

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: P477628

Luminaire Tested: **IFLD-S-SA6D-722-U-T3R**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P477628
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6D-722-U-T3R
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T3R distribution lens
Light Source: (96) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

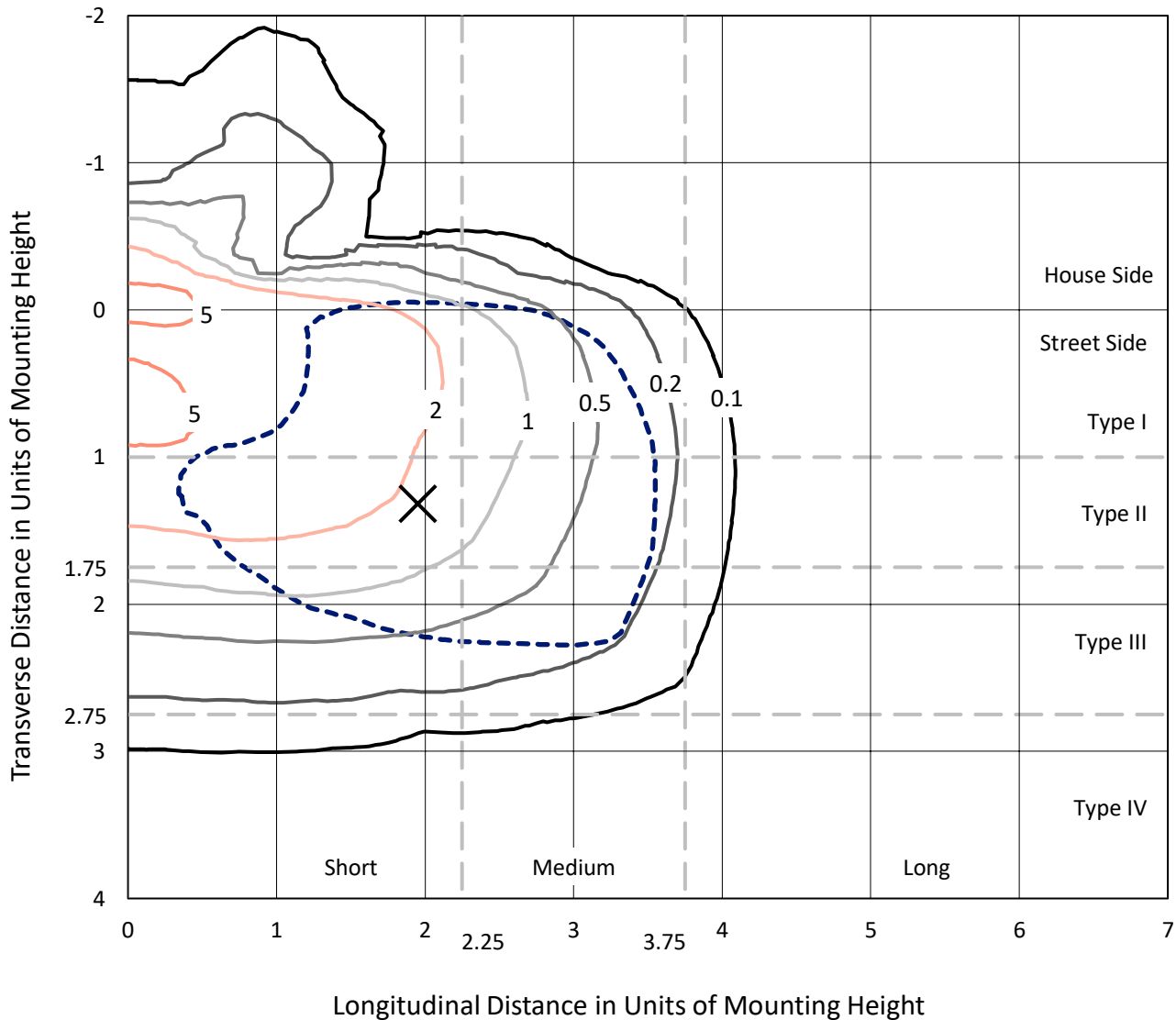
Lumens per Lamp: N/A
Luminaire Lumens: 33082.5 lumens
Efficiency: N/A
Efficacy: 89.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G5

Input Watts (W): 368.2
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: 24 FT

