

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: P853176

Luminaire Tested: **GLAN-SB9B-735-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P853176
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB9B-735-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 38108 lumens
Efficiency: N/A
Efficacy: 115.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

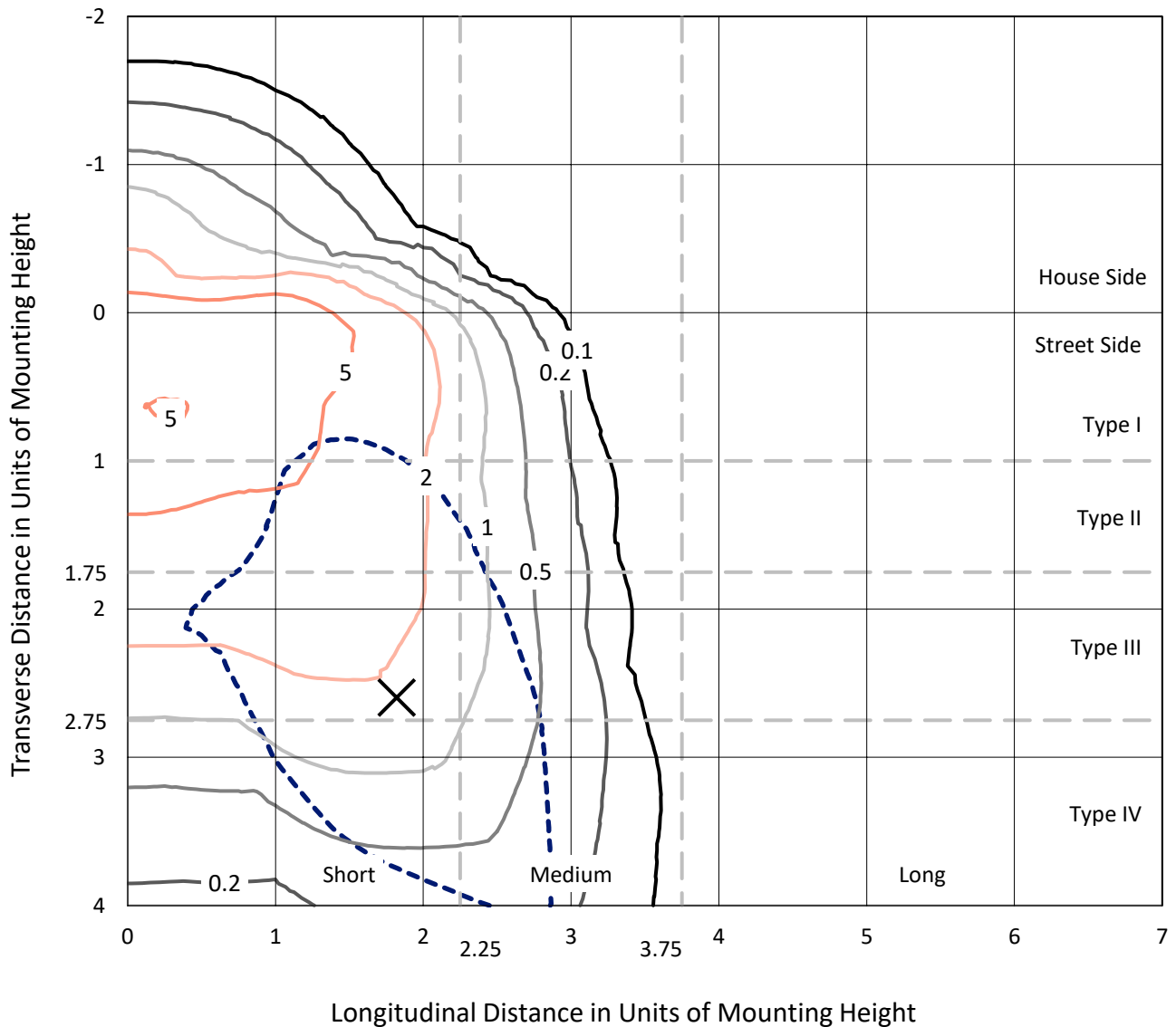
Input Watts (W): 329.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

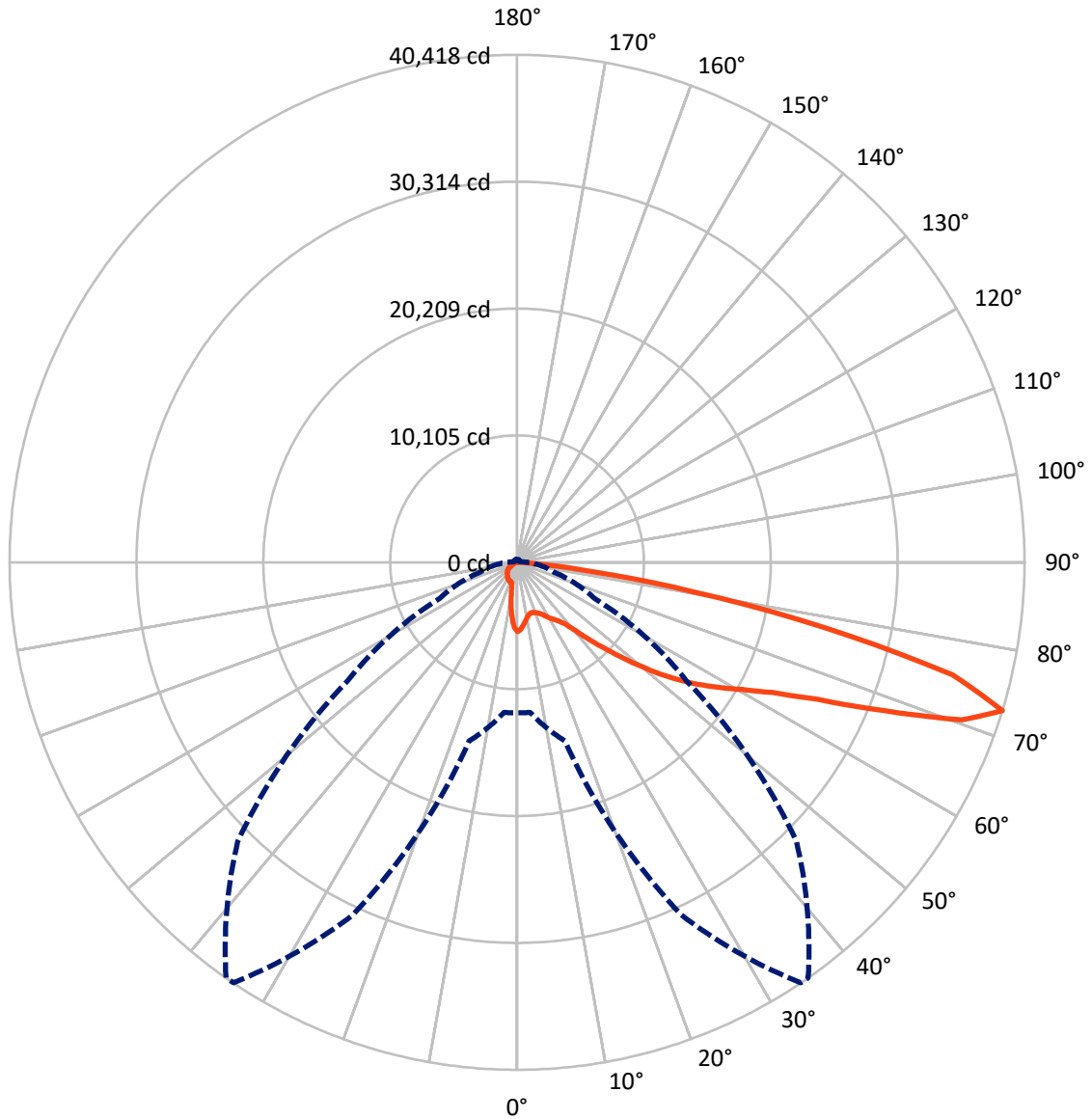
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.8 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4288.9	0.0	4288.9
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	33819.1	0.0	33819.1
	% Fixture	88.7	0.0	88.7
Total	Lumens	38108.0	0.0	38108.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	453.9	1.2
10°-20°	1061.7	2.8
20°-30°	1724.8	4.5
30°-40°	2877.8	7.6
40°-50°	5444.8	14.3
50°-60°	8651.7	22.7
60°-70°	10702.8	28.1
70°-80°	6652.9	17.5
80°-90°	537.7	1.4
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°	38108.0	100.0
0°-180°	38108.0	100.0

Coefficient of Utilization



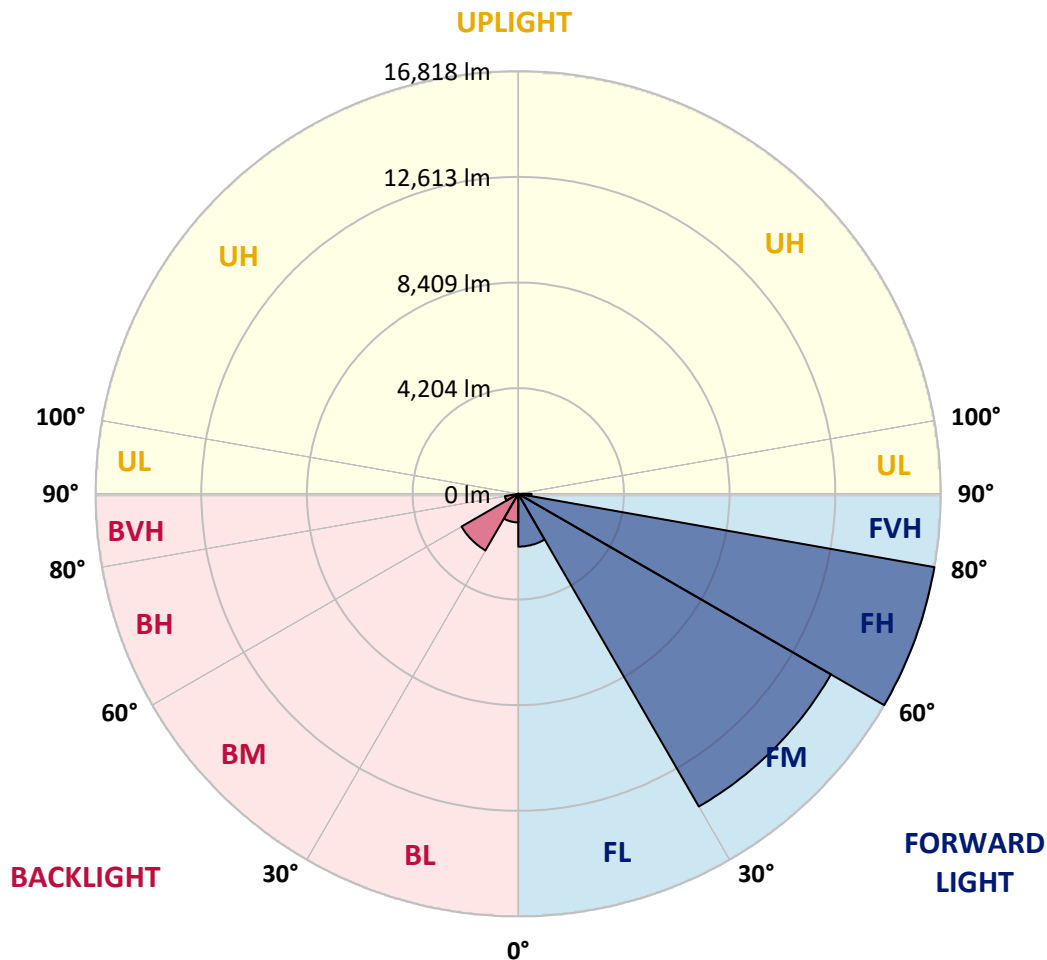
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2100.7	5.5			
FM (30°-60°)	14370.5	37.7			
FH (60°-80°)	16817.5	44.1			G5
FVH (80°-90°)	530.3	1.4			G4/750
BL (0°-30°)	1139.6	3.0	B3/2500		
BM (30°-60°)	2603.7	6.8	B3/5000		
BH (60°-80°)	538.2	1.4	B2/1000		G2/1000
