

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: P637004

Luminaire Tested: **IFLD-S-SA3B-722-U-33-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P637004
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3B-722-U-33-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 3 distribution lens and Visor
Light Source: (48) 2200K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12464.7 lumens
Efficiency: N/A
Efficacy: 101.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

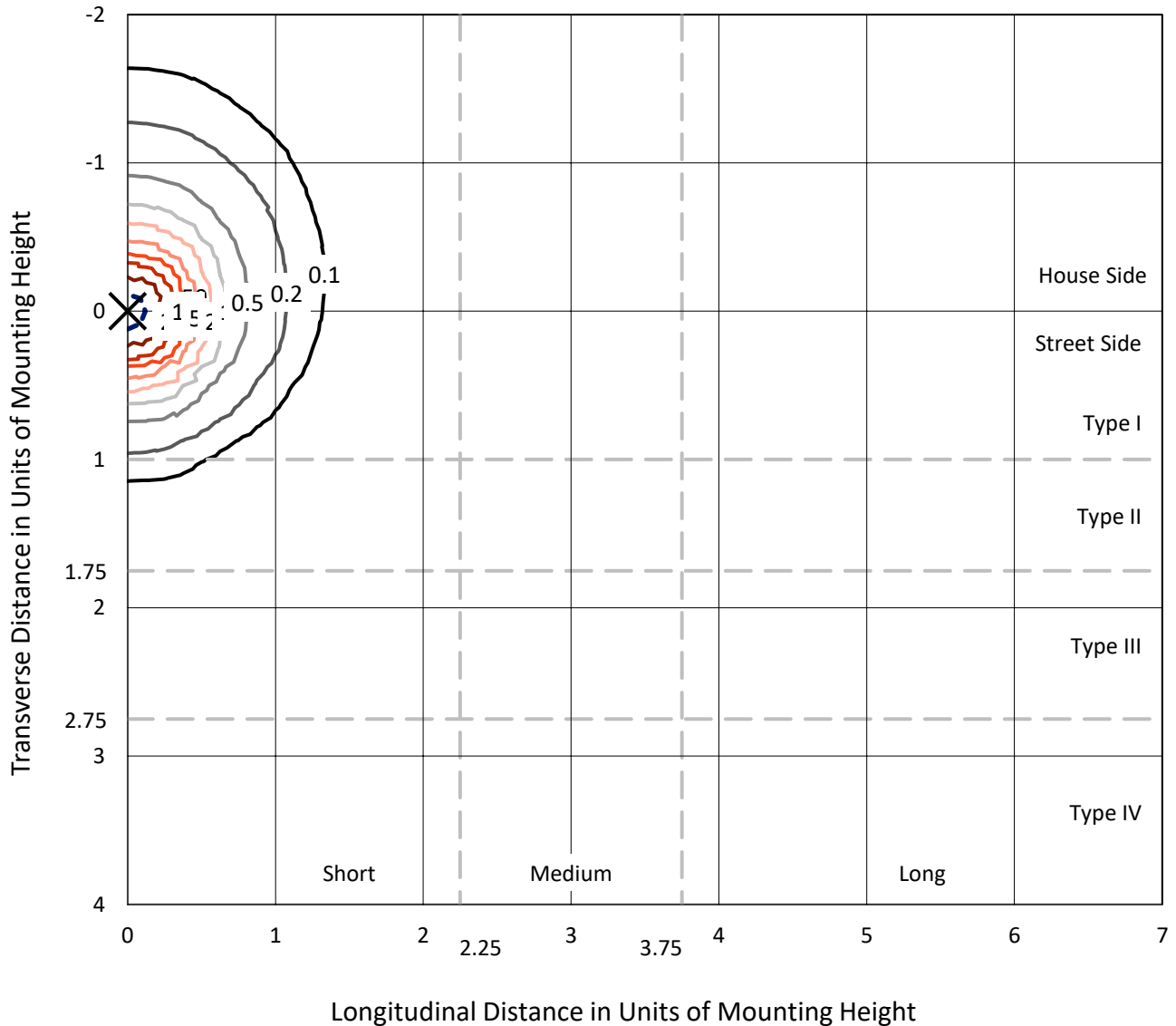
Input Watts (W): 122.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

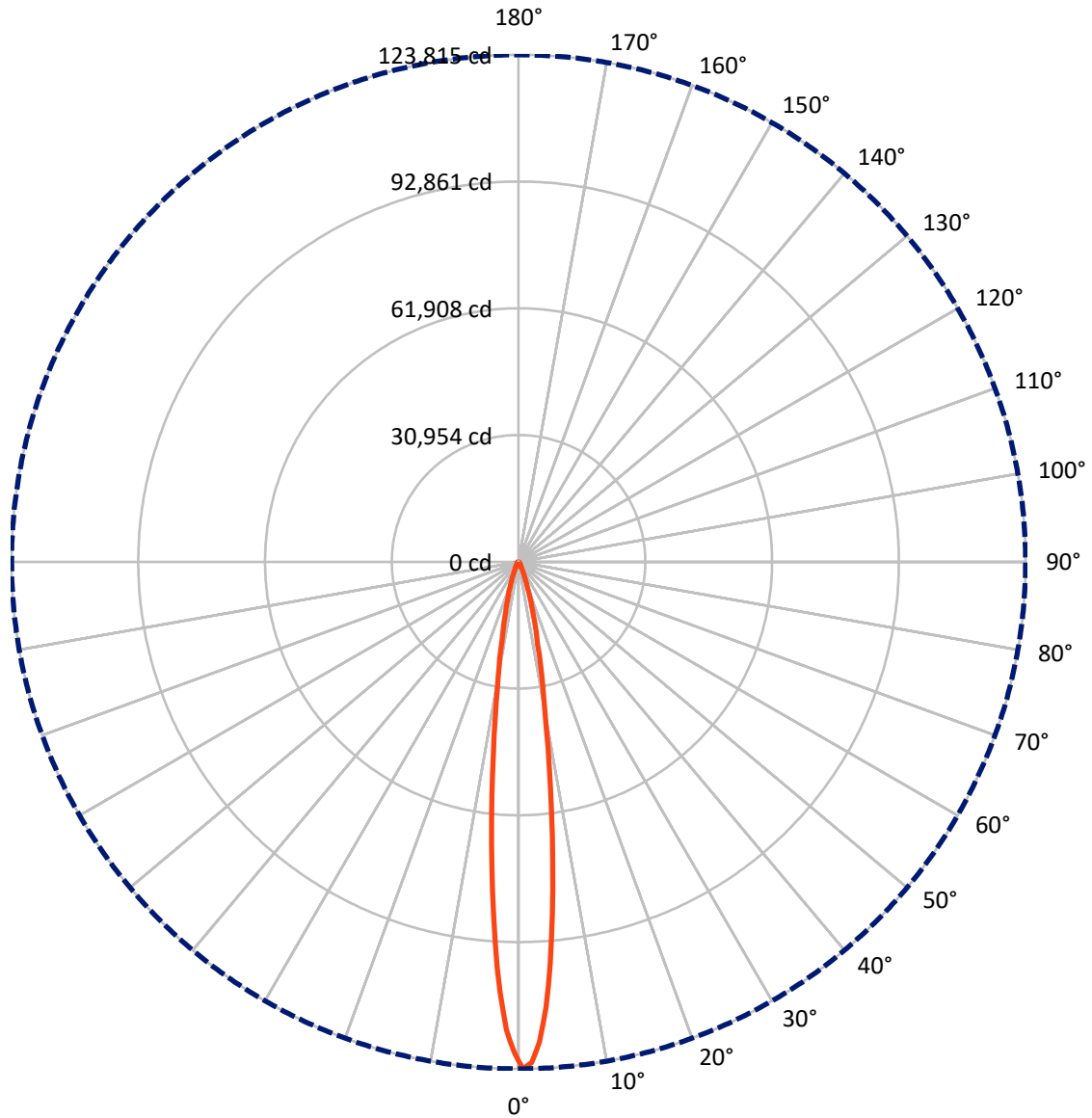
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 309.5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral - - - Horizontal Cone Through 0-Deg Vertical

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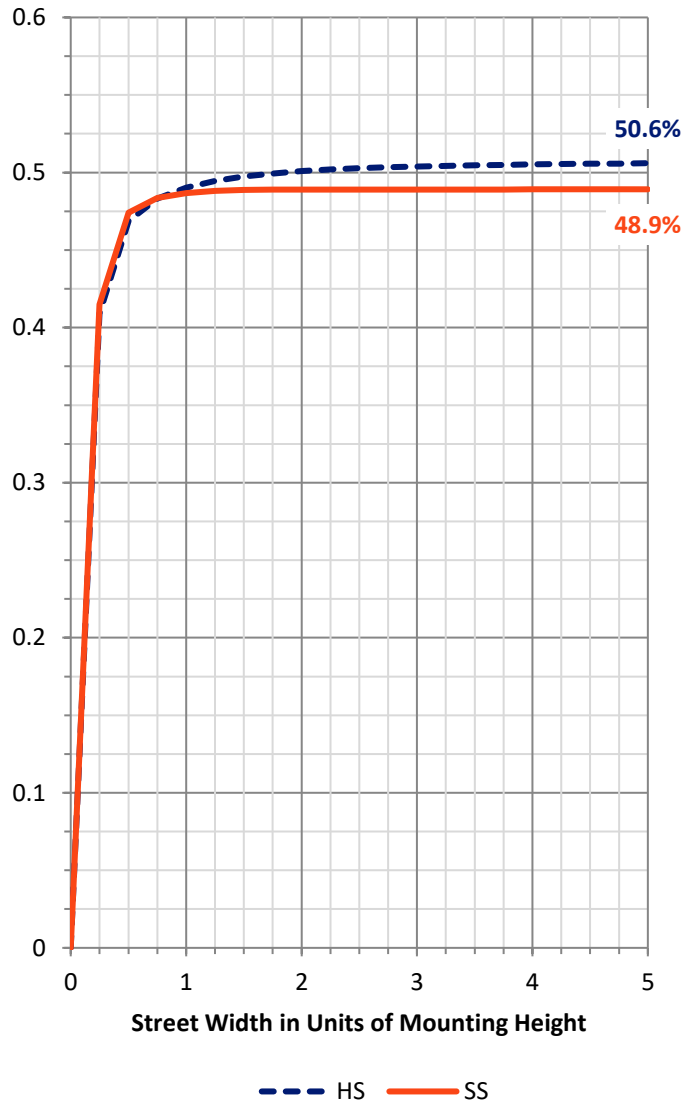
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6384.2	0.0	6384.2
	% Fixture	51.2	0.0	51.2
Street Side	Lumens	6080.5	0.0	6080.5
	% Fixture	48.8	0.0	48.8
Total	Lumens	12464.7	0.0	12464.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6292.6	50.5
10°-20°	4028.5	32.3
20°-30°	1210.9	9.7
30°-40°	394.3	3.2
40°-50°	229.4	1.8
50°-60°	152.4	1.2
60°-70°	91.7	0.7
70°-80°	47.1	0.4
80°-90°	17.9	0.1
