

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: P850055

Luminaire Tested: **GLAN-SB7B-850-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850055
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB7B-850-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 80 CRI, 5000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25109 lumens
Efficiency: N/A
Efficacy: 97.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

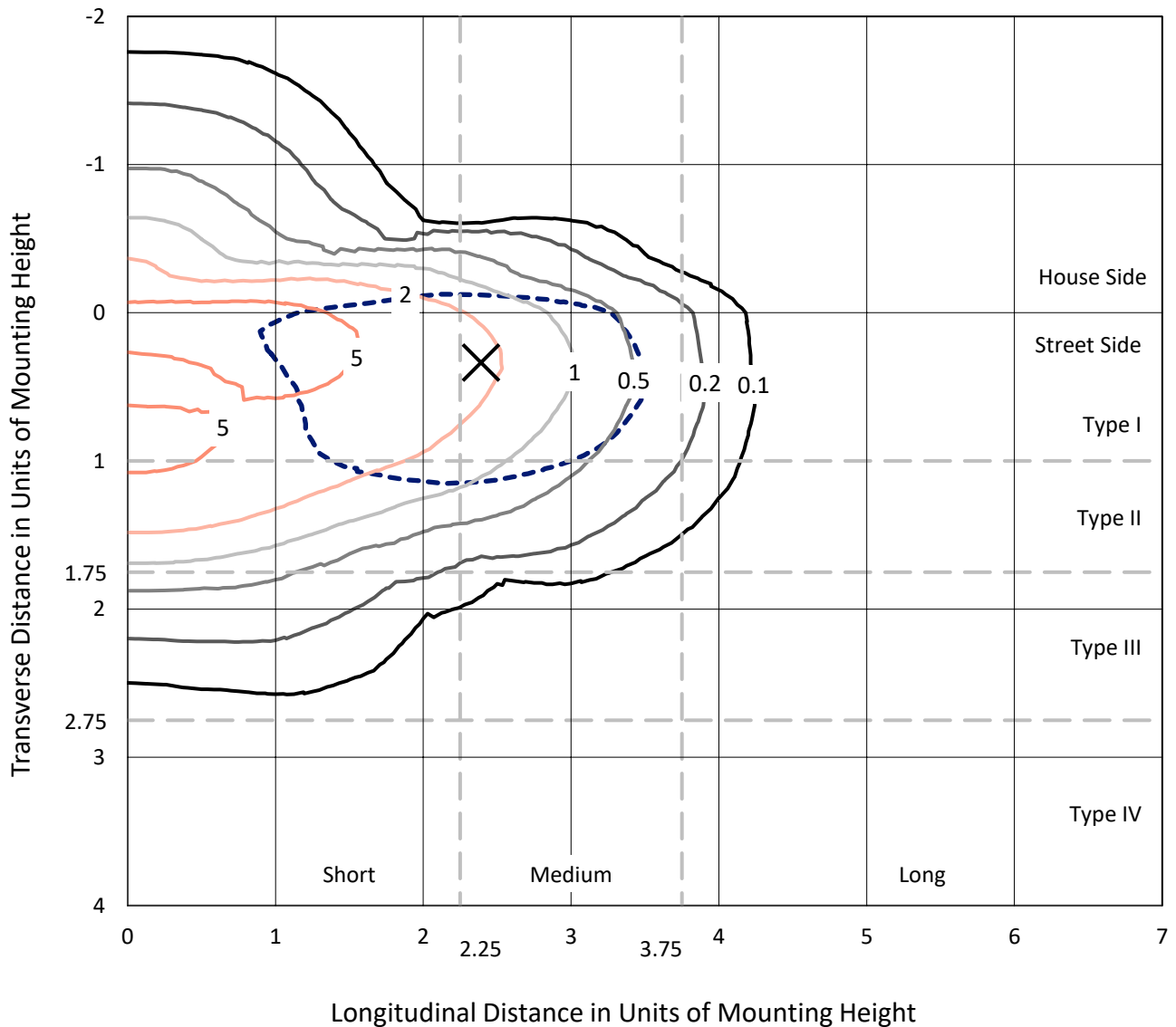
Input Watts (W): 256.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P850055
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Iso-Footcandle Lines of Horizontal Illumination

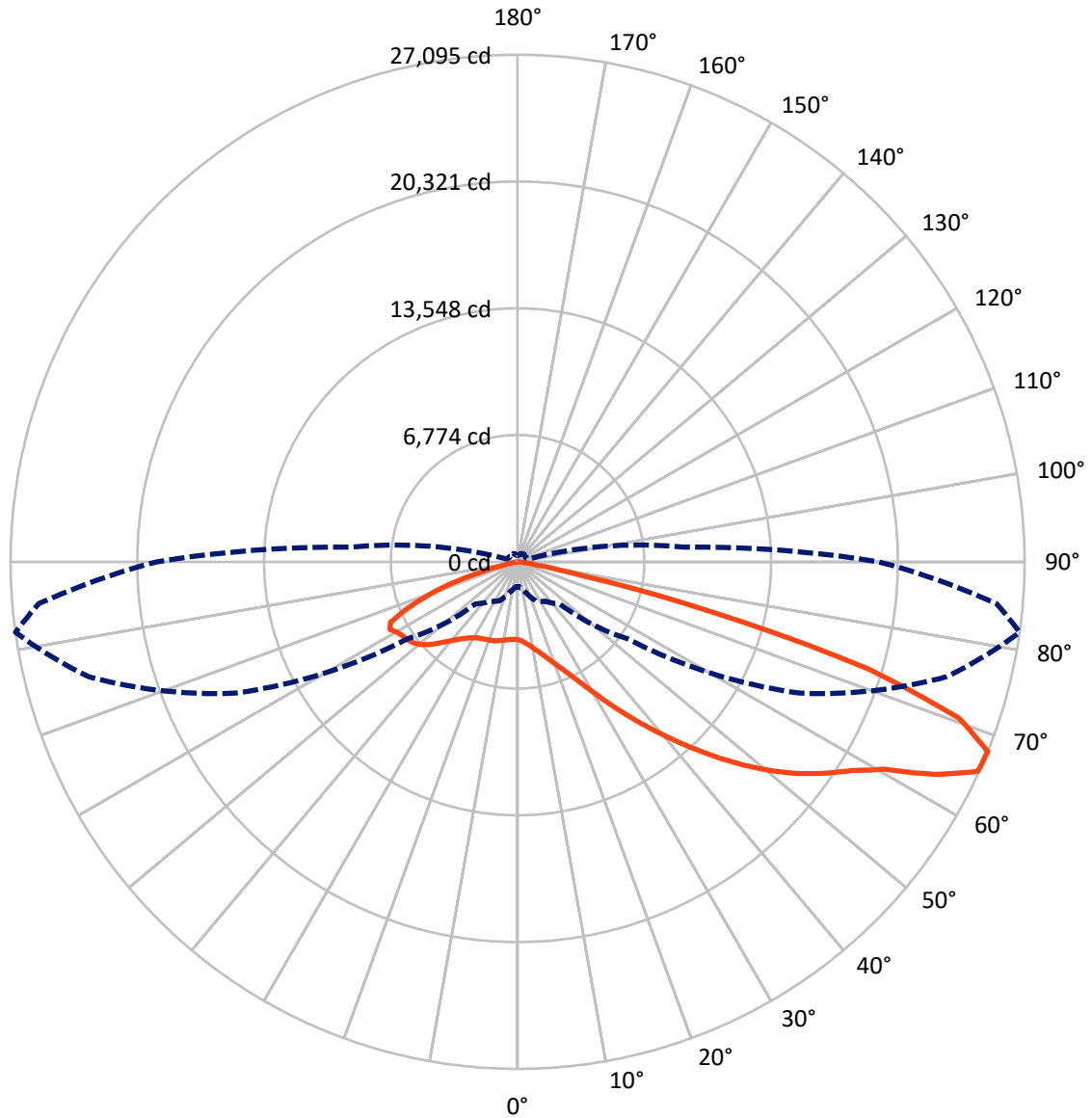
× Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P850055
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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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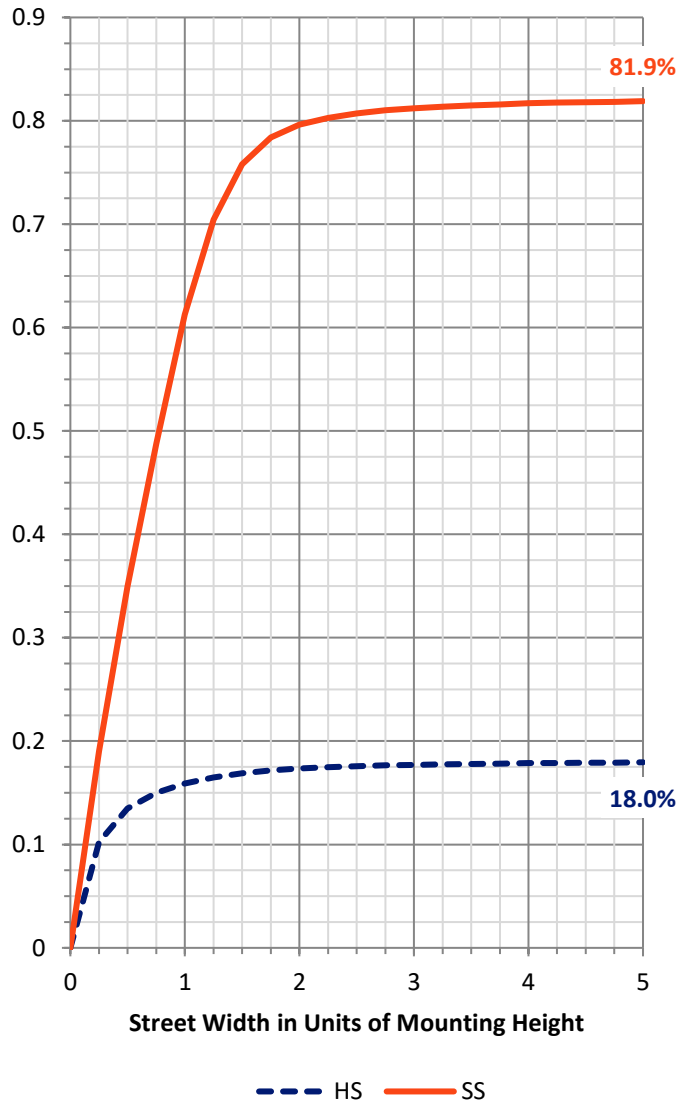
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4548.3	0.0	4548.3
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	20560.7	0.0	20560.7
	% Fixture	81.9	0.0	81.9
Total	Lumens	25109.0	0.0	25109.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	370.6	1.5
10°-20°	963.0	3.8
20°-30°	1542.5	6.1
30°-40°	2727.6	10.9
