

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: P477314

Luminaire Tested: **IFLD-S-SA6B-730-U-T3**

Issue Date: 02/26/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P477314  
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-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**

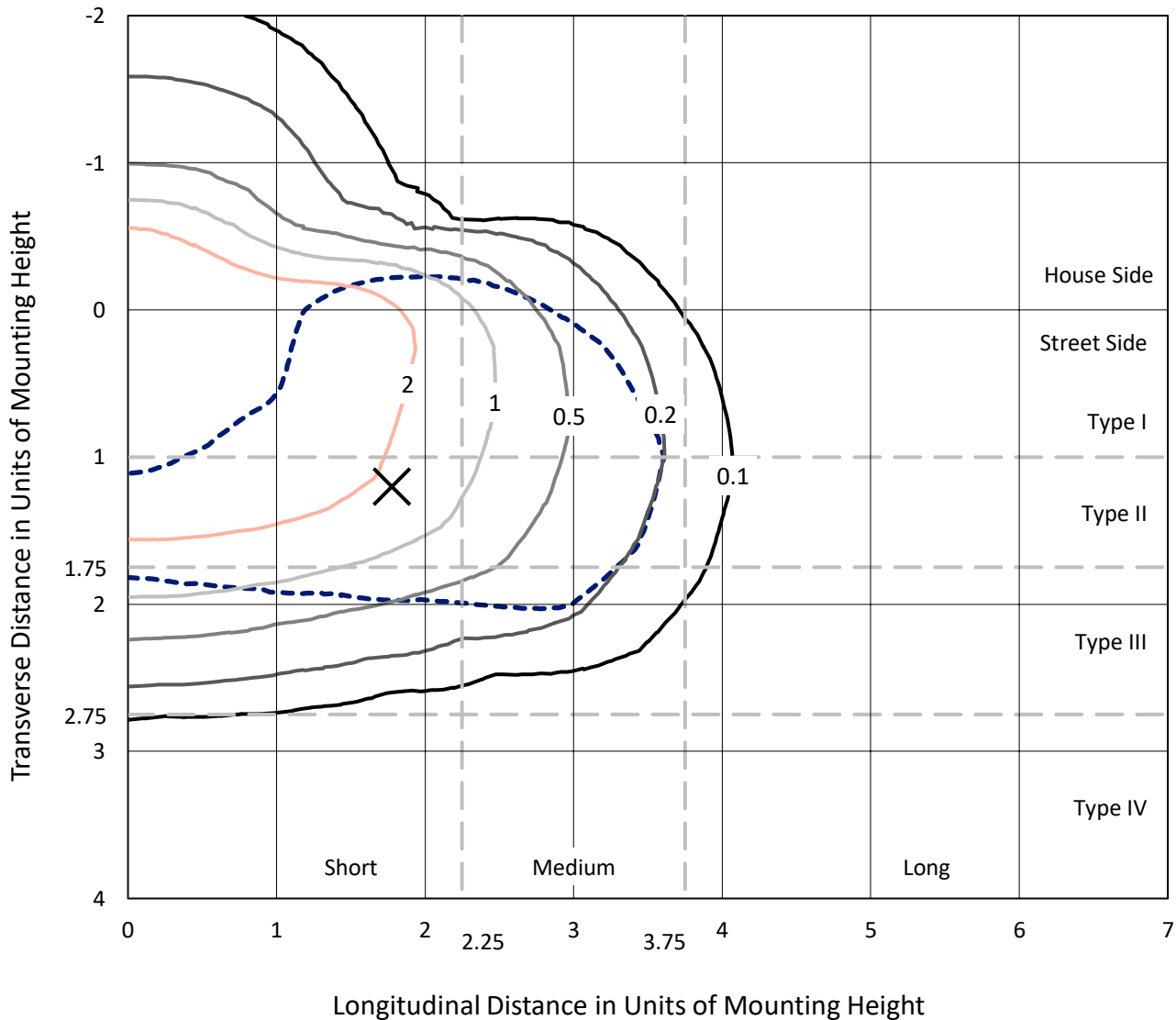
Lumens per Lamp: N/A  
Luminaire Lumens: 30958.5 lumens  
Efficiency: N/A  
Efficacy: 126.4 lumens/watt  
Luminous Opening: Vertical Cylinder (Dia: 1' x H: 0.5')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G4

