

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: P851056

Luminaire Tested: **GLAN-SB8D-835-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851056
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-835-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 80 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 67506 lumens
Efficiency: N/A
Efficacy: 115.4 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

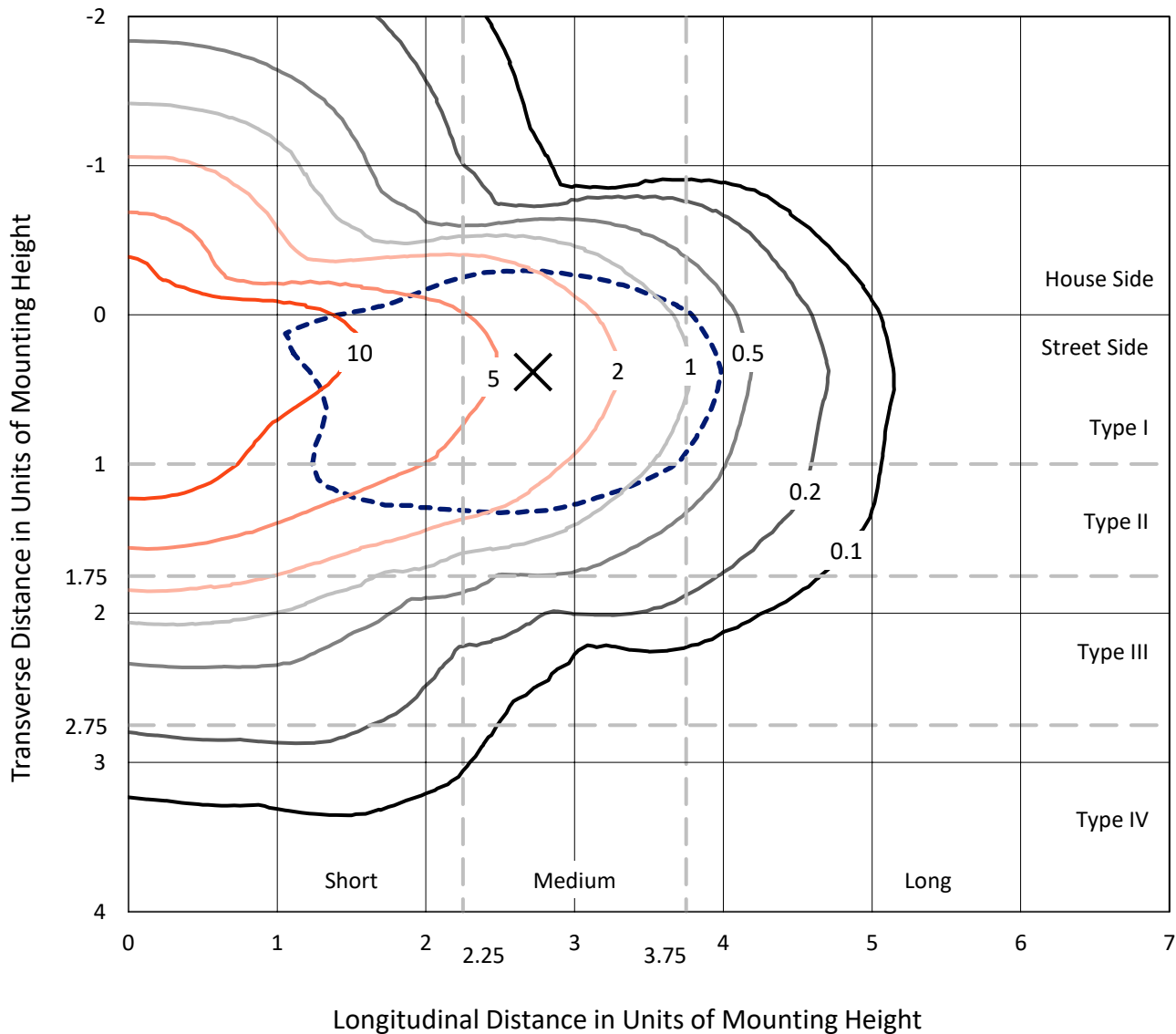
Input Watts (W): 584.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

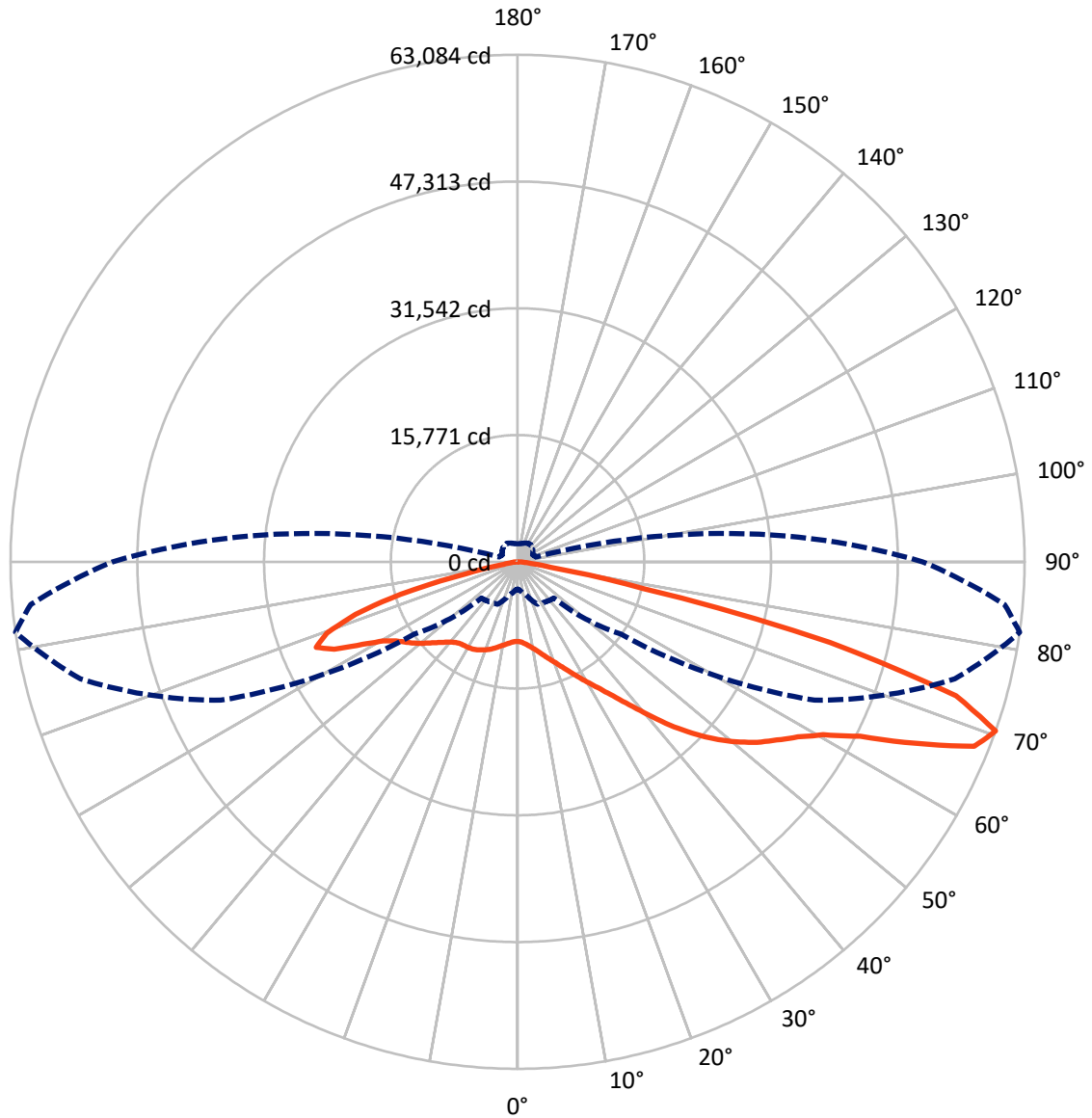
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 18 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	16641.9	0.0	16641.9
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	50864.1	0.0	50864.1
	% Fixture	75.3	0.0	75.3
Total	Lumens	67506.0	0.0	67506.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	934.5	1.4
10°-20°	2684.8	4.0
20°-30°	4491.4	6.7
30°-40°	7016.7	10.4
40°-50°	11174.9	16.6
50°-60°	15551.3	23.0
60°-70°	16267.4	24.1
70°-80°	8502.2	12.6
80°-90°	882.9	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°	67506.0	100.0
0°-180°	67506.0	100.0

Coefficient of Utilization

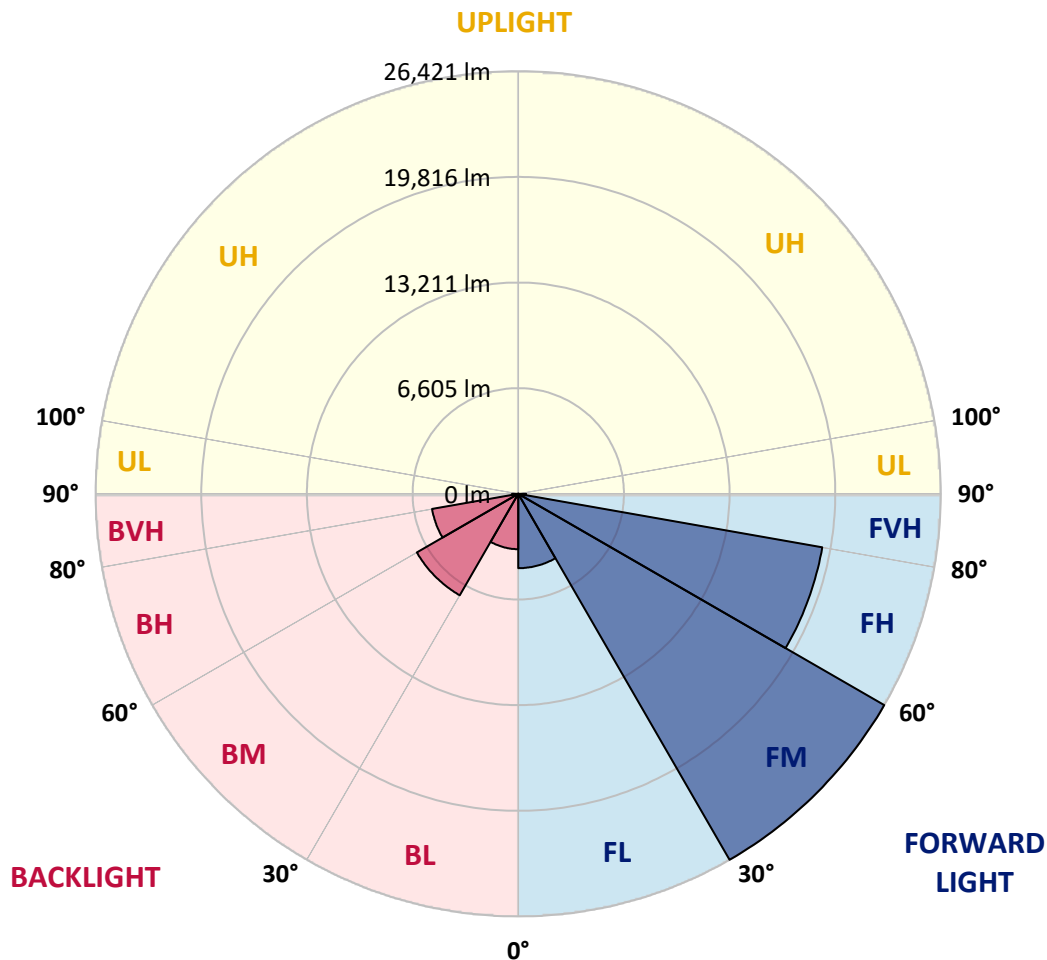


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4648.5	6.9			
FM (30°-60°)	26421.2	39.1			
FH (60°-80°)	19300.2	28.6			G5
FVH (80°-90°)	494.2	0.7			G3/500
BL (0°-30°)	3462.1	5.1	B4/5000		
BM (30°-60°)	7321.8	10.8	B4/8500		
BH (60°-80°)	5469.4	8.1	B5		G5
BVH (80°-90°)	388.6	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°	9897.2	9897.2	9897.2	9897.2	9897.2	9897.2	9897.2	9897.2	9897.2	9897.2
