

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: P637928

Luminaire Tested: **IFLD-S-SA2C-750-U-66-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P637928
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2C-750-U-66-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 6 distribution lens and Visor
Light Source: (32) 5000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12259.3 lumens
Efficiency: N/A
Efficacy: 113.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G1

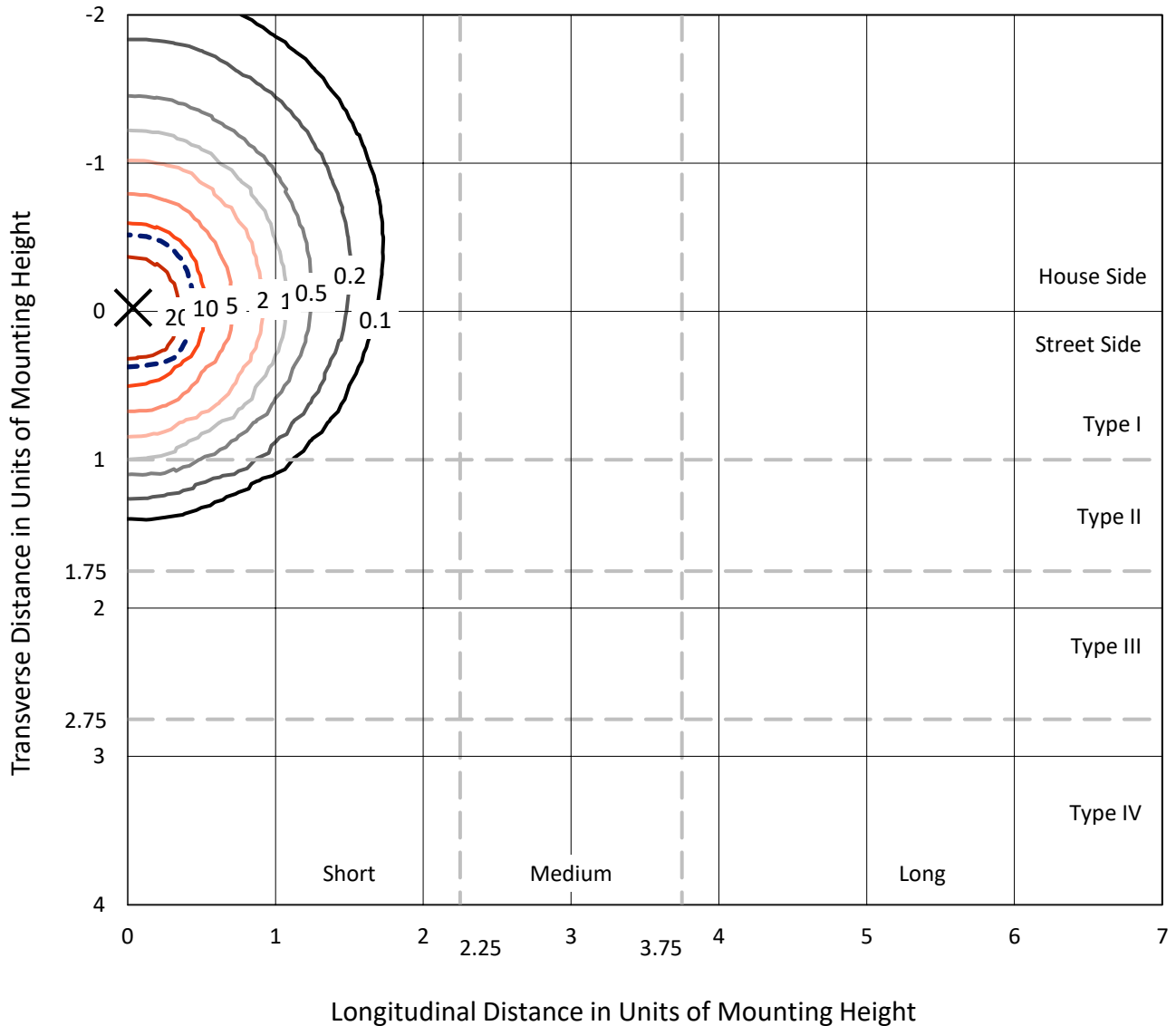
Input Watts (W): 108.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

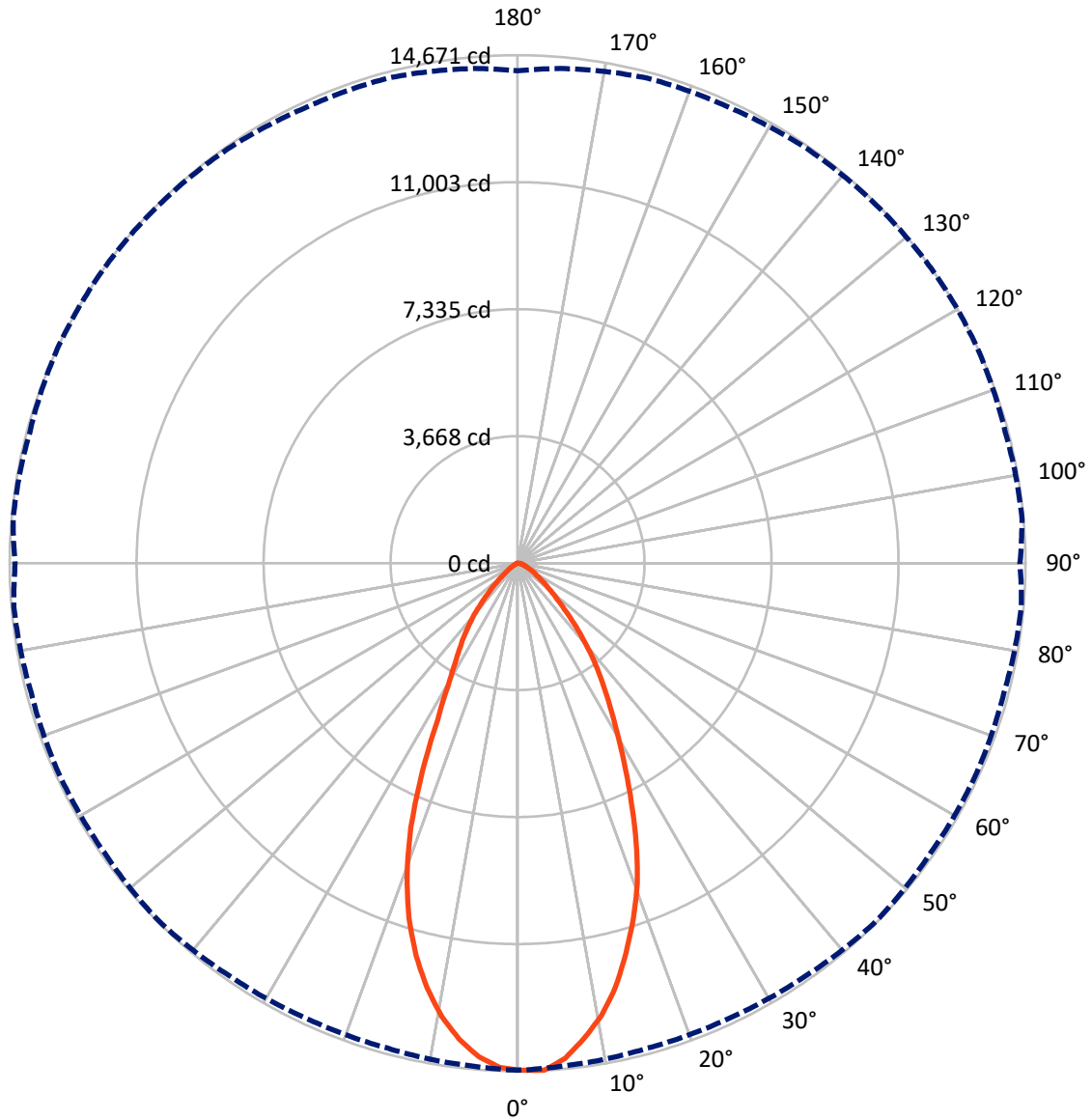
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 36.6 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 125-Deg Lateral - - - Horizontal Cone Through 2.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6956.5	0.0	6956.5
	% Fixture	56.7	0.0	56.7
Street Side	Lumens	5302.9	0.0	5302.9
	% Fixture	43.3	0.0	43.3
Total	Lumens	12259.3	0.0	12259.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1330.0	10.8
10°-20°	3170.4	25.9
20°-30°	3229.0	26.3
30°-40°	2407.9	19.6
40°-50°	1257.9	10.3
50°-60°	529.1	4.3
60°-70°	216.1	1.8
70°-80°	90.9	0.7
80°-90°	28.0	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°	12259.3	100.0
0°-180°	12259.3	100.0



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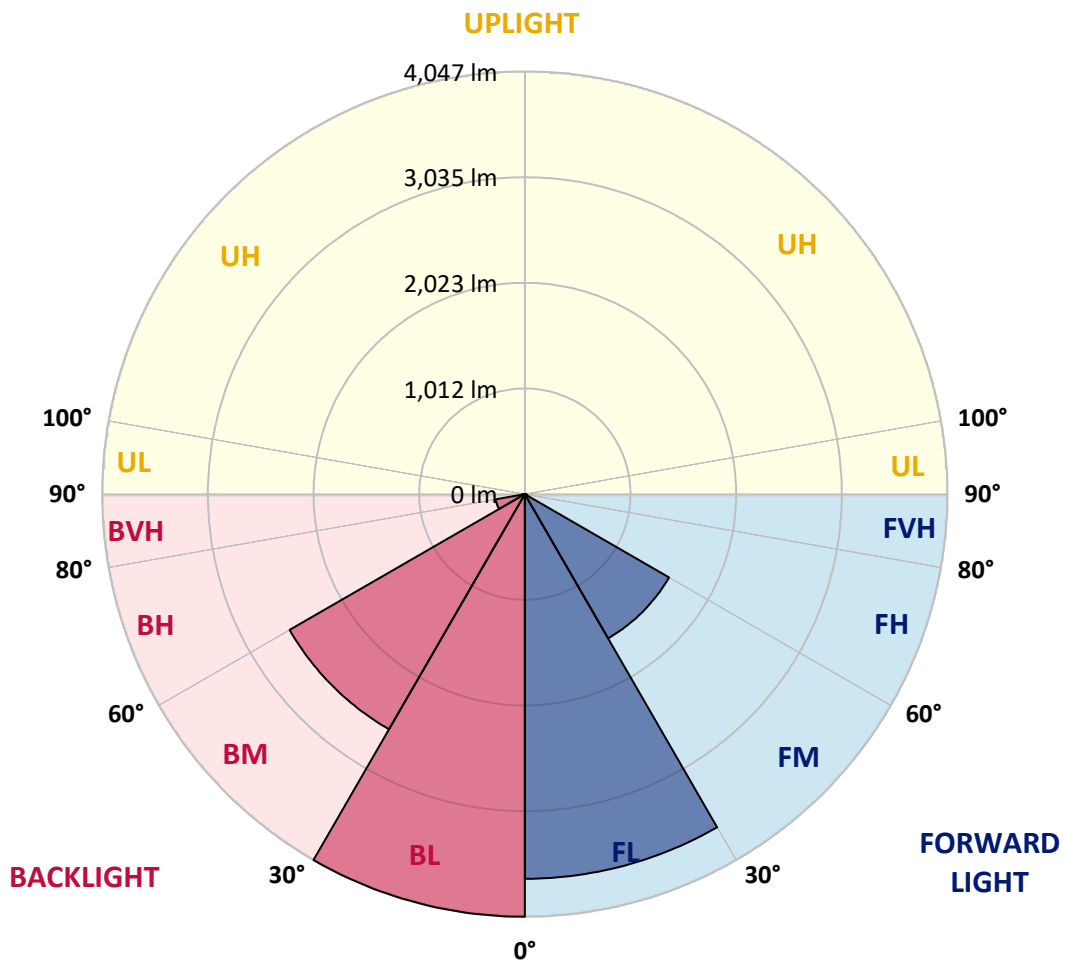
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3682.9	30.0			
