

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: P853082

Luminaire Tested: **GLAN-SB8C-827-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P853082
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-SB8C-827-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 80 CRI, 2700K, 615mA 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: 36558 lumens
Efficiency: N/A
Efficacy: 91.4 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

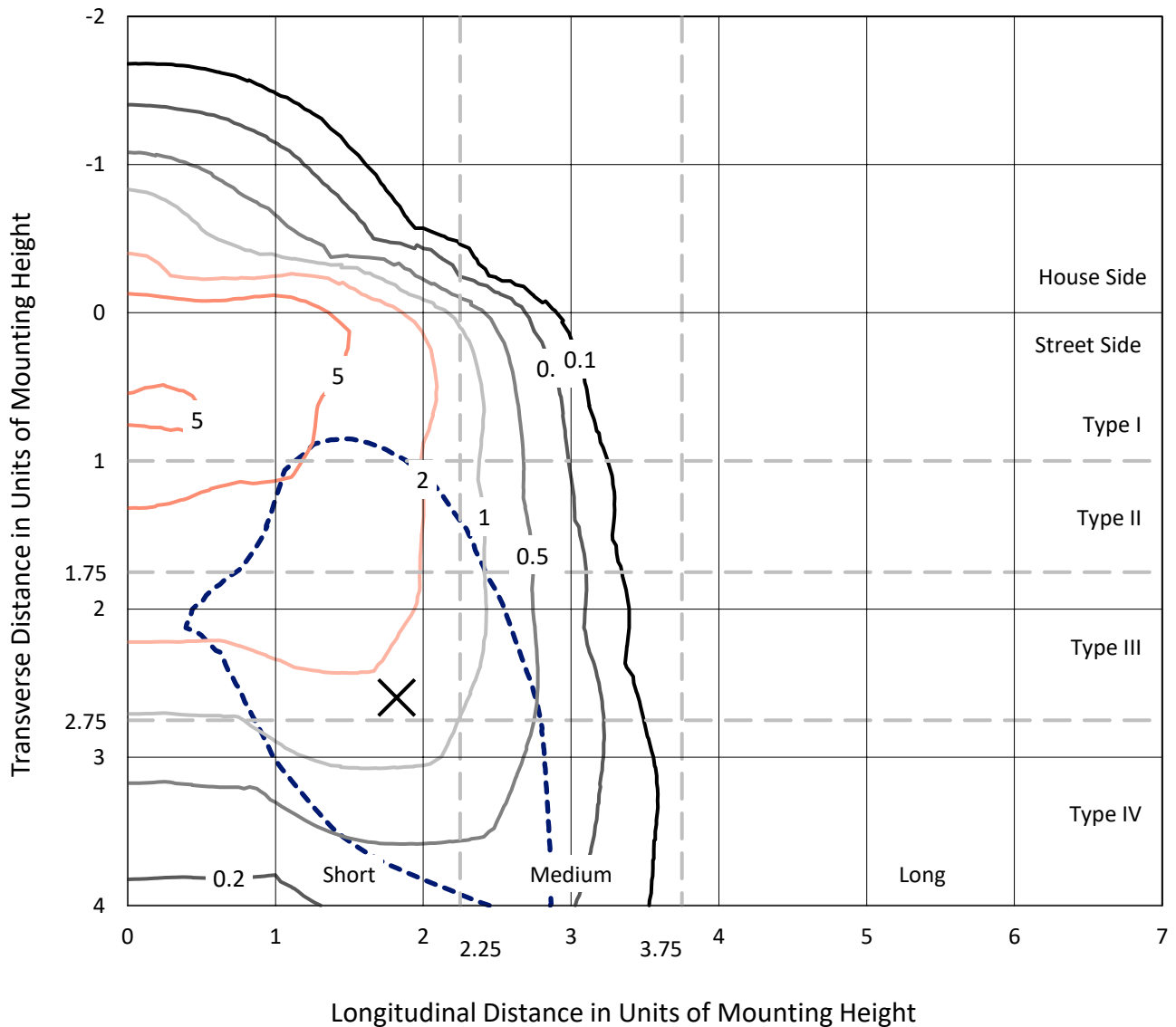
Input Watts (W): 399.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

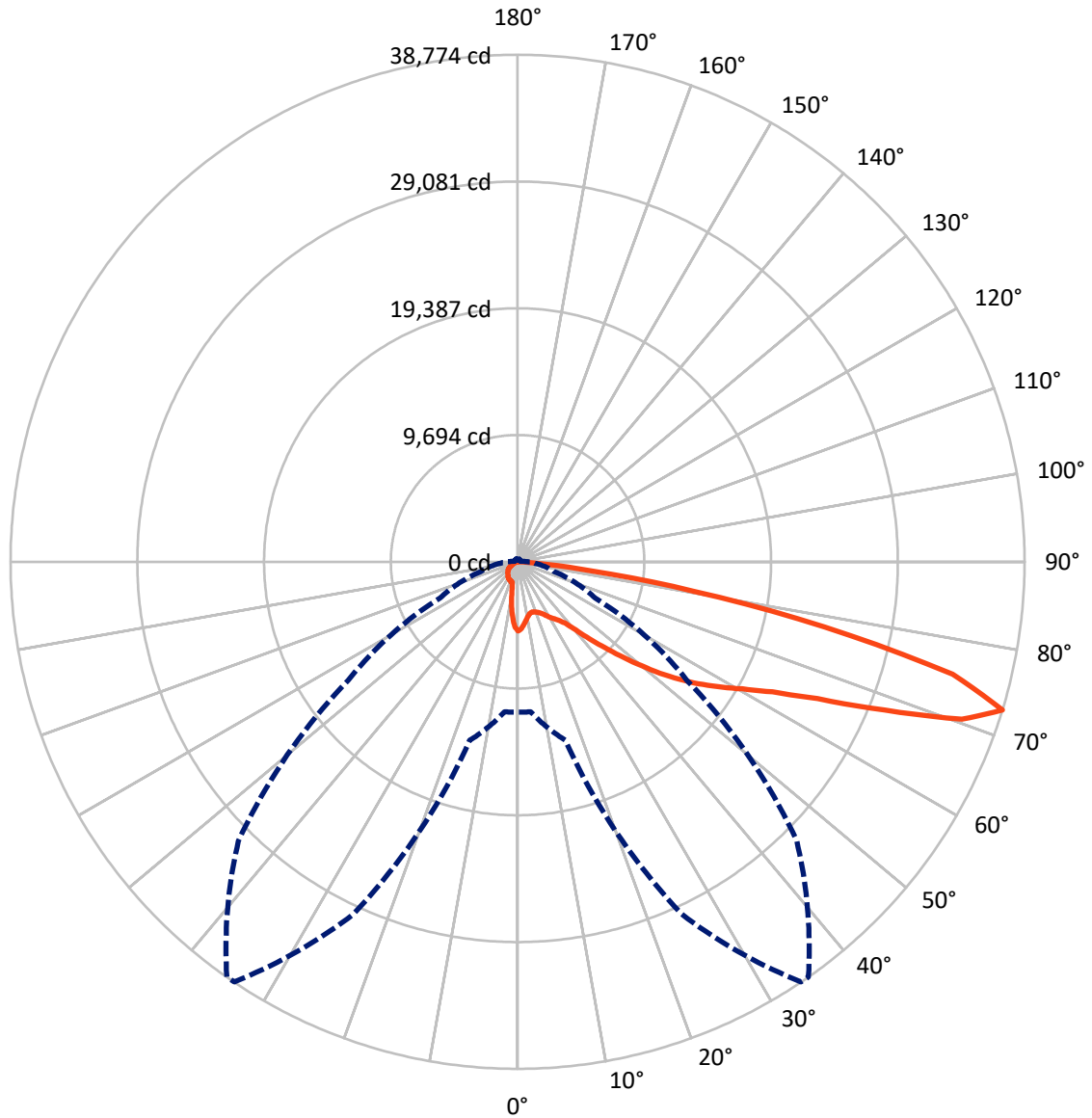
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.5 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	4114.4	0.0	4114.4
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	32443.6	0.0	32443.6
	% Fixture	88.7	0.0	88.7
Total	Lumens	36558.0	0.0	36558.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	435.4	1.2
10°-20°	1018.6	2.8
20°-30°	1654.6	4.5
30°-40°	2760.7	7.6
40°-50°	5223.3	14.3
50°-60°	8299.8	22.7
60°-70°	10267.5	28.1
70°-80°	6382.3	17.5
80°-90°	515.8	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°	36558.0	100.0
0°-180°	36558.0	100.0

Coefficient of Utilization



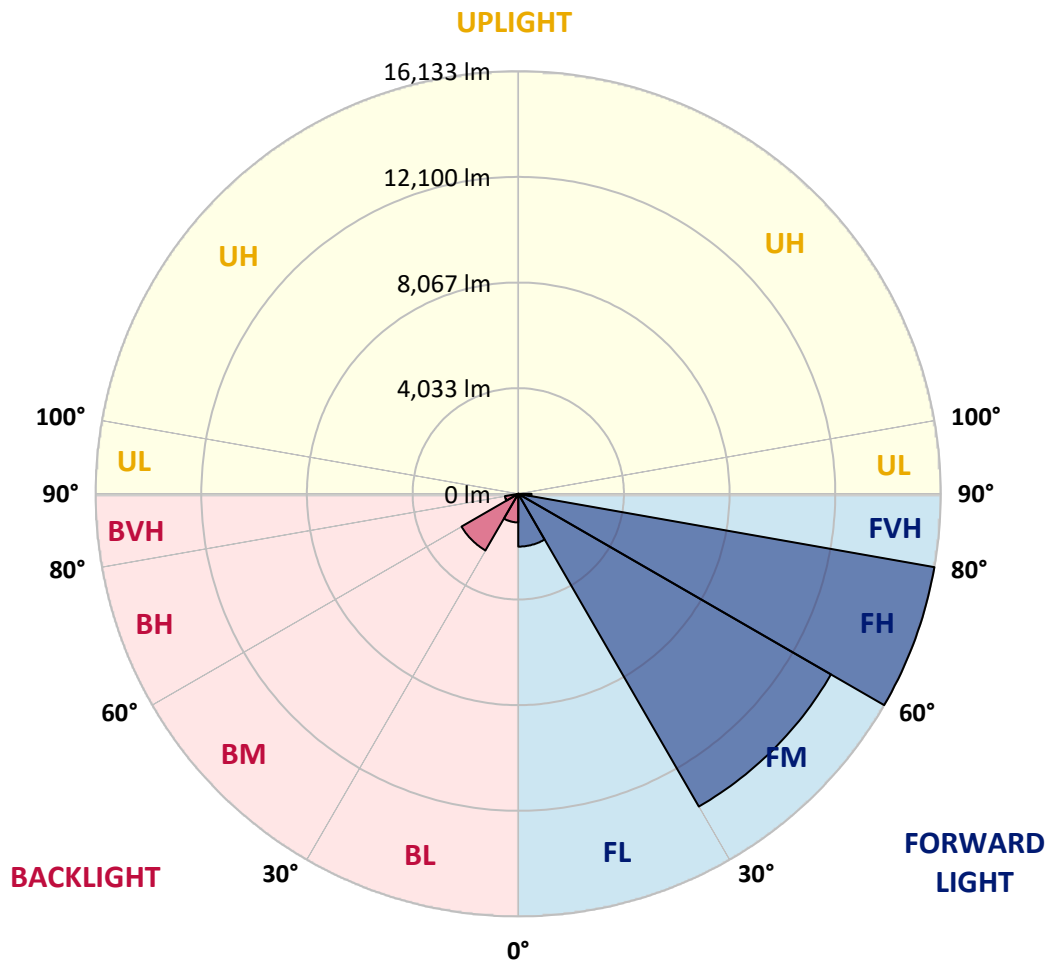
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2015.3	5.5			
FM (30°-60°)	13786.0	37.7			
FH (60°-80°)	16133.5	44.1			G5
FVH (80°-90°)	508.8	1.4			G4/750
BL (0°-30°)	1093.3	3.0	B3/2500		
BM (30°-60°)	2497.8	6.8	B2/2500		
BH (60°-80°)	516.3	1.4	B2/1000		G2/1000