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Iso-Footcandle Lines of Horizontal Illumination

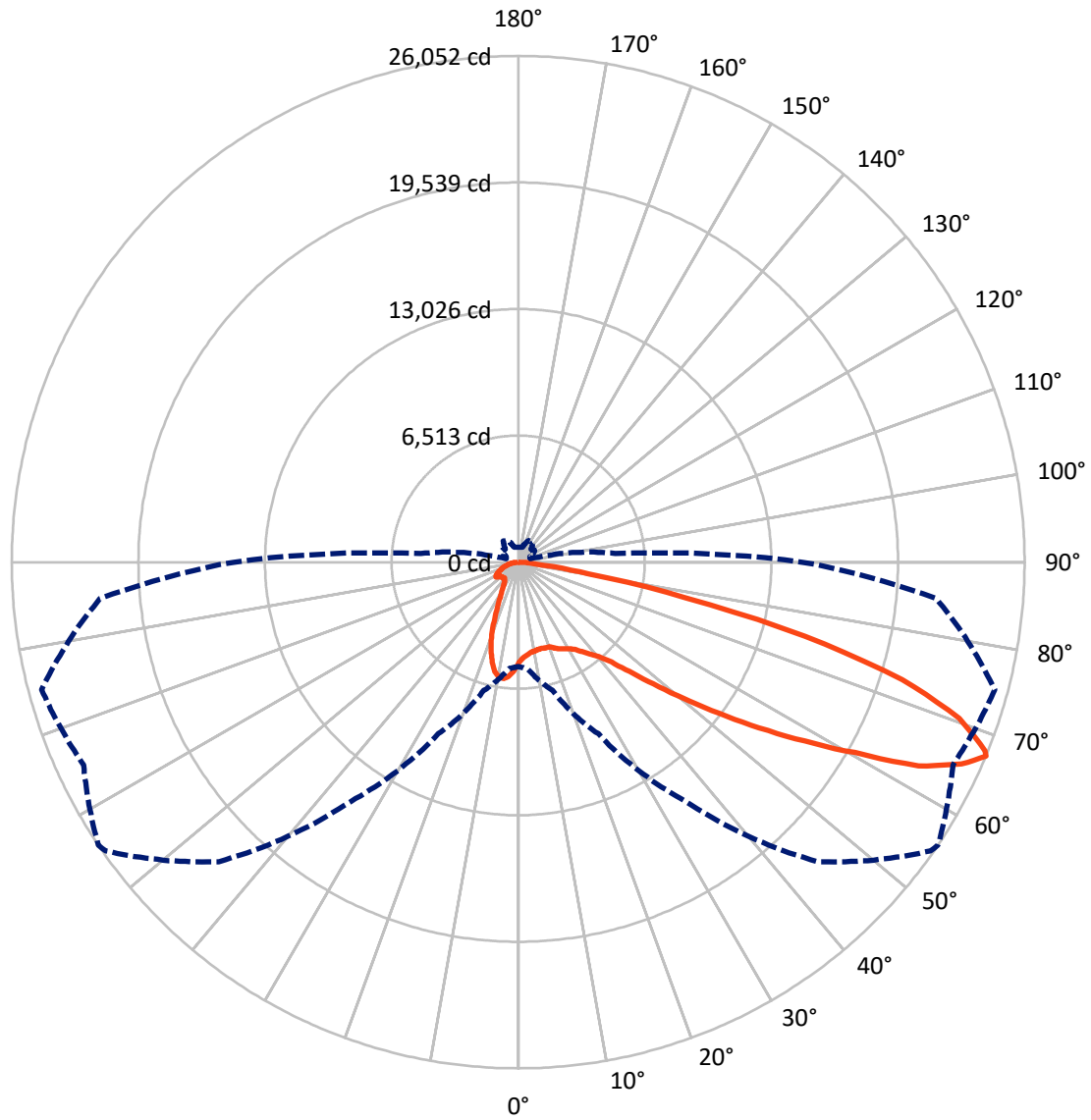
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 6.4 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral - - - Horizontal Cone Through 67-Deg Vertical