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

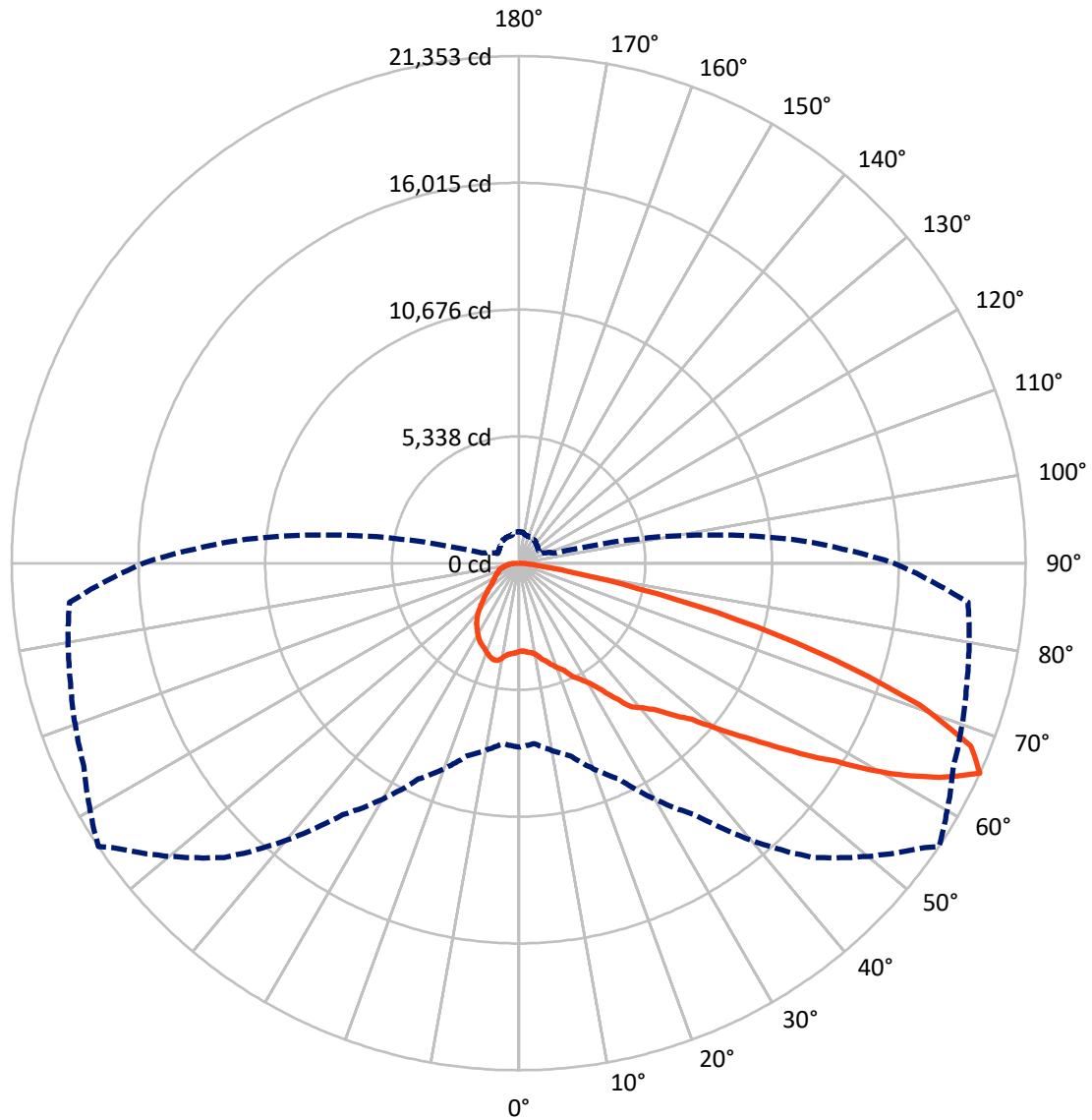
✕ Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 4.8 fc  
 Type III - Short - N/A