BVH (80°-90°)	7.0	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°	5298.5	5298.5	5298.5	5298.5	5298.5	5298.5	5298.5	5298.5	5298.5	5298.5
2.5°	5062.8	5105.6	5113.6	5127.0	5127.0	5143.1	5169.9	5207.4	5269.0	5301.2
5°	4666.3	4698.4	4738.6	4770.8	4832.4	4840.4	4944.9	5046.7	5188.7	5295.8
7.5°	4267.2	4304.7	4358.3	4435.9	4516.3	4540.4	4698.4	4869.9	5094.9	5295.8
10°	3985.9	3988.6	4036.8	4114.5	4243.1	4272.5	4465.4	4709.2	4990.4	5263.7
12.5°	3827.9	3846.6	3868.1	3927.0	4050.2	4069.0	4275.2	4561.8	4886.0	5244.9
15°	3827.9	3841.3	3854.7	3884.1	3983.2	3999.3	4181.5	4468.1	4832.4	5252.9
17.5°	3868.1	3889.5	3878.8	3913.6	4018.1	4028.8	4189.5	4441.3	4829.7	5303.8
20°	3964.5	3980.6	3959.1	3980.6	4085.0	4106.5	4272.5	4492.2	4875.2	5392.2
22.5°	4117.2	4125.2	4074.3	4090.4	4197.5	4224.3	4417.2	4636.8	4985.1	5534.2
25°	4310.0	4326.1	4248.4	4267.2	4369.0	4401.1	4623.4	4853.8	5159.2	5729.8
27.5°	4532.4	4540.4	4473.4	4470.8	4602.0	4647.6	4872.6	5121.7	5392.2	5976.2
30°	4786.8	4811.0	4746.7	4736.0	4902.0	4939.5	5161.9	5451.2	5735.1	6345.9
32.5°	4987.8	5006.5	4969.0	4995.8	5164.5	5194.0	5512.8	5917.3	6273.5	6870.9
35°	5277.1	5287.8	5202.0	5250.3	5443.1	5518.1	5992.3	6570.9	6951.2	7529.8
37.5°	6324.4	6324.4	5960.1	5721.7	5906.5	5973.5	6648.5	7393.2	7787.0	8413.8
40°	7773.6	7749.5	7216.4	6728.9	6704.8	6836.1	7583.4	8429.9	8866.5	9474.6
42.5°	9319.2	9281.7	8555.8	8073.6	7993.3	8038.8	8662.9	9707.6	10152.3	10768.4
45°	10690.7	10680.0	10015.7	9367.4	9222.8	9367.4	10010.3	11202.3	11521.1	12169.4
