

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: P636622

Luminaire Tested: **IFLD-S-SA2B-935-U-66-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636622
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2B-935-U-66-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 6 distribution lens and Visor
Light Source: (32) 3500K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6036.4 lumens
Efficiency: N/A
Efficacy: 73.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type I - Short
BUG Rating: B3 - U0 - G0

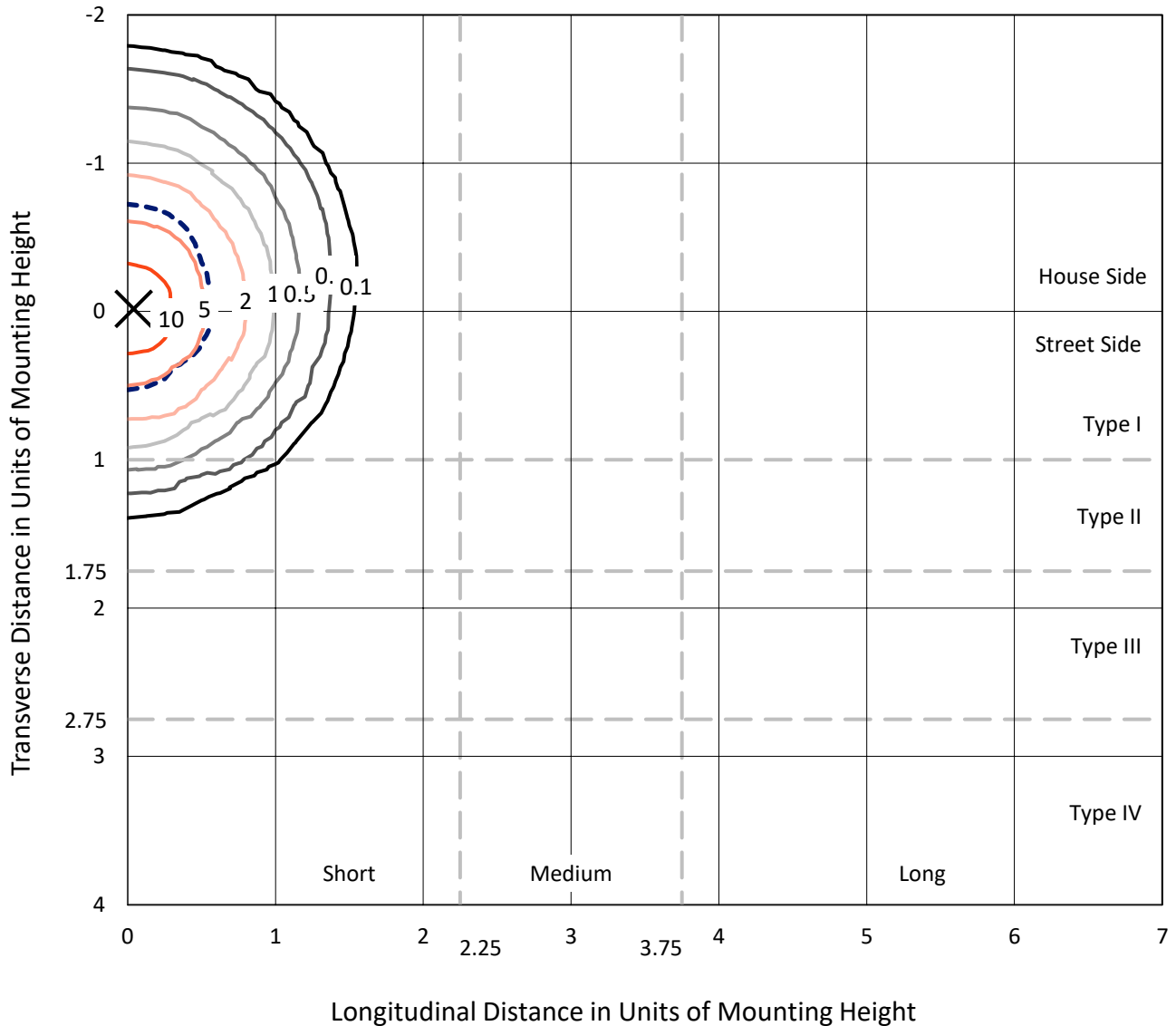
Input Watts (W): 82.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

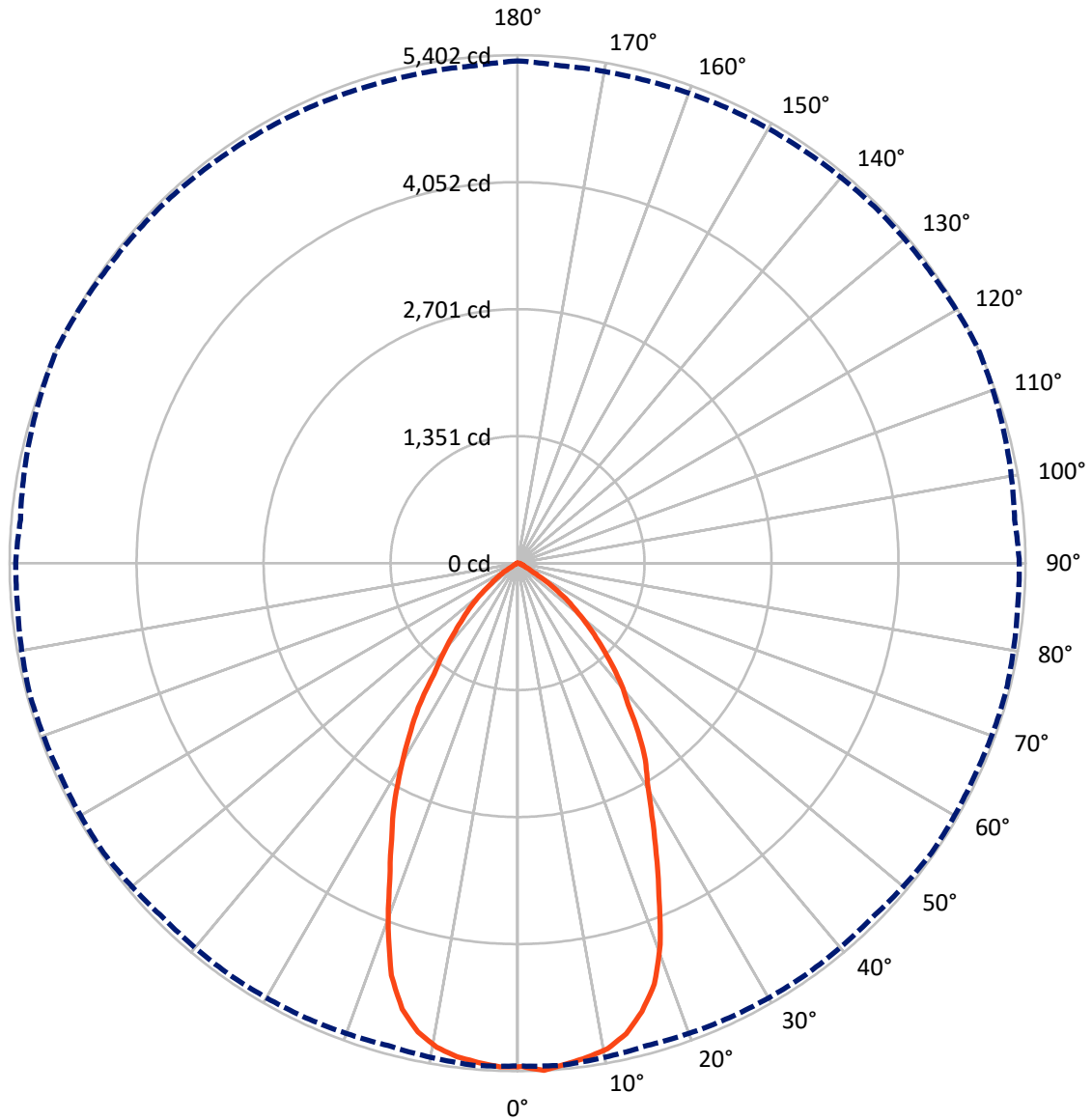
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 13.4 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
House Side	Lumens	3454.5	0.0	3454.5
	% Fixture	57.2	0.0	57.2
Street Side	Lumens	2581.8	0.0	2581.8
	% Fixture	42.8	0.0	42.8
Total	Lumens	6036.4	0.0	6036.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	504.4	8.4
10°-20°	1337.5	22.2
20°-30°	1529.9	25.3
30°-40°	1311.0	21.7
40°-50°	866.9	14.4
50°-60°	378.3	6.3
60°-70°	74.3	1.2
70°-80°	26.8	0.4
80°-90°	7.1	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°	6036.4	100.0
0°-180°	6036.4	100.0



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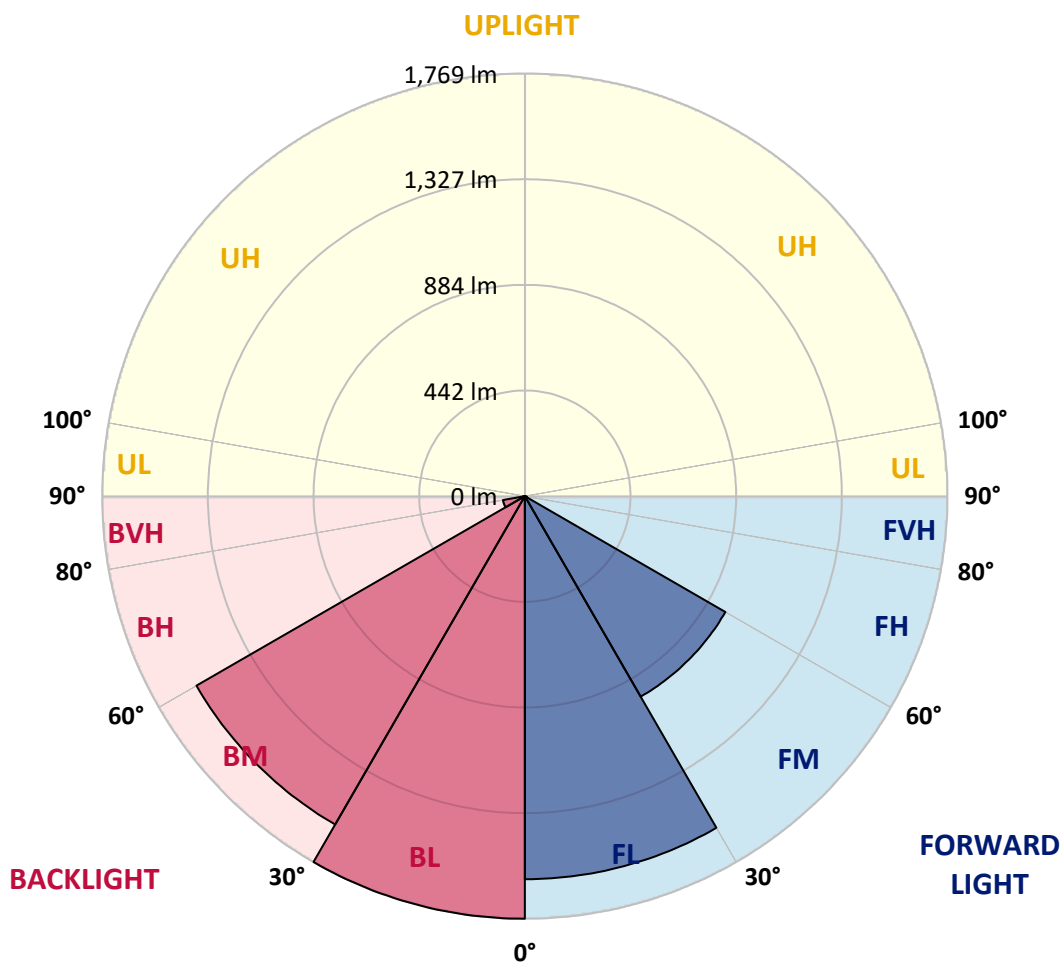
