

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: P638318

Luminaire Tested: **IFLD-M-SA4A-722-U-LAM-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P638318
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4A-722-U-LAM-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/
Lambertian distribution lens and Visor
Light Source: (64) 2200K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10025.9 lumens
Efficiency: N/A
Efficacy: 78.0 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 0.5' x H: 0')
IES Classification: Type I - Short
BUG Rating: B3 - U0 - G1

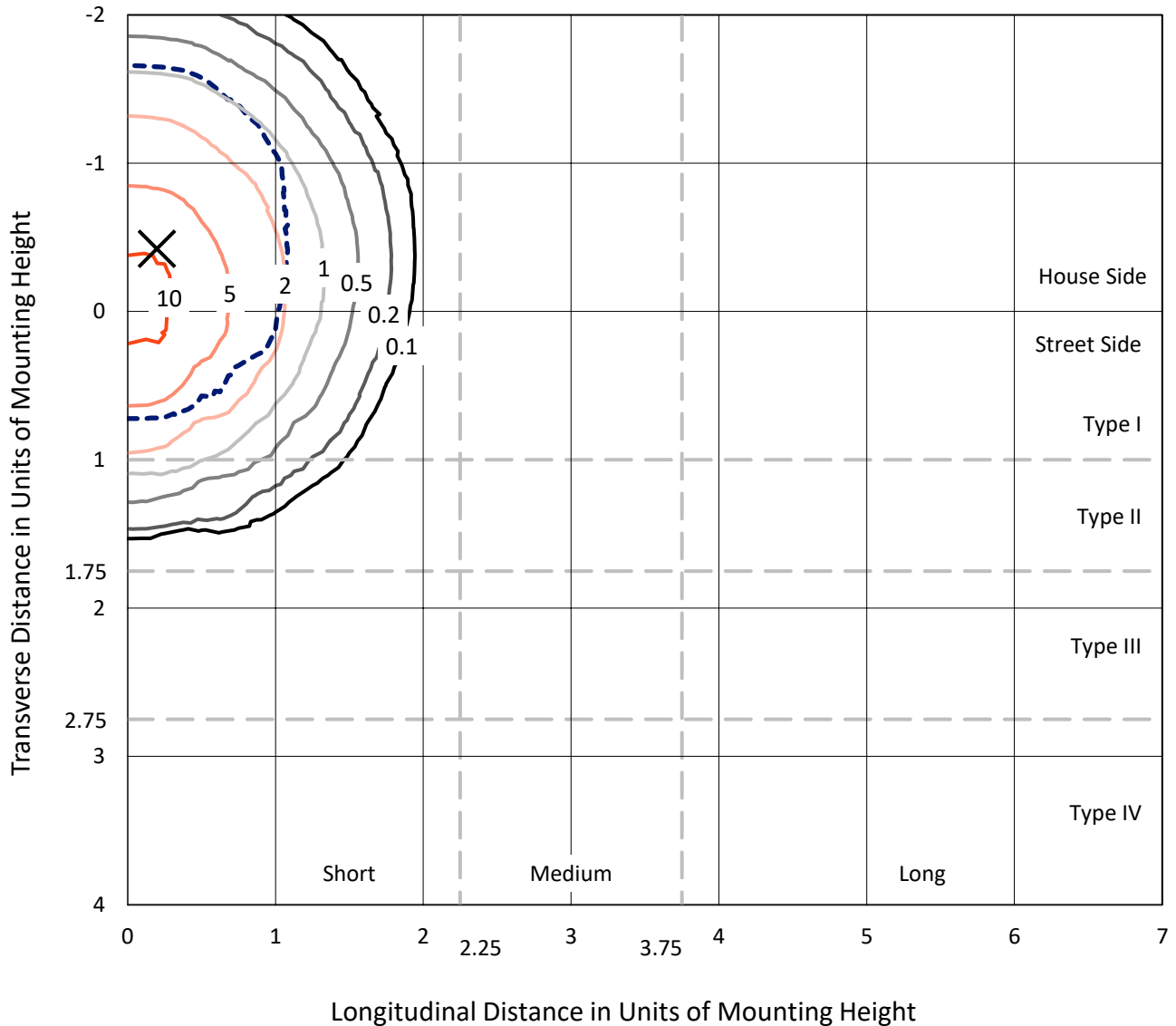
Input Watts (W): 128.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

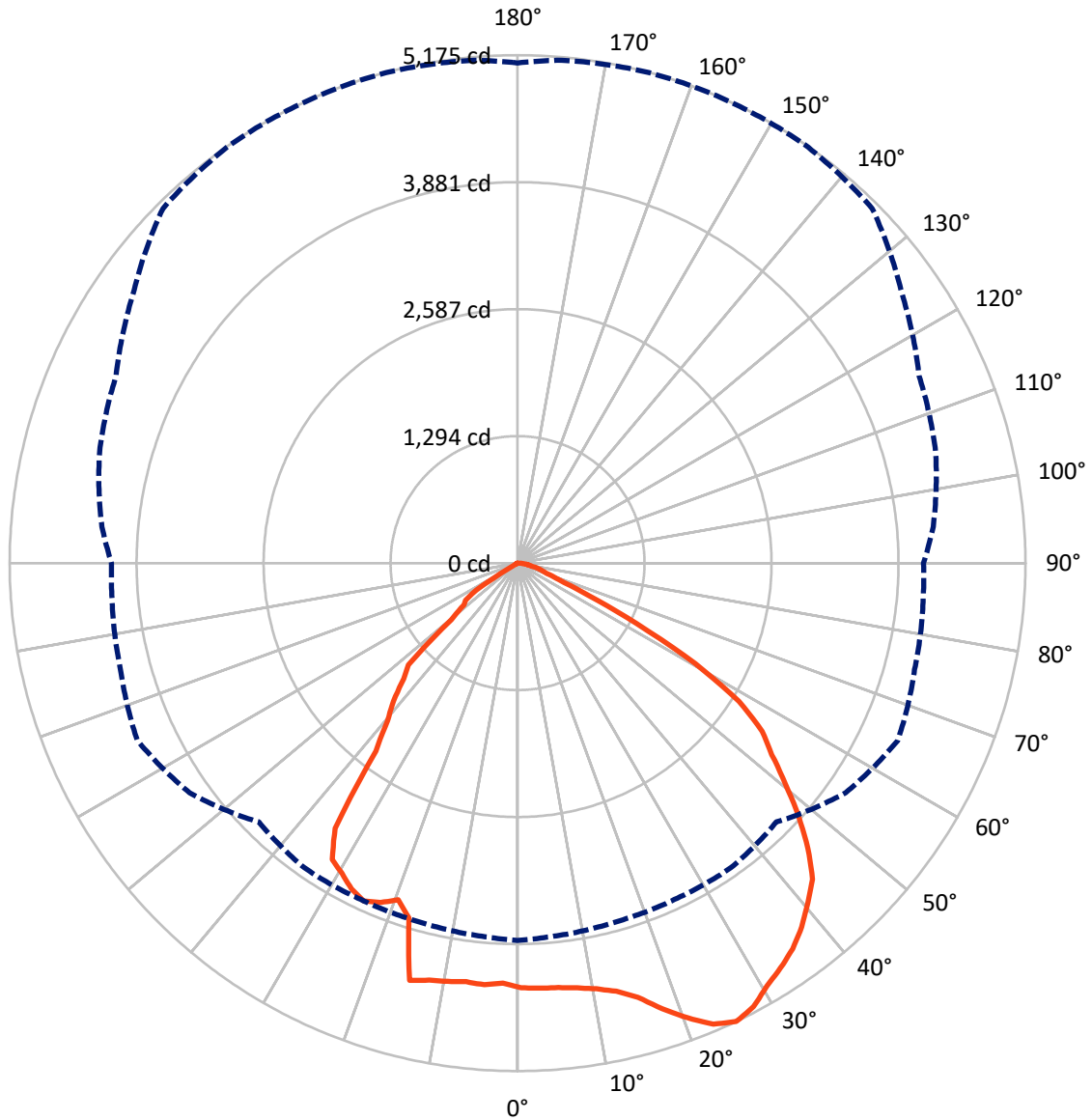
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 10.8 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
House Side	Lumens	6207.1	0.0	6207.1
	% Fixture	61.9	0.0	61.9
Street Side	Lumens	3818.8	0.0	3818.8
	% Fixture	38.1	0.0	38.1
Total	Lumens	10025.9	0.0	10025.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	415.0	4.1
10°-20°	1267.3	12.6
20°-30°	2003.5	20.0
30°-40°	2263.1	22.6
40°-50°	2119.4	21.1
50°-60°	1461.2	14.6
60°-70°	392.6	3.9
70°-80°	81.8	0.8
80°-90°	22.1	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°	10025.9	100.0
0°-180°	10025.9	100.0



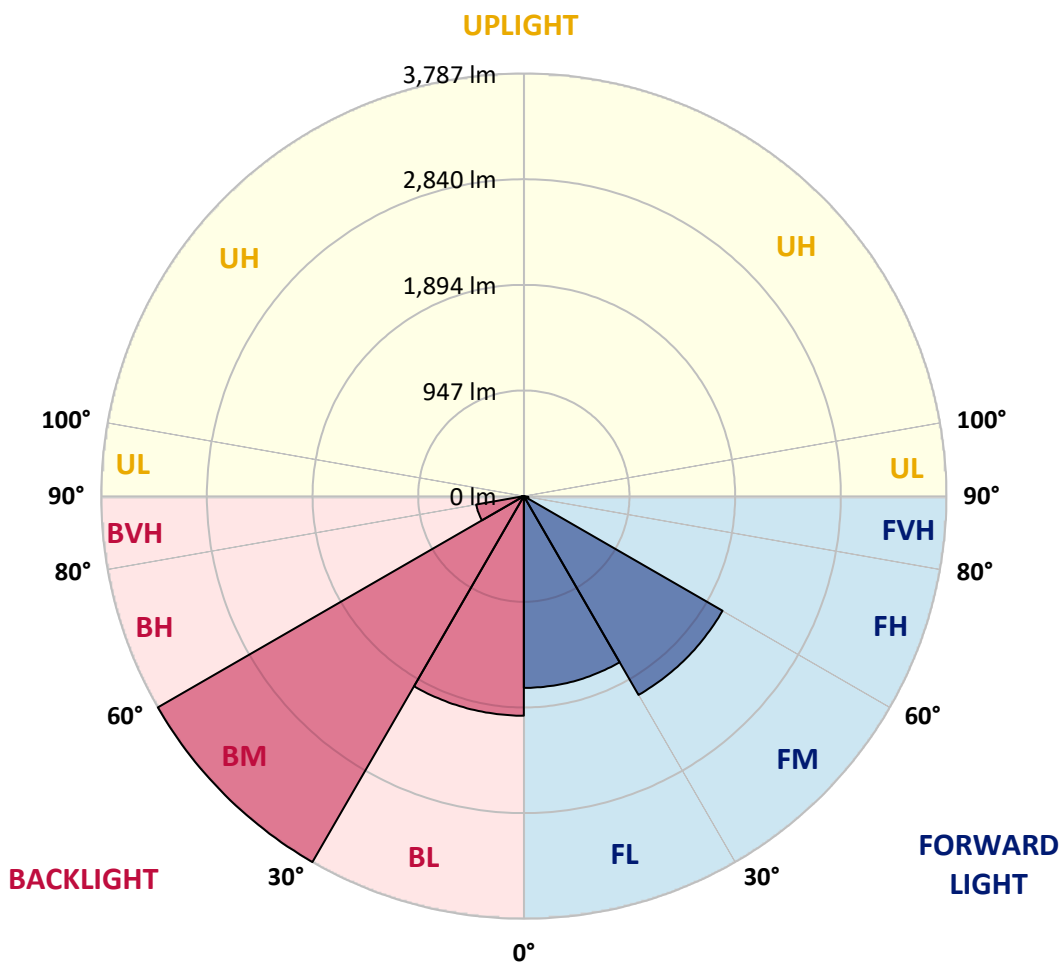
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1718.1	17.1			
