

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: P636618

Luminaire Tested: **IFLD-L-SA8B-930-U-66-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636618
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8B-930-U-66-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 6 distribution lens and Visor
Light Source: (128) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20739 lumens
Efficiency: N/A
Efficacy: 64.8 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G1

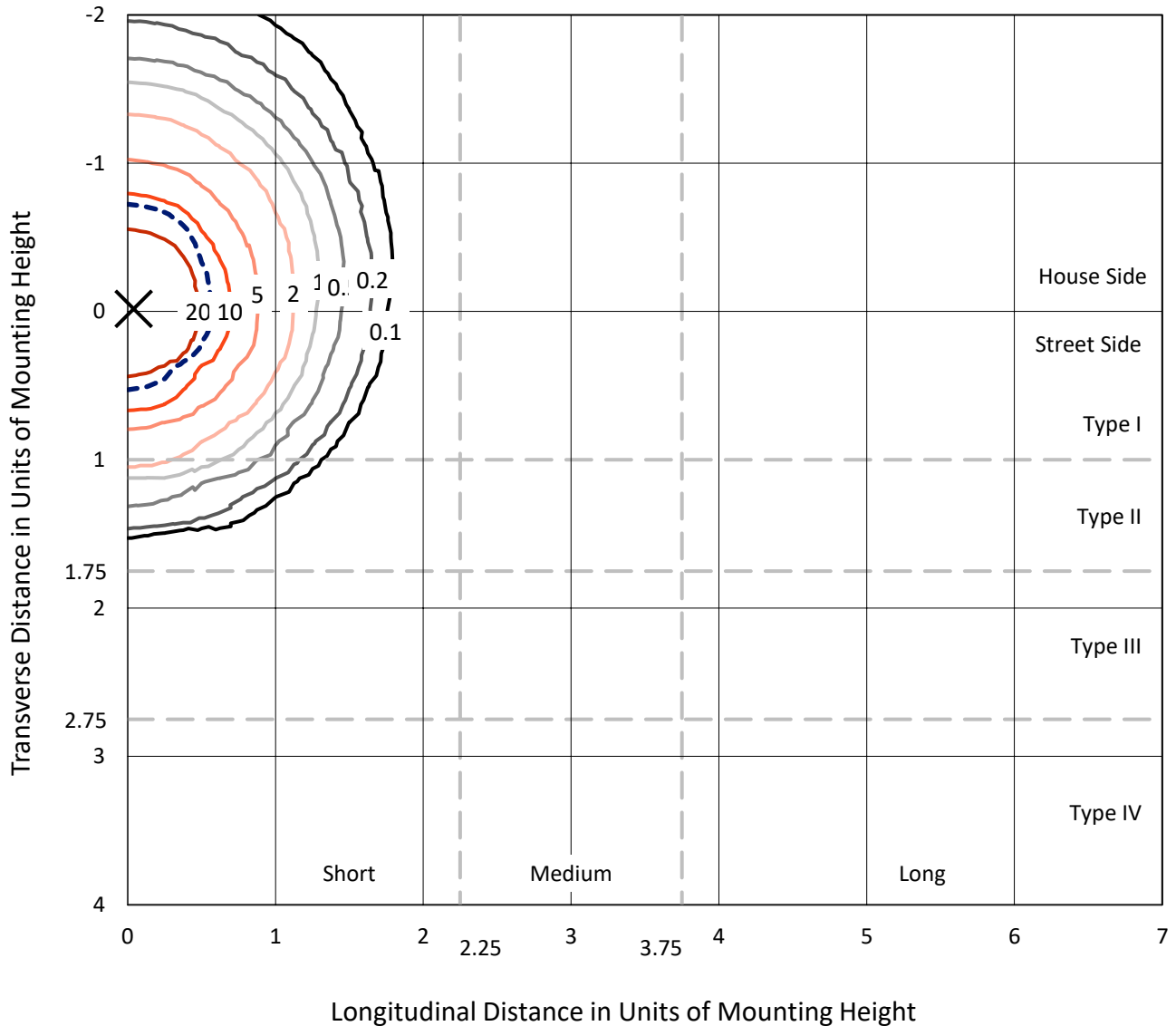
Input Watts (W): 320
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

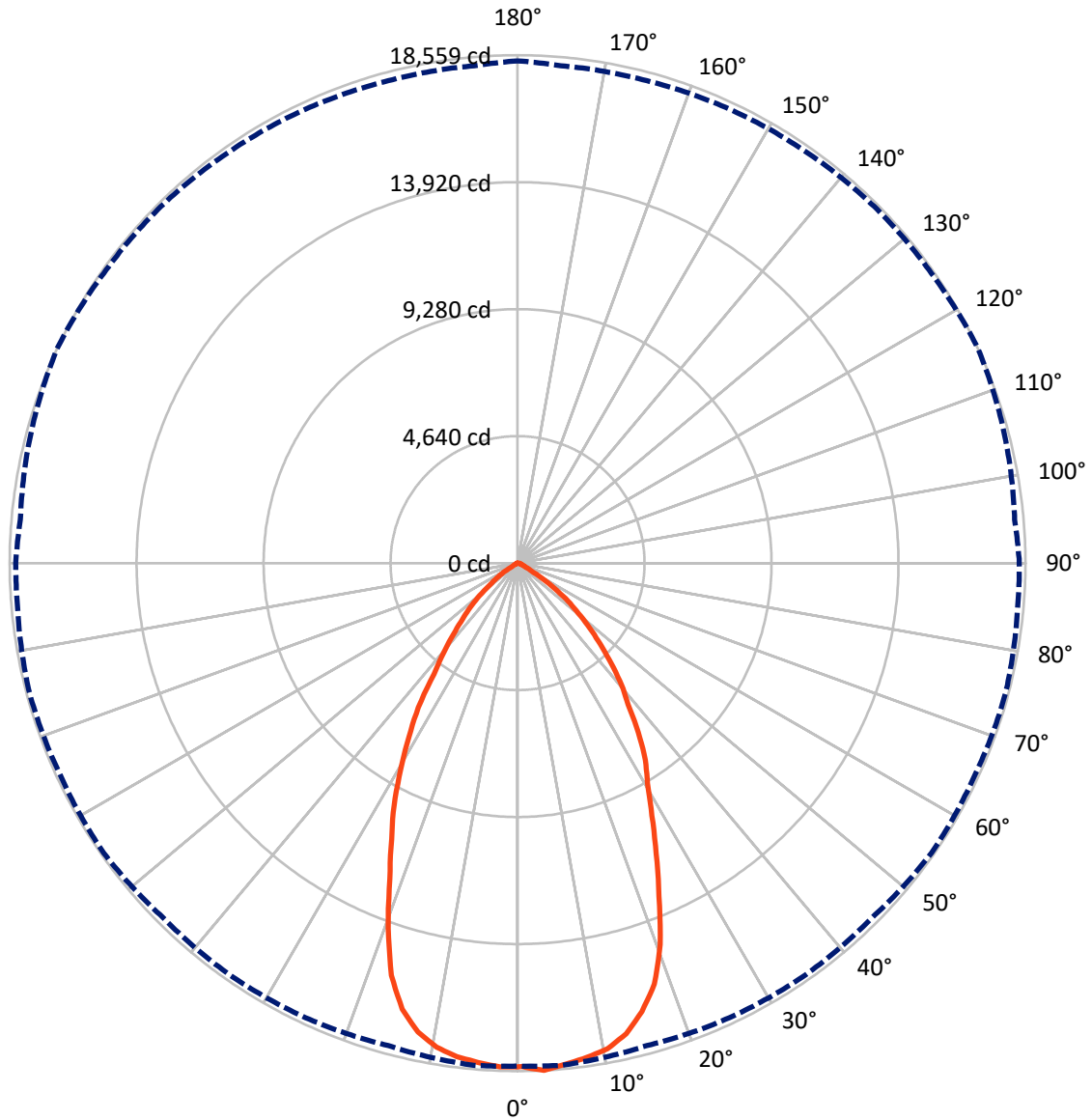
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 46 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 115-Deg Lateral - - - Horizontal Cone Through 2.5-Deg Vertical

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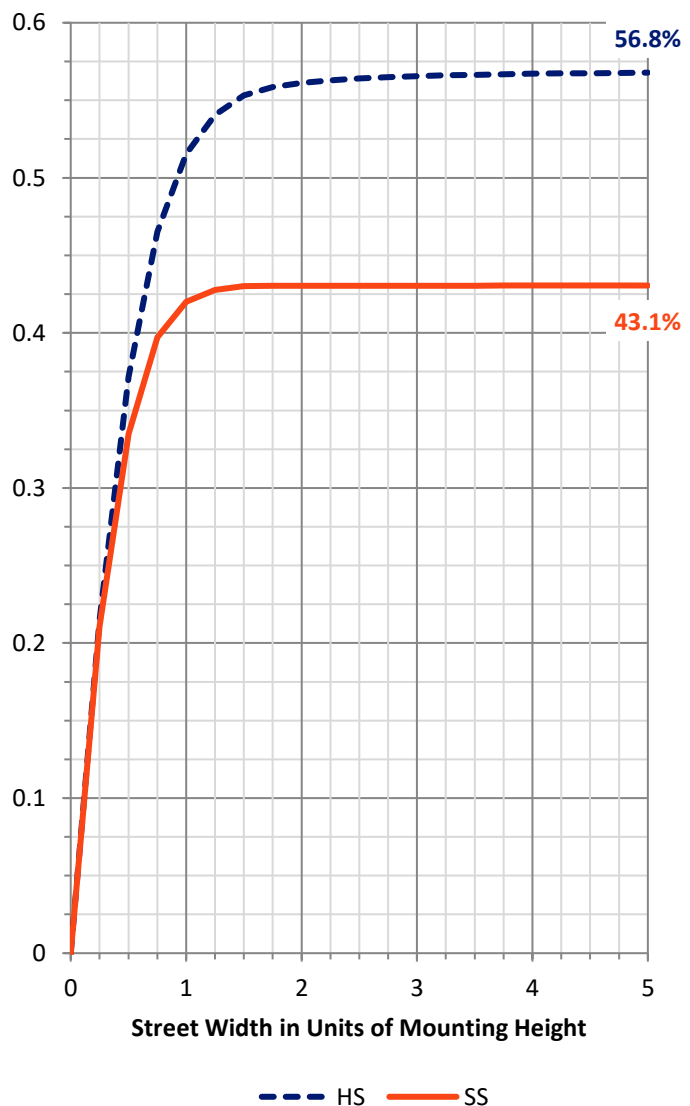
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11868.7	0.0	11868.7
	% Fixture	57.2	0.0	57.2
Street Side	Lumens	8870.3	0.0	8870.3
	% Fixture	42.8	0.0	42.8
Total	Lumens	20739.0	0.0	20739.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1733.1	8.4
10°-20°	4595.3	22.2
20°-30°	5256.1	25.3
30°-40°	4504.3	21.7
