

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: P636895

Luminaire Tested: **IFLD-S-SA6D-930-U-LAM-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P636895  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA6D-930-U-LAM-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/  
Lambertian distribution lens and Visor  
Light Source: (96) 3000K CCT, 90 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 21567.1 lumens  
Efficiency: N/A  
Efficacy: 58.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B4 - U0 - G2

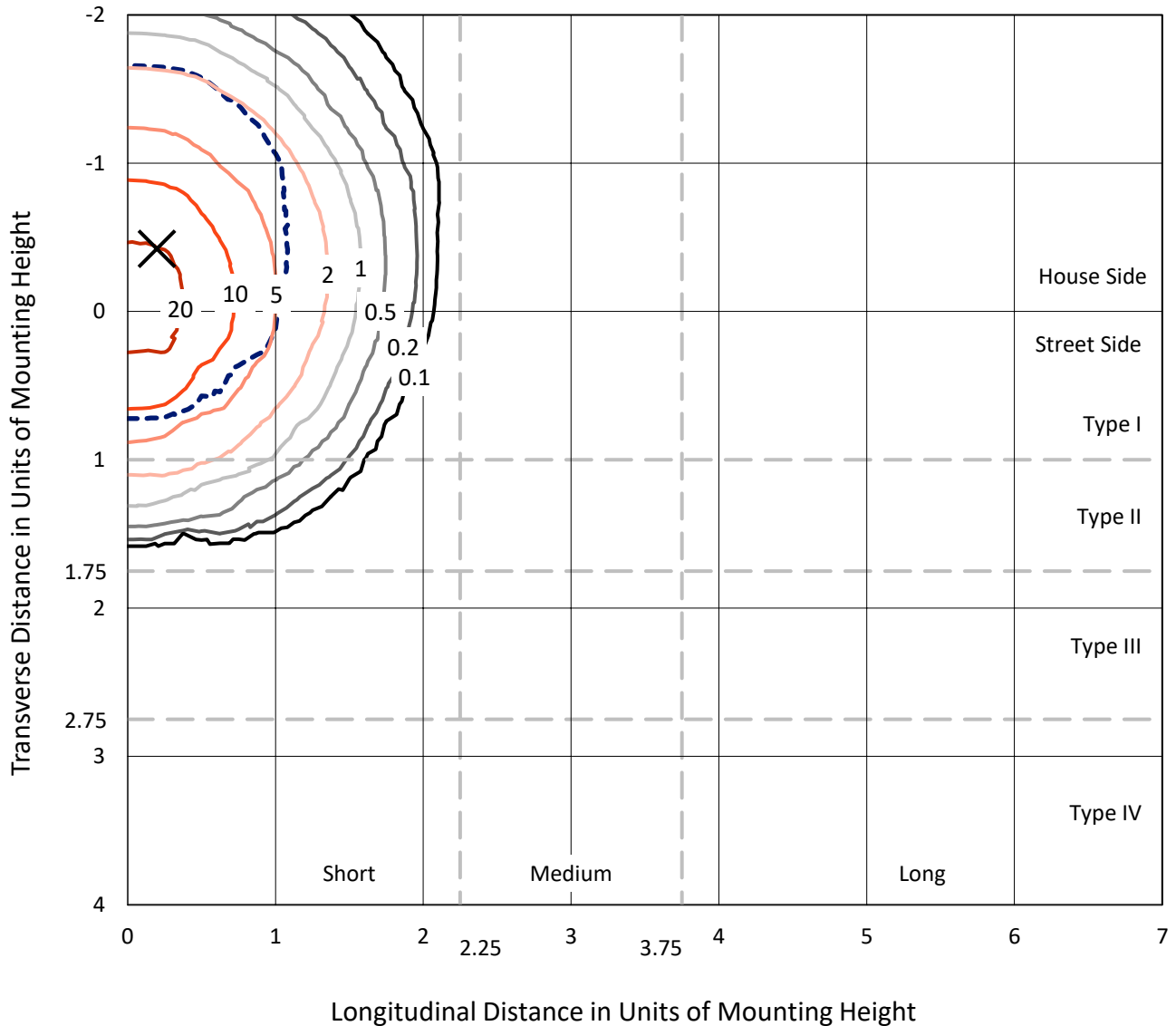
Input Watts (W): 368.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

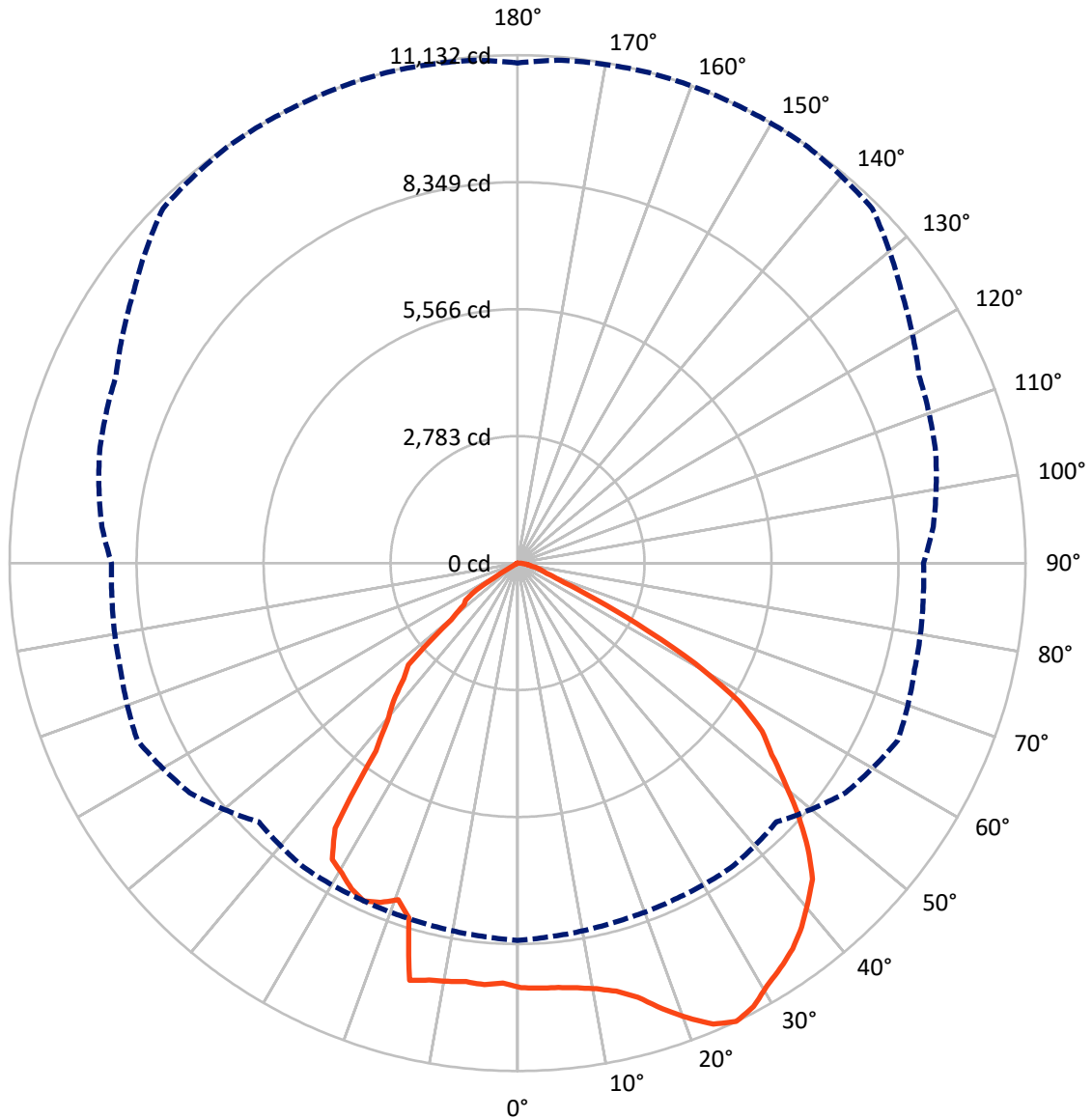
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 23.3 fc  
 Type I - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 155-Deg Lateral      - - - Horizontal Cone Through 25-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	13352.3	0.0	13352.3
	% Fixture	61.9	0.0	61.9
<b>Street Side</b>	Lumens	8214.9	0.0	8214.9
	% Fixture	38.1	0.0	38.1
<b>Total</b>	Lumens	21567.1	0.0	21567.1
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	892.8	4.1
10°-20°	2726.0	12.6
20°-30°	4309.7	20.0
30°-40°	4868.2	22.6
40°-50°	4559.2	21.1
50°-60°	3143.2	14.6
60°-70°	844.5	3.9
70°-80°	176.0	0.8
80°-90°	47.6	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°	21567.1	100.0
0°-180°	21567.1	100.0

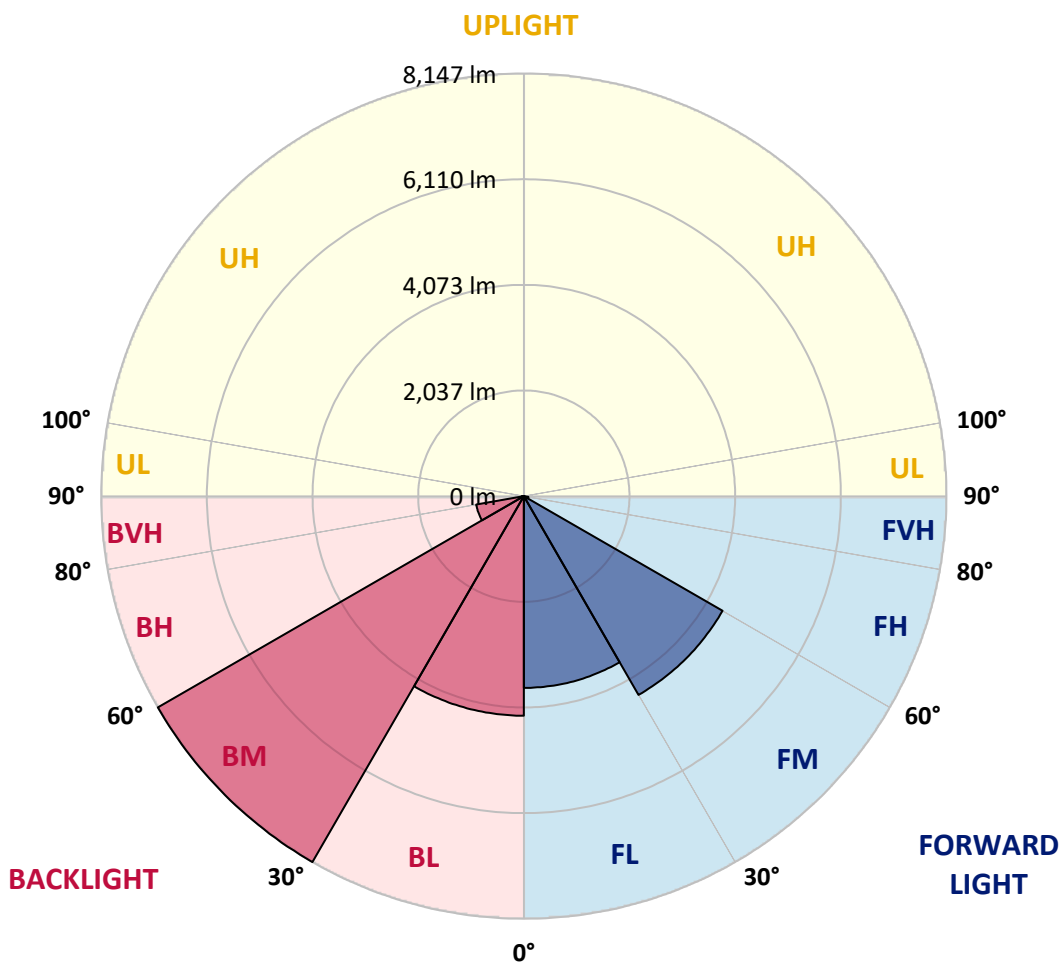


