

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: P851036

Luminaire Tested: **GLAN-SB8D-827-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851036
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-827-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 80 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 65006 lumens
Efficiency: N/A
Efficacy: 111.1 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

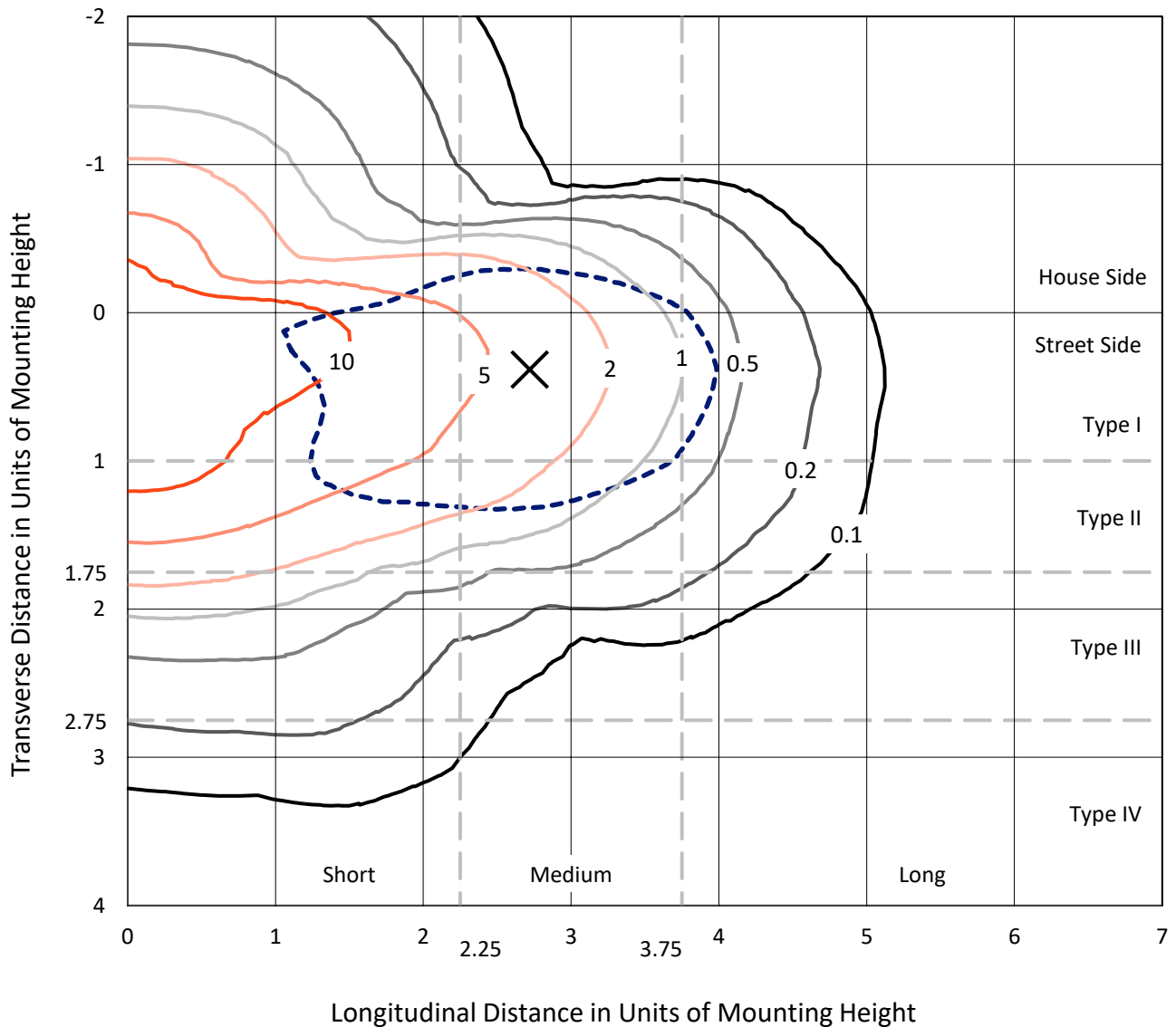
Input Watts (W): 584.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

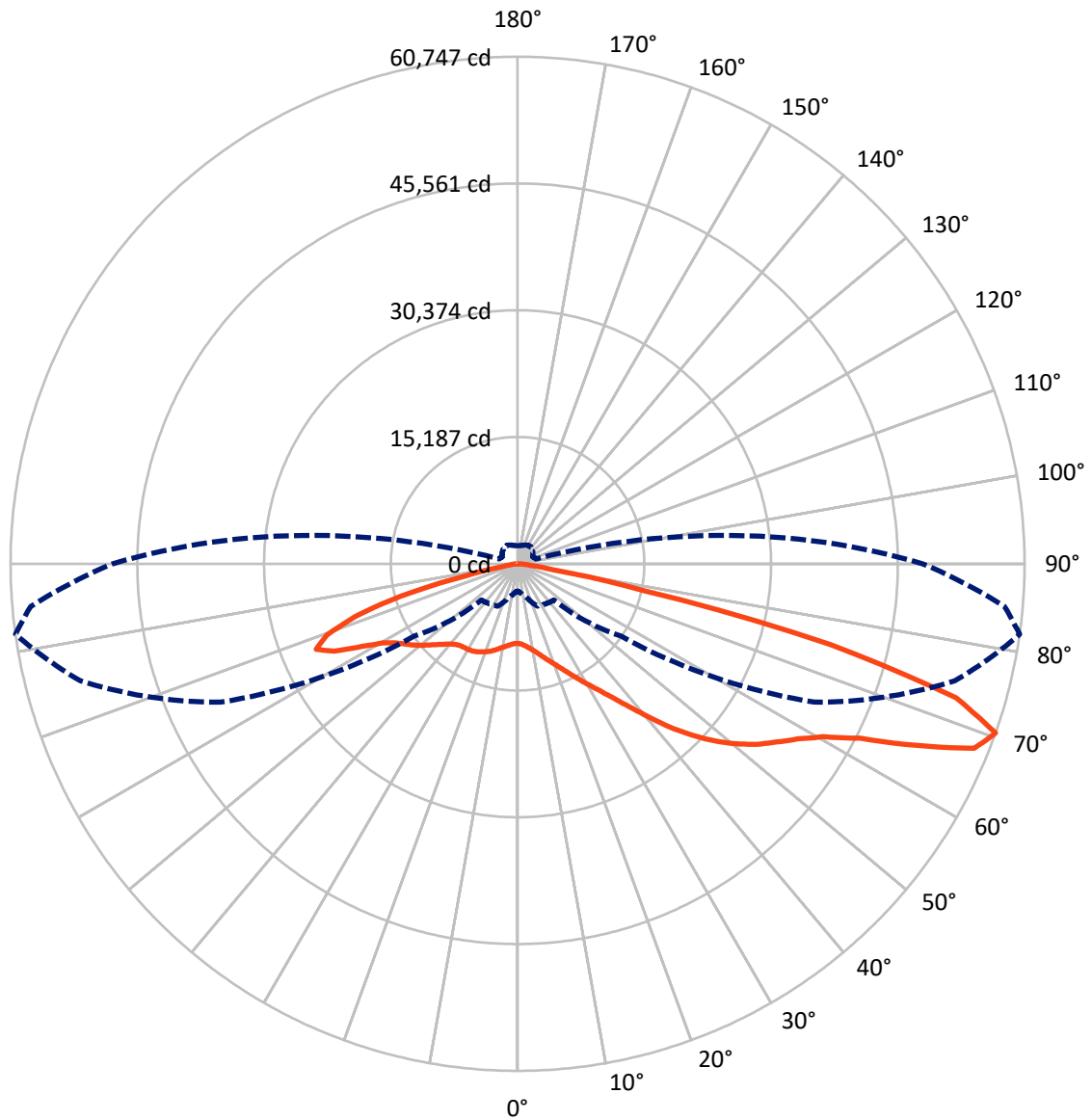
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 17.3 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	16025.6	0.0	16025.6
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	48980.4	0.0	48980.4
	% Fixture	75.3	0.0	75.3
Total	Lumens	65006.0	0.0	65006.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	899.9	1.4
10°-20°	2585.4	4.0
20°-30°	4325.1	6.7
30°-40°	6756.9	10.4
40°-50°	10761.1	16.6
50°-60°	14975.4	23.0
60°-70°	15664.9	24.1
70°-80°	8187.3	12.6
80°-90°	850.2	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°	65006.0	100.0
0°-180°	65006.0	100.0

Coefficient of Utilization

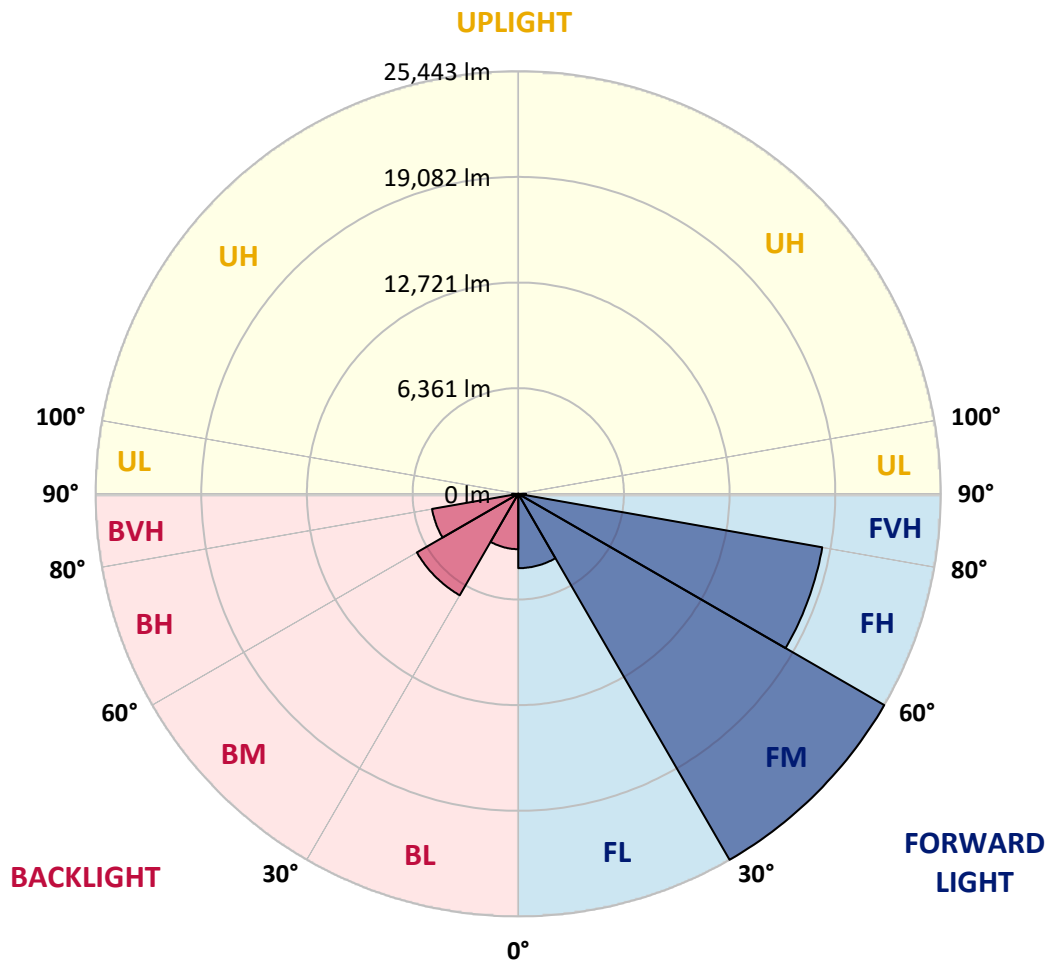


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4476.4	6.9			
FM (30°-60°)	25442.7	39.1			
FH (60°-80°)	18585.4	28.6			G5
FVH (80°-90°)	475.9	0.7			G3/500
BL (0°-30°)	3333.9	5.1	B4/5000		
BM (30°-60°)	7050.6	10.8	B4/8500		
BH (60°-80°)	5266.8	8.1	B5		G5
BVH (80°-90°)	374.2	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°	9530.7	9530.7	9530.7	9530.7	9530.7	9530.7	9530.7	9530.7	9530.7	9530.7
