

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: P638330

Luminaire Tested: **IFLD-L-SA8C-722-U-LAM-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P638330
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8C-722-U-LAM-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/
Lambertian distribution lens and Visor
Light Source: (128) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27505.5 lumens
Efficiency: N/A
Efficacy: 65.4 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G3

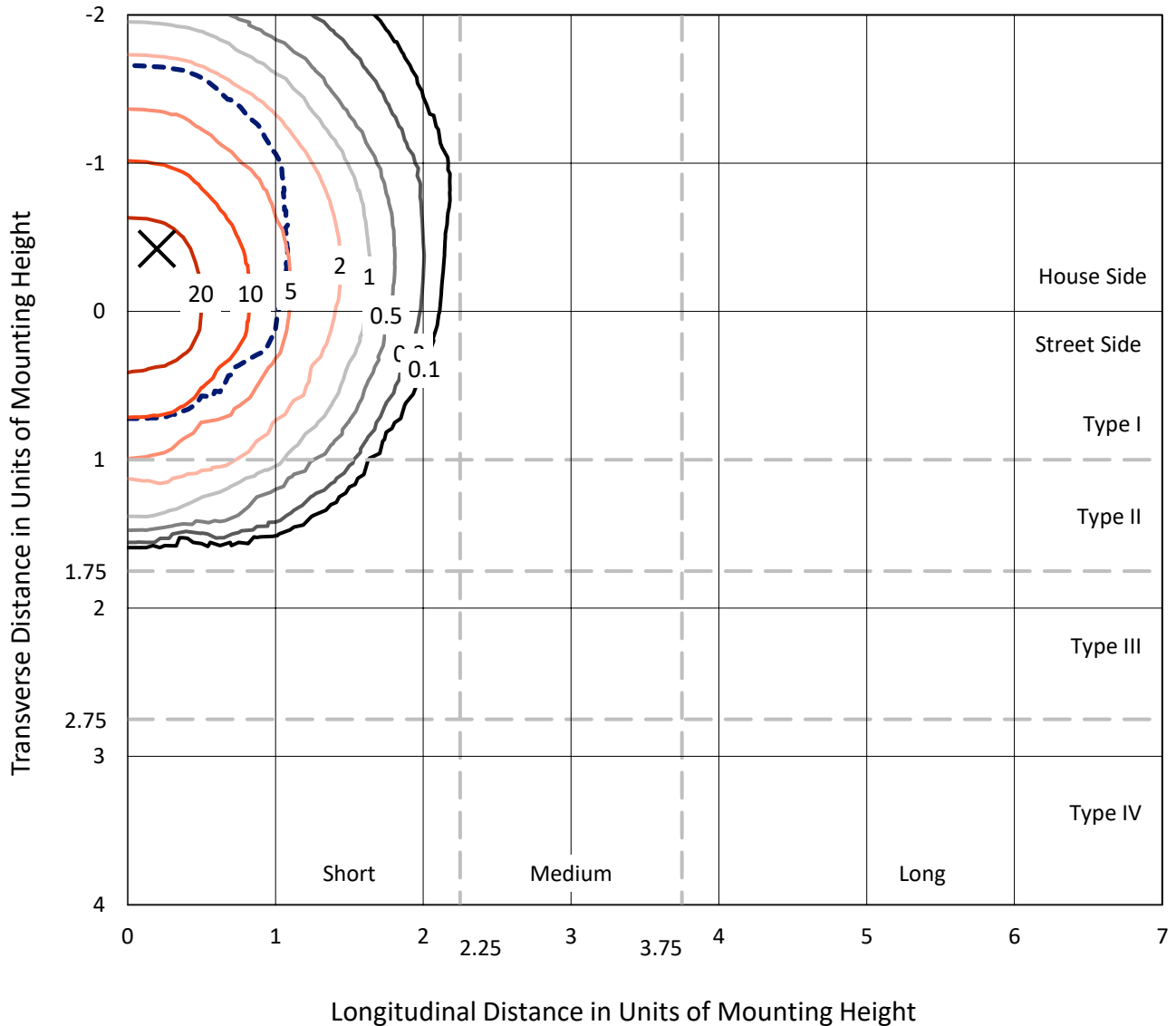
Input Watts (W): 420.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

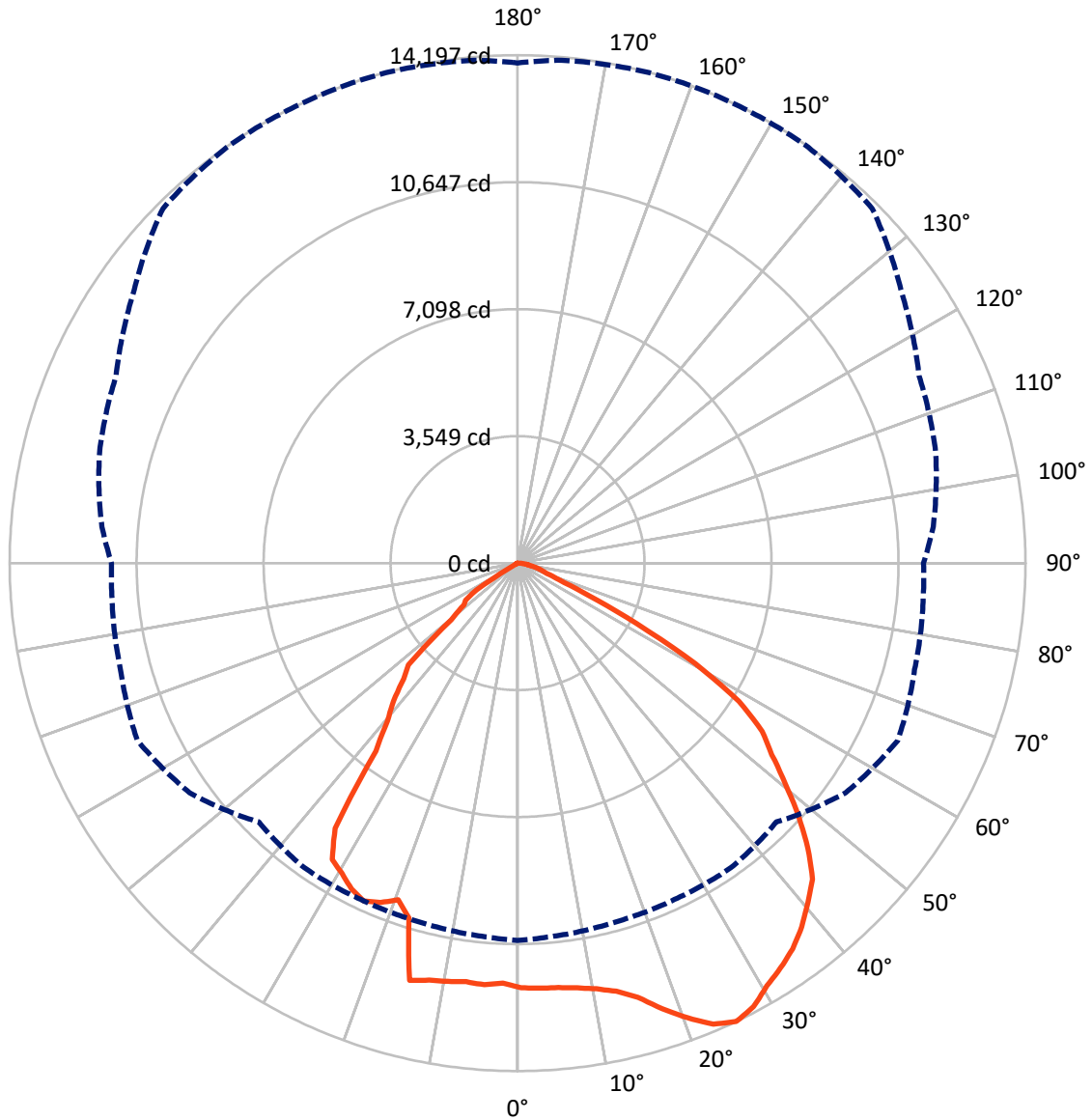
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 29.7 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	17028.7	0.0	17028.7
	% Fixture	61.9	0.0	61.9
Street Side	Lumens	10476.8	0.0	10476.8
	% Fixture	38.1	0.0	38.1
Total	Lumens	27505.5	0.0	27505.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1138.6	4.1
10°-20°	3476.6	12.6
20°-30°	5496.4	20.0
30°-40°	6208.6	22.6
40°-50°	5814.5	21.1
50°-60°	4008.7	14.6
60°-70°	1077.0	3.9
70°-80°	224.4	0.8
80°-90°	60.7	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°	27505.5	100.0
0°-180°	27505.5	100.0



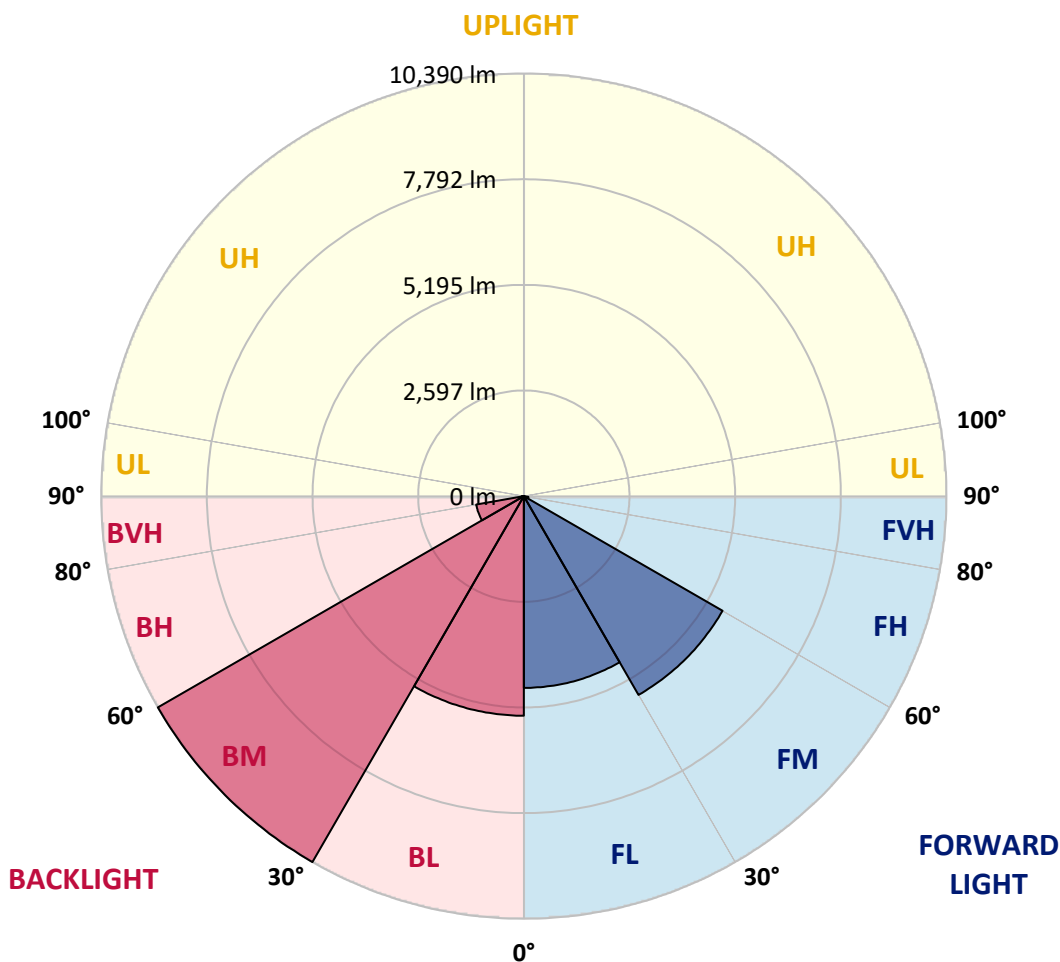
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4713.6	17.1			
FM (30°-60°)	5642.0	20.5			
FH (60°-80°)	113.1	0.4			G0/660
FVH (80°-90°)	8.1	0.0			G0/10
BL (0°-30°)	5398.0	19.6	B5		
BM (30°-60°)	10389.8	37.8	B5		
