

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: P636758

Luminaire Tested: **IFLD-L-SA7B-930-U-77-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P636758  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA7B-930-U-77-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 7 distribution lens and Visor  
Light Source: (112) 3000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 17531 lumens  
Efficiency: N/A  
Efficacy: 62.4 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B4 - U0 - G2

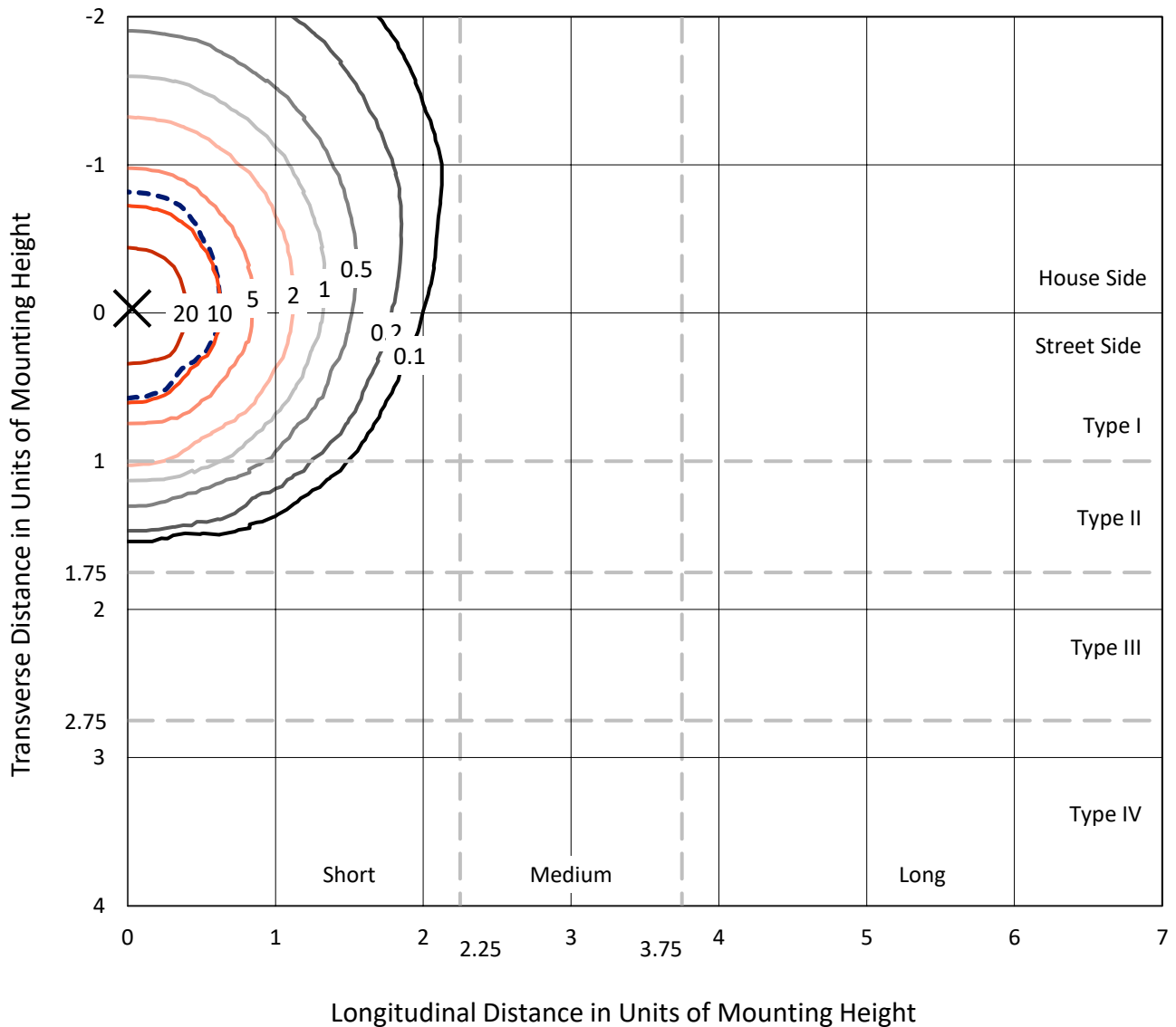
Input Watts (W): 281  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