FM (30°-60°)	2056.5	20.5			
FH (60°-80°)	41.2	0.4			G0/660
FVH (80°-90°)	3.0	0.0			G0/10
BL (0°-30°)	1967.6	19.6	B3/2500		
BM (30°-60°)	3787.1	37.8	B3/5000		
BH (60°-80°)	433.2	4.3	B1/500		G1/500
BVH (80°-90°)	19.2	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type I Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4326.0	4326.0	4326.0	4326.0	4326.0	4326.0	4326.0	4326.0	4326.0	4326.0
2.5°	4345.2	4317.2	4290.7	4281.8	4318.7	4358.4	4333.4	4334.9	4326.0	4342.2
5°	4377.6	4339.3	4321.6	4308.3	4314.2	4355.5	4320.1	4333.4	4318.7	4337.8
7.5°	4365.8	4339.3	4321.6	4296.6	4315.7	4364.3	4330.4	4331.9	4324.5	4342.2
10°	4358.4	4339.3	4317.2	4320.1	4342.2	4383.5	4357.0	4371.7	4361.4	4371.7
12.5°	4376.1	4355.5	4343.7	4343.7	4362.9	4410.0	4396.7	4410.0	4405.6	4414.4
15°	4209.6	4228.8	4340.8	4390.9	4429.2	4476.3	4470.4	4483.7	4486.6	4499.9
17.5°	3551.0	3531.8	3523.0	3780.8	4466.0	4611.9	4607.4	4606.0	4591.2	4580.9
20°	3637.9	3630.6	3620.2	3639.4	3716.0	4682.6	4712.1	4530.8	4477.8	4473.4
22.5°	3776.4	3764.6	3726.3	3727.8	3751.4	4071.1	4566.2	4401.2	4383.5	4373.2
25°	3844.2	3820.6	3789.7	3780.8	3788.2	3729.3	4078.5	4274.5	4187.5	4147.7
27.5°	3724.9	3726.3	3701.3	3724.9	3696.9	3431.6	3282.8	4026.9	4024.0	4006.3
30°	3635.0	3630.6	3601.1	3630.6	3437.5	3141.4	3078.0	3755.8	3724.9	3701.3
32.5°	3359.4	3362.4	3447.9	3562.8	3246.0	3011.7	2820.2	3355.0	3648.2	3635.0
