

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: P851486

Luminaire Tested: **GLAN-SB9C-727-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851486
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-SB9C-727-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 60107 lumens
Efficiency: N/A
Efficacy: 133.6 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

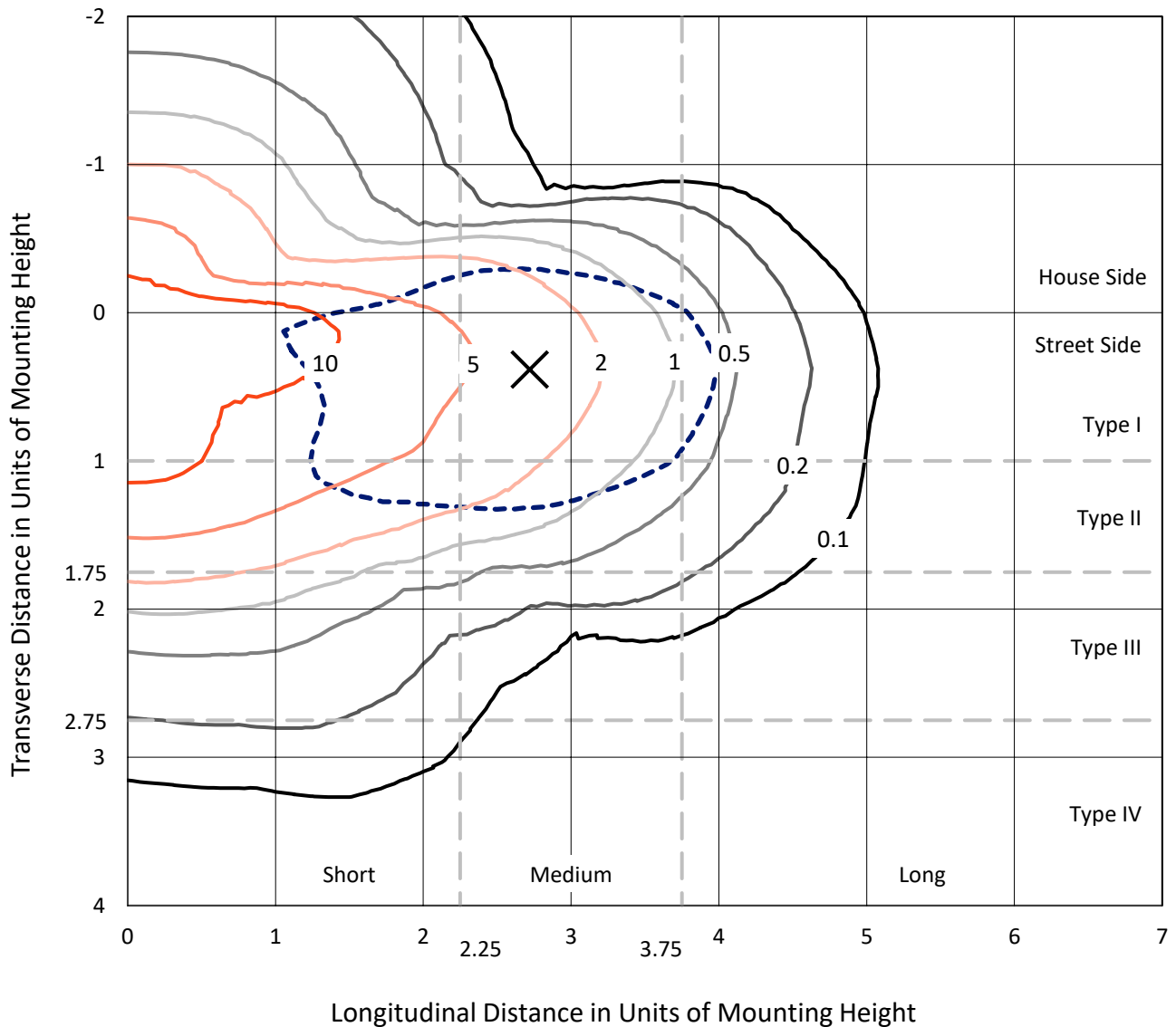
Input Watts (W): 449.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

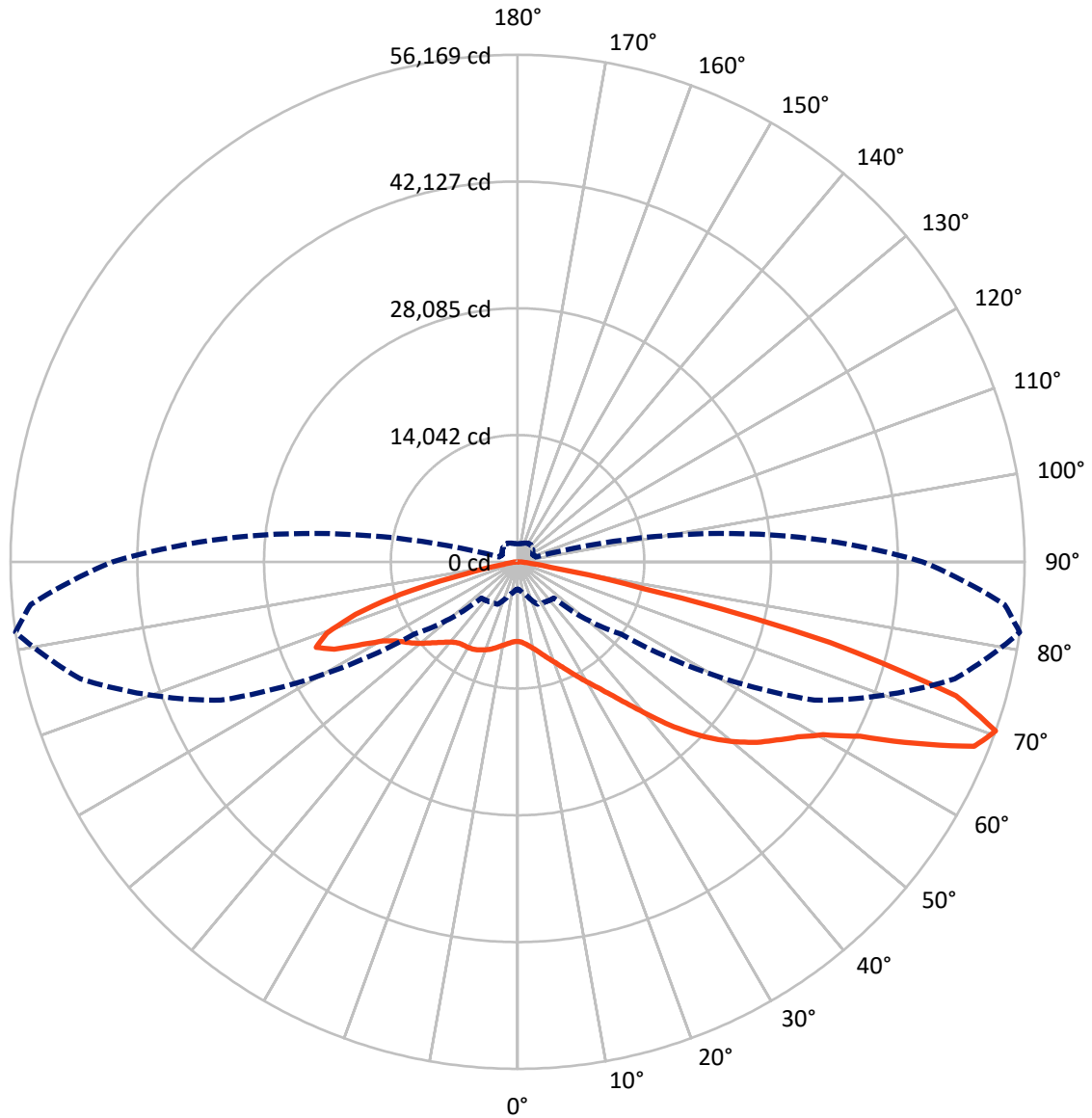
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 16 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	14817.9	0.0	14817.9
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	45289.2	0.0	45289.2
	% Fixture	75.3	0.0	75.3
Total	Lumens	60107.0	0.0	60107.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	832.1	1.4
10°-20°	2390.5	4.0
20°-30°	3999.1	6.7
30°-40°	6247.7	10.4
40°-50°	9950.1	16.6
50°-60°	13846.8	23.0
60°-70°	14484.4	24.1
70°-80°	7570.3	12.6
80°-90°	786.1	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°	60107.0	100.0
0°-180°	60107.0	100.0

Coefficient of Utilization

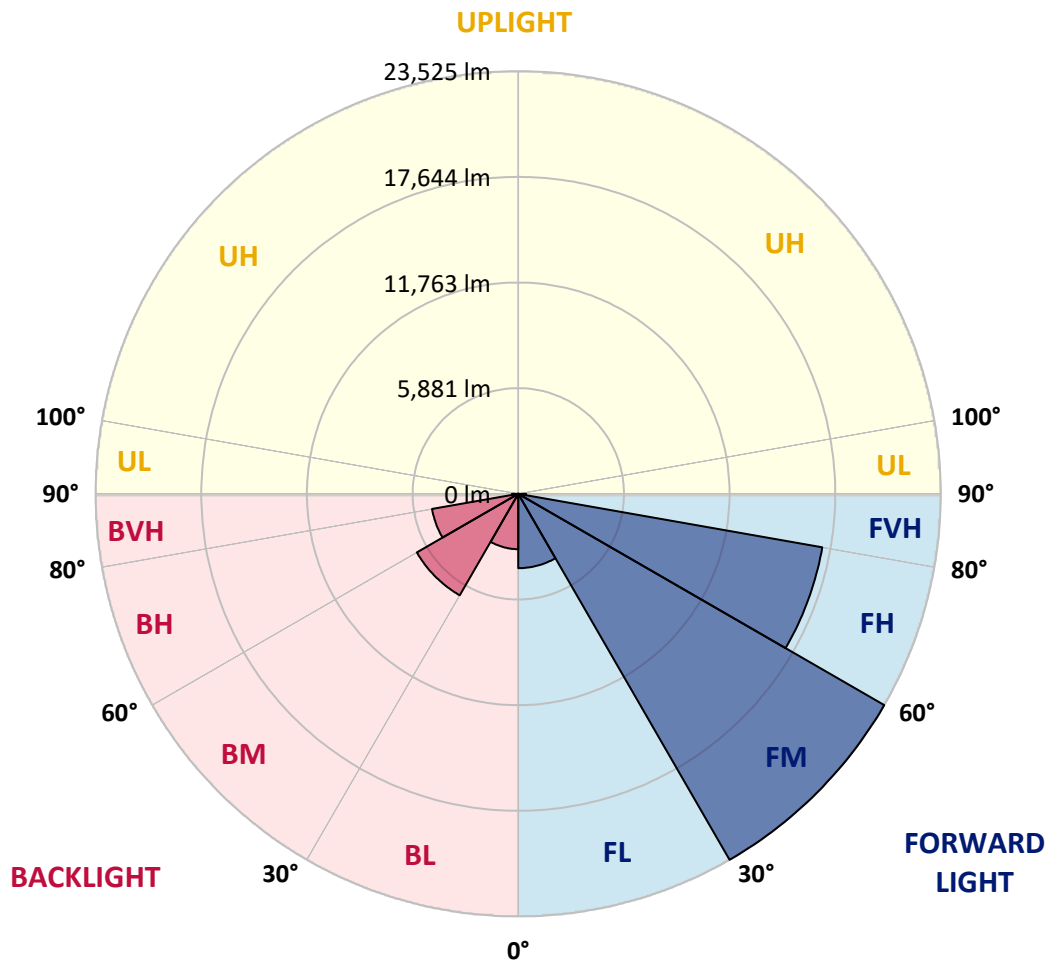


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4139.0	6.9			
FM (30°-60°)	23525.3	39.1			
FH (60°-80°)	17184.8	28.6			G5
FVH (80°-90°)	440.1	0.7			G3/500
BL (0°-30°)	3082.7	5.1	B4/5000		
BM (30°-60°)	6519.3	10.8	B4/8500		
BH (60°-80°)	4869.9	8.1	B4/5000		G4/5000
BVH (80°-90°)	346.0	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°	8812.4	8812.4	8812.4	8812.4	8812.4	8812.4	8812.4	8812.4	8812.4	8812.4