FM (30°-60°)	1594.4	13.0			
FH (60°-80°)	23.1	0.2			G0/660
FVH (80°-90°)	2.6	0.0			G0/10
BL (0°-30°)	4046.6	33.0	B4/5000		
BM (30°-60°)	2600.5	21.2	B3/5000		
BH (60°-80°)	283.9	2.3	B1/500		G1/500
BVH (80°-90°)	25.4	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-G1

Type I Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	14647.0	14647.0	14647.0	14647.0	14647.0	14647.0	14647.0	14647.0	14647.0	14647.0
2.5°	14648.6	14588.7	14503.7	14495.8	14539.9	14636.0	14574.5	14577.7	14539.9	14604.5
5°	14418.6	14361.9	14303.7	14226.5	14291.1	14332.0	14300.5	14265.9	14217.1	14280.1
7.5°	13984.0	13952.5	13865.9	13831.2	13870.6	13916.3	13848.6	13839.1	13771.4	13853.3
10°	13319.4	13306.8	13221.8	13201.3	13236.0	13305.3	13275.3	13269.0	13226.5	13218.7
12.5°	12629.7	12580.9	12475.4	12469.1	12521.0	12625.0	12544.7	12467.5	12491.1	12511.6
15°	10853.3	10801.4	11062.8	11473.8	11689.6	11681.7	11705.3	11612.4	11584.0	11593.5
17.5°	8628.2	8540.0	8634.5	9270.7	10295.9	10891.1	10727.4	10527.4	10420.3	10349.4
20°	7447.1	7451.8	7434.5	7598.3	8237.6	9595.1	9555.7	9169.9	9029.8	8971.5
22.5°	6729.0	6702.2	6664.4	6716.4	6888.1	7684.9	8218.7	7864.4	7815.6	7751.0
25°	6025.1	6025.1	5979.4	6031.4	6080.2	6091.2	6626.7	6771.5	6677.0	6677.0
27.5°	5415.6	5384.2	5363.7	5387.3	5322.7	5012.5	5080.2	5821.9	5757.4	5718.0
30°	4810.9	4801.5	4766.8	4798.3	4559.0	4209.4	4067.6	4913.3	4981.0	4966.8