2.5°	9758.4	9813.5	9796.3	9779.0	9779.0	9754.9	9751.5	9717.0	9689.4	9644.5
5°	9882.5	9941.2	9934.3	9948.1	9992.9	10003.3	10013.6	9992.9	9937.7	9882.5
7.5°	9772.2	9837.7	9858.4	9941.2	10079.1	10203.3	10296.5	10334.4	10282.7	10203.3
10°	9399.6	9472.1	9544.5	9741.1	9986.0	10279.2	10527.6	10675.9	10665.5	10589.7
12.5°	8644.2	8720.1	8875.3	9258.2	9706.6	10224.0	10686.2	10996.7	11103.6	11048.4
15°	8040.6	8106.1	8223.4	8616.6	9199.6	9986.0	10744.9	11348.5	11621.0	11590.0
17.5°	8023.3	8050.9	8123.3	8309.6	8758.0	9613.5	10682.8	11693.5	12214.3	12210.9
20°	8326.9	8337.2	8378.6	8416.5	8671.8	9330.6	10524.1	11979.8	12880.1	12880.1
22.5°	8747.7	8740.8	8782.2	8747.7	8871.9	9306.5	10424.1	12231.6	13621.7	13676.9
25°	9378.9	9344.4	9334.1	9254.7	9278.9	9530.7	10534.5	12517.9	14501.3	14615.1
27.5°	10220.6	10165.4	10127.4	9944.6	9882.5	9992.9	10872.5	12862.8	15480.9	15677.5
30°	11317.5	11217.4	11162.3	10844.9	10620.7	10637.9	11383.0	13321.6	16505.4	16822.7
32.5°	12814.5	12659.3	12511.0	11990.1	11579.6	11445.1	12041.9	13956.3	17616.1	18123.1
35°	14490.9	14366.8	14208.1	13404.4	12773.1	12462.7	12931.8	14842.8	18916.5	19720.2
37.5°	16105.2	15998.3	16074.2	14991.1	14177.0	13725.2	14097.7	16032.8	20520.5	21707.1
40°	17774.8	17692.0	17702.3	16667.5	15718.9	15211.9	15512.0	17526.4	22359.0	24069.9
42.5°	19589.1	19527.1	19320.1	18402.5	17336.7	16864.1	17140.1	19251.1	24332.1	26760.4
45°	21620.8	21582.9	21389.7	20337.7	19116.6	18585.4	18957.9	21155.2	26315.5	29292.3
47.5°	23376.6	23407.6	23383.5	22497.0	21231.1	20451.5	20896.5	23142.0	28160.9	31672.4
