

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: P636636

Luminaire Tested: **IFLD-M-SA4A-935-U-66-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P636636  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-M-SA4A-935-U-66-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 6 distribution lens and Visor  
Light Source: (64) 3500K CCT, 90 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9763.4 lumens  
Efficiency: N/A  
Efficacy: 75.9 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 0.5' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B4 - U0 - G1

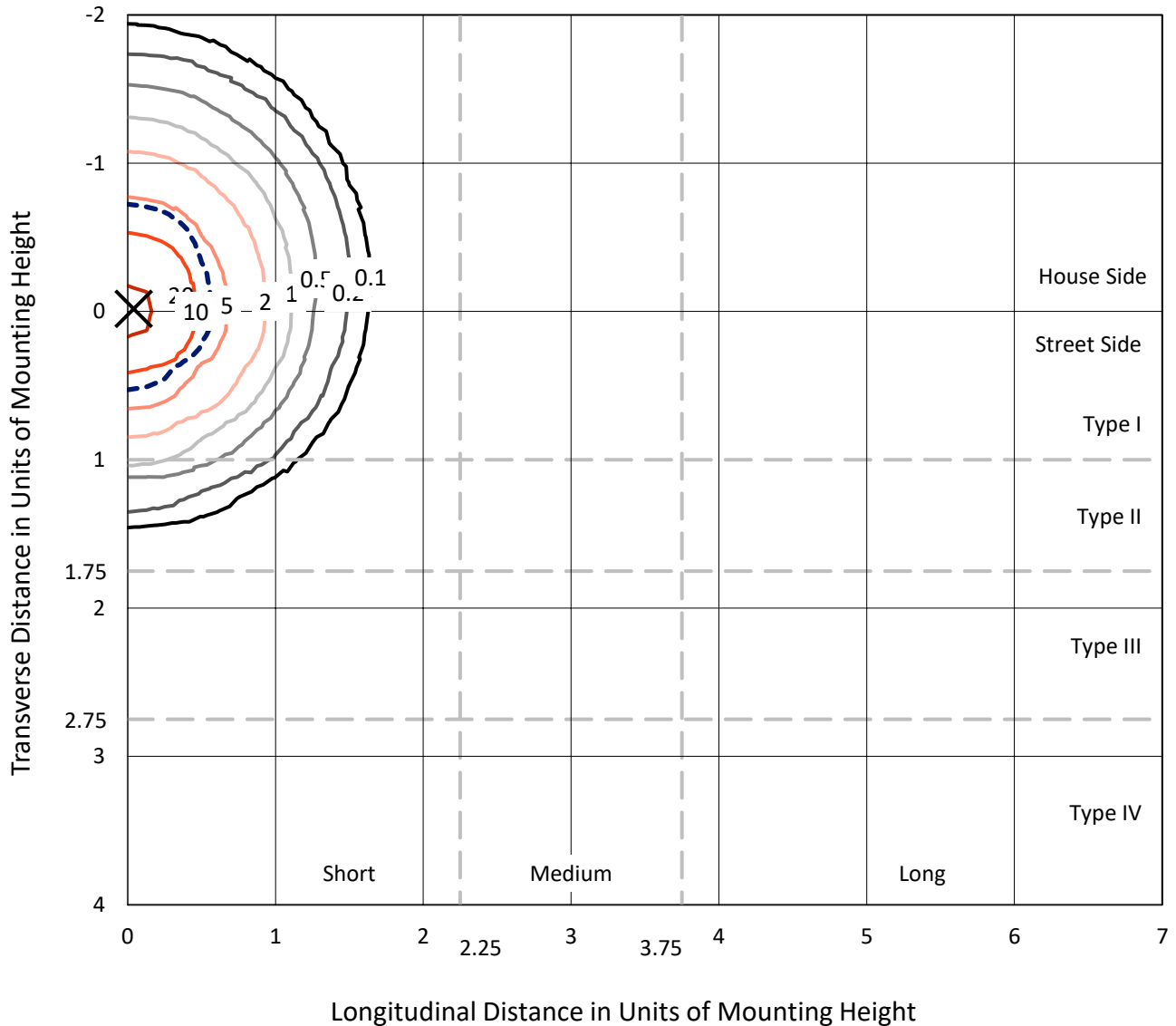
Input Watts (W): 128.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

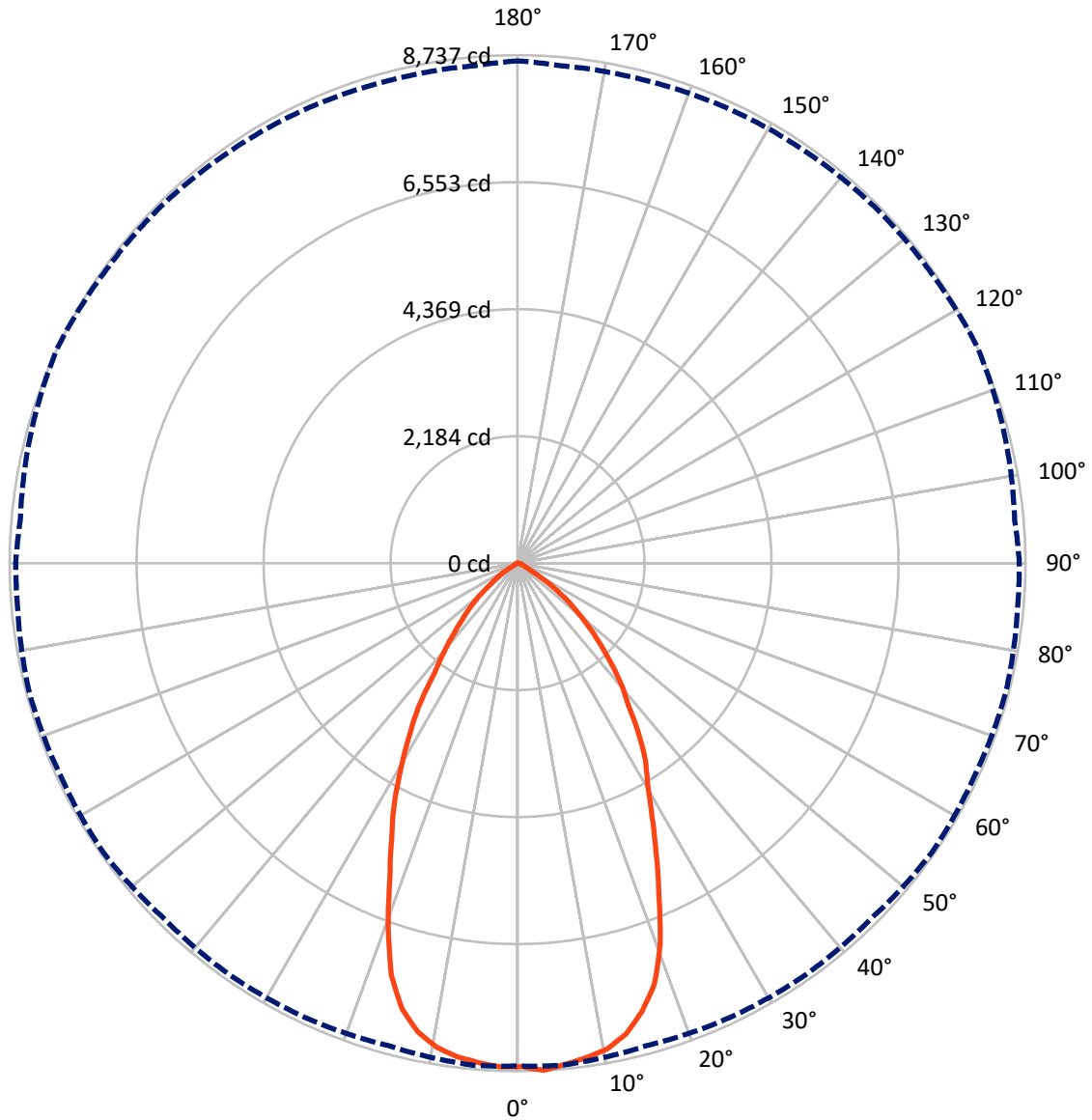
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 21.7 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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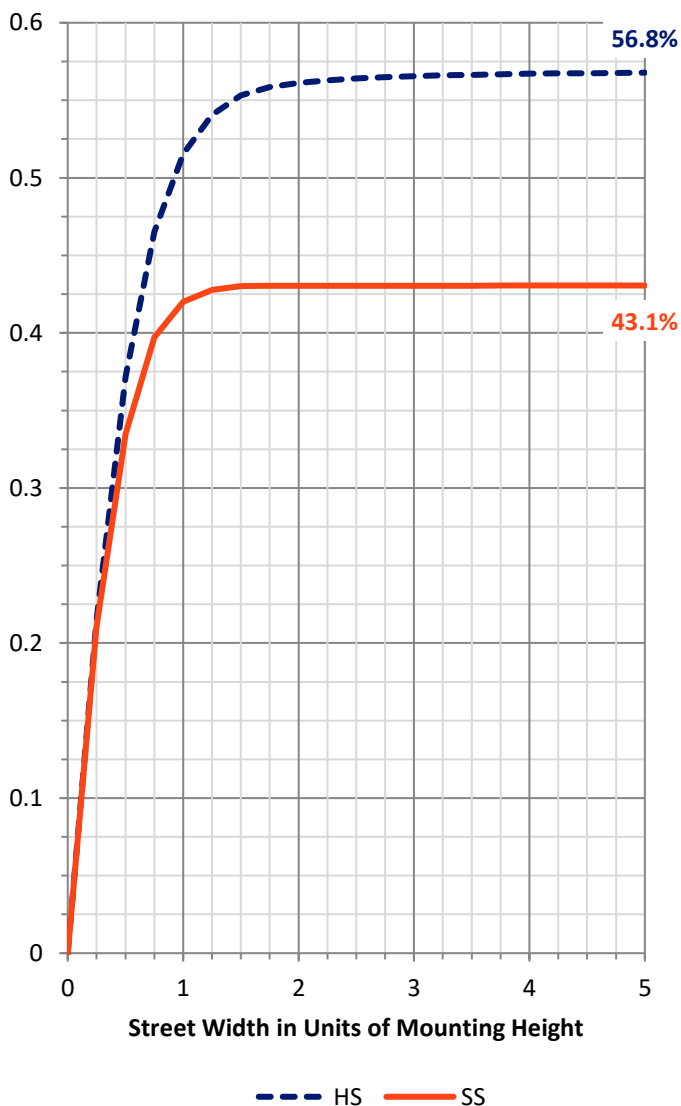
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5587.5	0.0	5587.5
	% Fixture	57.2	0.0	57.2
<b>Street Side</b>	Lumens	4175.9	0.0	4175.9
	% Fixture	42.8	0.0	42.8
<b>Total</b>	Lumens	9763.4	0.0	9763.4
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	815.9	8.4