35°	2403.2	2409.1	2712.6	3279.9	2955.7	2753.9	2739.1	2899.7	3527.4	3533.3
37.5°	2313.3	2313.3	2305.9	2398.8	2727.3	2649.2	2678.7	2662.5	3231.3	3246.0
40°	2248.5	2235.2	2224.9	2079.0	1896.3	2575.6	2596.2	2522.5	3054.4	3057.4
42.5°	2170.4	2155.6	2158.6	1889.0	1697.4	2392.9	2335.4	2236.7	2759.8	2762.7
45°	2027.5	2052.5	2070.2	1653.2	1638.5	1709.2	2154.2	2092.3	2560.8	2615.4
47.5°	1031.4	1053.5	1616.4	1520.6	1554.5	1519.1	1819.7	1821.2	2130.6	2311.8
50°	935.6	929.7	931.2	887.0	1435.1	1228.8	1315.8	1669.4	1706.2	1965.6
52.5°	872.3	870.8	780.9	694.0	901.7	1081.5	954.8	1208.2	1268.6	1665.0
55°	645.4	692.5	615.9	652.7	564.3	866.4	862.0	1090.3	1111.0	1334.9
57.5°	5.9	7.4	17.7	496.5	390.5	433.2	595.3	744.1	780.9	1040.2
60°	1.5	2.9	7.4	14.7	253.4	266.7	397.8	430.2	484.8	620.3
62.5°	0.0	0.0	2.9	7.4	13.3	109.0	126.7	138.5	213.6	316.8
65°	0.0	0.0	1.5	4.4	7.4	17.7	30.9	64.8	92.8	114.9
67.5°	0.0	0.0	1.5	2.9	5.9	8.8	17.7	25.0	39.8	67.8
70°	0.0	0.0	1.5	2.9	4.4	7.4	11.8	17.7	23.6	33.9
72.5°	0.0	0.0	1.5	2.9	2.9	8.8	8.8	13.3	17.7	22.1
75°	0.0	0.0	1.5	1.5	2.9	5.9	8.8	10.3	11.8	17.7
77.5°	0.0	0.0	1.5	2.9	4.4	5.9	7.4	11.8	10.3	10.3
80°	0.0	0.0	1.5	4.4	4.4	7.4	8.8	11.8	7.4	7.4
82.5°	0.0	0.0	1.5	5.9	4.4	14.7	14.7	16.2	5.9	5.9
85°	0.0	0.0	4.4	2.9	8.8	14.7	13.3	8.8	7.4	4.4
87.5°	0.0	0.0	1.5	1.5	2.9	4.4	10.3	8.8	2.9	2.9
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°
4326.0	0°	4326.0	4326.0	4326.0	4326.0	4326.0	4326.0	4326.0	4326.0	4326.0