2.5°	9022.9	9074.0	9058.0	9042.1	9042.1	9019.8	9016.6	8984.7	8959.2	8917.7
5°	9137.8	9192.0	9185.6	9198.4	9239.8	9249.4	9259.0	9239.8	9188.8	9137.8
7.5°	9035.7	9096.3	9115.4	9192.0	9319.6	9434.4	9520.5	9555.6	9507.7	9434.4
10°	8691.2	8758.2	8825.2	9007.0	9233.4	9504.5	9734.2	9871.3	9861.8	9791.6
12.5°	7992.8	8062.9	8206.4	8560.5	8975.1	9453.5	9880.9	10168.0	10266.8	10215.8
15°	7434.6	7495.2	7603.6	7967.2	8506.3	9233.4	9935.1	10493.3	10745.2	10716.5
17.5°	7418.7	7444.2	7511.1	7683.4	8098.0	8889.0	9877.7	10812.2	11293.8	11290.6
20°	7699.3	7708.9	7747.2	7782.2	8018.3	8627.4	9731.0	11076.9	11909.4	11909.4
22.5°	8088.4	8082.1	8120.3	8088.4	8203.3	8605.1	9638.5	11309.8	12595.1	12646.2
25°	8672.1	8640.2	8630.6	8557.3	8579.6	8812.4	9740.6	11574.5	13408.4	13513.7
27.5°	9450.3	9399.3	9364.2	9195.2	9137.8	9239.8	10053.1	11893.4	14314.2	14496.0
30°	10464.6	10372.1	10321.0	10027.6	9820.3	9836.2	10525.2	12317.6	15261.5	15554.9
32.5°	11848.8	11705.3	11568.1	11086.5	10707.0	10582.6	11134.4	12904.5	16288.5	16757.3
35°	13398.9	13284.0	13137.3	12394.2	11810.5	11523.5	11957.2	13724.2	17490.9	18234.1
37.5°	14891.5	14792.6	14862.8	13861.3	13108.6	12690.8	13035.3	14824.5	18974.0	20071.2
40°	16435.2	16358.7	16368.2	15411.4	14534.3	14065.5	14342.9	16205.6	20674.0	22256.0
42.5°	18112.9	18055.5	17864.1	17015.7	16030.2	15593.2	15848.4	17800.3	22498.3	24743.7
45°	19991.4	19956.4	19777.8	18805.0	17675.9	17184.7	17529.2	19560.9	24332.3	27084.8
47.5°	21614.9	21643.6	21621.3	20801.6	19631.0	18910.2	19321.7	21398.0	26038.6	29285.5
