

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: P636656

Luminaire Tested: **IFLD-S-SA3B-940-U-66-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P636656  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA3B-940-U-66-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 6 distribution lens and Visor  
Light Source: (48) 4000K CCT, 90 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9789.9 lumens  
Efficiency: N/A  
Efficacy: 80.0 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

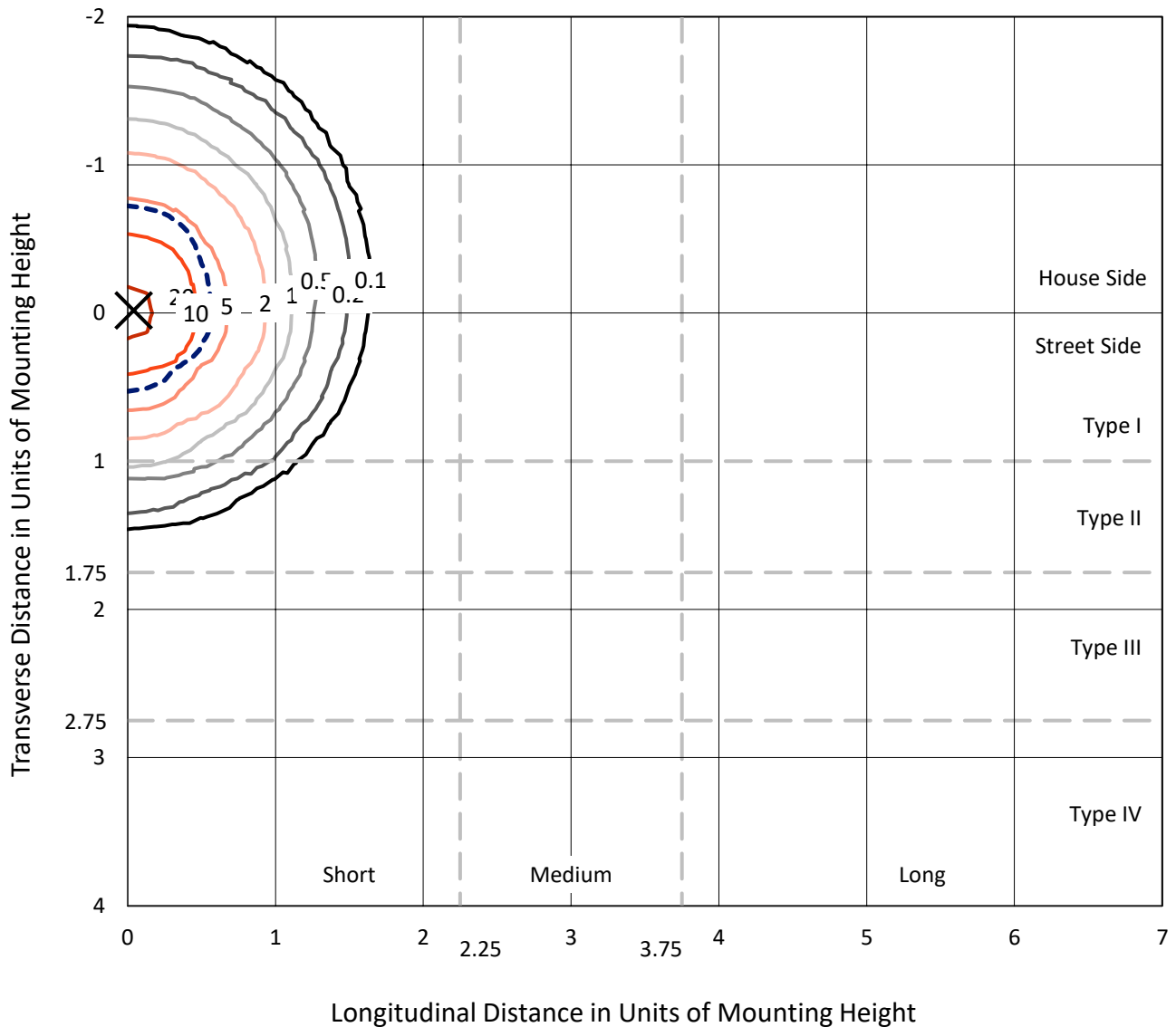
Input Watts (W): 122.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

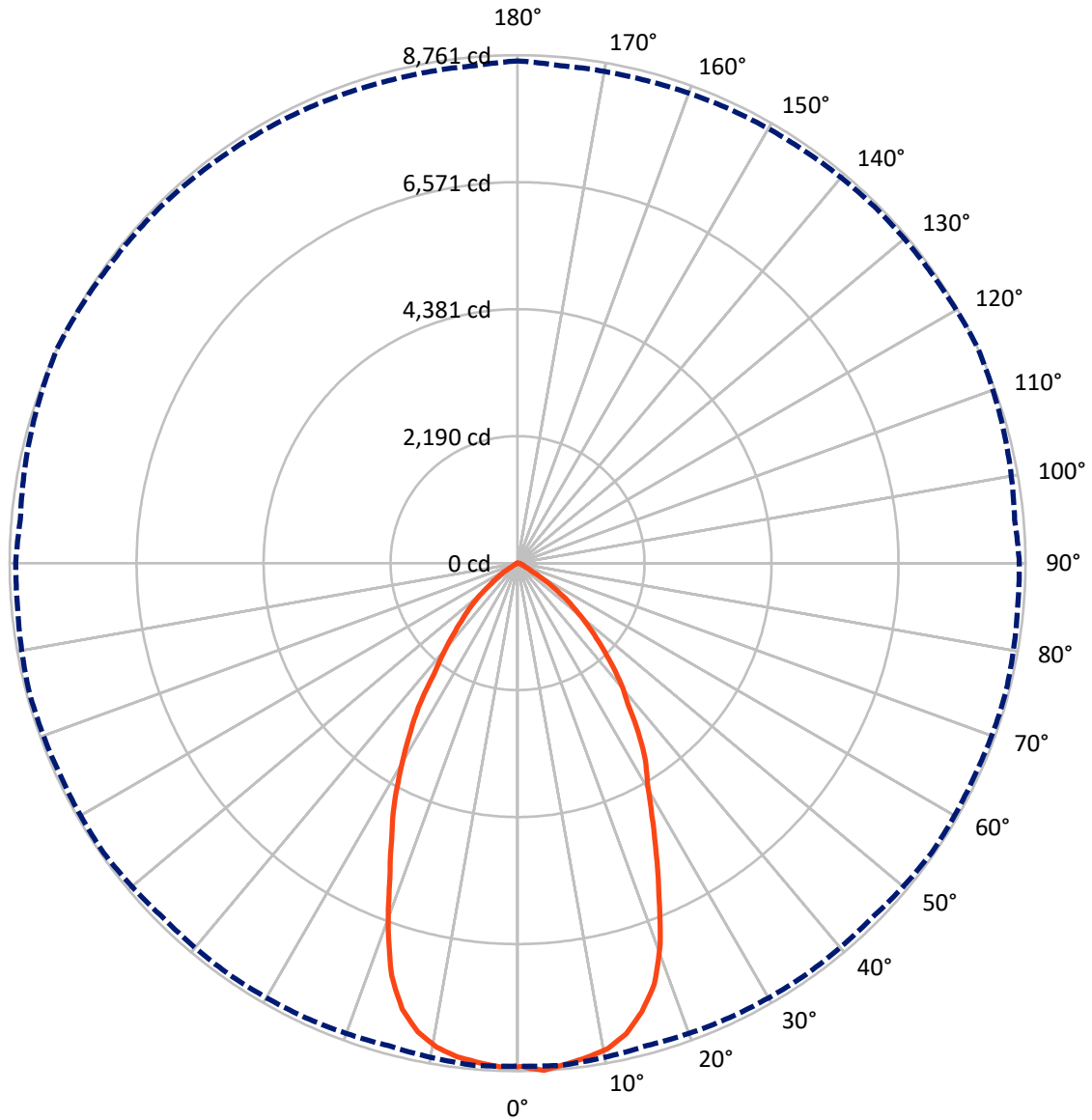
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 21.7 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	5602.7	0.0	5602.7
	% Fixture	57.2	0.0	57.2
<b>Street Side</b>	Lumens	4187.3	0.0	4187.3
	% Fixture	42.8	0.0	42.8
<b>Total</b>	Lumens	9789.9	0.0	9789.9
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	818.1	8.4
10°-20°	2169.2	22.2
20°-30°	2481.2	25.3
30°-40°	2126.3	21.7
40°-50°	1406.0	14.4
50°-60°	613.5	6.3
60°-70°	120.5	1.2
70°-80°	43.5	0.4
80°-90°	11.6	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°	9789.9	100.0
0°-180°	9789.9	100.0



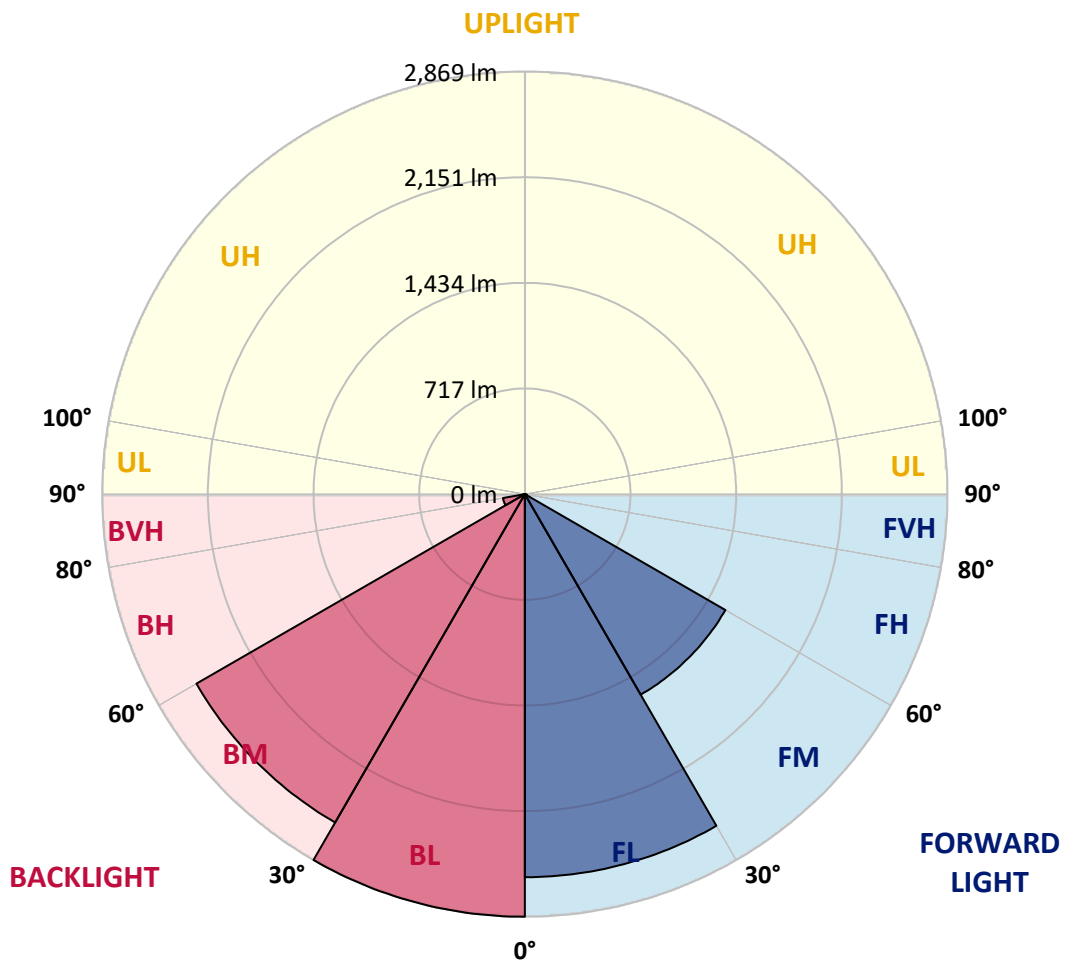
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2600.0	26.6			
FM	(30°-60°)	1572.1	16.1			