40°-50°	4779.0	19.0
50°-60°	6373.8	25.4
60°-70°	5933.7	23.6
70°-80°	2277.4	9.1
80°-90°	141.4	0.6
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°	25109.0	100.0
0°-180°	25109.0	100.0

Coefficient of Utilization

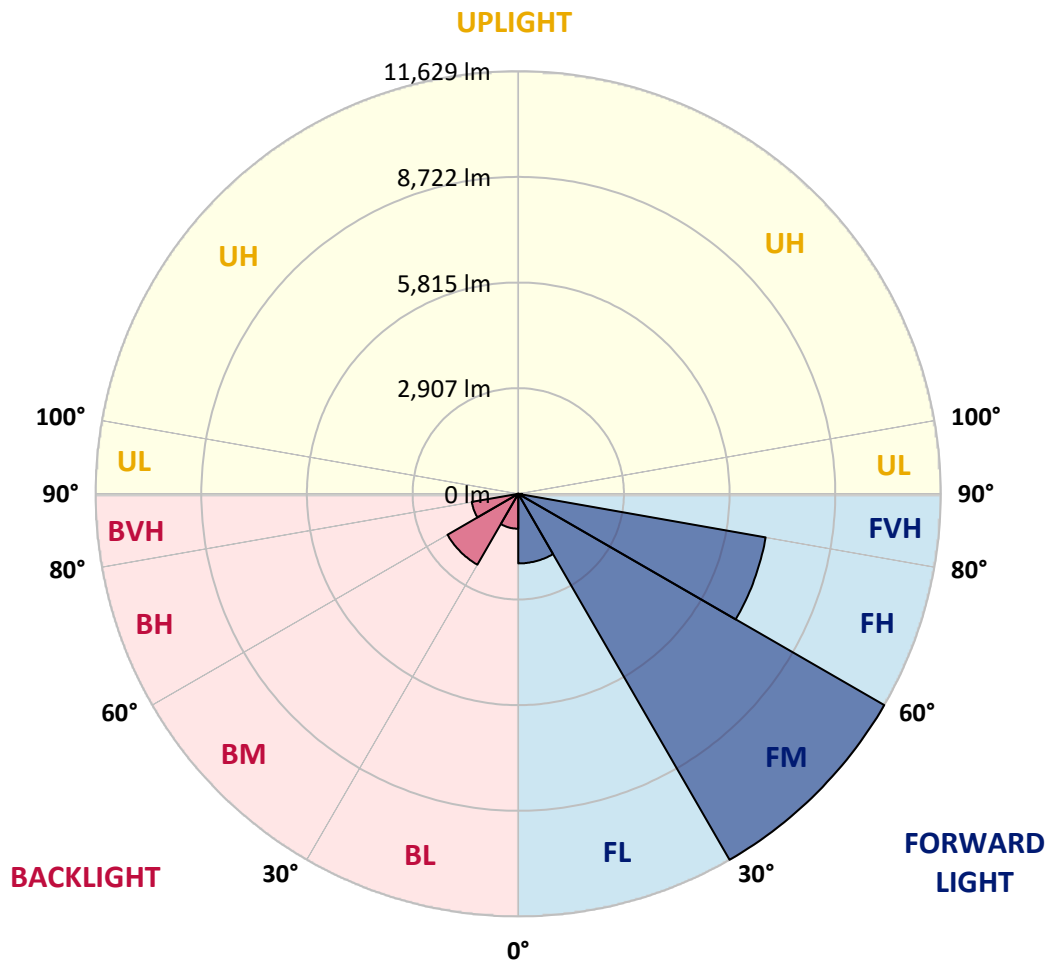


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1915.5	7.6			
FM (30°-60°)	11629.5	46.3			
FH (60°-80°)	6912.9	27.5			G3/7500
FVH (80°-90°)	102.8	0.4			G2/225
BL (0°-30°)	960.6	3.8	B2/1000		
BM (30°-60°)	2250.9	9.0	B2/2500		
BH (60°-80°)	1298.2	5.2	B3/2500		G3/2500
BVH (80°-90°)	38.6	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	4159.7	4159.7	4159.7	4159.7	4159.7	4159.7	4159.7	4159.7	4159.7	4159.7
2.5°	4396.5	4421.8	4407.4	4400.1	4387.5	4369.4	4355.0	4309.8	4262.8	4232.0
5°	4485.1	4510.4	4508.6	4515.8	4524.9	4530.3	4526.7	4476.1	4409.2	4356.8
7.5°	4409.2	4438.1	4461.6	4497.8	4561.0	4627.9	4660.5	4649.6	4580.9	4508.6
10°	4194.1	4224.8	4280.8	4365.8	4499.6	4644.2	4765.3	4821.4	4778.0	4698.4
12.5°	3800.0	3830.7	3941.0	4125.4	4349.5	4600.8	4832.2	4982.3	4993.1	4913.6
15°	3357.1	3387.8	3505.3	3736.7	4078.4	4481.5	4868.4	5152.2	5248.0	5179.3
17.5°	3082.3	3109.4	3198.0	3384.2	3740.3	4242.9	4855.7	5333.0	5551.7	5497.5
20°	2999.1	3022.6	3064.2	3194.4	3490.8	3995.2	4772.6	5502.9	5878.9	5848.2
