

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: P636645

Luminaire Tested: **IFLD-L-SA7E-935-U-66-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636645
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7E-935-U-66-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 6 distribution lens and Visor
Light Source: (112) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29844.9 lumens
Efficiency: N/A
Efficacy: 56.0 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G1

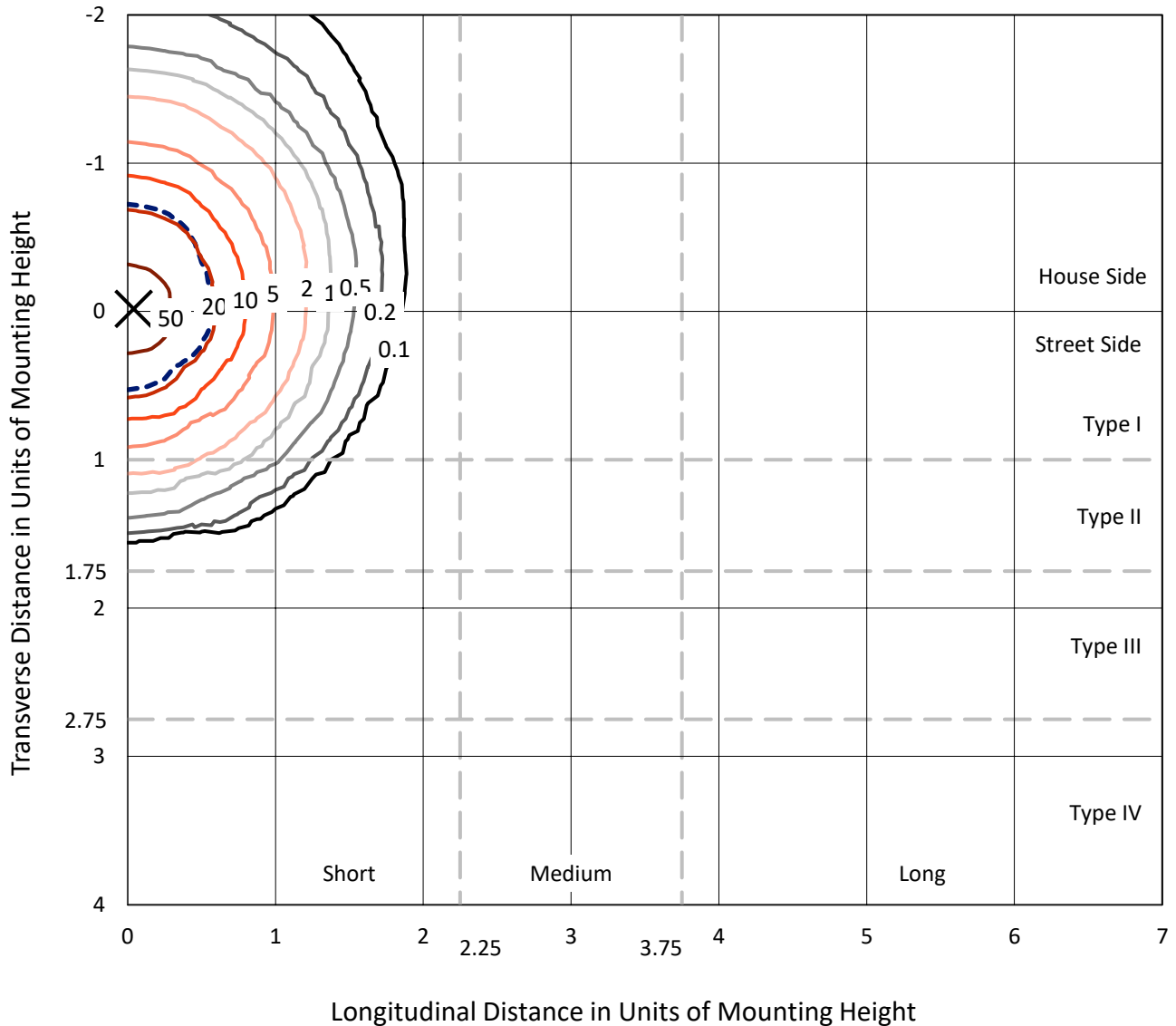
Input Watts (W): 532.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

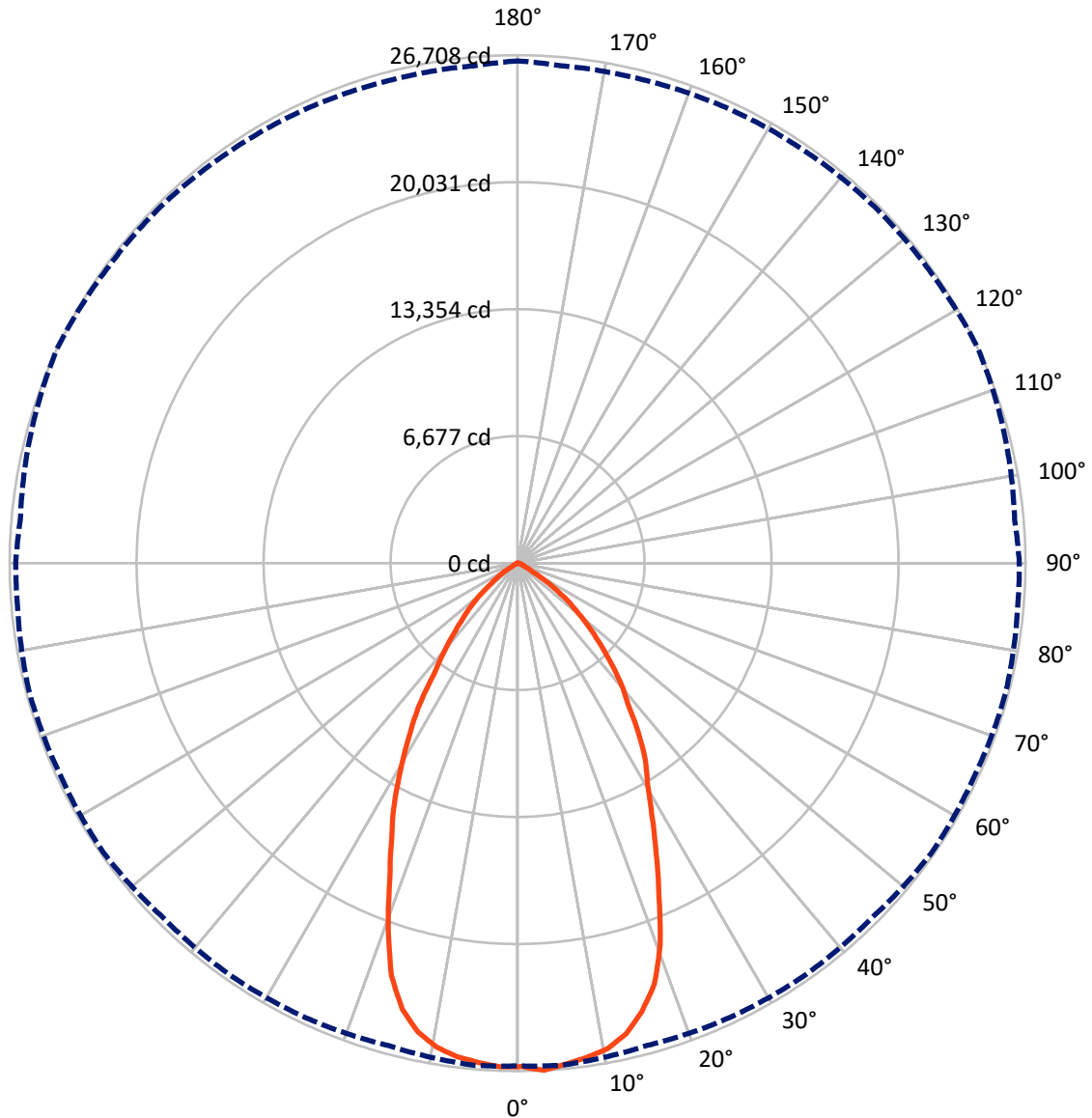
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 66.2 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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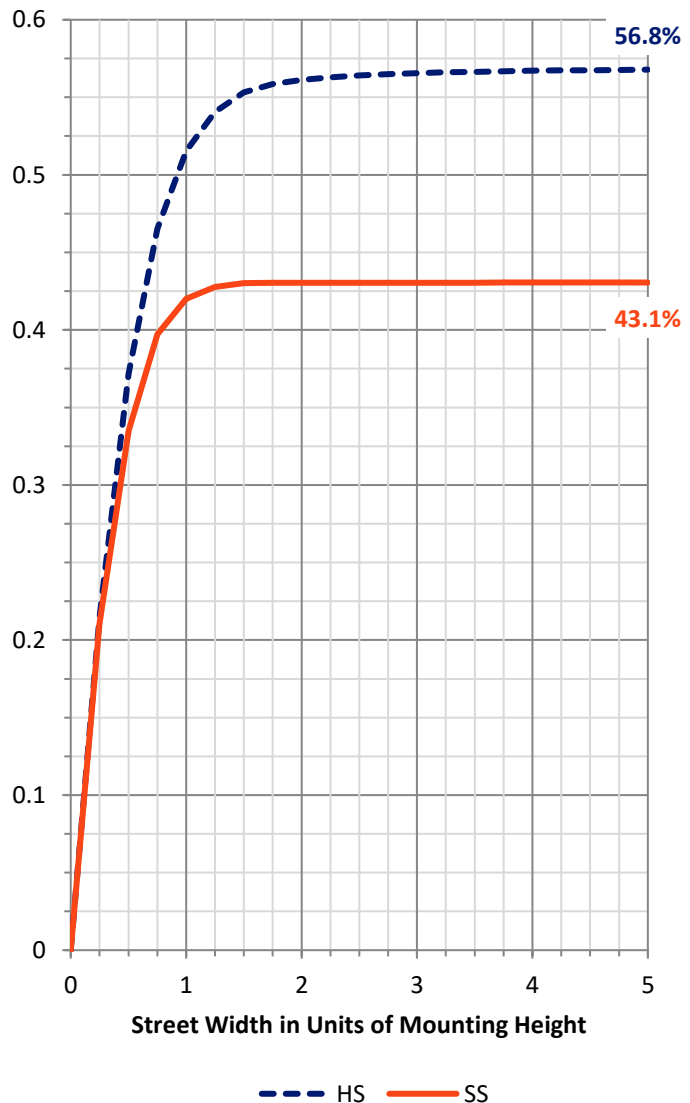
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	17079.9	0.0	17079.9
	% Fixture	57.2	0.0	57.2
Street Side	Lumens	12765.1	0.0	12765.1
	% Fixture	42.8	0.0	42.8
Total	Lumens	29844.9	0.0	29844.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2494.1	8.4
10°-20°	6613.0	22.2
20°-30°	7563.9	25.3
30°-40°	6482.1	21.7
40°-50°	4286.2	14.4
50°-60°	1870.3	6.3
60°-70°	367.5	1.2
70°-80°	132.6	0.4