4299.5	2.5°	4358.4	4339.3	4379.1	4374.6	4355.5	4346.6	4336.3	4327.5	4262.7
4302.4	5°	4359.9	4330.4	4379.1	4370.2	4367.3	4352.5	4343.7	4357.0	4298.0
4314.2	7.5°	4359.9	4330.4	4383.5	4386.4	4382.0	4370.2	4368.8	4377.6	4329.0
4334.9	10°	4389.4	4377.6	4421.8	4426.2	4420.3	4417.4	4410.0	4404.1	4352.5
4405.6	12.5°	4451.3	4427.7	4477.8	4491.0	4486.6	4494.0	4476.3	4485.2	4432.1
4477.8	15°	4526.4	4527.9	4566.2	4595.7	4592.7	4616.3	4589.8	4613.3	4575.0
4560.3	17.5°	4641.3	4657.5	4712.1	4756.3	4772.5	4790.2	4772.5	4779.8	4725.3
4468.9	20°	4520.5	4580.9	4843.2	4924.2	4958.1	4974.3	4944.9	4953.7	4899.2
4357.0	22.5°	4411.5	4489.6	4722.4	4975.8	5080.4	5112.8	5102.5	5101.1	5080.4
4135.9	25°	4250.9	4408.5	4513.1	4781.3	5109.9	5168.8	5174.7	5173.2	5142.3
4000.4	27.5°	4053.4	4088.8	4359.9	4523.5	4903.6	5127.6	5118.7	5076.0	5034.7
3719.0	30°	3801.5	3962.1	4084.4	4345.2	4636.9	5000.9	5000.9	4968.4	4925.7
3618.8	32.5°	3673.3	3881.0	3994.5	4088.8	4337.8	4859.4	4918.3	4884.5	4850.6
3540.7	35°	3605.5	3636.5	3901.7	3987.1	4197.8	4586.8	4825.5	4791.6	4766.6
3332.9	37.5°	3456.7	3528.9	3652.7	3881.0	3945.9	4364.3	4701.7	4684.1	4654.6
3063.3	40°	3125.2	3318.2	3508.3	3724.9	3792.6	4078.5	4551.5	4558.8	4519.0
2776.0	42.5°	2929.2	3060.3	3358.0	3503.8	3686.5	3894.3	4405.6	4417.4	4389.4
2630.1	45°	2699.3	2845.2	3054.4	3319.7	3568.7	3640.9	4147.7	4271.5	4247.9
2339.8	47.5°	2488.6	2606.5	2862.9	3131.1	3406.6	3396.3	3851.6	4084.4	4052.0
