

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: P850626

Luminaire Tested: **GLAN-SB8B-722-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850626
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-SB8B-722-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 35280 lumens
Efficiency: N/A
Efficacy: 120.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B4 - U0 - G4

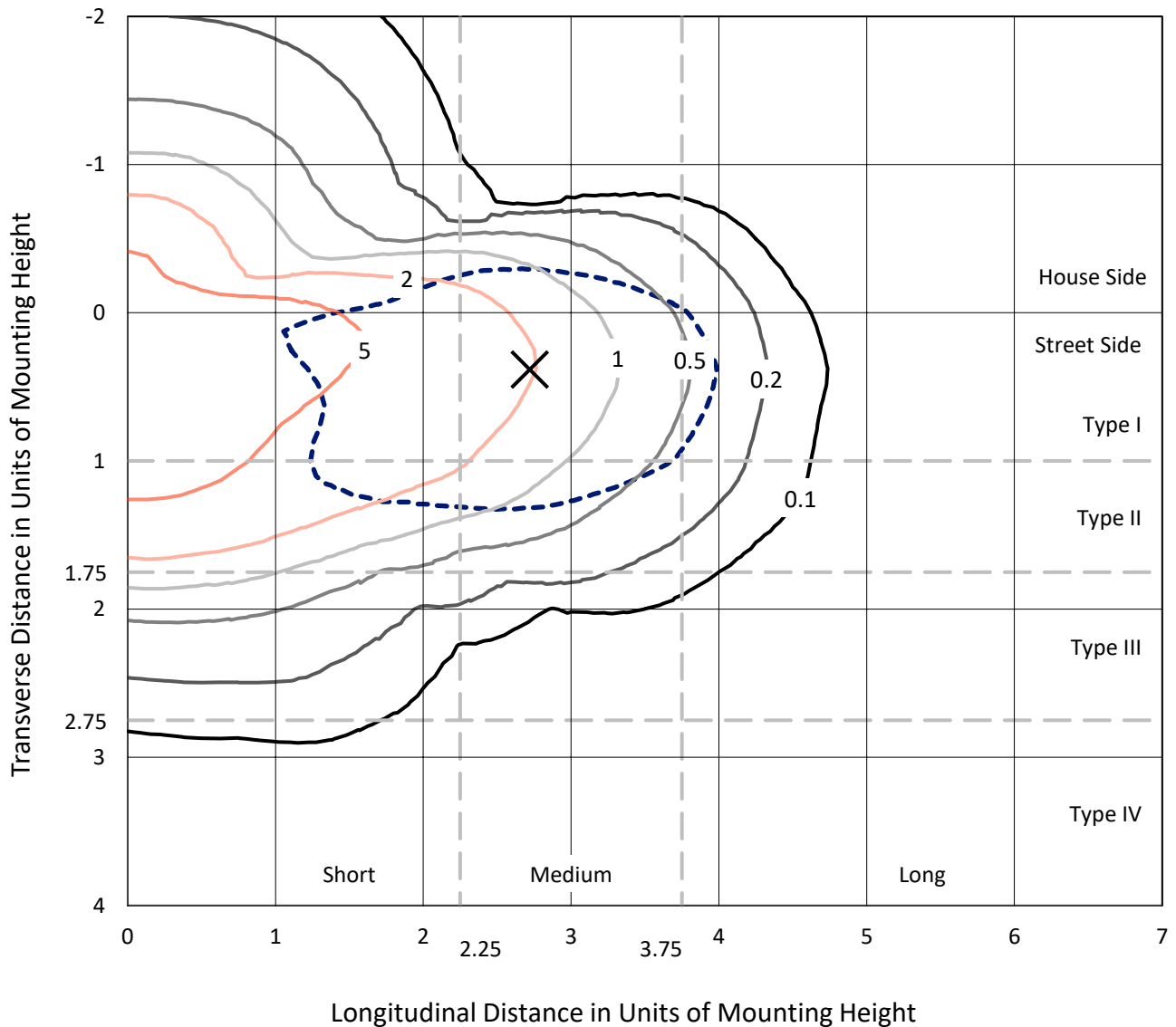
Input Watts (W): 292.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

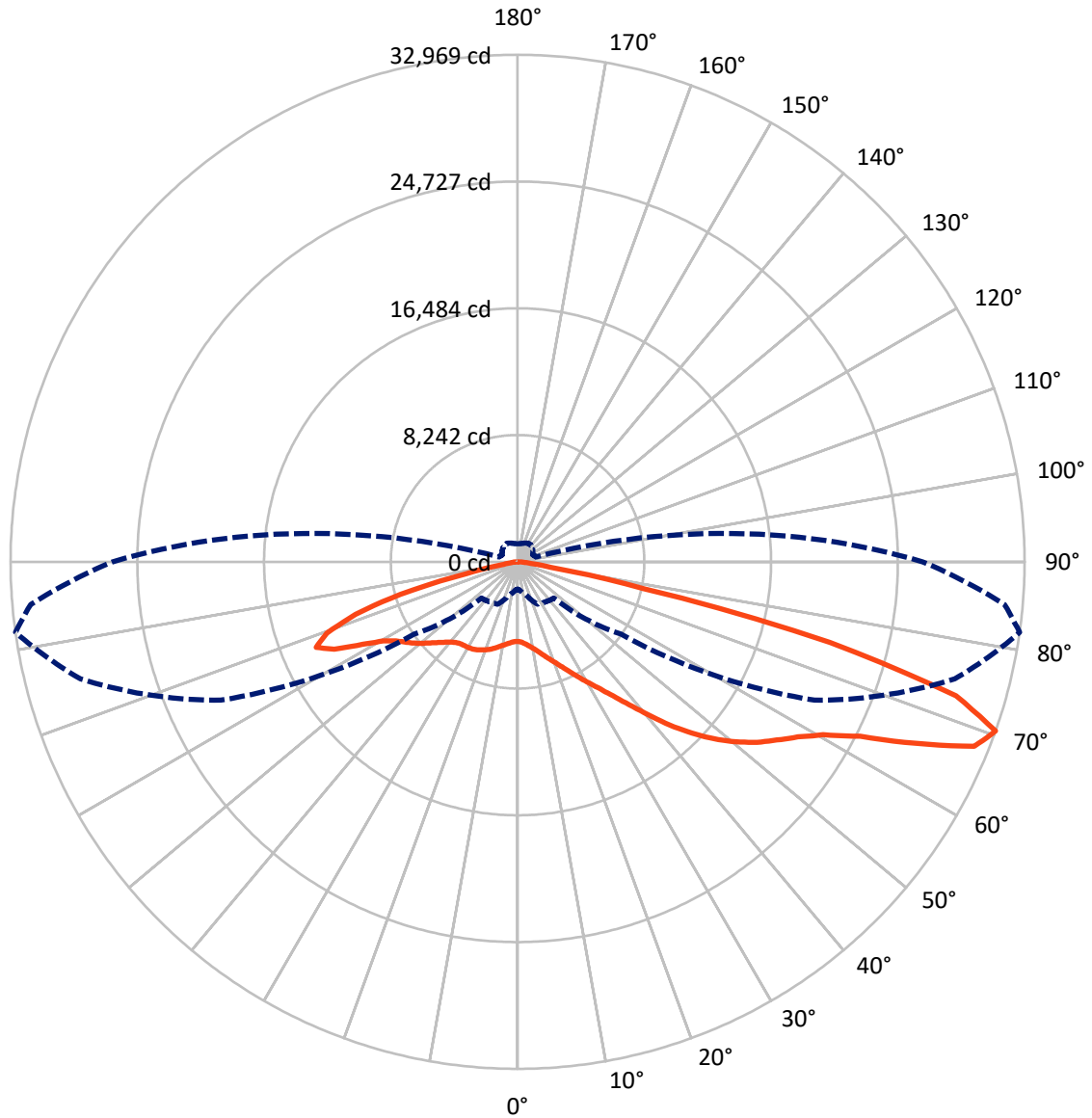
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.4 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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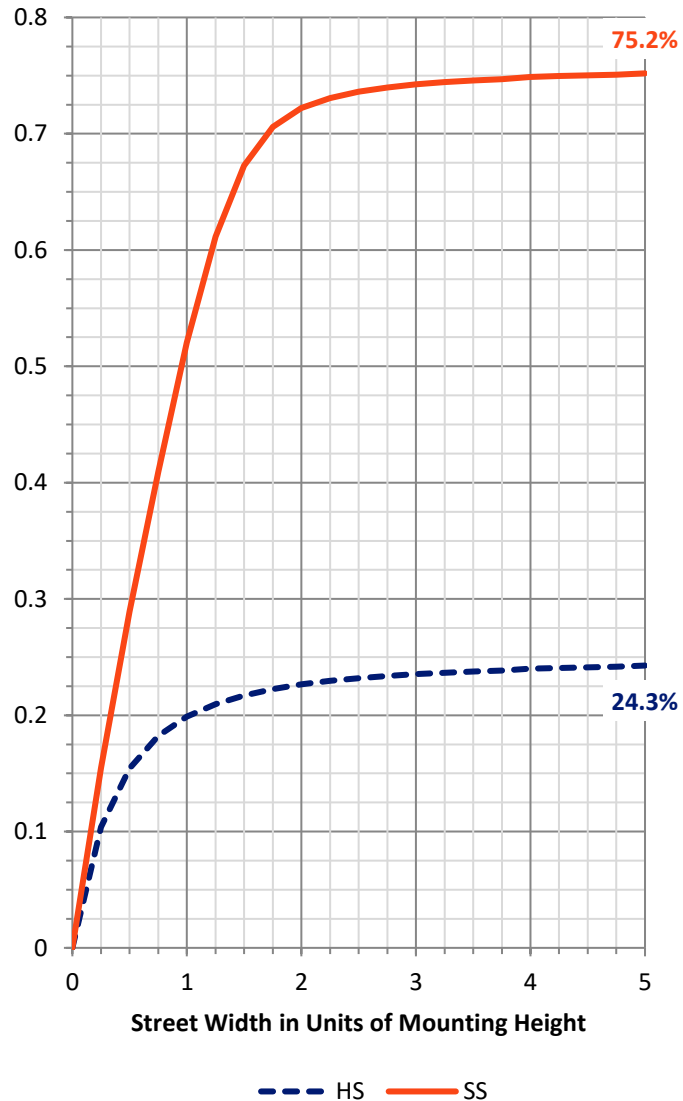
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8697.4	0.0	8697.4
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	26582.6	0.0	26582.6
	% Fixture	75.3	0.0	75.3
Total	Lumens	35280.0	0.0	35280.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	488.4	1.4
10°-20°	1403.1	4.0
20°-30°	2347.3	6.7
30°-40°	3667.1	10.4
40°-50°	5840.2	16.6
50°-60°	8127.4	23.0
60°-70°	8501.6	24.1
70°-80°	4443.4	12.6
80°-90°	461.4	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°	35280.0	100.0
0°-180°	35280.0	100.0

Coefficient of Utilization