22.5°	3087.7	3109.4	3122.0	3179.9	3366.1	3832.5	4667.7	5676.4	6258.5	6262.2
25°	3292.0	3313.7	3299.2	3335.4	3416.7	3781.9	4627.9	5880.7	6735.8	6775.6
27.5°	3628.2	3630.0	3595.7	3593.9	3606.5	3857.8	4669.5	6099.5	7337.8	7411.9
30°	4302.5	4275.4	4143.4	4000.6	3935.5	4085.6	4785.2	6358.0	8048.3	8180.2
32.5°	5342.0	5302.2	5060.0	4718.3	4374.8	4452.6	4993.1	6652.6	8822.0	9060.6
35°	6470.1	6459.2	6206.1	5698.1	5098.0	4975.0	5331.2	7039.5	9666.2	10045.9
37.5°	7518.6	7513.2	7368.5	6770.2	6039.8	5703.6	5873.5	7545.7	10570.1	11119.7
40°	8476.7	8493.0	8348.3	7813.2	7077.5	6638.2	6611.1	8171.2	11575.2	12289.3
42.5°	9304.7	9322.7	9176.3	8780.4	8102.5	7672.2	7516.8	8937.7	12556.9	13545.7
45°	9866.9	9979.0	9957.3	9640.9	9154.6	8708.1	8605.1	9899.4	13675.9	14878.1
47.5°	10026.0	10129.0	10291.7	10335.1	10038.6	9599.3	9722.3	11058.2	14807.6	16212.2
50°	9633.7	9729.5	10067.6	10517.7	10723.8	10588.2	10808.7	12300.2	15966.4	17542.7
52.5°	8860.0	8957.6	9384.2	10096.5	10937.1	11363.7	11898.8	13524.0	17089.0	18802.8
55°	7740.9	7844.0	8391.7	9198.0	10530.3	11683.7	12808.2	14746.1	18117.6	19936.2
57.5°	6218.8	6294.7	6864.2	7992.2	9507.1	11365.5	13478.8	16080.2	19086.6	21049.8
60°	4053.1	4119.9	4781.6	6039.8	7811.4	10302.6	13612.6	17568.0	20373.7	22497.9
62.5°	2695.4	2740.6	3132.9	4056.7	5501.1	8261.6	12829.8	18755.8	22261.1	25017.9
