

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: P636738

Luminaire Tested: **IFLD-S-SA2B-930-U-77-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636738
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2B-930-U-77-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 7 distribution lens and Visor
Light Source: (32) 3000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5620.7 lumens
Efficiency: N/A
Efficacy: 68.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type I - Short
BUG Rating: B3 - U0 - G1

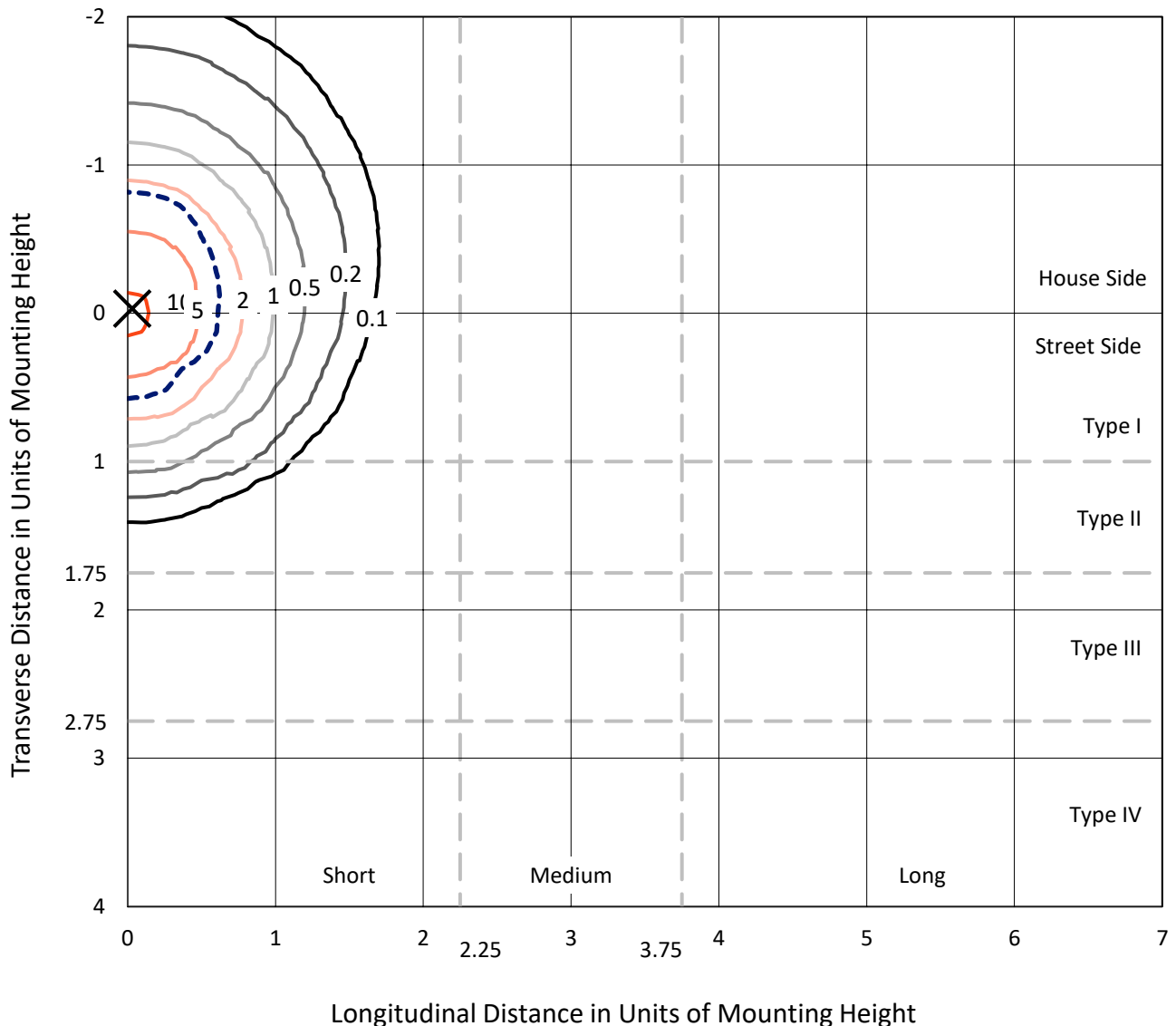
Input Watts (W): 82.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

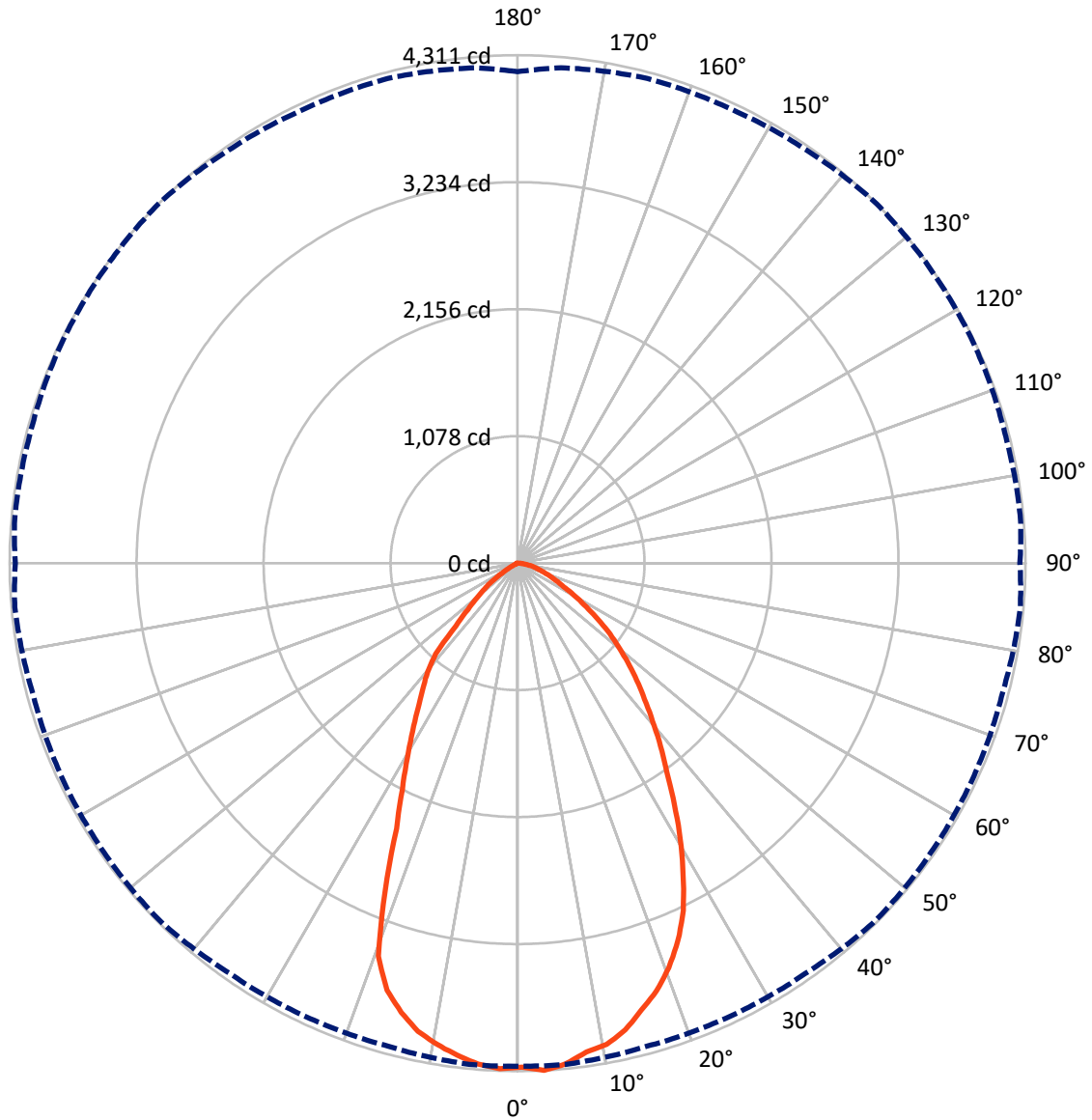
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 10.7 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 135-Deg Lateral - - - Horizontal Cone Through 2.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3328.9	0.0	3328.9
	% Fixture	59.2	0.0	59.2
Street Side	Lumens	2291.8	0.0	2291.8
	% Fixture	40.8	0.0	40.8
Total	Lumens	5620.7	0.0	5620.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	401.1	7.1
10°-20°	1075.7	19.1
20°-30°	1311.9	23.3
30°-40°	1197.7	21.3
40°-50°	865.6	15.4
50°-60°	472.6	8.4
60°-70°	195.4	3.5
70°-80°	79.1	1.4
80°-90°	21.5	0.4
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°	5620.7	100.0
0°-180°	5620.7	100.0



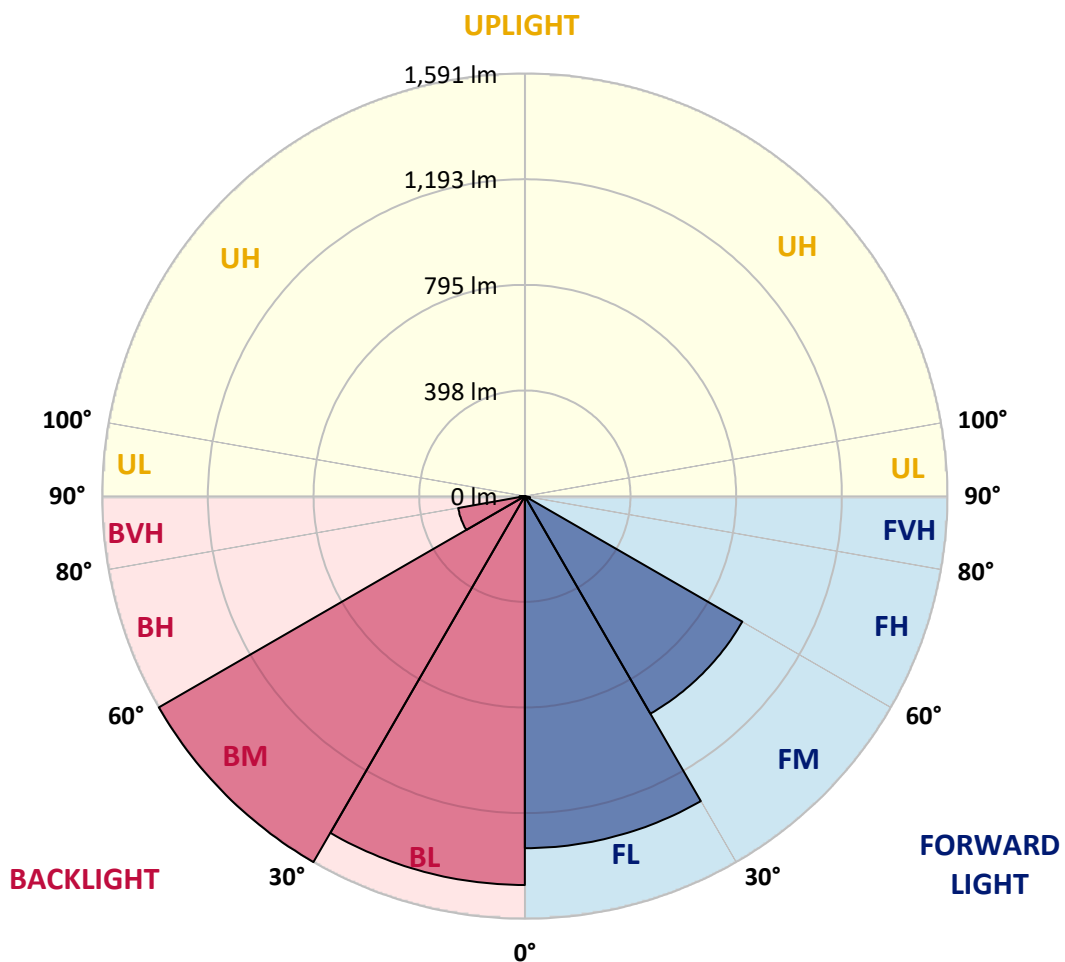