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3695.9	17.1			
FM (30°-60°)	4423.9	20.5			
FH (60°-80°)	88.7	0.4			G0/660
FVH (80°-90°)	6.4	0.0			G0/10
BL (0°-30°)	4232.6	19.6	B4/5000		
BM (30°-60°)	8146.7	37.8	B4/8500		
BH (60°-80°)	931.8	4.3	B2/1000		G2/1000
BVH (80°-90°)	41.2	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-G2**  
 Type I Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	9305.8	9305.8	9305.8	9305.8	9305.8	9305.8	9305.8	9305.8	9305.8	9305.8
2.5°	9347.0	9286.8	9229.8	9210.8	9290.0	9375.6	9321.7	9324.9	9305.8	9340.7
5°	9416.8	9334.4	9296.3	9267.8	9280.5	9369.2	9293.2	9321.7	9290.0	9331.2
7.5°	9391.4	9334.4	9296.3	9242.4	9283.7	9388.2	9315.3	9318.5	9302.7	9340.7
10°	9375.6	9334.4	9286.8	9293.2	9340.7	9429.5	9372.4	9404.1	9381.9	9404.1
12.5°	9413.6	9369.2	9343.9	9343.9	9385.1	9486.5	9458.0	9486.5	9477.0	9496.0
15°	9055.4	9096.6	9337.5	9445.3	9527.7	9629.1	9616.5	9645.0	9651.3	9679.8
17.5°	7638.6	7597.4	7578.4	8133.1	9606.9	9920.7	9911.2	9908.1	9876.4	9854.2
20°	7825.7	7809.8	7787.6	7828.8	7993.6	10072.9	10136.3	9746.4	9632.3	9622.8
22.5°	8123.6	8098.2	8015.8	8019.0	8069.7	8757.5	9822.5	9467.5	9429.5	9407.3
25°	8269.4	8218.7	8152.1	8133.1	8148.9	8022.2	8773.4	9194.9	9007.9	8922.3
27.5°	8012.7	8015.8	7961.9	8012.7	7952.4	7381.9	7061.8	8662.4	8656.1	8618.0
30°	7819.3	7809.8	7746.4	7809.8	7394.6	6757.5	6621.2	8079.2	8012.7	7961.9
32.5°	7226.6	7232.9	7416.8	7664.0	6982.5	6478.6	6066.5	7217.1	7847.8	7819.3