65°	1849.4	1894.6	2286.8	2930.4	3554.1	5464.9	10579.2	18598.5	23971.2	27019.1
67.5°	1319.7	1357.6	1690.3	2297.7	2572.5	3174.5	7171.5	16588.2	23725.4	27095.1
70°	945.5	967.2	1241.9	1789.7	2044.6	1907.2	3988.0	12687.0	20773.2	25019.7
72.5°	661.6	668.9	862.3	1363.1	1646.9	1392.0	1898.2	8458.6	15711.5	19638.0
75°	448.3	457.4	580.3	999.7	1321.5	1063.0	1005.1	4535.7	9223.3	10870.2
77.5°	274.8	278.4	374.2	683.3	988.9	809.9	647.2	1921.7	3568.6	3503.5
80°	155.5	155.5	238.6	424.8	674.3	522.4	453.8	817.1	1129.9	992.5
82.5°	86.8	88.6	173.5	263.9	446.5	309.1	249.5	377.8	488.1	432.1
85°	36.2	39.8	106.7	124.7	213.3	153.7	101.2	159.1	180.8	160.9
87.5°	3.6	5.4	32.5	23.5	25.3	30.7	14.5	30.7	25.3	25.3
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°
4159.7	0°	4159.7	4159.7	4159.7	4159.7	4159.7	4159.7	4159.7	4159.7	4159.7	4159.7
4221.2	2.5°	4186.8	4159.7	4091.0	4011.5	3906.6	3856.0	3787.3	3740.3	3700.5	3704.1
4326.0	5°	4268.2	4199.5	4045.8	3854.2	3615.6	3445.6	3264.9	3140.1	3038.9	3017.2
4470.7	7.5°	4380.3	4271.8	4002.4	3657.1	3254.0	2948.5	2675.5	2500.2	2375.4	2335.7
4646.0	10°	4524.9	4367.6	3946.4	3409.5	2829.2	2440.5	2147.6	2010.3	1925.3	1896.4
4852.1	12.5°	4693.0	4477.9	3872.3	3107.6	2391.7	2017.5	1831.3	1762.6	1735.5	1726.4
5105.2	15°	4904.5	4615.3	3760.2	2749.6	2021.1	1759.0	1679.4	1670.4	1674.0	1670.4