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1603.1	26.6			
FM (30°-60°)	969.3	16.1			
FH (60°-80°)	8.2	0.1			G0/660
FVH (80°-90°)	1.2	0.0			G0/10
BL (0°-30°)	1768.7	29.3	B3/2500		
BM (30°-60°)	1586.9	26.3	B2/2500		
BH (60°-80°)	92.9	1.5	B0/110		G0/110
BVH (80°-90°)	5.9	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G0

Type I Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	5355.8	5355.8	5355.8	5355.8	5355.8	5355.8	5355.8	5355.8	5355.8	5355.8
2.5°	5348.1	5360.9	5312.2	5334.0	5343.0	5331.4	5373.8	5360.9	5371.2	5339.1
5°	5348.1	5360.9	5304.5	5314.7	5317.3	5295.5	5341.7	5326.3	5327.6	5294.2
7.5°	5314.7	5330.1	5278.8	5286.5	5287.8	5269.8	5309.6	5287.8	5280.1	5245.4
10°	5224.9	5233.9	5187.7	5207.0	5224.9	5208.2	5242.9	5218.5	5218.5	5187.7
12.5°	5082.5	5099.2	5047.8	5070.9	5086.3	5067.1	5106.9	5097.9	5099.2	5068.4
15°	4823.3	4765.6	4827.1	4873.3	4874.6	4870.8	4908.0	4899.0	4905.4	4859.2
17.5°	3563.3	3549.1	3621.0	4166.3	4571.8	4627.0	4633.4	4584.6	4562.8	4517.9
20°	3301.5	3311.8	3296.4	3298.9	3618.4	4281.8	4242.0	4121.4	4066.2	4021.3
22.5°	3110.3	3093.6	3083.4	3077.0	3085.9	3518.4	3804.5	3622.3	3592.8	3571.0
25°	2902.4	2894.7	2881.9	2879.4	2874.2	2801.1	3213.0	3229.6	3182.2	3155.2
27.5°	2708.7	2703.6	2689.4	2688.2	2629.1	2452.1	2497.0	2893.5	2880.6	2870.4
30°	2502.1	2491.8	2484.1	2484.1	2305.8	2123.6	2050.4	2522.6	2522.6	2513.7
