

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: P636672

Luminaire Tested: **IFLD-L-SA7C-940-U-66-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P636672  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA7C-940-U-66-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 6 distribution lens and Visor  
Light Source: (112) 4000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 25505.4 lumens  
Efficiency: N/A  
Efficacy: 69.1 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B5 - U0 - G1

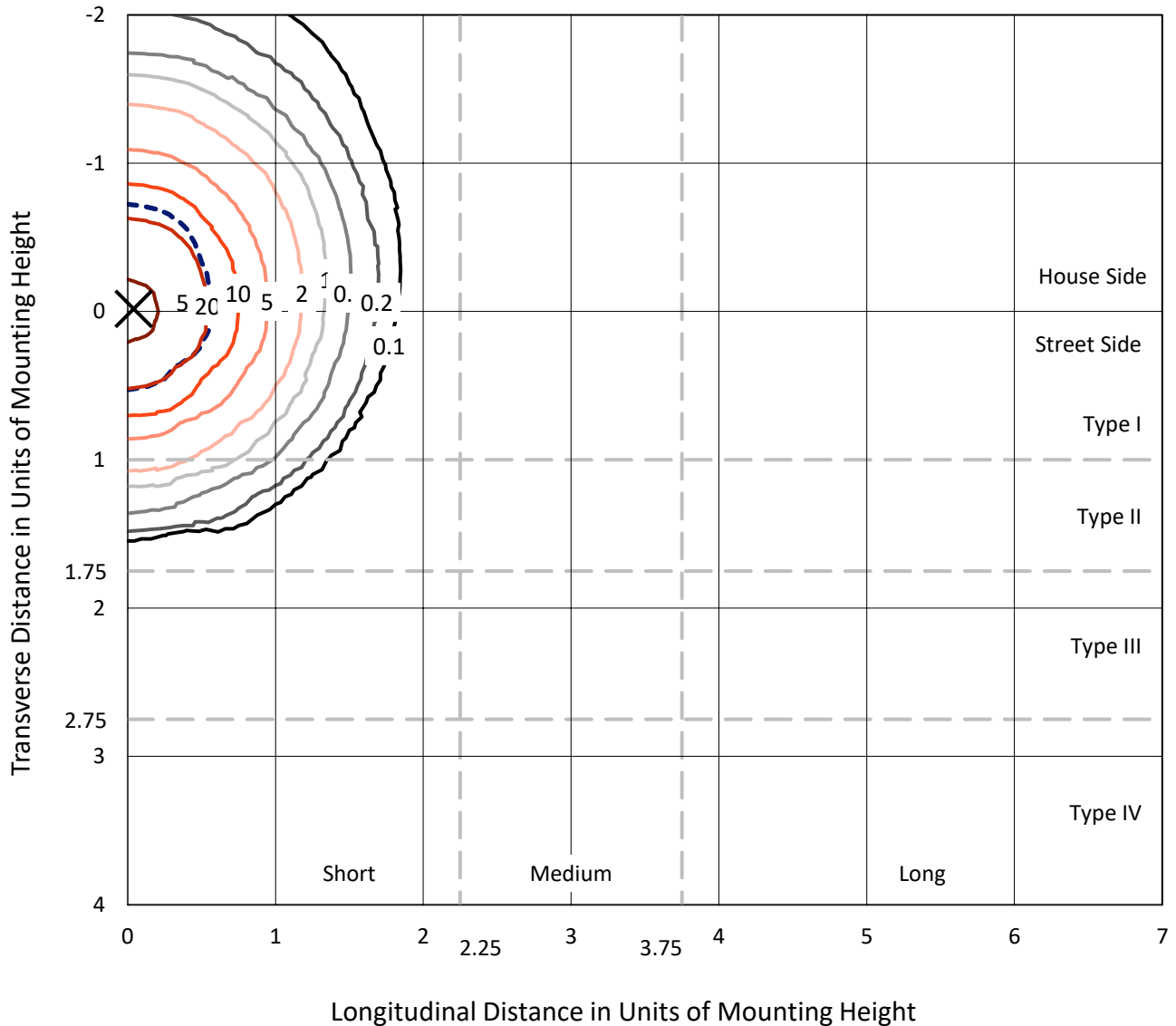
Input Watts (W): 369  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

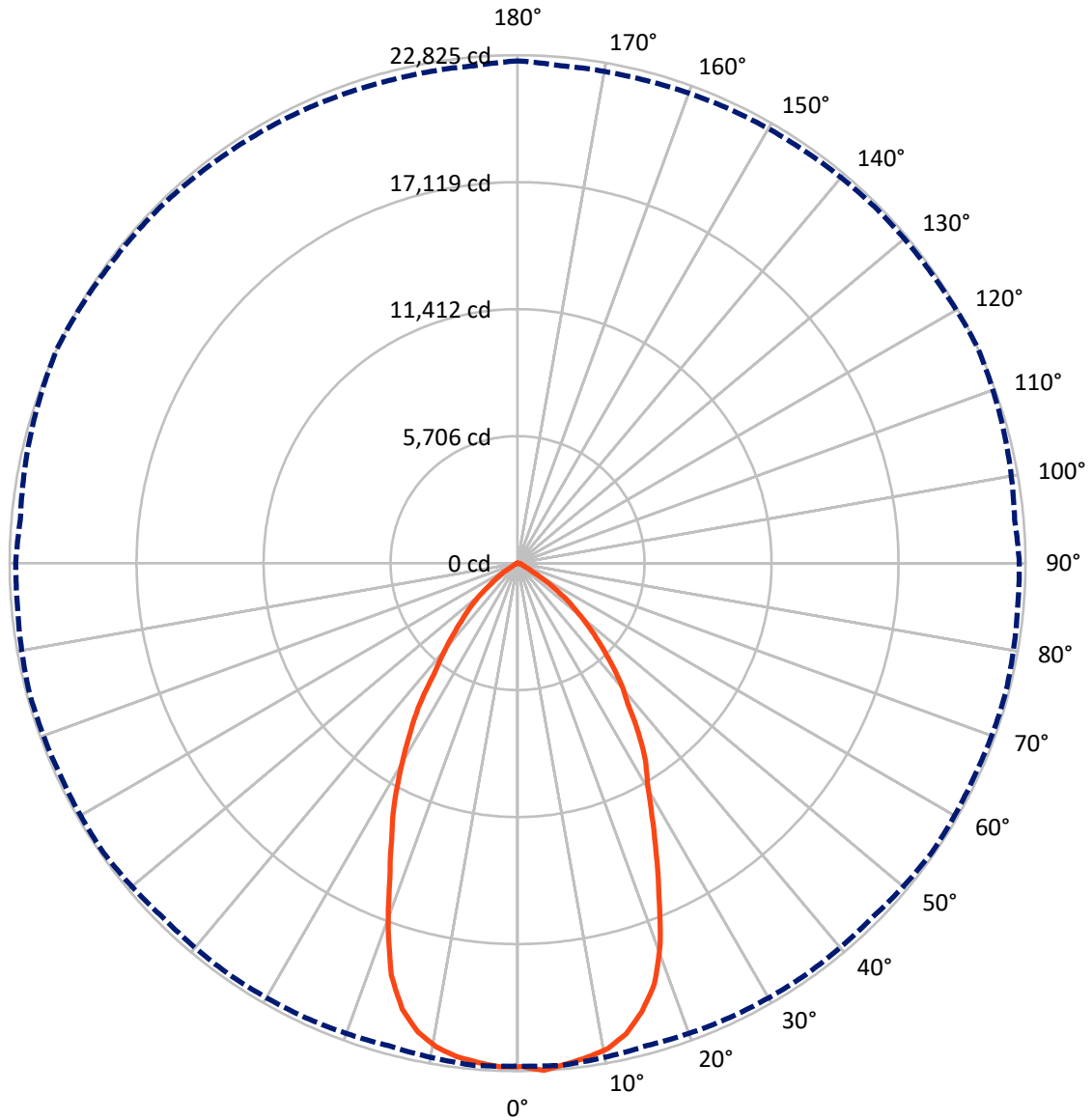
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 56.6 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	14596.4	0.0	14596.4
	% Fixture	57.2	0.0	57.2
<b>Street Side</b>	Lumens	10909.0	0.0	10909.0
	% Fixture	42.8	0.0	42.8
<b>Total</b>	Lumens	25505.4	0.0	25505.4
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2131.4	8.4
10°-20°	5651.5	22.2
20°-30°	6464.1	25.3
30°-40°	5539.6	21.7
40°-50°	3663.0	14.4
50°-60°	1598.4	6.3
60°-70°	314.0	1.2
70°-80°	113.3	0.4
80°-90°	30.1	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°	25505.4	100.0
0°-180°	25505.4	100.0



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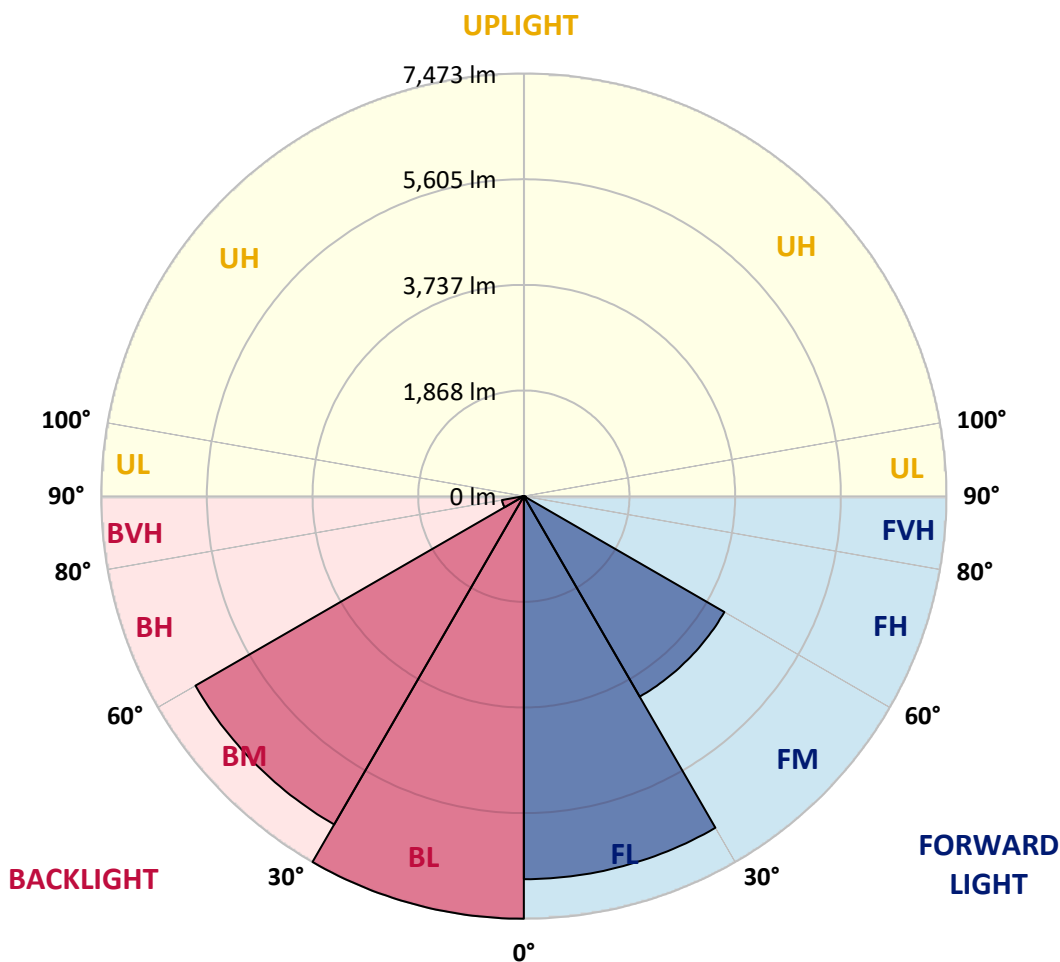
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	6773.7	26.6			
FM (30°-60°)	4095.6	16.1			
FH (60°-80°)	34.7	0.1			G0/660
