	34291.5
57.5°	17411.0	18048.0	18926.7	20888.1	23260.6	25928.1	28102.9	29116.6	31752.7	36014.4
60°	12735.0	13588.6	14680.7	17599.2	21063.9	25422.9	30522.5	33208.9	33965.2	38245.7
62.5°	8150.0	8677.2	9681.5	12430.6	16413.0	22833.8	31263.1	38324.2	37715.4	41904.9
65°	5579.8	5918.7	6838.2	8382.2	10610.4	16996.7	29279.8	42159.1	43671.7	47704.4
67.5°	4054.6	4311.9	5096.5	6449.1	6913.5	10058.1	22720.9	41983.4	49461.8	53679.6
70°	2956.2	3138.2	3797.3	5096.5	5319.3	5595.5	13764.3	35688.1	49336.3	55267.5
72.5°	2190.5	2316.0	2758.5	3954.2	4305.7	3778.4	6813.1	25937.6	42394.5	49989.0
75°	1584.8	1679.0	2005.3	3025.3	3445.8	2877.8	3398.7	15157.7	29571.6	35164.0
77.5°	1211.4	1283.5	1496.9	2215.6	2758.5	2159.1	2108.9	6973.2	14021.7	14090.7
80°	972.9	1019.9	1136.0	1559.7	2115.2	1616.2	1374.5	2815.0	4431.2	3750.2
82.5°	715.5	794.0	960.3	1095.2	1512.6	1114.1	837.9	1421.6	1685.2	1449.9
85°	408.0	461.3	580.6	784.6	966.6	681.0	480.2	630.8	784.6	643.3
87.5°	144.4	188.3	204.0	307.5	420.5	282.4	185.2	182.0	257.3	191.4
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°
8671.0	0°	8671.0	8671.0	8671.0	8671.0	8671.0	8671.0	8671.0	8671.0	8671.0	8671.0
8765.1	2.5°	8733.7	8718.0	8655.3	8570.5	8482.7	8397.9	8369.7	8310.1	8269.3	8247.3
8969.1	5°	8909.5	8859.3	8711.8	8523.5	8325.8	8112.4	7961.7	7823.6	7723.2	7629.1
9248.4	7.5°	9160.5	9072.7	8818.5	8488.9	8137.5	7782.8	7519.2	7318.4	7183.4	7095.6
9574.8	10°	9452.4	9317.4	8928.3	8435.6	7892.7	7384.3	7073.6	6901.0	6816.3	6769.2
9948.2	12.5°	9788.2	9596.7	9041.3	8313.2	7519.2	6938.6	6725.2	6675.0	6678.2	6681.3
10419.0	15°	10202.4	9935.7	9132.3	8046.4	7032.8	6596.6	6558.9	6640.5	6725.2	6766.0
10952.5	17.5°	10670.0	10293.4	9148.0	7607.1	6555.8	6376.9	6496.2	6671.9	6800.6	6857.1
11548.7	20°	11172.1	10657.5	9035.0	6985.7	6163.5	6198.0	6411.4	6637.4	6778.6	6850.8
12229.7	22.5°	11746.4	11046.6	8765.1	6333.0	5843.4	6003.5	6254.5	6474.2	6621.7	6693.9
13030.0	25°	12402.3	11482.8	8341.4	5783.8	5567.2	5783.8	6034.8	6216.9	6336.1	6402.0
13924.4	27.5°	13130.4	11937.9	7776.6	5347.6	5325.6	5557.8	5764.9	5906.2	5968.9	6019.1
14875.3	30°	13861.6	12352.1	7092.4	5018.0	5115.3	5335.0	5482.5	5545.3	5564.1	5573.5
15936.0	32.5°	14652.4	12709.9	6373.8	4745.0	4914.5	5118.5	5206.3	5234.6	5146.7	5087.1
17222.7	35°	15609.6	13092.7	5670.8	4528.5	4716.8	4892.5	4920.8	4895.7	4792.1	4669.7
18835.7	37.5°	16792.7	13569.7	5109.1	4374.7	4531.6	4647.7	4613.2	4606.9	4616.4	4472.0
20775.1	40°	18242.6	14191.1	4697.9	4255.5	4381.0	4406.1	4308.8	4362.2	4409.2	4189.6
22902.9	42.5°	19852.5	14941.2	4437.5	4173.9	4255.5	4195.8	4045.2	4104.8	4098.5	3809.8
25040.0	45°	21493.8	15757.1	4346.5	4114.2	4139.3	4020.1	3853.8	3869.4	3737.6	3477.2
27089.3	47.5°	23125.7	16632.7	4403.0	4064.0	3995.0	3860.0	3731.4	3662.3	3467.8	3273.2
29053.8	50°	24726.2	17552.2	4610.1	3963.6	3797.3	3718.8	3624.7	3502.3	3295.2	3128.8
30911.7	52.5°	26210.6	18478.0	4842.3	3797.3	3549.3	3596.4	3536.8	3395.6	3191.6	3022.1
32669.1	55°	27616.5	19403.7	4933.3	3568.2	3317.1	3489.7	3455.2	3194.7	2949.9	2811.9
34508.1	57.5°	29148.0	20517.8	4832.9	3276.3	3128.8	3367.3	3235.5	2946.8	2805.6	2702.0
36902.6	60°	31269.4	22265.8	4616.4	2915.4	2949.9	3185.3	2959.4	2840.1	2686.3	2570.2
40492.7	62.5°	34793.7	25526.4	4268.0	2557.7	2739.7	2915.4	2827.6	2708.3	2551.4	2438.4
46631.1	65°	40003.1	30058.1	3612.1	2278.4	2504.3	2651.8	2686.3	2567.1	2403.9	2284.6
52010.0	67.5°	44396.7	32901.3	2733.4	2046.1	2262.7	2438.4	2535.7	2419.6	2247.0	2130.9
53268.5	70°	44155.0	30836.3	2086.9	1817.0	2049.3	2228.2	2353.7	2262.7	2077.5	1967.7
48385.4	72.5°	39218.6	25796.3	1688.4	1584.8	1832.7	2008.5	2159.1	2090.1	1901.8	1795.1
35446.4	75°	28812.2	18311.6	1349.4	1349.4	1562.8	1779.4	1945.7	1901.8	1729.2	1653.9
14881.5	77.5°	12145.0	7682.4	1057.6	1120.4	1299.2	1528.3	1735.4	1751.1	1600.5	1694.6
3935.4	80°	3229.2	2118.3	806.5	881.8	1019.9	1261.6	1509.5	1503.2	1340.0	1252.2
1462.4	82.5°	1230.2	834.8	574.3	621.4	737.5	966.6	1195.7	1233.3	1070.1	925.8
574.3	85°	473.9	357.8	354.6	373.5	429.9	640.2	903.8	935.2	806.5	684.1
160.1	87.5°	122.4	106.7	131.8	125.5	197.7	342.1	517.8	536.6	492.7	285.6
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°
8671.0
8272.4
7666.7
7114.4
6781.7
6687.6
6762.9
6869.6
6869.6
6712.7
6420.8
6038.0
5595.5
5105.9
4676.0
4481.4
4195.8
3806.7
3486.6
3273.2
3116.3
3025.3
2799.3
2692.6
2563.9
2438.4
2290.9
2134.0
1977.1
1795.1
1631.9
1537.7
1164.3
925.8
706.1
408.0
0.0

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