

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: P636577

Luminaire Tested: **IFLD-S-SA6E-927-U-66-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636577
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6E-927-U-66-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 6 distribution lens and Visor
Light Source: (96) 2700K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26672.4 lumens
Efficiency: N/A
Efficacy: 57.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G1

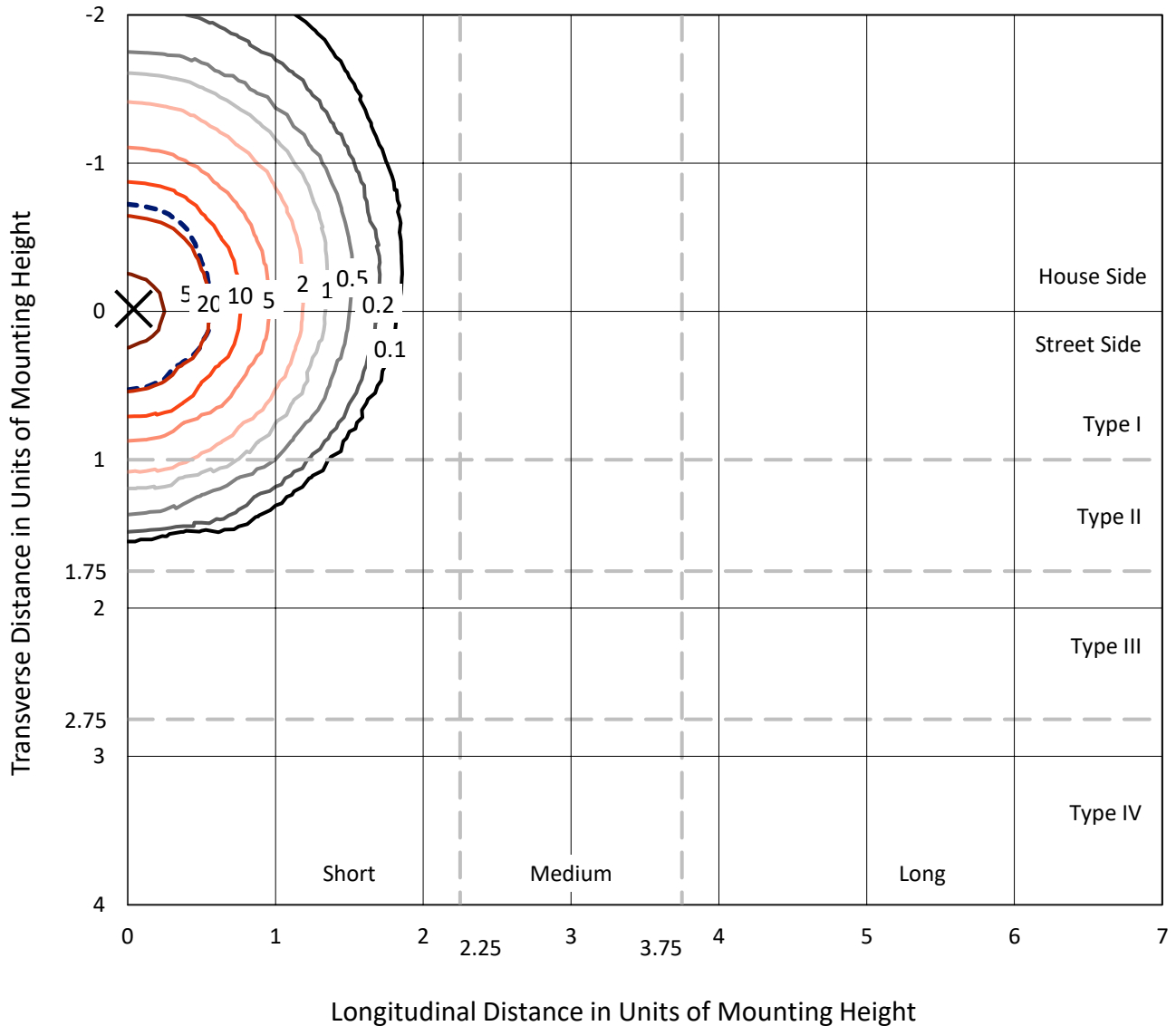
Input Watts (W): 464.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

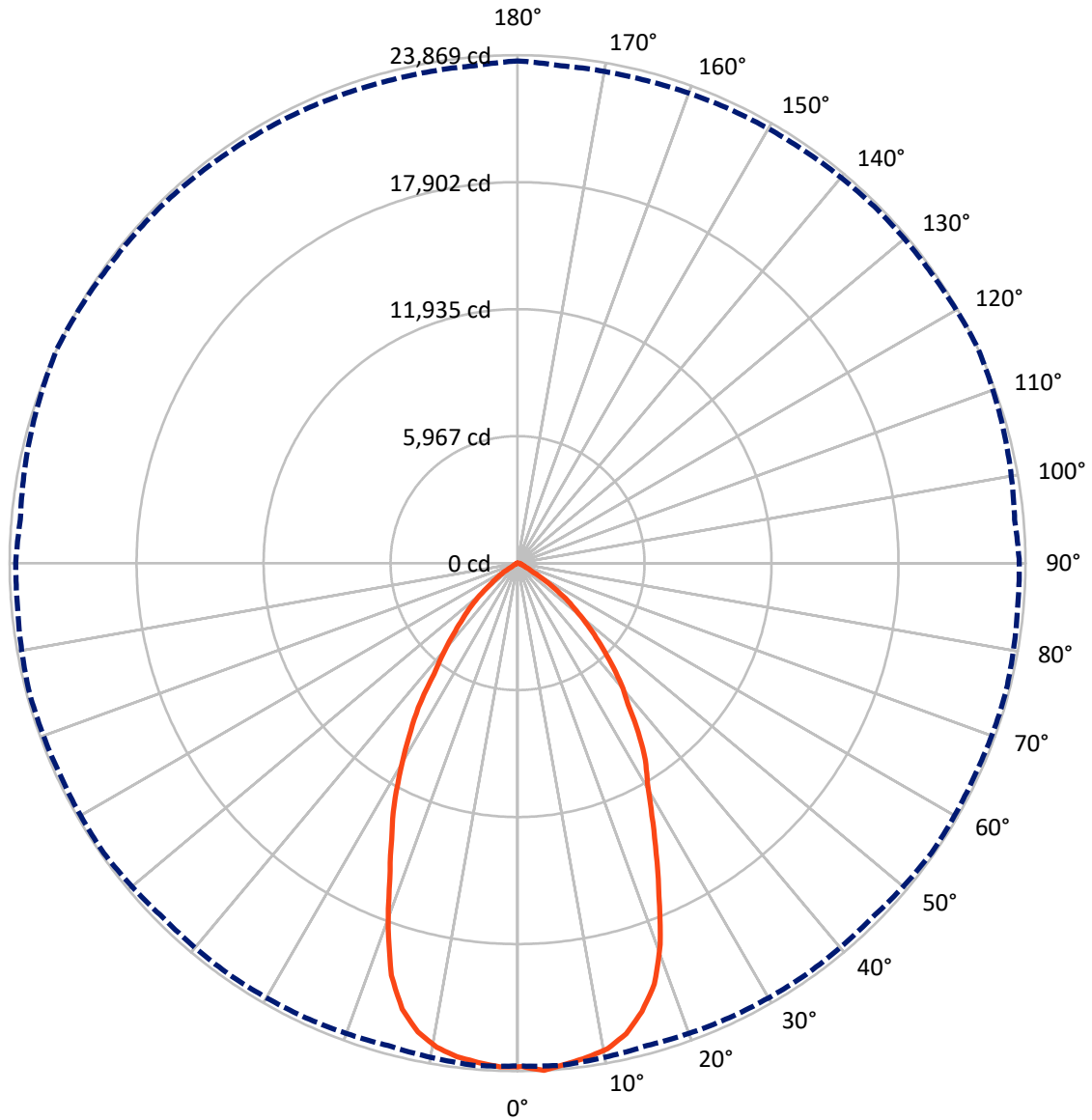
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 59.2 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 115-Deg Lateral - - - Horizontal Cone Through 2.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15264.3	0.0	15264.3
	% Fixture	57.2	0.0	57.2
Street Side	Lumens	11408.1	0.0	11408.1
	% Fixture	42.8	0.0	42.8
Total	Lumens	26672.4	0.0	26672.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2229.0	8.4
10°-20°	5910.0	22.2
20°-30°	6759.9	25.3
30°-40°	5793.0	21.7
40°-50°	3830.6	14.4
50°-60°	1671.5	6.3
60°-70°	328.4	1.2
70°-80°	118.5	0.4
80°-90°	31.5	0.1
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°	26672.4	100.0
0°-180°	26672.4	100.0



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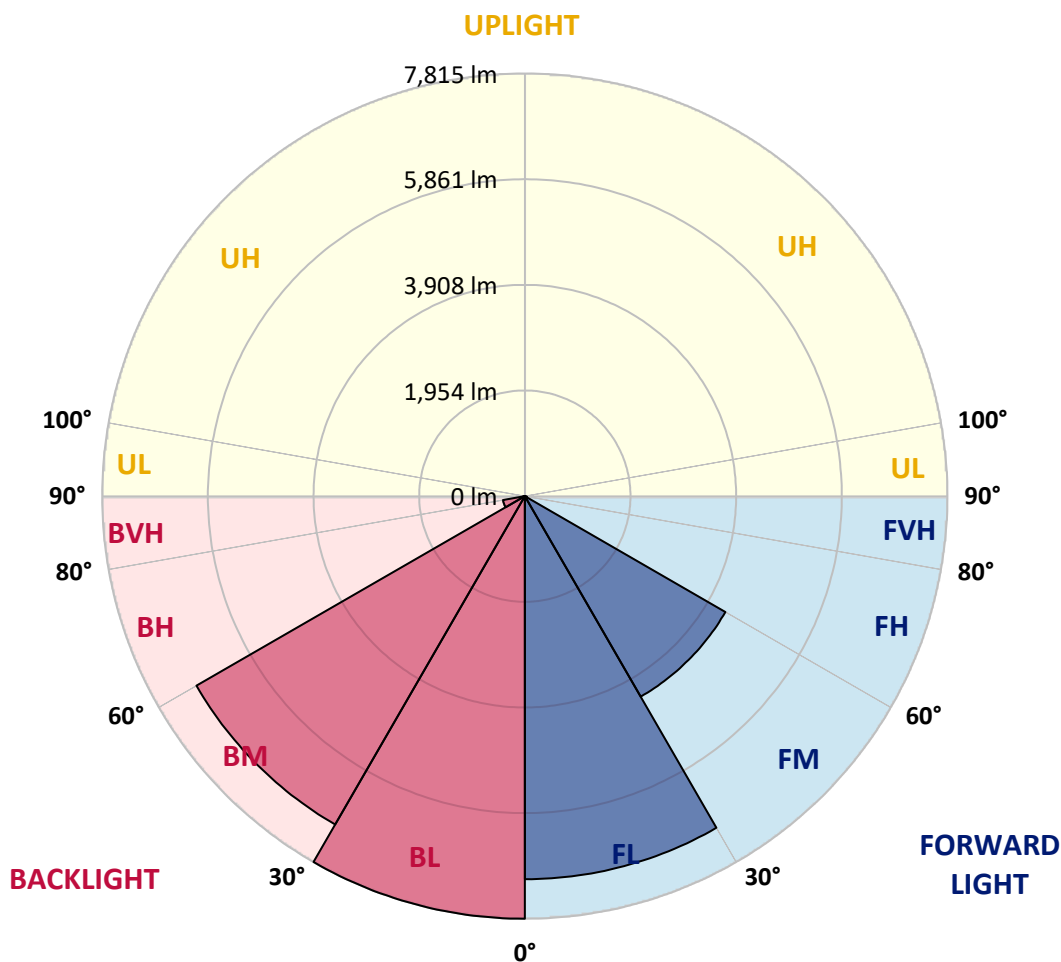
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	7083.6	26.6			