BVH (80°-90°)	7.3	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	5523.1	5523.1	5523.1	5523.1	5523.1	5523.1	5523.1	5523.1	5523.1	5523.1
2.5°	5277.4	5322.1	5330.5	5344.4	5344.4	5361.2	5389.1	5428.2	5492.4	5525.9
5°	4864.1	4897.7	4939.5	4973.0	5037.3	5045.6	5154.5	5260.7	5408.6	5520.3
7.5°	4448.1	4487.2	4543.0	4624.0	4707.8	4732.9	4897.7	5076.4	5310.9	5520.3
10°	4154.9	4157.7	4208.0	4288.9	4423.0	4453.7	4654.7	4908.8	5202.0	5486.8
12.5°	3990.2	4009.7	4032.1	4093.5	4221.9	4241.5	4456.5	4755.3	5093.1	5467.3
15°	3990.2	4004.1	4018.1	4048.8	4152.1	4168.9	4358.7	4657.5	5037.3	5475.7
17.5°	4032.1	4054.4	4043.2	4079.5	4188.4	4199.6	4367.1	4629.6	5034.5	5528.7
20°	4132.6	4149.3	4127.0	4149.3	4258.2	4280.6	4453.7	4682.7	5081.9	5620.9
22.5°	4291.7	4300.1	4247.1	4263.8	4375.5	4403.4	4604.5	4833.4	5196.4	5768.8
25°	4492.8	4509.5	4428.6	4448.1	4554.2	4587.7	4819.5	5059.6	5377.9	5972.7
27.5°	4724.5	4732.9	4663.1	4660.3	4797.1	4844.6	5079.2	5338.8	5620.9	6229.6
30°	4989.8	5014.9	4947.9	4936.7	5109.9	5149.0	5380.7	5682.3	5978.3	6614.9
32.5°	5199.2	5218.8	5179.7	5207.6	5383.5	5414.2	5746.5	6168.1	6539.5	7162.2
35°	5500.8	5512.0	5422.6	5472.9	5673.9	5752.1	6246.3	6849.5	7246.0	7849.1
37.5°	6592.6	6592.6	6212.8	5964.3	6157.0	6226.8	6930.4	7706.7	8117.2	8770.5
40°	8103.2	8078.1	7522.4	7014.2	6989.1	7125.9	7904.9	8787.3	9242.4	9876.3
42.5°	9714.3	9675.2	8918.5	8415.9	8332.2	8379.6	9030.2	10119.2	10582.7	11225.0
45°	11144.0	11132.8	10440.3	9764.6	9613.8	9764.6	10434.7	11677.3	12009.6	12685.3