40°-50°	2978.4	14.4
50°-60°	1299.7	6.3
60°-70°	255.4	1.2
70°-80°	92.1	0.4
80°-90°	24.5	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°	20739.0	100.0
0°-180°	20739.0	100.0



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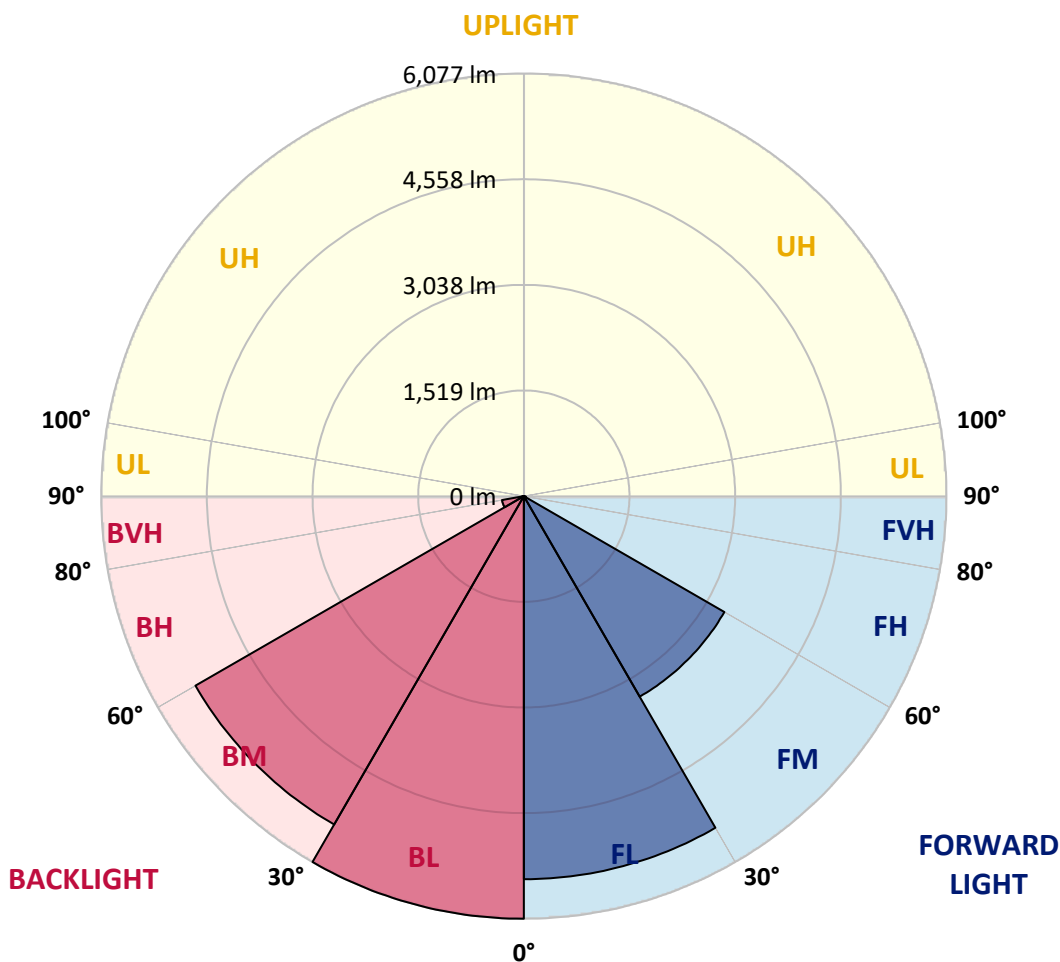
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5507.8	26.6			
FM (30°-60°)	3330.2	16.1			
FH (60°-80°)	28.2	0.1			G0/660
FVH (80°-90°)	4.0	0.0			G0/10
BL (0°-30°)	6076.7	29.3	B5		
BM (30°-60°)	5452.2	26.3	B4/8500		
BH (60°-80°)	319.3	1.5	B1/500		G1/500
BVH (80°-90°)	20.4	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 I Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	18400.7	18400.7	18400.7	18400.7	18400.7	18400.7	18400.7	18400.7	18400.7	18400.7
2.5°	18374.3	18418.4	18250.8	18325.8	18356.6	18317.0	18462.4	18418.4	18453.6	18343.4
5°	18374.3	18418.4	18224.4	18259.7	18268.5	18193.5	18352.2	18299.3	18303.7	18189.1
7.5°	18259.7	18312.6	18136.2	18162.7	18167.1	18105.4	18242.0	18167.1	18140.6	18021.6
10°	17951.1	17981.9	17823.2	17889.4	17951.1	17893.8	18012.8	17929.0	17929.0	17823.2
12.5°	17461.7	17519.0	17342.7	17422.1	17475.0	17408.8	17545.5	17514.6	17519.0	17413.2
15°	16571.2	16372.9	16584.5	16743.2	16747.6	16734.3	16862.2	16831.3	16853.4	16694.7
