

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: P477704

Luminaire Tested: **IFLD-S-SA6B-730-U-T3R**

Issue Date: 02/26/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P477704  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA6B-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**

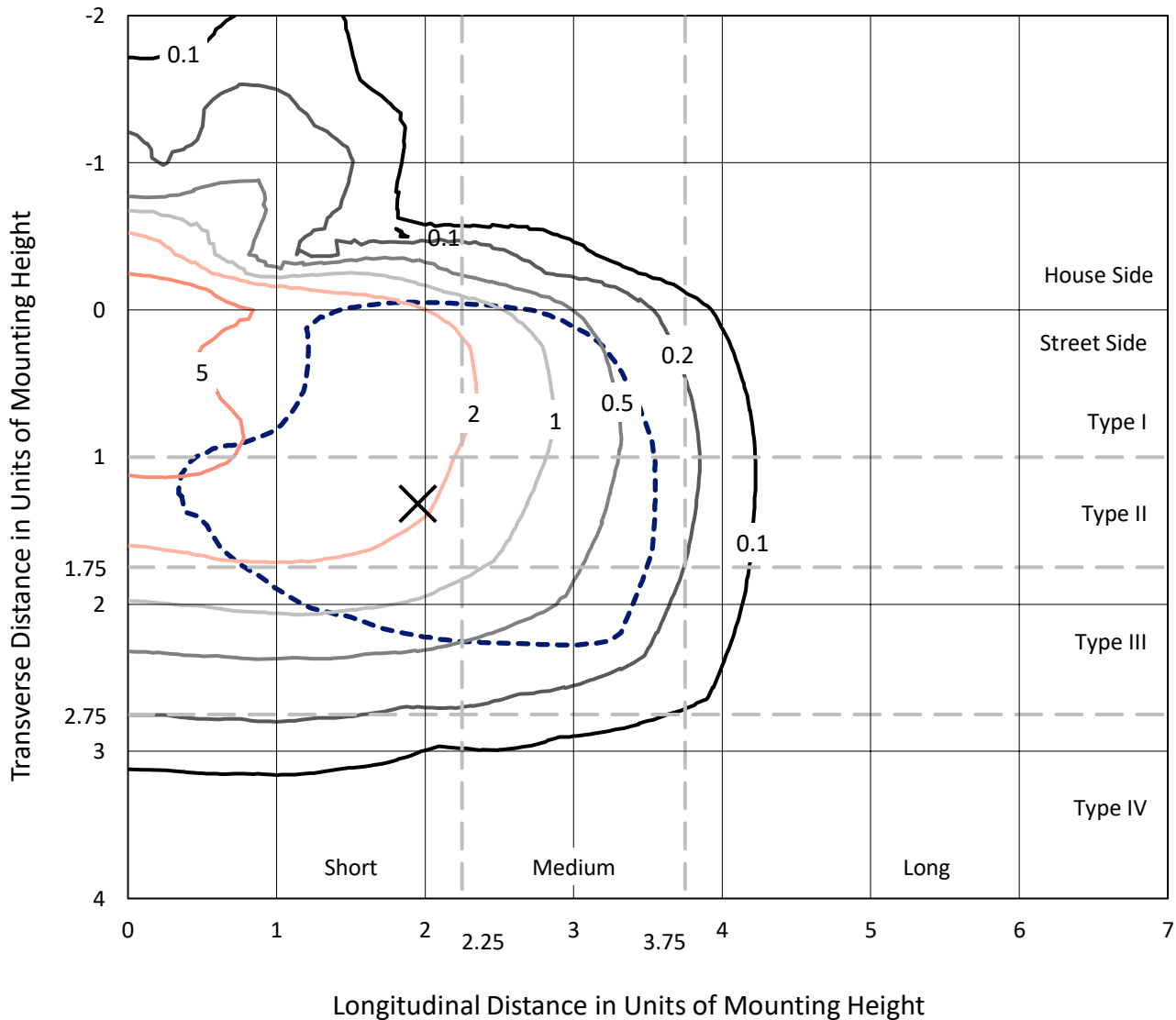
Lumens per Lamp: N/A  
Luminaire Lumens: 29857.4 lumens  
Efficiency: N/A  
Efficacy: 121.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G4

Input Watts (W): 244.9  
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

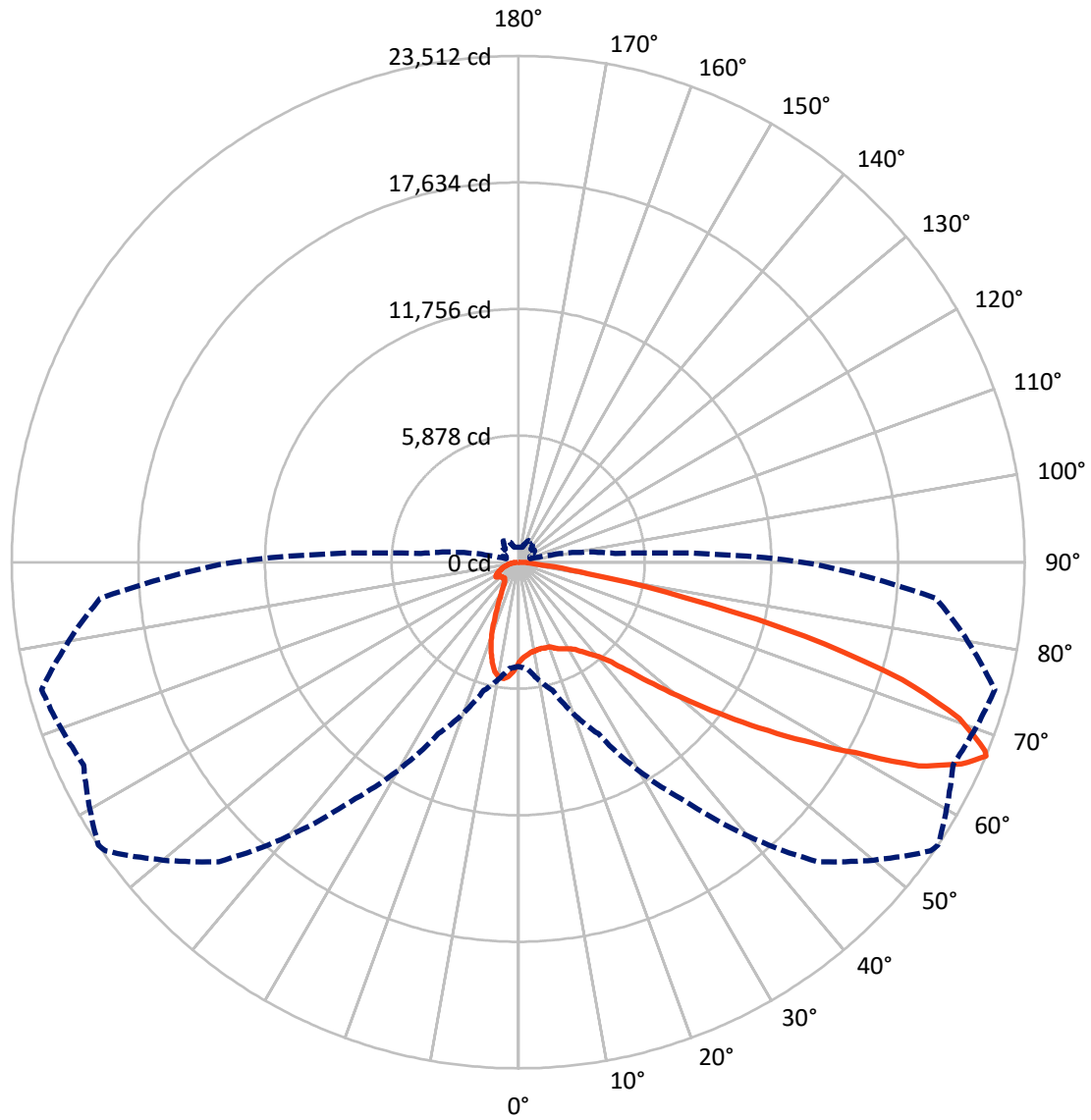
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.3 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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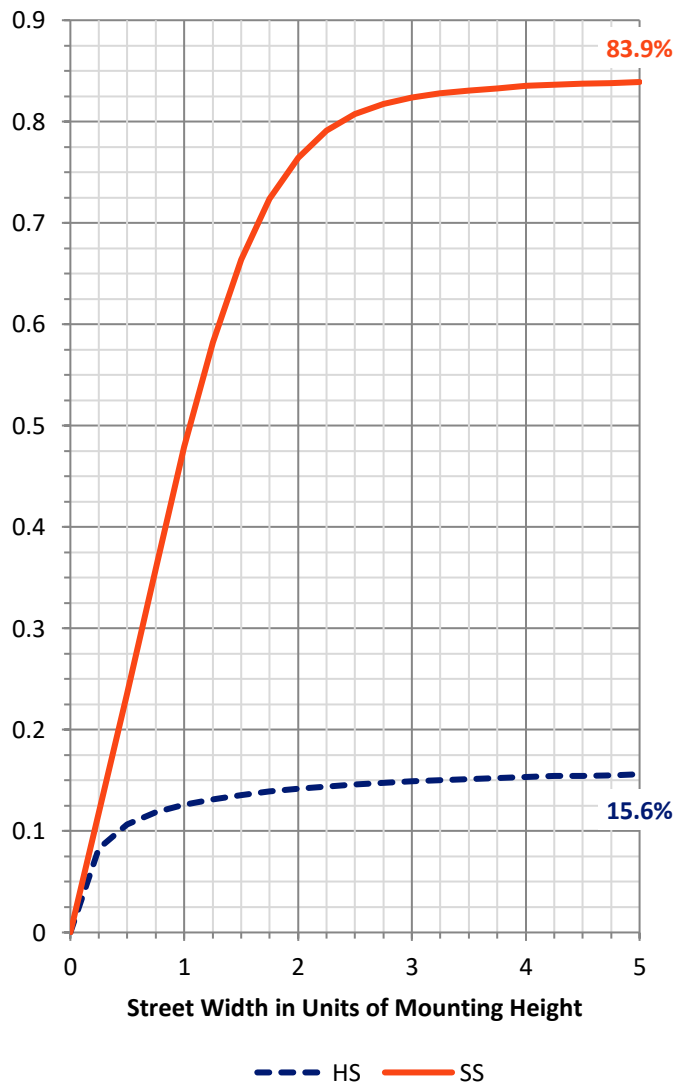
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4726.7	0.0	4726.7
	% Fixture	15.8	0.0	15.8
<b>Street Side</b>	Lumens	25130.7	0.0	25130.7
	% Fixture	84.2	0.0	84.2
<b>Total</b>	Lumens	29857.4	0.0	29857.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	447.6	1.5
10°-20°	1221.0	4.1
20°-30°	1914.9	6.4
30°-40°	2733.5	9.2
40°-50°	4125.7	13.8
50°-60°	6567.3	22.0
60°-70°	8395.8	28.1
70°-80°	4093.5	13.7
80°-90°	358.1	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°	29857.4	100.0
0°-180°	29857.4	100.0