32.5°	3971.6	4009.4	4163.7	4212.5	3803.1	3521.2	3385.8	4078.7	4349.5	4338.5
35°	2699.2	2730.7	2907.0	3489.7	3152.7	2951.1	2911.8	3244.0	3689.7	3732.2
37.5°	2149.6	2144.8	2195.2	2299.2	2533.8	2485.0	2474.0	2560.6	3009.4	3028.3
40°	1771.6	1765.3	1763.7	1678.7	1620.4	2066.1	2036.2	1984.2	2373.2	2411.0
42.5°	1428.3	1434.6	1439.3	1253.5	1168.5	1593.7	1576.3	1522.8	1861.4	1905.5
45°	1121.2	1119.7	1129.1	933.8	910.2	1018.9	1177.9	1135.4	1404.7	1451.9
47.5°	581.1	601.6	729.1	722.8	733.8	722.8	891.3	880.3	1056.7	1132.3
50°	390.5	396.8	407.9	409.4	577.9	532.3	604.7	685.0	740.1	856.7
52.5°	302.4	307.1	278.7	261.4	354.3	393.7	396.8	474.0	516.5	634.6
55°	168.5	189.0	203.1	204.7	195.3	291.3	289.8	351.2	384.2	463.0
57.5°	22.0	26.8	40.9	132.3	130.7	162.2	203.1	255.1	274.0	338.6
60°	1.6	3.1	4.7	20.5	86.6	94.5	138.6	159.1	190.5	237.8
62.5°	0.0	0.0	1.6	4.7	17.3	55.1	72.4	83.5	111.8	155.9
65°	0.0	0.0	1.6	3.1	6.3	20.5	28.3	45.7	66.1	96.1
67.5°	0.0	0.0	1.6	3.1	4.7	7.9	12.6	20.5	34.6	58.3
70°	0.0	0.0	1.6	3.1	4.7	6.3	9.4	12.6	18.9	31.5
72.5°	0.0	0.0	1.6	1.6	3.1	7.9	7.9	9.4	12.6	17.3
75°	0.0	0.0	1.6	3.1	4.7	7.9	7.9	7.9	9.4	11.0
77.5°	0.0	0.0	1.6	3.1	4.7	7.9	6.3	7.9	7.9	7.9
80°	0.0	0.0	1.6	3.1	4.7	7.9	9.4	7.9	6.3	6.3
82.5°	0.0	0.0	1.6	4.7	4.7	11.0	11.0	11.0	4.7	4.7
85°	0.0	0.0	3.1	4.7	7.9	12.6	12.6	9.4	4.7	3.1
87.5°	0.0	0.0	1.6	3.1	3.1	6.3	9.4	7.9	3.1	1.6
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°
14647.0	0°	14647.0	14647.0	14647.0	14647.0	14647.0	14647.0	14647.0	14647.0	14647.0
