

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: P637936

Luminaire Tested: **IFLD-S-SA6A-750-U-66-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P637936  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA6A-750-U-66-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 6 distribution lens and Visor  
Light Source: (96) 5000K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 23279.4 lumens  
Efficiency: N/A  
Efficacy: 122.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B5 - U0 - G2

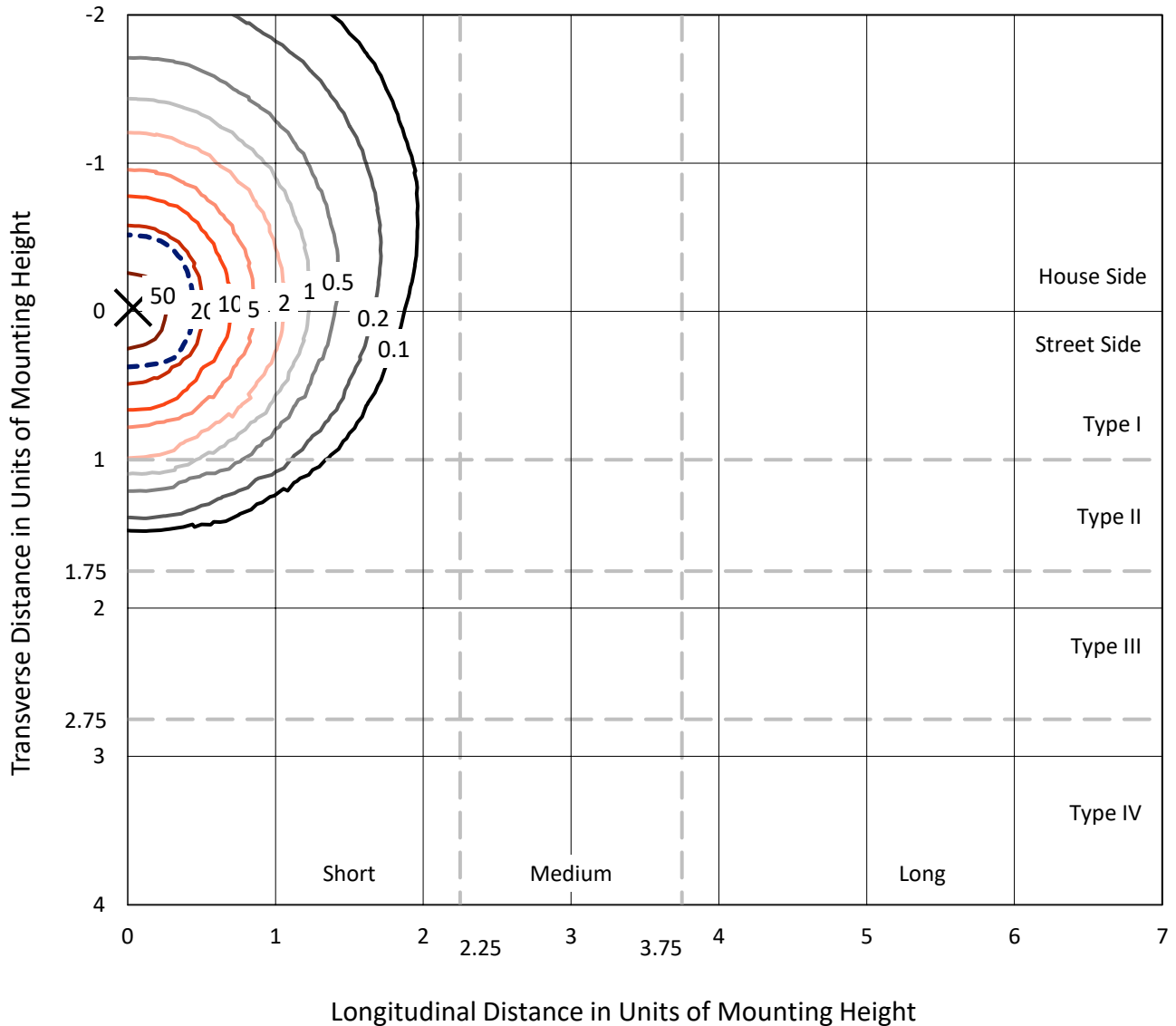
Input Watts (W): 189.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

