

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: P477315

Luminaire Tested: **IFLD-S-SA6C-730-U-T3**

Issue Date: 02/26/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P477315  
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-T3  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T3  
distribution lens  
Light Source: (96) 3000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

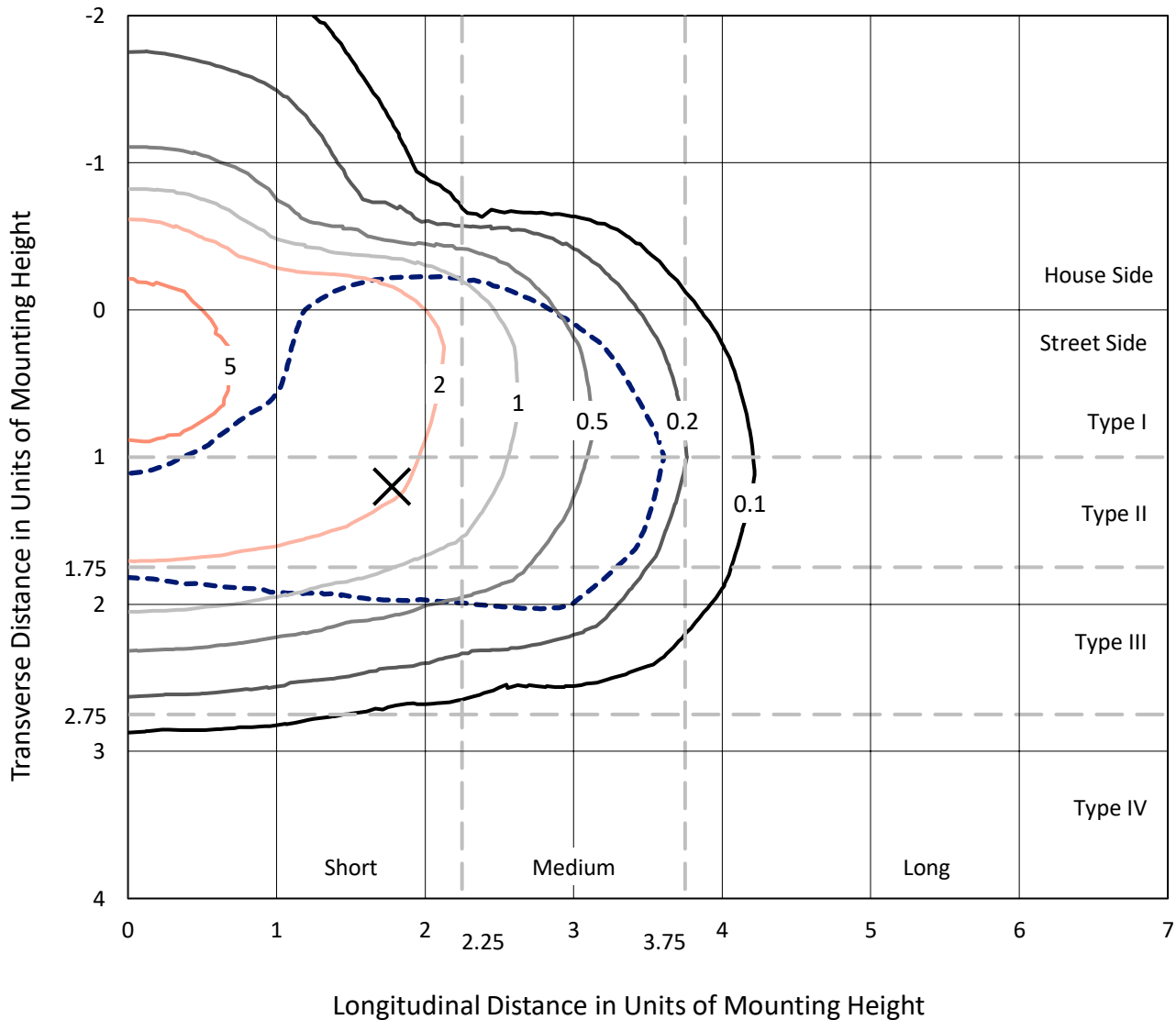
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 38537.9 lumens  
Efficiency: N/A  
Efficacy: 119.9 lumens/watt  
Luminous Opening: Vertical Cylinder (Dia: 1' x H: 0.5')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G5  
  