14510.0	2.5°	14626.5	14587.1	14661.2	14670.6	14639.1	14599.7	14508.4	14500.5	14341.5
14188.7	5°	14349.3	14284.8	14332.0	14363.5	14352.5	14310.0	14272.2	14237.5	14094.2
13667.5	7.5°	13832.8	13809.2	13831.2	13854.9	13900.5	13854.9	13839.1	13802.9	13661.2
13154.1	10°	13259.6	13215.5	13299.0	13287.9	13275.3	13262.8	13196.6	13202.9	13036.0
12454.9	12.5°	12555.7	12481.7	12562.0	12571.4	12562.0	12517.9	12443.9	12475.4	12322.6
11510.0	15°	11609.2	11601.4	11659.6	11697.4	11724.2	11677.0	11651.8	11667.5	11576.2
10294.3	17.5°	10447.1	10549.4	10740.0	10804.5	10806.1	10854.9	10840.7	10821.9	10754.1
8947.9	20°	9080.1	9277.0	9569.9	9870.7	9957.3	9916.4	9897.5	9932.1	9831.3
7683.3	22.5°	7818.8	7987.3	8327.4	8766.8	9020.3	9045.5	9040.8	9010.9	8971.5
6670.7	25°	6747.9	6897.5	7223.5	7625.1	8111.7	8184.1	8187.3	8177.8	8143.2
5752.7	27.5°	5844.0	6025.1	6204.6	6563.7	7081.8	7381.0	7343.2	7332.1	7319.6
4977.9	30°	5025.1	5253.4	5421.9	5645.6	6110.1	6514.8	6554.2	6535.3	6505.4
4336.9	32.5°	4376.3	4511.7	4725.9	4877.1	5210.9	5669.2	5820.4	5806.2	5779.4
3759.0	35°	3812.5	3866.1	4034.6	4203.1	4425.1	4869.2	5092.8	5061.3	5056.6
3062.9	37.5°	3140.1	3319.6	3412.5	3582.6	3738.5	4083.4	4392.0	4377.9	4379.4
2462.9	40°	2535.4	2639.3	2823.6	2966.9	3110.2	3362.1	3705.4	3714.9	3711.7
1907.1	42.5°	1946.4	2047.2	2240.9	2396.8	2524.4	2680.3	3007.8	3018.8	3033.0
1485.0	45°	1519.7	1584.2	1726.0	1888.2	2023.6	2118.1	2366.9	2437.8	2439.3
