

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: P636574

Luminaire Tested: **IFLD-S-SA6B-927-U-66-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P636574  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA6B-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: 16826.1 lumens  
Efficiency: N/A  
Efficacy: 68.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B4 - U0 - G1

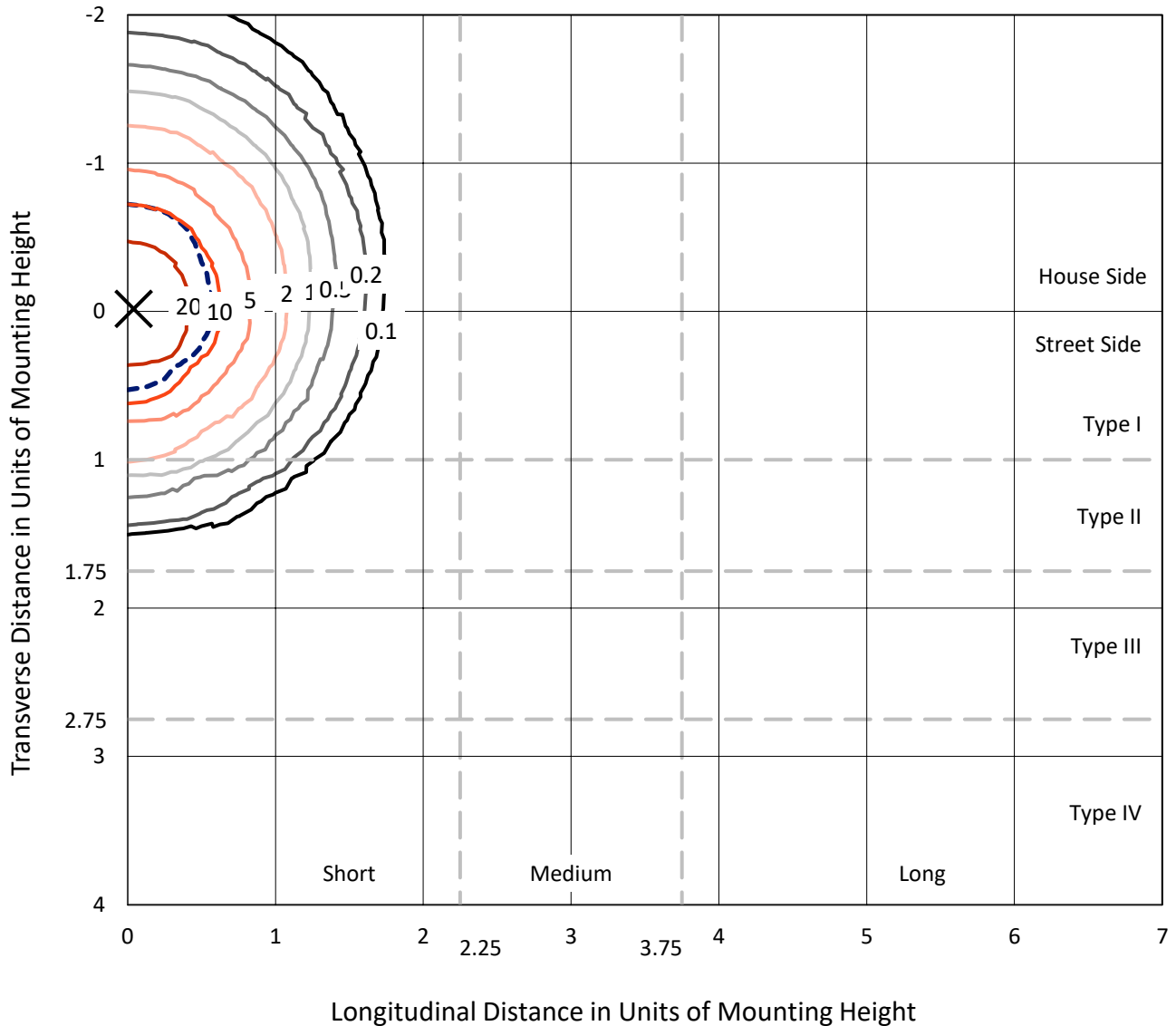
Input Watts (W): 244.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

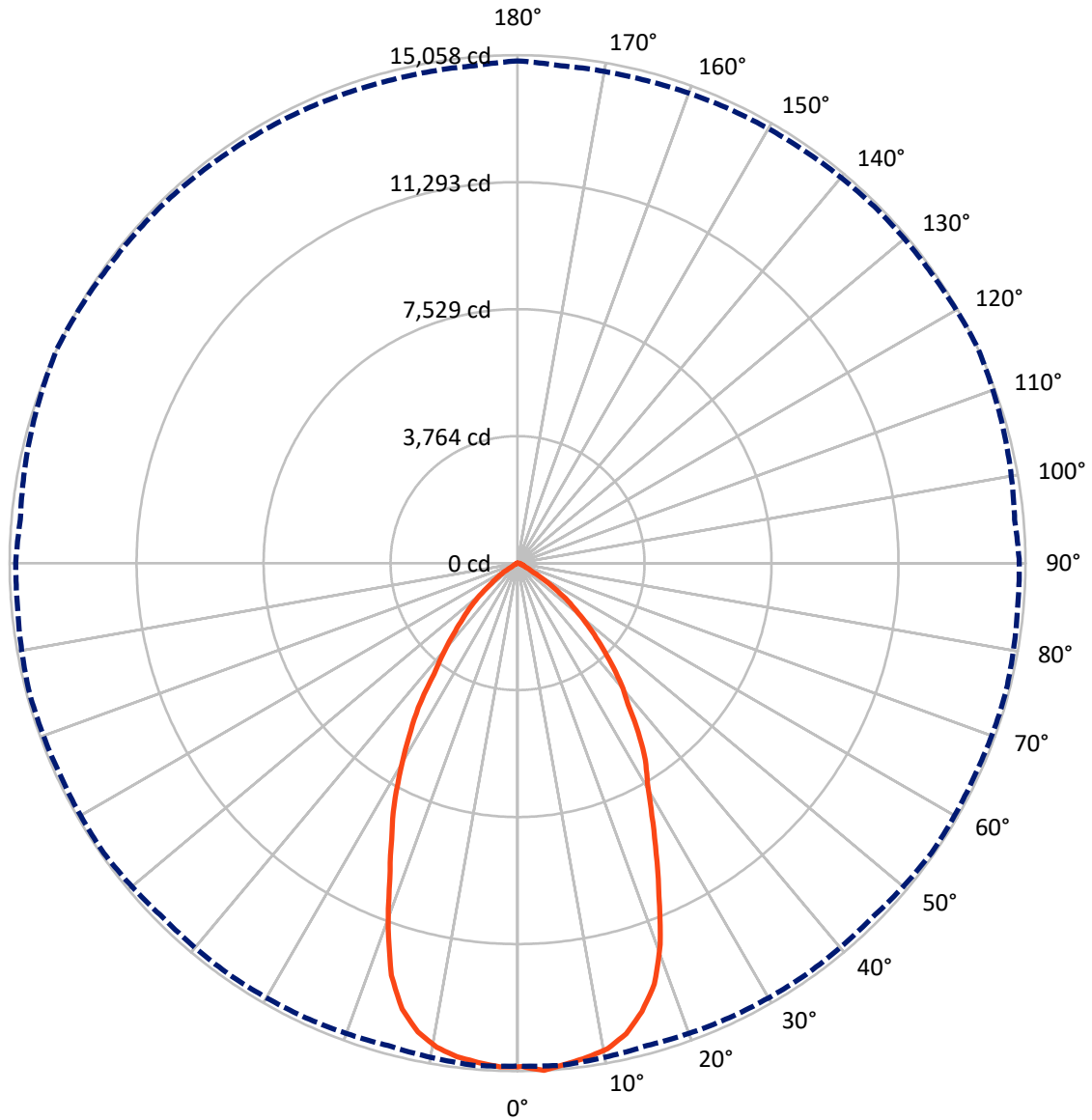
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 37.3 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
<b>House Side</b>	Lumens	9629.3	0.0	9629.3
	% Fixture	57.2	0.0	57.2
<b>Street Side</b>	Lumens	7196.7	0.0	7196.7
	% Fixture	42.8	0.0	42.8
<b>Total</b>	Lumens	16826.1	0.0	16826.1
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1406.1	8.4
10°-20°	3728.3	22.2
20°-30°	4264.4	25.3
30°-40°	3654.5	21.7
40°-50°	2416.5	14.4
50°-60°	1054.4	6.3
60°-70°	207.2	1.2
70°-80°	74.8	0.4
80°-90°	19.9	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°	16826.1	100.0
0°-180°	16826.1	100.0



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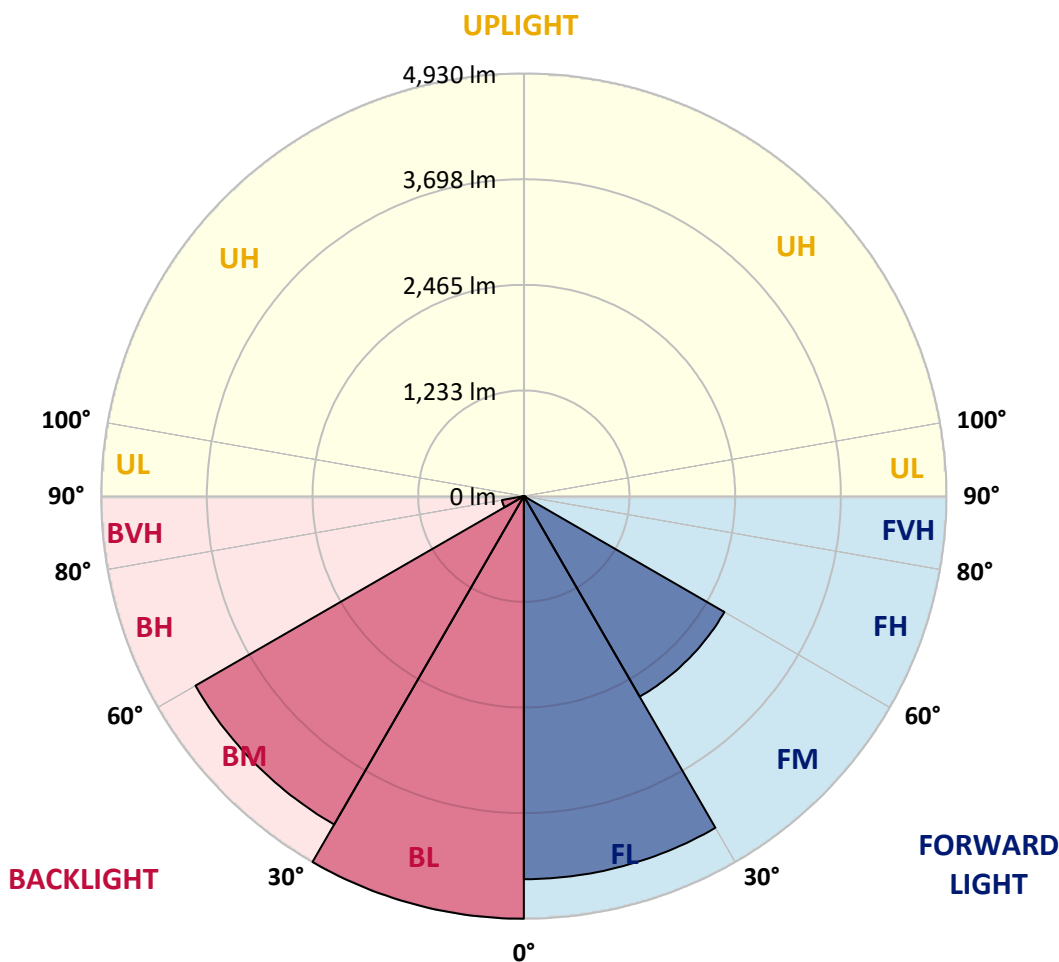
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4468.6	26.6			
FM (30°-60°)	2701.9	16.1			
FH (60°-80°)	22.9	0.1			G0/660
FVH (80°-90°)	3.3	0.0			G0/10
BL (0°-30°)	4930.2	29.3	B4/5000		