2.5°	10133.6	10191.0	10173.0	10155.1	10155.1	10130.1	10126.5	10090.7	10062.0	10015.4
5°	10262.6	10323.5	10316.3	10330.7	10377.2	10388.0	10398.7	10377.2	10319.9	10262.6
7.5°	10148.0	10216.0	10237.5	10323.5	10466.8	10595.7	10692.4	10731.8	10678.1	10595.7
10°	9761.1	9836.3	9911.6	10115.7	10370.1	10674.5	10932.4	11086.5	11075.7	10996.9
12.5°	8976.6	9055.4	9216.6	9614.2	10079.9	10617.2	11097.2	11419.6	11530.6	11473.3
15°	8349.8	8417.8	8539.6	8948.0	9553.3	10370.1	11158.1	11785.0	12068.0	12035.7
17.5°	8331.9	8360.5	8435.7	8629.2	9094.8	9983.2	11093.6	12143.2	12684.1	12680.5
20°	8647.1	8657.8	8700.8	8740.2	9005.3	9689.5	10928.9	12440.5	13375.4	13375.4
22.5°	9084.1	9076.9	9119.9	9084.1	9213.1	9664.4	10825.0	12702.0	14145.5	14202.9
25°	9739.6	9703.8	9693.0	9610.7	9635.7	9897.2	10939.6	12999.3	15059.0	15177.2
27.5°	10613.6	10556.3	10516.9	10327.1	10262.6	10377.2	11290.6	13357.5	16076.3	16280.4
30°	11752.7	11648.8	11591.5	11262.0	11029.2	11047.1	11820.8	13833.9	17140.1	17469.7
32.5°	13307.3	13146.1	12992.1	12451.2	12025.0	11885.3	12505.0	14493.0	18293.6	18820.1
35°	15048.2	14919.3	14754.5	13919.9	13264.4	12942.0	13429.1	15413.6	19644.0	20478.6
37.5°	16724.6	16613.6	16692.4	15567.6	14722.3	14253.0	14639.9	16649.4	21309.7	22541.9
40°	18458.3	18372.4	18383.1	17308.5	16323.4	15796.9	16108.5	18200.4	23218.9	24995.6
42.5°	20342.5	20278.0	20063.1	19110.3	18003.4	17512.7	17799.2	19991.5	25267.8	27789.6
45°	22452.3	22412.9	22212.3	21119.8	19851.8	19300.1	19687.0	21968.8	27327.5	30418.8