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°	12464.7	100.0
0°-180°	12464.7	100.0

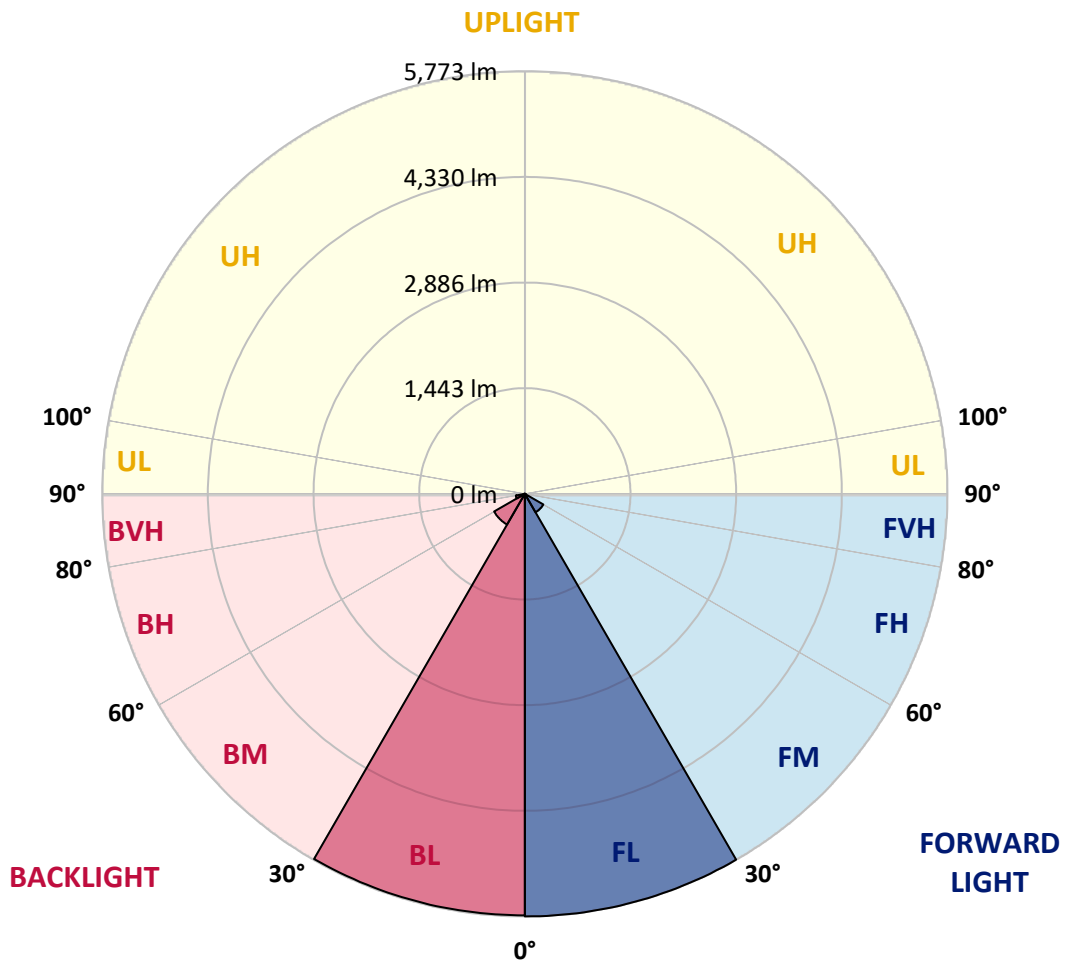


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5772.8	46.3			
FM (30°-60°)	291.3	2.3			
FH (60°-80°)	13.7	0.1			G0/660
FVH (80°-90°)	2.7	0.0			G0/10
BL (0°-30°)	5759.1	46.2	B5		
BM (30°-60°)	484.7	3.9	B1/1000		
BH (60°-80°)	125.2	1.0	B1/500		G0/660
BVH (80°-90°)	15.2	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G1
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	123815.1	123815.1	123815.1	123815.1	123815.1	123815.1	123815.1	123815.1	123815.1	123815.1
1°	122332.6	121959.2	120995.3	121680.9	122283.7	122108.6	122096.4	122031.2	121940.2	122654.3
2°	117442.5	117200.8	115775.3	116363.2	117219.8	116595.3	116986.3	116642.9	116649.6	117502.2
3°	109199.1	109330.8	107056.8	108125.2	109315.8	107802.1	108271.8	109154.3	108229.8	107951.5
4°	98484.9	97341.8	96099.5	97185.6	97493.8	96612.7	97478.9	98559.5	97275.2	97332.3
5°	86252.8	85408.4	83938.1	84608.8	83844.4	84122.7	85420.6	85865.9	84969.9	83841.7
6°	73676.0	73075.9	71237.7	72204.3	71932.8	71775.3	73413.9	72056.3	72545.1	71862.2
7°	61283.7	60162.3	59259.5	60185.4	60245.2	59771.4	61898.7	61651.6	60762.4	60556.0
8°	50774.5	49655.8	48891.5	49581.2	50031.9	49287.9	50288.5	50945.5	50250.5	50312.9