BM (30°-60°)	4423.5	26.3	B3/5000		
BH (60°-80°)	259.1	1.5	B1/500		G1/500
BVH (80°-90°)	16.6	0.1			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°	14928.9	14928.9	14928.9	14928.9	14928.9	14928.9	14928.9	14928.9	14928.9	14928.9
2.5°	14907.5	14943.3	14807.3	14868.1	14893.2	14861.0	14979.0	14943.3	14971.9	14882.4
5°	14907.5	14943.3	14785.9	14814.5	14821.6	14760.8	14889.6	14846.7	14850.3	14757.3
7.5°	14814.5	14857.4	14714.3	14735.8	14739.4	14689.3	14800.2	14739.4	14717.9	14621.4
10°	14564.1	14589.2	14460.4	14514.1	14564.1	14517.6	14614.2	14546.2	14546.2	14460.4
12.5°	14167.1	14213.6	14070.5	14134.9	14177.8	14124.2	14235.1	14210.0	14213.6	14127.8
15°	13444.6	13283.7	13455.4	13584.1	13587.7	13577.0	13680.7	13655.7	13673.5	13544.8
17.5°	9932.4	9893.0	10093.3	11613.4	12743.6	12897.4	12915.3	12779.4	12718.6	12593.4
20°	9202.7	9231.3	9188.4	9195.6	10086.2	11935.3	11824.4	11488.2	11334.4	11209.2
22.5°	8669.8	8623.3	8594.7	8576.8	8601.8	9807.2	10604.8	10096.9	10014.6	9953.8
25°	8090.4	8068.9	8033.2	8026.0	8011.7	7807.8	8955.9	9002.4	8870.1	8795.0
27.5°	7550.3	7536.0	7496.7	7493.1	7328.6	6835.0	6960.2	8065.3	8029.6	8001.0
30°	6974.5	6945.9	6924.4	6924.4	6427.2	5919.4	5715.5	7031.7	7031.7	7006.7
32.5°	6348.6	6323.5	6330.7	6244.8	5651.1	5186.1	4864.2	6069.6	6445.1	6423.7
35°	3880.7	3873.5	4599.6	5554.5	4857.1	4435.0	4413.6	5193.3	5740.5	5797.8
37.5°	3455.0	3433.6	3444.3	3505.1	4159.6	3991.5	3984.4	4116.7	4885.7	4914.3