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1325.0	23.6			
FM (30°-60°)	945.3	16.8			
FH (60°-80°)	19.8	0.4			G0/660
FVH (80°-90°)	1.7	0.0			G0/10
BL (0°-30°)	1463.7	26.0	B3/2500		
BM (30°-60°)	1590.6	28.3	B2/2500		
BH (60°-80°)	254.7	4.5	B1/500		G1/500
BVH (80°-90°)	19.8	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type I Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4277.3	4277.3	4277.3	4277.3	4277.3	4277.3	4277.3	4277.3	4277.3	4277.3
2.5°	4269.4	4275.0	4244.9	4248.1	4253.6	4294.0	4283.7	4274.2	4260.7	4283.7
5°	4263.9	4267.1	4235.4	4224.3	4229.1	4265.5	4232.2	4232.2	4229.1	4225.1
7.5°	4221.2	4222.7	4198.2	4178.4	4191.1	4207.7	4183.2	4195.0	4177.6	4191.1
10°	4157.0	4146.7	4117.5	4111.9	4126.2	4142.0	4125.4	4136.5	4120.6	4130.9
12.5°	4062.8	4047.0	4023.3	4016.1	4040.7	4062.1	4048.6	4042.3	4021.7	4047.0
15°	3699.5	3687.7	3741.5	3835.7	3920.4	3938.6	3924.3	3930.7	3887.9	3895.0
17.5°	3045.0	3022.8	3080.6	3303.8	3622.0	3789.8	3777.1	3736.0	3672.6	3686.9
20°	2767.1	2760.8	2754.5	2807.5	3029.9	3538.9	3556.3	3451.8	3361.6	3341.8
22.5°	2610.4	2608.0	2601.7	2613.6	2672.2	2999.1	3198.5	3101.9	3041.8	3036.3
25°	2467.2	2463.2	2444.2	2459.2	2459.2	2478.2	2733.9	2792.5	2739.4	2733.1
27.5°	2321.5	2314.4	2311.2	2318.3	2281.9	2153.7	2218.6	2504.4	2476.7	2478.2
30°	2164.0	2161.6	2152.9	2168.0	2055.6	1896.5	1855.3	2243.2	2248.7	2247.1
32.5°	1929.7	1940.0	1979.6	1996.2	1811.0	1679.6	1610.7	1940.8	2054.0	2051.6