5408.9	17.5°	5155.8	4765.3	3577.6	2380.9	1771.6	1627.0	1598.1	1605.3	1614.4	1612.5
5748.8	20°	5430.6	4913.6	3344.4	2053.6	1601.7	1533.0	1516.7	1524.0	1531.2	1527.6
6141.0	22.5°	5743.3	5072.6	3085.9	1798.7	1487.8	1446.2	1428.1	1430.0	1430.0	1422.7
6638.2	25°	6117.5	5248.0	2814.7	1618.0	1401.0	1368.5	1346.8	1339.6	1328.7	1307.0
7242.0	27.5°	6564.1	5434.2	2554.4	1491.4	1332.3	1301.6	1276.3	1258.2	1231.1	1194.9
7966.9	30°	7066.6	5660.2	2333.8	1411.9	1278.1	1247.4	1218.4	1191.3	1151.6	1106.4
8800.3	32.5°	7657.8	5902.4	2173.0	1359.5	1229.3	1196.8	1162.4	1129.9	1086.5	1041.3
9736.7	35°	8362.8	6195.3	2079.0	1323.3	1191.3	1147.9	1110.0	1073.8	1041.3	1001.5
10754.5	37.5°	9127.5	6506.2	2050.0	1305.2	1166.0	1099.1	1055.7	1030.4	1026.8	1003.3
11855.4	40°	9964.5	6875.0	2071.7	1294.4	1138.9	1052.1	1005.1	999.7	1008.7	967.2
13032.3	42.5°	10850.3	7312.5	2107.9	1281.7	1100.9	1005.1	959.9	959.9	952.7	894.9
14276.1	45°	11808.4	7816.9	2144.0	1251.0	1055.7	958.1	923.8	911.1	880.4	824.3
15527.1	47.5°	12773.8	8330.3	2171.1	1194.9	1001.5	918.4	887.6	858.7	813.5	762.9
16754.5	50°	13690.4	8791.3	2142.2	1111.8	940.0	880.4	847.9	808.1	759.3	724.9
17916.9	52.5°	14509.3	9190.8	2019.3	1014.2	875.0	840.6	811.7	770.1	730.3	694.2
18965.5	55°	15221.5	9514.4	1802.4	922.0	817.1	806.3	777.3	724.9	670.7	640.0