2117.3	50°	2189.5	2395.8	2516.6	2762.7	3173.8	3201.8	3536.3	3864.8	3838.3
1799.1	52.5°	1846.2	2105.5	2336.9	2562.3	2938.0	3004.3	3243.0	3640.9	3623.2
1374.7	55°	1613.4	1802.0	2062.8	2244.0	2652.2	2829.0	3023.5	3427.2	3418.4
1130.1	57.5°	1147.8	1511.7	1726.9	1980.3	2195.4	2515.2	2659.6	2992.6	2910.0
626.2	60°	778.0	948.9	1211.2	1483.8	1628.2	1947.9	2082.0	2348.7	2326.6
374.3	62.5°	411.1	568.7	755.9	892.9	997.5	1308.4	1364.4	1651.7	1644.4
150.3	65°	181.2	240.2	409.6	480.3	587.9	732.3	780.9	884.1	859.0
73.7	67.5°	94.3	142.9	231.3	284.4	358.0	412.6	452.3	484.8	505.4
48.6	70°	57.5	104.6	142.9	197.4	246.1	290.3	321.2	365.4	391.9
25.0	72.5°	42.7	66.3	98.7	151.8	178.3	229.9	260.8	293.2	316.8
20.6	75°	23.6	44.2	79.6	119.3	142.9	187.1	215.1	237.2	244.6
11.8	77.5°	14.7	33.9	66.3	92.8	112.0	151.8	144.4	165.0	182.7
8.8	80°	10.3	25.0	51.6	76.6	78.1	97.2	114.9	132.6	144.4
5.9	82.5°	7.4	20.6	38.3	58.9	51.6	75.1	89.9	103.1	75.1
4.4	85°	5.9	14.7	19.2	35.4	29.5	53.0	45.7	44.2	29.5
2.9	87.5°	4.4	7.4	13.3	16.2	11.8	11.8	14.7	17.7	14.7
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



180°
4326.0
4218.5
4247.9
4273.0
4309.8
4385.0
4511.7
4678.2
4860.9
5014.1
5095.2
5002.3
4909.5
4822.6
4731.2
4625.1
4510.2
4386.4
4250.9
4075.5
3842.7
3635.0
3428.7
2901.2
2328.0
1645.8
848.7
505.4
393.4
321.2
240.2
185.7
145.9
54.5
29.5
14.7
0.0

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