FH	(60°-80°)	13.3	0.1			G0/660
FVH	(80°-90°)	1.9	0.0			G0/10
BL	(0°-30°)	2868.5	29.3	B4/5000		
BM	(30°-60°)	2573.7	26.3	B3/5000		
BH	(60°-80°)	150.7	1.5	B1/500		G1/500
BVH	(80°-90°)	9.6	0.1			G0/10
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°	8686.1	8686.1	8686.1	8686.1	8686.1	8686.1	8686.1	8686.1	8686.1	8686.1
2.5°	8673.7	8694.5	8615.4	8650.8	8665.3	8646.6	8715.3	8694.5	8711.1	8659.1
5°	8673.7	8694.5	8602.9	8619.5	8623.7	8588.3	8663.2	8638.3	8640.4	8586.2
7.5°	8619.5	8644.5	8561.3	8573.8	8575.8	8546.7	8611.2	8575.8	8563.4	8507.2
10°	8473.9	8488.4	8413.5	8444.7	8473.9	8446.8	8503.0	8463.5	8463.5	8413.5
12.5°	8242.9	8269.9	8186.7	8224.2	8249.1	8217.9	8282.4	8267.9	8269.9	8220.0
15°	7822.5	7728.9	7828.8	7903.7	7905.8	7899.5	7959.9	7945.3	7955.7	7880.8
17.5°	5779.0	5756.1	5872.6	6757.0	7414.6	7504.1	7514.5	7435.4	7400.1	7327.2
20°	5354.4	5371.1	5346.1	5350.3	5868.4	6944.3	6879.8	6684.2	6594.7	6521.9
22.5°	5044.4	5017.3	5000.7	4990.3	5004.8	5706.1	6170.2	5874.7	5826.8	5791.5
25°	4707.2	4694.8	4673.9	4669.8	4661.5	4542.8	5210.8	5237.9	5160.9	5117.2
27.5°	4393.0	4384.7	4361.8	4359.7	4264.0	3976.8	4049.6	4692.7	4671.9	4655.2
30°	4058.0	4041.3	4028.8	4028.8	3739.6	3444.1	3325.5	4091.3	4091.3	4076.7
32.5°	3693.8	3679.2	3683.4	3633.4	3288.0	3017.5	2830.2	3531.5	3750.0	3737.5
35°	2257.9	2253.7	2676.2	3231.8	2826.0	2580.5	2568.0	3021.6	3340.0	3373.3