Input Watts (W): 321.5  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): 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

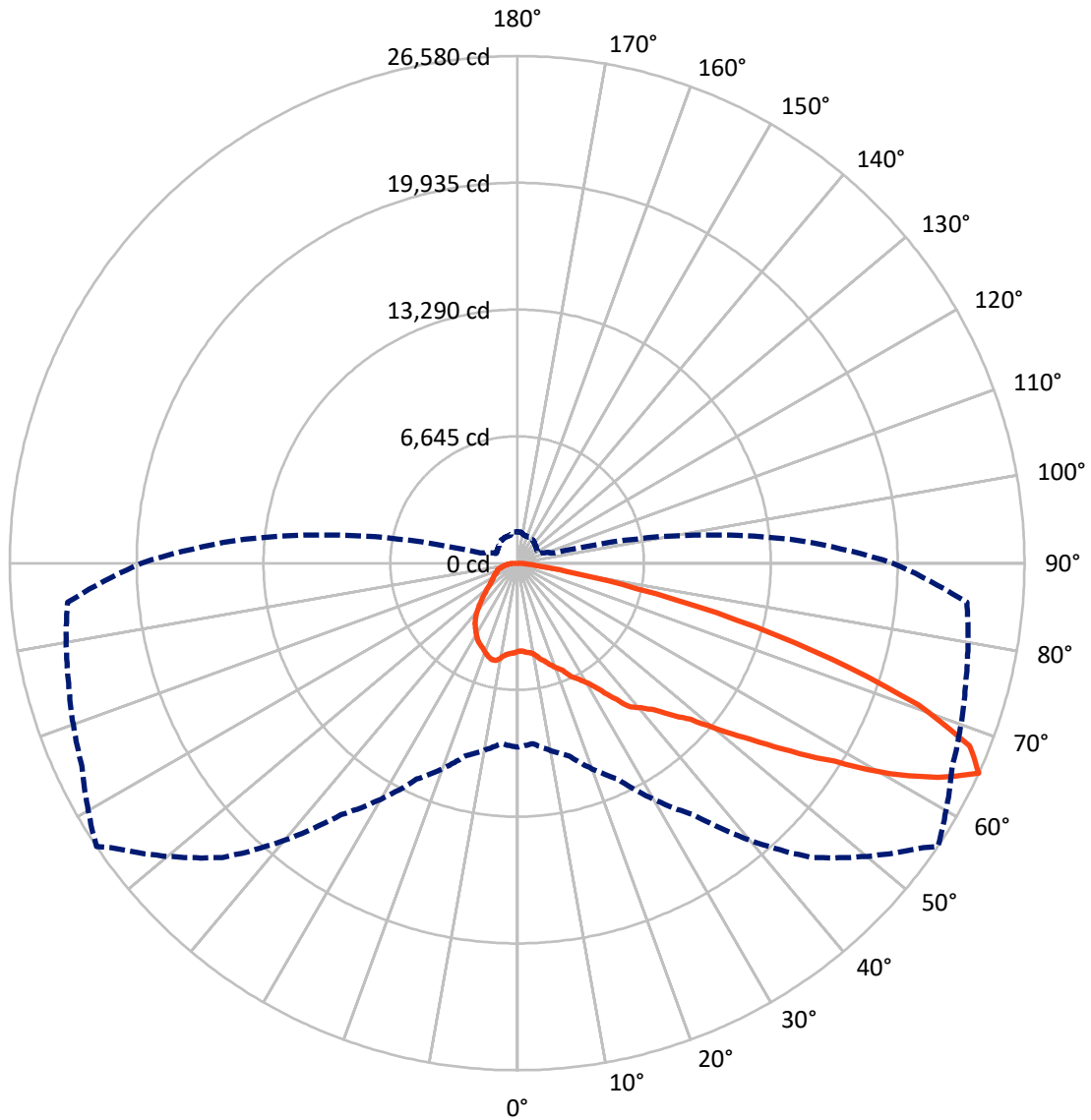
✕ Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 5.9 fc  
 Type III - Short - N/A

