

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: P637788

Luminaire Tested: **IFLD-S-SA3C-722-U-66-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P637788  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA3C-722-U-66-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 6 distribution lens and Visor  
Light Source: (48) 2200K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 13156.3 lumens  
Efficiency: N/A  
Efficacy: 81.8 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

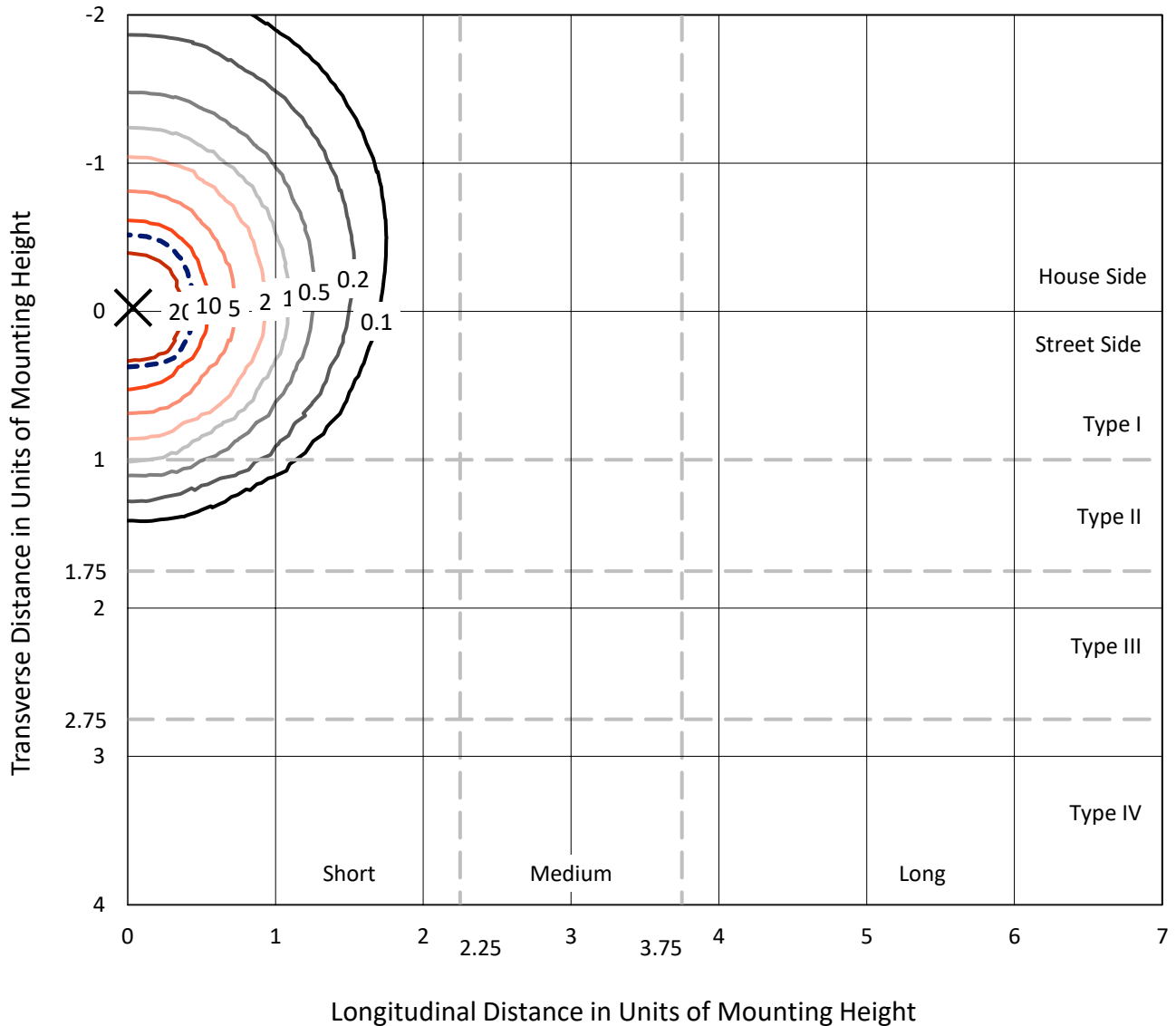
Input Watts (W): 160.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

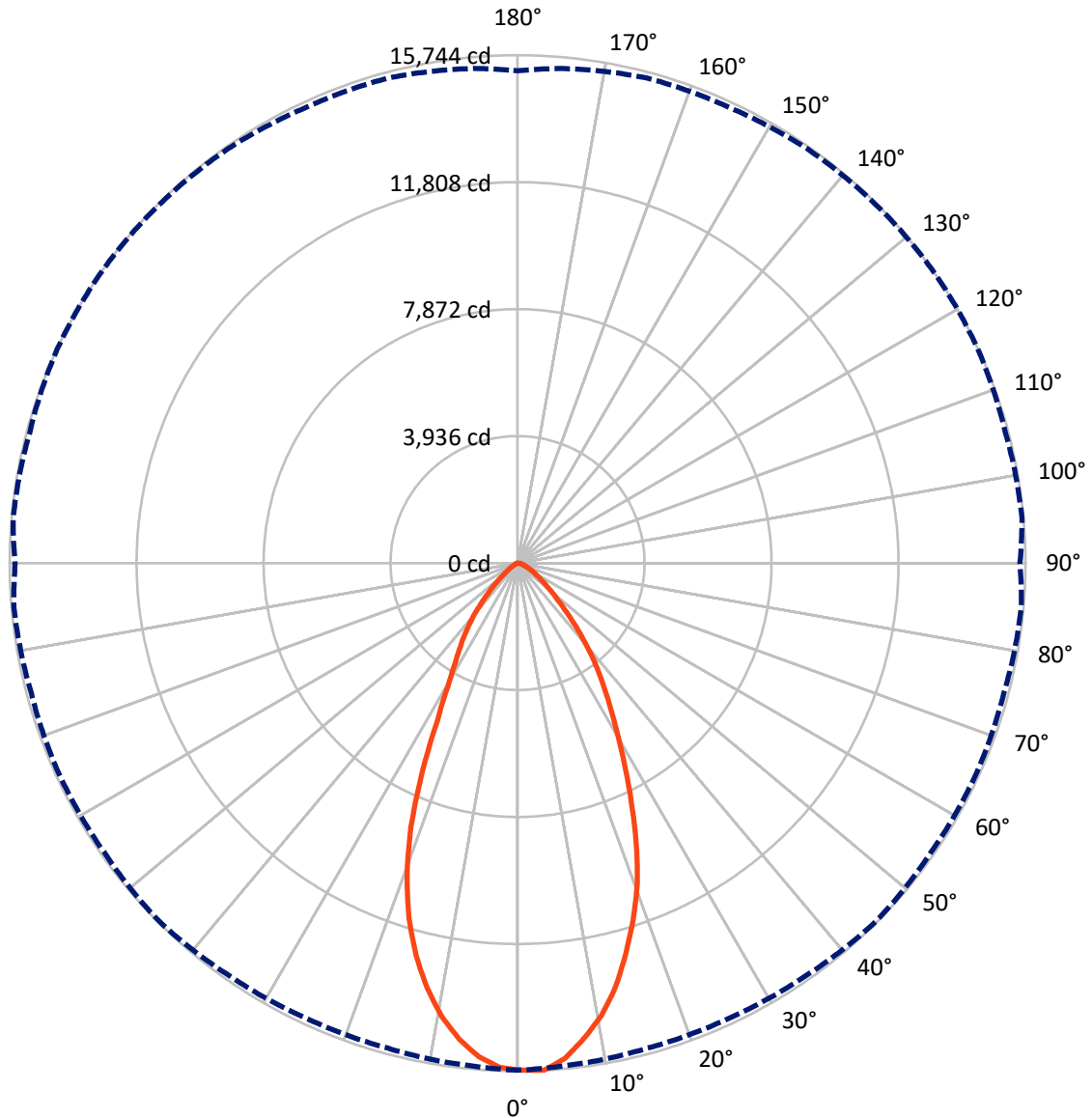
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 39.3 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
<b>House Side</b>	Lumens	7465.4	0.0	7465.4
	% Fixture	56.7	0.0	56.7
<b>Street Side</b>	Lumens	5690.9	0.0	5690.9
	% Fixture	43.3	0.0	43.3
<b>Total</b>	Lumens	13156.3	0.0	13156.3
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1427.3	10.8
10°-20°	3402.4	25.9
20°-30°	3465.3	26.3
30°-40°	2584.0	19.6
40°-50°	1350.0	10.3
50°-60°	567.8	4.3
60°-70°	231.9	1.8
70°-80°	97.6	0.7
80°-90°	30.1	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°	13156.3	100.0
0°-180°	13156.3	100.0



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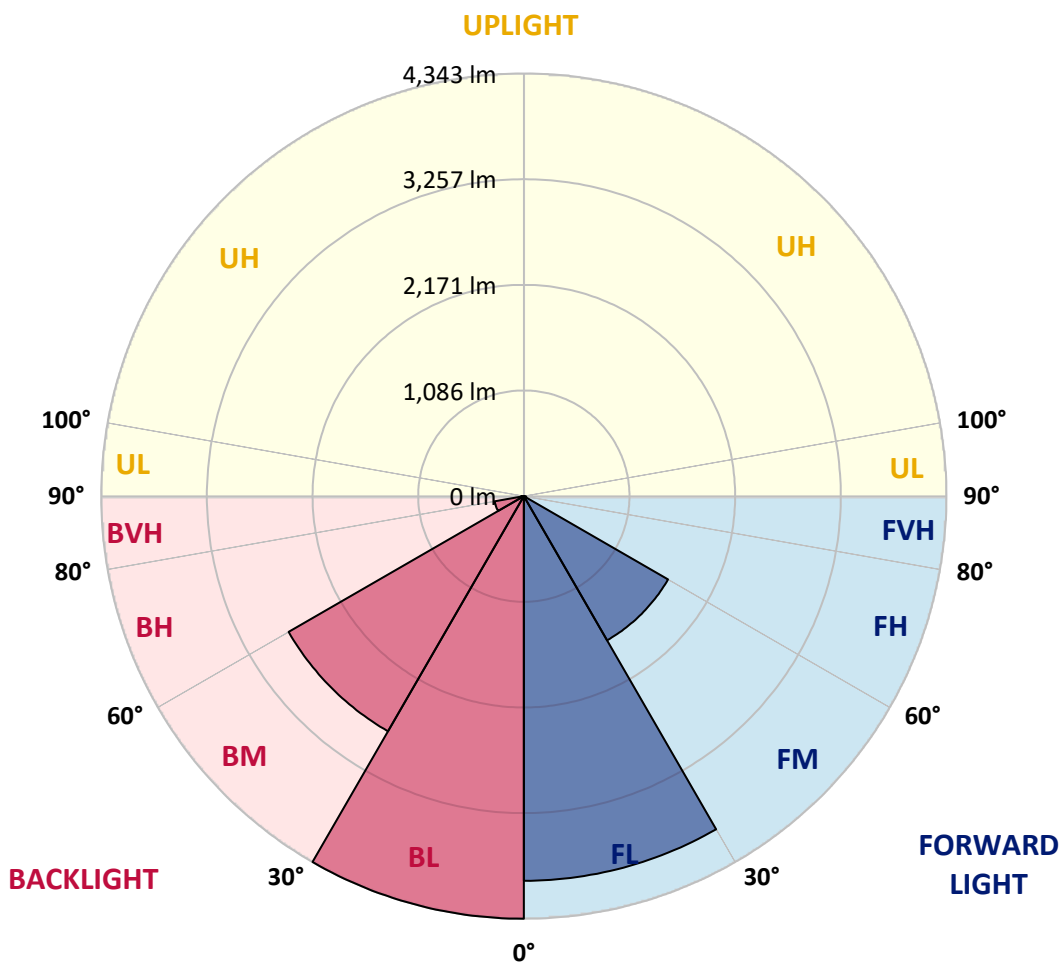
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3952.3	30.0			