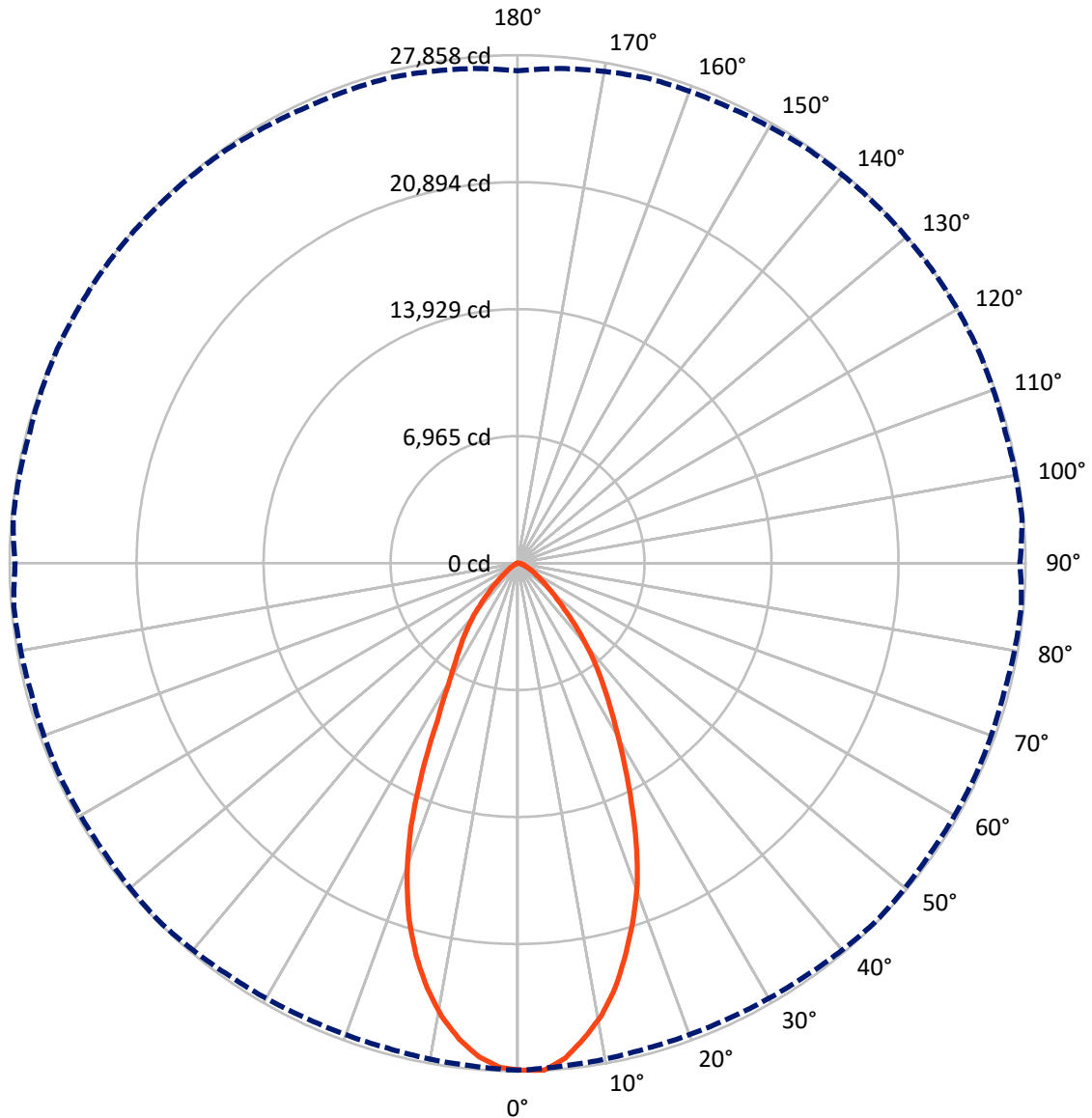
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 69.5 fc  
 Type I - Short - N/A

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CATALOG NUMBER: IFLD-S-SA6A-750-U-66-VI

### Luminous Intensity Polar Plot



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

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CATALOG NUMBER: IFLD-S-SA6A-750-U-66-VI

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	13209.7	0.0	13209.7
	% Fixture	56.7	0.0	56.7
<b>Street Side</b>	Lumens	10069.8	0.0	10069.8
	% Fixture	43.3	0.0	43.3
<b>Total</b>	Lumens	23279.4	0.0	23279.4
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2525.6	10.8
10°-20°	6020.3	25.9
20°-30°	6131.6	26.3
30°-40°	4572.3	19.6
40°-50°	2388.7	10.3
50°-60°	1004.7	4.3
60°-70°	410.3	1.8
70°-80°	172.7	0.7
80°-90°	53.2	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°	23279.4	100.0
0°-180°	23279.4	100.0