9°	40952.2	40755.4	39692.3	40593.8	41083.9	40287.0	41394.8	41632.4	40982.1	41298.4
10°	33625.2	33395.8	32547.3	32912.5	33724.3	32774.0	33837.0	33914.4	33395.8	33543.7
12.5°	20779.5	20687.2	20664.1	20717.1	20706.2	20874.6	21146.1	20836.5	20795.8	20284.0
15°	13430.8	13567.9	13426.7	13698.3	13737.6	13896.5	13730.8	13481.0	13004.5	12768.3
17.5°	8381.9	8557.0	8798.6	9196.4	9594.2	9640.4	9420.4	9127.2	8896.4	8643.9
20°	4822.2	4907.7	4871.1	5347.6	6376.7	6656.3	6372.6	6064.4	5786.1	5530.9
22.5°	2996.2	2965.0	3022.0	3182.2	3517.6	4382.4	4150.2	3842.0	3639.7	3429.3
25°	1836.8	1870.8	1849.1	1937.3	2088.0	2454.6	2507.5	2374.5	2271.3	2162.7
27.5°	1182.5	1182.5	1192.0	1240.9	1344.0	1331.8	1614.2	1511.0	1455.4	1402.4
30°	821.4	824.1	824.1	852.6	875.7	834.9	908.2	1041.3	1015.5	974.8
32.5°	609.6	617.7	624.5	639.4	620.4	577.0	594.6	749.4	734.5	719.5
35°	464.3	471.1	487.4	495.5	468.4	441.2	424.9	551.2	558.0	553.9
37.5°	338.0	342.1	372.0	403.2	372.0	347.5	338.0	423.6	456.2	452.1
40°	259.3	260.7	266.1	301.4	301.4	282.4	285.1	316.3	373.3	373.3
42.5°	222.6	222.6	228.1	222.6	224.0	244.4	251.2	255.2	316.3	316.3
45°	192.8	192.8	195.5	181.9	168.3	210.4	215.9	217.2	266.1	272.9
47.5°	161.6	161.6	167.0	149.3	142.5	167.0	181.9	186.0	229.4	234.9
50°	119.5	120.8	137.1	122.2	126.3	129.0	157.5	160.2	194.1	206.4
