

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: P636907

Luminaire Tested: **IFLD-L-SA8A-930-U-LAM-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636907
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8A-930-U-LAM-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/
Lambertian distribution lens and Visor
Light Source: (128) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16158.8 lumens
Efficiency: N/A
Efficacy: 65.2 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G2

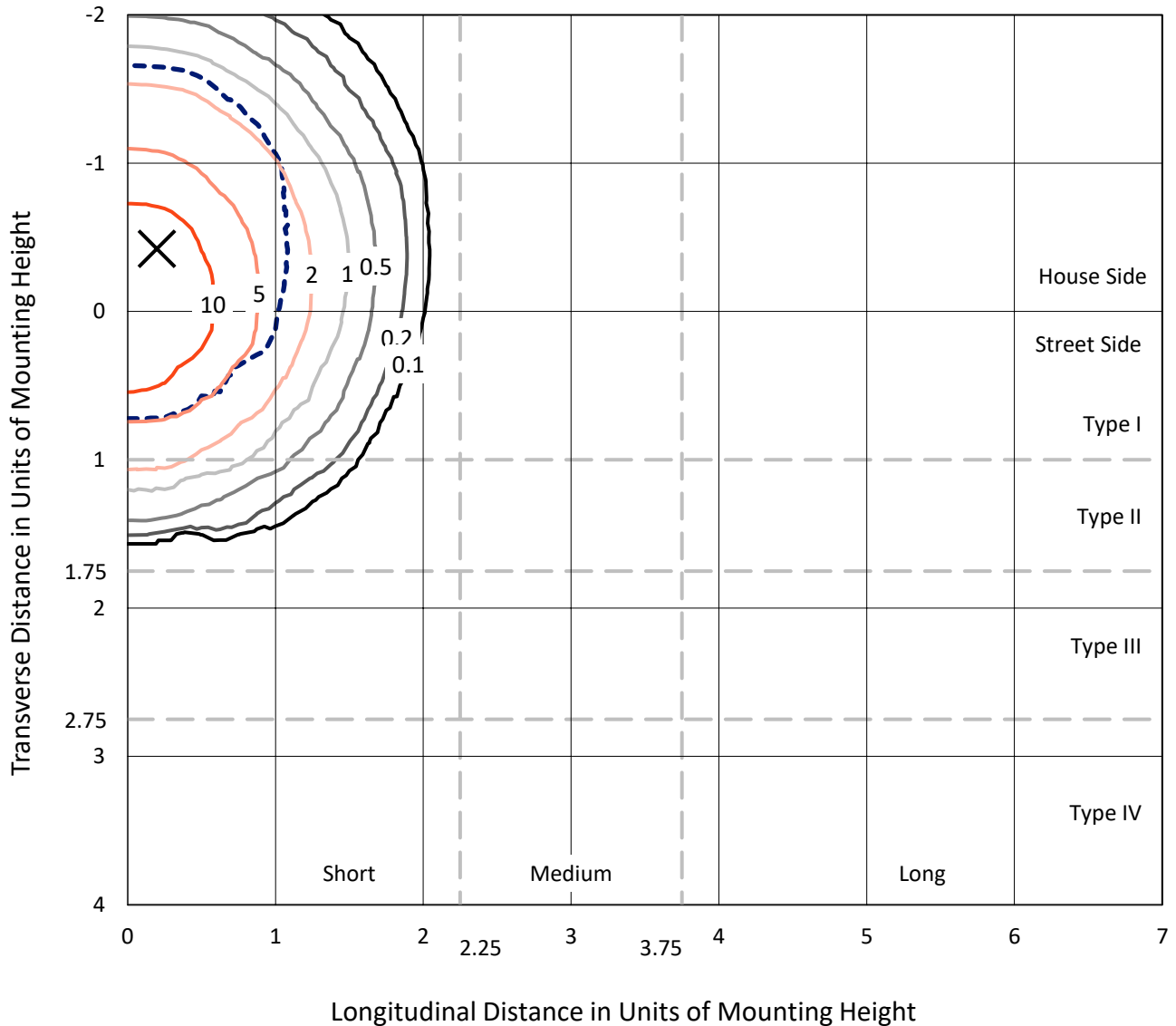
Input Watts (W): 247.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

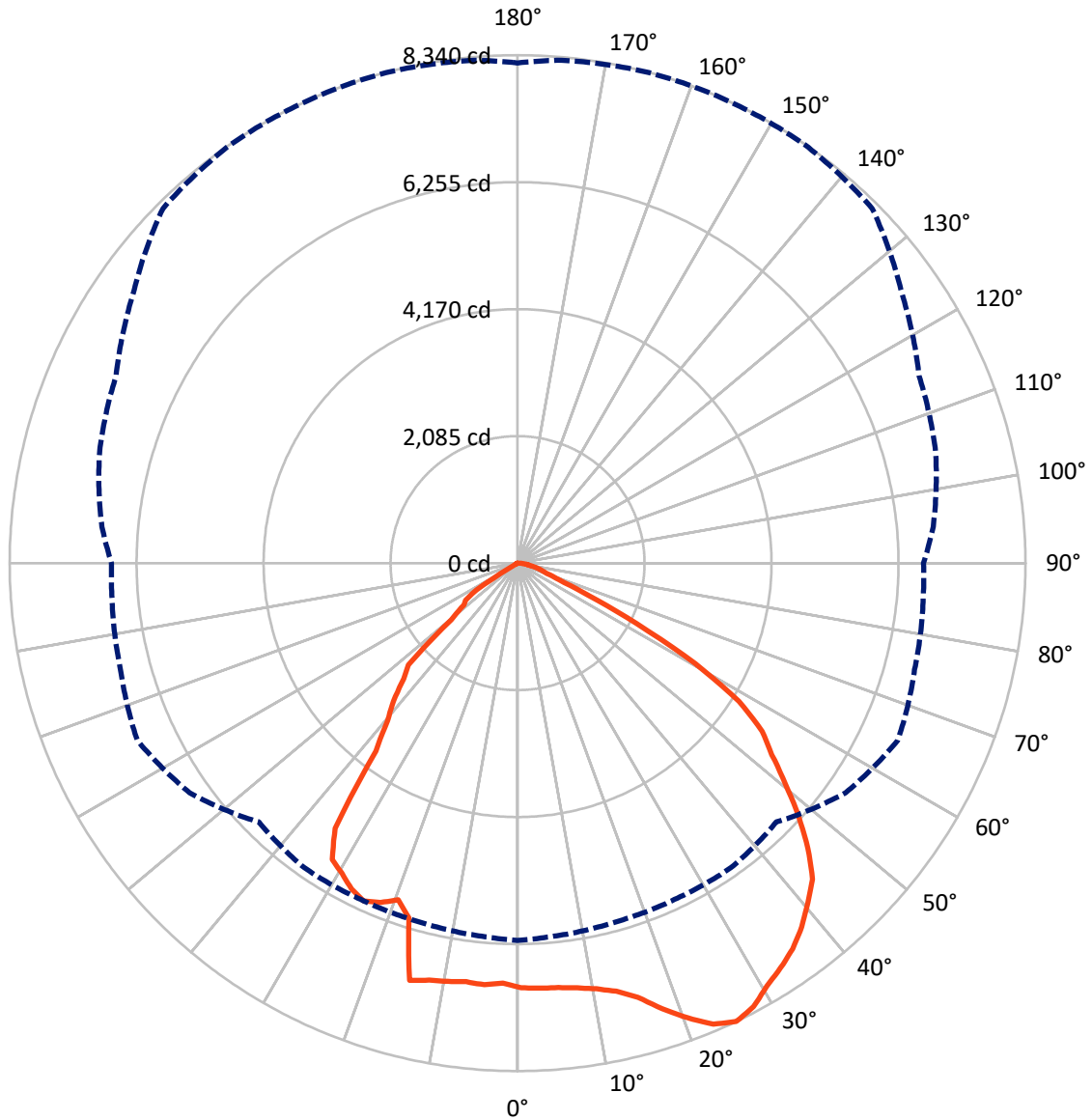
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 17.4 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 155-Deg Lateral - - - Horizontal Cone Through 25-Deg Vertical

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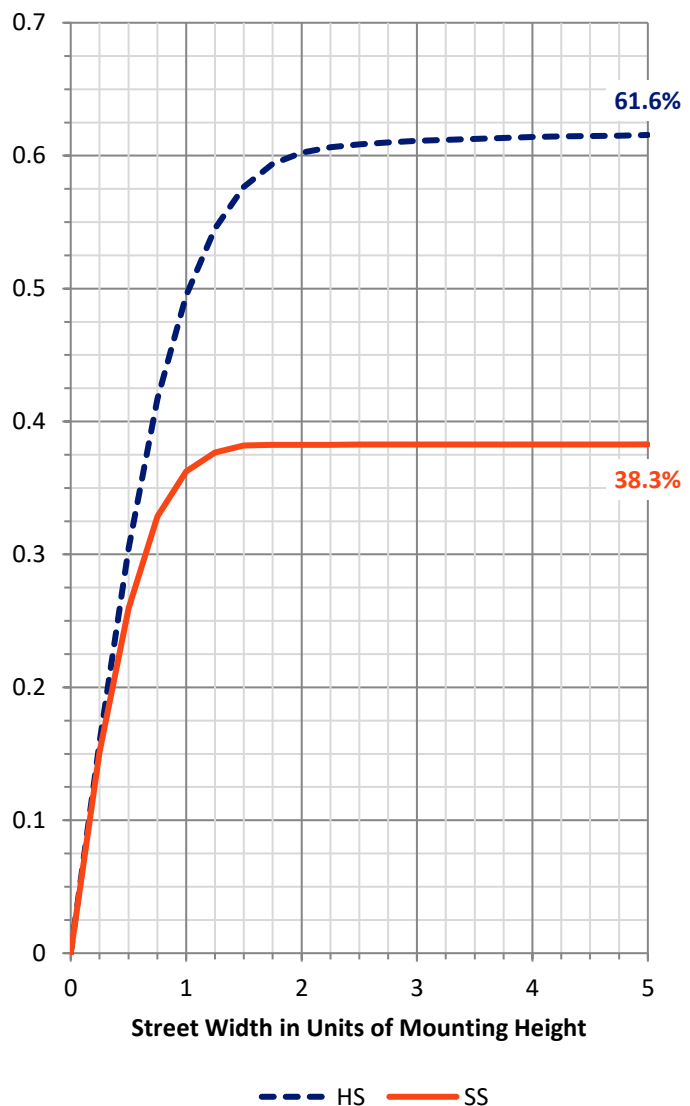
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10003.9	0.0	10003.9
	% Fixture	61.9	0.0	61.9
Street Side	Lumens	6154.8	0.0	6154.8
	% Fixture	38.1	0.0	38.1
Total	Lumens	16158.8	0.0	16158.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	668.9	4.1
10°-20°	2042.4	12.6