BH (60°-80°)	1188.4	4.3	B3/2500		G3/2500
BVH (80°-90°)	52.6	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G3

Type I Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	11868.1	11868.1	11868.1	11868.1	11868.1	11868.1	11868.1	11868.1	11868.1	11868.1
2.5°	11920.7	11843.9	11771.1	11746.9	11847.9	11957.1	11888.4	11892.4	11868.1	11912.6
5°	12009.6	11904.5	11856.0	11819.6	11835.8	11949.0	11852.0	11888.4	11847.9	11900.5
7.5°	11977.3	11904.5	11856.0	11787.3	11839.9	11973.2	11880.3	11884.3	11864.1	11912.6
10°	11957.1	11904.5	11843.9	11852.0	11912.6	12025.8	11953.0	11993.5	11965.2	11993.5
12.5°	12005.6	11949.0	11916.7	11916.7	11969.2	12098.6	12062.2	12098.6	12086.4	12110.7
15°	11548.8	11601.4	11908.6	12046.0	12151.1	12280.5	12264.3	12300.7	12308.8	12345.1
17.5°	9741.9	9689.4	9665.1	10372.5	12252.2	12652.3	12640.2	12636.2	12595.8	12567.5
20°	9980.4	9960.2	9931.9	9984.4	10194.6	12846.4	12927.2	12430.0	12284.5	12272.4
22.5°	10360.4	10328.0	10222.9	10227.0	10291.7	11168.8	12527.0	12074.3	12025.8	11997.5
25°	10546.3	10481.6	10396.8	10372.5	10392.7	10231.0	11189.0	11726.7	11488.2	11379.0
27.5°	10218.9	10222.9	10154.2	10218.9	10142.1	9414.5	9006.2	11047.6	11039.5	10991.0
30°	9972.3	9960.2	9879.3	9960.2	9430.6	8618.1	8444.3	10303.8	10218.9	10154.2
32.5°	9216.4	9224.5	9458.9	9774.2	8905.2	8262.4	7736.9	9204.3	10008.7	9972.3
35°	6593.0	6609.1	7441.8	8998.1	8108.8	7555.0	7514.6	7955.2	9677.2	9693.4
37.5°	6346.4	6346.4	6326.2	6580.8	7482.3	7268.0	7348.9	7304.4	8864.7	8905.2