10°-20°	2163.4	22.2
20°-30°	2474.4	25.3
30°-40°	2120.5	21.7
40°-50°	1402.2	14.4
50°-60°	611.8	6.3
60°-70°	120.2	1.2
70°-80°	43.4	0.4
80°-90°	11.5	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°	9763.4	100.0
0°-180°	9763.4	100.0



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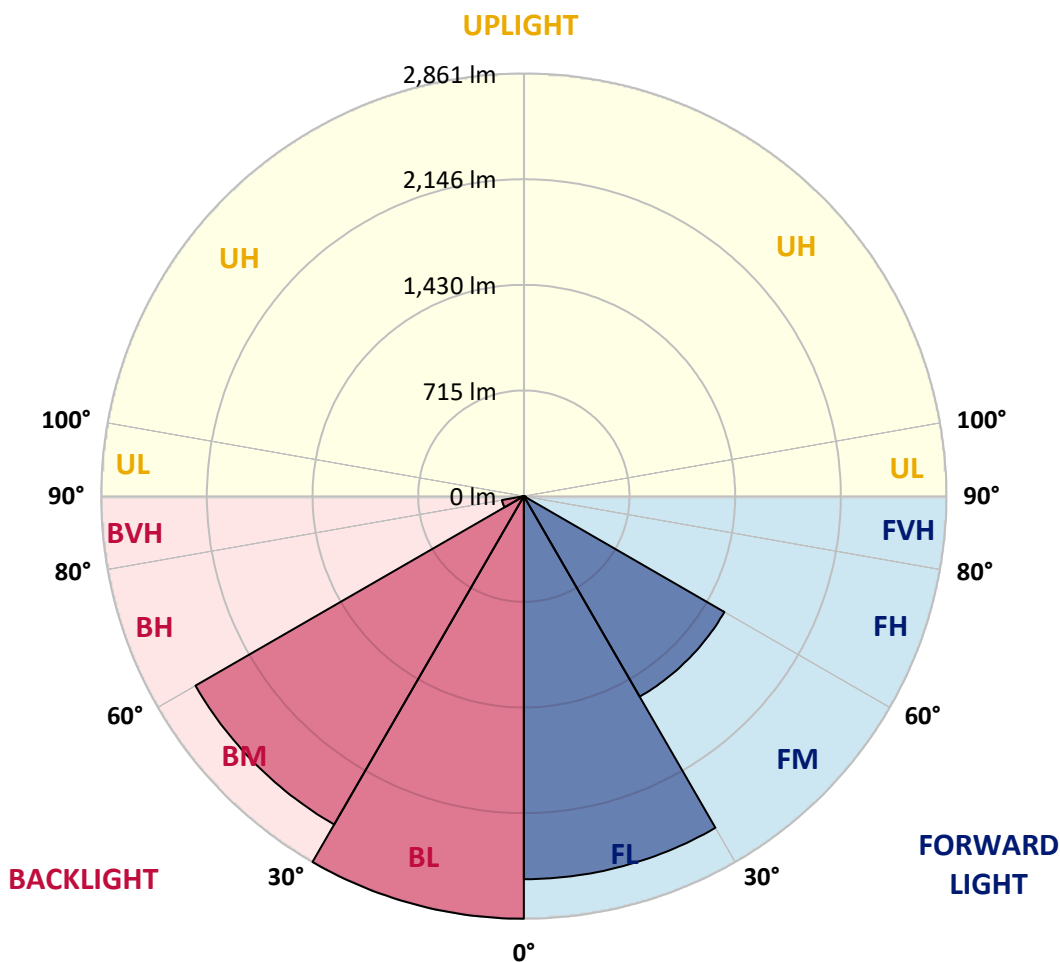
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2592.9	26.6			
FM (30°-60°)	1567.8	16.1			
FH (60°-80°)	13.3	0.1			G0/660
FVH (80°-90°)	1.9	0.0			G0/10
BL (0°-30°)	2860.8	29.3	B4/5000		
BM (30°-60°)	2566.8	26.3	B3/5000		
BH (60°-80°)	150.3	1.5	B1/500		G1/500
BVH (80°-90°)	9.6	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G1**

Type I Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	8662.6	8662.6	8662.6	8662.6	8662.6	8662.6	8662.6	8662.6	8662.6	8662.6
2.5°	8650.1	8670.9	8592.0	8627.3	8641.8	8623.2	8691.6	8670.9	8687.5	8635.6
5°	8650.1	8670.9	8579.6	8596.2	8600.3	8565.0	8639.8	8614.9	8616.9	8563.0
7.5°	8596.2	8621.1	8538.1	8550.5	8552.6	8523.5	8587.9	8552.6	8540.1	8484.1
10°	8450.9	8465.4	8390.7	8421.8	8450.9	8423.9	8480.0	8440.5	8440.5	8390.7
12.5°	8220.5	8247.5	8164.5	8201.9	8226.8	8195.6	8260.0	8245.4	8247.5	8197.7