20°-30°	3229.0	20.0
30°-40°	3647.4	22.6
40°-50°	3415.9	21.1
50°-60°	2355.0	14.6
60°-70°	632.7	3.9
70°-80°	131.8	0.8
80°-90°	35.7	0.2
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°	16158.8	100.0
0°-180°	16158.8	100.0



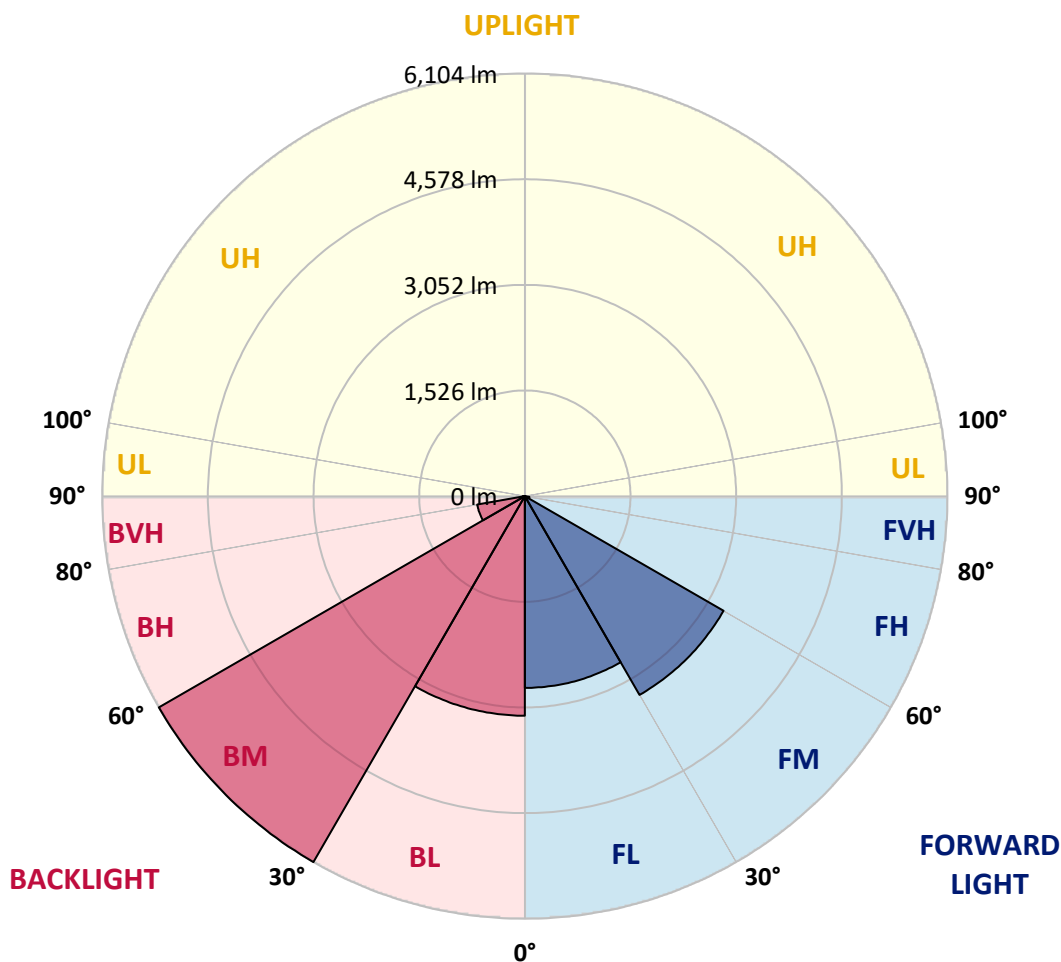
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2769.1	17.1			
FM (30°-60°)	3314.5	20.5			
FH (60°-80°)	66.4	0.4			G0/660
FVH (80°-90°)	4.8	0.0			G0/10
BL (0°-30°)	3171.2	19.6	B4/5000		
BM (30°-60°)	6103.7	37.8	B4/8500		
BH (60°-80°)	698.1	4.3	B2/1000		G2/1000
BVH (80°-90°)	30.9	0.2			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°	6972.2	6972.2	6972.2	6972.2	6972.2	6972.2	6972.2	6972.2	6972.2	6972.2
2.5°	7003.1	6958.0	6915.2	6901.0	6960.4	7024.5	6984.1	6986.5	6972.2	6998.3
5°	7055.3	6993.6	6965.1	6943.7	6953.2	7019.7	6962.7	6984.1	6960.4	6991.2
7.5°	7036.3	6993.6	6965.1	6924.7	6955.6	7034.0	6979.4	6981.7	6969.9	6998.3
10°	7024.5	6993.6	6958.0	6962.7	6998.3	7064.8	7022.1	7045.8	7029.2	7045.8
12.5°	7053.0	7019.7	7000.7	7000.7	7031.6	7107.6	7086.2	7107.6	7100.5	7114.7
15°	6784.6	6815.5	6996.0	7076.7	7138.5	7214.5	7205.0	7226.3	7231.1	7252.4
17.5°	5723.1	5692.2	5678.0	6093.6	7197.8	7432.9	7425.8	7423.4	7399.7	7383.1
