

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: P477705

Luminaire Tested: **IFLD-S-SA6C-730-U-T3R**

Issue Date: 02/26/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P477705  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA6C-730-U-T3R  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T3R distribution lens  
Light Source: (96) 3000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

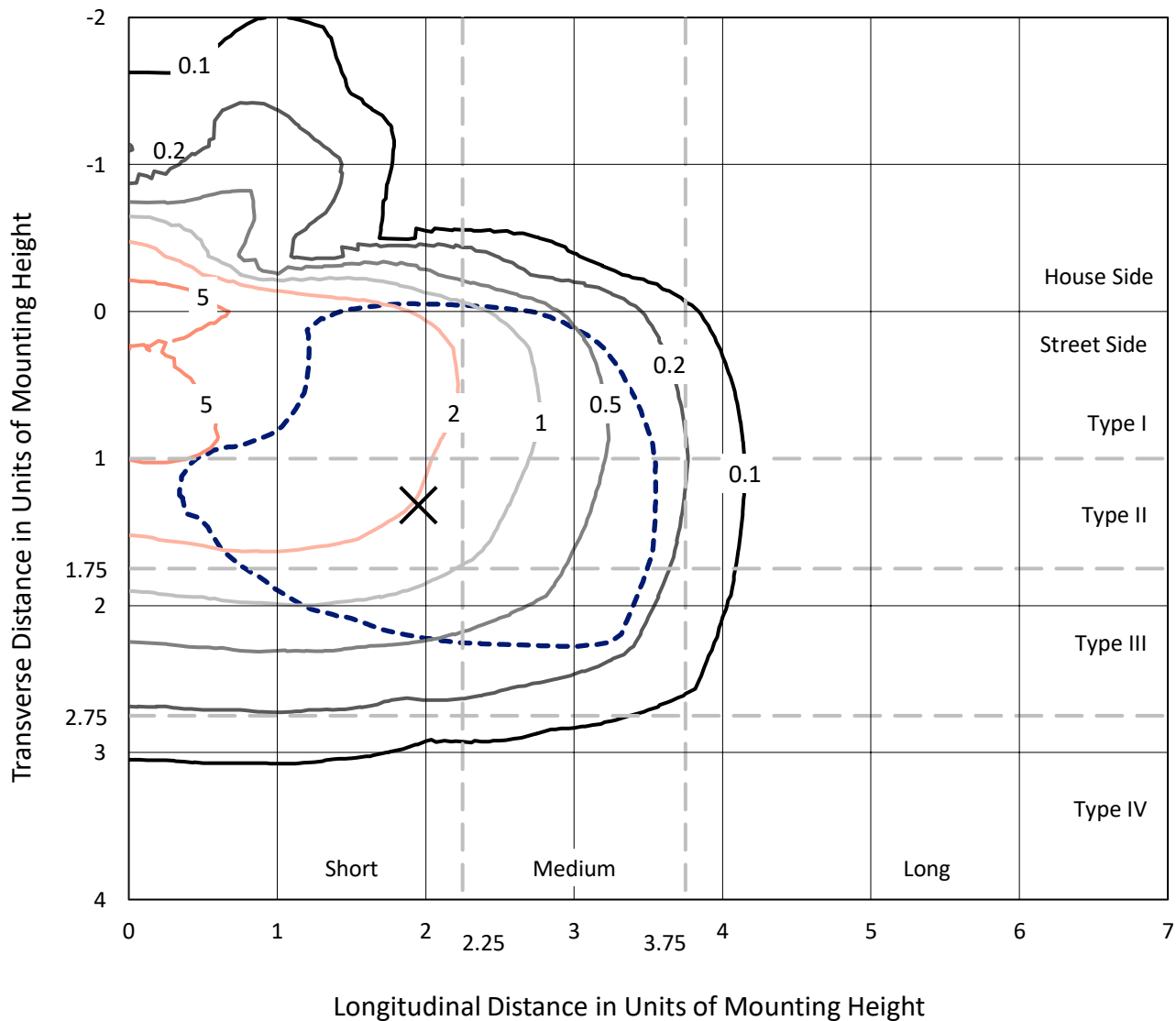
Lumens per Lamp: N/A  
Luminaire Lumens: 37167.3 lumens  
Efficiency: N/A  
Efficacy: 115.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G5

Input Watts (W): 321.5  
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

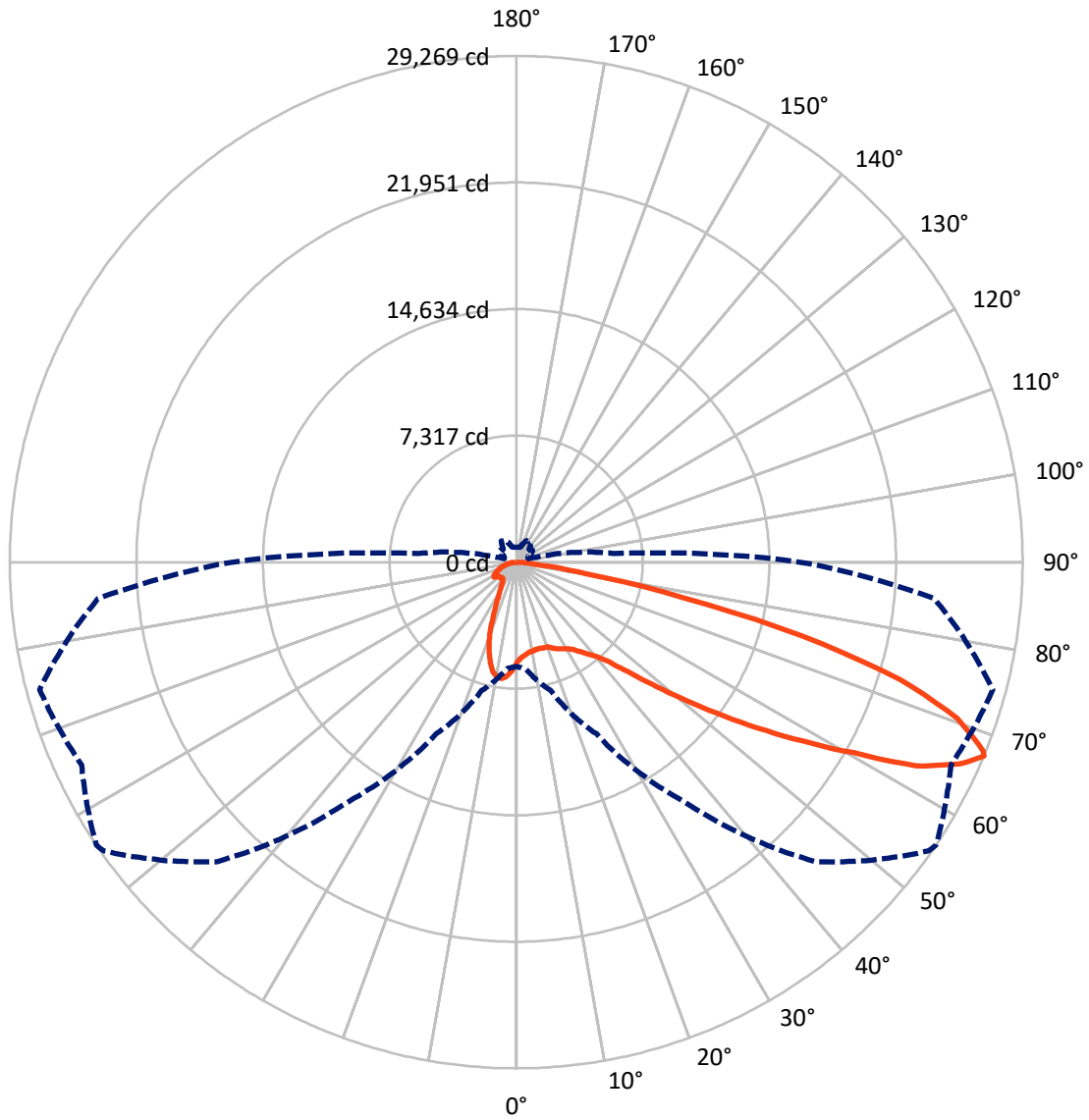
✕ Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 7.1 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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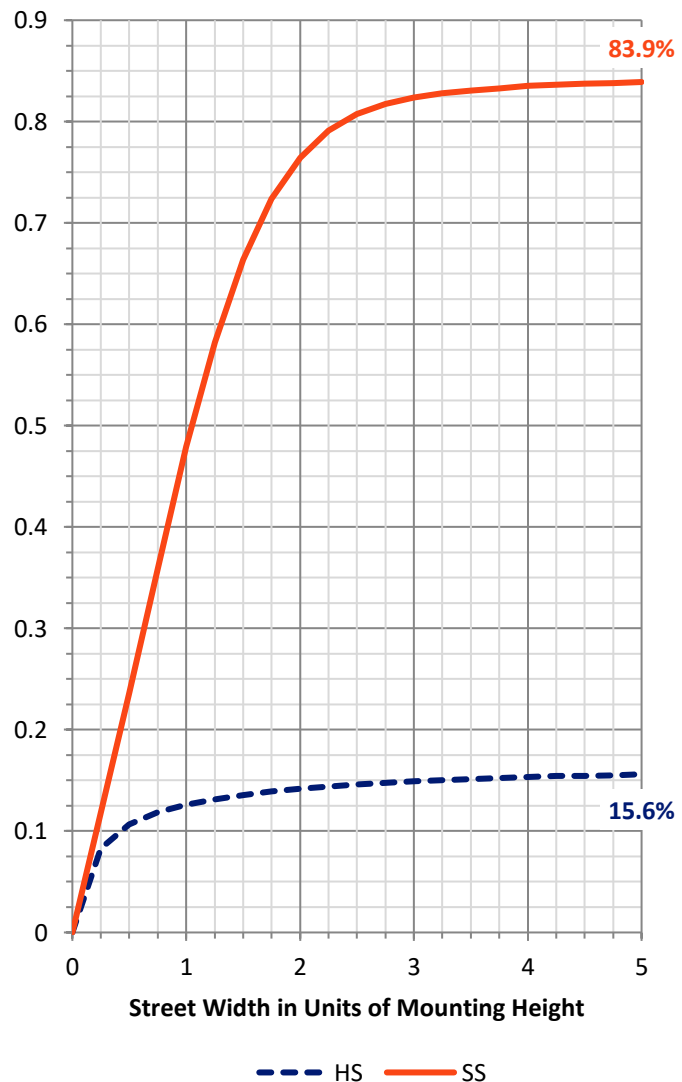
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5884.0	0.0	5884.0
	% Fixture	15.8	0.0	15.8
<b>Street Side</b>	Lumens	31283.3	0.0	31283.3
	% Fixture	84.2	0.0	84.2
<b>Total</b>	Lumens	37167.3	0.0	37167.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	557.1	1.5
10°-20°	1519.9	4.1
20°-30°	2383.7	6.4
30°-40°	3402.8	9.2
40°-50°	5135.7	13.8
50°-60°	8175.2	22.0
60°-70°	10451.3	28.1
70°-80°	5095.7	13.7
