

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: P637012

Luminaire Tested: **IFLD-S-SA6E-722-U-33-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P637012
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6E-722-U-33-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 3 distribution lens and Visor
Light Source: (96) 2200K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 38760.6 lumens
Efficiency: N/A
Efficacy: 83.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

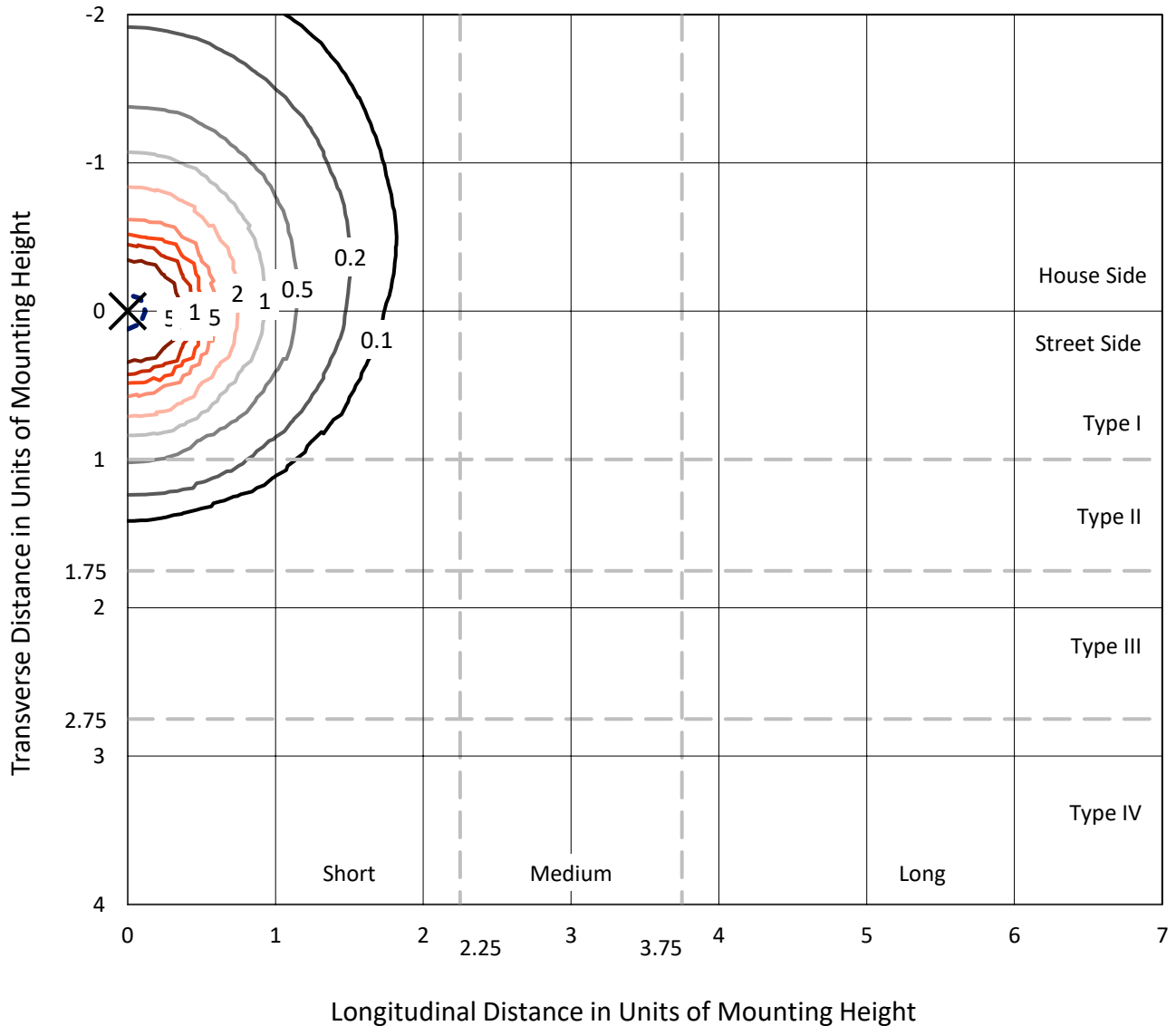
Input Watts (W): 464.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

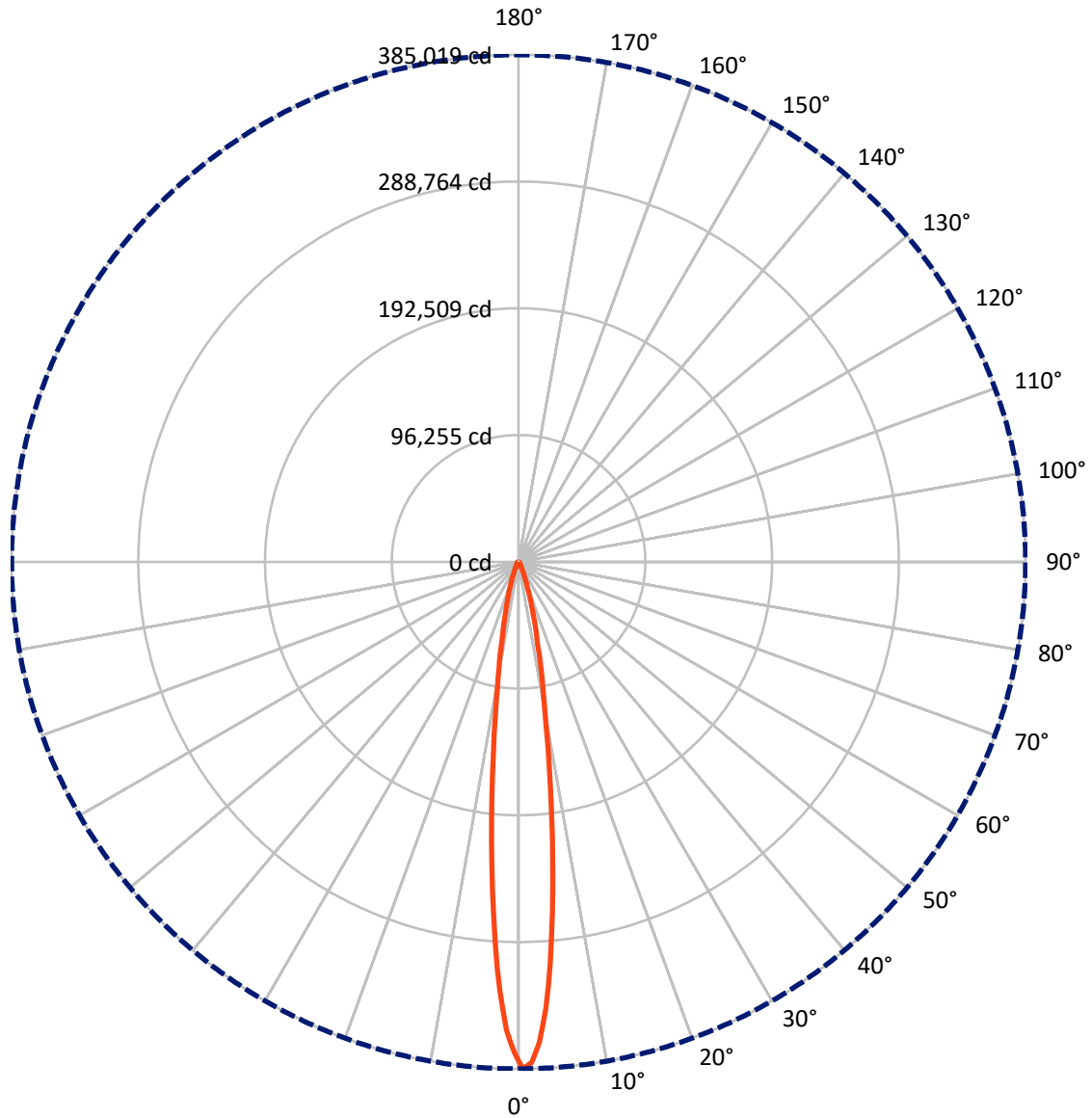
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 962.5 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	19852.5	0.0	19852.5
	% Fixture	51.2	0.0	51.2
Street Side	Lumens	18908.1	0.0	18908.1
	% Fixture	48.8	0.0	48.8
Total	Lumens	38760.6	0.0	38760.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19567.5	50.5
10°-20°	12527.0	32.3
20°-30°	3765.4	9.7
30°-40°	1226.0	3.2
40°-50°	713.3	1.8
50°-60°	473.8	1.2
60°-70°	285.2	0.7
70°-80°	146.6	0.4
80°-90°	55.7	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°	38760.6	100.0
0°-180°	38760.6	100.0

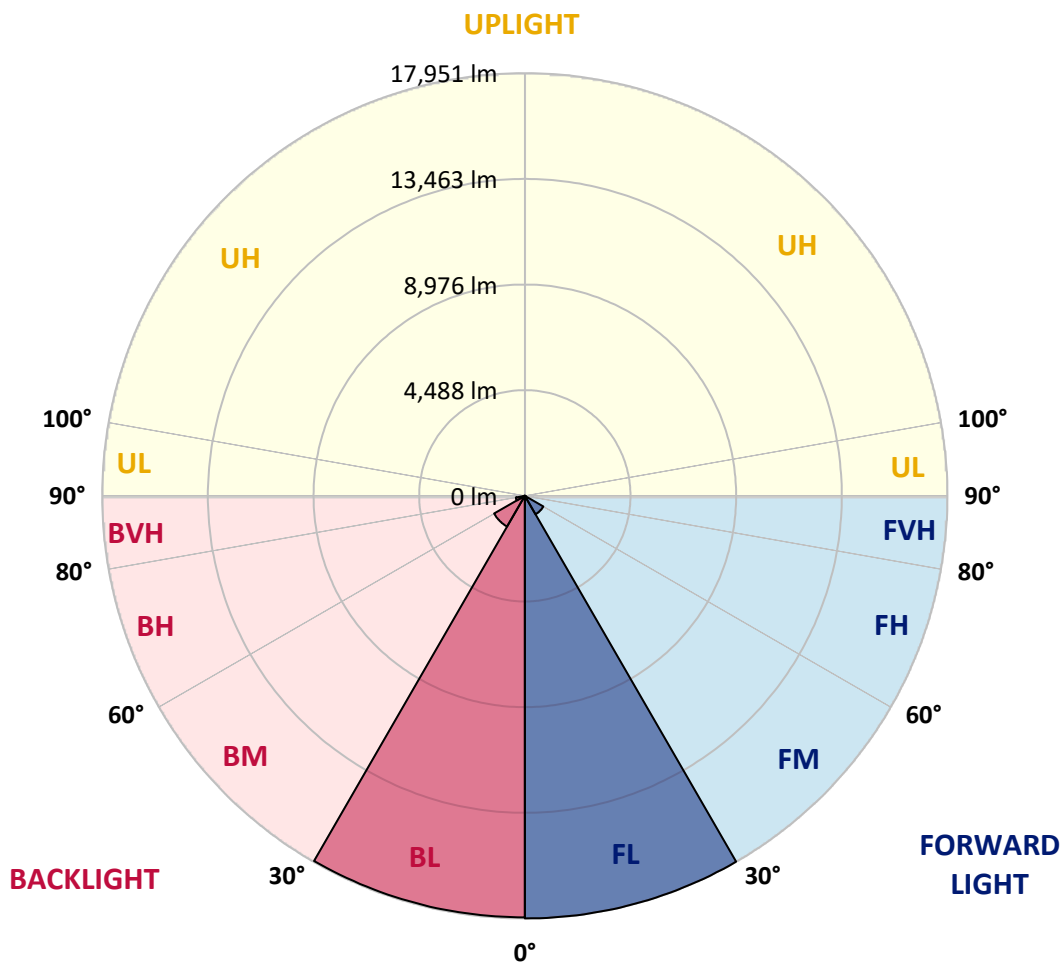


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	17951.2	46.3			
FM (30°-60°)	905.9	2.3			
FH (60°-80°)	42.6	0.1			G0/660
FVH (80°-90°)	8.4	0.0			G0/10
BL (0°-30°)	17908.7	46.2	B5		
BM (30°-60°)	1507.3	3.9	B2/2500		
BH (60°-80°)	389.2	1.0	B1/500		G0/660
BVH (80°-90°)	47.3	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°	385018.6	385018.6	385018.6	385018.6	385018.6	385018.6	385018.6	385018.6	385018.6	385018.6