47.5°	11839.9	11839.9	11355.0	10931.8	10856.8	10942.5	11834.5	12860.5	12831.0	13661.4
50°	13163.2	13152.4	12691.7	12509.6	12587.2	12707.8	13934.6	14607.0	14186.4	15126.7
52.5°	14090.0	14154.3	13996.2	13966.8	14363.2	14572.2	16066.9	16316.0	15399.9	16516.9
55°	14824.0	14899.0	15081.1	15287.4	16050.8	16324.0	18132.2	17936.6	16415.1	17722.3
57.5°	15863.3	15756.1	16037.4	16444.6	17679.5	18008.9	20133.2	19466.2	17232.1	18700.0
60°	17125.0	17141.0	17189.3	17703.6	19305.4	19728.7	22104.7	20912.7	17757.1	19300.1
62.5°	18641.1	18665.2	18764.3	19554.6	21488.6	21887.7	24204.8	22096.6	17998.2	19131.3
65°	18536.6	18638.4	19744.7	22447.6	24807.5	25201.3	26655.8	22927.0	17633.9	17588.4
67.5°	16886.6	17052.6	18903.6	25903.1	29811.3	30250.6	29618.4	23090.4	16061.5	13677.5
70°	14722.2	14781.1	17007.1	29010.4	35605.4	36050.0	32270.4	21293.0	12188.1	7629.0
72.5°	11497.0	11510.4	14122.1	29731.0	38750.2	38774.3	30189.0	15807.0	6554.8	2930.5
75°	8212.9	8132.6	9458.5	24111.0	34091.9	34365.1	22632.4	7414.7	2504.6	1384.9
77.5°	4403.8	4492.2	5352.1	14298.9	23551.2	24017.3	12348.8	2137.6	1275.1	942.9
80°	1360.8	1435.8	2193.9	6546.8	13340.0	13621.2	4577.9	950.9	889.3	672.4
82.5°	428.6	444.7	1023.3	2751.0	5536.9	5665.5	1326.0	538.4	608.1	444.7
85°	123.2	125.9	455.4	1025.9	1368.8	1395.6	372.3	208.9	348.2	275.9
87.5°	13.4	42.9	171.4	171.4	120.5	117.9	40.2	45.5	99.1	34.8
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°
5298.5	0°	5298.5	5298.5	5298.5	5298.5	5298.5	5298.5	5298.5	5298.5	5298.5	5298.5