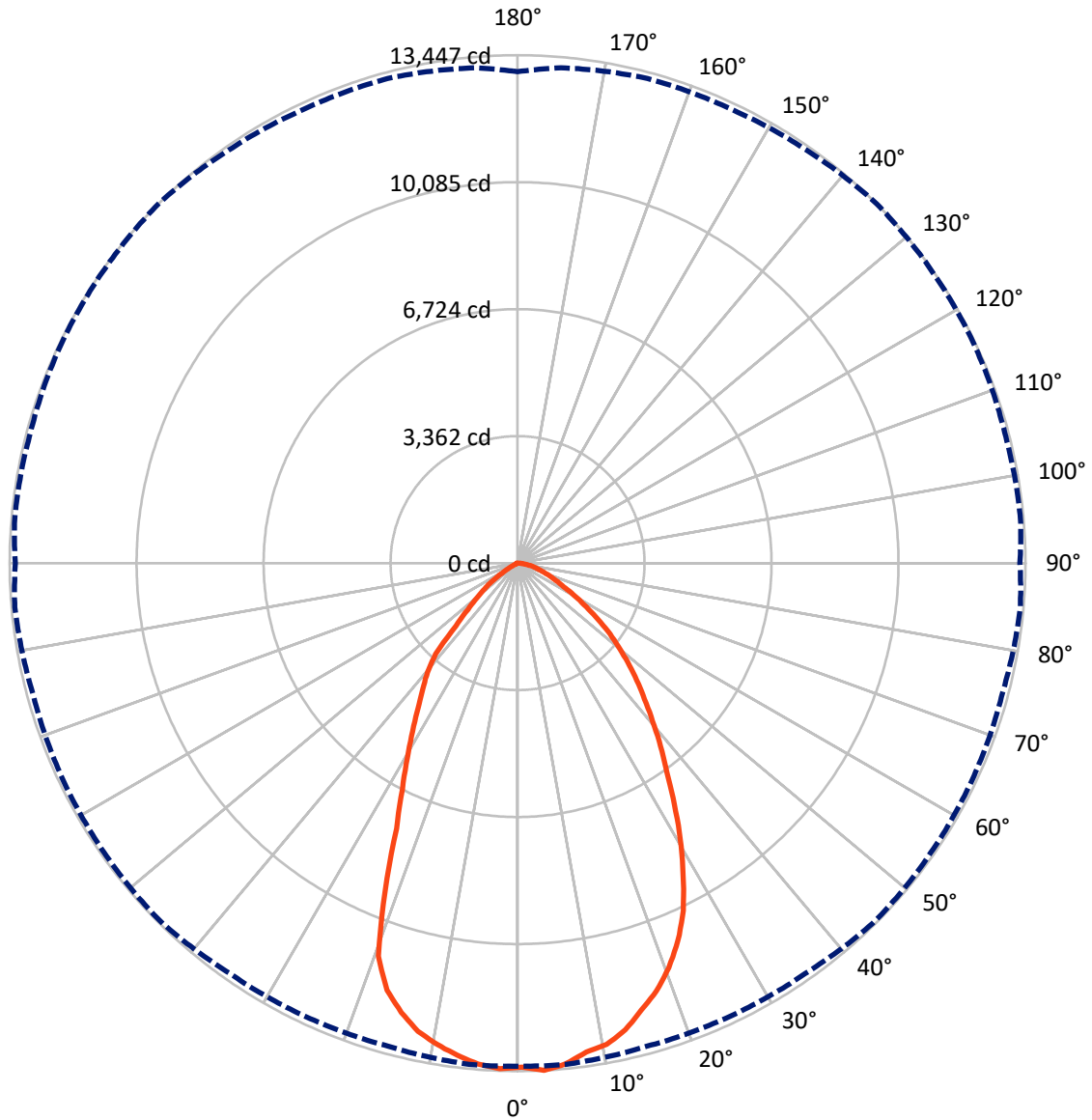
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 33.4 fc  
 Type I - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 135-Deg Lateral    - - - Horizontal Cone Through 2.5-Deg Vertical