80°-90°	445.8	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°	37167.3	100.0
0°-180°	37167.3	100.0

**Coefficient of Utilization**

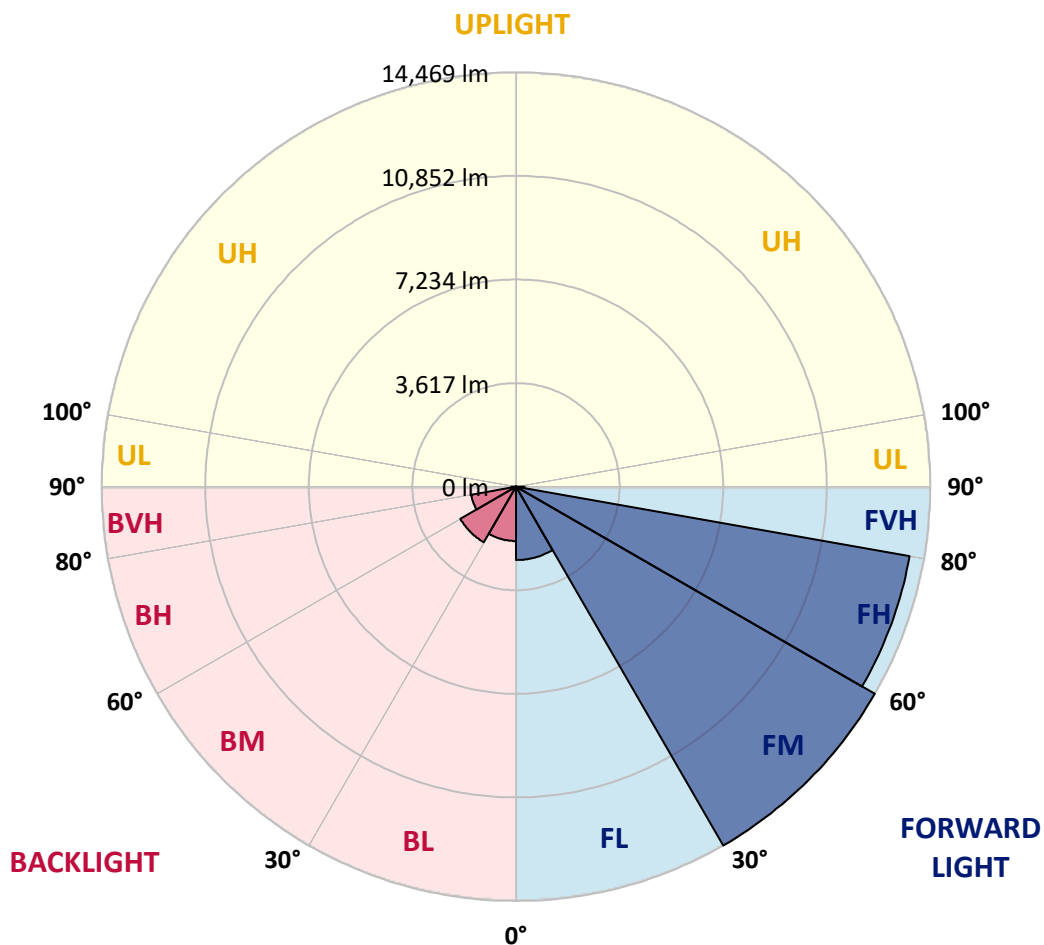


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2561.2	6.9			
FM (30°-60°)	14468.9	38.9			
FH (60°-80°)	13957.1	37.6			G5
FVH (80°-90°)	296.0	0.8			G3/500
BL (0°-30°)	1899.5	5.1	B3/2500		
BM (30°-60°)	2244.8	6.0	B2/2500		
BH (60°-80°)	1589.9	4.3	B3/2500		G3/2500
BVH (80°-90°)	149.7	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°	5783.1	5783.1	5783.1	5783.1	5783.1	5783.1	5783.1	5783.1	5783.1	5783.1
2.5°	5312.5	5290.7	5316.8	5290.7	5408.3	5478.1	5499.9	5530.4	5639.3	5743.9
5°	5090.2	4994.3	5098.9	5133.8	5142.5	5260.2	5382.2	5404.0	5460.6	5630.6
7.5°	4719.8	4828.7	4789.5	4894.1	5003.0	5120.7	5321.2	5264.5	5473.7	5635.0
10°	4641.3	4650.0	4693.6	4732.8	4828.7	4981.2	5260.2	5225.3	5438.8	5783.1
12.5°	4719.8	4719.8	4706.7	4676.2	4785.1	4933.3	5155.6	5173.0	5508.6	5826.7
15°	4994.3	5046.6	4907.2	4928.9	4885.4	4933.3	5129.4	5168.6	5534.7	5861.6
17.5°	5665.5	5648.0	5482.4	5251.4	5059.7	5029.2	5164.3	5207.9	5508.6	5961.8
20°	6319.2	6284.3	5996.7	5757.0	5377.8	5199.1	5220.9	5225.3	5552.1	6027.2
22.5°	7047.0	7138.5	6824.7	6336.6	5865.9	5421.4	5334.2	5404.0	5652.4	6062.0
25°	8188.8	7992.7	7722.5	7081.8	6323.5	5765.7	5521.6	5556.5	5748.3	6149.2