35°	1401.8	1401.8	1530.8	1770.6	1587.0	1488.0	1450.8	1645.6	1861.6	1869.6
37.5°	1152.4	1156.4	1181.7	1291.0	1369.3	1334.5	1323.4	1385.2	1614.7	1627.4
40°	1036.9	1036.9	1036.9	991.8	989.4	1202.3	1196.0	1176.2	1394.6	1422.4
42.5°	931.6	934.0	935.6	821.6	758.3	1039.3	1025.0	994.9	1197.6	1230.0
45°	823.2	827.1	831.9	687.0	659.3	748.0	867.5	834.3	1002.8	1044.8
47.5°	502.6	508.9	616.6	582.6	585.7	577.0	707.6	702.1	822.4	881.7
50°	339.6	341.9	352.2	369.6	502.6	453.5	501.0	581.0	624.5	714.7
52.5°	284.9	288.9	263.6	239.8	330.1	354.6	349.8	431.4	448.8	560.4
55°	200.3	212.9	201.0	198.7	187.6	275.4	265.2	331.6	342.7	425.8
57.5°	20.6	23.7	41.2	148.0	122.7	155.9	189.2	243.0	254.1	314.2
60°	1.6	1.6	4.0	20.6	89.4	93.4	130.6	149.6	171.0	219.2
62.5°	0.0	0.8	1.6	3.2	14.2	49.9	65.7	78.4	102.9	141.7
65°	0.0	0.0	0.8	2.4	3.2	19.0	25.3	41.2	56.2	87.9
67.5°	0.0	0.0	0.8	1.6	2.4	4.7	8.7	15.0	30.1	49.9
70°	0.0	0.0	0.8	1.6	2.4	4.0	6.3	9.5	13.5	26.9
72.5°	0.0	0.0	0.8	0.8	1.6	4.0	4.7	6.3	9.5	13.5
75°	0.0	0.0	0.8	0.8	2.4	4.7	4.0	4.7	6.3	8.7
77.5°	0.0	0.0	0.8	1.6	2.4	4.7	4.0	4.7	4.7	5.5
80°	0.0	0.0	0.8	1.6	3.2	5.5	4.7	4.7	4.0	4.0
82.5°	0.0	0.0	0.8	2.4	3.2	7.1	7.1	6.3	3.2	2.4
85°	0.0	0.0	1.6	3.2	4.7	7.9	7.9	6.3	2.4	1.6
87.5°	0.0	0.0	1.6	2.4	4.0	5.5	7.9	6.3	2.4	0.8
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°
4277.3	0°	4277.3	4277.3	4277.3	4277.3	4277.3	4277.3	4277.3	4277.3	4277.3
