

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: P477641

Luminaire Tested: **IFLD-L-SA8B-722-U-T3R**

Issue Date: 02/26/2021

Test Information

Test Method: LM-79-08
Report Number: P477641
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8B-722-U-T3R
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T3R distribution lens
Light Source: (128) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

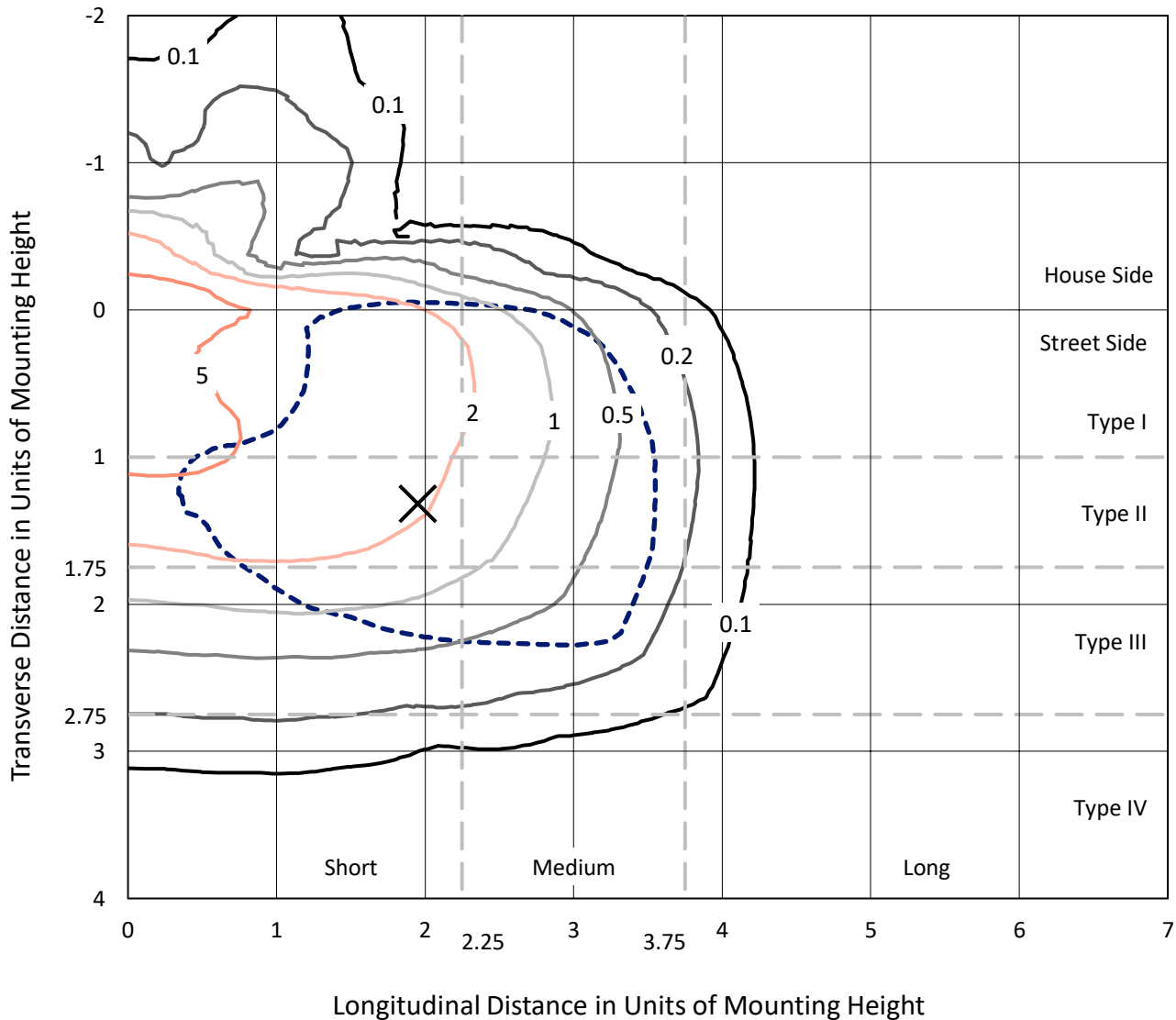
Lumens per Lamp: N/A
Luminaire Lumens: 29447.9 lumens
Efficiency: N/A
Efficacy: 92.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