17.5°	12242.2	12193.7	12440.6	14314.1	15707.2	15896.7	15918.8	15751.3	15676.3	15522.0
20°	11342.9	11378.1	11325.2	11334.0	12431.7	14710.9	14574.2	14159.8	13970.3	13816.0
22.5°	10686.0	10628.7	10593.4	10571.4	10602.2	12087.9	13071.0	12445.0	12343.6	12268.6
25°	9971.8	9945.4	9901.3	9892.5	9874.9	9623.6	11038.7	11096.0	10932.9	10840.3
27.5°	9306.2	9288.5	9240.0	9235.6	9032.8	8424.5	8578.8	9941.0	9896.9	9861.6
30°	8596.4	8561.1	8534.7	8534.7	7921.9	7295.9	7044.6	8666.9	8666.9	8636.1
32.5°	7824.9	7794.1	7802.9	7697.1	6965.3	6392.2	5995.4	7481.1	7944.0	7917.5
35°	4783.1	4774.3	5669.2	6846.3	5986.6	5466.4	5440.0	6401.0	7075.5	7146.0
37.5°	4258.5	4232.1	4245.3	4320.2	5127.0	4919.8	4911.0	5074.1	6021.9	6057.2
40°	3822.1	3804.5	3791.2	3522.3	3266.6	4390.8	4359.9	4254.1	5144.6	5206.3
42.5°	3407.7	3390.1	3390.1	3010.9	2596.6	3610.5	3623.7	3500.3	4337.9	4359.9
45°	2980.1	2966.9	2891.9	2402.6	2283.6	2398.2	3002.1	2861.1	3443.0	3672.2
47.5°	1406.3	1397.5	2023.5	1997.0	1988.2	1917.7	2292.4	2371.7	2733.2	2962.5
50°	1128.6	1119.7	1066.8	939.0	1635.5	1454.8	1653.2	1825.1	1939.7	2151.3
52.5°	934.6	925.8	815.6	723.0	908.1	1062.4	987.5	1221.1	1216.7	1446.0
55°	612.8	568.7	626.0	590.7	476.1	771.5	753.8	925.8	903.7	1102.1