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### 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	6943.0	0.0	6943.0
	% Fixture	22.4	0.0	22.4
<b>Street Side</b>	Lumens	24015.5	0.0	24015.5
	% Fixture	77.6	0.0	77.6
<b>Total</b>	Lumens	30958.5	0.0	30958.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	368.2	1.2
10°-20°	1195.7	3.9
20°-30°	2129.0	6.9
30°-40°	3188.1	10.3
40°-50°	4723.6	15.3
50°-60°	7278.4	23.5
60°-70°	8240.1	26.6
70°-80°	3419.7	11.0
80°-90°	415.5	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°	30958.5	100.0
0°-180°	30958.5	100.0

**Coefficient of Utilization**

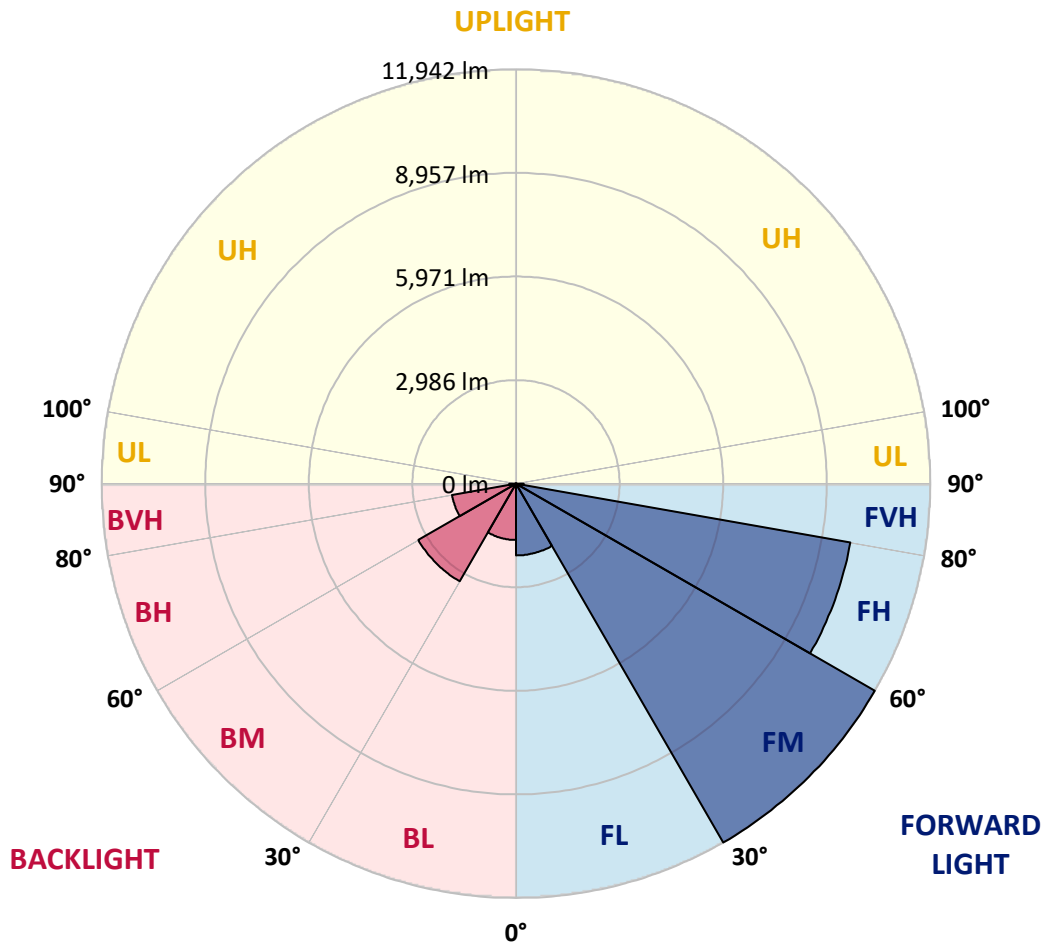


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2068.9	6.7			
FM (30°-60°)	11942.4	38.6			
FH (60°-80°)	9785.0	31.6			G4/12000
FVH (80°-90°)	219.1	0.7			G2/225
BL (0°-30°)	1624.0	5.2	B3/2500		
BM (30°-60°)	3247.8	10.5	B3/5000		
BH (60°-80°)	1874.8	6.1	B3/2500		G3/2500
BVH (80°-90°)	196.3	0.6			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°	3715.9	3715.9	3715.9	3715.9	3715.9	3715.9	3715.9	3715.9	3715.9	3715.9
2.5°	3618.7	3638.1	3625.2	3664.1	3696.5	3696.5	3722.4	3702.9	3728.9	3764.5
5°	3738.6	3660.8	3702.9	3722.4	3712.7	3728.9	3702.9	3767.7	3725.6	3793.7
7.5°	3767.7	3796.9	3832.5	3800.1	3829.3	3813.1	3816.3	3806.6	3783.9	3839.0
10°	3981.6	3939.4	4020.4	3971.8	3965.4	3958.9	3945.9	3897.3	3952.4	3955.6
12.5°	4227.8	4188.9	4185.7	4146.8	4198.6	4104.7	4124.1	4098.2	4107.9	4120.9
15°	4405.9	4389.8	4464.3	4418.9	4350.9	4308.8	4354.1	4282.8	4318.5	4312.0
17.5°	4759.1	4755.8	4700.8	4626.2	4587.4	4525.8	4516.1	4486.9	4512.9	4499.9
20°	5005.3	5040.9	5050.6	4963.2	4814.1	4746.1	4729.9	4707.2	4736.4	4726.7
22.5°	5381.1	5326.0	5368.1	5215.9	5160.8	4998.8	4940.5	4908.1	5047.4	5011.8