20°	5863.2	5851.4	5834.7	5865.6	5989.1	7546.9	7594.4	7302.3	7216.8	7209.7
22.5°	6086.5	6067.5	6005.7	6008.1	6046.1	6561.4	7359.3	7093.3	7064.8	7048.2
25°	6195.7	6157.7	6107.8	6093.6	6105.4	6010.5	6573.3	6889.1	6749.0	6684.9
27.5°	6003.3	6005.7	5965.3	6003.3	5958.2	5530.8	5290.9	6490.2	6485.4	6456.9
30°	5858.5	5851.4	5803.9	5851.4	5540.3	5062.9	4960.8	6053.2	6003.3	5965.3
32.5°	5414.4	5419.1	5556.9	5742.1	5231.5	4854.0	4545.2	5407.3	5879.8	5858.5
35°	3873.2	3882.7	4371.9	5286.2	4763.7	4438.4	4414.6	4673.5	5685.1	5694.6
37.5°	3728.3	3728.3	3716.5	3866.1	4395.6	4269.8	4317.3	4291.1	5207.8	5231.5
40°	3623.8	3602.5	3585.9	3350.8	3056.3	4151.0	4184.3	4065.5	4922.8	4927.6
42.5°	3498.0	3474.2	3479.0	3044.4	2735.7	3856.6	3764.0	3604.9	4447.9	4452.6
45°	3267.6	3308.0	3336.5	2664.5	2640.7	2754.7	3471.9	3372.1	4127.3	4215.2
47.5°	1662.3	1697.9	2605.1	2450.7	2505.3	2448.4	2932.8	2935.2	3433.9	3726.0
50°	1508.0	1498.5	1500.8	1429.6	2313.0	1980.5	2120.6	2690.6	2749.9	3167.9
52.5°	1405.8	1403.5	1258.6	1118.5	1453.3	1743.1	1538.8	1947.3	2044.6	2683.5
55°	1040.1	1116.1	992.6	1052.0	909.5	1396.3	1389.2	1757.3	1790.6	2151.5
57.5°	9.5	11.9	28.5	800.3	629.3	698.2	959.4	1199.2	1258.6	1676.6