FM (30°-60°)	1711.0	13.0			
FH (60°-80°)	24.8	0.2			G0/660
FVH (80°-90°)	2.8	0.0			G0/10
BL (0°-30°)	4342.6	33.0	B4/5000		
BM (30°-60°)	2790.8	21.2	B3/5000		
BH (60°-80°)	304.7	2.3	B1/500		G1/500
BVH (80°-90°)	27.3	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G1**

Type I Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	15718.6	15718.6	15718.6	15718.6	15718.6	15718.6	15718.6	15718.6	15718.6	15718.6
2.5°	15720.3	15656.1	15564.9	15556.4	15603.7	15706.8	15640.9	15644.3	15603.7	15673.0
5°	15473.6	15412.8	15350.2	15267.4	15336.7	15380.6	15346.8	15309.7	15257.3	15324.9
7.5°	15007.2	14973.4	14880.4	14843.2	14885.5	14934.5	14861.8	14851.7	14779.0	14866.9
10°	14294.0	14280.5	14189.2	14167.2	14204.4	14278.8	14246.7	14239.9	14194.3	14185.8
12.5°	13553.8	13501.4	13388.1	13381.4	13437.2	13548.7	13462.5	13379.7	13405.0	13427.0
15°	11647.4	11591.7	11872.2	12313.3	12544.8	12536.4	12561.7	12462.0	12431.6	12441.7
17.5°	9259.5	9164.8	9266.2	9949.0	11049.2	11688.0	11512.2	11297.6	11182.7	11106.6
20°	7992.0	7997.1	7978.5	8154.2	8840.4	10297.1	10254.9	9840.8	9690.4	9627.9
22.5°	7221.3	7192.6	7152.1	7207.8	7392.0	8247.2	8820.1	8439.8	8387.4	8318.2
25°	6465.9	6465.9	6416.9	6472.7	6525.1	6536.9	7111.5	7267.0	7165.6	7165.6
27.5°	5811.9	5778.1	5756.1	5781.5	5712.2	5379.3	5451.9	6247.9	6178.6	6136.4
30°	5162.9	5152.8	5115.6	5149.4	4892.5	4517.4	4365.3	5272.8	5345.5	5330.2
32.5°	4262.2	4302.7	4468.3	4520.7	4081.3	3778.8	3633.5	4377.1	4667.8	4655.9