50°	24221.7	24383.8	24621.8	24345.9	23559.4	22766.0	22852.3	25059.9	29920.1	33904.2
52.5°	23780.2	24087.2	24735.6	25177.2	25480.7	25315.1	25084.0	26964.0	31575.8	35918.6
55°	22134.8	22566.0	23642.2	24708.1	26256.8	27460.7	27764.2	29075.0	33190.1	37691.6
57.5°	19137.3	19837.5	20803.3	22959.2	25567.0	28498.9	30889.4	32003.5	34901.0	39585.3
60°	13997.7	14935.9	16136.3	19344.2	23152.4	27943.6	33548.9	36501.6	37332.9	42037.8
62.5°	8958.1	9537.6	10641.4	13663.1	18040.4	25097.8	34362.9	42124.1	41454.9	46059.8
65°	6133.0	6505.6	7516.2	9213.3	11662.4	18682.0	32182.9	46339.2	48001.9	52434.3
67.5°	4456.6	4739.5	5601.8	7088.5	7599.0	11055.3	24973.7	46146.1	54366.0	59002.0
70°	3249.3	3449.4	4173.8	5601.8	5846.7	6150.3	15129.1	39226.6	54228.0	60747.4
72.5°	2407.7	2545.7	3032.0	4346.2	4732.6	4153.1	7488.6	28509.3	46597.9	54945.5
75°	1741.9	1845.4	2204.2	3325.2	3787.4	3163.1	3735.7	16660.6	32503.7	38650.5
77.5°	1331.5	1410.8	1645.4	2435.3	3032.0	2373.2	2318.0	7664.6	15411.9	15487.8
80°	1069.3	1121.1	1248.7	1714.4	2324.9	1776.4	1510.8	3094.1	4870.6	4122.0
82.5°	786.5	872.7	1055.5	1203.8	1662.6	1224.5	921.0	1562.6	1852.3	1593.6
85°	448.4	507.1	638.1	862.4	1062.4	748.5	527.8	693.3	862.4	707.1
87.5°	158.7	207.0	224.2	338.0	462.2	310.4	203.5	200.1	282.9	210.4
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°
9530.7	0°	9530.7	9530.7	9530.7	9530.7	9530.7	9530.7	9530.7	9530.7	9530.7	9530.7
9634.2	2.5°	9599.7	9582.4	9513.4	9420.3	9323.7	9230.6	9199.6	9134.0	9089.2	9065.0
9858.4	5°	9792.8	9737.7	9575.5	9368.6	9151.3	8916.7	8751.1	8599.4	8489.0	8385.5
