

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: P637845

Luminaire Tested: **IFLD-S-SA3B-730-U-66-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P637845
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3B-730-U-66-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 6 distribution lens and Visor
Light Source: (48) 3000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13065.3 lumens
Efficiency: N/A
Efficacy: 106.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G1

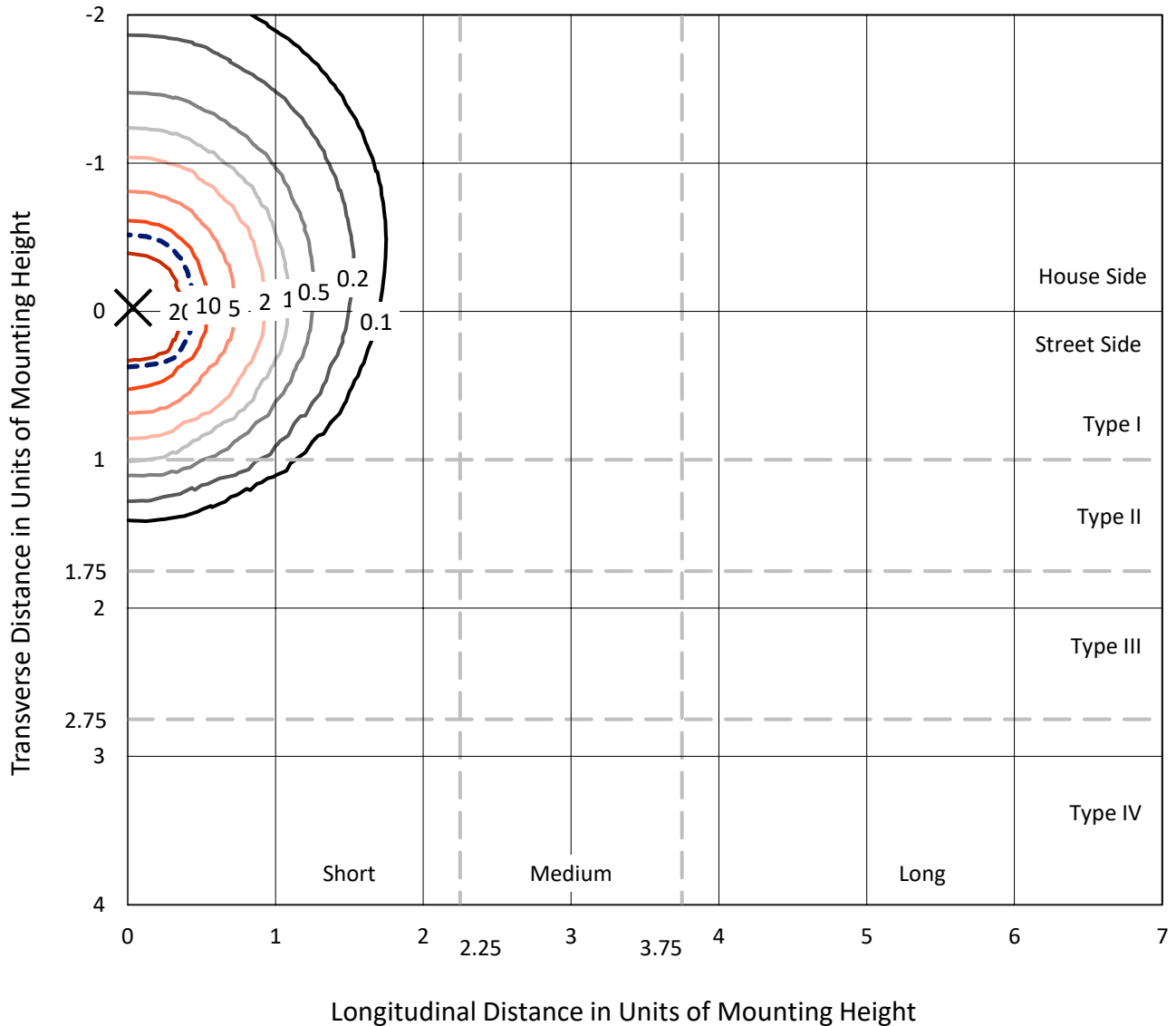
Input Watts (W): 122.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