25°	5620.8	5679.1	5637.0	5585.2	5462.1	5261.2	5219.1	5290.4	5345.5	5306.6
27.5°	6161.8	6103.5	6064.7	5909.2	5828.2	5617.6	5569.0	5543.1	5556.0	5578.7
30°	6573.3	6605.7	6518.2	6408.1	6204.0	5990.1	5876.8	5854.1	5808.7	5769.8
32.5°	7159.7	7111.1	7059.2	6988.0	6813.0	6531.2	6421.0	6336.8	6200.7	6019.3
35°	7441.5	7580.8	7541.9	7350.8	7218.0	7111.1	7078.7	6949.1	6835.7	6550.6
37.5°	7911.3	7969.6	7914.5	7853.0	7791.4	7678.0	7639.1	7674.8	7451.2	6981.5
40°	8215.8	8338.9	8452.3	8280.6	8267.6	8290.3	8050.6	8008.5	7548.4	7302.2
42.5°	8837.8	8889.7	8912.3	8905.8	8980.4	8980.4	8523.6	8432.9	8105.7	7904.8
45°	9660.7	9702.8	9783.8	9842.1	9757.9	9800.0	9148.8	9113.2	8821.6	8782.7
47.5°	10373.4	10473.8	10655.3	10827.0	10937.1	10794.6	10081.8	9829.2	9754.6	9987.9
50°	10995.4	10875.6	11300.0	11474.9	11957.6	12194.1	11112.1	11011.6	10891.8	11338.8
52.5°	11057.0	11219.0	11818.3	12168.2	13162.8	13600.1	12375.5	12333.4	12187.6	12702.7
55°	11497.6	11478.1	12080.7	12838.8	14021.3	14756.7	14021.3	13995.4	13677.9	14167.1
57.5°	11423.1	11620.7	12096.9	13156.3	14795.6	15997.5	15929.4	15751.3	15307.4	15705.9
60°	11170.4	11222.2	11802.1	13146.6	15245.9	17270.7	17989.9	18025.5	17118.4	17435.9
62.5°	9738.4	9858.3	10593.7	12113.1	14925.2	18148.6	20001.7	19875.4	19149.7	18786.8
65°	7746.0	7626.2	8390.7	10033.3	12929.5	17526.6	20882.9	21352.7	20212.3	19548.2
67.5°	4749.4	4720.2	5455.6	6903.7	9673.7	14915.4	20179.9	20546.0	19917.5	19386.2
70°	2445.9	2371.4	2831.5	3852.0	6080.9	10943.6	17562.2	17921.8	18521.2	17387.3
72.5°	1140.4	1124.2	1370.4	1895.2	3097.1	6434.0	13600.1	13859.3	15122.8	14659.5
75°	670.6	680.3	819.6	991.3	1509.7	3032.3	9025.7	9527.9	10898.2	10564.6
77.5°	502.1	502.1	583.1	690.0	881.2	1172.8	4454.5	5118.7	6372.4	5731.0
80°	369.3	375.8	447.1	518.3	612.3	605.8	1768.9	2073.4	2922.2	2497.8
