

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: P636608

Luminaire Tested: **IFLD-M-SA4B-930-U-66-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636608
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4B-930-U-66-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 6 distribution lens and Visor
Light Source: (64) 3000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11638.4 lumens
Efficiency: N/A
Efficacy: 70.1 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 0.5' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G1

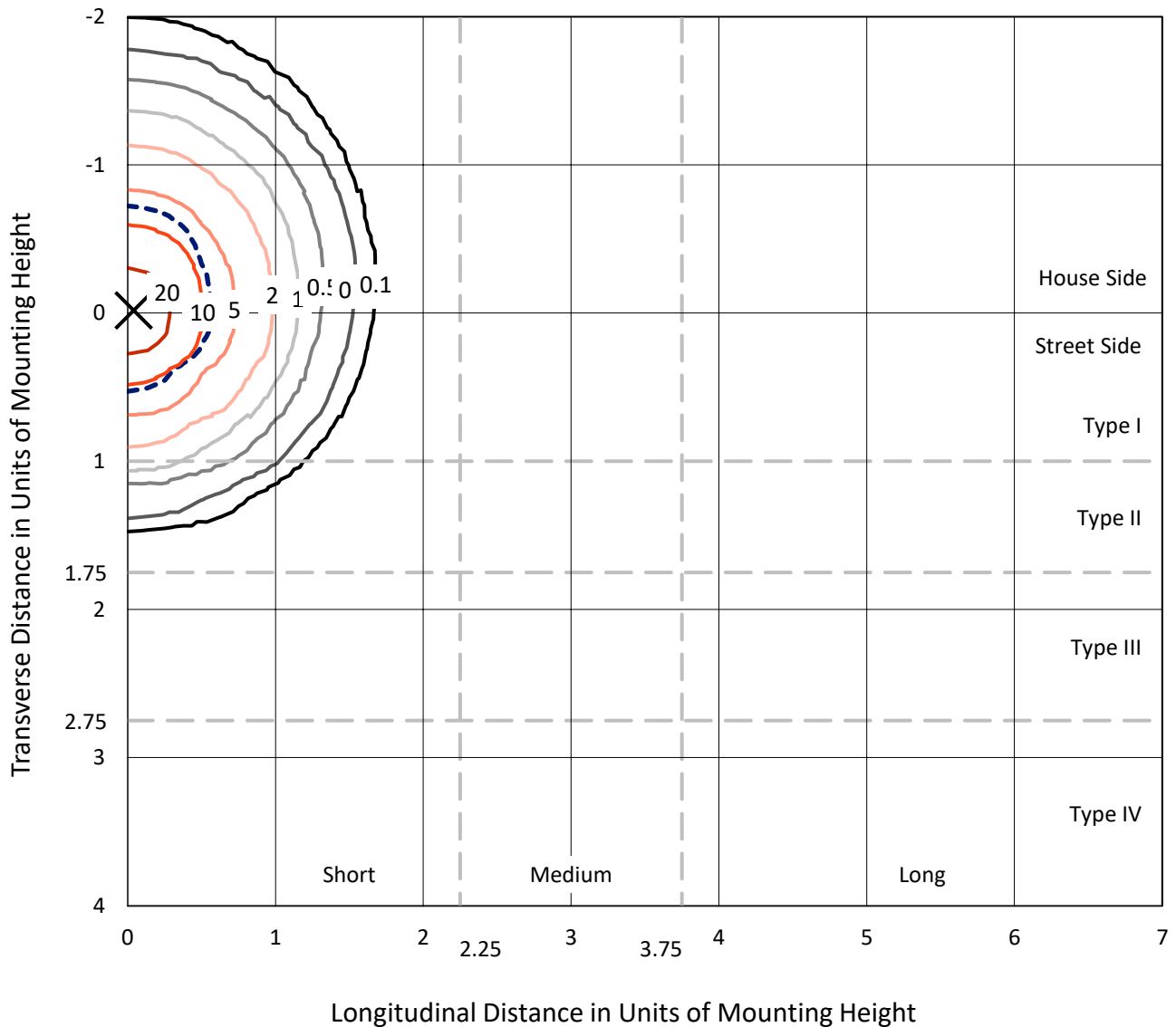
Input Watts (W): 166.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

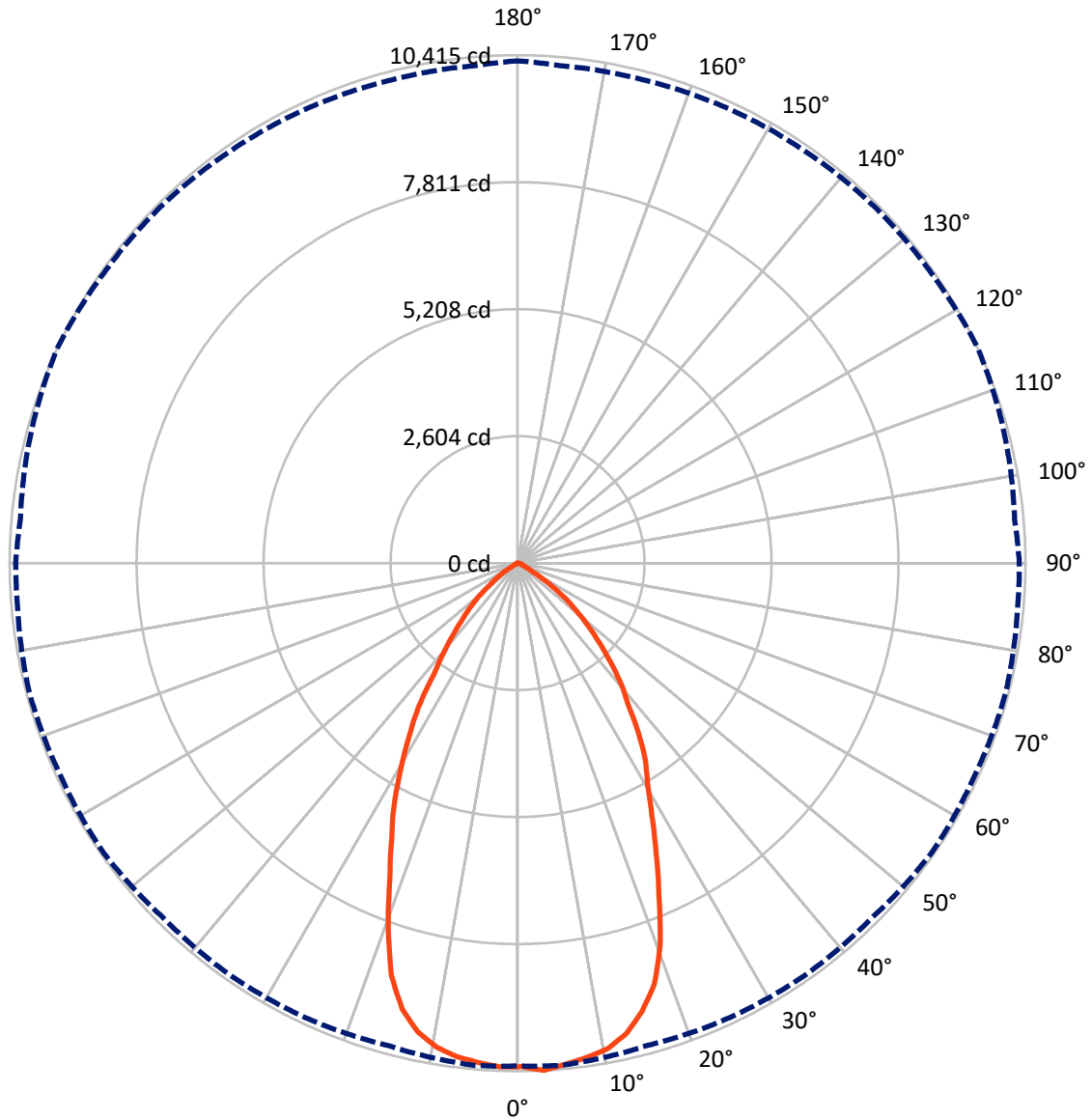
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 25.8 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	6660.5	0.0	6660.5
	% Fixture	57.2	0.0	57.2
Street Side	Lumens	4977.9	0.0	4977.9
	% Fixture	42.8	0.0	42.8
Total	Lumens	11638.4	0.0	11638.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	972.6	8.4
10°-20°	2578.8	22.2
20°-30°	2949.7	25.3
30°-40°	2527.8	21.7
40°-50°	1671.5	14.4
50°-60°	729.3	6.3
60°-70°	143.3	1.2
70°-80°	51.7	0.4
80°-90°	13.7	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°	11638.4	100.0
0°-180°	11638.4	100.0



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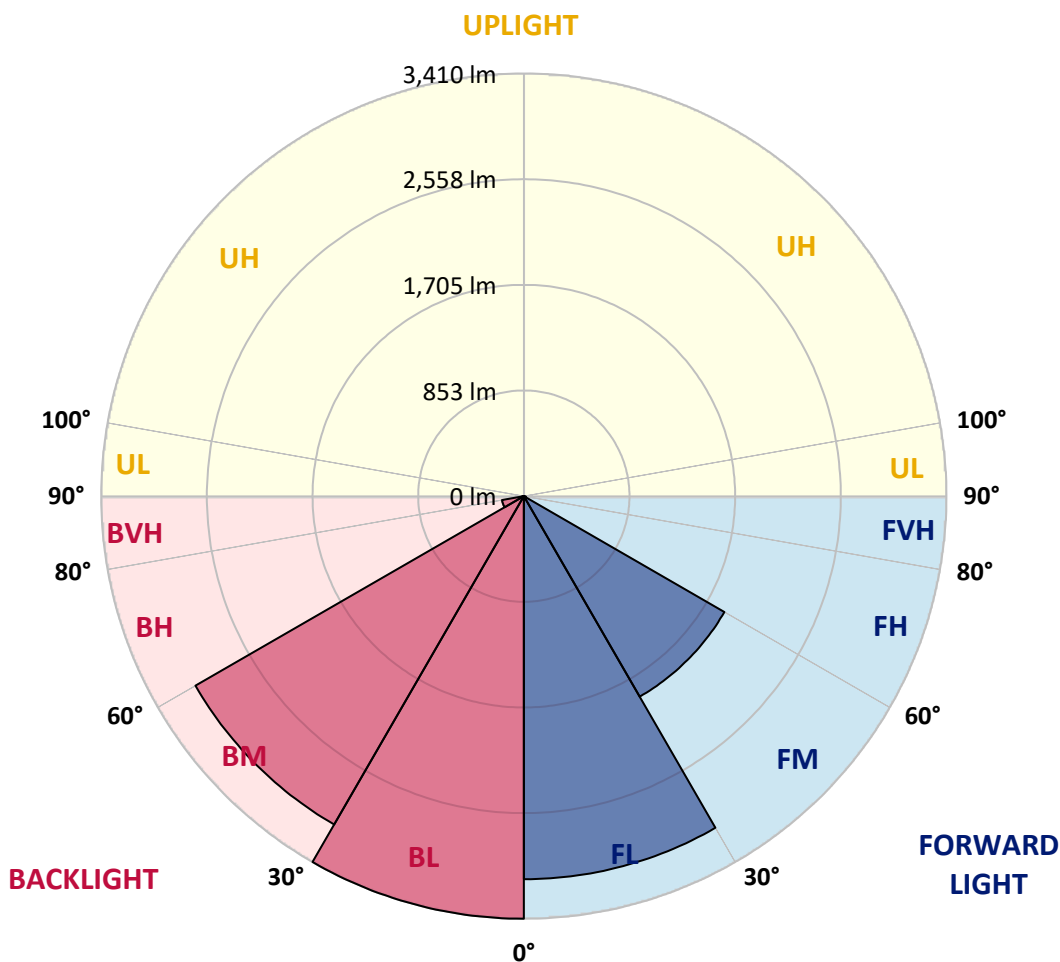
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3090.9	26.6			