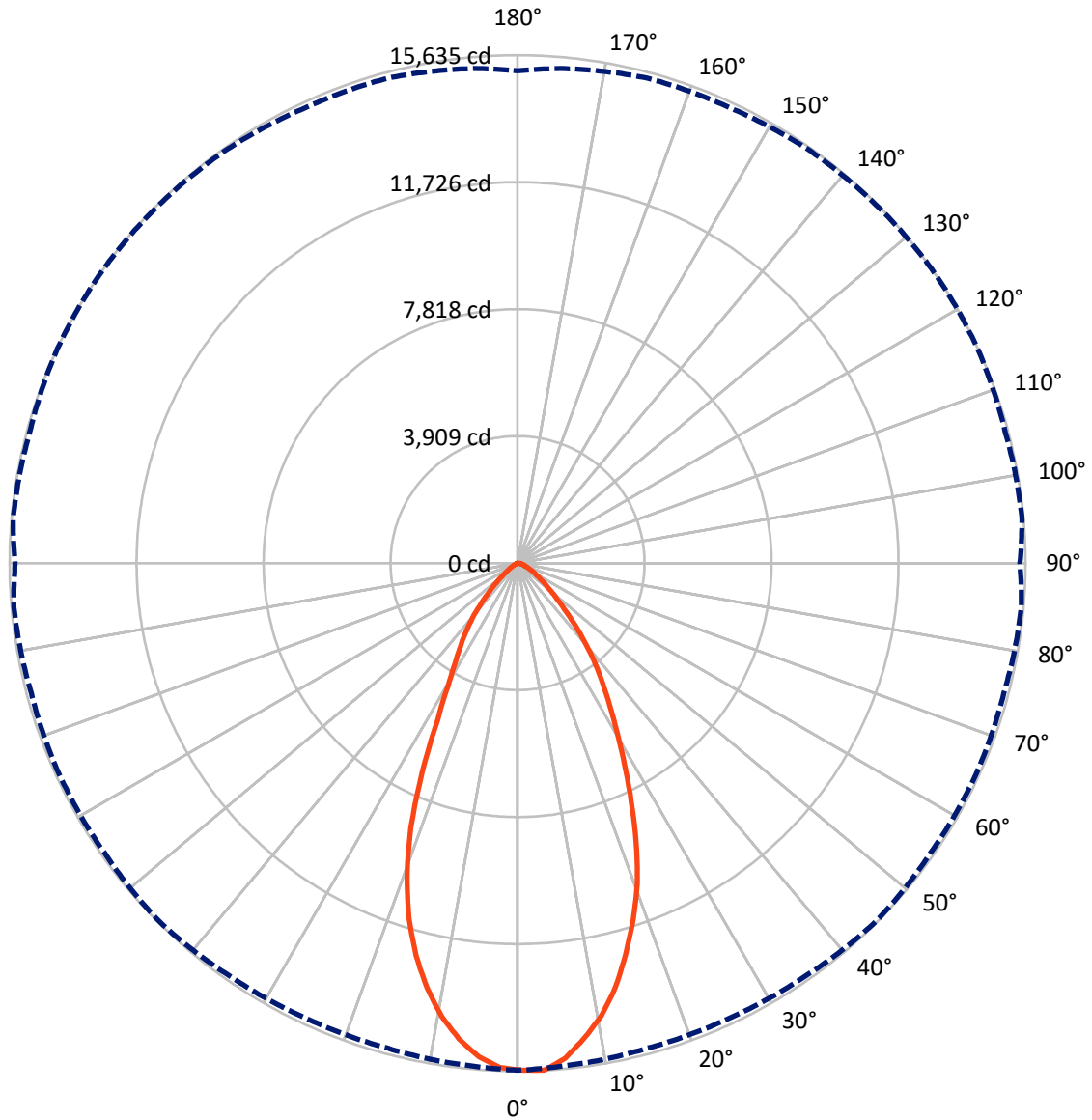
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 39 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 125-Deg Lateral - - - Horizontal Cone Through 2.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7413.8	0.0	7413.8
	% Fixture	56.7	0.0	56.7
Street Side	Lumens	5651.5	0.0	5651.5
	% Fixture	43.3	0.0	43.3
Total	Lumens	13065.3	0.0	13065.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1417.4	10.8
10°-20°	3378.8	25.9
20°-30°	3441.3	26.3
30°-40°	2566.2	19.6
40°-50°	1340.6	10.3
50°-60°	563.9	4.3
60°-70°	230.3	1.8
70°-80°	96.9	0.7
80°-90°	29.9	0.2
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°	13065.3	100.0
0°-180°	13065.3	100.0