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CATALOG NUMBER: IFLD-S-SA6C-730-U-T3

### Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral    - - - Horizontal Cone Through 65-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	8642.8	0.0	8642.8
	% Fixture	22.4	0.0	22.4
<b>Street Side</b>	Lumens	29895.1	0.0	29895.1
	% Fixture	77.6	0.0	77.6
<b>Total</b>	Lumens	38537.9	0.0	38537.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	458.4	1.2
10°-20°	1488.4	3.9
20°-30°	2650.3	6.9
30°-40°	3968.7	10.3
40°-50°	5880.1	15.3
50°-60°	9060.4	23.5
60°-70°	10257.5	26.6
70°-80°	4257.0	11.0
80°-90°	517.2	1.3
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°	38537.9	100.0
0°-180°	38537.9	100.0

**Coefficient of Utilization**

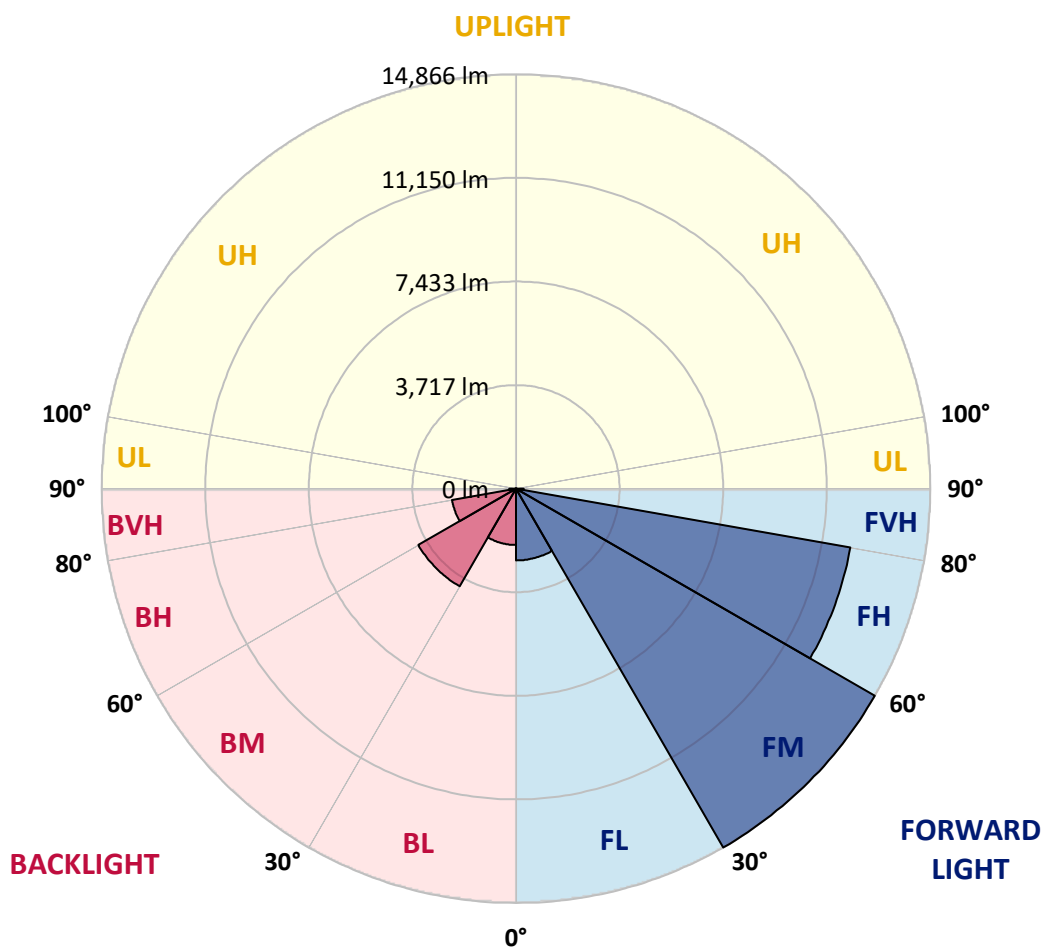


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2575.4	6.7			
FM (30°-60°)	14866.2	38.6			
FH (60°-80°)	12180.6	31.6			G5
FVH (80°-90°)	272.8	0.7			G3/500
BL (0°-30°)	2021.6	5.2	B3/2500		
BM (30°-60°)	4042.9	10.5	B3/5000		
BH (60°-80°)	2333.8	6.1	B3/2500		G3/2500
BVH (80°-90°)	244.4	0.6			G3/500
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°	4625.6	4625.6	4625.6	4625.6	4625.6	4625.6	4625.6	4625.6	4625.6	4625.6
2.5°	4504.7	4528.9	4512.7	4561.1	4601.4	4601.4	4633.7	4609.5	4641.8	4686.1
5°	4653.9	4557.1	4609.5	4633.7	4621.6	4641.8	4609.5	4690.2	4637.7	4722.4
7.5°	4690.2	4726.5	4770.8	4730.5	4766.8	4746.6	4750.7	4738.6	4710.3	4778.9
10°	4956.3	4903.9	5004.7	4944.2	4936.2	4928.1	4912.0	4851.5	4920.0	4924.1
12.5°	5262.8	5214.4	5210.4	5162.0	5226.5	5109.6	5133.8	5101.5	5113.6	5129.7
15°	5484.6	5464.5	5557.2	5500.8	5416.1	5363.6	5420.1	5331.4	5375.7	5367.7
17.5°	5924.2	5920.2	5851.6	5758.9	5710.5	5633.8	5621.7	5585.5	5617.7	5601.6
20°	6230.7	6275.1	6287.2	6178.3	5992.8	5908.1	5887.9	5859.7	5896.0	5883.9
22.5°	6698.5	6630.0	6682.4	6492.8	6424.3	6222.6	6150.0	6109.7	6283.1	6238.8
25°	6996.9	7069.5	7017.1	6952.6	6799.3	6549.3	6496.9	6585.6	6654.1	6605.8
27.5°	7670.4	7597.8	7549.4	7355.9	7255.0	6992.9	6932.4	6900.1	6916.3	6944.5