50°	22396.3	22546.2	22766.3	22511.1	21783.9	21050.3	21130.1	23171.3	27665.2	31349.1
52.5°	21988.0	22271.9	22871.5	23279.8	23560.4	23407.3	23193.6	24931.9	29196.2	33211.7
55°	20466.7	20865.4	21860.5	22846.0	24278.1	25391.2	25671.8	26883.8	30688.8	34851.1
57.5°	17695.0	18342.5	19235.5	21228.9	23640.2	26351.2	28561.5	29591.7	32270.8	36602.1
60°	12942.8	13810.3	14920.2	17886.4	21407.6	25837.7	31020.5	33750.7	34519.4	38869.8
62.5°	8283.0	8818.8	9839.4	12633.4	16680.8	23206.4	31773.3	38949.5	38330.8	42588.7
65°	5670.8	6015.3	6949.8	8519.0	10783.5	17274.0	29757.5	42847.0	44384.3	48482.8
67.5°	4120.8	4382.3	5179.7	6554.3	7026.3	10222.2	23091.6	42668.4	50268.8	54555.5
70°	3004.5	3189.4	3859.2	5179.7	5406.1	5686.8	13988.9	36270.4	50141.3	56169.3
72.5°	2226.2	2353.8	2803.5	4018.7	4375.9	3840.1	6924.3	26360.8	43086.2	50804.7
75°	1610.7	1706.4	2038.1	3074.6	3502.0	2924.7	3454.2	15405.0	30054.1	35737.7
77.5°	1231.1	1304.5	1521.4	2251.7	2803.5	2194.3	2143.3	7086.9	14250.4	14320.6
80°	988.7	1036.6	1154.6	1585.2	2149.7	1642.6	1397.0	2860.9	4503.5	3811.4
82.5°	727.2	806.9	976.0	1113.1	1537.3	1132.3	851.6	1444.8	1712.7	1473.5
85°	414.6	468.8	590.0	797.4	982.3	692.1	488.0	641.1	797.4	653.8
87.5°	146.7	191.4	207.3	312.6	427.4	287.1	188.2	185.0	261.5	194.6
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°
8812.4	0°	8812.4	8812.4	8812.4	8812.4	8812.4	8812.4	8812.4	8812.4	8812.4	8812.4
8908.1	2.5°	8876.2	8860.3	8796.5	8710.4	8621.1	8535.0	8506.3	8445.7	8404.2	8381.9
9115.4	5°	9054.8	9003.8	8853.9	8662.5	8461.6	8244.7	8091.6	7951.3	7849.2	7753.5