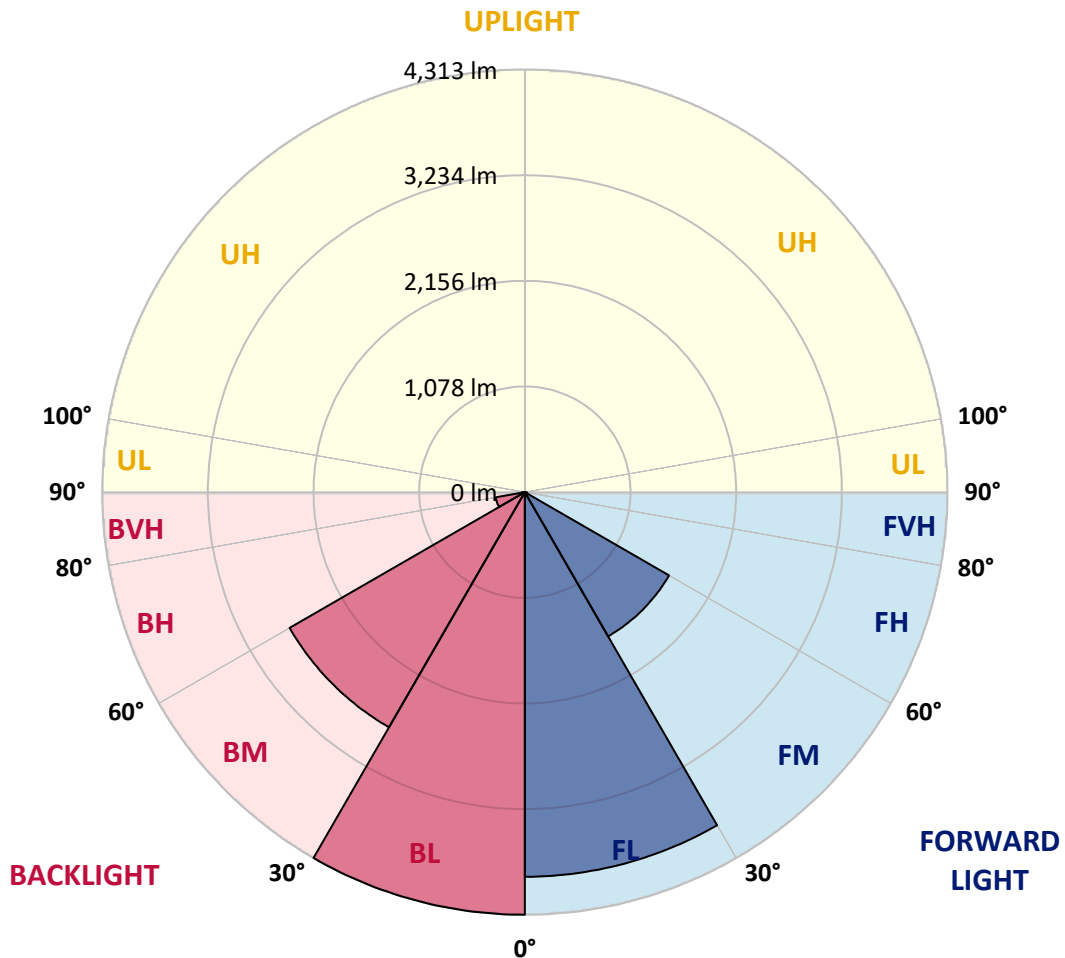
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3925.0	30.0			
FM (30°-60°)	1699.2	13.0			
FH (60°-80°)	24.6	0.2			G0/660
FVH (80°-90°)	2.8	0.0			G0/10
BL (0°-30°)	4312.6	33.0	B4/5000		
BM (30°-60°)	2771.5	21.2	B3/5000		
BH (60°-80°)	302.6	2.3	B1/500		G1/500
BVH (80°-90°)	27.1	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G1