32.5°	2277.6	2268.6	2271.1	2240.3	2027.3	1860.5	1745.1	2177.5	2312.2	2304.5
35°	1392.2	1389.6	1650.1	1992.7	1742.5	1591.1	1583.4	1863.1	2059.4	2080.0
37.5°	1239.5	1231.8	1235.7	1257.5	1492.3	1432.0	1429.4	1476.9	1752.8	1763.0
40°	1112.5	1107.3	1103.5	1025.2	950.8	1278.0	1269.0	1238.2	1497.4	1515.4
42.5°	991.9	986.7	986.7	876.4	755.8	1050.9	1054.7	1018.8	1262.6	1269.0
45°	867.4	863.5	841.7	699.3	664.7	698.0	873.8	832.8	1002.1	1068.8
47.5°	409.3	406.8	589.0	581.3	578.7	558.2	667.2	690.3	795.5	862.3
50°	328.5	325.9	310.5	273.3	476.0	423.4	481.2	531.2	564.6	626.2
52.5°	272.0	269.5	237.4	210.4	264.3	309.2	287.4	355.4	354.1	420.9
55°	178.4	165.5	182.2	171.9	138.6	224.5	219.4	269.5	263.0	320.8
57.5°	3.8	3.8	9.0	97.5	87.3	95.0	125.7	154.0	173.2	189.9
60°	1.3	1.3	2.6	5.1	35.9	39.8	48.8	56.5	79.6	98.8
62.5°	0.0	0.0	1.3	2.6	5.1	20.5	23.1	26.9	37.2	51.3
65°	0.0	0.0	0.0	1.3	2.6	5.1	7.7	16.7	23.1	29.5
67.5°	0.0	0.0	0.0	1.3	1.3	2.6	5.1	7.7	10.3	20.5
70°	0.0	0.0	0.0	1.3	1.3	2.6	3.8	5.1	7.7	10.3
72.5°	0.0	0.0	0.0	1.3	1.3	3.8	2.6	3.8	5.1	6.4
75°	0.0	0.0	0.0	1.3	1.3	1.3	2.6	3.8	3.8	5.1
77.5°	0.0	0.0	0.0	1.3	2.6	2.6	2.6	2.6	2.6	3.8
80°	0.0	0.0	0.0	1.3	1.3	2.6	3.8	5.1	2.6	2.6
82.5°	0.0	0.0	0.0	2.6	1.3	5.1	7.7	6.4	2.6	1.3
85°	0.0	0.0	0.0	1.3	5.1	6.4	6.4	3.8	1.3	1.3
87.5°	0.0	0.0	0.0	1.3	1.3	2.6	3.8	3.8	1.3	1.3
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°