27.5°	9012.4	8934.0	8511.3	7992.7	6964.2	6035.9	5621.9	5687.2	5922.6	6144.8
30°	9805.6	9805.6	9548.5	8772.7	7639.7	6489.1	5835.4	5804.9	5839.8	6136.1
32.5°	10733.9	10607.5	10237.0	9722.8	8489.5	6903.1	6005.4	6014.1	6014.1	6297.4
35°	11222.0	11426.8	11178.4	10341.6	9138.8	7591.7	6415.0	6349.7	6301.7	6476.1
37.5°	11936.7	12058.7	11797.2	11304.8	9945.1	8149.5	6776.8	6724.5	6445.5	6615.5
40°	12368.1	12346.3	12337.6	12111.0	11012.8	8807.6	7308.4	7173.3	6798.6	7108.0
42.5°	12612.2	12568.6	13104.6	12965.2	12019.5	9775.1	7975.2	7901.1	7487.1	7983.9
45°	12886.7	13209.2	13649.4	14041.6	13191.8	11134.8	9104.0	8999.4	8628.9	9260.8
47.5°	13126.4	13523.0	14085.2	14503.6	14250.8	12612.2	10498.5	10524.7	10280.6	10930.0
50°	13527.4	13566.6	14329.3	15174.7	15370.8	13976.3	12372.5	12328.9	12220.0	13130.8
52.5°	13405.3	13523.0	14486.1	15566.9	15889.4	15418.8	14385.9	14516.6	14372.8	15519.0
55°	11418.1	11771.1	14390.3	15981.0	17118.4	17048.7	16974.6	16887.4	16878.7	18203.6
57.5°	10516.0	10803.6	12677.6	16438.5	18434.5	18948.8	19428.2	19524.0	19519.7	21119.1
60°	9923.3	10219.6	11984.6	16190.1	19554.5	21437.2	22356.8	22369.8	22343.7	24235.1
62.5°	8764.0	9051.7	10786.2	14830.4	19864.0	23733.9	25782.2	25952.2	24753.7	26919.6
65°	7369.5	7604.8	9134.5	12751.6	19040.3	25193.9	28357.8	28157.3	26784.5	28453.7
67°	6027.2	6184.1	7674.5	10947.4	16887.4	24492.2	29103.0	29268.6	27721.5	28519.0