**Coefficient of Utilization**

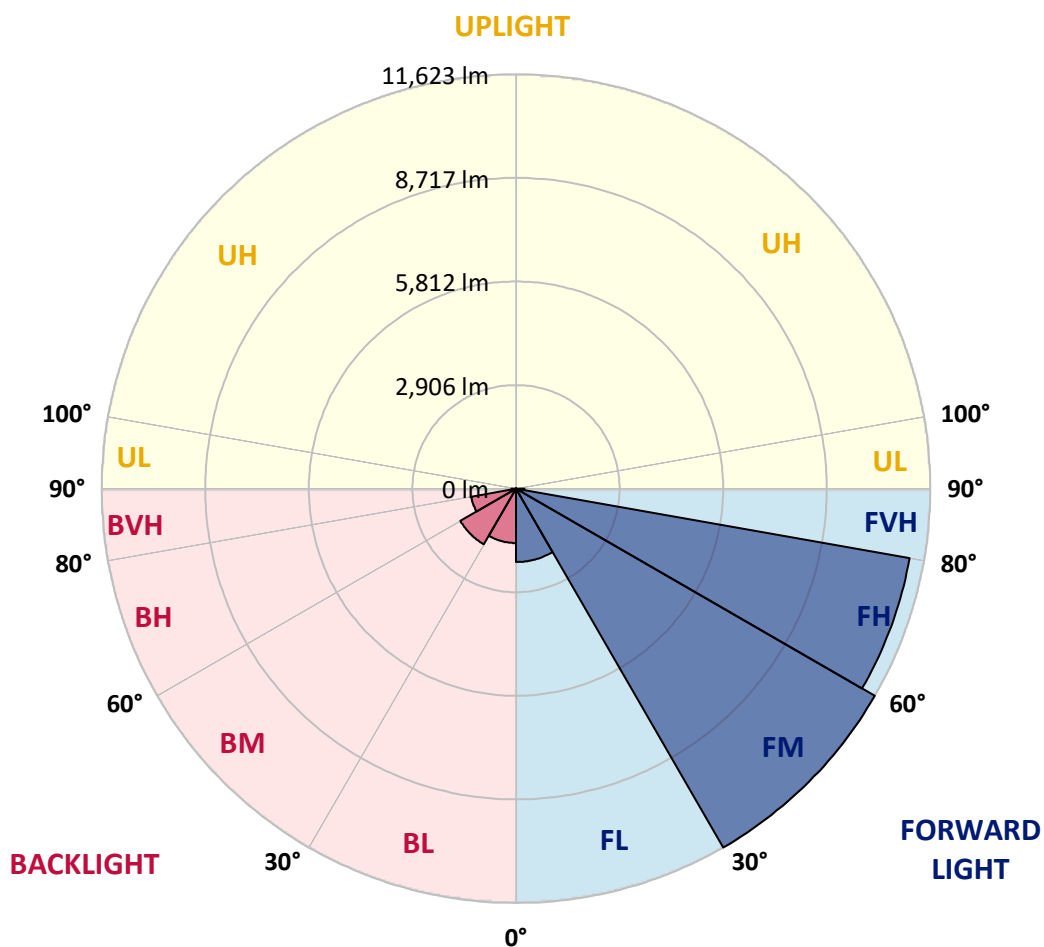


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2057.5	6.9			
FM (30°-60°)	11623.2	38.9			
FH (60°-80°)	11212.1	37.6			G4/12000
FVH (80°-90°)	237.8	0.8			G3/500
BL (0°-30°)	1525.9	5.1	B3/2500		
BM (30°-60°)	1803.3	6.0	B2/2500		
BH (60°-80°)	1277.2	4.3	B3/2500		G3/2500
BVH (80°-90°)	120.3	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-G4**  
 Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°
0°	4645.7	4645.7	4645.7	4645.7	4645.7	4645.7	4645.7	4645.7	4645.7	4645.7
2.5°	4267.6	4250.1	4271.1	4250.1	4344.7	4400.7	4418.2	4442.7	4530.2	4614.2
5°	4089.1	4012.1	4096.1	4124.1	4131.1	4225.6	4323.7	4341.2	4386.7	4523.2
7.5°	3791.5	3879.0	3847.5	3931.5	4019.1	4113.6	4274.6	4229.1	4397.2	4526.7
10°	3728.5	3735.5	3770.5	3802.0	3879.0	4001.6	4225.6	4197.6	4369.2	4645.7
12.5°	3791.5	3791.5	3781.0	3756.5	3844.0	3963.1	4141.6	4155.6	4425.2	4680.7
15°	4012.1	4054.1	3942.1	3959.6	3924.5	3963.1	4120.6	4152.1	4446.2	4708.8
17.5°	4551.2	4537.2	4404.2	4218.6	4064.6	4040.1	4148.6	4183.6	4425.2	4789.3
20°	5076.4	5048.3	4817.3	4624.7	4320.2	4176.6	4194.1	4197.6	4460.2	4841.8
22.5°	5661.0	5734.5	5482.5	5090.4	4712.3	4355.2	4285.1	4341.2	4540.7	4869.8
25°	6578.3	6420.7	6203.7	5689.0	5079.9	4631.7	4435.7	4463.7	4617.7	4939.8