35°	2896.7	2930.5	3119.7	3745.0	3383.4	3167.1	3124.8	3481.4	3959.7	4005.3
37.5°	2306.8	2301.8	2355.9	2467.4	2719.2	2666.8	2655.0	2747.9	3229.6	3249.9
40°	1901.2	1894.5	1892.8	1801.5	1739.0	2217.3	2185.2	2129.4	2546.8	2587.4
42.5°	1532.8	1539.6	1544.7	1345.2	1254.0	1710.3	1691.7	1634.2	1997.6	2044.9
45°	1203.3	1201.6	1211.7	1002.2	976.8	1093.4	1264.1	1218.5	1507.5	1558.2
47.5°	623.6	645.6	782.5	775.7	787.5	775.7	956.5	944.7	1134.0	1215.1
50°	419.1	425.9	437.7	439.4	620.2	571.2	649.0	735.1	794.3	919.4
52.5°	324.5	329.5	299.1	280.5	380.2	422.5	425.9	508.7	554.3	681.1
55°	180.8	202.8	218.0	219.7	209.6	312.6	311.0	376.9	412.4	496.9
57.5°	23.7	28.7	43.9	142.0	140.3	174.1	218.0	273.8	294.1	363.3
60°	1.7	3.4	5.1	22.0	92.9	101.4	148.7	170.7	204.5	255.2
62.5°	0.0	0.0	1.7	5.1	18.6	59.1	77.7	89.6	120.0	167.3
65°	0.0	0.0	1.7	3.4	6.8	22.0	30.4	49.0	71.0	103.1
67.5°	0.0	0.0	1.7	3.4	5.1	8.4	13.5	22.0	37.2	62.5
70°	0.0	0.0	1.7	3.4	5.1	6.8	10.1	13.5	20.3	33.8
72.5°	0.0	0.0	1.7	1.7	3.4	8.4	8.4	10.1	13.5	18.6
75°	0.0	0.0	1.7	3.4	5.1	8.4	8.4	8.4	10.1	11.8
77.5°	0.0	0.0	1.7	3.4	5.1	8.4	6.8	8.4	8.4	8.4
80°	0.0	0.0	1.7	3.4	5.1	8.4	10.1	8.4	6.8	6.8
82.5°	0.0	0.0	1.7	5.1	5.1	11.8	11.8	11.8	5.1	5.1
85°	0.0	0.0	3.4	5.1	8.4	13.5	13.5	10.1	5.1	3.4
87.5°	0.0	0.0	1.7	3.4	3.4	6.8	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°
15718.6	0°	15718.6	15718.6	15718.6	15718.6	15718.6	15718.6	15718.6	15718.6	15718.6