15°	7801.3	7707.9	7807.5	7882.3	7884.3	7878.1	7938.3	7923.8	7934.1	7859.4
17.5°	5763.3	5740.5	5856.7	6738.7	7394.5	7483.8	7494.2	7415.3	7380.0	7307.4
20°	5339.9	5356.5	5331.6	5335.8	5852.5	6925.5	6861.2	6666.1	6576.8	6504.2
22.5°	5030.7	5003.7	4987.1	4976.7	4991.3	5690.7	6153.5	5858.8	5811.0	5775.8
25°	4694.5	4682.0	4661.3	4657.1	4648.8	4530.5	5196.7	5223.7	5146.9	5103.3
27.5°	4381.1	4372.8	4350.0	4347.9	4252.4	3966.0	4038.7	4680.0	4659.2	4642.6
30°	4047.0	4030.4	4017.9	4017.9	3729.4	3434.7	3316.4	4080.2	4080.2	4065.6
32.5°	3683.8	3669.3	3673.4	3623.6	3279.1	3009.3	2822.5	3521.9	3739.8	3727.4
35°	2251.8	2247.6	2668.9	3223.0	2818.4	2573.5	2561.0	3013.4	3331.0	3364.2
37.5°	2004.8	1992.4	1998.6	2033.9	2413.7	2316.1	2312.0	2388.7	2835.0	2851.6
40°	1799.3	1791.0	1784.8	1658.2	1537.8	2067.1	2052.5	2002.7	2422.0	2451.0
42.5°	1604.3	1596.0	1596.0	1417.5	1222.4	1699.7	1706.0	1647.8	2042.2	2052.5
45°	1402.9	1396.7	1361.4	1131.1	1075.0	1129.0	1413.3	1346.9	1620.9	1728.8
47.5°	662.0	657.9	952.6	940.1	936.0	902.8	1079.2	1116.5	1286.7	1394.6
50°	531.3	527.1	502.2	442.1	770.0	684.9	778.3	859.2	913.2	1012.8
52.5°	440.0	435.8	383.9	340.4	427.5	500.2	464.9	574.9	572.8	680.7