FVH (80°-90°)	5.0	0.0			G0/10
BL (0°-30°)	7473.3	29.3	B5		
BM (30°-60°)	6705.3	26.3	B4/8500		
BH (60°-80°)	392.7	1.5	B1/500		G1/500
BVH (80°-90°)	25.1	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°	22629.7	22629.7	22629.7	22629.7	22629.7	22629.7	22629.7	22629.7	22629.7	22629.7
2.5°	22597.2	22651.4	22445.4	22537.5	22575.5	22526.7	22705.6	22651.4	22694.8	22559.2
5°	22597.2	22651.4	22412.8	22456.2	22467.1	22374.9	22570.1	22505.0	22510.4	22369.5
7.5°	22456.2	22521.3	22304.4	22336.9	22342.4	22266.5	22434.5	22342.4	22309.8	22163.4
10°	22076.7	22114.6	21919.5	22000.8	22076.7	22006.2	22152.6	22049.6	22049.6	21919.5
12.5°	21474.9	21545.4	21328.5	21426.1	21491.2	21409.8	21577.9	21540.0	21545.4	21415.3
15°	20379.7	20135.8	20396.0	20591.2	20596.6	20580.3	20737.6	20699.6	20726.7	20531.5
17.5°	15055.7	14996.1	15299.7	17603.9	19317.1	19550.2	19577.3	19371.3	19279.2	19089.4
20°	13949.7	13993.1	13928.1	13938.9	15288.9	18091.8	17923.8	17414.1	17181.0	16991.2
22.5°	13141.9	13071.4	13028.1	13001.0	13038.9	14866.0	16075.0	15305.1	15180.4	15088.3
25°	12263.6	12231.1	12176.9	12166.0	12144.4	11835.3	13575.7	13646.1	13445.5	13331.7
27.5°	11445.0	11423.3	11363.6	11358.2	11108.8	10360.6	10550.4	12225.7	12171.5	12128.1
30°	10572.1	10528.7	10496.2	10496.2	9742.6	8972.7	8663.7	10658.8	10658.8	10620.9
32.5°	9623.3	9585.4	9596.2	9466.1	8566.1	7861.3	7373.4	9200.4	9769.7	9737.2
35°	5882.4	5871.6	6972.2	8419.7	7362.5	6722.8	6690.2	7872.1	8701.6	8788.4