15571.6	2.5°	15696.7	15654.4	15733.9	15744.0	15710.2	15667.9	15569.9	15561.5	15390.8
15226.9	5°	15399.2	15329.9	15380.6	15414.4	15402.6	15357.0	15316.4	15279.2	15125.5
14667.5	7.5°	14844.9	14819.6	14843.2	14868.6	14917.6	14868.6	14851.7	14812.8	14660.7
14116.5	10°	14229.8	14182.4	14272.0	14260.2	14246.7	14233.1	14162.2	14168.9	13989.8
13366.2	12.5°	13474.3	13394.9	13481.1	13491.2	13481.1	13433.8	13354.3	13388.1	13224.2
12352.2	15°	12458.6	12450.2	12512.7	12553.3	12582.0	12531.3	12504.3	12521.2	12423.2
11047.5	17.5°	11211.4	11321.3	11525.8	11595.1	11596.7	11649.1	11633.9	11613.6	11541.0
9602.6	20°	9744.5	9955.8	10270.1	10592.9	10685.8	10641.9	10621.6	10658.8	10550.6
8245.5	22.5°	8390.8	8571.7	8936.7	9408.2	9680.3	9707.3	9702.3	9670.2	9627.9
7158.8	25°	7241.6	7402.2	7752.0	8183.0	8705.2	8782.9	8786.3	8776.1	8739.0
6173.6	27.5°	6271.6	6465.9	6658.6	7043.9	7599.9	7921.0	7880.4	7868.6	7855.1
5342.1	30°	5392.8	5637.8	5818.7	6058.6	6557.2	6991.5	7033.8	7013.5	6981.4
4654.2	32.5°	4696.5	4841.8	5071.7	5233.9	5592.2	6084.0	6246.2	6231.0	6202.3
4034.0	35°	4091.5	4148.9	4329.8	4510.6	4748.9	5225.5	5465.4	5431.6	5426.6
3287.0	37.5°	3369.9	3562.5	3662.2	3844.7	4012.0	4382.2	4713.4	4698.2	4699.9
2643.2	40°	2720.9	2832.4	3030.2	3184.0	3337.7	3608.1	3976.6	3986.7	3983.3
2046.6	42.5°	2088.8	2197.0	2404.9	2572.2	2709.1	2876.4	3227.9	3239.7	3254.9
1593.7	45°	1630.8	1700.1	1852.2	2026.3	2171.6	2273.0	2540.1	2616.1	2617.8