67.5°	5643.7	5787.5	7195.1	10332.9	16068.1	23960.5	29129.2	29103.0	27739.0	28532.1
70°	3917.9	3978.9	4902.8	7108.0	11836.5	20243.1	27002.4	27063.5	26575.4	26985.0
72.5°	2597.4	2688.9	3277.2	4480.1	6977.2	14730.2	22570.3	23224.0	22914.6	22125.8
75°	1673.5	1725.8	2144.2	2667.1	3434.1	8389.2	16673.9	17109.7	16399.3	13684.3
77.5°	937.0	993.6	1294.3	1621.2	1673.5	3490.8	9365.4	9905.8	8393.6	5813.6
80°	584.0	658.1	976.2	963.1	797.5	1281.3	3861.2	4135.8	3355.7	2000.3
82.5°	440.2	496.8	753.9	675.5	448.9	570.9	1446.9	1551.5	1229.0	771.4
85°	300.7	379.1	544.8	418.4	235.3	274.6	575.3	618.8	562.2	374.8
87.5°	109.0	161.2	283.3	209.2	104.6	82.8	187.4	209.2	200.5	170.0
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°
5783.1	0°	5783.1	5783.1	5783.1	5783.1	5783.1	5783.1	5783.1	5783.1	5783.1	5783.1
5835.4	2.5°	5918.2	5979.2	6009.7	6188.4	6262.5	6249.4	6266.9	6293.0	6319.2	6354.0
5909.5	5°	5966.2	6153.6	6253.8	6463.0	6602.4	6541.4	6619.9	6598.1	6567.6	6563.2
6044.6	7.5°	6123.1	6362.7	6663.5	6720.1	6781.1	6628.6	6497.8	6319.2	6275.6	6123.1
6157.9	10°	6402.0	6598.1	6964.2	6985.9	6715.7	6323.5	6031.5	5661.1	5656.7	5434.5
6332.2	12.5°	6667.8	6890.1	7186.4	7060.0	6415.0	5879.0	5404.0	4998.7	4828.7	4715.4
6436.8	15°	6833.4	7199.5	7356.4	6811.6	5887.7	5164.3	4549.8	4114.0	3939.7	3856.9