37.5°	5237.3	5204.7	5221.0	5313.2	6305.3	6050.5	6039.6	6240.2	7405.9	7449.3
40°	4700.5	4678.8	4662.6	4331.8	4017.4	5399.9	5361.9	5231.8	6327.0	6402.9
42.5°	4190.9	4169.2	4169.2	3702.9	3193.3	4440.3	4456.5	4304.7	5334.8	5361.9
45°	3665.0	3648.7	3556.6	2954.8	2808.4	2949.3	3692.1	3518.6	4234.3	4516.2
47.5°	1729.5	1718.6	2488.5	2456.0	2445.1	2358.4	2819.2	2916.8	3361.4	3643.3
50°	1387.9	1377.1	1312.0	1154.8	2011.4	1789.1	2033.1	2244.5	2385.5	2645.7
52.5°	1149.4	1138.5	1003.0	889.1	1116.8	1306.6	1214.4	1501.8	1496.4	1778.3
55°	753.6	699.4	769.9	726.5	585.5	948.8	927.1	1138.5	1111.4	1355.4
57.5°	16.3	16.3	38.0	412.0	368.7	401.2	531.3	650.6	731.9	802.4
60°	5.4	5.4	10.8	21.7	151.8	168.1	206.0	238.5	336.1	417.5
62.5°	0.0	0.0	5.4	10.8	21.7	86.7	97.6	113.9	157.2	216.9
65°	0.0	0.0	0.0	5.4	10.8	21.7	32.5	70.5	97.6	124.7
67.5°	0.0	0.0	0.0	5.4	5.4	10.8	21.7	32.5	43.4	86.7
70°	0.0	0.0	0.0	5.4	5.4	10.8	16.3	21.7	32.5	43.4
72.5°	0.0	0.0	0.0	5.4	5.4	16.3	10.8	16.3	21.7	27.1
75°	0.0	0.0	0.0	5.4	5.4	5.4	10.8	16.3	16.3	21.7
77.5°	0.0	0.0	0.0	5.4	10.8	10.8	10.8	10.8	10.8	16.3
80°	0.0	0.0	0.0	5.4	5.4	10.8	16.3	21.7	10.8	10.8
82.5°	0.0	0.0	0.0	10.8	5.4	21.7	32.5	27.1	10.8	5.4
85°	0.0	0.0	0.0	5.4	21.7	27.1	27.1	16.3	5.4	5.4
87.5°	0.0	0.0	0.0	5.4	5.4	10.8	16.3	16.3	5.4	5.4
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°
22629.7	0°	22629.7	22629.7	22629.7	22629.7	22629.7	22629.7	22629.7	22629.7	22629.7
22548.4	2.5°	22423.7	22635.1	22824.9	22705.6	22662.2	22575.5	22510.4	22439.9	22434.5