27.5°	7239.9	7176.9	6837.3	6420.7	5594.5	4848.8	4516.2	4568.7	4757.8	4936.3
30°	7877.1	7877.1	7670.5	7047.4	6137.1	5212.9	4687.7	4663.2	4691.3	4929.3
32.5°	8622.8	8521.3	8223.7	7810.6	6819.8	5545.5	4824.3	4831.3	4831.3	5058.8
35°	9014.9	9179.4	8979.9	8307.7	7341.5	6098.6	5153.4	5100.9	5062.3	5202.4
37.5°	9589.1	9687.1	9477.0	9081.4	7989.1	6546.7	5444.0	5401.9	5177.9	5314.4
40°	9935.6	9918.1	9911.1	9729.1	8846.9	7075.4	5871.1	5762.5	5461.5	5710.0
42.5°	10131.7	10096.7	10527.3	10415.3	9655.6	7852.6	6406.7	6347.2	6014.6	6413.7
45°	10352.3	10611.3	10964.9	11280.0	10597.3	8944.9	7313.4	7229.4	6931.8	7439.5
47.5°	10544.8	10863.4	11315.0	11651.1	11448.1	10131.7	8433.7	8454.8	8258.7	8780.3
50°	10866.9	10898.4	11511.1	12190.2	12347.8	11227.5	9939.1	9904.1	9816.6	10548.3
52.5°	10768.9	10863.4	11637.1	12505.3	12764.4	12386.3	11556.6	11661.6	11546.1	12466.8
55°	9172.4	9456.0	11560.1	12837.9	13751.7	13695.6	13636.1	13566.1	13559.1	14623.4
57.5°	8447.8	8678.8	10184.2	13205.5	14808.9	15222.1	15607.2	15684.2	15680.7	16965.5
60°	7971.6	8209.7	9627.6	13006.0	15708.7	17221.1	17959.8	17970.3	17949.3	19468.7
62.5°	7040.4	7271.4	8664.8	11913.7	15957.3	19066.1	20711.5	20848.1	19885.3	21625.3
65°	5920.1	6109.1	7338.0	10243.7	15295.6	20238.9	22780.6	22619.5	21516.7	22857.6
67°	4841.8	4967.8	6165.1	8794.3	13566.1	19675.2	23379.2	23512.3	22269.4	22910.1