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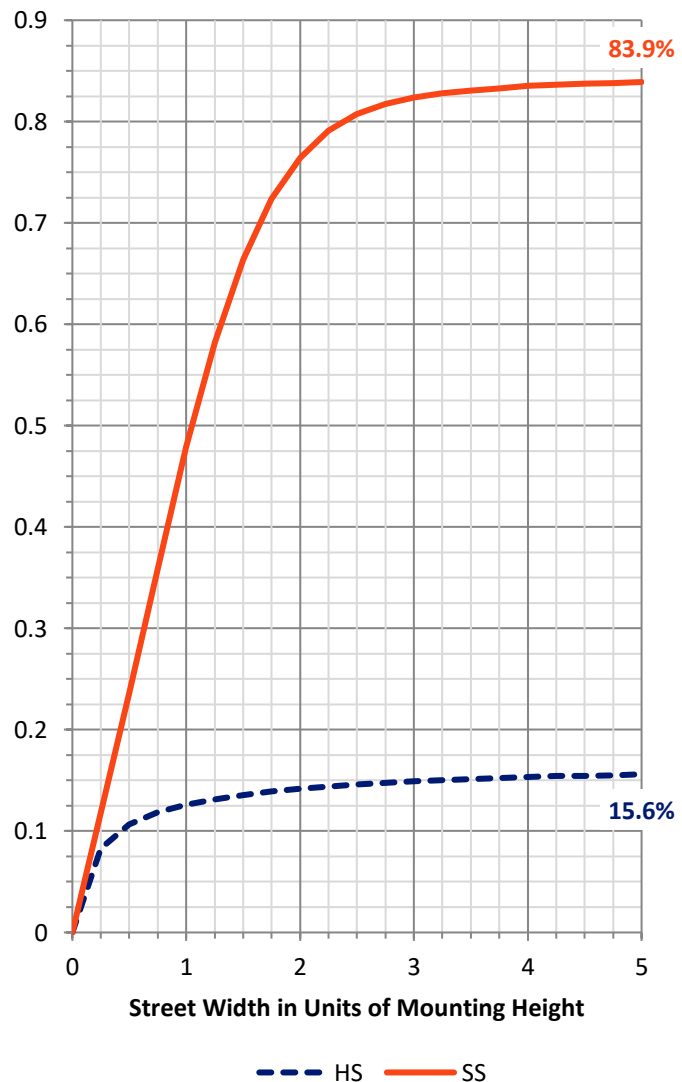
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5237.3	0.0	5237.3
	% Fixture	15.8	0.0	15.8
Street Side	Lumens	27845.2	0.0	27845.2
	% Fixture	84.2	0.0	84.2
Total	Lumens	33082.5	0.0	33082.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	495.9	1.5
10°-20°	1352.9	4.1
20°-30°	2121.7	6.4
30°-40°	3028.8	9.2
40°-50°	4571.3	13.8
50°-60°	7276.7	22.0
60°-70°	9302.7	28.1
70°-80°	4535.7	13.7
80°-90°	396.8	1.2
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°	33082.5	100.0
0°-180°	33082.5	100.0