4263.9	2.5°	4285.3	4280.5	4296.3	4302.7	4311.4	4278.1	4257.6	4258.4	4220.4
4215.6	5°	4240.9	4241.7	4262.3	4260.7	4269.4	4251.2	4243.3	4229.9	4196.6
4154.7	7.5°	4184.7	4177.6	4197.4	4212.4	4190.3	4202.9	4184.7	4191.1	4171.3
4100.8	10°	4141.2	4124.6	4142.8	4153.1	4153.9	4141.2	4123.8	4107.2	4100.0
4016.9	12.5°	4044.6	4023.3	4054.1	4068.4	4066.0	4041.5	4021.7	4025.6	4002.7
3869.7	15°	3911.7	3912.5	3934.6	3948.1	3935.4	3929.9	3931.5	3922.0	3902.2
3666.3	17.5°	3708.2	3720.1	3778.7	3811.1	3818.3	3807.2	3801.6	3790.6	3770.8
3341.8	20°	3369.5	3440.7	3545.2	3645.7	3665.5	3662.3	3642.6	3637.8	3626.7
3020.4	22.5°	3071.9	3124.9	3246.0	3402.7	3483.5	3491.4	3467.6	3460.5	3448.6
2733.1	25°	2764.0	2821.0	2930.2	3100.4	3267.4	3301.4	3297.5	3276.1	3263.4
2478.2	27.5°	2504.4	2561.3	2660.3	2813.8	2992.7	3101.9	3112.2	3078.2	3077.4
2251.1	30°	2270.1	2348.4	2423.6	2548.7	2722.0	2885.9	2903.3	2879.5	2881.9
2042.9	32.5°	2086.4	2151.3	2215.5	2299.4	2443.4	2634.2	2702.2	2680.1	2671.4
1869.6	35°	1898.8	1943.2	2008.9	2085.6	2183.8	2373.0	2490.9	2474.3	2465.6
1635.3	37.5°	1685.1	1761.1	1808.6	1894.9	1971.7	2122.1	2288.3	2285.9	2267.7
1435.8	40°	1465.9	1545.8	1617.9	1704.9	1764.3	1883.8	2068.2	2067.4	2069.8
1229.2	42.5°	1267.2	1340.8	1427.9	1522.9	1579.9	1666.9	1864.8	1875.9	1889.3
1059.0	45°	1087.5	1154.0	1234.8	1350.3	1419.2	1469.1	1644.8	1695.4	1694.6