67.5°	4533.7	4649.2	5780.0	8300.7	12907.9	19248.1	23400.2	23379.2	22283.4	22920.6
70°	3147.3	3196.4	3938.5	5710.0	9508.5	16261.8	21691.8	21740.8	21348.7	21677.8
72.5°	2086.6	2160.1	2632.7	3599.0	5605.0	11833.2	18131.3	18656.5	18407.9	17774.2
75°	1344.4	1386.4	1722.5	2142.6	2758.7	6739.3	13394.6	13744.7	13174.0	10992.9
77.5°	752.7	798.2	1039.8	1302.3	1344.4	2804.2	7523.5	7957.6	6742.8	4670.2
80°	469.1	528.6	784.2	773.7	640.7	1029.3	3101.8	3322.4	2695.7	1606.9
82.5°	353.6	399.1	605.7	542.6	360.6	458.6	1162.3	1246.3	987.3	619.7
85°	241.6	304.6	437.6	336.1	189.1	220.6	462.1	497.1	451.6	301.1
87.5°	87.5	129.5	227.6	168.0	84.0	66.5	150.5	168.0	161.0	136.5
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°
4645.7	0°	4645.7	4645.7	4645.7	4645.7	4645.7	4645.7	4645.7	4645.7	4645.7	4645.7
4687.7	2.5°	4754.3	4803.3	4827.8	4971.3	5030.8	5020.3	5034.3	5055.3	5076.4	5104.4
4747.3	5°	4792.8	4943.3	5023.8	5191.9	5303.9	5254.9	5317.9	5300.4	5275.9	5272.4
4855.8	7.5°	4918.8	5111.4	5352.9	5398.4	5447.5	5324.9	5219.9	5076.4	5041.3	4918.8
4946.8	10°	5142.9	5300.4	5594.5	5612.0	5394.9	5079.9	4845.3	4547.7	4544.2	4365.7
5086.9	12.5°	5356.4	5535.0	5773.0	5671.5	5153.4	4722.8	4341.2	4015.6	3879.0	3788.0
5170.9	15°	5489.5	5783.5	5909.6	5472.0	4729.8	4148.6	3655.0	3304.9	3164.8	3098.3
5275.9	17.5°	5612.0	6021.6	5965.6	5121.9	4208.1	3556.9	2968.8	2664.2	2625.7	2576.7