6567.6	17.5°	6985.9	7495.8	7426.1	6375.8	5238.4	4427.8	3695.6	3316.5	3268.5	3207.5
6776.8	20°	7195.1	7604.8	7177.7	5809.3	4501.9	3477.7	3011.4	2828.4	2872.0	2898.1
6798.6	22.5°	7391.2	7661.4	6863.9	5190.4	3556.2	2754.3	2523.3	2562.5	2627.9	2715.1
6850.8	25°	7478.4	7753.0	6441.2	4336.3	2706.3	2318.5	2266.2	2331.6	2440.5	2444.9
6924.9	27.5°	7535.1	7687.6	5931.3	3503.9	2139.8	2026.5	2104.9	2152.9	2165.9	2218.2
7081.8	30°	7635.3	7552.5	5286.3	2505.9	1795.5	1799.9	1900.1	1900.1	1900.1	1939.3
7238.7	32.5°	7809.6	7461.0	4532.4	1830.4	1547.1	1686.6	1660.4	1651.7	1634.3	1586.3
7439.2	35°	7918.6	7212.6	3578.0	1355.4	1390.2	1547.1	1538.4	1403.3	1176.7	1063.4
7949.1	37.5°	8145.2	7086.2	2632.3	1045.9	1298.7	1477.4	1429.4	1102.6	854.2	745.2
8581.0	40°	8633.3	7003.4	1821.7	915.2	1237.7	1442.5	1276.9	941.3	653.7	462.0
9557.2	42.5°	9230.3	7007.7	1237.7	862.9	1242.0	1516.6	1229.0	806.2	462.0	370.4
10860.2	45°	10032.2	6942.4	849.8	862.9	1320.5	1638.6	1259.5	732.2	448.9	470.7
12494.5	47.5°	10895.1	6999.0	631.9	784.4	1333.6	1643.0	1150.5	719.1	431.4	544.8
14272.6	50°	11901.8	7055.7	523.0	723.4	1337.9	1590.7	1059.0	701.6	448.9	575.3
16312.2	52.5°	12939.0	7234.4	444.5	684.2	1390.2	1568.9	1059.0	727.8	448.9	501.2
18909.6	55°	14486.1	7691.9	640.6	854.2	1582.0	1712.7	1303.1	1019.8	627.6	645.0
21398.0	57.5°	16194.5	8162.6	714.7	897.8	1625.6	1542.7	1403.3	1124.4	662.4	666.8