40°	6168.5	6132.1	6103.8	5703.7	5202.4	7065.9	7122.5	6920.4	8379.7	8387.7
42.5°	5954.3	5913.9	5921.9	5182.2	4656.7	6564.7	6407.0	6136.2	7571.2	7579.3
45°	5562.2	5630.9	5679.4	4535.4	4495.0	4689.0	5909.8	5740.0	7025.5	7175.1
47.5°	2829.6	2890.2	4434.4	4171.6	4264.6	4167.6	4992.2	4996.3	5845.1	6342.3
50°	2566.9	2550.7	2554.7	2433.5	3937.2	3371.3	3609.8	4579.9	4681.0	5392.4
52.5°	2393.0	2389.0	2142.4	1903.9	2473.9	2967.0	2619.4	3314.7	3480.4	4567.8
55°	1770.5	1899.9	1689.7	1790.7	1548.2	2376.9	2364.7	2991.3	3047.9	3662.3
57.5°	16.2	20.2	48.5	1362.2	1071.2	1188.4	1633.1	2041.4	2142.4	2853.9
60°	4.0	8.1	20.2	40.4	695.3	731.7	1091.4	1180.3	1329.9	1701.8
62.5°	0.0	0.0	8.1	20.2	36.4	299.1	347.6	380.0	586.1	869.1
65°	0.0	0.0	4.0	12.1	20.2	48.5	84.9	177.9	254.7	315.3
67.5°	0.0	0.0	4.0	8.1	16.2	24.3	48.5	68.7	109.1	185.9
70°	0.0	0.0	4.0	8.1	12.1	20.2	32.3	48.5	64.7	93.0
72.5°	0.0	0.0	4.0	8.1	8.1	24.3	24.3	36.4	48.5	60.6
75°	0.0	0.0	4.0	4.0	8.1	16.2	24.3	28.3	32.3	48.5
77.5°	0.0	0.0	4.0	8.1	12.1	16.2	20.2	32.3	28.3	28.3
80°	0.0	0.0	4.0	12.1	12.1	20.2	24.3	32.3	20.2	20.2
82.5°	0.0	0.0	4.0	16.2	12.1	40.4	40.4	44.5	16.2	16.2
85°	0.0	0.0	12.1	8.1	24.3	40.4	36.4	24.3	20.2	12.1
87.5°	0.0	0.0	4.0	4.0	8.1	12.1	28.3	24.3	8.1	8.1
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°
11868.1	0°	11868.1	11868.1	11868.1	11868.1	11868.1	11868.1	11868.1	11868.1	11868.1
11795.4	2.5°	11957.1	11904.5	12013.7	12001.5	11949.0	11924.7	11896.4	11872.2	11694.3