5444.0	20°	5780.0	6109.1	5766.0	4666.7	3616.5	2793.7	2419.1	2272.1	2307.1	2328.1
5461.5	22.5°	5937.6	6154.6	5514.0	4169.6	2856.8	2212.6	2027.0	2058.5	2111.1	2181.1
5503.5	25°	6007.6	6228.2	5174.4	3483.4	2174.1	1862.5	1820.5	1873.0	1960.5	1964.0
5563.0	27.5°	6053.1	6175.6	4764.8	2814.8	1719.0	1627.9	1691.0	1729.5	1740.0	1782.0
5689.0	30°	6133.6	6067.1	4246.6	2013.0	1442.4	1445.9	1526.4	1526.4	1526.4	1557.9
5815.0	32.5°	6273.7	5993.6	3641.0	1470.4	1242.8	1354.9	1333.9	1326.9	1312.8	1274.3
5976.1	35°	6361.2	5794.0	2874.3	1088.8	1116.8	1242.8	1235.8	1127.3	945.3	854.2
6385.7	37.5°	6543.2	5692.5	2114.6	840.2	1043.3	1186.8	1148.3	885.7	686.2	598.7
6893.3	40°	6935.3	5626.0	1463.4	735.2	994.3	1158.8	1025.8	756.2	525.1	371.1
7677.5	42.5°	7415.0	5629.5	994.3	693.2	997.8	1218.3	987.3	647.7	371.1	297.6
8724.3	45°	8059.1	5577.0	682.7	693.2	1060.8	1316.4	1011.8	588.2	360.6	378.1
10037.2	47.5°	8752.3	5622.5	507.6	630.2	1071.3	1319.9	924.2	577.7	346.6	437.6
11465.6	50°	9561.0	5668.0	420.1	581.2	1074.8	1277.8	850.7	563.7	360.6	462.1
13104.0	52.5°	10394.3	5811.5	357.1	549.6	1116.8	1260.3	850.7	584.7	360.6	402.6
15190.5	55°	11637.1	6179.1	514.6	686.2	1270.8	1375.9	1046.8	819.2	504.1	518.1
17189.6	57.5°	13009.5	6557.2	574.2	721.2	1305.8	1239.3	1127.3	903.2	532.1	535.6
18744.0	60°	13912.7	6571.3	570.7	703.7	1221.8	1071.3	1102.8	952.3	542.6	458.6