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: 24 FT

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Iso-Footcandle Lines of Horizontal Illumination

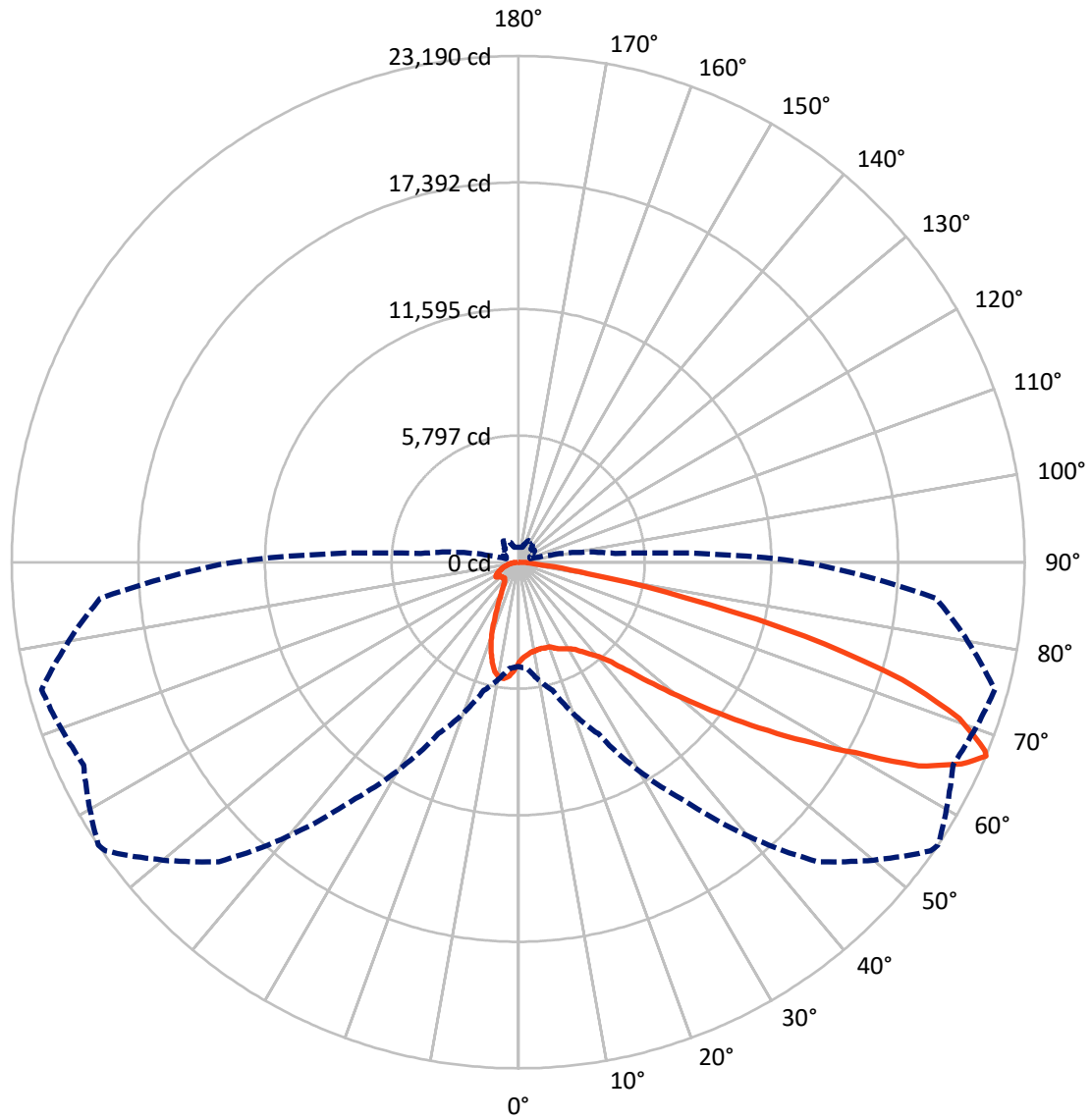
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.2 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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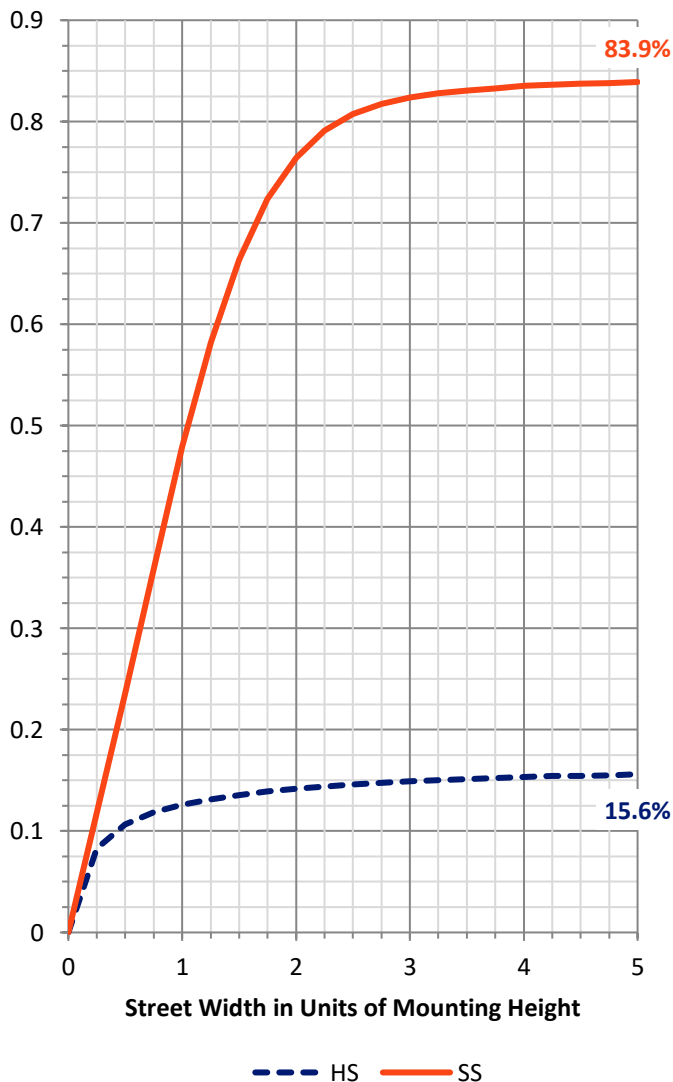
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4661.9	0.0	4661.9
	% Fixture	15.8	0.0	15.8
Street Side	Lumens	24786.0	0.0	24786.0
	% Fixture	84.2	0.0	84.2
Total	Lumens	29447.9	0.0	29447.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	441.4	1.5
10°-20°	1204.2	4.1
20°-30°	1888.6	6.4
30°-40°	2696.0	9.2
40°-50°	4069.1	13.8
50°-60°	6477.3	22.0
60°-70°	8280.7	28.1
70°-80°	4037.4	13.7
80°-90°	353.2	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°	29447.9	100.0
0°-180°	29447.9	100.0