11803.5	5°	11961.1	11880.3	12013.7	11989.4	11981.3	11940.9	11916.7	11953.0	11791.3
11835.8	7.5°	11961.1	11880.3	12025.8	12033.9	12021.8	11989.4	11985.4	12009.6	11876.2
11892.4	10°	12042.0	12009.6	12130.9	12143.0	12126.9	12118.8	12098.6	12082.4	11940.9
12086.4	12.5°	12211.7	12147.1	12284.5	12320.9	12308.8	12329.0	12280.5	12304.7	12159.2
12284.5	15°	12417.9	12421.9	12527.0	12607.9	12599.8	12664.5	12591.7	12656.4	12551.3
12510.9	17.5°	12733.2	12777.7	12927.2	13048.5	13093.0	13141.5	13093.0	13113.2	12963.6
12260.2	20°	12401.7	12567.5	13287.0	13509.3	13602.3	13646.8	13565.9	13590.2	13440.6
11953.0	22.5°	12102.6	12316.8	12955.5	13650.8	13937.8	14026.7	13998.4	13994.4	13937.8
11346.7	25°	11662.0	12094.5	12381.5	13117.2	14018.6	14180.3	14196.5	14192.5	14107.6
10974.8	27.5°	11120.3	11217.3	11961.1	12409.8	13452.7	14067.1	14042.9	13925.7	13812.5
10202.7	30°	10429.1	10869.7	11205.2	11920.7	12721.1	13719.5	13719.5	13630.6	13513.4
9927.8	32.5°	10077.4	10647.4	10958.6	11217.3	11900.5	13331.5	13493.1	13400.2	13307.2
9713.6	35°	9891.5	9976.4	10704.0	10938.4	11516.5	12583.6	13238.5	13145.5	13076.8
9143.6	37.5°	9483.2	9681.3	10020.8	10647.4	10825.2	11973.2	12898.9	12850.4	12769.6
8403.9	40°	8573.7	9103.2	9624.7	10218.9	10404.8	11189.0	12486.6	12506.8	12397.7
7615.7	42.5°	8036.1	8395.8	9212.4	9612.6	10113.8	10683.8	12086.4	12118.8	12042.0
7215.5	45°	7405.5	7805.7	8379.7	9107.3	9790.4	9988.5	11379.0	11718.6	11653.9
6419.1	47.5°	6827.4	7150.8	7854.2	8589.9	9345.8	9317.5	10566.5	11205.2	11116.3