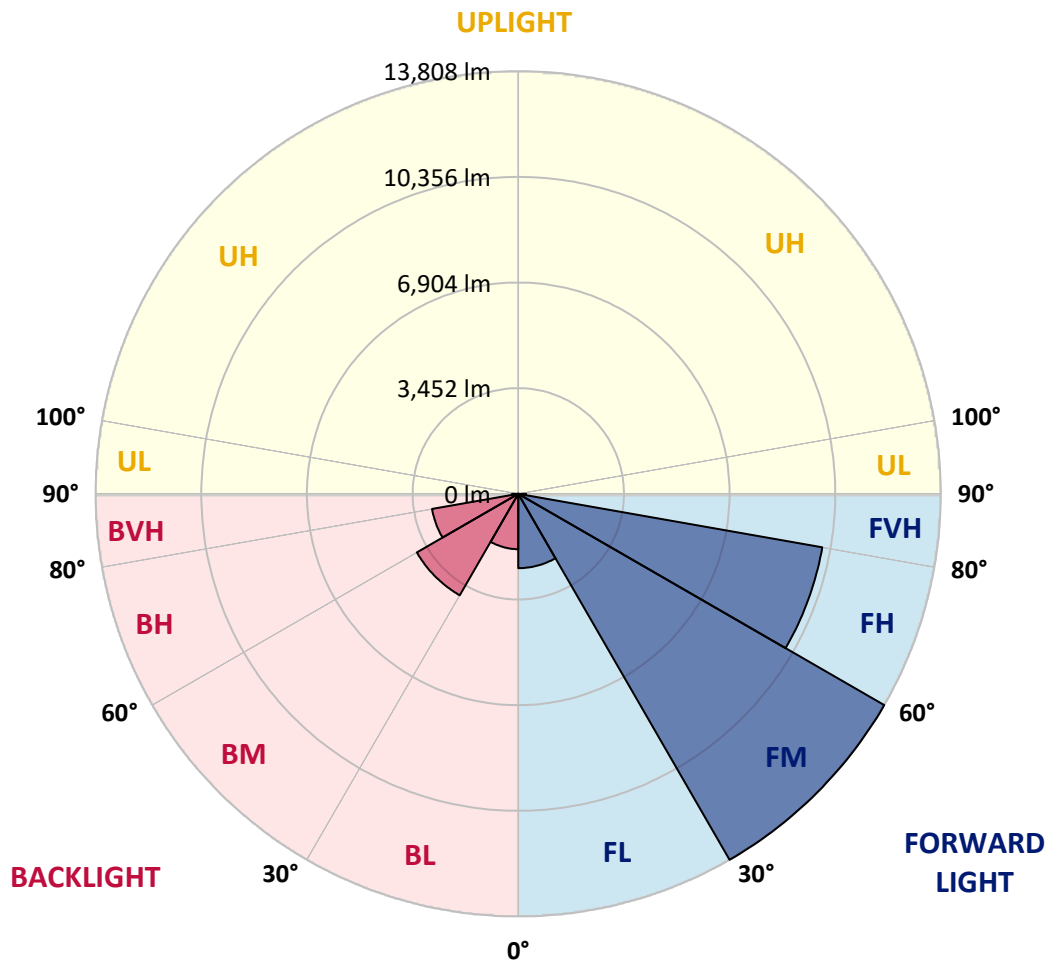


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2429.4	6.9			
FM (30°-60°)	13808.2	39.1			
FH (60°-80°)	10086.7	28.6			G4/12000
FVH (80°-90°)	258.3	0.7			G3/500
BL (0°-30°)	1809.4	5.1	B3/2500		
BM (30°-60°)	3826.5	10.8	B3/5000		
BH (60°-80°)	2858.4	8.1	B4/5000		G4/5000
BVH (80°-90°)	203.1	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	5172.5	5172.5	5172.5	5172.5	5172.5	5172.5	5172.5	5172.5	5172.5	5172.5
2.5°	5296.0	5326.0	5316.6	5307.3	5307.3	5294.2	5292.3	5273.6	5258.6	5234.3
5°	5363.4	5395.3	5391.5	5399.0	5423.3	5429.0	5434.6	5423.3	5393.4	5363.4
7.5°	5303.5	5339.1	5350.3	5395.3	5470.1	5537.5	5588.1	5608.7	5580.6	5537.5
10°	5101.4	5140.7	5180.0	5286.7	5419.6	5578.7	5713.5	5794.0	5788.4	5747.2
12.5°	4691.4	4732.6	4816.8	5024.6	5268.0	5548.8	5799.6	5968.1	6026.1	5996.2
15°	4363.8	4399.3	4463.0	4676.4	4992.8	5419.6	5831.5	6159.1	6307.0	6290.1
17.5°	4354.4	4369.4	4408.7	4509.8	4753.1	5217.4	5797.8	6346.3	6628.9	6627.1
20°	4519.1	4524.8	4547.2	4567.8	4706.3	5063.9	5711.6	6501.6	6990.3	6990.3
22.5°	4747.5	4743.8	4766.3	4747.5	4814.9	5050.8	5657.4	6638.3	7392.7	7422.7
25°	5090.1	5071.4	5065.8	5022.7	5035.8	5172.5	5717.3	6793.7	7870.1	7931.9
27.5°	5546.9	5516.9	5496.4	5397.1	5363.4	5423.3	5900.7	6980.9	8401.8	8508.5