907.1	47.5°	926.1	988.6	1056.7	1169.1	1256.9	1302.0	1447.7	1519.7	1515.0
744.0	50°	777.3	832.7	903.9	985.4	1103.4	1142.9	1251.4	1346.4	1339.2
592.8	52.5°	625.3	702.1	762.2	836.6	960.9	999.7	1083.6	1176.2	1170.7
444.8	55°	487.6	562.0	634.8	698.9	803.4	861.2	921.3	1016.3	1014.7
348.3	57.5°	368.8	450.4	519.2	580.2	663.3	734.5	782.8	869.1	880.2
238.2	60°	273.1	335.6	410.0	478.1	543.8	617.4	649.8	734.5	739.3
163.1	62.5°	186.0	254.9	327.7	389.4	438.5	514.5	543.8	613.4	622.1
104.5	65°	129.0	173.3	256.5	300.8	360.9	425.8	455.1	510.5	527.9
60.2	67.5°	85.5	123.5	200.3	240.6	300.0	344.3	381.5	426.6	445.6
38.0	70°	46.7	91.0	143.3	190.0	241.4	284.2	320.6	357.0	373.6
17.4	72.5°	31.7	60.9	99.7	150.4	194.7	236.7	269.1	296.0	296.8
10.3	75°	15.8	41.2	76.0	116.4	152.0	193.1	222.4	238.2	219.2
6.3	77.5°	9.5	30.1	61.7	93.4	123.5	155.9	172.6	181.3	150.4
4.7	80°	5.5	21.4	48.3	74.4	85.5	114.8	130.6	133.0	100.5
3.2	82.5°	4.0	15.8	38.0	54.6	52.2	80.7	98.1	95.0	64.1
2.4	85°	2.4	11.1	23.7	34.0	31.7	53.0	57.0	58.6	37.2
1.6	87.5°	1.6	6.3	12.7	18.2	15.0	23.0	23.0	27.7	18.2
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



180°
4277.3
4171.3
4188.7
4138.0
4068.4
3982.9
3882.4
3762.1
3601.4
3445.5
3250.0
3075.8
2870.0
2672.2
2453.7
2282.7
2069.8
1882.2
1696.2
1516.5
1345.6
1182.5
1018.7
875.4
746.4
623.7
524.0
443.2
367.3
289.7
205.0
144.8
94.2
59.4
34.0
15.8
0.0

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