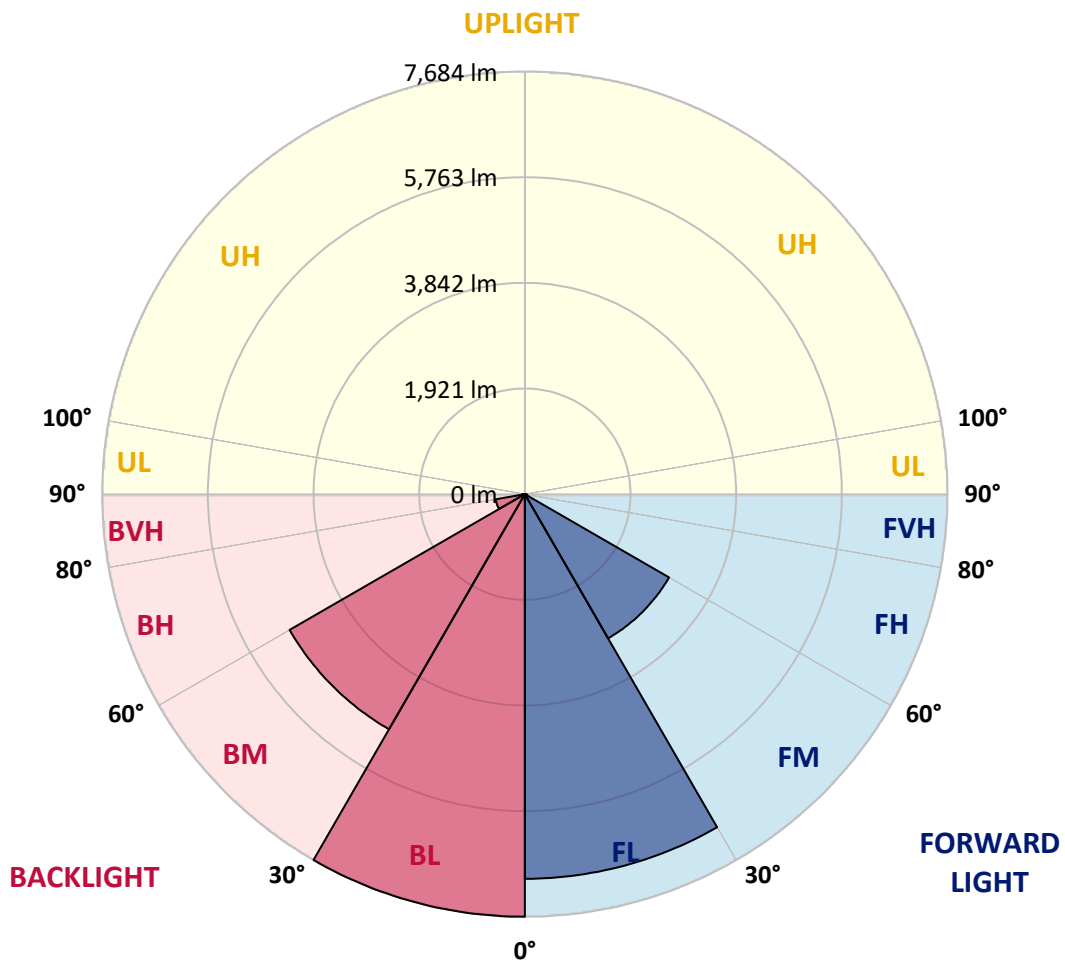
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	6993.4	30.0			
FM (30°-60°)	3027.6	13.0			
FH (60°-80°)	43.8	0.2			G0/660
FVH (80°-90°)	5.0	0.0			G0/10
BL (0°-30°)	7684.1	33.0	B5		
BM (30°-60°)	4938.1	21.2	B3/5000		
BH (60°-80°)	539.2	2.3	B2/1000		G2/1000
BVH (80°-90°)	48.3	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G2**