Type I Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	15609.8	15609.8	15609.8	15609.8	15609.8	15609.8	15609.8	15609.8	15609.8	15609.8
2.5°	15611.5	15547.7	15457.1	15448.7	15495.7	15598.1	15532.6	15536.0	15495.7	15564.5
5°	15366.5	15306.1	15244.0	15161.7	15230.5	15274.2	15240.6	15203.7	15151.7	15218.8
7.5°	14903.3	14869.7	14777.4	14740.5	14782.4	14831.1	14758.9	14748.9	14676.7	14764.0
10°	14195.0	14181.6	14091.0	14069.2	14106.1	14179.9	14148.0	14141.3	14096.0	14087.6
12.5°	13459.9	13407.9	13295.5	13288.8	13344.1	13454.9	13369.3	13287.1	13312.3	13334.1
15°	11566.8	11511.4	11790.0	12228.1	12458.0	12449.6	12474.8	12375.8	12345.6	12355.6
17.5°	9195.4	9101.4	9202.1	9880.1	10972.7	11607.1	11432.6	11219.4	11105.3	11029.8
20°	7936.7	7941.7	7923.2	8097.8	8779.2	10225.9	10183.9	9772.7	9623.4	9561.3
22.5°	7171.4	7142.8	7102.6	7157.9	7340.9	8190.1	8759.0	8381.4	8329.4	8260.6
25°	6421.2	6421.2	6372.5	6427.9	6479.9	6491.7	7062.3	7216.7	7116.0	7116.0
27.5°	5771.7	5738.1	5716.3	5741.5	5672.6	5342.0	5414.2	6204.7	6135.9	6093.9
30°	5127.2	5117.1	5080.2	5113.8	4858.7	4486.1	4335.0	5236.3	5308.5	5293.3
32.5°	4232.7	4272.9	4437.4	4489.4	4053.1	3752.7	3608.3	4346.8	4635.5	4623.7
35°	2876.6	2910.2	3098.1	3719.1	3360.0	3145.1	3103.2	3457.3	3932.3	3977.6
37.5°	2290.9	2285.8	2339.5	2450.3	2700.4	2648.4	2636.6	2728.9	3207.2	3227.4
40°	1888.1	1881.4	1879.7	1789.1	1727.0	2201.9	2170.0	2114.7	2529.2	2569.5
42.5°	1522.2	1528.9	1534.0	1335.9	1245.3	1698.4	1680.0	1622.9	1983.7	2030.7
45°	1194.9	1193.3	1203.3	995.2	970.1	1085.9	1255.4	1210.1	1497.0	1547.4
47.5°	619.3	641.1	777.1	770.3	782.1	770.3	949.9	938.2	1126.1	1206.7
50°	416.2	422.9	434.7	436.4	615.9	567.3	644.5	730.1	788.8	913.0
52.5°	322.2	327.3	297.1	278.6	377.6	419.6	422.9	505.2	550.5	676.4
55°	179.6	201.4	216.5	218.2	208.1	310.5	308.8	374.3	409.5	493.4
57.5°	23.5	28.5	43.6	141.0	139.3	172.9	216.5	271.9	292.0	360.8
60°	1.7	3.4	5.0	21.8	92.3	100.7	147.7	169.5	203.1	253.4
62.5°	0.0	0.0	1.7	5.0	18.5	58.7	77.2	88.9	119.2	166.2
65°	0.0	0.0	1.7	3.4	6.7	21.8	30.2	48.7	70.5	102.4
67.5°	0.0	0.0	1.7	3.4	5.0	8.4	13.4	21.8	36.9	62.1
70°	0.0	0.0	1.7	3.4	5.0	6.7	10.1	13.4	20.1	33.6
72.5°	0.0	0.0	1.7	1.7	3.4	8.4	8.4	10.1	13.4	18.5
75°	0.0	0.0	1.7	3.4	5.0	8.4	8.4	8.4	10.1	11.7
77.5°	0.0	0.0	1.7	3.4	5.0	8.4	6.7	8.4	8.4	8.4
80°	0.0	0.0	1.7	3.4	5.0	8.4	10.1	8.4	6.7	6.7
82.5°	0.0	0.0	1.7	5.0	5.0	11.7	11.7	11.7	5.0	5.0
85°	0.0	0.0	3.4	5.0	8.4	13.4	13.4	10.1	5.0	3.4
87.5°	0.0	0.0	1.7	3.4	3.4	6.7	10.1	8.4	3.4	1.7
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):