30°	6142.2	6087.9	6058.0	5885.7	5764.1	5773.4	6177.8	7229.9	8957.8	9130.0
32.5°	6954.7	6870.4	6789.9	6507.3	6284.5	6211.5	6535.3	7574.3	9560.6	9835.8
35°	7864.5	7797.1	7711.0	7274.8	6932.2	6763.7	7018.3	8055.5	10266.4	10702.5
37.5°	8740.6	8682.6	8723.8	8136.0	7694.1	7448.9	7651.1	8701.3	11136.9	11780.8
40°	9646.7	9601.8	9607.4	9045.8	8531.0	8255.8	8418.6	9511.9	12134.7	13063.2
42.5°	10631.4	10597.7	10485.4	9987.4	9409.0	9152.5	9302.2	10447.9	13205.5	14523.4
45°	11734.0	11713.5	11608.6	11037.6	10374.9	10086.6	10288.8	11481.3	14281.9	15897.5
47.5°	12686.9	12703.8	12690.7	12209.5	11522.5	11099.4	11340.9	12559.6	15283.5	17189.2
50°	13145.6	13233.6	13362.7	13213.0	12786.1	12355.6	12402.4	13600.5	16238.2	18400.4
52.5°	12906.0	13072.6	13424.5	13664.1	13828.9	13739.0	13613.6	14633.9	17136.8	19493.7
55°	12013.0	12247.0	12831.1	13409.5	14250.1	14903.4	15068.2	15779.6	18012.9	20455.9
57.5°	10386.2	10766.2	11290.4	12460.4	13875.7	15466.9	16764.3	17368.9	18941.5	21483.7
60°	7596.8	8106.0	8757.5	10498.5	12565.2	15165.5	18207.6	19810.1	20261.3	22814.7
62.5°	4861.7	5176.2	5775.3	7415.2	9790.8	13621.1	18649.4	22861.5	22498.4	24997.6
65°	3328.5	3530.7	4079.2	5000.3	6329.4	10139.1	17466.3	25149.2	26051.5	28457.1
67.5°	2418.7	2572.2	3040.2	3847.1	4124.1	5999.9	13553.7	25044.4	29505.5	32021.5