40°	3101.0	3086.7	3075.9	2857.7	2650.3	3562.3	3537.3	3451.5	4174.0	4224.0
42.5°	2764.8	2750.4	2750.4	2442.9	2106.6	2929.3	2940.0	2839.9	3519.4	3537.3
45°	2417.8	2407.1	2346.3	1949.3	1852.7	1945.7	2435.7	2321.2	2793.4	2979.4
47.5°	1141.0	1133.8	1641.7	1620.2	1613.1	1555.8	1859.9	1924.2	2217.5	2403.5
50°	915.6	908.5	865.5	761.8	1326.9	1180.3	1341.2	1480.7	1573.7	1745.4
52.5°	758.3	751.1	661.7	586.6	736.8	862.0	801.2	990.7	987.2	1173.1
55°	497.2	461.4	507.9	479.3	386.3	625.9	611.6	751.1	733.2	894.2
57.5°	10.7	10.7	25.0	271.8	243.2	264.7	350.5	429.2	482.8	529.3
60°	3.6	3.6	7.2	14.3	100.1	110.9	135.9	157.4	221.8	275.4
62.5°	0.0	0.0	3.6	7.2	14.3	57.2	64.4	75.1	103.7	143.1
65°	0.0	0.0	0.0	3.6	7.2	14.3	21.5	46.5	64.4	82.3
67.5°	0.0	0.0	0.0	3.6	3.6	7.2	14.3	21.5	28.6	57.2
70°	0.0	0.0	0.0	3.6	3.6	7.2	10.7	14.3	21.5	28.6
72.5°	0.0	0.0	0.0	3.6	3.6	10.7	7.2	10.7	14.3	17.9
75°	0.0	0.0	0.0	3.6	3.6	3.6	7.2	10.7	10.7	14.3
77.5°	0.0	0.0	0.0	3.6	7.2	7.2	7.2	7.2	7.2	10.7
80°	0.0	0.0	0.0	3.6	3.6	7.2	10.7	14.3	7.2	7.2
82.5°	0.0	0.0	0.0	7.2	3.6	14.3	21.5	17.9	7.2	3.6
85°	0.0	0.0	0.0	3.6	14.3	17.9	17.9	10.7	3.6	3.6
87.5°	0.0	0.0	0.0	3.6	3.6	7.2	10.7	10.7	3.6	3.6
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):**

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°
14928.9	0°	14928.9	14928.9	14928.9	14928.9	14928.9	14928.9	14928.9	14928.9	14928.9
14875.3	2.5°	14793.0	14932.5	15057.7	14979.0	14950.4	14893.2	14850.3	14803.8	14800.2