1°	380408.6	379247.6	376250.3	378382.2	380256.6	379712.0	379674.0	379471.4	379188.5	381409.1
2°	365202.2	364450.7	360018.0	361846.0	364509.8	362567.9	363783.7	362715.6	362736.8	365387.9
3°	339568.3	339977.8	332906.6	336229.0	339931.4	335224.3	336685.0	339429.0	336554.1	335688.6
4°	306251.1	302696.5	298833.7	302211.0	303169.3	300429.4	303122.8	306483.3	302489.6	302666.9
5°	268214.0	265588.2	261016.1	263101.6	260724.8	261590.3	265626.2	267010.9	264224.6	260716.4
6°	229104.7	227238.7	221522.6	224528.4	223684.1	223194.4	228289.9	224068.2	225588.0	223464.6
7°	190569.5	187082.4	184275.0	187154.1	187339.9	185866.5	192481.9	191713.5	188948.3	188306.7
8°	157889.7	154411.0	152034.2	154178.8	155580.4	153267.0	156378.3	158421.6	156260.1	156454.3
9°	127346.0	126733.9	123428.4	126231.5	127755.5	125277.4	128722.3	129461.1	127438.9	128422.6
10°	104561.8	103848.3	101209.8	102345.4	104870.0	101914.8	105220.4	105461.0	103848.3	104308.5
12.5°	64616.6	64329.5	64257.7	64422.4	64388.6	64912.1	65756.4	64793.9	64667.2	63075.7
15°	41764.8	42191.2	41752.1	42596.4	42718.9	43212.8	42697.8	41921.0	40439.2	39704.6
17.5°	26064.5	26609.1	27360.5	28597.5	29834.4	29977.9	29294.0	28382.1	27664.5	26879.2
20°	14995.3	15261.3	15147.3	16629.1	19829.1	20698.7	19816.4	18858.1	17992.7	17199.0
22.5°	9317.2	9220.1	9397.4	9895.5	10938.3	13627.5	12905.6	11947.3	11318.2	10663.9
25°	5711.9	5817.4	5749.9	6024.3	6492.9	7632.7	7797.4	7383.7	7062.8	6725.1
27.5°	3677.1	3677.1	3706.6	3858.6	4179.4	4141.4	5019.5	4698.7	4525.6	4361.0
30°	2554.1	2562.5	2562.5	2651.2	2723.0	2596.3	2824.3	3238.0	3157.8	3031.1