5355.8	0°	5355.8	5355.8	5355.8	5355.8	5355.8	5355.8	5355.8	5355.8	5355.8
5336.5	2.5°	5307.0	5357.1	5402.0	5373.8	5363.5	5343.0	5327.6	5310.9	5309.6
5290.4	5°	5260.8	5308.3	5351.9	5318.6	5321.2	5310.9	5300.6	5296.8	5299.3
5242.9	7.5°	5221.1	5260.8	5308.3	5280.1	5287.8	5281.4	5276.2	5268.5	5280.1
5181.3	10°	5160.8	5196.7	5251.9	5224.9	5221.1	5214.7	5209.5	5195.4	5201.8
5069.7	12.5°	5028.6	5073.5	5136.4	5105.6	5115.9	5097.9	5090.2	5081.2	5082.5
4875.9	15°	4849.0	4883.6	4947.8	4923.4	4931.1	4919.5	4919.5	4919.5	4928.5
4524.3	17.5°	4535.9	4606.4	4707.8	4677.0	4688.6	4691.1	4688.6	4697.5	4709.1
4023.9	20°	4026.5	4147.1	4331.9	4392.2	4416.5	4417.8	4399.9	4421.7	4444.8
3555.6	22.5°	3558.1	3685.2	3848.1	4013.6	4116.3	4111.2	4113.7	4127.8	4152.2
3138.5	25°	3152.7	3274.6	3422.1	3569.7	3794.2	3840.4	3841.7	3854.5	3873.8
2853.7	27.5°	2860.1	2907.6	3042.3	3191.2	3432.4	3579.9	3572.2	3583.8	3604.3
2497.0	30°	2507.2	2689.4	2720.2	2811.3	3019.2	3290.0	3291.2	3304.1	3324.6
2286.5	32.5°	2280.1	2400.7	2495.7	2498.3	2675.3	2953.8	3008.9	3021.8	3035.9
2068.4	35°	2067.1	2081.2	2209.6	2245.5	2348.1	2624.0	2721.5	2729.2	2752.3
1759.2	37.5°	1788.7	1872.1	1908.0	2036.3	2041.5	2264.7	2458.5	2450.8	2468.7
1514.1	40°	1533.3	1612.9	1704.0	1797.7	1810.5	1977.3	2191.6	2199.3	2207.0
1256.2	42.5°	1266.5	1367.8	1461.5	1524.4	1611.6	1707.8	1911.9	1947.8	1965.8
1076.5	45°	1095.8	1124.0	1235.7	1328.0	1416.6	1461.5	1652.7	1718.1	1729.7