57.5°	13.2	13.2	30.9	335.0	299.8	326.2	432.0	529.0	595.1	652.4
60°	4.4	4.4	8.8	17.6	123.4	136.7	167.5	194.0	273.3	339.4
62.5°	0.0	0.0	4.4	8.8	17.6	70.5	79.4	92.6	127.8	176.3
65°	0.0	0.0	0.0	4.4	8.8	17.6	26.5	57.3	79.4	101.4
67.5°	0.0	0.0	0.0	4.4	4.4	8.8	17.6	26.5	35.3	70.5
70°	0.0	0.0	0.0	4.4	4.4	8.8	13.2	17.6	26.5	35.3
72.5°	0.0	0.0	0.0	4.4	4.4	13.2	8.8	13.2	17.6	22.0
75°	0.0	0.0	0.0	4.4	4.4	4.4	8.8	13.2	13.2	17.6
77.5°	0.0	0.0	0.0	4.4	8.8	8.8	8.8	8.8	8.8	13.2
80°	0.0	0.0	0.0	4.4	4.4	8.8	13.2	17.6	8.8	8.8
82.5°	0.0	0.0	0.0	8.8	4.4	17.6	26.5	22.0	8.8	4.4
85°	0.0	0.0	0.0	4.4	17.6	22.0	22.0	13.2	4.4	4.4
87.5°	0.0	0.0	0.0	4.4	4.4	8.8	13.2	13.2	4.4	4.4
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°
18400.7	0°	18400.7	18400.7	18400.7	18400.7	18400.7	18400.7	18400.7	18400.7	18400.7
18334.6	2.5°	18233.2	18405.1	18559.4	18462.4	18427.2	18356.6	18303.7	18246.4	18242.0
18175.9	5°	18074.5	18237.6	18387.5	18272.9	18281.7	18246.4	18211.2	18197.9	18206.8
18012.8	7.5°	17937.8	18074.5	18237.6	18140.6	18167.1	18145.0	18127.4	18101.0	18140.6
17801.2	10°	17730.6	17854.1	18043.6	17951.1	17937.8	17915.8	17898.2	17849.7	17871.7
17417.7	12.5°	17276.6	17430.9	17646.9	17541.1	17576.4	17514.6	17488.2	17457.3	17461.7