Coefficient of Utilization

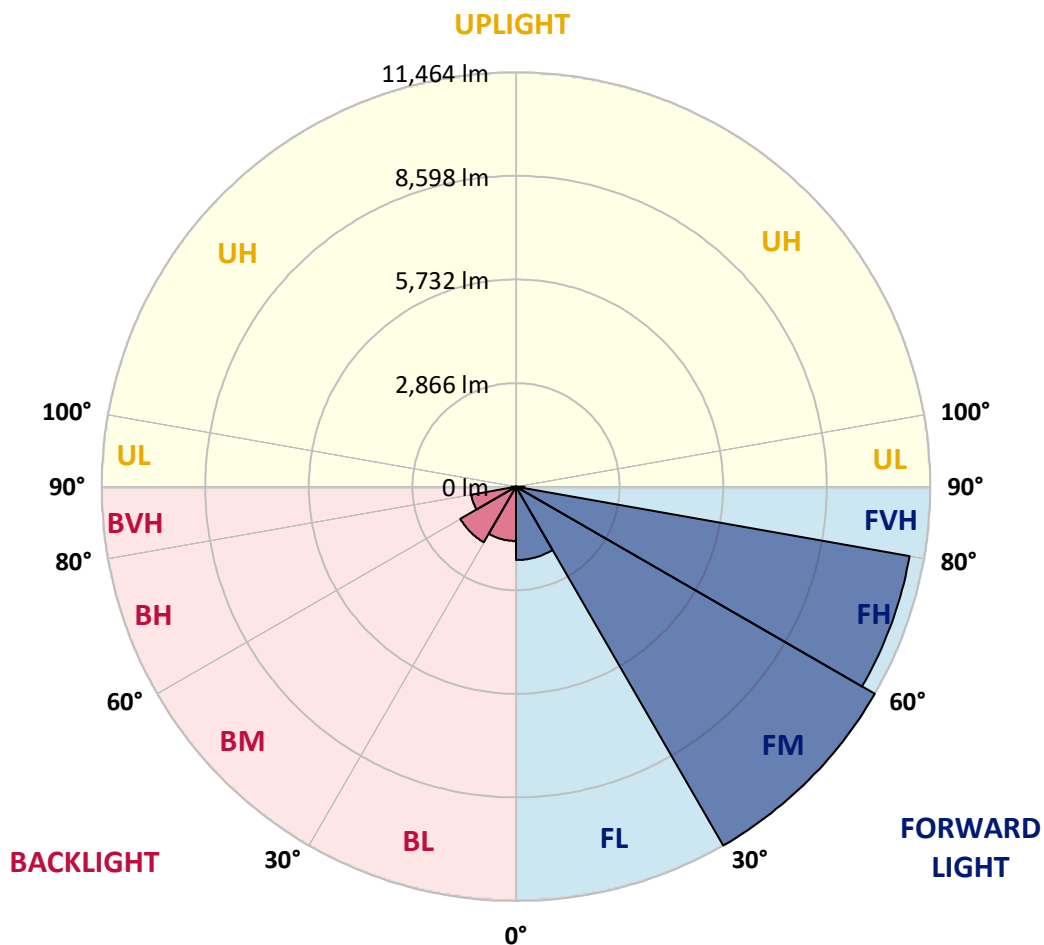


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2029.3	6.9			
FM (30°-60°)	11463.8	38.9			
FH (60°-80°)	11058.4	37.6			G4/12000
FVH (80°-90°)	234.6	0.8			G3/500
BL (0°-30°)	1505.0	5.1	B3/2500		
BM (30°-60°)	1778.6	6.0	B2/2500		
BH (60°-80°)	1259.7	4.3	B3/2500		G3/2500
BVH (80°-90°)	118.6	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-G4
 Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°
0°	4582.0	4582.0	4582.0	4582.0	4582.0	4582.0	4582.0	4582.0	4582.0	4582.0
2.5°	4209.1	4191.8	4212.6	4191.8	4285.1	4340.3	4357.6	4381.8	4468.1	4550.9
5°	4033.0	3957.0	4039.9	4067.5	4074.4	4167.7	4264.4	4281.6	4326.5	4461.2
7.5°	3739.5	3825.8	3794.8	3877.6	3963.9	4057.2	4216.0	4171.1	4336.9	4464.6
10°	3677.4	3684.3	3718.8	3749.9	3825.8	3946.7	4167.7	4140.0	4309.2	4582.0
12.5°	3739.5	3739.5	3729.2	3705.0	3791.3	3908.7	4084.8	4098.6	4364.5	4616.5
15°	3957.0	3998.5	3888.0	3905.2	3870.7	3908.7	4064.1	4095.2	4385.2	4644.2
17.5°	4488.8	4475.0	4343.8	4160.8	4008.8	3984.7	4091.7	4126.2	4364.5	4723.6
20°	5006.7	4979.1	4751.2	4561.3	4260.9	4119.3	4136.6	4140.0	4399.0	4775.4
22.5°	5583.4	5655.9	5407.3	5020.5	4647.6	4295.4	4226.4	4281.6	4478.4	4803.0
25°	6488.0	6332.6	6118.6	5611.0	5010.2	4568.2	4374.8	4402.5	4554.4	4872.1
27.5°	7140.6	7078.5	6743.5	6332.6	5517.8	4782.3	4454.3	4506.1	4692.5	4868.6
30°	7769.1	7769.1	7565.3	6950.7	6053.0	5141.4	4623.5	4599.3	4626.9	4861.7
32.5°	8504.5	8404.4	8110.9	7703.5	6726.3	5469.4	4758.1	4765.0	4765.0	4989.5
35°	8891.3	9053.5	8856.7	8193.8	7240.8	6015.0	5082.7	5030.9	4992.9	5131.0
37.5°	9457.5	9554.2	9347.0	8956.9	7879.6	6457.0	5369.3	5327.9	5106.9	5241.5
40°	9799.4	9782.1	9775.2	9595.7	8725.5	6978.3	5790.5	5683.5	5386.6	5631.7
42.5°	9992.7	9958.2	10382.9	10272.4	9523.1	7744.9	6318.8	6260.1	5932.1	6325.7
45°	10210.3	10465.8	10814.5	11125.3	10452.0	8822.2	7213.1	7130.3	6836.8	7337.4
47.5°	10400.2	10714.4	11159.8	11491.3	11291.0	9992.7	8318.1	8338.8	8145.4	8659.9
50°	10717.9	10748.9	11353.2	12023.1	12178.4	11073.5	9802.8	9768.3	9682.0	10403.6
52.5°	10621.2	10714.4	11477.5	12333.8	12589.3	12216.4	11398.1	11501.7	11387.7	12295.8
55°	9046.6	9326.3	11401.5	12661.8	13563.1	13507.8	13449.1	13380.1	13373.1	14422.8