32.5°	1895.5	1920.9	1942.0	1988.4	1929.3	1794.2	1849.1	2330.4	2283.9	2237.5
35°	1443.8	1464.9	1515.6	1540.9	1456.5	1372.0	1321.4	1714.0	1735.1	1722.4
37.5°	1051.2	1063.9	1156.7	1253.8	1156.7	1080.7	1051.2	1317.2	1418.5	1405.8
40°	806.3	810.6	827.4	937.2	937.2	878.1	886.5	983.6	1161.0	1161.0
42.5°	692.4	692.4	709.2	692.4	696.6	759.9	781.0	793.7	983.6	983.6
45°	599.5	599.5	607.9	565.7	523.5	654.4	671.2	675.5	827.4	848.6
47.5°	502.4	502.4	519.3	464.4	443.3	519.3	565.7	578.4	713.5	730.3
50°	371.5	375.7	426.4	379.9	392.6	401.1	489.7	498.2	603.7	641.7
52.5°	249.1	249.1	257.5	295.5	342.0	329.3	396.8	426.4	481.3	531.9
55°	202.6	202.6	198.4	190.0	253.3	274.4	291.3	354.6	392.6	455.9
57.5°	139.3	147.8	135.1	156.2	164.6	206.9	219.5	278.6	299.7	384.2
60°	16.9	21.1	29.6	114.0	109.8	139.3	164.6	219.5	244.9	295.5
62.5°	4.2	4.2	8.4	21.1	76.0	92.9	130.9	152.0	177.3	228.0
65°	0.0	0.0	4.2	8.4	16.9	50.7	67.5	88.7	126.6	160.4
67.5°	0.0	0.0	4.2	8.4	8.4	21.1	33.8	54.9	67.5	118.2
70°	0.0	0.0	4.2	8.4	8.4	16.9	21.1	25.3	46.4	63.3
72.5°	0.0	0.0	4.2	8.4	12.7	16.9	21.1	21.1	21.1	42.2
75°	0.0	0.0	4.2	8.4	12.7	16.9	21.1	21.1	16.9	16.9
77.5°	0.0	0.0	4.2	8.4	16.9	21.1	25.3	21.1	12.7	12.7
80°	0.0	0.0	4.2	12.7	21.1	29.6	33.8	25.3	12.7	8.4
82.5°	0.0	0.0	8.4	16.9	25.3	33.8	46.4	38.0	16.9	8.4
85°	0.0	0.0	4.2	12.7	25.3	33.8	67.5	46.4	21.1	4.2
87.5°	0.0	0.0	0.0	4.2	4.2	8.4	25.3	16.9	8.4	4.2
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°
385018.6	385018.6	385018.6	385018.6	385018.6	385018.6	385018.6	385018.6	385018.6	385018.6
378846.6	381493.5	381759.5	380889.8	382236.6	381763.7	378994.3	378078.2	376993.3	375431.3