19706.8	62.5°	14273.3	6144.1	595.2	703.7	1137.8	1001.3	1130.8	1025.8	560.1	574.2
19979.8	65°	13863.7	5261.9	574.2	630.2	1001.3	896.2	1137.8	1039.8	612.7	577.7
19489.7	67°	13223.0	4533.7	584.7	598.7	931.2	850.7	1197.3	1092.3	710.7	693.2
19234.1	67.5°	13041.0	4341.2	581.2	581.2	906.7	836.7	1211.3	1092.3	724.7	717.7
16976.0	70°	11493.6	3518.4	595.2	574.2	801.7	794.7	1288.3	1151.8	833.2	840.2
12470.3	72.5°	8748.8	2667.7	591.7	574.2	696.7	759.7	1298.8	1190.3	906.7	840.2
6984.4	75°	4971.3	1596.4	521.6	500.6	549.6	661.7	1214.8	1134.3	882.2	752.7
2790.2	77.5°	2055.0	822.7	479.6	451.6	455.1	539.1	1011.8	1057.3	840.2	640.7
931.2	80°	766.7	493.6	385.1	360.6	350.1	395.6	721.2	843.7	717.7	525.1
409.6	82.5°	399.1	308.1	262.6	262.6	238.1	252.1	388.6	560.1	542.6	360.6
164.5	85°	203.1	175.0	150.5	147.0	133.0	119.0	196.1	332.6	311.6	199.6
73.5	87.5°	108.5	98.0	63.0	59.5	49.0	31.5	35.0	66.5	108.5	87.5
0.0	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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180°
4645.7
5132.4
5303.9
4960.8
4358.7
3767.0
3084.3
2601.2
2303.6
2142.6
1999.0
1820.5
1592.9
1253.3
896.2
595.2
360.6
290.6
385.1
486.6
535.6
413.1
546.1
518.1
472.6
581.2
567.2
682.7
703.7
777.2
745.7
672.2
605.7
479.6
283.6
164.5
63.0
0.0

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