30°	8182.6	8222.9	8114.0	7976.9	7722.8	7456.7	7315.5	7287.3	7230.8	7182.4
32.5°	8912.5	8852.0	8787.5	8698.8	8481.0	8130.2	7993.0	7888.2	7718.8	7493.0
35°	9263.4	9436.8	9388.4	9150.5	8985.1	8852.0	8811.7	8650.4	8509.2	8154.4
37.5°	9848.1	9920.7	9852.2	9775.5	9698.9	9557.8	9509.4	9553.7	9275.5	8690.7
40°	10227.2	10380.5	10521.6	10307.9	10291.7	10320.0	10021.6	9969.1	9396.5	9090.0
42.5°	11001.5	11066.0	11094.3	11086.2	11179.0	11179.0	10610.3	10497.4	10090.1	9840.1
45°	12025.9	12078.3	12179.1	12251.7	12146.8	12199.3	11388.7	11344.3	10981.4	10933.0
47.5°	12913.1	13038.1	13263.9	13477.7	13614.8	13437.3	12550.1	12235.6	12142.8	12433.2
50°	13687.4	13538.2	14066.5	14284.2	14885.1	15179.5	13832.6	13707.5	13558.3	14114.9
52.5°	13764.0	13965.6	14711.7	15147.3	16385.3	16929.8	15405.4	15352.9	15171.5	15812.7
55°	14312.5	14288.3	15038.4	15982.1	17454.0	18369.5	17454.0	17421.8	17026.6	17635.5
57.5°	14219.7	14465.7	15058.5	16377.3	18417.9	19914.1	19829.4	19607.6	19055.1	19551.1
60°	13905.2	13969.7	14691.6	16365.2	18978.4	21498.9	22394.2	22438.6	21309.4	21704.6
62.5°	12122.6	12271.9	13187.3	15078.7	18579.2	22591.8	24898.6	24741.3	23838.0	23386.3
65°	9642.5	9493.3	10445.0	12489.6	16095.0	21817.5	25995.5	26580.3	25160.7	24334.0
67.5°	5912.1	5875.8	6791.3	8593.9	12042.0	18567.1	25120.4	25576.1	24793.8	24132.4
70°	3044.8	2952.0	3524.7	4795.0	7569.6	13622.9	21861.9	22309.5	23055.6	21644.1
72.5°	1419.6	1399.4	1705.9	2359.2	3855.4	8009.2	16929.8	17252.4	18825.2	18248.5
75°	834.8	846.9	1020.3	1234.0	1879.3	3774.7	11235.4	11860.5	13566.4	13151.0
77.5°	625.1	625.1	725.9	859.0	1096.9	1459.9	5545.1	6371.9	7932.6	7134.1
80°	459.7	467.8	556.5	645.3	762.2	754.1	2201.9	2581.0	3637.6	3109.3
82.5°	358.9	371.0	431.5	479.9	536.4	455.7	903.4	971.9	1496.2	1189.7
85°	250.0	258.1	338.8	326.7	326.7	254.1	375.1	395.2	592.8	564.6
87.5°	60.5	68.6	165.3	181.5	137.1	76.6	117.0	133.1	213.7	246.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P477315  
 CATALOG NUMBER: IFLD-S-SA6C-730-U-T3