37.5°	2010.3	1997.8	2004.0	2039.4	2420.2	2322.4	2318.2	2395.2	2842.7	2859.3
40°	1804.2	1795.9	1789.7	1662.7	1542.0	2072.7	2058.1	2008.2	2428.5	2457.7
42.5°	1608.6	1600.3	1600.3	1421.3	1225.7	1704.3	1710.6	1652.3	2047.7	2058.1
45°	1406.8	1400.5	1365.1	1134.2	1078.0	1132.1	1417.2	1350.6	1625.3	1733.5
47.5°	663.8	659.7	955.2	942.7	938.5	905.2	1082.1	1119.6	1290.2	1398.4
50°	532.7	528.6	503.6	443.3	772.1	686.7	780.4	861.5	915.6	1015.5
52.5°	441.2	437.0	385.0	341.3	428.7	501.5	466.1	576.4	574.4	682.6
55°	289.3	268.5	295.5	278.9	224.7	364.2	355.9	437.0	426.6	520.3
57.5°	6.2	6.2	14.6	158.2	141.5	154.0	203.9	249.7	280.9	308.0
60°	2.1	2.1	4.2	8.3	58.3	64.5	79.1	91.6	129.0	160.2
62.5°	0.0	0.0	2.1	4.2	8.3	33.3	37.5	43.7	60.3	83.2
65°	0.0	0.0	0.0	2.1	4.2	8.3	12.5	27.1	37.5	47.9
67.5°	0.0	0.0	0.0	2.1	2.1	4.2	8.3	12.5	16.6	33.3
70°	0.0	0.0	0.0	2.1	2.1	4.2	6.2	8.3	12.5	16.6
72.5°	0.0	0.0	0.0	2.1	2.1	6.2	4.2	6.2	8.3	10.4
75°	0.0	0.0	0.0	2.1	2.1	2.1	4.2	6.2	6.2	8.3
77.5°	0.0	0.0	0.0	2.1	4.2	4.2	4.2	4.2	4.2	6.2
80°	0.0	0.0	0.0	2.1	2.1	4.2	6.2	8.3	4.2	4.2
82.5°	0.0	0.0	0.0	4.2	2.1	8.3	12.5	10.4	4.2	2.1
85°	0.0	0.0	0.0	2.1	8.3	10.4	10.4	6.2	2.1	2.1
87.5°	0.0	0.0	0.0	2.1	2.1	4.2	6.2	6.2	2.1	2.1
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°
8686.1	0°	8686.1	8686.1	8686.1	8686.1	8686.1	8686.1	8686.1	8686.1	8686.1