60°	2.4	4.7	11.9	23.7	408.5	429.8	641.2	693.4	781.3	999.8
62.5°	0.0	0.0	4.7	11.9	21.4	175.7	204.2	223.2	344.3	510.6
65°	0.0	0.0	2.4	7.1	11.9	28.5	49.9	104.5	149.6	185.2
67.5°	0.0	0.0	2.4	4.7	9.5	14.2	28.5	40.4	64.1	109.2
70°	0.0	0.0	2.4	4.7	7.1	11.9	19.0	28.5	38.0	54.6
72.5°	0.0	0.0	2.4	4.7	4.7	14.2	14.2	21.4	28.5	35.6
75°	0.0	0.0	2.4	2.4	4.7	9.5	14.2	16.6	19.0	28.5
77.5°	0.0	0.0	2.4	4.7	7.1	9.5	11.9	19.0	16.6	16.6
80°	0.0	0.0	2.4	7.1	7.1	11.9	14.2	19.0	11.9	11.9
82.5°	0.0	0.0	2.4	9.5	7.1	23.7	23.7	26.1	9.5	9.5
85°	0.0	0.0	7.1	4.7	14.2	23.7	21.4	14.2	11.9	7.1
87.5°	0.0	0.0	2.4	2.4	4.7	7.1	16.6	14.2	4.7	4.7
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°
6972.2	0°	6972.2	6972.2	6972.2	6972.2	6972.2	6972.2	6972.2	6972.2	6972.2
6929.5	2.5°	7024.5	6993.6	7057.7	7050.6	7019.7	7005.5	6988.9	6974.6	6870.1
6934.2	5°	7026.8	6979.4	7057.7	7043.5	7038.7	7015.0	7000.7	7022.1	6927.1
6953.2	7.5°	7026.8	6979.4	7064.8	7069.6	7062.5	7043.5	7041.1	7055.3	6977.0
6986.5	10°	7074.3	7055.3	7126.6	7133.7	7124.2	7119.5	7107.6	7098.1	7015.0
7100.5	12.5°	7174.1	7136.1	7216.8	7238.2	7231.1	7242.9	7214.5	7228.7	7143.2
7216.8	15°	7295.2	7297.6	7359.3	7406.8	7402.1	7440.1	7397.3	7435.3	7373.6