9399.3	7.5°	9310.0	9220.7	8962.3	8627.4	8270.2	7909.8	7641.9	7437.8	7300.6	7211.3
9731.0	10°	9606.6	9469.5	9074.0	8573.2	8021.5	7504.8	7189.0	7013.6	6927.5	6879.6
10110.5	12.5°	9947.9	9753.3	9188.8	8448.8	7641.9	7051.9	6835.0	6784.0	6787.1	6790.3
10589.0	15°	10368.9	10097.8	9281.3	8177.7	7147.5	6704.2	6665.9	6748.9	6835.0	6876.4
11131.2	17.5°	10844.1	10461.4	9297.2	7731.2	6662.8	6481.0	6602.2	6780.8	6911.5	6968.9
11737.2	20°	11354.4	10831.4	9182.4	7099.7	6264.1	6299.2	6516.0	6745.7	6889.2	6962.6
12429.3	22.5°	11938.1	11226.8	8908.1	6436.3	5938.7	6101.4	6356.6	6579.8	6729.7	6803.1
13242.6	25°	12604.7	11670.2	8477.5	5878.1	5658.1	5878.1	6133.3	6318.3	6439.5	6506.5
14151.6	27.5°	13344.6	12132.7	7903.4	5434.8	5412.5	5648.5	5859.0	6002.5	6066.3	6117.4
15118.0	30°	14087.8	12553.7	7208.1	5099.9	5198.8	5422.1	5572.0	5635.8	5654.9	5664.5
16196.0	32.5°	14891.5	12917.3	6477.8	4822.4	4994.7	5202.0	5291.3	5320.0	5230.7	5170.1
17503.7	35°	15864.3	13306.4	5763.3	4602.4	4793.7	4972.3	5001.1	4975.5	4870.3	4745.9
19143.1	37.5°	17066.7	13791.2	5192.4	4446.1	4605.6	4723.6	4688.5	4682.1	4691.7	4545.0
21114.1	40°	18540.2	14422.7	4774.6	4324.9	4452.5	4478.0	4379.1	4433.3	4481.2	4257.9
23276.6	42.5°	20176.4	15184.9	4509.9	4242.0	4324.9	4264.3	4111.2	4171.8	4165.4	3872.0
25448.6	45°	21844.5	16014.2	4417.4	4181.4	4206.9	4085.7	3916.6	3932.6	3798.6	3533.9
27531.3	47.5°	23503.0	16904.1	4474.8	4130.3	4060.2	3923.0	3792.3	3722.1	3524.3	3326.6
29527.9	50°	25129.6	17838.6	4685.3	4028.3	3859.2	3779.5	3683.8	3559.4	3348.9	3179.9