80°-90°	35.3	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°	29844.9	100.0
0°-180°	29844.9	100.0



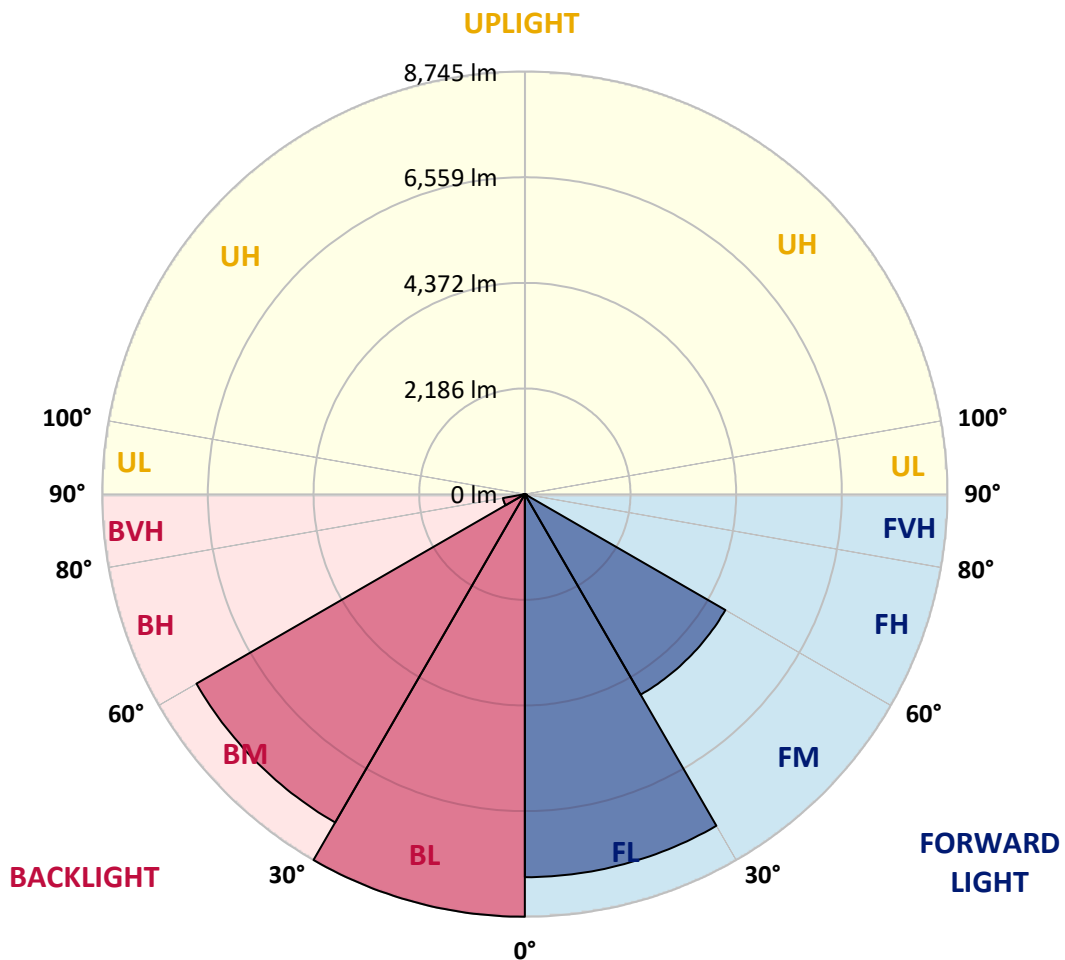
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	7926.2	26.6			
FM (30°-60°)	4792.5	16.1			
FH (60°-80°)	40.6	0.1			G0/660
FVH (80°-90°)	5.8	0.0			G0/10
BL (0°-30°)	8744.9	29.3	B5		
BM (30°-60°)	7846.1	26.3	B4/8500		
BH (60°-80°)	459.5	1.5	B1/500		G1/500
BVH (80°-90°)	29.4	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G1

Type I Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	26480.0	26480.0	26480.0	26480.0	26480.0	26480.0	26480.0	26480.0	26480.0	26480.0
2.5°	26441.9	26505.4	26264.3	26372.1	26416.5	26359.5	26568.8	26505.4	26556.1	26397.5
5°	26441.9	26505.4	26226.2	26277.0	26289.7	26181.8	26410.2	26334.1	26340.4	26175.5
7.5°	26277.0	26353.1	26099.3	26137.4	26143.8	26054.9	26251.6	26143.8	26105.7	25934.4
10°	25832.9	25877.3	25648.9	25744.1	25832.9	25750.4	25921.7	25801.2	25801.2	25648.9
12.5°	25128.7	25211.2	24957.4	25071.6	25147.7	25052.6	25249.2	25204.8	25211.2	25058.9
15°	23847.2	23561.7	23866.2	24094.6	24101.0	24081.9	24265.9	24221.5	24253.2	24024.8
17.5°	17617.4	17547.6	17902.9	20599.1	22603.8	22876.6	22908.3	22667.2	22559.4	22337.3