47.5°	24275.6	24307.8	24282.8	23362.2	22047.6	21238.0	21700.1	24032.0	29243.9	32890.4
50°	25153.2	25321.6	25568.7	25282.2	24465.4	23641.6	23731.1	26023.6	31070.8	35208.0
52.5°	24694.7	25013.5	25686.9	26145.4	26460.7	26288.7	26048.7	28000.9	32790.2	37300.0
55°	22986.1	23433.8	24551.4	25658.3	27266.6	28516.8	28832.0	30193.2	34466.6	39141.1
57.5°	19873.3	20600.4	21603.4	23842.2	26550.2	29595.0	32077.3	33234.3	36243.3	41107.7
60°	14536.0	15510.3	16756.9	20088.2	24042.8	29018.2	34839.1	37905.3	38768.6	43654.5
62.5°	9302.6	9904.4	11050.6	14188.5	18734.2	26063.0	35684.5	43744.1	43049.2	47831.2
65°	6368.9	6755.8	7805.3	9567.7	12110.9	19400.4	33420.6	48121.4	49847.9	54450.8
67.5°	4628.0	4921.7	5817.3	7361.1	7891.3	11480.5	25934.1	47920.8	56456.8	61271.1
70°	3374.3	3582.1	4334.3	5817.3	6071.6	6386.8	15710.9	40735.2	56313.5	63083.6
72.5°	2500.3	2643.6	3148.6	4513.4	4914.6	4312.8	7776.6	29605.7	48390.0	57058.6
75°	1808.9	1916.4	2288.9	3453.1	3933.1	3284.7	3879.4	17301.3	33753.7	40136.9
77.5°	1382.7	1465.1	1708.6	2528.9	3148.6	2464.5	2407.1	7959.3	16004.6	16083.4
80°	1110.4	1164.2	1296.7	1780.3	2414.3	1844.8	1568.9	3213.1	5057.9	4280.6
82.5°	816.7	906.3	1096.1	1250.1	1726.6	1271.6	956.4	1622.7	1923.6	1654.9
85°	465.7	526.6	662.7	895.5	1103.3	777.3	548.1	720.0	895.5	734.3
87.5°	164.8	214.9	232.8	351.0	480.0	322.4	211.3	207.8	293.7	218.5
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°
9897.2	0°	9897.2	9897.2	9897.2	9897.2	9897.2	9897.2	9897.2	9897.2	9897.2	9897.2
10004.7	2.5°	9968.9	9951.0	9879.3	9782.6	9682.3	9585.6	9553.3	9485.3	9438.7	9413.6
10237.5	5°	10169.5	10112.1	9943.8	9728.9	9503.2	9259.6	9087.7	8930.1	8815.4	8708.0
