

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: P636634

Luminaire Tested: **IFLD-S-SA6D-935-U-66-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P636634  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA6D-935-U-66-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 6 distribution lens and Visor  
Light Source: (96) 3500K CCT, 90 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 24172.4 lumens  
Efficiency: N/A  
Efficacy: 65.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B5 - U0 - G1

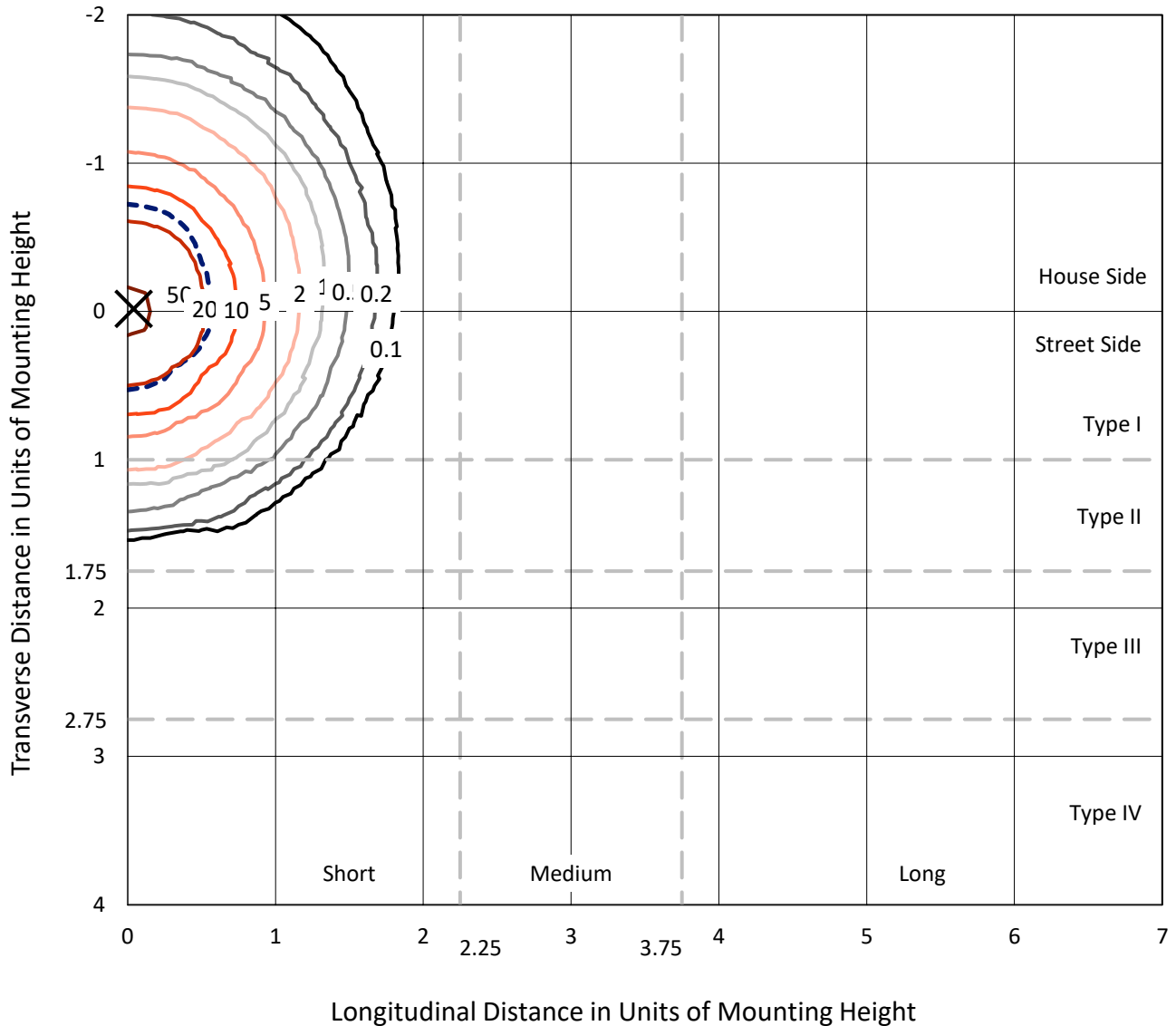
Input Watts (W): 368.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

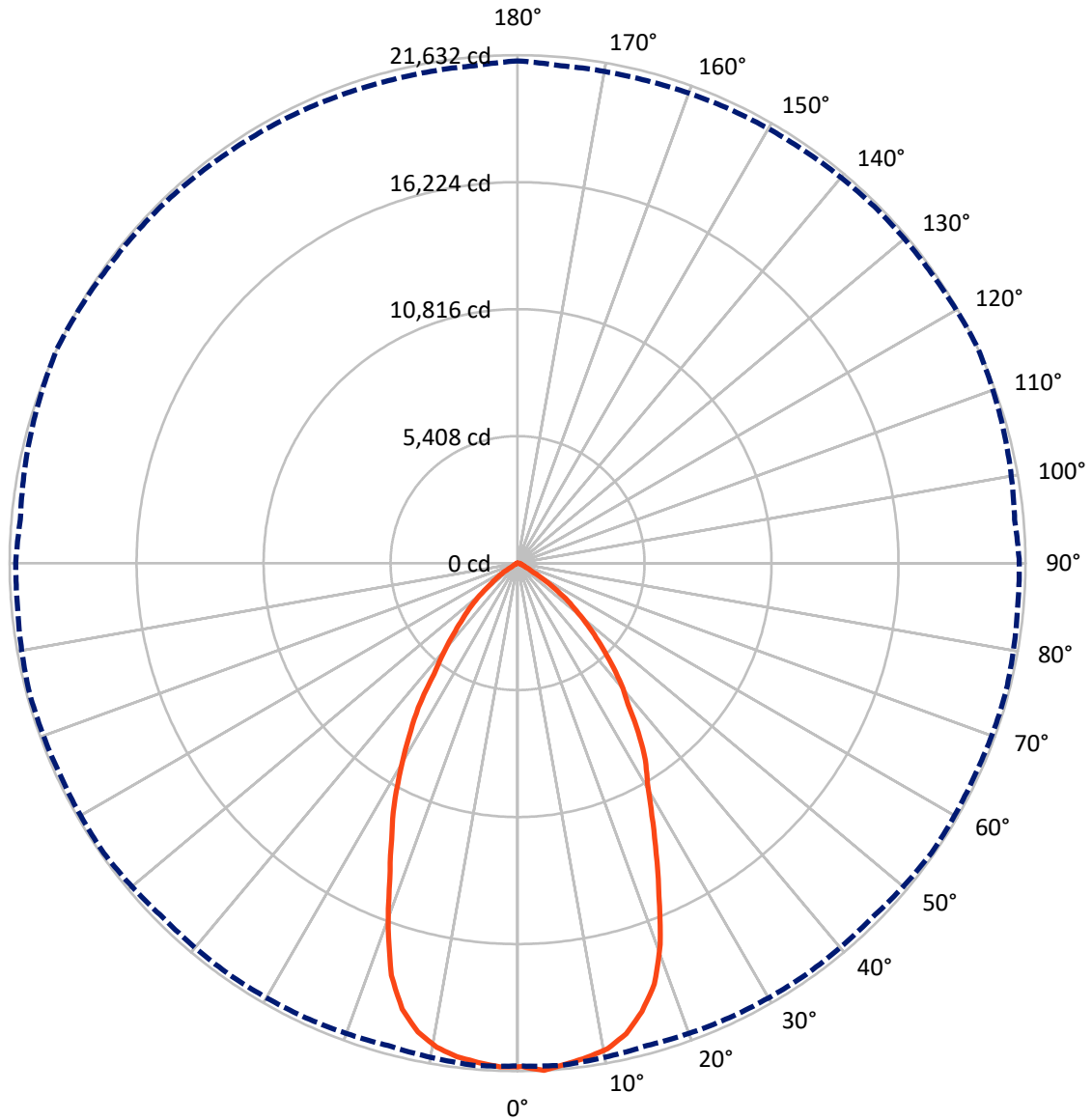
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 53.6 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	13833.6	0.0	13833.6
	% Fixture	57.2	0.0	57.2
<b>Street Side</b>	Lumens	10338.8	0.0	10338.8
	% Fixture	42.8	0.0	42.8
<b>Total</b>	Lumens	24172.4	0.0	24172.4
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2020.0	8.4
10°-20°	5356.1	22.2
20°-30°	6126.3	25.3
30°-40°	5250.0	21.7
40°-50°	3471.5	14.4
50°-60°	1514.8	6.3
60°-70°	297.6	1.2
70°-80°	107.4	0.4
80°-90°	28.6	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°	24172.4	100.0
0°-180°	24172.4	100.0



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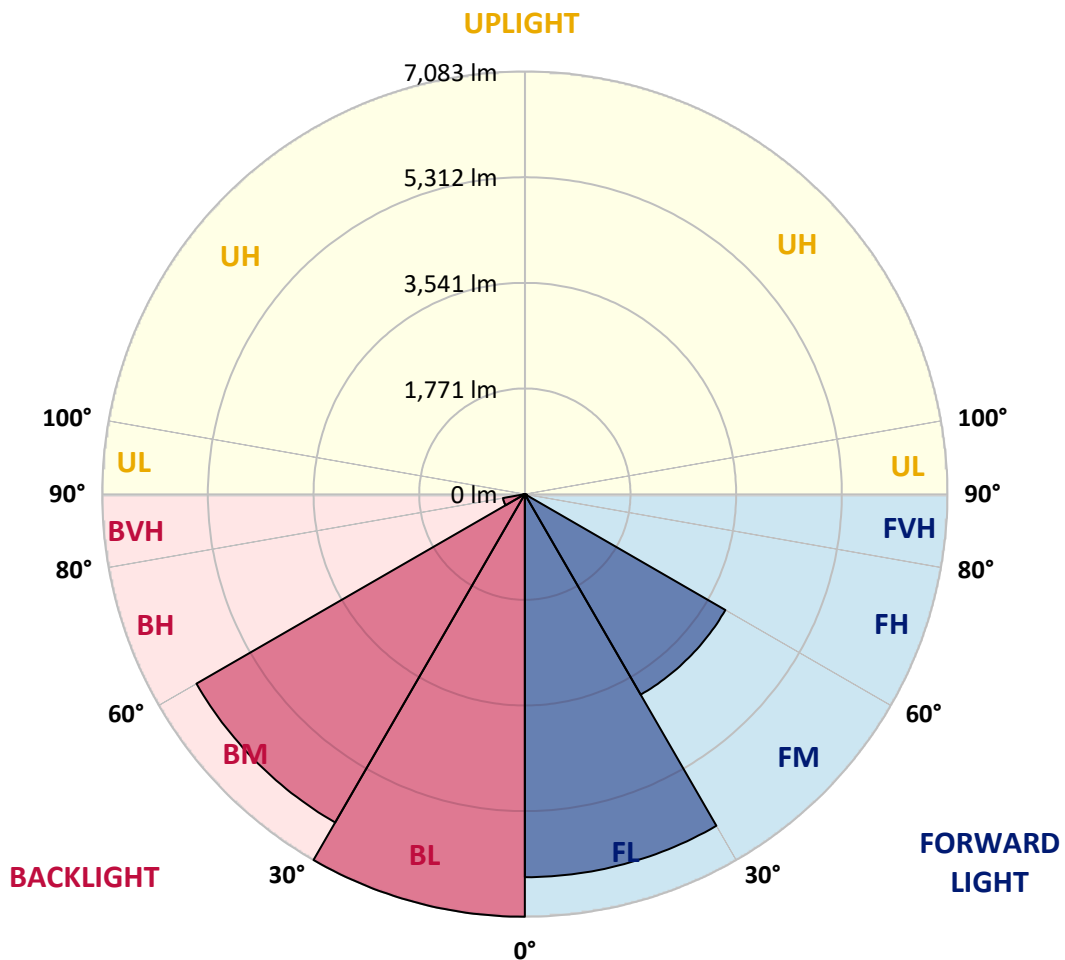
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	6419.7	26.6			
FM (30°-60°)	3881.6	16.1			