Type I Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	27813.3	27813.3	27813.3	27813.3	27813.3	27813.3	27813.3	27813.3	27813.3	27813.3
2.5°	27816.3	27702.6	27541.1	27526.2	27609.9	27792.3	27675.7	27681.7	27609.9	27732.5
5°	27379.7	27272.0	27161.4	27014.8	27137.4	27215.2	27155.4	27089.6	26996.9	27116.5
7.5°	26554.3	26494.5	26330.0	26264.3	26339.0	26425.7	26297.2	26279.2	26150.6	26306.1
10°	25292.4	25268.5	25107.0	25068.1	25133.9	25265.5	25208.7	25196.7	25116.0	25101.0
12.5°	23982.6	23889.9	23689.6	23677.6	23776.3	23973.7	23821.1	23674.6	23719.5	23758.3
15°	20609.5	20510.8	21007.2	21787.7	22197.4	22182.4	22227.3	22050.9	21997.0	22015.0
17.5°	16384.1	16216.7	16396.1	17604.2	19550.9	20681.3	20370.3	19990.5	19787.2	19652.6
20°	14141.4	14150.3	14117.5	14428.4	15642.5	18220.2	18145.5	17412.8	17146.7	17036.0
22.5°	12777.8	12726.9	12655.2	12753.9	13079.8	14592.9	15606.6	14933.8	14841.1	14718.5
25°	11441.1	11441.1	11354.4	11453.0	11545.7	11566.7	12583.4	12858.5	12679.1	12679.1
27.5°	10283.8	10224.0	10185.1	10230.0	10107.4	9518.3	9646.9	11055.3	10932.7	10858.0
30°	9135.5	9117.6	9051.8	9111.6	8657.1	7993.2	7724.1	9329.9	9458.5	9431.6
32.5°	7541.7	7613.4	7906.5	7999.2	7221.7	6686.4	6429.3	7745.0	8259.4	8238.4
35°	5125.5	5185.3	5520.2	6626.6	5986.7	5603.9	5529.2	6160.1	7006.4	7087.1
37.5°	4081.8	4072.9	4168.6	4365.9	4811.5	4718.8	4697.8	4862.3	5714.6	5750.4
40°	3364.1	3352.2	3349.2	3187.7	3077.1	3923.3	3866.5	3767.8	4506.5	4578.2
42.5°	2712.2	2724.2	2733.2	2380.3	2218.8	3026.2	2993.3	2891.7	3534.6	3618.3
45°	2129.1	2126.1	2144.1	1773.3	1728.4	1934.8	2236.8	2156.0	2667.4	2757.1
47.5°	1103.4	1142.3	1384.5	1372.6	1393.5	1372.6	1692.5	1671.6	2006.5	2150.1
50°	741.6	753.6	774.5	777.5	1097.5	1010.7	1148.3	1300.8	1405.5	1626.8
52.5°	574.1	583.1	529.3	496.4	672.8	747.6	753.6	900.1	980.8	1205.1
55°	320.0	358.8	385.8	388.7	370.8	553.2	550.2	666.8	729.6	879.2
57.5°	41.9	50.8	77.7	251.2	248.2	308.0	385.8	484.4	520.3	642.9
60°	3.0	6.0	9.0	38.9	164.5	179.4	263.2	302.0	361.8	451.5
62.5°	0.0	0.0	3.0	9.0	32.9	104.7	137.6	158.5	212.3	296.0
65°	0.0	0.0	3.0	6.0	12.0	38.9	53.8	86.7	125.6	182.4
67.5°	0.0	0.0	3.0	6.0	9.0	15.0	23.9	38.9	65.8	110.6
70°	0.0	0.0	3.0	6.0	9.0	12.0	17.9	23.9	35.9	59.8
72.5°	0.0	0.0	3.0	3.0	6.0	15.0	15.0	17.9	23.9	32.9
75°	0.0	0.0	3.0	6.0	9.0	15.0	15.0	15.0	17.9	20.9
77.5°	0.0	0.0	3.0	6.0	9.0	15.0	12.0	15.0	15.0	15.0
80°	0.0	0.0	3.0	6.0	9.0	15.0	17.9	15.0	12.0	12.0
82.5°	0.0	0.0	3.0	9.0	9.0	20.9	20.9	20.9	9.0	9.0
85°	0.0	0.0	6.0	9.0	15.0	23.9	23.9	17.9	9.0	6.0
87.5°	0.0	0.0	3.0	6.0	6.0	12.0	17.9	15.0	6.0	3.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P637936