14746.5	5°	14664.3	14796.6	14918.2	14825.2	14832.4	14803.8	14775.1	14764.4	14771.6
14614.2	7.5°	14553.4	14664.3	14796.6	14717.9	14739.4	14721.5	14707.2	14685.7	14717.9
14442.5	10°	14385.3	14485.4	14639.2	14564.1	14553.4	14535.5	14521.2	14481.9	14499.7
14131.4	12.5°	14016.9	14142.1	14317.3	14231.5	14260.1	14210.0	14188.6	14163.5	14167.1
13591.3	15°	13516.2	13612.7	13791.6	13723.6	13745.1	13712.9	13712.9	13712.9	13737.9
12611.3	17.5°	12643.5	12840.2	13122.7	13036.9	13069.1	13076.2	13069.1	13094.1	13126.3
11216.4	20°	11223.5	11559.7	12074.8	12242.9	12310.8	12314.4	12264.3	12325.1	12389.5
9910.9	22.5°	9918.1	10272.1	10726.4	11187.8	11473.9	11459.6	11466.7	11506.1	11574.0
8748.5	25°	8787.8	9127.6	9538.9	9950.2	10576.2	10704.9	10708.5	10744.3	10797.9
7954.5	27.5°	7972.4	8104.7	8480.2	8895.1	9567.5	9978.9	9957.4	9989.6	10046.8
6960.2	30°	6988.8	7496.7	7582.5	7836.4	8415.9	9170.5	9174.1	9209.9	9267.1
6373.6	32.5°	6355.7	6691.9	6956.6	6963.7	7457.3	8233.5	8387.2	8423.0	8462.4
5765.6	35°	5762.0	5801.3	6159.0	6259.1	6545.3	7314.3	7586.1	7607.5	7671.9
4903.6	37.5°	4985.9	5218.3	5318.5	5676.1	5690.5	6312.8	6852.9	6831.4	6881.5
4220.4	40°	4274.1	4495.9	4749.8	5010.9	5046.7	5511.6	6108.9	6130.4	6151.8
3501.5	42.5°	3530.2	3812.7	4073.8	4249.1	4492.3	4760.5	5329.2	5429.4	5479.4
3000.8	45°	3054.5	3133.1	3444.3	3701.8	3948.6	4073.8	4606.7	4789.1	4821.3
2374.9	47.5°	2407.1	2671.8	2882.8	3101.0	3408.5	3519.4	3905.7	4159.6	4184.7