FM (30°-60°)	4283.0	16.1			
FH (60°-80°)	36.3	0.1			G0/660
FVH (80°-90°)	5.2	0.0			G0/10
BL (0°-30°)	7815.3	29.3	B5		
BM (30°-60°)	7012.1	26.3	B4/8500		
BH (60°-80°)	410.6	1.5	B1/500		G1/500
BVH (80°-90°)	26.3	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G1

Type I Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	23665.1	23665.1	23665.1	23665.1	23665.1	23665.1	23665.1	23665.1	23665.1	23665.1
2.5°	23631.1	23687.8	23472.4	23568.8	23608.4	23557.4	23744.5	23687.8	23733.2	23591.4
5°	23631.1	23687.8	23438.4	23483.7	23495.1	23398.7	23602.8	23534.7	23540.4	23393.0
7.5°	23483.7	23551.8	23325.0	23359.0	23364.7	23285.3	23461.0	23364.7	23330.6	23177.6
10°	23086.8	23126.5	22922.4	23007.5	23086.8	23013.1	23166.2	23058.5	23058.5	22922.4
12.5°	22457.5	22531.2	22304.4	22406.5	22474.5	22389.5	22565.2	22525.5	22531.2	22395.1
15°	21312.2	21057.1	21329.2	21533.4	21539.0	21522.0	21686.4	21646.7	21675.1	21471.0
17.5°	15744.6	15682.3	15999.8	18409.4	20201.0	20444.8	20473.1	20257.7	20161.3	19962.9
20°	14588.0	14633.4	14565.3	14576.7	15988.4	18919.6	18743.9	18210.9	17967.1	17768.7
22.5°	13743.2	13669.5	13624.2	13595.8	13635.5	15546.2	16810.5	16005.4	15875.0	15778.7
25°	12824.8	12790.7	12734.0	12722.7	12700.0	12376.9	14196.8	14270.5	14060.7	13941.7
27.5°	11968.6	11946.0	11883.6	11877.9	11617.1	10834.7	11033.2	12785.1	12728.4	12683.0
30°	11055.8	11010.5	10976.5	10976.5	10188.4	9383.3	9060.1	11146.5	11146.5	11106.9
32.5°	10063.6	10024.0	10035.3	9899.2	8958.1	8221.0	7710.7	9621.4	10216.7	10182.7