FH (60°-80°)	32.9	0.1			G0/660
FVH (80°-90°)	4.7	0.0			G0/10
BL (0°-30°)	7082.7	29.3	B5		
BM (30°-60°)	6354.8	26.3	B4/8500		
BH (60°-80°)	372.1	1.5	B1/500		G1/500
BVH (80°-90°)	23.8	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°	21447.0	21447.0	21447.0	21447.0	21447.0	21447.0	21447.0	21447.0	21447.0	21447.0
2.5°	21416.2	21467.5	21272.3	21359.6	21395.6	21349.4	21518.9	21467.5	21508.7	21380.2
5°	21416.2	21467.5	21241.5	21282.6	21292.8	21205.5	21390.5	21328.8	21334.0	21200.4
7.5°	21282.6	21344.2	21138.7	21169.5	21174.7	21102.7	21262.0	21174.7	21143.8	21005.1
10°	20922.9	20958.9	20773.9	20851.0	20922.9	20856.1	20994.8	20897.2	20897.2	20773.9
12.5°	20352.6	20419.3	20213.8	20306.3	20368.0	20290.9	20450.2	20414.2	20419.3	20296.0
15°	19314.6	19083.4	19330.0	19515.0	19520.2	19504.7	19653.8	19617.8	19643.5	19458.5
17.5°	14268.9	14212.4	14500.1	16683.9	18307.5	18528.5	18554.2	18358.9	18271.6	18091.7
20°	13220.7	13261.8	13200.1	13210.4	14489.8	17146.3	16987.0	16504.0	16283.1	16103.2
22.5°	12455.1	12388.3	12347.2	12321.5	12357.5	14089.0	15234.9	14505.2	14387.1	14299.7
25°	11622.7	11591.9	11540.5	11530.2	11509.6	11216.8	12866.1	12932.9	12742.8	12634.9
27.5°	10846.8	10826.3	10769.7	10764.6	10528.2	9819.2	9999.0	11586.7	11535.3	11494.2
30°	10019.6	9978.5	9947.6	9947.6	9233.4	8503.8	8210.9	10101.8	10101.8	10065.8
32.5°	9120.4	9084.4	9094.7	8971.4	8118.4	7450.4	6988.0	8719.6	9259.1	9228.3
35°	5575.0	5564.7	6607.8	7979.7	6977.7	6371.4	6340.6	7460.7	8246.9	8329.1