7349.8	17.5°	7480.4	7506.5	7594.4	7665.7	7691.8	7720.3	7691.8	7703.6	7615.8
7202.6	20°	7285.7	7383.1	7805.8	7936.4	7991.0	8017.1	7969.6	7983.9	7896.0
7022.1	22.5°	7110.0	7235.8	7611.0	8019.5	8188.1	8240.3	8223.7	8221.3	8188.1
6665.9	25°	6851.1	7105.2	7273.8	7706.0	8235.6	8330.6	8340.1	8337.7	8287.8
6447.4	27.5°	6532.9	6589.9	7026.8	7290.4	7903.1	8264.1	8249.8	8181.0	8114.5
5993.8	30°	6126.8	6385.7	6582.8	7003.1	7473.3	8059.9	8059.9	8007.6	7938.7
5832.4	32.5°	5920.2	6255.1	6437.9	6589.9	6991.2	7831.9	7926.9	7872.3	7817.6
5706.5	35°	5811.0	5860.9	6288.3	6426.0	6765.6	7392.6	7777.3	7722.6	7682.3
5371.7	37.5°	5571.1	5687.5	5887.0	6255.1	6359.5	7034.0	7577.8	7549.3	7501.8
4937.1	40°	5036.8	5347.9	5654.2	6003.3	6112.6	6573.3	7335.6	7347.4	7283.3
4474.0	42.5°	4721.0	4932.3	5412.0	5647.1	5941.6	6276.4	7100.5	7119.5	7074.3
4238.9	45°	4350.5	4585.6	4922.8	5350.3	5751.6	5868.0	6684.9	6884.4	6846.4
3771.1	47.5°	4010.9	4200.9	4614.1	5046.3	5490.4	5473.8	6207.6	6582.8	6530.5
3412.5	50°	3528.9	3861.3	4056.1	4452.6	5115.2	5160.3	5699.4	6228.9	6186.2
2899.6	52.5°	2975.5	3393.5	3766.3	4129.7	4735.2	4842.1	5226.8	5868.0	5839.5
2215.6	55°	2600.3	2904.3	3324.6	3616.7	4274.5	4559.5	4873.0	5523.6	5509.4