35°	5169.6	5182.2	5835.2	7055.4	6358.1	5923.9	5892.2	6237.7	7587.9	7600.6
37.5°	4976.2	4976.2	4960.4	5160.1	5866.9	5698.9	5762.3	5727.4	6950.9	6982.5
40°	4836.8	4808.2	4786.0	4472.3	4079.2	5540.4	5584.8	5426.3	6570.5	6576.8
42.5°	4668.8	4637.1	4643.4	4063.4	3651.3	5147.4	5023.8	4811.4	5936.6	5942.9
45°	4361.3	4415.2	4453.2	3556.3	3524.6	3676.7	4633.9	4500.8	5508.7	5626.0
47.5°	2218.7	2266.2	3477.0	3271.0	3343.9	3267.8	3914.4	3917.6	4583.2	4973.0
50°	2012.7	2000.0	2003.2	1908.1	3087.2	2643.4	2830.4	3591.1	3670.4	4228.2
52.5°	1876.4	1873.2	1679.9	1492.9	1939.8	2326.5	2053.9	2599.0	2729.0	3581.6
55°	1388.3	1489.7	1324.9	1404.1	1213.9	1863.7	1854.2	2345.5	2389.9	2871.6
57.5°	12.7	15.8	38.0	1068.1	839.9	931.9	1280.5	1600.6	1679.9	2237.7
60°	3.2	6.3	15.8	31.7	545.2	573.7	855.8	925.5	1042.8	1334.4
62.5°	0.0	0.0	6.3	15.8	28.5	234.5	272.6	297.9	459.6	681.5
65°	0.0	0.0	3.2	9.5	15.8	38.0	66.6	139.5	199.7	247.2
67.5°	0.0	0.0	3.2	6.3	12.7	19.0	38.0	53.9	85.6	145.8
70°	0.0	0.0	3.2	6.3	9.5	15.8	25.4	38.0	50.7	72.9
72.5°	0.0	0.0	3.2	6.3	6.3	19.0	19.0	28.5	38.0	47.5
75°	0.0	0.0	3.2	3.2	6.3	12.7	19.0	22.2	25.4	38.0
77.5°	0.0	0.0	3.2	6.3	9.5	12.7	15.8	25.4	22.2	22.2
80°	0.0	0.0	3.2	9.5	9.5	15.8	19.0	25.4	15.8	15.8
82.5°	0.0	0.0	3.2	12.7	9.5	31.7	31.7	34.9	12.7	12.7
85°	0.0	0.0	9.5	6.3	19.0	31.7	28.5	19.0	15.8	9.5
87.5°	0.0	0.0	3.2	3.2	6.3	9.5	22.2	19.0	6.3	6.3
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°
9305.8	0°	9305.8	9305.8	9305.8	9305.8	9305.8	9305.8	9305.8	9305.8	9305.8