47.5°	12341.9	12341.9	11836.5	11395.3	11317.1	11406.5	12336.3	13405.7	13375.0	14240.6
50°	13721.3	13710.1	13229.8	13039.9	13120.9	13246.6	14525.4	15226.3	14787.9	15768.0
52.5°	14687.4	14754.4	14589.7	14558.9	14972.2	15190.0	16748.1	17007.8	16052.8	17217.2
55°	15452.5	15530.7	15720.5	15935.5	16731.3	17016.1	18900.9	18697.1	17111.1	18473.7
57.5°	16535.9	16424.2	16717.4	17141.8	18429.0	18772.5	20986.8	20291.5	17962.7	19492.9
60°	17851.0	17867.8	17918.1	18454.2	20124.0	20565.1	23041.9	21799.3	18510.0	20118.4
62.5°	19431.5	19456.6	19559.9	20383.6	22399.7	22815.7	25231.0	23033.5	18761.3	19942.5
65°	19322.6	19428.7	20581.9	23399.3	25859.3	26269.8	27786.0	23899.1	18381.6	18334.1
67.5°	17602.5	17775.6	19705.1	27001.3	31075.3	31533.2	30874.2	24069.4	16742.5	14257.4
70°	15346.4	15407.8	17728.2	30240.4	37115.0	37578.5	33638.6	22195.8	12704.9	7952.4
72.5°	11984.5	11998.4	14720.9	30991.5	40393.1	40418.2	31469.0	16477.2	6832.7	3054.8
75°	8561.1	8477.4	9859.5	25133.3	35537.3	35822.1	23592.0	7729.0	2610.8	1443.6
77.5°	4590.5	4682.7	5579.0	14905.2	24549.7	25035.6	12872.4	2228.2	1329.1	982.9
80°	1418.5	1496.7	2286.9	6824.3	13905.5	14198.7	4772.0	991.3	927.0	700.9
82.5°	446.8	463.5	1066.7	2867.7	5771.6	5905.7	1382.2	561.2	633.8	463.5
85°	128.4	131.2	474.7	1069.4	1426.9	1454.8	388.1	217.8	363.0	287.6
87.5°	14.0	44.7	178.7	178.7	125.7	122.9	41.9	47.5	103.3	36.3
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°
5523.1	0°	5523.1	5523.1	5523.1	5523.1	5523.1	5523.1	5523.1	5523.1	5523.1	5523.1