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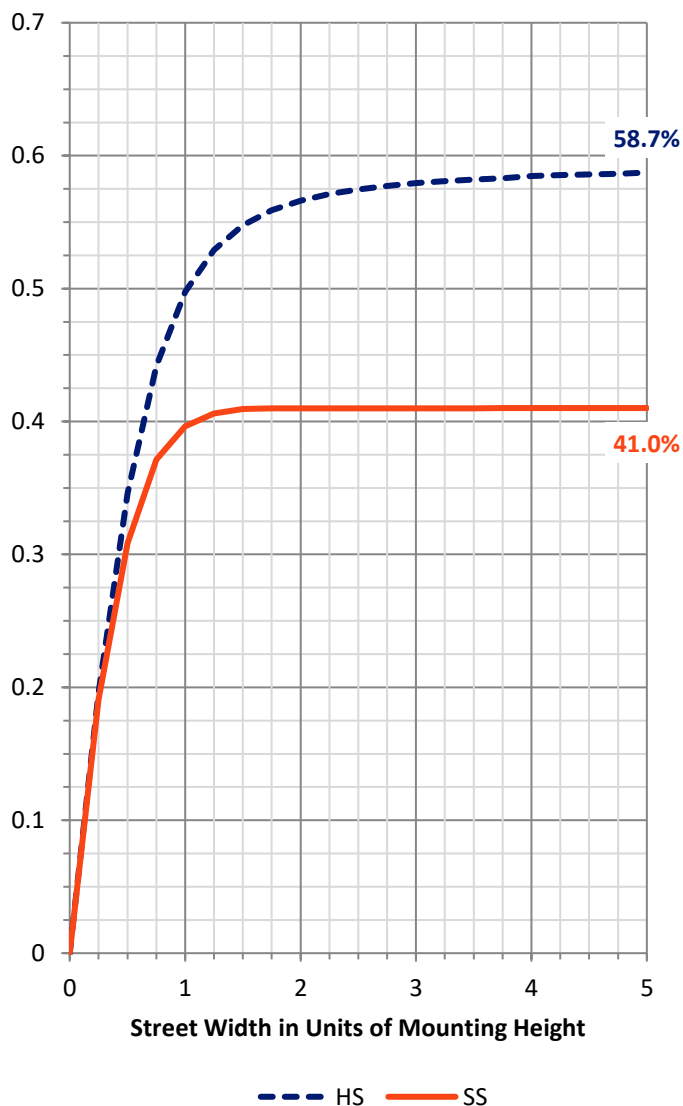
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	10382.8	0.0	10382.8
	% Fixture	59.2	0.0	59.2
<b>Street Side</b>	Lumens	7148.3	0.0	7148.3
	% Fixture	40.8	0.0	40.8
<b>Total</b>	Lumens	17531.0	0.0	17531.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1251.2	7.1
10°-20°	3355.1	19.1
20°-30°	4091.8	23.3
30°-40°	3735.7	21.3
40°-50°	2699.7	15.4
50°-60°	1474.1	8.4
60°-70°	609.5	3.5
70°-80°	246.8	1.4
80°-90°	67.1	0.4
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°	17531.0	100.0
0°-180°	17531.0	100.0