70°	1763.5	1872.1	2265.2	3040.2	3173.1	3337.9	8210.8	21289.0	29430.6	32968.8
72.5°	1306.7	1381.6	1645.5	2358.8	2568.5	2254.0	4064.2	15472.5	25289.6	29820.0
75°	945.4	1001.5	1196.2	1804.7	2055.5	1716.7	2027.4	9042.0	17640.4	20976.4
77.5°	722.6	765.7	893.0	1321.7	1645.5	1288.0	1258.0	4159.7	8364.3	8405.5
80°	580.3	608.4	677.7	930.4	1261.8	964.1	820.0	1679.2	2643.3	2237.1
82.5°	426.8	473.6	572.8	653.3	902.3	664.6	499.8	848.0	1005.3	864.9
85°	243.4	275.2	346.3	468.0	576.6	406.2	286.4	376.3	468.0	383.8
87.5°	86.1	112.3	121.7	183.5	250.9	168.5	110.5	108.6	153.5	114.2
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°
5172.5	0°	5172.5	5172.5	5172.5	5172.5	5172.5	5172.5	5172.5	5172.5	5172.5	5172.5
5228.7	2.5°	5209.9	5200.6	5163.1	5112.6	5060.2	5009.6	4992.8	4957.2	4932.9	4919.8
5350.3	5°	5314.8	5284.8	5196.8	5084.5	4966.6	4839.3	4749.4	4667.0	4607.1	4551.0
5516.9	7.5°	5464.5	5412.1	5260.5	5063.9	4854.2	4642.7	4485.4	4365.6	4285.1	4232.7
5711.6	10°	5638.6	5558.1	5326.0	5032.1	4708.2	4404.9	4219.6	4116.6	4066.1	4038.0
5934.4	12.5°	5838.9	5724.7	5393.4	4959.1	4485.4	4139.1	4011.8	3981.9	3983.7	3985.6
6215.2	15°	6086.1	5926.9	5447.7	4800.0	4195.3	3935.1	3912.6	3961.3	4011.8	4036.2
6533.5	17.5°	6365.0	6140.3	5457.0	4537.9	3910.7	3804.0	3875.2	3980.0	4056.7	4090.4
6889.2	20°	6664.5	6357.5	5389.6	4167.2	3676.7	3697.3	3824.6	3959.4	4043.6	4086.7