82.5°	288.3	298.0	346.6	385.5	430.9	366.1	725.7	780.8	1201.9	955.7
85°	200.9	207.3	272.1	262.4	262.4	204.1	301.3	317.5	476.2	453.6
87.5°	48.6	55.1	132.8	145.8	110.1	61.6	94.0	106.9	171.7	197.6
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°
3715.9	0°	3715.9	3715.9	3715.9	3715.9	3715.9	3715.9	3715.9	3715.9	3715.9	3715.9
3780.7	2.5°	3732.1	3745.1	3800.1	3771.0	3787.2	3719.1	3774.2	3728.9	3767.7	3748.3
3809.9	5°	3835.8	3806.6	3839.0	3816.3	3816.3	3842.2	3881.1	3852.0	3910.3	3884.4
3832.5	7.5°	3877.9	3881.1	3900.6	3903.8	3887.6	3968.6	3971.8	3962.1	4017.2	4004.2
3988.0	10°	3981.6	3984.8	4020.4	4039.9	4023.7	4052.8	4020.4	3994.5	3991.3	3978.3
4111.1	12.5°	4146.8	4179.2	4172.7	4188.9	4192.1	4069.0	3994.5	3868.2	3852.0	3868.2
4292.6	15°	4299.0	4286.1	4292.6	4325.0	4188.9	3991.3	3858.4	3751.5	3758.0	3761.3
4529.1	17.5°	4480.5	4490.2	4499.9	4350.9	4101.4	3868.2	3751.5	3751.5	3719.1	3732.1
4694.3	20°	4687.8	4648.9	4564.7	4354.1	3949.2	3725.6	3690.0	3690.0	3651.1	3625.2
4872.5	22.5°	4849.8	4772.0	4645.7	4253.7	3813.1	3670.5	3583.1	3521.5	3476.2	3424.3
5070.1	25°	4953.5	4911.3	4665.1	4150.0	3712.7	3524.8	3395.2	3301.2	3242.9	3174.9
5225.6	27.5°	5112.2	5031.2	4720.2	4030.1	3602.5	3379.0	3178.1	3032.3	2922.2	2850.9
5462.1	30°	5326.0	5209.4	4681.3	3858.4	3434.0	3126.3	2889.8	2701.9	2575.5	2517.2
5685.6	32.5°	5501.0	5348.7	4648.9	3702.9	3246.1	2870.3	2556.1	2365.0	2293.7	2219.2
6061.4	35°	5834.6	5533.4	4626.2	3615.5	3077.7	2614.4	2284.0	2118.7	2028.0	1917.9
6285.0	37.5°	6090.6	5854.1	4571.2	3434.0	2860.6	2365.0	2076.6	1927.6	1791.5	1674.9
6803.3	40°	6492.3	6301.2	4574.4	3178.1	2604.7	2151.1	1914.6	1759.1	1587.4	1487.0
7571.1	42.5°	7247.1	6741.8	4593.8	2974.0	2316.4	1976.2	1768.9	1584.2	1412.5	1328.3
8445.8	45°	8173.7	7347.6	4474.0	2789.4	2021.6	1811.0	1593.9	1409.3	1299.1	1237.6