20°	16323.2	16373.9	16297.8	16310.5	17890.2	21170.0	20973.4	20377.0	20104.2	19882.2
22.5°	15377.9	15295.5	15244.7	15213.0	15257.4	17395.3	18810.1	17909.2	17763.3	17655.4
25°	14350.2	14312.1	14248.7	14236.0	14210.6	13849.0	15885.5	15967.9	15733.2	15600.0
27.5°	13392.3	13366.9	13297.1	13290.7	12998.9	12123.4	12345.5	14305.8	14242.4	14191.6
30°	12370.9	12320.1	12282.0	12282.0	11400.2	10499.4	10137.8	12472.4	12472.4	12428.0
32.5°	11260.7	11216.2	11228.9	11076.7	10023.6	9198.8	8627.9	10765.8	11431.9	11393.9
35°	6883.3	6870.6	8158.4	9852.3	8615.2	7866.6	7828.5	9211.5	10182.2	10283.7
37.5°	6128.3	6090.3	6109.3	6217.2	7378.1	7079.9	7067.3	7302.0	8665.9	8716.7
40°	5500.3	5474.9	5455.9	5068.9	4700.9	6318.7	6274.2	6122.0	7403.5	7492.3
42.5°	4903.9	4878.6	4878.6	4333.0	3736.6	5195.8	5214.8	5037.2	6242.5	6274.2
45°	4288.6	4269.5	4161.7	3457.5	3286.2	3451.2	4320.3	4117.3	4954.7	5284.6
47.5°	2023.7	2011.1	2911.9	2873.8	2861.2	2759.7	3298.9	3413.1	3933.3	4263.2
50°	1624.1	1611.4	1535.3	1351.3	2353.6	2093.5	2379.0	2626.4	2791.4	3095.9
52.5°	1344.9	1332.2	1173.6	1040.4	1306.9	1528.9	1421.1	1757.3	1751.0	2080.8
55°	881.8	818.4	900.9	850.1	685.2	1110.2	1084.8	1332.2	1300.5	1586.0
57.5°	19.0	19.0	44.4	482.1	431.4	469.5	621.7	761.3	856.4	938.9