**CANDELA DISTRIBUTION (continued):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
4625.6	0°	4625.6	4625.6	4625.6	4625.6	4625.6	4625.6	4625.6	4625.6	4625.6	4625.6
4706.3	2.5°	4645.8	4661.9	4730.5	4694.2	4714.4	4629.7	4698.2	4641.8	4690.2	4666.0
4742.6	5°	4774.9	4738.6	4778.9	4750.7	4750.7	4782.9	4831.3	4795.0	4867.6	4835.3
4770.8	7.5°	4827.3	4831.3	4855.5	4859.5	4839.4	4940.2	4944.2	4932.1	5000.7	4984.6
4964.4	10°	4956.3	4960.4	5004.7	5028.9	5008.8	5045.1	5004.7	4972.5	4968.4	4952.3
5117.6	12.5°	5162.0	5202.3	5194.3	5214.4	5218.5	5065.2	4972.5	4815.2	4795.0	4815.2
5343.5	15°	5351.5	5335.4	5343.5	5383.8	5214.4	4968.4	4803.1	4670.0	4678.1	4682.1
5637.9	17.5°	5577.4	5589.5	5601.6	5416.1	5105.5	4815.2	4670.0	4670.0	4629.7	4645.8
5843.6	20°	5835.5	5787.1	5682.2	5420.1	4916.0	4637.7	4593.4	4593.4	4545.0	4512.7
6065.4	22.5°	6037.1	5940.3	5783.1	5295.1	4746.6	4569.2	4460.3	4383.7	4327.2	4262.7
6311.4	25°	6166.2	6113.8	5807.3	5166.0	4621.6	4387.7	4226.4	4109.4	4036.8	3952.2
6504.9	27.5°	6363.8	6263.0	5875.8	5016.8	4484.5	4206.2	3956.2	3774.7	3637.6	3548.9
6799.3	30°	6630.0	6484.8	5827.4	4803.1	4274.8	3891.7	3597.3	3363.4	3206.1	3133.5
7077.6	32.5°	6847.7	6658.2	5787.1	4609.5	4040.9	3573.1	3181.9	2944.0	2855.2	2762.5
7545.4	35°	7263.1	6888.1	5758.9	4500.6	3831.2	3254.5	2843.1	2637.5	2524.5	2387.4
7823.7	37.5°	7581.7	7287.3	5690.3	4274.8	3561.0	2944.0	2585.0	2399.5	2230.1	2085.0
8468.9	40°	8081.8	7843.8	5694.3	3956.2	3242.4	2677.8	2383.4	2189.8	1976.1	1851.1
9424.7	42.5°	9021.4	8392.3	5718.5	3702.1	2883.5	2460.0	2201.9	1972.0	1758.3	1653.5
10513.6	45°	10174.8	9146.4	5569.3	3472.3	2516.5	2254.3	1984.1	1754.3	1617.2	1540.5
11993.6	47.5°	11501.6	9884.4	5367.7	3040.7	2210.0	2036.6	1782.5	1649.4	1548.6	1504.2