52.5°	80.1	80.1	82.8	95.0	110.0	105.9	127.6	137.1	154.8	171.1
55°	65.2	65.2	63.8	61.1	81.5	88.2	93.7	114.0	126.3	146.6
57.5°	44.8	47.5	43.4	50.2	52.9	66.5	70.6	89.6	96.4	123.5
60°	5.4	6.8	9.5	36.7	35.3	44.8	52.9	70.6	78.7	95.0
62.5°	1.4	1.4	2.7	6.8	24.4	29.9	42.1	48.9	57.0	73.3
65°	0.0	0.0	1.4	2.7	5.4	16.3	21.7	28.5	40.7	51.6
67.5°	0.0	0.0	1.4	2.7	2.7	6.8	10.9	17.6	21.7	38.0
70°	0.0	0.0	1.4	2.7	2.7	5.4	6.8	8.1	14.9	20.4
72.5°	0.0	0.0	1.4	2.7	4.1	5.4	6.8	6.8	6.8	13.6
75°	0.0	0.0	1.4	2.7	4.1	5.4	6.8	6.8	5.4	5.4
77.5°	0.0	0.0	1.4	2.7	5.4	6.8	8.1	6.8	4.1	4.1
80°	0.0	0.0	1.4	4.1	6.8	9.5	10.9	8.1	4.1	2.7
82.5°	0.0	0.0	2.7	5.4	8.1	10.9	14.9	12.2	5.4	2.7
85°	0.0	0.0	1.4	4.1	8.1	10.9	21.7	14.9	6.8	1.4
87.5°	0.0	0.0	0.0	1.4	1.4	2.7	8.1	5.4	2.7	1.4
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°
123815.1	0°	123815.1	123815.1	123815.1	123815.1	123815.1	123815.1	123815.1	123815.1
121830.3	1°	122681.5	122767.0	122487.3	122920.4	122768.4	121877.8	121583.2	121234.3
117001.3	2°	116642.9	117078.6	117100.4	117581.0	117574.2	116535.6	116213.8	116807.1
108516.2	3°	108187.7	108695.4	108237.9	109091.8	108835.3	107575.4	107248.2	107921.6
97783.0	4°	97491.1	97394.7	97237.2	96751.2	97349.9	96490.5	95843.0	96756.6
85337.8	5°	85166.7	84952.2	84645.4	84501.5	84946.8	84397.0	83065.2	84399.7