37.5°	4963.5	4932.7	4948.1	5035.5	5975.8	5734.3	5724.0	5914.1	7018.8	7059.9
40°	4454.9	4434.3	4418.9	4105.5	3807.4	5117.7	5081.7	4958.4	5996.3	6068.3
42.5°	3971.9	3951.3	3951.3	3509.4	3026.4	4208.2	4223.6	4079.8	5056.0	5081.7
45°	3473.4	3458.0	3370.7	2800.3	2661.6	2795.2	3499.1	3334.7	4013.0	4280.2
47.5°	1639.1	1628.8	2358.5	2327.6	2317.3	2235.1	2671.9	2764.4	3185.7	3452.9
50°	1315.4	1305.1	1243.5	1094.4	1906.3	1695.6	1926.8	2127.2	2260.8	2507.5
52.5°	1089.3	1079.0	950.6	842.7	1058.5	1238.3	1151.0	1423.3	1418.2	1685.3
55°	714.2	662.8	729.6	688.5	554.9	899.2	878.6	1079.0	1053.3	1284.6
57.5°	15.4	15.4	36.0	390.5	349.4	380.2	503.5	616.6	693.7	760.5
60°	5.1	5.1	10.3	20.6	143.9	159.3	195.3	226.1	318.6	395.6
62.5°	0.0	0.0	5.1	10.3	20.6	82.2	92.5	107.9	149.0	205.5
65°	0.0	0.0	0.0	5.1	10.3	20.6	30.8	66.8	92.5	118.2
67.5°	0.0	0.0	0.0	5.1	5.1	10.3	20.6	30.8	41.1	82.2
70°	0.0	0.0	0.0	5.1	5.1	10.3	15.4	20.6	30.8	41.1
72.5°	0.0	0.0	0.0	5.1	5.1	15.4	10.3	15.4	20.6	25.7
75°	0.0	0.0	0.0	5.1	5.1	5.1	10.3	15.4	15.4	20.6
77.5°	0.0	0.0	0.0	5.1	10.3	10.3	10.3	10.3	10.3	15.4
80°	0.0	0.0	0.0	5.1	5.1	10.3	15.4	20.6	10.3	10.3
82.5°	0.0	0.0	0.0	10.3	5.1	20.6	30.8	25.7	10.3	5.1
85°	0.0	0.0	0.0	5.1	20.6	25.7	25.7	15.4	5.1	5.1
87.5°	0.0	0.0	0.0	5.1	5.1	10.3	15.4	15.4	5.1	5.1
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°
21447.0	0°	21447.0	21447.0	21447.0	21447.0	21447.0	21447.0	21447.0	21447.0	21447.0
21369.9	2.5°	21251.7	21452.1	21632.0	21518.9	21477.8	21395.6	21334.0	21267.2	21262.0