13901.1	50°	12985.7	10941.0	5311.2	2645.5	1972.0	1851.1	1685.7	1584.9	1516.3	1463.9
16050.6	52.5°	14897.2	12171.0	5198.3	2238.2	1766.4	1701.8	1649.4	1580.9	1520.4	1476.0
18054.9	55°	16724.1	13534.1	5077.3	1903.5	1621.2	1629.3	1657.5	1597.0	1544.6	1476.0
20301.2	57.5°	18780.8	14925.5	4629.7	1657.5	1512.3	1593.0	1649.4	1580.9	1528.4	1476.0
22599.9	60°	20051.2	15707.8	3754.6	1443.7	1415.5	1524.4	1601.0	1528.4	1472.0	1492.1
23656.5	62.5°	20567.4	15296.5	2831.0	1310.7	1347.0	1431.7	1524.4	1496.2	1455.8	1532.5
23644.4	65°	19688.2	14348.8	2024.5	1197.7	1254.2	1338.9	1455.8	1488.1	1500.2	1649.4
21716.7	67.5°	17518.6	12493.7	1488.1	1105.0	1157.4	1282.4	1504.2	1556.7	1548.6	1734.1
18224.3	70°	14018.1	9771.5	1161.5	1028.4	1121.1	1326.8	1572.8	1572.8	1516.3	1734.1
13901.1	72.5°	10199.0	6888.1	1000.1	939.6	1028.4	1217.9	1564.7	1560.7	1488.1	1584.9
8852.0	75°	6174.2	4008.6	883.2	850.9	883.2	1044.5	1496.2	1472.0	1371.2	1363.1
4258.7	77.5°	3077.0	2016.4	721.9	754.1	770.3	875.1	1314.7	1351.0	1213.9	1181.6
1681.7	80°	1298.6	879.2	600.9	649.3	649.3	738.0	1092.9	1117.1	1008.2	947.7
665.4	82.5°	592.8	504.1	512.2	564.6	528.3	572.7	867.1	895.3	818.7	717.8
282.3	85°	250.0	286.3	391.2	443.6	391.2	371.0	596.9	629.1	532.3	443.6
121.0	87.5°	112.9	157.3	246.0	322.6	197.6	173.4	318.6	330.7	266.2	197.6
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°  
4625.6  
4621.6  
4791.0  
4960.4  
4952.3  
4823.2  
4738.6  
4649.8  
4464.3  
4226.4  
3968.3  
3589.2  
3173.8  
2758.4  
2375.3  
2089.0  
1863.2  
1661.5  
1556.7  
1496.2  
1472.0  
1472.0  
1472.0  
1472.0  
1476.0  
1512.3  
1649.4  
1746.2  
1697.8  
1528.4  
1347.0  
1161.5  
927.5  
701.7  
447.6  
185.5  
0.0

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