**Coefficient of Utilization**



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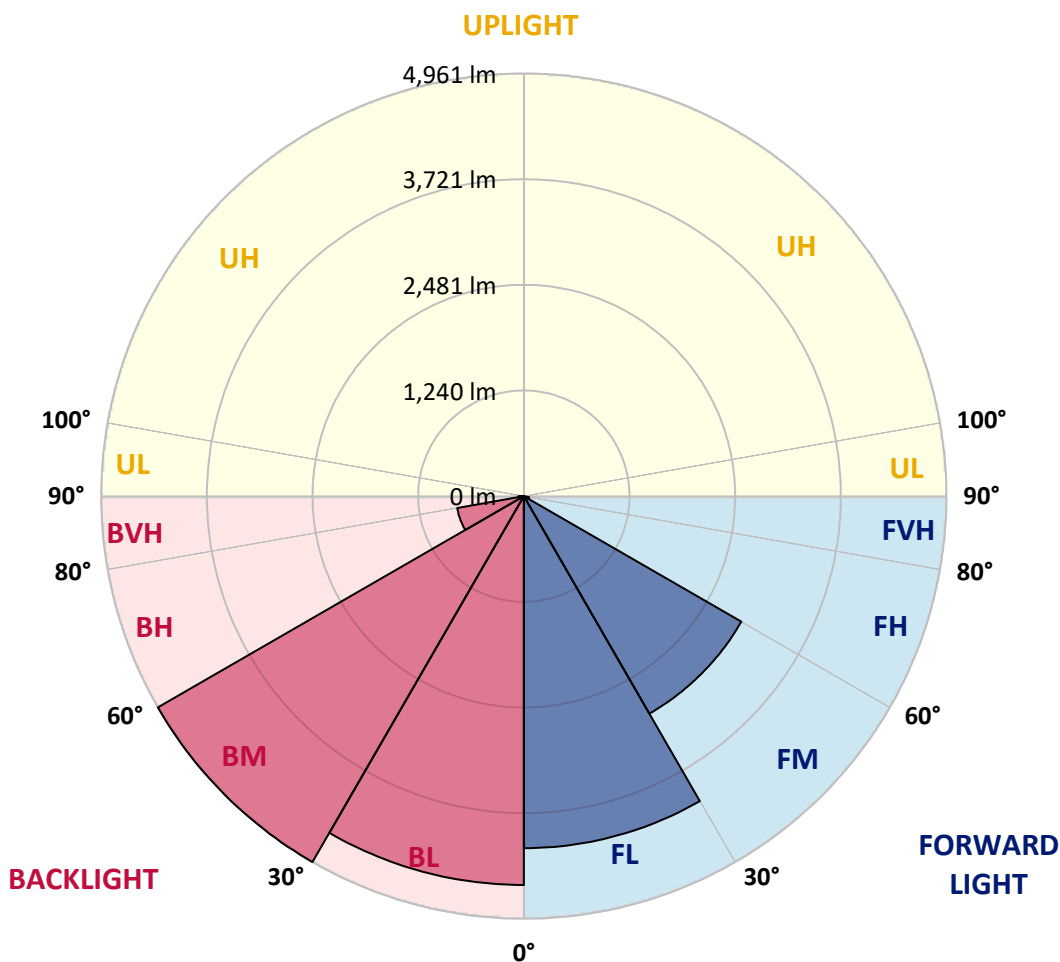
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4132.7	23.6			
FM (30°-60°)	2948.4	16.8			
FH (60°-80°)	61.8	0.4			G0/660
FVH (80°-90°)	5.4	0.0			G0/10
BL (0°-30°)	4565.3	26.0	B4/5000		
BM (30°-60°)	4961.1	28.3	B3/5000		
BH (60°-80°)	794.5	4.5	B2/1000		G2/1000
BVH (80°-90°)	61.8	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G2**