35°	6151.6	6140.2	7291.2	8805.0	7699.4	7030.4	6996.4	8232.3	9099.8	9190.5
37.5°	5476.9	5442.9	5459.9	5556.3	6593.8	6327.3	6316.0	6525.8	7744.8	7790.1
40°	4915.6	4892.9	4875.9	4530.1	4201.2	5647.0	5607.3	5471.2	6616.5	6695.9
42.5°	4382.6	4360.0	4360.0	3872.4	3339.4	4643.4	4660.5	4501.7	5578.9	5607.3
45°	3832.7	3815.7	3719.3	3090.0	2936.9	3084.3	3861.0	3679.6	4428.0	4722.8
47.5°	1808.6	1797.3	2602.4	2568.4	2557.0	2466.3	2948.2	3050.3	3515.2	3810.0
50°	1451.4	1440.1	1372.1	1207.6	2103.4	1871.0	2126.1	2347.2	2494.6	2766.8
52.5°	1202.0	1190.6	1048.9	929.8	1167.9	1366.4	1270.0	1570.5	1564.8	1859.6
55°	788.1	731.4	805.1	759.7	612.3	992.2	969.5	1190.6	1162.3	1417.4
57.5°	17.0	17.0	39.7	430.9	385.5	419.6	555.6	680.4	765.4	839.1
60°	5.7	5.7	11.3	22.7	158.8	175.8	215.4	249.5	351.5	436.6
62.5°	0.0	0.0	5.7	11.3	22.7	90.7	102.1	119.1	164.4	226.8
65°	0.0	0.0	0.0	5.7	11.3	22.7	34.0	73.7	102.1	130.4
67.5°	0.0	0.0	0.0	5.7	5.7	11.3	22.7	34.0	45.4	90.7
70°	0.0	0.0	0.0	5.7	5.7	11.3	17.0	22.7	34.0	45.4
72.5°	0.0	0.0	0.0	5.7	5.7	17.0	11.3	17.0	22.7	28.3
75°	0.0	0.0	0.0	5.7	5.7	5.7	11.3	17.0	17.0	22.7
77.5°	0.0	0.0	0.0	5.7	11.3	11.3	11.3	11.3	11.3	17.0
80°	0.0	0.0	0.0	5.7	5.7	11.3	17.0	22.7	11.3	11.3
82.5°	0.0	0.0	0.0	11.3	5.7	22.7	34.0	28.3	11.3	5.7
85°	0.0	0.0	0.0	5.7	22.7	28.3	28.3	17.0	5.7	5.7
87.5°	0.0	0.0	0.0	5.7	5.7	11.3	17.0	17.0	5.7	5.7
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°
23665.1	0°	23665.1	23665.1	23665.1	23665.1	23665.1	23665.1	23665.1	23665.1	23665.1