5322.6	2.5°	5309.2	5311.9	5277.1	5218.1	5153.8	5100.3	5033.3	4979.7	4942.2	4931.5
5370.8	5°	5346.7	5327.9	5228.8	5049.4	4835.1	4650.2	4444.0	4280.6	4173.4	4127.9
5421.7	7.5°	5402.9	5349.4	5132.4	4778.8	4369.0	4004.7	3635.0	3348.4	3166.2	3075.2
5469.9	10°	5451.2	5344.0	4971.7	4387.7	3760.9	3209.1	2710.9	2365.3	2172.4	2081.4
5526.2	12.5°	5496.7	5341.3	4762.7	3924.3	3075.2	2400.1	1936.7	1765.3	1711.7	1692.9
5617.2	15°	5582.4	5349.4	4500.2	3393.9	2392.1	1813.5	1644.7	1642.0	1652.8	1647.4
5756.5	17.5°	5700.3	5357.4	4202.9	2831.4	1845.6	1599.2	1591.2	1615.3	1631.3	1623.3
5930.7	20°	5853.0	5389.6	3886.8	2274.2	1585.8	1545.6	1564.4	1585.8	1599.2	1585.8
6163.7	22.5°	6067.3	5445.8	3541.2	1826.9	1502.8	1513.5	1529.5	1553.6	1567.0	1548.3
6461.0	25°	6329.8	5534.2	3201.1	1588.5	1462.6	1476.0	1500.1	1526.9	1542.9	1524.2
6836.1	27.5°	6670.0	5676.2	2887.6	1534.9	1422.4	1430.4	1465.3	1505.4	1526.9	1502.8
7369.1	30°	7162.9	5909.2	2617.1	1559.0	1398.3	1379.5	1427.8	1484.0	1508.1	1486.7
8095.0	32.5°	7816.5	6238.7	2451.0	1596.5	1387.6	1320.6	1366.1	1438.5	1478.6	1465.3
9043.3	35°	8673.6	6739.6	2386.7	1639.4	1379.5	1259.0	1291.1	1368.8	1438.5	1451.9
10238.0	37.5°	9713.0	7436.1	2405.5	1658.1	1355.4	1208.1	1224.2	1291.1	1382.2	1425.1
11582.7	40°	10894.3	8247.7	2512.6	1639.4	1328.6	1165.2	1167.9	1218.8	1299.2	1363.5
13029.2	42.5°	12113.1	9196.0	2710.9	1569.7	1304.5	1127.7	1119.7	1154.5	1208.1	1253.6
14473.0	45°	13273.0	10171.0	2906.4	1473.3	1275.1	1090.2	1071.5	1084.9	1095.6	1114.3