10556.3	7.5°	10456.0	10355.7	10065.6	9689.5	9288.3	8883.5	8582.6	8353.4	8199.3	8099.0
10928.9	10°	10789.2	10635.1	10191.0	9628.6	9008.9	8428.6	8074.0	7876.9	7780.2	7726.5
11355.1	12.5°	11172.4	10953.9	10319.9	9488.9	8582.6	7919.9	7676.3	7619.0	7622.6	7626.2
11892.4	15°	11645.3	11340.8	10423.8	9184.4	8027.4	7529.5	7486.5	7579.6	7676.3	7722.9
12501.4	17.5°	12179.0	11749.1	10441.7	8682.9	7482.9	7278.7	7414.9	7615.5	7762.3	7826.8
13182.0	20°	12752.1	12164.7	10312.7	7973.7	7035.2	7074.6	7318.1	7576.1	7737.2	7819.6
13959.3	22.5°	13407.6	12608.8	10004.7	7228.6	6669.8	6852.5	7139.0	7389.8	7558.1	7640.5
14872.7	25°	14156.3	13106.7	9521.1	6601.7	6354.6	6601.7	6888.3	7096.1	7232.2	7307.4
15893.6	27.5°	14987.3	13626.1	8876.3	6103.8	6078.8	6343.8	6580.2	6741.4	6813.1	6870.4
16979.0	30°	15821.9	14099.0	8095.4	5727.7	5838.8	6089.5	6257.9	6329.5	6351.0	6361.7
18189.7	32.5°	16724.6	14507.3	7275.2	5416.1	5609.5	5842.3	5942.6	5974.9	5874.6	5806.5
19658.3	35°	17817.2	14944.3	6472.8	5168.9	5383.8	5584.4	5616.7	5588.0	5469.8	5330.1
21499.5	37.5°	19167.6	15488.8	5831.6	4993.4	5172.5	5305.0	5265.6	5258.5	5269.2	5104.4
23713.2	40°	20822.5	16198.1	5362.3	4857.3	5000.6	5029.2	4918.2	4979.1	5032.8	4782.0
26141.9	42.5°	22660.1	17054.2	5065.0	4764.1	4857.3	4789.2	4617.3	4685.3	4678.2	4348.6
28581.2	45°	24533.5	17985.5	4961.1	4696.1	4724.7	4588.6	4398.8	4416.7	4266.2	3968.9
30920.3	47.5°	26396.2	18984.9	5025.6	4638.8	4560.0	4405.9	4259.1	4180.3	3958.2	3736.1
33162.7	50°	28223.0	20034.4	5262.0	4524.1	4334.3	4244.7	4137.3	3997.6	3761.2	3571.3