FM (30°-60°)	1868.9	16.1			
FH (60°-80°)	15.8	0.1			G0/660
FVH (80°-90°)	2.3	0.0			G0/10
BL (0°-30°)	3410.2	29.3	B4/5000		
BM (30°-60°)	3059.7	26.3	B3/5000		
BH (60°-80°)	179.2	1.5	B1/500		G1/500
BVH (80°-90°)	11.5	0.1			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°	10326.2	10326.2	10326.2	10326.2	10326.2	10326.2	10326.2	10326.2	10326.2	10326.2
2.5°	10311.3	10336.1	10242.1	10284.1	10301.5	10279.2	10360.8	10336.1	10355.9	10294.0
5°	10311.3	10336.1	10227.2	10247.0	10252.0	10209.9	10299.0	10269.3	10271.8	10207.4
7.5°	10247.0	10276.7	10177.8	10192.6	10195.1	10160.4	10237.1	10195.1	10180.2	10113.4
10°	10073.9	10091.2	10002.1	10039.2	10073.9	10041.7	10108.5	10061.5	10061.5	10002.1
12.5°	9799.2	9831.4	9732.4	9777.0	9806.7	9769.6	9846.2	9828.9	9831.4	9772.0
15°	9299.5	9188.2	9306.9	9396.0	9398.5	9391.0	9462.8	9445.5	9457.8	9368.8
17.5°	6870.1	6842.9	6981.4	8032.9	8814.6	8921.0	8933.4	8839.4	8797.3	8710.7
20°	6365.4	6385.2	6355.5	6360.5	6976.5	8255.5	8178.8	7946.3	7839.9	7753.3
22.5°	5996.8	5964.6	5944.9	5932.5	5949.8	6783.5	7335.2	6983.9	6927.0	6885.0
25°	5596.0	5581.2	5556.5	5551.5	5541.6	5400.6	6194.7	6226.9	6135.4	6083.4
27.5°	5222.5	5212.6	5185.4	5182.9	5069.1	4727.7	4814.3	5578.7	5554.0	5534.2
30°	4824.2	4804.4	4789.5	4789.5	4445.7	4094.4	3953.3	4863.8	4863.8	4846.4
32.5°	4391.2	4373.9	4378.9	4319.5	3908.8	3587.2	3364.5	4198.3	4458.0	4443.2