23333.0	60°	17318.9	8180.1	710.4	876.0	1521.0	1333.6	1372.8	1185.4	675.5	570.9
24531.4	62.5°	17767.8	7648.4	740.9	876.0	1416.4	1246.4	1407.6	1276.9	697.3	714.7
24871.4	65°	17257.9	6550.1	714.7	784.4	1246.4	1115.7	1416.4	1294.3	762.7	719.1
24261.2	67°	16460.3	5643.7	727.8	745.2	1159.2	1059.0	1490.5	1359.7	884.7	862.9
23943.1	67.5°	16233.7	5404.0	723.4	723.4	1128.7	1041.6	1507.9	1359.7	902.1	893.4
21132.2	70°	14307.5	4379.8	740.9	714.7	998.0	989.3	1603.8	1433.8	1037.2	1045.9
15523.4	72.5°	10890.8	3320.8	736.5	714.7	867.3	945.7	1616.8	1481.7	1128.7	1045.9
8694.3	75°	6188.4	1987.3	649.3	623.2	684.2	823.7	1512.2	1412.0	1098.2	937.0
3473.4	77.5°	2558.2	1024.1	597.1	562.2	566.5	671.1	1259.5	1316.1	1045.9	797.5
1159.2	80°	954.4	614.5	479.4	448.9	435.8	492.5	897.8	1050.3	893.4	653.7
509.9	82.5°	496.8	383.5	326.9	326.9	296.3	313.8	483.7	697.3	675.5	448.9
204.8	85°	252.8	217.9	187.4	183.0	165.6	148.2	244.1	414.0	387.9	248.4
91.5	87.5°	135.1	122.0	78.4	74.1	61.0	39.2	43.6	82.8	135.1	109.0
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>
5783.1
6388.9
6602.4
6175.3
5425.8
4689.3
3839.4
3238.0
2867.6
2667.1
2488.4
2266.2
1982.9
1560.2
1115.7
740.9
448.9
361.7
479.4
605.8
666.8
514.2
679.9
645.0
588.3
723.4
706.0
849.8
876.0
967.5
928.3
836.7
753.9
597.1
353.0
204.8
78.4
0.0

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