Coefficient of Utilization

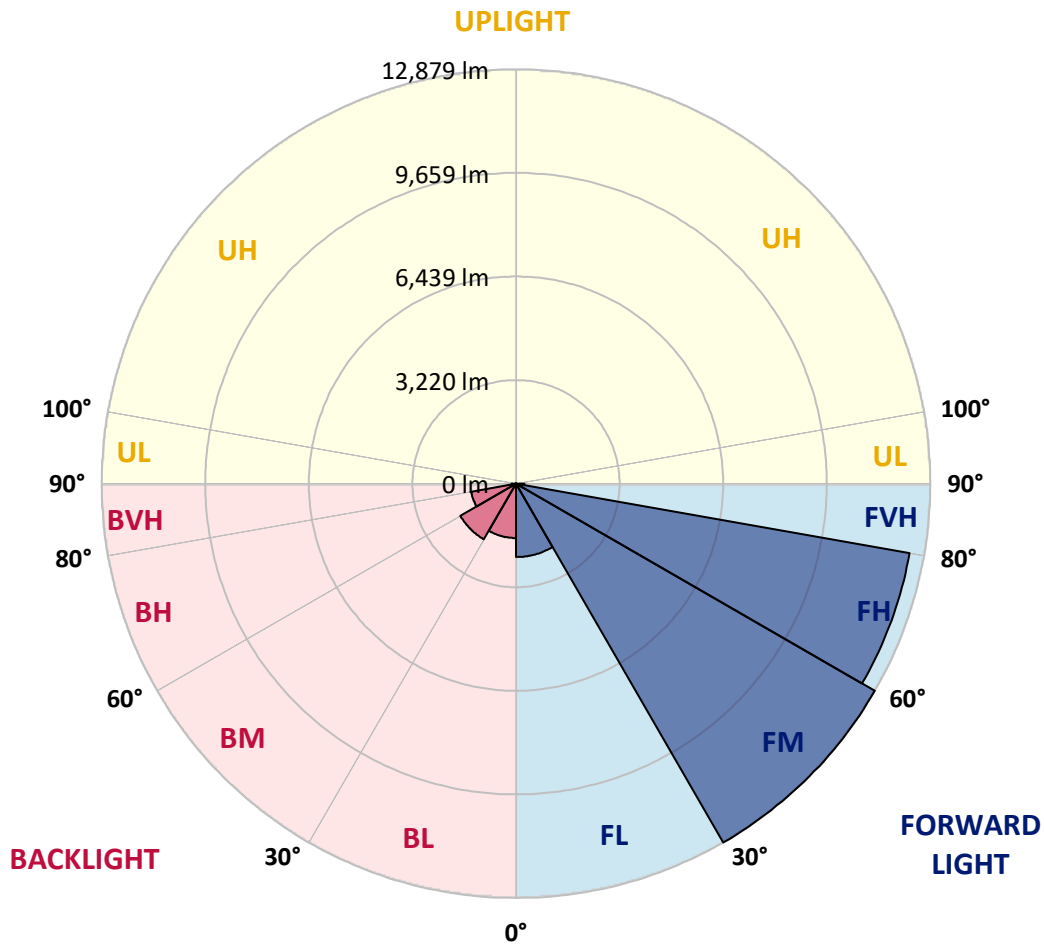


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2279.8	6.9			
FM (30°-60°)	12878.7	38.9			
FH (60°-80°)	12423.2	37.6			G5
FVH (80°-90°)	263.5	0.8			G3/500
BL (0°-30°)	1690.7	5.1	B3/2500		
BM (30°-60°)	1998.1	6.0	B2/2500		
BH (60°-80°)	1415.2	4.3	B3/2500		G3/2500
BVH (80°-90°)	133.3	0.4			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5
 Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°
0°	5147.5	5147.5	5147.5	5147.5	5147.5	5147.5	5147.5	5147.5	5147.5	5147.5
2.5°	4728.6	4709.2	4732.5	4709.2	4813.9	4876.0	4895.4	4922.6	5019.5	5112.6
5°	4530.8	4445.4	4538.5	4569.6	4577.3	4682.1	4790.7	4810.1	4860.5	5011.8
7.5°	4201.1	4298.0	4263.1	4356.2	4453.2	4557.9	4736.4	4685.9	4872.1	5015.7
10°	4131.2	4139.0	4177.8	4212.7	4298.0	4433.8	4682.1	4651.0	4841.1	5147.5
12.5°	4201.1	4201.1	4189.4	4162.3	4259.2	4391.1	4589.0	4604.5	4903.2	5186.3
15°	4445.4	4492.0	4367.9	4387.2	4348.5	4391.1	4565.7	4600.6	4926.4	5217.4
17.5°	5042.8	5027.3	4879.9	4674.3	4503.6	4476.5	4596.7	4635.5	4903.2	5306.6
20°	5624.7	5593.6	5337.6	5124.3	4786.8	4627.7	4647.1	4651.0	4942.0	5364.8
22.5°	6272.5	6353.9	6074.6	5640.2	5221.3	4825.6	4748.0	4810.1	5031.2	5395.8
25°	7288.8	7114.2	6873.7	6303.5	5628.6	5132.0	4914.8	4945.8	5116.5	5473.4
27.5°	8022.0	7952.1	7575.9	7114.2	6198.8	5372.5	5004.0	5062.2	5271.7	5469.5
30°	8727.9	8727.9	8499.1	7808.6	6800.0	5776.0	5194.1	5166.9	5198.0	5461.8
32.5°	9554.2	9441.7	9112.0	8654.2	7556.5	6144.5	5345.4	5353.1	5353.1	5605.3
35°	9988.6	10171.0	9949.9	9205.1	8134.4	6757.4	5710.0	5651.8	5609.2	5764.3
37.5°	10624.8	10733.4	10500.7	10062.3	8852.1	7253.9	6032.0	5985.4	5737.2	5888.5
40°	11008.8	10989.5	10981.7	10780.0	9802.5	7839.6	6505.2	6385.0	6051.4	6326.8
42.5°	11226.1	11187.3	11664.4	11540.3	10698.5	8700.8	7098.7	7032.8	6664.3	7106.5
45°	11470.5	11757.5	12149.3	12498.4	11742.0	9911.1	8103.4	8010.3	7680.6	8243.1
47.5°	11683.8	12036.8	12537.2	12909.6	12684.6	11226.1	9344.7	9368.0	9150.8	9728.7
50°	12040.7	12075.6	12754.4	13507.0	13681.5	12440.2	11012.7	10973.9	10877.0	11687.7
52.5°	11932.1	12036.8	12894.1	13856.1	14143.1	13724.2	12804.9	12921.2	12793.2	13813.4
55°	10163.2	10477.4	12808.7	14224.6	15237.1	15175.0	15109.0	15031.5	15023.7	16202.9