60°	6.3	6.3	12.7	25.4	177.6	196.7	241.1	279.1	393.3	488.5
62.5°	0.0	0.0	6.3	12.7	25.4	101.5	114.2	133.2	184.0	253.8
65°	0.0	0.0	0.0	6.3	12.7	25.4	38.1	82.5	114.2	145.9
67.5°	0.0	0.0	0.0	6.3	6.3	12.7	25.4	38.1	50.8	101.5
70°	0.0	0.0	0.0	6.3	6.3	12.7	19.0	25.4	38.1	50.8
72.5°	0.0	0.0	0.0	6.3	6.3	19.0	12.7	19.0	25.4	31.7
75°	0.0	0.0	0.0	6.3	6.3	6.3	12.7	19.0	19.0	25.4
77.5°	0.0	0.0	0.0	6.3	12.7	12.7	12.7	12.7	12.7	19.0
80°	0.0	0.0	0.0	6.3	6.3	12.7	19.0	25.4	12.7	12.7
82.5°	0.0	0.0	0.0	12.7	6.3	25.4	38.1	31.7	12.7	6.3
85°	0.0	0.0	0.0	6.3	25.4	31.7	31.7	19.0	6.3	6.3
87.5°	0.0	0.0	0.0	6.3	6.3	12.7	19.0	19.0	6.3	6.3
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°
26480.0	0°	26480.0	26480.0	26480.0	26480.0	26480.0	26480.0	26480.0	26480.0	26480.0
26384.8	2.5°	26238.9	26486.3	26708.4	26568.8	26518.1	26416.5	26340.4	26257.9	26251.6
26156.4	5°	26010.5	26245.3	26461.0	26296.0	26308.7	26257.9	26207.2	26188.2	26200.9
25921.7	7.5°	25813.9	26010.5	26245.3	26105.7	26143.8	26112.0	26086.7	26048.6	26105.7
25617.2	10°	25515.7	25693.3	25966.1	25832.9	25813.9	25782.1	25756.8	25687.0	25718.7
25065.3	12.5°	24862.3	25084.3	25395.2	25242.9	25293.7	25204.8	25166.8	25122.4	25128.7
24107.3	15°	23974.1	24145.4	24462.6	24342.0	24380.1	24323.0	24323.0	24323.0	24367.4