363830.2	362715.6	364070.8	364138.3	365632.8	365611.7	362382.1	361381.6	363226.5	359625.4
337444.9	336423.2	338002.1	336579.4	339234.8	338436.9	334519.3	333501.8	335595.8	332978.3
304068.5	303160.8	302861.1	302371.4	300860.0	302721.8	300049.5	298035.8	300876.9	295279.0
265368.6	264836.7	264169.7	263215.6	262768.1	264152.8	262443.0	258301.6	262451.5	252467.3
227306.3	227584.9	224714.2	224574.8	224325.8	224465.1	219677.7	219964.8	223055.1	214746.8
186098.7	188066.0	188593.7	187517.2	189243.9	187926.7	184684.5	183434.9	186689.8	180817.5
157307.1	156209.5	155542.4	154719.2	157298.6	155014.7	152887.0	151430.6	154001.5	149640.6
128583.0	128342.4	127189.8	126354.0	126223.1	126577.7	122584.0	123394.6	125340.8	122714.9
104561.8	104599.8	102708.5	103168.7	103291.1	102902.7	100285.3	100310.6	100981.8	97824.1
64131.1	63903.1	62974.3	63206.5	63333.2	64122.6	63202.3	61902.0	60964.8	60492.0
40435.0	40164.8	39497.7	40861.3	41777.4	41591.7	40772.7	40160.5	39312.0	38628.1
26879.2	26630.2	27504.0	27508.3	28344.2	28428.6	27609.6	27136.8	26372.6	26406.4
17481.8	17418.5	17781.6	18537.3	19128.3	19470.2	18845.4	18279.7	17756.3	17536.7
10900.3	10900.3	11533.5	12006.4	12774.7	13087.1	12631.2	12230.1	11803.7	11542.0
6805.3	6691.3	7143.0	7535.6	8202.7	8629.1	8409.5	8042.2	7742.5	7603.2
4394.7	4462.3	4652.3	4846.5	5306.6	5749.9	5627.5	5479.7	5298.2	5234.8
3098.7	3145.1	3162.0	3368.9	3626.4	3921.9	3997.9	3930.4	3837.5	3765.7
2275.5	2317.7	2385.2	2482.3	2642.8	2841.2	3022.7	2988.9	2946.7	2912.9
1739.3	1790.0	1891.3	1971.5	2093.9	2199.5	2372.6	2402.1	2389.5	2364.1
1431.1	1460.7	1549.3	1629.6	1701.3	1790.0	1908.2	2001.1	2005.3	1980.0