20004.9	57.5°	15904.9	9760.2	1531.2	846.0	764.7	768.3	724.9	677.9	627.3	594.8
21406.0	60°	16814.2	10089.2	1256.4	775.5	708.7	719.5	672.5	638.1	574.9	533.3
23808.5	62.5°	18267.7	10600.8	997.9	688.8	643.6	647.2	627.3	585.7	509.8	461.0
25589.2	65°	19421.0	10412.8	786.4	594.8	569.5	574.9	574.9	529.7	448.3	392.3
25685.0	67.5°	19290.9	8916.0	627.3	502.6	498.9	502.6	515.2	477.3	397.7	352.5
23729.0	70°	17770.5	7091.9	502.6	417.6	433.9	424.8	461.0	435.7	357.9	312.7
18396.0	72.5°	14500.2	5108.8	383.3	345.3	332.6	347.1	415.8	392.3	298.3	247.7
9744.0	75°	8473.1	2726.1	285.6	273.0	240.4	289.2	368.8	334.4	227.8	182.6
2986.5	77.5°	2758.7	950.9	209.7	200.7	179.0	233.2	314.6	282.0	186.2	144.6
875.0	80°	739.4	287.4	142.8	132.0	115.7	173.5	249.5	224.2	133.8	94.0
376.0	82.5°	296.5	121.1	83.2	74.1	63.3	119.3	197.0	180.8	99.4	59.7
117.5	85°	95.8	39.8	30.7	23.5	28.9	74.1	117.5	122.9	70.5	30.7
18.1	87.5°	12.7	5.4	5.4	7.2	5.4	12.7	36.2	34.3	19.9	3.6
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°
4159.7
3668.0
2968.4
2295.9
1874.7
1721.0
1668.6
1608.9
1525.8
1419.1
1303.4
1191.3
1102.7
1043.1
997.9
1001.5
969.0
894.9
822.5
761.1
719.5
690.6
636.3
591.1
527.9
457.4
386.9
345.3
307.3
242.2
177.2
139.2
92.2
59.7
23.5
0.0
0.0

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