10165.4	7.5°	10068.8	9972.2	9692.8	9330.6	8944.3	8554.5	8264.8	8044.0	7895.7	7799.1
10524.1	10°	10389.6	10241.3	9813.5	9272.0	8675.2	8116.4	7774.9	7585.2	7492.1	7440.4
10934.6	12.5°	10758.7	10548.3	9937.7	9137.5	8264.8	7626.6	7392.1	7336.9	7340.3	7343.8
11452.0	15°	11214.0	10920.8	10037.8	8844.3	7730.1	7250.6	7209.2	7298.9	7392.1	7436.9
12038.4	17.5°	11728.0	11314.0	10055.0	8361.3	7205.8	7009.2	7140.3	7333.4	7474.9	7536.9
12693.8	20°	12279.9	11714.2	9930.8	7678.4	6774.6	6812.6	7047.1	7295.5	7450.7	7530.0
13442.3	22.5°	12911.1	12141.9	9634.2	6960.9	6422.8	6598.7	6874.7	7116.1	7278.2	7357.6
14321.9	25°	13632.0	12621.4	9168.5	6357.2	6119.2	6357.2	6633.2	6833.3	6964.3	7036.8
15305.0	27.5°	14432.3	13121.5	8547.6	5877.8	5853.6	6108.9	6336.5	6491.8	6560.8	6615.9
16350.2	30°	15236.0	13576.8	7795.6	5515.6	5622.5	5864.0	6026.1	6095.1	6115.8	6126.1
17516.1	32.5°	16105.2	13970.1	7005.7	5215.5	5401.8	5626.0	5722.6	5753.6	5657.0	5591.5
18930.3	35°	17157.3	14390.9	6233.1	4977.5	5184.4	5377.6	5408.7	5381.1	5267.2	5132.7
20703.3	37.5°	18457.7	14915.2	5615.6	4808.5	4980.9	5108.6	5070.6	5063.7	5074.1	4915.4
22835.0	40°	20051.4	15598.2	5163.8	4677.4	4815.4	4843.0	4736.0	4794.7	4846.4	4604.9
25173.7	42.5°	21820.9	16422.6	4877.5	4587.7	4677.4	4611.8	4446.3	4511.8	4504.9	4187.6
27522.8	45°	23624.9	17319.4	4777.4	4522.2	4549.8	4418.7	4235.9	4253.1	4108.2	3821.9
29775.2	47.5°	25418.6	18281.8	4839.5	4467.0	4391.1	4242.8	4101.3	4025.4	3811.6	3597.7
31934.5	50°	27177.8	19292.5	5067.2	4356.6	4173.8	4087.5	3984.1	3849.5	3621.9	3439.1