55°	288.5	267.7	294.7	278.1	224.1	363.2	354.9	435.8	425.5	518.8
57.5°	6.2	6.2	14.5	157.7	141.1	153.6	203.4	249.0	280.2	307.2
60°	2.1	2.1	4.2	8.3	58.1	64.3	78.9	91.3	128.7	159.8
62.5°	0.0	0.0	2.1	4.2	8.3	33.2	37.4	43.6	60.2	83.0
65°	0.0	0.0	0.0	2.1	4.2	8.3	12.5	27.0	37.4	47.7
67.5°	0.0	0.0	0.0	2.1	2.1	4.2	8.3	12.5	16.6	33.2
70°	0.0	0.0	0.0	2.1	2.1	4.2	6.2	8.3	12.5	16.6
72.5°	0.0	0.0	0.0	2.1	2.1	6.2	4.2	6.2	8.3	10.4
75°	0.0	0.0	0.0	2.1	2.1	2.1	4.2	6.2	6.2	8.3
77.5°	0.0	0.0	0.0	2.1	4.2	4.2	4.2	4.2	4.2	6.2
80°	0.0	0.0	0.0	2.1	2.1	4.2	6.2	8.3	4.2	4.2
82.5°	0.0	0.0	0.0	4.2	2.1	8.3	12.5	10.4	4.2	2.1
85°	0.0	0.0	0.0	2.1	8.3	10.4	10.4	6.2	2.1	2.1
87.5°	0.0	0.0	0.0	2.1	2.1	4.2	6.2	6.2	2.1	2.1
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°
8662.6	0°	8662.6	8662.6	8662.6	8662.6	8662.6	8662.6	8662.6	8662.6	8662.6
8631.5	2.5°	8583.7	8664.7	8737.3	8691.6	8675.0	8641.8	8616.9	8590.0	8587.9
8556.7	5°	8509.0	8585.8	8656.4	8602.4	8606.6	8590.0	8573.3	8567.1	8571.3
8480.0	7.5°	8444.7	8509.0	8585.8	8540.1	8552.6	8542.2	8533.9	8521.5	8540.1
8380.3	10°	8347.1	8405.2	8494.5	8450.9	8444.7	8434.3	8426.0	8403.2	8413.5
8199.8	12.5°	8133.4	8206.0	8307.7	8257.9	8274.5	8245.4	8233.0	8218.5	8220.5