Type I Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	13341.1	13341.1	13341.1	13341.1	13341.1	13341.1	13341.1	13341.1	13341.1	13341.1
2.5°	13316.4	13333.7	13239.9	13249.7	13267.0	13392.9	13360.8	13331.2	13289.2	13360.8
5°	13299.1	13309.0	13210.2	13175.7	13190.5	13304.0	13200.4	13200.4	13190.5	13178.1
7.5°	13165.8	13170.7	13094.2	13032.5	13072.0	13123.8	13047.3	13084.3	13030.0	13072.0
10°	12965.8	12933.7	12842.4	12825.1	12869.5	12918.9	12867.1	12901.6	12852.3	12884.4
12.5°	12672.0	12622.7	12548.6	12526.4	12602.9	12669.6	12627.6	12607.9	12543.7	12622.7
15°	11538.9	11501.9	11669.7	11963.5	12227.7	12284.4	12240.0	12259.8	12126.4	12148.7
17.5°	9497.2	9428.1	9608.3	10304.5	11297.0	11820.3	11780.8	11652.5	11455.0	11499.4
20°	8630.7	8611.0	8591.2	8756.6	9450.3	11037.7	11092.0	10766.2	10484.7	10423.0
22.5°	8141.9	8134.5	8114.7	8151.8	8334.5	9354.1	9976.2	9675.0	9487.4	9470.1
25°	7695.1	7682.7	7623.5	7670.4	7670.4	7729.6	8527.0	8709.7	8544.3	8524.6
27.5°	7240.8	7218.6	7208.7	7230.9	7117.4	6717.4	6919.9	7811.1	7724.7	7729.6
30°	6749.5	6742.1	6715.0	6761.9	6411.3	5915.1	5786.7	6996.4	7013.7	7008.8
32.5°	6018.8	6050.9	6174.3	6226.2	5648.5	5238.7	5023.9	6053.3	6406.4	6399.0
35°	4372.1	4372.1	4774.5	5522.6	4949.8	4641.2	4525.2	5132.5	5806.5	5831.2
37.5°	3594.5	3606.8	3685.8	4026.5	4270.9	4162.3	4127.7	4320.3	5036.2	5075.7
40°	3234.0	3234.0	3234.0	3093.3	3085.9	3750.0	3730.3	3668.5	4349.9	4436.3
42.5°	2905.7	2913.1	2918.1	2562.6	2365.1	3241.5	3197.0	3103.2	3735.2	3836.4
45°	2567.5	2579.8	2594.6	2142.9	2056.5	2333.0	2705.7	2602.1	3127.9	3258.7
47.5°	1567.6	1587.4	1923.1	1817.0	1826.9	1799.7	2207.1	2189.8	2565.0	2750.2
50°	1059.1	1066.5	1098.6	1152.9	1567.6	1414.6	1562.7	1812.1	1947.8	2229.3
52.5°	888.7	901.1	822.1	748.0	1029.5	1106.0	1091.2	1345.5	1399.8	1747.9
55°	624.6	664.1	627.1	619.7	585.1	859.1	827.0	1034.4	1069.0	1328.2
57.5°	64.2	74.1	128.4	461.7	382.7	486.3	590.0	757.9	792.5	980.1
60°	4.9	4.9	12.3	64.2	279.0	291.3	407.3	466.6	533.2	683.8
62.5°	0.0	2.5	4.9	9.9	44.4	155.5	204.9	244.4	320.9	441.9
65°	0.0	0.0	2.5	7.4	9.9	59.2	79.0	128.4	175.3	274.0
67.5°	0.0	0.0	2.5	4.9	7.4	14.8	27.2	46.9	93.8	155.5
70°	0.0	0.0	2.5	4.9	7.4	12.3	19.7	29.6	42.0	83.9
72.5°	0.0	0.0	2.5	2.5	4.9	12.3	14.8	19.7	29.6	42.0
75°	0.0	0.0	2.5	2.5	7.4	14.8	12.3	14.8	19.7	27.2
77.5°	0.0	0.0	2.5	4.9	7.4	14.8	12.3	14.8	14.8	17.3
80°	0.0	0.0	2.5	4.9	9.9	17.3	14.8	14.8	12.3	12.3
82.5°	0.0	0.0	2.5	7.4	9.9	22.2	22.2	19.7	9.9	7.4
85°	0.0	0.0	4.9	9.9	14.8	24.7	24.7	19.7	7.4	4.9
87.5°	0.0	0.0	4.9	7.4	12.3	17.3	24.7	19.7	7.4	2.5
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):**