1182.1	1211.6	1291.8	1397.4	1452.2	1515.6	1604.2	1718.2	1726.7	1718.2
1000.5	1021.6	1097.6	1203.2	1270.7	1317.2	1401.6	1515.6	1532.5	1515.6
857.0	878.1	924.5	1034.3	1114.5	1161.0	1215.8	1338.3	1355.1	1350.9
738.8	764.1	810.6	878.1	992.1	1034.3	1085.0	1182.1	1211.6	1211.6
654.4	671.2	717.7	776.8	878.1	941.4	983.6	1063.9	1106.1	1106.1
569.9	595.3	641.7	705.0	785.2	857.0	895.0	971.0	1025.9	1025.9
464.4	498.2	578.4	624.8	696.6	793.7	827.4	886.5	958.3	958.3
405.3	434.8	502.4	569.9	629.0	726.1	768.3	827.4	895.0	903.4
320.8	367.3	430.6	510.8	561.5	654.4	709.2	772.6	835.9	852.8
244.9	291.3	375.7	430.6	502.4	591.0	662.8	713.5	776.8	802.1
190.0	215.3	308.2	371.5	447.5	531.9	607.9	650.1	717.7	734.6
135.1	156.2	240.6	316.6	388.4	468.6	544.6	586.8	645.9	658.6
84.4	122.4	177.3	261.7	325.1	409.5	472.8	519.3	557.3	569.9
54.9	71.8	135.1	211.1	282.9	358.8	401.1	434.8	468.6	477.0
25.3	46.4	105.5	173.1	236.4	291.3	329.3	358.8	388.4	392.6
12.7	29.6	76.0	139.3	198.4	223.7	270.2	295.5	312.4	304.0
8.4	16.9	59.1	122.4	160.4	181.5	211.1	236.4	257.5	236.4
8.4	12.7	50.7	101.3	135.1	135.1	168.9	181.5	181.5	173.1
4.2	8.4	42.2	80.2	126.6	101.3	126.6	118.2	118.2	118.2
4.2	8.4	29.6	38.0	54.9	46.4	54.9	54.9	63.3	63.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



180°
385018.6
372695.6
355412.2
326295.5
290593.0
251517.4
214096.7
177837.0
146660.1
119261.6
96414.0
60394.9
38877.2
26182.7
17574.7
11575.8
7569.4
5192.6
3774.2
2912.9
2347.2
1975.7
1714.0
1519.8
1350.9
1215.8
1110.3
1025.9
962.5
899.2
852.8
806.3
730.3
650.1
569.9
477.0
388.4
304.0
232.2
168.9
114.0
63.3
0.0

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