73097.6	6°	73187.2	72264.0	72219.2	72139.1	72183.9	70644.4	70736.7	71730.5
59846.0	7°	60478.7	60648.4	60302.2	60857.4	60433.9	59391.2	58989.4	60036.1
50587.1	8°	50234.2	50019.7	49754.9	50584.4	49850.0	49165.7	48697.4	49524.1
41350.0	9°	41272.6	40902.0	40633.2	40591.1	40705.1	39420.8	39681.5	40307.3
33625.2	10°	33637.4	33029.2	33177.2	33216.6	33091.7	32249.9	32258.1	32474.0
20623.4	12.5°	20550.1	20251.4	20326.1	20366.8	20620.7	20324.7	19906.6	19605.2
13003.2	15°	12916.3	12701.8	13140.3	13434.9	13375.1	13111.8	12914.9	12642.0
8643.9	17.5°	8563.8	8844.8	8846.2	9115.0	9142.1	8878.7	8726.7	8481.0
5621.8	20°	5601.5	5718.2	5961.3	6151.3	6261.3	6060.4	5878.4	5710.1
3505.3	22.5°	3505.3	3709.0	3861.0	4108.1	4208.6	4062.0	3933.0	3795.9
2188.5	25°	2151.8	2297.1	2423.3	2637.8	2774.9	2704.4	2586.2	2489.9
1413.3	27.5°	1435.0	1496.1	1558.5	1706.5	1849.1	1809.7	1762.2	1703.8
996.5	30°	1011.4	1016.8	1083.4	1166.2	1261.2	1285.7	1263.9	1234.1
731.8	32.5°	745.3	767.0	798.3	849.9	913.7	972.0	961.2	947.6
559.3	35°	575.6	608.2	634.0	673.4	707.3	763.0	772.5	768.4
460.2	37.5°	469.7	498.2	524.0	547.1	575.6	613.6	643.5	644.9
380.1	40°	389.6	415.4	449.4	467.0	487.4	515.9	552.5	555.3
321.8	42.5°	328.5	353.0	386.9	408.6	423.6	450.7	487.4	492.8
275.6	45°	282.4	297.3	332.6	358.4	373.3	391.0	430.4	435.8