5808.8	50°	6006.8	6572.8	6904.2	7579.3	8707.1	8783.9	9701.5	10602.9	10530.2
4935.6	52.5°	5065.0	5776.4	6411.1	7029.5	8060.3	8242.2	8897.1	9988.5	9940.0
3771.5	55°	4426.3	4943.7	5659.2	6156.4	7276.1	7761.2	8294.8	9402.4	9378.1
3100.4	57.5°	3148.9	4147.4	4737.6	5432.8	6023.0	6900.2	7296.3	8209.9	7983.5
1718.0	60°	2134.3	2603.2	3322.8	4070.6	4466.7	5343.9	5711.7	6443.4	6382.8
1026.7	62.5°	1127.8	1560.3	2073.7	2449.6	2736.6	3589.5	3743.2	4531.4	4511.2
412.3	65°	497.2	658.9	1123.8	1317.8	1612.9	2009.0	2142.4	2425.4	2356.7
202.1	67.5°	258.7	392.1	634.6	780.2	982.3	1131.8	1241.0	1329.9	1386.5
133.4	70°	157.6	287.0	392.1	541.7	675.1	796.3	881.2	1002.5	1075.2
68.7	72.5°	117.2	181.9	270.8	416.4	489.1	630.6	715.5	804.4	869.1
56.6	75°	64.7	121.3	218.3	327.4	392.1	513.4	590.2	650.8	671.0
32.3	77.5°	40.4	93.0	181.9	254.7	307.2	416.4	396.1	452.7	501.2
24.3	80°	28.3	68.7	141.5	210.2	214.2	266.8	315.3	363.8	396.1
16.2	82.5°	20.2	56.6	105.1	161.7	141.5	206.2	246.6	283.0	206.2
12.1	85°	16.2	40.4	52.5	97.0	80.8	145.5	125.3	121.3	80.8
8.1	87.5°	12.1	20.2	36.4	44.5	32.3	32.3	40.4	48.5	40.4
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



180°
11868.1
11573.1
11653.9
11722.6
11823.7
12029.8
12377.5
12834.3
13335.5
13755.9
13978.2
13723.6
13468.9
13230.4
12979.8
12688.7
12373.4
12033.9
11662.0
11181.0
10542.3
9972.3
9406.4
7959.3
6386.8
4515.2
2328.4
1386.5
1079.3
881.2
658.9
509.3
400.2
149.6
80.8
40.4
0.0

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