35°	2684.2	2679.3	3181.5	3842.0	3359.6	3067.7	3052.8	3592.1	3970.7	4010.2
37.5°	2389.8	2375.0	2382.4	2424.5	2877.2	2760.9	2756.0	2847.5	3379.4	3399.2
40°	2144.9	2135.0	2127.6	1976.7	1833.2	2464.0	2446.7	2387.3	2887.1	2921.7
42.5°	1912.3	1902.5	1902.5	1689.7	1457.1	2026.2	2033.6	1964.3	2434.3	2446.7
45°	1672.4	1665.0	1622.9	1348.3	1281.5	1345.8	1684.7	1605.6	1932.1	2060.8
47.5°	789.2	784.2	1135.5	1120.7	1115.7	1076.2	1286.4	1331.0	1533.8	1662.5
50°	633.3	628.4	598.7	526.9	917.8	816.4	927.7	1024.2	1088.5	1207.3
52.5°	524.5	519.5	457.7	405.7	509.6	596.2	554.2	685.3	682.8	811.4
55°	343.9	319.1	351.3	331.5	267.2	432.9	423.0	519.5	507.2	618.5
57.5°	7.4	7.4	17.3	188.0	168.2	183.1	242.4	296.9	334.0	366.1
60°	2.5	2.5	4.9	9.9	69.3	76.7	94.0	108.9	153.4	190.5
62.5°	0.0	0.0	2.5	4.9	9.9	39.6	44.5	52.0	71.7	99.0
65°	0.0	0.0	0.0	2.5	4.9	9.9	14.8	32.2	44.5	56.9
67.5°	0.0	0.0	0.0	2.5	2.5	4.9	9.9	14.8	19.8	39.6
70°	0.0	0.0	0.0	2.5	2.5	4.9	7.4	9.9	14.8	19.8
72.5°	0.0	0.0	0.0	2.5	2.5	7.4	4.9	7.4	9.9	12.4
75°	0.0	0.0	0.0	2.5	2.5	2.5	4.9	7.4	7.4	9.9
77.5°	0.0	0.0	0.0	2.5	4.9	4.9	4.9	4.9	4.9	7.4
80°	0.0	0.0	0.0	2.5	2.5	4.9	7.4	9.9	4.9	4.9
82.5°	0.0	0.0	0.0	4.9	2.5	9.9	14.8	12.4	4.9	2.5
85°	0.0	0.0	0.0	2.5	9.9	12.4	12.4	7.4	2.5	2.5
87.5°	0.0	0.0	0.0	2.5	2.5	4.9	7.4	7.4	2.5	2.5
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°
10326.2	0°	10326.2	10326.2	10326.2	10326.2	10326.2	10326.2	10326.2	10326.2	10326.2