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°
13341.1	0°	13341.1	13341.1	13341.1	13341.1	13341.1	13341.1	13341.1	13341.1	13341.1
13299.1	2.5°	13365.8	13350.9	13400.3	13420.1	13447.2	13343.5	13279.3	13281.8	13163.3
13148.5	5°	13227.5	13230.0	13294.2	13289.2	13316.4	13259.6	13234.9	13192.9	13089.3
12958.4	7.5°	13052.2	13030.0	13091.7	13138.6	13069.5	13109.0	13052.2	13072.0	13010.3
12790.5	10°	12916.4	12864.6	12921.4	12953.5	12955.9	12916.4	12862.1	12810.3	12788.1
12528.9	12.5°	12615.3	12548.6	12644.9	12689.3	12681.9	12605.4	12543.7	12556.0	12484.4
12069.7	15°	12200.5	12203.0	12272.1	12314.1	12274.6	12257.3	12262.2	12232.6	12170.9
11435.2	17.5°	11566.0	11603.1	11785.8	11887.0	11909.2	11874.6	11857.4	11822.8	11761.1
10423.0	20°	10509.4	10731.6	11057.5	11371.0	11432.7	11422.9	11361.1	11346.3	11311.8
9420.7	22.5°	9581.2	9746.6	10124.3	10613.1	10864.9	10889.6	10815.5	10793.3	10756.3
8524.6	25°	8620.8	8798.6	9139.3	9670.1	10191.0	10297.1	10284.8	10218.1	10178.6
7729.6	27.5°	7811.1	7988.8	8297.4	8776.4	9334.3	9675.0	9707.1	9600.9	9598.5
7021.1	30°	7080.3	7324.8	7559.3	7949.3	8490.0	9001.0	9055.3	8981.3	8988.7
6371.8	32.5°	6507.6	6710.0	6910.0	7171.7	7621.0	8216.0	8428.3	8359.2	8332.0
5831.2	35°	5922.5	6060.8	6265.7	6505.1	6811.3	7401.3	7769.1	7717.3	7690.1
5100.4	37.5°	5255.9	5492.9	5641.1	5910.2	6149.6	6618.7	7137.1	7129.7	7072.9
4478.3	40°	4572.1	4821.4	5046.1	5317.7	5502.8	5875.6	6450.8	6448.3	6455.8
3834.0	42.5°	3952.5	4182.0	4453.6	4749.9	4927.6	5199.2	5816.4	5850.9	5892.9
3303.2	45°	3392.0	3599.4	3851.2	4211.7	4426.4	4582.0	5130.0	5288.0	5285.6
2829.2	47.5°	2888.4	3083.5	3295.8	3646.3	3920.4	4061.1	4515.3	4740.0	4725.2
2320.6	50°	2424.3	2597.1	2819.3	3073.6	3441.4	3564.9	3903.1	4199.3	4177.1
1849.1	52.5°	1950.3	2189.8	2377.4	2609.5	2997.0	3118.0	3379.7	3668.5	3651.3
1387.4	55°	1520.7	1752.8	1979.9	2179.9	2505.8	2686.0	2873.6	3169.9	3164.9
1086.2	57.5°	1150.4	1404.7	1619.5	1809.6	2068.8	2291.0	2441.6	2710.7	2745.2
743.1	60°	851.7	1046.7	1278.8	1491.1	1696.0	1925.6	2026.8	2291.0	2305.8
508.6	62.5°	580.2	794.9	1022.1	1214.6	1367.7	1604.7	1696.0	1913.3	1940.4
325.9	65°	402.4	540.7	799.9	938.1	1125.7	1328.2	1419.5	1592.3	1646.6
187.6	67.5°	266.6	385.1	624.6	750.5	935.7	1073.9	1189.9	1330.7	1389.9
118.5	70°	145.7	283.9	446.8	592.5	753.0	886.3	999.8	1113.4	1165.2
54.3	72.5°	98.7	190.1	311.1	469.1	607.3	738.2	839.4	923.3	925.8
32.1	75°	49.4	128.4	237.0	362.9	474.0	602.4	693.7	743.1	683.8
19.7	77.5°	29.6	93.8	192.6	291.3	385.1	486.3	538.2	565.3	469.1
14.8	80°	17.3	66.7	150.6	232.1	266.6	358.0	407.3	414.7	313.5
9.9	82.5°	12.3	49.4	118.5	170.3	162.9	251.8	306.1	296.2	200.0
7.4	85°	7.4	34.6	74.1	106.2	98.7	165.4	177.7	182.7	116.0
4.9	87.5°	4.9	19.7	39.5	56.8	46.9	71.6	71.6	86.4	56.8
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





180°
13341.1
<i>13010.3</i>
13064.6
12906.6
12689.3
12422.7
12109.2
11733.9
11232.8
10746.4
10136.6
9593.5
8951.6
8334.5
7653.1
7119.8
6455.8
5870.7
5290.5
4730.1
4196.9
3688.3
3177.3
2730.4
2328.0
1945.4
1634.3
1382.5
1145.5
903.6
639.4
451.8
293.8
185.2
106.2
49.4
0.0

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