22353.2	5°	22228.5	22429.1	22613.4	22472.5	22483.3	22439.9	22396.6	22380.3	22391.1
22152.6	7.5°	22060.4	22228.5	22429.1	22309.8	22342.4	22315.2	22293.6	22261.0	22309.8
21892.4	10°	21805.6	21957.4	22190.5	22076.7	22060.4	22033.3	22011.6	21952.0	21979.1
21420.7	12.5°	21247.2	21436.9	21702.6	21572.5	21615.9	21540.0	21507.4	21469.5	21474.9
20602.0	15°	20488.2	20634.6	20905.6	20802.6	20835.2	20786.4	20786.4	20786.4	20824.3
19116.5	17.5°	19165.3	19463.5	19891.8	19761.7	19810.5	19821.3	19810.5	19848.4	19897.2
17002.1	20°	17012.9	17522.6	18303.3	18558.1	18661.1	18666.5	18590.6	18682.8	18780.4
15023.2	22.5°	15034.1	15570.8	16259.3	16958.7	17392.4	17370.8	17381.6	17441.2	17544.3
13261.2	25°	13320.8	13835.9	14459.4	15082.9	16031.6	16226.8	16232.2	16286.4	16367.8
12057.6	27.5°	12084.7	12285.3	12854.6	13483.5	14502.7	15126.2	15093.7	15142.5	15229.2
10550.4	30°	10593.8	11363.6	11493.8	11878.7	12757.0	13900.9	13906.4	13960.6	14047.3
9661.3	32.5°	9634.2	10143.8	10545.0	10555.8	11304.0	12480.5	12713.6	12767.8	12827.5
8739.6	35°	8734.2	8793.8	9336.0	9487.8	9921.5	11087.1	11499.2	11531.7	11629.3
7433.0	37.5°	7557.7	7910.1	8061.9	8604.1	8625.7	9569.1	10387.8	10355.2	10431.1
6397.5	40°	6478.8	6814.9	7199.9	7595.6	7649.9	8354.7	9260.1	9292.6	9325.1
5307.7	42.5°	5351.1	5779.4	6175.2	6440.8	6809.5	7216.1	8078.2	8230.0	8305.9
4548.7	45°	4630.0	4749.3	5221.0	5611.3	5985.4	6175.2	6983.0	7259.5	7308.3
3599.9	47.5°	3648.7	4049.9	4369.8	4700.5	5166.8	5334.8	5920.4	6305.3	6343.3