16752.0	15°	16659.4	16778.4	16998.9	16915.1	16941.5	16901.9	16901.9	16901.9	16932.7
15544.1	17.5°	15583.8	15826.2	16174.5	16068.7	16108.4	16117.2	16108.4	16139.2	16178.9
13824.8	20°	13833.6	14248.0	14882.8	15090.0	15173.8	15178.2	15116.5	15191.4	15270.8
12215.7	22.5°	12224.5	12661.0	13220.8	13789.5	14142.2	14124.6	14133.4	14181.9	14265.6
10783.0	25°	10831.5	11250.3	11757.2	12264.2	13035.7	13194.4	13198.8	13242.9	13309.0
9804.3	27.5°	9826.4	9989.5	10452.4	10963.7	11792.5	12299.5	12273.0	12312.7	12383.2
8578.8	30°	8614.0	9240.0	9345.8	9658.8	10373.0	11303.2	11307.6	11351.7	11422.2
7855.8	32.5°	7833.8	8248.1	8574.4	8583.2	9191.5	10148.2	10337.7	10381.8	10430.3
7106.4	35°	7102.0	7150.5	7591.3	7714.7	8067.4	9015.2	9350.3	9376.7	9456.1
6043.9	37.5°	6145.3	6431.9	6555.3	6996.2	7013.8	7780.9	8446.5	8420.1	8481.8
5201.9	40°	5268.1	5541.4	5854.4	6176.2	6220.3	6793.4	7529.6	7556.0	7582.5
4315.8	42.5°	4351.1	4699.4	5021.2	5237.2	5537.0	5867.6	6568.5	6692.0	6753.7
3698.7	45°	3764.8	3861.8	4245.3	4562.7	4866.9	5021.2	5678.0	5902.9	5942.5
2927.2	47.5°	2966.9	3293.1	3553.2	3822.1	4201.2	4337.9	4814.0	5127.0	5157.8
2173.3	50°	2292.4	2526.0	2883.1	3125.6	3566.4	3641.4	3967.6	4373.1	4412.8
1454.8	52.5°	1639.9	1957.3	2305.6	2539.2	2962.5	3059.4	3301.9	3689.8	3716.3