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°
15609.8	0°	15609.8	15609.8	15609.8	15609.8	15609.8	15609.8	15609.8	15609.8	15609.8
15463.8	2.5°	15588.0	15546.1	15624.9	15635.0	15601.4	15559.5	15462.2	15453.8	15284.3
15121.5	5°	15292.6	15223.8	15274.2	15307.7	15296.0	15250.7	15210.4	15173.5	15020.8
14565.9	7.5°	14742.2	14717.0	14740.5	14765.7	14814.3	14765.7	14748.9	14710.3	14559.2
14018.8	10°	14131.3	14084.3	14173.2	14161.5	14148.0	14134.6	14064.1	14070.8	13892.9
13273.7	12.5°	13381.1	13302.2	13387.8	13397.8	13387.8	13340.8	13261.9	13295.5	13132.7
12266.7	15°	12372.4	12364.0	12426.1	12466.4	12494.9	12444.6	12417.7	12434.5	12337.2
10971.0	17.5°	11133.8	11242.9	11446.0	11514.8	11516.5	11568.5	11553.4	11533.3	11461.1
9536.1	20°	9677.1	9886.8	10199.0	10519.6	10611.9	10568.2	10548.1	10585.0	10477.6
8188.4	22.5°	8332.7	8512.3	8874.8	9343.1	9613.3	9640.1	9635.1	9603.2	9561.3
7109.3	25°	7191.5	7350.9	7698.3	8126.3	8644.9	8722.1	8725.5	8715.4	8678.5
6130.8	27.5°	6228.2	6421.2	6612.5	6995.1	7547.3	7866.2	7825.9	7814.2	7800.7
5305.1	30°	5355.4	5598.8	5778.4	6016.7	6511.8	6943.1	6985.1	6964.9	6933.0
4622.0	32.5°	4664.0	4808.3	5036.6	5197.7	5553.5	6041.9	6203.0	6187.9	6159.4
4006.1	35°	4063.2	4120.2	4299.8	4479.4	4716.0	5189.3	5427.6	5394.0	5389.0
3264.3	37.5°	3346.5	3537.9	3636.9	3818.1	3984.3	4351.8	4680.8	4665.7	4667.3
2624.9	40°	2702.1	2812.8	3009.2	3161.9	3314.6	3583.2	3949.0	3959.1	3955.7
2032.4	42.5°	2074.4	2181.8	2388.2	2554.4	2690.3	2856.5	3205.5	3217.3	3232.4
1582.6	45°	1619.6	1688.4	1839.4	2012.3	2156.6	2257.3	2522.5	2598.0	2599.7
1226.8	47.5°	1257.0	1335.9	1443.3	1609.5	1750.5	1822.6	2015.6	2118.0	2113.0
941.5	50°	986.8	1059.0	1146.3	1277.2	1429.9	1487.0	1629.6	1730.3	1725.3
709.9	52.5°	755.2	847.5	924.7	1025.4	1174.8	1223.5	1325.9	1441.7	1424.9
520.3	55°	572.3	666.3	738.5	822.4	958.3	1020.4	1090.9	1183.2	1186.6
402.8	57.5°	431.3	528.7	594.1	679.7	782.1	850.9	904.6	1003.6	1001.9
275.2	60°	308.8	392.7	471.6	560.6	639.4	718.3	755.2	849.2	852.6
194.7	62.5°	223.2	302.1	377.6	454.8	525.3	602.5	636.1	709.9	720.0
127.6	65°	156.1	211.5	298.7	357.5	436.4	493.4	537.1	600.8	612.6
75.5	67.5°	100.7	152.7	236.6	288.7	360.8	409.5	454.8	505.2	520.3
48.7	70°	60.4	115.8	176.2	231.6	297.1	340.7	384.3	428.0	436.4
23.5	72.5°	38.6	80.6	127.6	188.0	238.3	285.3	323.9	355.8	330.6
15.1	75°	21.8	55.4	100.7	147.7	193.0	238.3	270.2	287.0	229.9
10.1	77.5°	13.4	40.3	82.2	119.2	149.4	191.3	211.5	221.5	164.5
6.7	80°	8.4	30.2	68.8	97.3	97.3	141.0	164.5	172.9	119.2
5.0	82.5°	6.7	21.8	53.7	73.8	65.5	105.7	129.2	130.9	83.9
3.4	85°	5.0	16.8	33.6	48.7	45.3	73.8	75.5	83.9	55.4
3.4	87.5°	3.4	10.1	20.1	28.5	25.2	35.2	40.3	45.3	30.2
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



180°
15609.8
<i>15151.7</i>
14898.2
14527.3
13832.5
13085.7
12219.7
11353.7
10400.4
9480.7
8554.3
7721.8
6892.8
6083.8
5333.6
4613.6
3897.0
3182.1
2556.0
2094.5
1725.3
1426.6
1186.6
998.6
844.2
716.6
609.2
518.6
429.6
307.1
218.2
154.4
110.8
77.2
50.3
26.9
0.0

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