10289.1	2.5°	10232.2	10328.7	10415.3	10360.8	10341.0	10301.5	10271.8	10239.6	10237.1
10200.0	5°	10143.1	10234.7	10318.8	10254.4	10259.4	10239.6	10219.8	10212.4	10217.3
10108.5	7.5°	10066.4	10143.1	10234.7	10180.2	10195.1	10182.7	10172.8	10158.0	10180.2
9989.7	10°	9950.2	10019.4	10125.8	10073.9	10066.4	10054.1	10044.2	10017.0	10029.3
9774.5	12.5°	9695.3	9781.9	9903.1	9843.8	9863.6	9828.9	9814.1	9796.8	9799.2
9400.9	15°	9349.0	9415.8	9539.5	9492.5	9507.3	9485.1	9485.1	9485.1	9502.4
8723.1	17.5°	8745.3	8881.4	9076.9	9017.5	9039.7	9044.7	9039.7	9057.1	9079.3
7758.3	20°	7763.2	7995.7	8352.0	8468.3	8515.3	8517.7	8483.1	8525.2	8569.7
6855.3	22.5°	6860.2	7105.1	7419.3	7738.5	7936.4	7926.5	7931.4	7958.6	8005.6
6051.2	25°	6078.5	6313.5	6598.0	6882.5	7315.4	7404.5	7407.0	7431.7	7468.8
5502.0	27.5°	5514.4	5605.9	5865.7	6152.7	6617.8	6902.3	6887.4	6909.7	6949.3
4814.3	30°	4834.1	5185.4	5244.7	5420.4	5821.2	6343.2	6345.6	6370.4	6410.0
4408.5	32.5°	4396.2	4628.7	4811.8	4816.7	5158.1	5695.0	5801.4	5826.1	5853.3
3988.0	35°	3985.5	4012.7	4260.1	4329.4	4527.3	5059.2	5247.2	5262.1	5306.6
3391.8	37.5°	3448.7	3609.5	3678.7	3926.1	3936.0	4366.5	4740.1	4725.2	4759.8
2919.2	40°	2956.3	3109.7	3285.4	3466.0	3490.7	3812.3	4225.5	4240.3	4255.2
2422.0	42.5°	2441.8	2637.2	2817.8	2939.0	3107.3	3292.8	3686.2	3755.4	3790.1
2075.6	45°	2112.7	2167.2	2382.4	2560.5	2731.2	2817.8	3186.4	3312.6	3334.9