5548.3	2.5°	5534.3	5537.1	5500.8	5439.4	5372.3	5316.5	5246.7	5190.8	5151.8	5140.6
5598.5	5°	5573.4	5553.8	5450.5	5263.4	5040.1	4847.4	4632.4	4462.1	4350.4	4302.9
5651.6	7.5°	5632.0	5576.2	5350.0	4981.4	4554.2	4174.5	3789.1	3490.3	3300.5	3205.5
5701.8	10°	5682.3	5570.6	5182.5	4573.8	3920.4	3345.1	2825.8	2465.6	2264.5	2169.6
5760.5	12.5°	5729.8	5567.8	4964.7	4090.7	3205.5	2501.9	2018.8	1840.1	1784.3	1764.7
5855.4	15°	5819.1	5576.2	4691.0	3537.8	2493.5	1890.4	1714.5	1711.7	1722.8	1717.3
6000.6	17.5°	5942.0	5584.6	4381.1	2951.4	1923.9	1667.0	1658.6	1683.7	1700.5	1692.1
6182.1	20°	6101.1	5618.1	4051.6	2370.6	1653.0	1611.1	1630.7	1653.0	1667.0	1653.0
6425.0	22.5°	6324.5	5676.7	3691.4	1904.3	1566.5	1577.6	1594.4	1619.5	1633.5	1613.9
6735.0	25°	6598.2	5768.8	3336.8	1655.8	1524.6	1538.5	1563.7	1591.6	1608.4	1588.8
7125.9	27.5°	6952.8	5916.8	3010.1	1600.0	1482.7	1491.1	1527.4	1569.3	1591.6	1566.5
7681.6	30°	7466.6	6159.8	2728.1	1625.1	1457.6	1438.0	1488.3	1546.9	1572.1	1549.7
8438.3	32.5°	8147.9	6503.2	2554.9	1664.2	1446.4	1376.6	1424.1	1499.5	1541.3	1527.4
9426.7	35°	9041.4	7025.4	2487.9	1708.9	1438.0	1312.4	1345.9	1426.9	1499.5	1513.4
10672.1	37.5°	10124.8	7751.4	2507.5	1728.4	1412.9	1259.3	1276.1	1345.9	1440.8	1485.5
12073.8	40°	11356.2	8597.4	2619.2	1708.9	1385.0	1214.6	1217.4	1270.5	1354.3	1421.3
13581.6	42.5°	12626.7	9585.9	2825.8	1636.3	1359.8	1175.5	1167.2	1203.5	1259.3	1306.8
15086.7	45°	13835.7	10602.3	3029.6	1535.8	1329.1	1136.5	1116.9	1130.9	1142.0	1161.6