21184.9	5°	21066.8	21256.9	21431.6	21298.0	21308.3	21267.2	21226.1	21210.6	21220.9
20994.8	7.5°	20907.5	21066.8	21256.9	21143.8	21174.7	21149.0	21128.4	21097.6	21143.8
20748.2	10°	20666.0	20809.9	21030.8	20922.9	20907.5	20881.8	20861.2	20804.7	20830.4
20301.2	12.5°	20136.7	20316.6	20568.4	20445.0	20486.1	20414.2	20383.4	20347.4	20352.6
19525.3	15°	19417.4	19556.1	19813.0	19715.4	19746.2	19700.0	19700.0	19700.0	19736.0
18117.4	17.5°	18163.7	18446.3	18852.2	18728.9	18775.1	18785.4	18775.1	18811.1	18857.3
16113.5	20°	16123.8	16606.8	17346.7	17588.2	17685.8	17690.9	17619.0	17706.4	17798.8
14238.1	22.5°	14248.3	14757.0	15409.6	16072.4	16483.5	16462.9	16473.2	16529.7	16627.3
12568.1	25°	12624.6	13112.8	13703.7	14294.6	15193.8	15378.7	15383.9	15435.3	15512.3
11427.4	27.5°	11453.1	11643.2	12182.8	12778.8	13744.8	14335.7	14304.8	14351.1	14433.3
9999.0	30°	10040.1	10769.7	10893.1	11257.9	12090.3	13174.4	13179.6	13231.0	13313.2
9156.3	32.5°	9130.6	9613.6	9993.9	10004.1	10713.2	11828.2	12049.2	12100.5	12157.1
8282.8	35°	8277.7	8334.2	8848.0	8991.9	9403.0	10507.7	10898.2	10929.0	11021.5
7044.5	37.5°	7162.7	7496.7	7640.6	8154.4	8174.9	9069.0	9844.9	9814.0	9886.0
6063.1	40°	6140.2	6458.8	6823.6	7198.7	7250.1	7918.0	8776.1	8806.9	8837.8
5030.3	42.5°	5071.4	5477.4	5852.5	6104.2	6453.6	6839.0	7656.0	7799.8	7871.8
4311.0	45°	4388.1	4501.1	4948.1	5318.1	5672.6	5852.5	6618.0	6880.1	6926.3