8654.9	2.5°	8607.1	8688.2	8761.1	8715.3	8698.6	8665.3	8640.4	8613.3	8611.2
8580.0	5°	8532.1	8609.1	8679.9	8625.8	8629.9	8613.3	8596.7	8590.4	8594.6
8503.0	7.5°	8467.6	8532.1	8609.1	8563.4	8575.8	8565.4	8557.1	8544.6	8563.4
8403.1	10°	8369.8	8428.1	8517.6	8473.9	8467.6	8457.2	8448.9	8426.0	8436.4
8222.1	12.5°	8155.5	8228.3	8330.3	8280.3	8297.0	8267.9	8255.4	8240.8	8242.9
7907.8	15°	7864.1	7920.3	8024.4	7984.8	7997.3	7978.6	7978.6	7978.6	7993.2
7337.6	17.5°	7356.4	7470.8	7635.2	7585.3	7604.0	7608.2	7604.0	7618.6	7637.3
6526.0	20°	6530.2	6725.8	7025.5	7123.3	7162.8	7164.9	7135.8	7171.2	7208.6
5766.5	22.5°	5770.6	5976.7	6240.9	6509.4	6675.9	6667.6	6671.7	6694.6	6734.1
5090.2	25°	5113.0	5310.7	5550.1	5789.4	6153.5	6228.5	6230.5	6251.4	6282.6
4628.2	27.5°	4638.6	4715.6	4934.1	5175.5	5566.7	5806.0	5793.5	5812.3	5845.6
4049.6	30°	4066.3	4361.8	4411.7	4559.5	4896.6	5335.7	5337.8	5358.6	5391.9
3708.4	32.5°	3698.0	3893.6	4047.6	4051.7	4338.9	4790.5	4880.0	4900.8	4923.7
3354.6	35°	3352.5	3375.4	3583.5	3641.8	3808.2	4255.7	4413.8	4426.3	4463.8
2853.1	37.5°	2900.9	3036.2	3094.5	3302.6	3310.9	3673.0	3987.2	3974.7	4003.9
2455.6	40°	2486.8	2615.8	2763.6	2915.5	2936.3	3206.8	3554.4	3566.9	3579.3
2037.3	42.5°	2054.0	2218.4	2370.3	2472.2	2613.7	2769.8	3100.7	3159.0	3188.1
1746.0	45°	1777.2	1823.0	2004.0	2153.8	2297.4	2370.3	2680.3	2786.5	2805.2
1381.8	47.5°	1400.5	1554.5	1677.3	1804.2	1983.2	2047.7	2272.5	2420.2	2434.8