7886.4	15°	7842.8	7898.9	8002.6	7963.2	7975.6	7957.0	7957.0	7957.0	7971.5
7317.8	17.5°	7336.4	7450.6	7614.5	7564.7	7583.4	7587.5	7583.4	7597.9	7616.6
6508.4	20°	6512.5	6707.6	7006.4	7104.0	7143.4	7145.5	7116.4	7151.7	7189.1
5750.8	22.5°	5755.0	5960.5	6224.0	6491.8	6657.8	6649.5	6653.6	6676.5	6715.9
5076.4	25°	5099.2	5296.3	5535.0	5773.7	6136.9	6211.6	6213.7	6234.4	6265.5
4615.6	27.5°	4626.0	4702.8	4920.7	5161.4	5551.6	5790.3	5777.8	5796.5	5829.7
4038.7	30°	4055.3	4350.0	4399.8	4547.1	4883.3	5321.2	5323.3	5344.1	5377.3
3698.3	32.5°	3687.9	3883.0	4036.6	4040.7	4327.1	4777.5	4866.7	4887.5	4910.3
3345.5	35°	3343.4	3366.2	3573.8	3631.9	3797.9	4244.1	4401.9	4414.3	4451.7
2845.3	37.5°	2893.1	3028.0	3086.1	3293.6	3301.9	3663.0	3976.4	3964.0	3993.0
2448.9	40°	2480.1	2608.7	2756.1	2907.6	2928.3	3198.1	3544.7	3557.2	3569.6
2031.8	42.5°	2048.4	2212.3	2363.8	2465.5	2606.7	2762.3	3092.3	3150.4	3179.5
1741.2	45°	1772.4	1818.0	1998.6	2148.0	2291.2	2363.8	2673.1	2778.9	2797.6
1378.0	47.5°	1396.7	1550.3	1672.7	1799.3	1977.8	2042.2	2266.3	2413.7	2428.2
1023.2	50°	1079.2	1189.2	1357.3	1471.4	1679.0	1714.3	1867.8	2058.8	2077.4
684.9	52.5°	772.0	921.5	1085.4	1195.4	1394.6	1440.3	1554.5	1737.1	1749.5