57.5°	8331.9	8559.8	10044.5	13024.4	14605.8	15013.3	15393.1	15469.1	15465.6	16732.8
60°	7862.3	8097.1	9495.5	12827.6	15493.2	16984.9	17713.5	17723.8	17703.1	19201.7
62.5°	6943.8	7171.7	8546.0	11750.3	15738.4	18804.6	20427.5	20562.1	19612.6	21328.7
65°	5838.9	6025.3	7237.3	10103.2	15085.8	19961.3	22468.1	22309.3	21221.6	22544.1
67°	4775.4	4899.7	6080.6	8673.7	13380.1	19405.4	23058.6	23189.8	21964.0	22595.9
67.5°	4471.5	4585.5	5700.8	8186.9	12730.9	18984.1	23079.3	23058.6	21977.8	22606.2
70°	3104.2	3152.5	3884.5	5631.7	9378.1	16038.8	21394.3	21442.6	21055.9	21380.5
72.5°	2057.9	2130.4	2596.6	3549.6	5528.1	11670.9	17882.7	18400.6	18155.4	17530.5
75°	1325.9	1367.4	1698.8	2113.2	2720.9	6646.9	13210.9	13556.2	12993.3	10842.2
77.5°	742.4	787.3	1025.5	1284.5	1325.9	2765.8	7420.3	7848.5	6650.3	4606.2
80°	462.7	521.4	773.5	763.1	631.9	1015.2	3059.3	3276.8	2658.7	1584.9
82.5°	348.7	393.6	597.4	535.2	355.7	452.3	1146.4	1229.2	973.7	611.2
85°	238.3	300.4	431.6	331.5	186.5	217.5	455.8	490.3	445.4	297.0
87.5°	86.3	127.8	224.4	165.7	82.9	65.6	148.5	165.7	158.8	134.7
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):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
4582.0	0°	4582.0	4582.0	4582.0	4582.0	4582.0	4582.0	4582.0	4582.0	4582.0	4582.0
4623.5	2.5°	4689.1	4737.4	4761.6	4903.1	4961.8	4951.5	4965.3	4986.0	5006.7	5034.4
4682.2	5°	4727.0	4875.5	4954.9	5120.7	5231.2	5182.8	5245.0	5227.7	5203.5	5200.1
4789.2	7.5°	4851.3	5041.3	5279.5	5324.4	5372.7	5251.9	5148.3	5006.7	4972.2	4851.3
4879.0	10°	5072.3	5227.7	5517.8	5535.0	5320.9	5010.2	4778.8	4485.3	4481.9	4305.8
5017.1	12.5°	5283.0	5459.1	5693.9	5593.7	5082.7	4658.0	4281.6	3960.5	3825.8	3736.1
5100.0	15°	5414.2	5704.2	5828.5	5396.9	4664.9	4091.7	3604.8	3259.6	3121.4	3055.8
5203.5	17.5°	5535.0	5939.0	5883.8	5051.6	4150.4	3508.2	2928.1	2627.7	2589.7	2541.3
5369.3	20°	5700.8	6025.3	5687.0	4602.7	3566.9	2755.4	2386.0	2240.9	2275.5	2296.2
5386.6	22.5°	5856.1	6070.2	5438.3	4112.4	2817.6	2182.2	1999.2	2030.3	2082.1	2151.2
5428.0	25°	5925.2	6142.7	5103.4	3435.7	2144.3	1837.0	1795.5	1847.3	1933.6	1937.1
5486.7	27.5°	5970.1	6090.9	4699.4	2776.1	1695.4	1605.6	1667.8	1705.7	1716.1	1757.5
5611.0	30°	6049.5	5983.9	4188.4	1985.4	1422.6	1426.1	1505.5	1505.5	1505.5	1536.5