1642.7	47.5°	1665.0	1848.0	1994.0	2144.9	2357.7	2434.3	2701.5	2877.2	2894.5
1219.6	50°	1286.4	1417.6	1618.0	1754.0	2001.4	2043.5	2226.5	2454.1	2476.4
816.4	52.5°	920.3	1098.4	1293.9	1425.0	1662.5	1716.9	1853.0	2070.7	2085.5
625.9	55°	660.5	776.8	937.6	1125.6	1298.8	1420.0	1514.0	1721.9	1741.6
410.7	57.5°	450.3	559.1	625.9	813.9	917.8	1048.9	1125.6	1284.0	1298.8
195.4	60°	215.2	267.2	319.1	413.1	479.9	591.3	640.7	705.1	722.4
118.7	62.5°	138.5	163.3	207.8	247.4	311.7	381.0	400.8	455.2	475.0
74.2	65°	91.5	116.3	163.3	173.2	237.5	291.9	316.7	356.2	378.5
44.5	67.5°	52.0	81.6	121.2	143.5	188.0	240.0	267.2	301.8	321.6
29.7	70°	34.6	66.8	96.5	118.7	148.4	193.0	227.6	257.3	269.7
14.8	72.5°	19.8	42.1	66.8	94.0	118.7	160.8	193.0	217.7	143.5
9.9	75°	12.4	32.2	56.9	79.2	99.0	128.6	155.9	153.4	64.3
7.4	77.5°	9.9	24.7	49.5	66.8	81.6	89.1	111.3	126.2	49.5
4.9	80°	7.4	19.8	44.5	56.9	32.2	64.3	86.6	94.0	34.6
4.9	82.5°	4.9	12.4	37.1	39.6	22.3	47.0	69.3	61.8	24.7
2.5	85°	2.5	7.4	12.4	22.3	19.8	22.3	17.3	24.7	17.3
2.5	87.5°	2.5	4.9	9.9	9.9	9.9	7.4	9.9	9.9	9.9
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



180°
10326.2
10296.5
10279.2
10242.1
10088.7
9871.0
9509.8
9153.5
8599.4
8013.1
7533.1
6986.4
6479.2
5915.2
5353.6
4801.9
4302.2
3839.5
3389.3
2936.6
2508.6
2112.7
1759.0
1328.5
742.2
479.9
378.5
319.1
267.2
116.3
64.3
49.5
37.1
24.7
17.3
9.9
0.0

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