1025.9	50°	1082.1	1192.4	1361.0	1475.4	1683.5	1718.9	1872.9	2064.4	2083.1
686.7	52.5°	774.1	924.0	1088.4	1198.7	1398.4	1444.2	1558.7	1741.8	1754.3
526.5	55°	555.6	653.4	788.7	946.9	1092.5	1194.5	1273.6	1448.4	1465.0
345.4	57.5°	378.7	470.3	526.5	684.7	772.1	882.3	946.9	1080.0	1092.5
164.4	60°	181.0	224.7	268.5	347.5	403.7	497.4	539.0	593.1	607.7
99.9	62.5°	116.5	137.3	174.8	208.1	262.2	320.5	337.1	382.9	399.6
62.4	65°	77.0	97.8	137.3	145.7	199.8	245.6	266.4	299.7	318.4
37.5	67.5°	43.7	68.7	102.0	120.7	158.2	201.9	224.7	253.9	270.5
25.0	70°	29.1	56.2	81.2	99.9	124.9	162.3	191.5	216.4	226.8
12.5	72.5°	16.6	35.4	56.2	79.1	99.9	135.3	162.3	183.1	120.7
8.3	75°	10.4	27.1	47.9	66.6	83.2	108.2	131.1	129.0	54.1
6.2	77.5°	8.3	20.8	41.6	56.2	68.7	74.9	93.6	106.1	41.6
4.2	80°	6.2	16.6	37.5	47.9	27.1	54.1	72.8	79.1	29.1
4.2	82.5°	4.2	10.4	31.2	33.3	18.7	39.5	58.3	52.0	20.8
2.1	85°	2.1	6.2	10.4	18.7	16.6	18.7	14.6	20.8	14.6
2.1	87.5°	2.1	4.2	8.3	8.3	8.3	6.2	8.3	8.3	8.3
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





180°
8686.1
8661.2
8646.6
8615.4
8486.4
8303.2
7999.4
7699.7
7233.6
6740.4
6336.7
5876.8
5450.2
4975.7
4503.3
4039.2
3618.9
3229.7
2851.0
2470.2
2110.1
1777.2
1479.6
1117.5
624.3
403.7
318.4
268.5
224.7
97.8
54.1
41.6
31.2
20.8
14.6
8.3
0.0

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