57.5°	9360.2	9616.3	11284.3	14631.9	16408.5	16866.3	17293.0	17378.3	17374.4	18798.1
60°	8832.7	9096.5	10667.5	14410.8	17405.5	19081.2	19899.7	19911.3	19888.1	21571.6
62.5°	7800.8	8056.9	9600.7	13200.5	17680.9	21125.5	22948.7	23100.0	22033.2	23961.1
65°	6559.5	6769.0	8130.6	11350.2	16947.7	22425.0	25241.2	25062.8	23840.9	25326.6
67°	5364.8	5504.4	6831.1	9744.3	15031.5	21800.5	25904.5	26051.9	24674.9	25384.7
67.5°	5023.4	5151.4	6404.4	9197.3	14302.2	21327.2	25927.8	25904.5	24690.4	25396.4
70°	3487.3	3541.6	4364.0	6326.8	10535.6	18018.4	24034.8	24089.1	23654.7	24019.3
72.5°	2311.9	2393.4	2917.1	3987.7	6210.4	13111.3	20089.8	20671.7	20396.2	19694.1
75°	1489.6	1536.1	1908.5	2374.0	3056.7	7467.2	14841.4	15229.3	14597.0	12180.3
77.5°	834.0	884.4	1152.1	1443.0	1489.6	3107.1	8336.2	8817.2	7471.1	5174.7
80°	519.8	585.7	868.9	857.3	709.9	1140.5	3436.9	3681.3	2986.9	1780.5
82.5°	391.8	442.2	671.1	601.3	399.5	508.2	1287.9	1381.0	1093.9	686.6
85°	267.7	337.5	484.9	372.4	209.5	244.4	512.0	550.8	500.4	333.6
87.5°	97.0	143.5	252.1	186.2	93.1	73.7	166.8	186.2	178.4	151.3
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):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
5147.5	0°	5147.5	5147.5	5147.5	5147.5	5147.5	5147.5	5147.5	5147.5	5147.5	5147.5
5194.1	2.5°	5267.8	5322.1	5349.3	5508.3	5574.2	5562.6	5578.1	5601.4	5624.7	5655.7
5260.0	5°	5310.5	5477.3	5566.5	5752.7	5876.8	5822.5	5892.3	5872.9	5845.8	5841.9
5380.3	7.5°	5450.1	5663.5	5931.1	5981.6	6035.9	5900.1	5783.7	5624.7	5585.9	5450.1
5481.1	10°	5698.4	5872.9	6198.8	6218.2	5977.7	5628.6	5368.7	5038.9	5035.1	4837.2
5636.3	12.5°	5935.0	6132.8	6396.6	6284.1	5710.0	5232.9	4810.1	4449.3	4298.0	4197.2
5729.4	15°	6082.4	6408.3	6547.9	6063.0	5240.6	4596.7	4049.8	3661.9	3506.7	3433.0
5845.8	17.5°	6218.2	6672.0	6610.0	5675.1	4662.7	3941.2	3289.5	2952.0	2909.3	2855.0
6032.0	20°	6404.4	6769.0	6388.9	5170.8	4007.1	3095.5	2680.4	2517.5	2556.3	2579.6
6051.4	22.5°	6578.9	6819.4	6109.6	4620.0	3165.3	2451.6	2246.0	2280.9	2339.1	2416.7
6097.9	25°	6656.5	6900.9	5733.3	3859.7	2408.9	2063.7	2017.1	2075.3	2172.3	2176.2
6163.9	27.5°	6706.9	6842.7	5279.4	3118.8	1904.6	1803.8	1873.6	1916.3	1927.9	1974.5
6303.5	30°	6796.2	6722.5	4705.3	2230.5	1598.2	1602.1	1691.3	1691.3	1691.3	1726.2