1115.3	55°	1177.0	1384.2	1670.8	2005.8	2314.4	2530.4	2698.0	3068.3	3103.5
731.8	57.5°	802.3	996.3	1115.3	1450.4	1635.5	1869.2	2005.8	2288.0	2314.4
348.3	60°	383.5	476.1	568.7	736.2	855.2	1053.6	1141.8	1256.4	1287.3
211.6	62.5°	246.9	291.0	370.3	440.8	555.5	678.9	714.2	811.1	846.4
132.3	65°	163.1	207.2	291.0	308.6	423.2	520.2	564.3	634.8	674.5
79.4	67.5°	92.6	145.5	216.0	255.7	335.0	427.6	476.1	537.8	573.1
52.9	70°	61.7	119.0	171.9	211.6	264.5	343.9	405.6	458.5	480.5
26.5	72.5°	35.3	74.9	119.0	167.5	211.6	286.5	343.9	387.9	255.7
17.6	75°	22.0	57.3	101.4	141.1	176.3	229.2	277.7	273.3	114.6
13.2	77.5°	17.6	44.1	88.2	119.0	145.5	158.7	198.4	224.8	88.2
8.8	80°	13.2	35.3	79.4	101.4	57.3	114.6	154.3	167.5	61.7
8.8	82.5°	8.8	22.0	66.1	70.5	39.7	83.8	123.4	110.2	44.1
4.4	85°	4.4	13.2	22.0	39.7	35.3	39.7	30.9	44.1	30.9
4.4	87.5°	4.4	8.8	17.6	17.6	17.6	13.2	17.6	17.6	17.6
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



180°

18400.7
18347.8
18317.0
18250.8
17977.5
17589.6
16946.0
16311.1
15323.7
14278.9
13423.6
12449.4
11545.6
10540.5
9539.8
8556.7
7666.2
6841.9
6039.5
5232.8
4470.1
3764.8
3134.4
2367.3
1322.5
855.2
674.5
568.7
476.1
207.2
114.6
88.2
66.1
44.1
30.9
17.6
0.0

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