23580.1	2.5°	23449.7	23670.8	23869.3	23744.5	23699.2	23608.4	23540.4	23466.7	23461.0
23376.0	5°	23245.6	23455.4	23648.1	23500.7	23512.1	23466.7	23421.3	23404.3	23415.7
23166.2	7.5°	23069.8	23245.6	23455.4	23330.6	23364.7	23336.3	23313.6	23279.6	23330.6
22894.1	10°	22803.4	22962.1	23205.9	23086.8	23069.8	23041.5	23018.8	22956.4	22984.8
22400.8	12.5°	22219.4	22417.8	22695.6	22559.6	22604.9	22525.5	22491.5	22451.8	22457.5
21544.7	15°	21425.6	21578.7	21862.2	21754.5	21788.5	21737.5	21737.5	21737.5	21777.1
19991.2	17.5°	20042.2	20354.1	20802.0	20665.9	20716.9	20728.3	20716.9	20756.6	20807.6
17780.0	20°	17791.4	18324.3	19140.8	19407.2	19515.0	19520.6	19441.3	19537.6	19639.7
15710.6	22.5°	15722.0	16283.3	17003.3	17734.7	18188.3	18165.6	18176.9	18239.3	18347.0
13868.0	25°	13930.3	14469.0	15121.0	15773.0	16765.2	16969.3	16975.0	17031.6	17116.7
12609.3	27.5°	12637.7	12847.4	13442.8	14100.4	15166.3	15818.3	15784.3	15835.3	15926.1
11033.2	30°	11078.5	11883.6	12019.7	12422.2	13340.7	14537.0	14542.7	14599.4	14690.1
10103.3	32.5°	10075.0	10607.9	11027.5	11038.8	11821.2	13051.5	13295.3	13352.0	13414.4
9139.5	35°	9133.8	9196.2	9763.1	9921.9	10375.5	11594.4	12025.3	12059.4	12161.4
7773.1	37.5°	7903.5	8272.0	8430.8	8997.7	9020.4	10006.9	10863.1	10829.0	10908.4
6690.2	40°	6775.2	7126.8	7529.3	7943.2	7999.9	8736.9	9683.8	9717.8	9751.8
5550.6	42.5°	5596.0	6043.9	6457.7	6735.6	7121.1	7546.3	8447.8	8606.5	8685.9
4756.8	45°	4841.9	4966.6	5459.9	5868.1	6259.3	6457.7	7302.5	7591.7	7642.7