7295.4	22.5°	7007.1	6589.6	5228.7	3777.8	3485.8	3581.2	3731.0	3862.1	3950.0	3993.1
7772.8	25°	7398.4	6849.9	4975.9	3450.2	3321.0	3450.2	3600.0	3708.5	3779.7	3819.0
8306.3	27.5°	7832.7	7121.3	4639.0	3190.0	3176.9	3315.4	3439.0	3523.2	3560.6	3590.6
8873.5	30°	8268.9	7368.4	4230.8	2993.4	3051.5	3182.5	3270.5	3307.9	3319.2	3324.8
9506.3	32.5°	8740.6	7581.8	3802.1	2830.5	2931.6	3053.3	3105.7	3122.6	3070.2	3034.6
10273.8	35°	9311.6	7810.2	3382.8	2701.4	2813.7	2918.5	2935.4	2920.4	2858.6	2785.6
11236.1	37.5°	10017.4	8094.8	3047.7	2609.6	2703.2	2772.5	2751.9	2748.2	2753.8	2667.7
12393.0	40°	10882.3	8465.4	2802.5	2538.5	2613.4	2628.4	2570.3	2602.2	2630.2	2499.2
13662.3	42.5°	11842.6	8912.9	2647.1	2489.8	2538.5	2502.9	2413.1	2448.6	2444.9	2272.7
14937.1	45°	12821.7	9399.6	2592.8	2454.3	2469.2	2398.1	2298.9	2308.2	2229.6	2074.2
16159.6	47.5°	13795.2	9921.9	2626.5	2424.3	2383.1	2302.6	2225.9	2184.7	2068.6	1952.6
17331.5	50°	14749.9	10470.4	2750.0	2364.4	2265.2	2218.4	2162.2	2089.2	1965.7	1866.4
18439.7	52.5°	15635.4	11022.7	2888.6	2265.2	2117.3	2145.4	2109.8	2025.6	1903.9	1802.8
19488.1	55°	16474.1	11574.9	2942.9	2128.5	1978.8	2081.7	2061.1	1905.8	1759.7	1677.4
20585.1	57.5°	17387.7	12239.5	2883.0	1954.4	1866.4	2008.7	1930.1	1757.9	1673.6	1611.8