852.0	47.5°	863.5	958.5	1034.2	1112.5	1222.8	1262.6	1401.2	1492.3	1501.3
632.6	50°	667.2	735.2	839.2	909.7	1038.1	1059.9	1154.8	1272.9	1284.4
423.4	52.5°	477.3	569.7	671.1	739.1	862.3	890.5	961.1	1074.0	1081.7
324.6	55°	342.6	402.9	486.3	583.8	673.6	736.5	785.3	893.1	903.3
213.0	57.5°	233.5	290.0	324.6	422.2	476.0	544.0	583.8	665.9	673.6
101.4	60°	111.6	138.6	165.5	214.3	248.9	306.7	332.3	365.7	374.7
61.6	62.5°	71.9	84.7	107.8	128.3	161.7	197.6	207.9	236.1	246.4
38.5	65°	47.5	60.3	84.7	89.8	123.2	151.4	164.2	184.8	196.3
23.1	67.5°	26.9	42.3	62.9	74.4	97.5	124.5	138.6	156.5	166.8
15.4	70°	18.0	34.6	50.0	61.6	77.0	100.1	118.0	133.4	139.9
7.7	72.5°	10.3	21.8	34.6	48.8	61.6	83.4	100.1	112.9	74.4
5.1	75°	6.4	16.7	29.5	41.1	51.3	66.7	80.8	79.6	33.4
3.8	77.5°	5.1	12.8	25.7	34.6	42.3	46.2	57.7	65.4	25.7
2.6	80°	3.8	10.3	23.1	29.5	16.7	33.4	44.9	48.8	18.0
2.6	82.5°	2.6	6.4	19.2	20.5	11.5	24.4	35.9	32.1	12.8
1.3	85°	1.3	3.8	6.4	11.5	10.3	11.5	9.0	12.8	9.0
1.3	87.5°	1.3	2.6	5.1	5.1	5.1	3.8	5.1	5.1	5.1
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



180°
5355.8
5340.4
5331.4
5312.2
5232.6
5119.7
4932.4
4747.6
4460.2
4156.1
3907.1
3623.6
3360.5
3068.0
2776.7
2490.6
2231.4
1991.4
1757.9
1523.1
1301.1
1095.8
912.3
689.0
384.9
248.9
196.3
165.5
138.6
60.3
33.4
25.7
19.2
12.8
9.0
5.1
0.0

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