5735.3	32.5°	6187.6	5911.4	3591.0	1450.2	1225.8	1336.3	1315.6	1308.7	1294.8	1256.9
5894.1	35°	6273.9	5714.6	2834.8	1073.9	1101.5	1225.8	1218.9	1111.8	932.3	842.5
6298.1	37.5°	6453.5	5614.4	2085.6	828.7	1029.0	1170.5	1132.6	873.6	676.8	590.4
6798.8	40°	6840.2	5548.8	1443.3	725.1	980.6	1142.9	1011.7	745.8	517.9	366.0
7572.2	42.5°	7313.3	5552.3	980.6	683.7	984.1	1201.6	973.7	638.8	366.0	293.5
8604.7	45°	7948.6	5500.5	673.3	683.7	1046.2	1298.3	997.9	580.1	355.7	372.9
9899.5	47.5°	8632.3	5545.4	500.7	621.5	1056.6	1301.7	911.6	569.7	341.8	431.6
11308.3	50°	9429.9	5590.3	414.4	573.2	1060.0	1260.3	839.1	555.9	355.7	455.8
12924.3	52.5°	10251.7	5731.8	352.2	542.1	1101.5	1243.1	839.1	576.6	355.7	397.1
14982.2	55°	11477.5	6094.4	507.6	676.8	1253.4	1357.0	1032.4	808.0	497.2	511.0
16953.8	57.5°	12831.0	6467.3	566.3	711.3	1287.9	1222.3	1111.8	890.9	524.8	528.3
18486.9	60°	13721.9	6481.1	562.8	694.0	1205.1	1056.6	1087.7	939.2	535.2	452.3
19436.5	62.5°	14077.5	6059.9	587.0	694.0	1122.2	987.5	1115.3	1011.7	552.5	566.3
19705.8	65°	13673.6	5189.7	566.3	621.5	987.5	883.9	1122.2	1025.5	604.3	569.7
19222.4	67°	13041.7	4471.5	576.6	590.4	918.5	839.1	1180.9	1077.3	700.9	683.7
18970.3	67.5°	12862.1	4281.6	573.2	573.2	894.3	825.2	1194.7	1077.3	714.8	707.8
16743.2	70°	11335.9	3470.2	587.0	566.3	790.7	783.8	1270.7	1136.0	821.8	828.7
12299.3	72.5°	8628.8	2631.1	583.5	566.3	687.1	749.3	1281.0	1174.0	894.3	828.7
6888.6	75°	4903.1	1574.5	514.5	493.8	542.1	652.6	1198.2	1118.7	870.1	742.4
2752.0	77.5°	2026.9	811.4	473.0	445.4	448.9	531.7	997.9	1042.8	828.7	631.9
918.5	80°	756.2	486.9	379.8	355.7	345.3	390.2	711.3	832.2	707.8	517.9
404.0	82.5°	393.6	303.9	259.0	259.0	234.8	248.6	383.3	552.5	535.2	355.7
162.3	85°	200.3	172.6	148.5	145.0	131.2	117.4	193.4	328.0	307.3	196.8
72.5	87.5°	107.0	96.7	62.2	58.7	48.3	31.1	34.5	65.6	107.0	86.3
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



180°
4582.0
5062.0
5231.2
4892.8
4298.9
3715.3
3042.0
2565.5
2272.0
2113.2
1971.6
1795.5
1571.1
1236.1
883.9
587.0
355.7
286.6
379.8
480.0
528.3
407.4
538.7
511.0
466.1
573.2
559.4
673.3
694.0
766.5
735.5
663.0
597.4
473.0
279.7
162.3
62.2
0.0

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