CATALOG NUMBER: IFLD-S-SA6A-750-U-66-VI

**CANDELA DISTRIBUTION (continued):**

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°
27813.3	0°	27813.3	27813.3	27813.3	27813.3	27813.3	27813.3	27813.3	27813.3	27813.3
27553.1	2.5°	27774.4	27699.6	27840.2	27858.1	27798.3	27723.6	27550.1	27535.2	27233.1
26943.1	5°	27248.1	27125.5	27215.2	27275.0	27254.1	27173.3	27101.6	27035.8	26763.6
25953.3	7.5°	26267.3	26222.4	26264.3	26309.1	26395.8	26309.1	26279.2	26210.4	25941.3
24978.4	10°	25178.8	25095.0	25253.5	25232.6	25208.7	25184.7	25059.1	25071.1	24754.1
23650.7	12.5°	23842.1	23701.5	23854.0	23872.0	23854.0	23770.3	23629.8	23689.6	23399.5
21856.5	15°	22044.9	22029.9	22140.6	22212.3	22263.2	22173.5	22125.6	22155.5	21982.1
19547.9	17.5°	19838.0	20032.4	20394.2	20516.8	20519.8	20612.5	20585.6	20549.7	20421.1
16991.2	20°	17242.4	17616.2	18172.4	18743.5	18908.0	18830.2	18794.4	18860.1	18668.8
14589.9	22.5°	14847.1	15167.1	15813.0	16647.3	17128.7	17176.6	17167.6	17110.8	17036.0
12667.1	25°	12813.7	13097.7	13716.7	14479.3	15403.3	15540.9	15546.8	15528.9	15463.1
10923.8	27.5°	11097.2	11441.1	11782.0	12463.8	13447.6	14015.8	13944.0	13923.1	13899.2
9452.5	30°	9542.2	9975.8	10295.8	10720.4	11602.6	12371.1	12445.8	12410.0	12353.1
8235.4	32.5°	8310.2	8567.4	8974.0	9261.1	9895.1	10765.3	11052.3	11025.4	10974.6
7138.0	35°	7239.6	7341.3	7661.3	7981.2	8402.9	9246.2	9670.8	9611.0	9602.0
5816.2	37.5°	5962.8	6303.7	6480.1	6803.1	7099.1	7754.0	8340.1	8313.2	8316.2
4676.9	40°	4814.5	5011.8	5361.7	5633.8	5905.9	6384.4	7036.3	7054.2	7048.3
3621.3	42.5°	3696.1	3887.5	4255.3	4551.3	4793.5	5089.6	5711.6	5732.5	5759.4
2819.9	45°	2885.7	3008.3	3277.4	3585.4	3842.6	4022.0	4494.5	4629.1	4632.1
2185.9	47.5°	2239.8	2380.3	2571.7	2867.7	3118.9	3247.5	3591.4	3773.8	3764.9
1677.6	50°	1758.3	1886.9	2042.4	2275.7	2547.8	2649.5	2903.6	3083.1	3074.1
1264.9	52.5°	1345.7	1510.1	1647.7	1827.1	2093.2	2180.0	2362.4	2568.7	2538.8
927.0	55°	1019.7	1187.2	1315.8	1465.3	1707.5	1818.1	1943.7	2108.2	2114.2
717.7	57.5°	768.5	942.0	1058.6	1211.1	1393.5	1516.1	1611.8	1788.2	1785.2
490.4	60°	550.2	699.7	840.3	998.8	1139.3	1279.9	1345.7	1513.1	1519.1
346.9	62.5°	397.7	538.3	672.8	810.4	936.0	1073.5	1133.3	1264.9	1282.9
227.3	65°	278.1	376.8	532.3	636.9	777.5	879.2	956.9	1070.5	1091.5
134.6	67.5°	179.4	272.1	421.6	514.3	642.9	729.6	810.4	900.1	927.0
86.7	70°	107.7	206.3	314.0	412.7	529.3	607.0	684.8	762.5	777.5
41.9	72.5°	68.8	143.5	227.3	334.9	424.6	508.4	577.1	634.0	589.1
26.9	75°	38.9	98.7	179.4	263.2	343.9	424.6	481.4	511.4	409.7
17.9	77.5°	23.9	71.8	146.5	212.3	266.1	340.9	376.8	394.7	293.1
12.0	80°	15.0	53.8	122.6	173.4	173.4	251.2	293.1	308.0	212.3
9.0	82.5°	12.0	38.9	95.7	131.6	116.6	188.4	230.3	233.2	149.5
6.0	85°	9.0	29.9	59.8	86.7	80.7	131.6	134.6	149.5	98.7
6.0	87.5°	6.0	17.9	35.9	50.8	44.9	62.8	71.8	80.7	53.8
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





180°
<hr/>
27813.3
26996.9
26545.4
25884.5
24646.5
23315.8
21772.8
20229.7
18531.2
16892.5
15241.8
13758.6
12281.4
10840.0
9503.3
8220.5
6943.6
5669.7
4554.3
3732.0
3074.1
2541.8
2114.2
1779.3
1504.1
1276.9
1085.5
924.0
765.5
547.2
388.7
275.1
197.4
137.6
89.7
47.8
0.0

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