9248.8	2.5°	9375.6	9334.4	9419.9	9410.4	9369.2	9350.2	9328.0	9309.0	9169.5
9255.1	5°	9378.7	9315.3	9419.9	9400.9	9394.6	9362.9	9343.9	9372.4	9245.6
9280.5	7.5°	9378.7	9315.3	9429.5	9435.8	9426.3	9400.9	9397.8	9416.8	9312.2
9324.9	10°	9442.1	9416.8	9511.9	9521.4	9508.7	9502.4	9486.5	9473.8	9362.9
9477.0	12.5°	9575.3	9524.5	9632.3	9660.8	9651.3	9667.2	9629.1	9648.2	9534.0
9632.3	15°	9736.9	9740.1	9822.5	9885.9	9879.5	9930.2	9873.2	9923.9	9841.5
9809.8	17.5°	9984.1	10019.0	10136.3	10231.4	10266.2	10304.3	10266.2	10282.1	10164.8
9613.3	20°	9724.2	9854.2	10418.4	10592.7	10665.6	10700.4	10637.1	10656.1	10538.8
9372.4	22.5°	9489.7	9657.7	10158.5	10703.6	10928.7	10998.4	10976.2	10973.0	10928.7
8897.0	25°	9144.2	9483.3	9708.4	10285.2	10992.0	11118.8	11131.5	11128.3	11061.8
8605.4	27.5°	8719.5	8795.5	9378.7	9730.6	10548.3	11030.1	11011.1	10919.1	10830.4
8000.0	30°	8177.5	8523.0	8786.0	9347.0	9974.6	10757.5	10757.5	10687.8	10595.9
7784.4	32.5°	7901.7	8348.6	8592.7	8795.5	9331.2	10453.2	10580.0	10507.1	10434.2
7616.5	35°	7755.9	7822.5	8393.0	8576.8	9030.1	9866.9	10380.3	10307.4	10253.5
7169.6	37.5°	7435.8	7591.1	7857.3	8348.6	8488.1	9388.2	10114.1	10076.0	10012.7
6589.5	40°	6722.6	7137.9	7546.7	8012.7	8158.5	8773.4	9790.8	9806.6	9721.1
5971.5	42.5°	6301.1	6583.2	7223.4	7537.2	7930.2	8377.2	9477.0	9502.4	9442.1
5657.7	45°	5806.6	6120.4	6570.5	7141.0	7676.7	7832.0	8922.3	9188.6	9137.9
5033.3	47.5°	5353.4	5607.0	6158.5	6735.3	7328.0	7305.8	8285.2	8786.0	8716.3