33976.6	52.5°	28809.4	20310.1	5322.4	4173.8	3901.3	3953.0	3887.5	3732.3	3508.0	3321.8
35908.3	55°	30354.7	21327.6	5422.5	3922.0	3646.0	3835.7	3797.8	3511.5	3242.4	3090.7
37929.6	57.5°	32038.0	22552.2	5312.1	3601.2	3439.1	3701.2	3556.3	3239.0	3083.8	2969.9
40561.5	60°	34369.8	24473.5	5074.1	3204.5	3242.4	3501.1	3252.8	3121.7	2952.7	2825.1
44507.6	62.5°	38243.5	28057.4	4691.2	2811.3	3011.3	3204.5	3107.9	2976.8	2804.4	2680.2
51254.6	65°	43969.5	33038.4	3970.3	2504.3	2752.6	2914.7	2952.7	2821.6	2642.2	2511.2
57166.9	67.5°	48798.7	36163.5	3004.4	2249.0	2487.0	2680.2	2787.1	2659.5	2469.8	2342.1
58550.1	70°	48533.1	33893.8	2293.9	1997.2	2252.5	2449.1	2587.1	2487.0	2283.5	2162.8
53182.9	72.5°	43107.2	28354.1	1855.8	1741.9	2014.4	2207.6	2373.2	2297.3	2090.3	1973.1
38961.0	75°	31668.9	20127.2	1483.2	1483.2	1717.8	1955.8	2138.6	2090.3	1900.6	1817.8
16357.1	77.5°	13349.2	8444.1	1162.4	1231.4	1428.1	1679.9	1907.5	1924.8	1759.2	1862.7
4325.5	80°	3549.4	2328.3	886.5	969.3	1121.1	1386.7	1659.2	1652.3	1472.9	1376.3
1607.4	82.5°	1352.2	917.5	631.2	683.0	810.6	1062.4	1314.2	1355.6	1176.2	1017.6
631.2	85°	520.9	393.2	389.8	410.5	472.6	703.7	993.4	1027.9	886.5	752.0
175.9	87.5°	134.5	117.3	144.9	138.0	217.3	376.0	569.2	589.8	541.6	313.9
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°
9530.7
9092.6
8426.9
7819.8
7454.2
7350.7
7433.5
7550.7
7550.7
7378.3
7057.5
6636.6
6150.3
5612.2
5139.6
4925.7
4611.8
4184.1
3832.3
3597.7
3425.3
3325.2
3076.9
2959.6
2818.2
2680.2
2518.1
2345.6
2173.1
1973.1
1793.7
1690.2
1279.7
1017.6
776.1
448.4
0.0

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