1235.4	47.5°	1265.8	1345.2	1453.4	1620.7	1762.7	1835.3	2029.7	2132.8	2127.7
948.1	50°	993.7	1066.4	1154.3	1286.1	1439.9	1497.3	1641.0	1742.4	1737.3
714.9	52.5°	760.5	853.4	931.2	1032.6	1183.0	1232.0	1335.1	1451.7	1434.8
523.9	55°	576.3	670.9	743.6	828.1	965.0	1027.5	1098.5	1191.4	1194.8
405.6	57.5°	434.3	532.3	598.3	684.4	787.5	856.8	910.9	1010.6	1008.9
277.2	60°	311.0	395.5	474.9	564.5	643.9	723.3	760.5	855.1	858.5
196.0	62.5°	224.8	304.2	380.2	458.0	529.0	606.7	640.5	714.9	725.0
128.4	65°	157.2	212.9	300.8	360.0	439.4	496.9	540.8	605.0	616.8
76.0	67.5°	101.4	153.8	238.3	290.7	363.3	412.4	458.0	508.7	523.9
49.0	70°	60.8	116.6	177.4	233.2	299.1	343.1	387.0	430.9	439.4
23.7	72.5°	38.9	81.1	128.4	189.3	240.0	287.3	326.2	358.3	332.9
15.2	75°	22.0	55.8	101.4	148.7	194.3	240.0	272.1	289.0	231.5
10.1	77.5°	13.5	40.6	82.8	120.0	150.4	192.7	212.9	223.1	165.6
6.8	80°	8.4	30.4	69.3	98.0	98.0	142.0	165.6	174.1	120.0
5.1	82.5°	6.8	22.0	54.1	74.4	65.9	106.5	130.1	131.8	84.5
3.4	85°	5.1	16.9	33.8	49.0	45.6	74.4	76.0	84.5	55.8
3.4	87.5°	3.4	10.1	20.3	28.7	25.3	35.5	40.6	45.6	30.4
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





180°
15718.6
15257.3
15002.1
14628.6
13928.9
13176.9
12304.9
11432.8
10472.9
9546.8
8613.9
7775.7
6940.8
6126.2
5370.8
4645.8
3924.2
3204.2
2573.9
2109.1
1737.3
1436.5
1194.8
1005.5
850.1
721.6
613.5
522.2
432.6
309.3
219.7
155.5
111.5
77.7
50.7
27.0
0.0

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