4554.7	50°	4710.0	5153.7	5413.6	5942.9	6827.2	6887.5	7607.0	8313.8	8256.7
3870.0	52.5°	3971.5	4529.3	5026.9	5511.9	6320.1	6462.7	6976.2	7832.0	7794.0
2957.2	55°	3470.7	3876.4	4437.4	4827.2	5705.2	6085.6	6503.9	7372.4	7353.4
2431.1	57.5°	2469.1	3252.0	3714.7	4259.9	4722.7	5410.4	5721.1	6437.4	6259.9
1347.1	60°	1673.5	2041.2	2605.4	3191.8	3502.4	4190.2	4478.6	5052.3	5004.7
805.1	62.5°	884.3	1223.5	1626.0	1920.8	2145.8	2814.6	2935.0	3553.1	3537.2
323.3	65°	389.9	516.6	881.1	1033.3	1264.7	1575.3	1679.9	1901.7	1847.9
158.5	67.5°	202.9	307.4	497.6	611.7	770.2	887.5	973.1	1042.8	1087.2
104.6	70°	123.6	225.0	307.4	424.7	529.3	624.4	691.0	786.1	843.1
53.9	72.5°	91.9	142.6	212.4	326.5	383.5	494.5	561.0	630.7	681.5
44.4	75°	50.7	95.1	171.2	256.7	307.4	402.5	462.8	510.3	526.1
25.4	77.5°	31.7	72.9	142.6	199.7	240.9	326.5	310.6	355.0	393.0
19.0	80°	22.2	53.9	110.9	164.8	168.0	209.2	247.2	285.3	310.6
12.7	82.5°	15.8	44.4	82.4	126.8	110.9	161.6	193.3	221.9	161.6
9.5	85°	12.7	31.7	41.2	76.1	63.4	114.1	98.3	95.1	63.4
6.3	87.5°	9.5	15.8	28.5	34.9	25.4	25.4	31.7	38.0	31.7
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





180°
9305.8
9074.5
9137.9
9191.7
9271.0
9432.6
9705.2
10063.4
10456.4
10786.0
10960.4
10760.7
10561.0
10374.0
10177.5
9949.3
9702.0
9435.8
9144.2
8767.0
8266.2
7819.3
7375.6
6240.9
5007.9
3540.4
1825.7
1087.2
846.3
691.0
516.6
399.4
313.8
117.3
63.4
31.7
0.0

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