2672.8	50°	2819.2	3106.6	3545.7	3843.9	4386.1	4478.2	4879.4	5378.2	5427.0
1789.1	52.5°	2016.8	2407.2	2835.5	3122.8	3643.3	3762.6	4060.8	4537.9	4570.4
1371.7	55°	1447.6	1702.4	2054.8	2466.8	2846.3	3112.0	3318.0	3773.4	3816.8
900.0	57.5°	986.7	1225.3	1371.7	1783.7	2011.4	2298.8	2466.8	2813.8	2846.3
428.3	60°	471.7	585.5	699.4	905.4	1051.8	1295.8	1404.2	1545.2	1583.1
260.2	62.5°	303.6	357.8	455.4	542.2	683.1	834.9	878.3	997.6	1040.9
162.6	65°	200.6	254.8	357.8	379.5	520.5	639.7	694.0	780.7	829.5
97.6	67.5°	113.9	178.9	265.7	314.5	412.0	525.9	585.5	661.4	704.8
65.1	70°	75.9	146.4	211.4	260.2	325.3	422.9	498.8	563.8	591.0
32.5	72.5°	43.4	92.2	146.4	206.0	260.2	352.4	422.9	477.1	314.5
21.7	75°	27.1	70.5	124.7	173.5	216.9	281.9	341.6	336.1	141.0
16.3	77.5°	21.7	54.2	108.4	146.4	178.9	195.2	244.0	276.5	108.4
10.8	80°	16.3	43.4	97.6	124.7	70.5	141.0	189.8	206.0	75.9
10.8	82.5°	10.8	27.1	81.3	86.7	48.8	103.0	151.8	135.5	54.2
5.4	85°	5.4	16.3	27.1	48.8	43.4	48.8	38.0	54.2	38.0
5.4	87.5°	5.4	10.8	21.7	21.7	21.7	16.3	21.7	21.7	21.7
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





180°  
22629.7  
**22564.6**  
22526.7  
22445.4  
22109.2  
21632.1  
20840.6  
20059.9  
18845.4  
17560.5  
16508.7  
15310.6  
14199.1  
12963.0  
11732.3  
10523.3  
9428.1  
8414.3  
7427.6  
6435.4  
5497.5  
4630.0  
3854.7  
2911.4  
1626.5  
1051.8  
829.5  
699.4  
585.5  
254.8  
141.0  
108.4  
81.3  
54.2  
38.0  
21.7  
0.0

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