3411.8	47.5°	3458.0	3838.3	4141.4	4454.9	4896.7	5056.0	5611.0	5975.8	6011.7
2533.2	50°	2671.9	2944.2	3360.4	3643.0	4156.8	4244.2	4624.4	5097.1	5143.4
1695.6	52.5°	1911.4	2281.4	2687.3	2959.6	3452.9	3565.9	3848.5	4300.7	4331.5
1300.0	55°	1371.9	1613.4	1947.4	2337.9	2697.6	2949.3	3144.6	3576.2	3617.3
852.9	57.5°	935.2	1161.2	1300.0	1690.5	1906.3	2178.6	2337.9	2666.7	2697.6
405.9	60°	447.0	554.9	662.8	858.1	996.8	1228.0	1330.8	1464.4	1500.4
246.6	62.5°	287.7	339.1	431.6	513.8	647.4	791.3	832.4	945.4	986.5
154.1	65°	190.1	241.5	339.1	359.7	493.3	606.3	657.7	739.9	786.2
92.5	67.5°	107.9	169.6	251.8	298.0	390.5	498.4	554.9	626.9	668.0
61.7	70°	71.9	138.7	200.4	246.6	308.3	400.8	472.7	534.4	560.1
30.8	72.5°	41.1	87.4	138.7	195.3	246.6	334.0	400.8	452.2	298.0
20.6	75°	25.7	66.8	118.2	164.4	205.5	267.2	323.7	318.6	133.6
15.4	77.5°	20.6	51.4	102.8	138.7	169.6	185.0	231.2	262.1	102.8
10.3	80°	15.4	41.1	92.5	118.2	66.8	133.6	179.8	195.3	71.9
10.3	82.5°	10.3	25.7	77.1	82.2	46.2	97.6	143.9	128.5	51.4
5.1	85°	5.1	15.4	25.7	46.2	41.1	46.2	36.0	51.4	36.0
5.1	87.5°	5.1	10.3	20.6	20.6	20.6	15.4	20.6	20.6	20.6
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





180°
21447.0
21385.3
21349.4
21272.3
20953.7
20501.6
19751.4
19011.5
17860.5
16642.7
15645.9
14510.4
13457.0
12285.5
11119.1
9973.3
8935.4
7974.5
7039.4
6099.1
5210.2
4388.1
3653.3
2759.2
1541.5
996.8
786.2
662.8
554.9
241.5
133.6
102.8
77.1
51.4
36.0
20.6
0.0

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