35283.3	52.5°	29917.3	21091.2	5527.1	4334.3	4051.3	4105.0	4037.0	3875.8	3643.0	3449.5
37289.2	55°	31522.1	22147.9	5631.0	4072.8	3786.2	3983.2	3943.8	3646.5	3367.1	3209.5
39388.3	57.5°	33270.1	23419.5	5516.4	3739.7	3571.3	3843.5	3693.1	3363.6	3202.4	3084.2
42121.4	60°	35691.6	25414.7	5269.2	3327.7	3367.1	3635.8	3377.9	3241.8	3066.2	2933.7
46219.3	62.5°	39714.3	29136.5	4871.6	2919.4	3127.1	3327.7	3227.4	3091.3	2912.2	2783.3
53225.8	65°	45660.5	34308.9	4122.9	2600.6	2858.5	3026.8	3066.2	2930.1	2743.9	2607.7
59365.4	67.5°	50675.4	37554.3	3120.0	2335.5	2582.7	2783.3	2894.3	2761.8	2564.8	2432.2
60801.8	70°	50399.5	35197.3	2382.1	2074.0	2339.1	2543.3	2686.5	2582.7	2371.3	2245.9
55228.2	72.5°	44765.0	29444.5	1927.1	1808.9	2091.9	2292.5	2464.5	2385.7	2170.7	2048.9
40459.3	75°	32886.9	20901.3	1540.3	1540.3	1783.9	2031.0	2220.9	2170.7	1973.7	1887.7
16986.1	77.5°	13862.6	8768.9	1207.2	1278.8	1483.0	1744.5	1980.9	1998.8	1826.8	1934.3
4491.9	80°	3685.9	2417.9	920.6	1006.6	1164.2	1440.0	1723.0	1715.8	1529.5	1429.2
1669.2	82.5°	1404.2	952.8	655.5	709.2	841.8	1103.3	1364.8	1407.7	1221.5	1056.7
655.5	85°	540.9	408.4	404.8	426.3	490.7	730.7	1031.6	1067.5	920.6	780.9
182.7	87.5°	139.7	121.8	150.4	143.3	225.7	390.4	591.0	612.5	562.4	326.0
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°
9897.2
9442.3
8751.0
8120.5
7740.8
7633.4
7719.3
7841.1
7841.1
7662.0
7328.9
6891.9
6386.8
5828.0
5337.3
5115.2
4789.2
4345.0
3979.7
3736.1
3557.0
3453.1
3195.2
3073.4
2926.5
2783.3
2614.9
2435.8
2256.7
2048.9
1862.7
1755.2
1328.9
1056.7
806.0
465.7
0.0

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