31416.0	52.5°	26638.2	18779.5	4921.3	3859.2	3607.3	3655.1	3594.5	3451.0	3243.7	3071.4
33202.1	55°	28067.1	19720.3	5013.8	3626.4	3371.2	3546.7	3511.6	3246.9	2998.1	2857.7
35071.1	57.5°	29623.6	20852.6	4911.7	3329.8	3179.9	3422.3	3288.3	2994.9	2851.4	2746.1
37504.7	60°	31779.6	22629.1	4691.7	2963.0	2998.1	3237.3	3007.6	2886.4	2730.2	2612.2
41153.4	62.5°	35361.4	25942.9	4337.6	2599.4	2784.4	2963.0	2873.7	2752.5	2593.0	2478.2
47392.0	65°	40655.9	30548.5	3671.1	2315.5	2545.2	2695.1	2730.2	2609.0	2443.1	2321.9
52858.7	67.5°	45121.1	33438.1	2778.0	2079.5	2299.6	2478.2	2577.1	2459.1	2283.6	2165.6
54137.6	70°	44875.5	31339.5	2121.0	1846.7	2082.7	2264.5	2392.1	2299.6	2111.4	1999.8
49174.9	72.5°	39858.5	26217.2	1715.9	1610.7	1862.6	2041.2	2194.3	2124.2	1932.8	1824.4
36024.8	75°	29282.3	18610.4	1371.5	1371.5	1588.3	1808.4	1977.5	1932.8	1757.4	1680.8
15124.4	77.5°	12343.2	7807.8	1074.8	1138.6	1320.4	1553.3	1763.8	1779.7	1626.6	1722.3
3999.6	80°	3281.9	2152.9	819.7	896.2	1036.6	1282.2	1534.1	1527.7	1361.9	1272.6
1486.3	82.5°	1250.3	848.4	583.7	631.5	749.5	982.3	1215.2	1253.5	1087.6	940.9
583.7	85°	481.6	363.6	360.4	379.5	437.0	650.6	918.6	950.5	819.7	695.3
162.7	87.5°	124.4	108.4	134.0	127.6	200.9	347.6	526.3	545.4	500.7	290.2
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°
8812.4
8407.4
7791.8
7230.5
6892.4
6796.7
6873.3
6981.7
6981.7
6822.2
6525.6
6136.5
5686.8
5189.2
4752.3
4554.5
4264.3
3868.8
3543.5
3326.6
3167.1
3074.6
2845.0
2736.5
2605.8
2478.2
2328.3
2168.8
2009.4
1824.4
1658.5
1562.8
1183.3
940.9
717.6
414.6
0.0

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