15879.4	47.5°	14285.5	10856.8	2850.1	1384.9	1234.9	1047.4	1015.2	1009.9	977.7	975.0
17135.7	50°	14984.7	11006.8	2531.4	1296.5	1176.0	999.2	948.3	916.1	859.9	833.1
18075.9	52.5°	15207.0	10414.8	2068.0	1208.1	1079.5	934.9	862.5	811.6	742.0	717.9
18617.0	55°	14912.4	9254.9	1652.8	1100.9	945.6	849.1	768.8	701.8	645.6	616.1
18675.9	57.5°	14191.8	7779.0	1307.2	975.0	803.6	752.7	672.4	605.4	557.2	527.7
18022.3	60°	12997.1	6177.1	1034.0	825.0	685.7	648.2	565.2	522.3	479.5	444.7
16334.7	62.5°	11183.6	4409.1	811.6	653.6	573.2	530.4	482.2	450.0	399.1	350.9
13299.8	65°	8727.2	2697.5	626.8	479.5	460.7	439.3	409.8	380.4	318.8	270.5
8676.3	67.5°	5504.7	1277.7	447.3	361.6	364.3	353.6	340.2	316.1	270.5	227.7
3886.8	70°	2424.2	618.8	294.7	275.9	270.5	270.5	281.3	273.2	230.4	190.2
1350.1	72.5°	825.0	332.2	219.7	208.9	195.5	192.9	235.7	227.7	184.8	147.3
672.4	75°	431.3	222.3	160.7	150.0	117.9	142.0	187.5	176.8	131.3	96.4
444.7	77.5°	281.3	158.0	109.8	96.4	67.0	93.8	139.3	123.2	77.7	48.2
292.0	80°	176.8	104.5	64.3	45.5	32.1	50.9	75.0	53.6	29.5	10.7
171.4	82.5°	93.8	53.6	24.1	16.1	13.4	16.1	18.8	13.4	5.4	0.0
88.4	85°	37.5	18.8	8.0	5.4	2.7	0.0	5.4	2.7	0.0	0.0
16.1	87.5°	13.4	2.7	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°
5298.5
4950.2
4144.0
3088.5
2084.0
1687.6
1644.7
1620.6
1583.1
1545.6
1521.5
1502.8
1484.0
1465.3
1451.9
1435.8
1384.9
1272.4
1125.1
972.4
835.8
715.2
616.1
522.3
436.6
342.9
262.5
222.3
182.2
139.3
88.4
42.9
8.0
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