237.6	47.5°	245.7	260.7	282.4	319.0	332.6	348.9	380.1	389.6
210.4	50°	215.9	230.8	249.8	282.4	302.7	316.3	342.1	355.7
183.3	52.5°	191.4	206.4	226.7	252.5	275.6	287.8	312.2	329.9
149.3	55°	160.2	186.0	200.9	224.0	255.2	266.1	285.1	308.2
130.3	57.5°	139.8	161.6	183.3	202.3	233.5	247.1	266.1	287.8
103.2	60°	118.1	138.5	164.3	180.6	210.4	228.1	248.4	268.8
78.7	62.5°	93.7	120.8	138.5	161.6	190.1	213.1	229.4	249.8
61.1	65°	69.2	99.1	119.5	143.9	171.1	195.5	209.1	230.8
43.4	67.5°	50.2	77.4	101.8	124.9	150.7	175.1	188.7	207.7
27.2	70°	39.4	57.0	84.2	104.5	131.7	152.1	167.0	179.2
17.6	72.5°	23.1	43.4	67.9	91.0	115.4	129.0	139.8	150.7
8.1	75°	14.9	33.9	55.7	76.0	93.7	105.9	115.4	124.9
4.1	77.5°	9.5	24.4	44.8	63.8	72.0	86.9	95.0	100.5
2.7	80°	5.4	19.0	39.4	51.6	58.4	67.9	76.0	82.8
2.7	82.5°	4.1	16.3	32.6	43.4	43.4	54.3	58.4	58.4
1.4	85°	2.7	13.6	25.8	40.7	32.6	40.7	38.0	38.0
1.4	87.5°	2.7	9.5	12.2	17.6	14.9	17.6	17.6	20.4
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



180°
123815.1
119852.2
114294.2
104930.8
93449.5
80883.5
68849.7
57189.2
47163.3
38352.4
31005.0
19421.9
12502.2
8419.9
5651.7
3722.6
2434.2
1669.9
1213.7
936.7
754.8
635.4
551.2
488.7
434.4
391.0
357.1
329.9
309.5
289.2
274.2
259.3
234.9
209.1
183.3
153.4
124.9
97.7
74.7
54.3
36.7
20.4
0.0

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