22369.1	17.5°	22426.2	22775.1	23276.3	23124.0	23181.1	23193.8	23181.1	23225.5	23282.6
19894.9	20°	19907.6	20503.9	21417.5	21715.6	21836.2	21842.5	21753.7	21861.5	21975.7
17579.3	22.5°	17592.0	18220.1	19025.8	19844.1	20351.7	20326.3	20339.0	20408.7	20529.3
15517.5	25°	15587.3	16190.0	16919.5	17649.1	18759.3	18987.7	18994.0	19057.5	19152.6
14109.1	27.5°	14140.8	14375.6	15041.7	15777.6	16970.3	17699.8	17661.8	17718.9	17820.4
12345.5	30°	12396.2	13297.1	13449.3	13899.8	14927.5	16266.1	16272.4	16335.9	16437.4
11305.1	32.5°	11273.3	11869.7	12339.1	12351.8	13227.3	14604.0	14876.8	14940.2	15010.0
10226.6	35°	10220.2	10290.0	10924.4	11102.1	11609.6	12973.5	13455.7	13493.8	13607.9
8697.7	37.5°	8843.6	9255.9	9433.6	10068.0	10093.4	11197.2	12155.2	12117.1	12205.9
7486.0	40°	7581.1	7974.4	8424.9	8888.0	8951.4	9776.2	10835.6	10873.7	10911.7
6210.8	42.5°	6261.6	6762.7	7225.9	7536.7	7968.1	8443.9	9452.6	9630.2	9719.1
5322.6	45°	5417.8	5557.4	6109.3	6566.1	7003.8	7225.9	8171.1	8494.7	8551.8
4212.4	47.5°	4269.5	4739.0	5113.3	5500.3	6045.9	6242.5	6927.7	7378.1	7422.5
3127.6	50°	3298.9	3635.1	4149.0	4497.9	5132.3	5240.2	5709.6	6293.3	6350.4
2093.5	52.5°	2360.0	2816.7	3317.9	3654.2	4263.2	4402.8	4751.7	5310.0	5348.0