525.1	55°	554.1	651.7	786.6	944.3	1089.6	1191.3	1270.1	1444.5	1461.1
344.5	57.5°	377.7	469.0	525.1	682.8	770.0	880.0	944.3	1077.1	1089.6
164.0	60°	180.6	224.1	267.7	346.6	402.6	496.0	537.5	591.5	606.0
99.6	62.5°	116.2	137.0	174.3	207.5	261.5	319.6	336.2	381.9	398.5
62.3	65°	76.8	97.5	137.0	145.3	199.2	244.9	265.6	298.9	317.5
37.4	67.5°	43.6	68.5	101.7	120.4	157.7	201.3	224.1	253.2	269.8
24.9	70°	29.1	56.0	80.9	99.6	124.5	161.9	190.9	215.8	226.2
12.5	72.5°	16.6	35.3	56.0	78.9	99.6	134.9	161.9	182.6	120.4
8.3	75°	10.4	27.0	47.7	66.4	83.0	107.9	130.7	128.7	54.0
6.2	77.5°	8.3	20.8	41.5	56.0	68.5	74.7	93.4	105.8	41.5
4.2	80°	6.2	16.6	37.4	47.7	27.0	54.0	72.6	78.9	29.1
4.2	82.5°	4.2	10.4	31.1	33.2	18.7	39.4	58.1	51.9	20.8
2.1	85°	2.1	6.2	10.4	18.7	16.6	18.7	14.5	20.8	14.5
2.1	87.5°	2.1	4.2	8.3	8.3	8.3	6.2	8.3	8.3	8.3
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





180°
8662.6
8637.7
8623.2
8592.0
8463.4
8280.7
7977.7
7678.9
7214.0
6722.1
6319.5
5860.8
5435.4
4962.2
4491.1
4028.3
3609.1
3221.0
2843.3
2463.5
2104.4
1772.4
1475.6
1114.5
622.6
402.6
317.5
267.7
224.1
97.5
54.0
41.5
31.1
20.8
14.5
8.3
0.0

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