6443.2	32.5°	6951.3	6641.0	4034.2	1629.2	1377.1	1501.2	1477.9	1470.2	1454.7	1412.0
6621.6	35°	7048.3	6419.9	3184.7	1206.4	1237.4	1377.1	1369.3	1249.1	1047.4	946.5
7075.5	37.5°	7250.0	6307.4	2343.0	931.0	1156.0	1315.0	1272.3	981.4	760.3	663.3
7637.9	40°	7684.5	6233.7	1621.5	814.6	1101.7	1284.0	1136.6	837.9	581.9	411.2
8506.8	42.5°	8215.9	6237.6	1101.7	768.1	1105.5	1349.9	1093.9	717.6	411.2	329.7
9666.7	45°	8929.7	6179.4	756.4	768.1	1175.4	1458.5	1121.1	651.7	399.5	418.9
11121.3	47.5°	9697.7	6229.8	562.5	698.2	1187.0	1462.4	1024.1	640.0	384.0	484.9
12704.0	50°	10593.8	6280.2	465.5	643.9	1190.9	1415.9	942.6	624.5	399.5	512.0
14519.4	52.5°	11517.0	6439.3	395.7	609.0	1237.4	1396.5	942.6	647.8	399.5	446.1
16831.4	55°	12894.1	6846.6	570.2	760.3	1408.1	1524.5	1159.8	907.7	558.6	574.1
19046.3	57.5°	14414.7	7265.5	636.2	799.1	1446.9	1373.2	1249.1	1000.8	589.6	593.5
20768.6	60°	15415.5	7281.0	632.3	779.7	1353.8	1187.0	1221.9	1055.1	601.3	508.2
21835.4	62.5°	15815.0	6807.8	659.4	779.7	1260.7	1109.4	1252.9	1136.6	620.7	636.2
22137.9	65°	15361.2	5830.3	636.2	698.2	1109.4	993.0	1260.7	1152.1	678.8	640.0
21594.9	67°	14651.3	5023.4	647.8	663.3	1031.8	942.6	1326.6	1210.3	787.5	768.1
21311.7	67.5°	14449.6	4810.1	643.9	643.9	1004.7	927.1	1342.2	1210.3	803.0	795.2
18809.7	70°	12735.0	3898.5	659.4	636.2	888.3	880.6	1427.5	1276.2	923.2	931.0
13817.3	72.5°	9693.8	2955.9	655.6	636.2	771.9	841.8	1439.1	1318.9	1004.7	931.0
7738.8	75°	5508.3	1768.9	578.0	554.7	609.0	733.1	1346.0	1256.8	977.5	834.0
3091.6	77.5°	2277.0	911.6	531.4	500.4	504.3	597.4	1121.1	1171.5	931.0	709.9
1031.8	80°	849.5	547.0	426.7	399.5	387.9	438.3	799.1	934.9	795.2	581.9
453.9	82.5°	442.2	341.4	290.9	290.9	263.8	279.3	430.6	620.7	601.3	399.5
182.3	85°	225.0	194.0	166.8	162.9	147.4	131.9	217.2	368.5	345.2	221.1
81.5	87.5°	120.3	108.6	69.8	65.9	54.3	34.9	38.8	73.7	120.3	97.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END O



<u>180°</u>
5147.5
5686.7
5876.8
5496.7
4829.5
4173.9
3417.5
2882.2
2552.4
2374.0
2215.0
2017.1
1765.0
1388.7
993.0
659.4
399.5
322.0
426.7
539.2
593.5
457.7
605.1
574.1
523.7
643.9
628.4
756.4
779.7
861.2
826.2
744.8
671.1
531.4
314.2
182.3
69.8
0.0

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