1821.4	57.5°	1849.9	2436.5	2783.2	3191.6	3538.4	4053.7	4286.4	4823.1	4690.1
1009.3	60°	1253.9	1529.3	1952.0	2391.4	2624.1	3139.4	3355.5	3785.3	3749.7
603.2	62.5°	662.6	916.6	1218.2	1439.1	1607.7	2108.8	2199.0	2662.1	2650.2
242.2	65°	292.1	387.1	660.2	774.2	947.5	1180.2	1258.6	1424.8	1384.5
118.7	67.5°	152.0	230.3	372.8	458.3	577.1	664.9	729.0	781.3	814.5
78.4	70°	92.6	168.6	230.3	318.2	396.6	467.8	517.7	588.9	631.7
40.4	72.5°	68.9	106.9	159.1	244.6	287.3	370.5	420.3	472.6	510.6
33.2	75°	38.0	71.2	128.2	192.4	230.3	301.6	346.7	382.3	394.2
19.0	77.5°	23.7	54.6	106.9	149.6	180.5	244.6	232.7	266.0	294.5
14.2	80°	16.6	40.4	83.1	123.5	125.9	156.7	185.2	213.7	232.7
9.5	82.5°	11.9	33.2	61.7	95.0	83.1	121.1	144.9	166.2	121.1
7.1	85°	9.5	23.7	30.9	57.0	47.5	85.5	73.6	71.2	47.5
4.7	87.5°	7.1	11.9	21.4	26.1	19.0	19.0	23.7	28.5	23.7
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



180°
6972.2
6798.9
6846.4
6886.7
6946.1
7067.2
7271.4
7539.8
7834.3
8081.2
8211.8
8062.2
7912.6
7772.5
7625.3
7454.3
7269.1
7069.6
6851.1
6568.5
6193.3
5858.5
5526.0
4675.9
3752.1
2652.6
1367.8
814.5
634.1
517.7
387.1
299.2
235.1
87.9
47.5
23.7
0.0

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