1151.2	47.5°	1179.5	1253.5	1354.3	1510.2	1642.5	1710.2	1891.3	1987.4	1982.6
883.4	50°	926.0	993.7	1075.6	1198.4	1341.7	1395.3	1529.1	1623.6	1618.9
666.1	52.5°	708.6	795.3	867.7	962.2	1102.3	1148.0	1244.1	1352.7	1337.0
488.2	55°	537.0	625.2	692.9	771.6	899.2	957.5	1023.6	1110.2	1113.4
377.9	57.5°	404.7	496.1	557.5	637.8	733.8	798.4	848.8	941.7	940.1
258.3	60°	289.8	368.5	442.5	526.0	600.0	674.0	708.6	796.8	800.0
182.7	62.5°	209.4	283.5	354.3	426.8	492.9	565.3	596.8	666.1	675.6
119.7	65°	146.5	198.4	280.3	335.4	409.4	463.0	503.9	563.8	574.8
70.9	67.5°	94.5	143.3	222.0	270.9	338.6	384.2	426.8	474.0	488.2
45.7	70°	56.7	108.7	165.4	217.3	278.7	319.7	360.6	401.6	409.4
22.0	72.5°	36.2	75.6	119.7	176.4	223.6	267.7	303.9	333.9	310.2
14.2	75°	20.5	52.0	94.5	138.6	181.1	223.6	253.5	269.3	215.7
9.4	77.5°	12.6	37.8	77.2	111.8	140.2	179.5	198.4	207.9	154.3
6.3	80°	7.9	28.3	64.6	91.3	91.3	132.3	154.3	162.2	111.8
4.7	82.5°	6.3	20.5	50.4	69.3	61.4	99.2	121.3	122.8	78.7
3.1	85°	4.7	15.7	31.5	45.7	42.5	69.3	70.9	78.7	52.0
3.1	87.5°	3.1	9.4	18.9	26.8	23.6	33.1	37.8	42.5	28.3
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



180°
14647.0
14217.1
13979.3
13631.2
12979.3
12278.5
11465.9
10653.3
9758.9
8895.9
8026.6
7245.5
6467.6
5708.6
5004.6
4329.1
3656.6
2985.8
2398.4
1965.3
1618.9
1338.6
1113.4
937.0
792.1
672.4
571.6
486.6
403.1
288.2
204.7
144.9
103.9
72.4
47.2
25.2
0.0

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