22013.5	60°	18653.2	13282.2	2753.8	1739.1	1759.7	1900.1	1765.3	1694.2	1602.5	1533.2
24155.1	62.5°	20755.5	15227.3	2546.0	1525.7	1634.3	1739.1	1686.7	1615.6	1522.0	1454.6
27816.9	65°	23863.1	17930.5	2154.7	1359.1	1493.9	1581.9	1602.5	1531.3	1434.0	1362.9
31025.6	67.5°	26484.0	19626.6	1630.6	1220.6	1349.8	1454.6	1512.6	1443.4	1340.4	1271.1
31776.3	70°	26339.8	18394.8	1244.9	1083.9	1222.5	1329.2	1404.0	1349.8	1239.3	1173.8
28863.4	72.5°	23395.1	15388.3	1007.2	945.4	1093.3	1198.1	1288.0	1246.8	1134.5	1070.8
21144.9	75°	17187.3	10923.4	805.0	805.0	932.3	1061.5	1160.7	1134.5	1031.5	986.6
8877.3	77.5°	7244.9	4582.8	630.9	668.3	775.0	911.7	1035.2	1044.6	954.7	1010.9
2347.6	80°	1926.3	1263.6	481.1	526.0	608.4	752.6	900.5	896.7	799.4	747.0
872.4	82.5°	733.8	498.0	342.6	370.7	439.9	576.6	713.3	735.7	638.4	552.3
342.6	85°	282.7	213.4	211.5	222.8	256.5	381.9	539.2	557.9	481.1	408.1
95.5	87.5°	73.0	63.6	78.6	74.9	117.9	204.1	308.9	320.1	293.9	170.4
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°
5172.5
4934.7
4573.4
4243.9
4045.5
3989.4
4034.3
4097.9
4097.9
4004.3
3830.2
3601.8
3337.9
3045.8
2789.4
2673.3
2502.9
2270.8
2079.9
1952.6
1859.0
1804.7
1669.9
1606.2
1529.5
1454.6
1366.6
1273.0
1179.4
1070.8
973.5
917.3
694.5
552.3
421.2
243.4
0.0

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