1605.0	55°	1693.9	1992.0	2404.4	2886.5	3330.6	3641.5	3882.5	4415.4	4466.2
1053.1	57.5°	1154.6	1433.8	1605.0	2087.2	2353.6	2689.9	2886.5	3292.6	3330.6
501.2	60°	551.9	685.2	818.4	1059.5	1230.7	1516.2	1643.1	1808.0	1852.5
304.5	62.5°	355.3	418.7	532.9	634.4	799.3	977.0	1027.7	1167.3	1218.1
190.3	65°	234.7	298.2	418.7	444.1	609.0	748.6	812.0	913.5	970.6
114.2	67.5°	133.2	209.4	310.9	368.0	482.1	615.4	685.2	774.0	824.7
76.1	70°	88.8	171.3	247.4	304.5	380.6	494.8	583.7	659.8	691.5
38.1	72.5°	50.8	107.8	171.3	241.1	304.5	412.4	494.8	558.3	368.0
25.4	75°	31.7	82.5	145.9	203.0	253.8	329.9	399.7	393.3	164.9
19.0	77.5°	25.4	63.4	126.9	171.3	209.4	228.4	285.5	323.5	126.9
12.7	80°	19.0	50.8	114.2	145.9	82.5	164.9	222.0	241.1	88.8
12.7	82.5°	12.7	31.7	95.2	101.5	57.1	120.5	177.6	158.6	63.4
6.3	85°	6.3	19.0	31.7	57.1	50.8	57.1	44.4	63.4	44.4
6.3	87.5°	6.3	12.7	25.4	25.4	25.4	19.0	25.4	25.4	25.4
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



180°
26480.0
26403.9
26359.5
26264.3
25871.0
25312.7
24386.5
23472.9
22051.9
20548.3
19317.6
17915.5
16615.0
15168.6
13728.5
12313.8
11032.3
9845.9
8691.3
7530.4
6432.8
5417.8
4510.6
3406.7
1903.2
1230.7
970.6
818.4
685.2
298.2
164.9
126.9
95.2
63.4
44.4
25.4
0.0

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