3764.7	47.5°	3815.7	4235.2	4569.7	4915.6	5403.2	5578.9	6191.3	6593.8	6633.5
2795.1	50°	2948.2	3248.7	3708.0	4019.8	4586.8	4683.1	5102.7	5624.3	5675.3
1871.0	52.5°	2109.1	2517.3	2965.2	3265.7	3810.0	3934.7	4246.6	4745.5	4779.5
1434.4	55°	1513.8	1780.3	2148.8	2579.7	2976.6	3254.4	3469.8	3946.1	3991.4
941.2	57.5°	1031.9	1281.3	1434.4	1865.3	2103.4	2403.9	2579.7	2942.6	2976.6
447.9	60°	493.3	612.3	731.4	946.8	1099.9	1355.0	1468.4	1615.9	1655.5
272.1	62.5°	317.5	374.2	476.3	567.0	714.4	873.1	918.5	1043.2	1088.6
170.1	65°	209.8	266.5	374.2	396.9	544.3	669.0	725.7	816.4	867.5
102.1	67.5°	119.1	187.1	277.8	328.8	430.9	550.0	612.3	691.7	737.1
68.0	70°	79.4	153.1	221.1	272.1	340.2	442.2	521.6	589.6	618.0
34.0	72.5°	45.4	96.4	153.1	215.4	272.1	368.5	442.2	498.9	328.8
22.7	75°	28.3	73.7	130.4	181.4	226.8	294.8	357.2	351.5	147.4
17.0	77.5°	22.7	56.7	113.4	153.1	187.1	204.1	255.1	289.2	113.4
11.3	80°	17.0	45.4	102.1	130.4	73.7	147.4	198.4	215.4	79.4
11.3	82.5°	11.3	28.3	85.0	90.7	51.0	107.7	158.8	141.7	56.7
5.7	85°	5.7	17.0	28.3	51.0	45.4	51.0	39.7	56.7	39.7
5.7	87.5°	5.7	11.3	22.7	22.7	22.7	17.0	22.7	22.7	22.7
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



180°
23665.1
23597.1
23557.4
23472.4
23120.9
22621.9
21794.2
20977.7
19707.7
18364.0
17264.1
16011.1
14848.8
13556.1
12269.1
11004.8
9859.5
8799.3
7767.4
6729.9
5749.0
4841.9
4031.1
3044.6
1700.9
1099.9
867.5
731.4
612.3
266.5
147.4
113.4
85.0
56.7
39.7
22.7
0.0

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