1763.3	50°	1859.9	2049.4	2339.1	2535.8	2893.5	2954.3	3219.0	3548.0	3580.2
1180.3	52.5°	1330.5	1588.0	1870.6	2060.2	2403.5	2482.2	2678.9	2993.7	3015.1
904.9	55°	955.0	1123.1	1355.6	1627.4	1877.7	2053.0	2188.9	2489.3	2518.0
593.7	57.5°	651.0	808.3	904.9	1176.7	1326.9	1516.5	1627.4	1856.3	1877.7
282.6	60°	311.2	386.3	461.4	597.3	693.9	854.8	926.4	1019.3	1044.4
171.7	62.5°	200.3	236.1	300.4	357.7	450.7	550.8	579.4	658.1	686.7
107.3	65°	132.3	168.1	236.1	250.4	343.4	422.0	457.8	515.0	547.2
64.4	67.5°	75.1	118.0	175.3	207.4	271.8	346.9	386.3	436.4	465.0
42.9	70°	50.1	96.6	139.5	171.7	214.6	279.0	329.1	372.0	389.9
21.5	72.5°	28.6	60.8	96.6	135.9	171.7	232.5	279.0	314.7	207.4
14.3	75°	17.9	46.5	82.3	114.5	143.1	186.0	225.3	221.8	93.0
10.7	77.5°	14.3	35.8	71.5	96.6	118.0	128.8	160.9	182.4	71.5
7.2	80°	10.7	28.6	64.4	82.3	46.5	93.0	125.2	135.9	50.1
7.2	82.5°	7.2	17.9	53.6	57.2	32.2	68.0	100.1	89.4	35.8
3.6	85°	3.6	10.7	17.9	32.2	28.6	32.2	25.0	35.8	25.0
3.6	87.5°	3.6	7.2	14.3	14.3	14.3	10.7	14.3	14.3	14.3
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





180°  
14928.9  
*14886.0*  
14861.0  
14807.3  
14585.6  
14270.8  
13748.6  
13233.6  
12432.4  
11584.8  
10890.9  
10100.5  
9367.3  
8551.8  
7739.9  
6942.3  
6219.8  
5551.0  
4900.0  
4245.5  
3626.7  
3054.5  
2543.0  
1920.7  
1073.0  
693.9  
547.2  
461.4  
386.3  
168.1  
93.0  
71.5  
53.6  
35.8  
25.0  
14.3  
0.0

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