9634.8	47.5°	9239.5	7940.4	4312.0	2442.7	1775.3	1636.0	1431.9	1325.0	1244.0	1208.4
11167.1	50°	10431.7	8789.2	4266.6	2125.2	1584.2	1487.0	1354.2	1273.2	1218.1	1176.0
12893.9	52.5°	11967.3	9777.3	4175.9	1798.0	1419.0	1367.1	1325.0	1270.0	1221.4	1185.7
14504.0	55°	13434.9	10872.3	4078.7	1529.1	1302.3	1308.8	1331.5	1282.9	1240.8	1185.7
16308.5	57.5°	15087.1	11990.0	3719.1	1331.5	1214.9	1279.7	1325.0	1270.0	1227.8	1185.7
18155.1	60°	16107.6	12618.5	3016.1	1159.8	1137.1	1224.6	1286.1	1227.8	1182.5	1198.7
19003.9	62.5°	16522.3	12288.1	2274.2	1052.9	1082.0	1150.1	1224.6	1201.9	1169.5	1231.1
18994.2	65°	15816.1	11526.7	1626.3	962.2	1007.5	1075.6	1169.5	1195.4	1205.2	1325.0
17445.6	67.5°	14073.1	10036.5	1195.4	887.7	929.8	1030.2	1208.4	1250.5	1244.0	1393.1
14640.1	70°	11261.1	7849.7	933.0	826.1	900.6	1065.9	1263.5	1263.5	1218.1	1393.1
11167.1	72.5°	8193.1	5533.4	803.4	754.8	826.1	978.4	1257.0	1253.8	1195.4	1273.2
7111.1	75°	4959.9	3220.2	709.5	683.6	709.5	839.1	1201.9	1182.5	1101.5	1095.0
3421.1	77.5°	2471.9	1619.8	579.9	605.8	618.8	703.0	1056.1	1085.3	975.1	949.2
1350.9	80°	1043.2	706.2	482.7	521.6	521.6	592.9	878.0	897.4	809.9	761.3
534.5	82.5°	476.2	405.0	411.4	453.6	424.4	460.0	696.5	719.2	657.7	576.7
226.8	85°	200.9	230.0	314.2	356.4	314.2	298.0	479.5	505.4	427.6	356.4
97.2	87.5°	90.7	126.3	197.6	259.2	158.7	139.3	255.9	265.7	213.8	158.7
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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<u>180°</u>
3715.9
3712.7
3848.7
3984.8
3978.3
3874.6
3806.6
3735.3
3586.3
3395.2
3187.8
2883.3
2549.6
2215.9
1908.2
1678.1
1496.7
1334.7
1250.5
1201.9
1182.5
1182.5
1182.5
1182.5
1185.7
1214.9
1325.0
1402.8
1363.9
1227.8
1082.0
933.0
745.1
563.7
359.6
149.0
0.0

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