16552.6	47.5°	14891.2	11317.1	2971.0	1443.6	1287.2	1091.8	1058.3	1052.7	1019.2	1016.4
17862.2	50°	15620.0	11473.5	2638.7	1351.5	1225.8	1041.5	988.5	955.0	896.3	868.4
18842.3	52.5°	15851.8	10856.4	2155.6	1259.3	1125.3	974.5	899.1	846.1	773.5	748.3
19406.3	55°	15544.6	9647.3	1722.8	1147.6	985.7	885.2	801.4	731.6	672.9	642.2
19467.8	57.5°	14793.5	8108.8	1362.6	1016.4	837.7	784.6	700.9	631.1	580.8	550.1
18786.4	60°	13548.1	6439.0	1077.8	860.0	714.8	675.7	589.2	544.5	499.8	463.5
17027.3	62.5°	11657.8	4596.1	846.1	681.3	597.5	552.9	502.6	469.1	416.0	365.8
13863.7	65°	9097.2	2811.8	653.4	499.8	480.3	457.9	427.2	396.5	332.3	282.0
9044.2	67.5°	5738.1	1331.9	466.3	377.0	379.7	368.6	354.6	329.5	282.0	237.3
4051.6	70°	2527.0	645.0	307.2	287.6	282.0	282.0	293.2	284.8	240.1	198.3
1407.3	72.5°	860.0	346.2	229.0	217.8	203.8	201.0	245.7	237.3	192.7	153.6
700.9	75°	449.6	231.8	167.5	156.4	122.9	148.0	195.5	184.3	136.8	100.5
463.5	77.5°	293.2	164.7	114.5	100.5	69.8	97.7	145.2	128.4	81.0	50.3
304.4	80°	184.3	108.9	67.0	47.5	33.5	53.1	78.2	55.8	30.7	11.2
178.7	82.5°	97.7	55.8	25.1	16.8	14.0	16.8	19.5	14.0	5.6	0.0
92.1	85°	39.1	19.5	8.4	5.6	2.8	0.0	5.6	2.8	0.0	0.0
16.8	87.5°	14.0	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°
5523.1
5160.1
4319.7
3219.5
2172.4
1759.1
1714.5
1689.3
1650.2
1611.1
1586.0
1566.5
1546.9
1527.4
1513.4
1496.7
1443.6
1326.3
1172.8
1013.6
871.2
745.5
642.2
544.5
455.1
357.4
273.6
231.8
189.9
145.2
92.1
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