

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: P636453

Luminaire Tested: **IFLD-S-SA3B-930-U-55-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636453
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3B-930-U-55-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 5 distribution lens and Visor
Light Source: (48) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9011.4 lumens
Efficiency: N/A
Efficacy: 73.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G1

Input Watts (W): 122.4
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



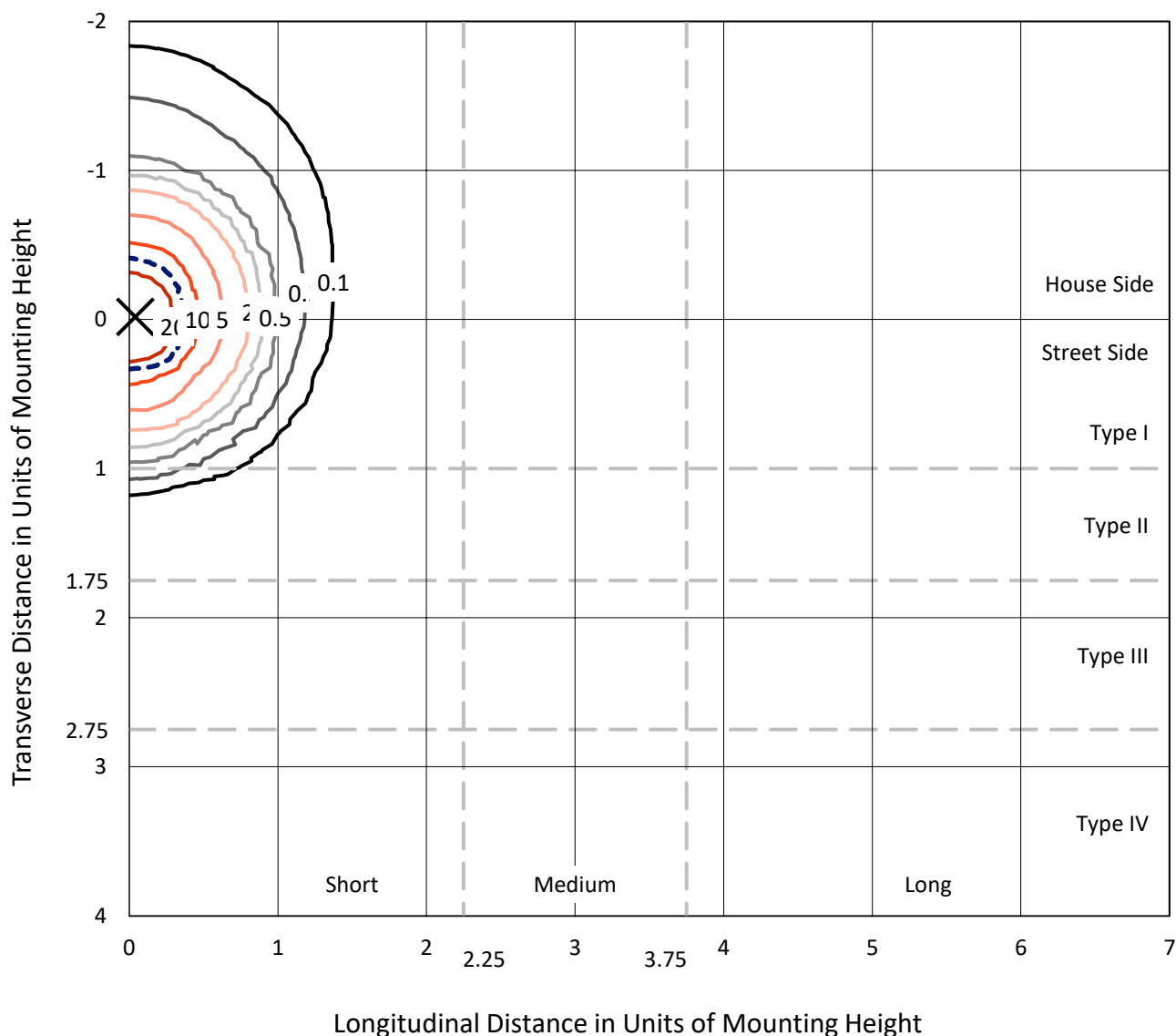
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

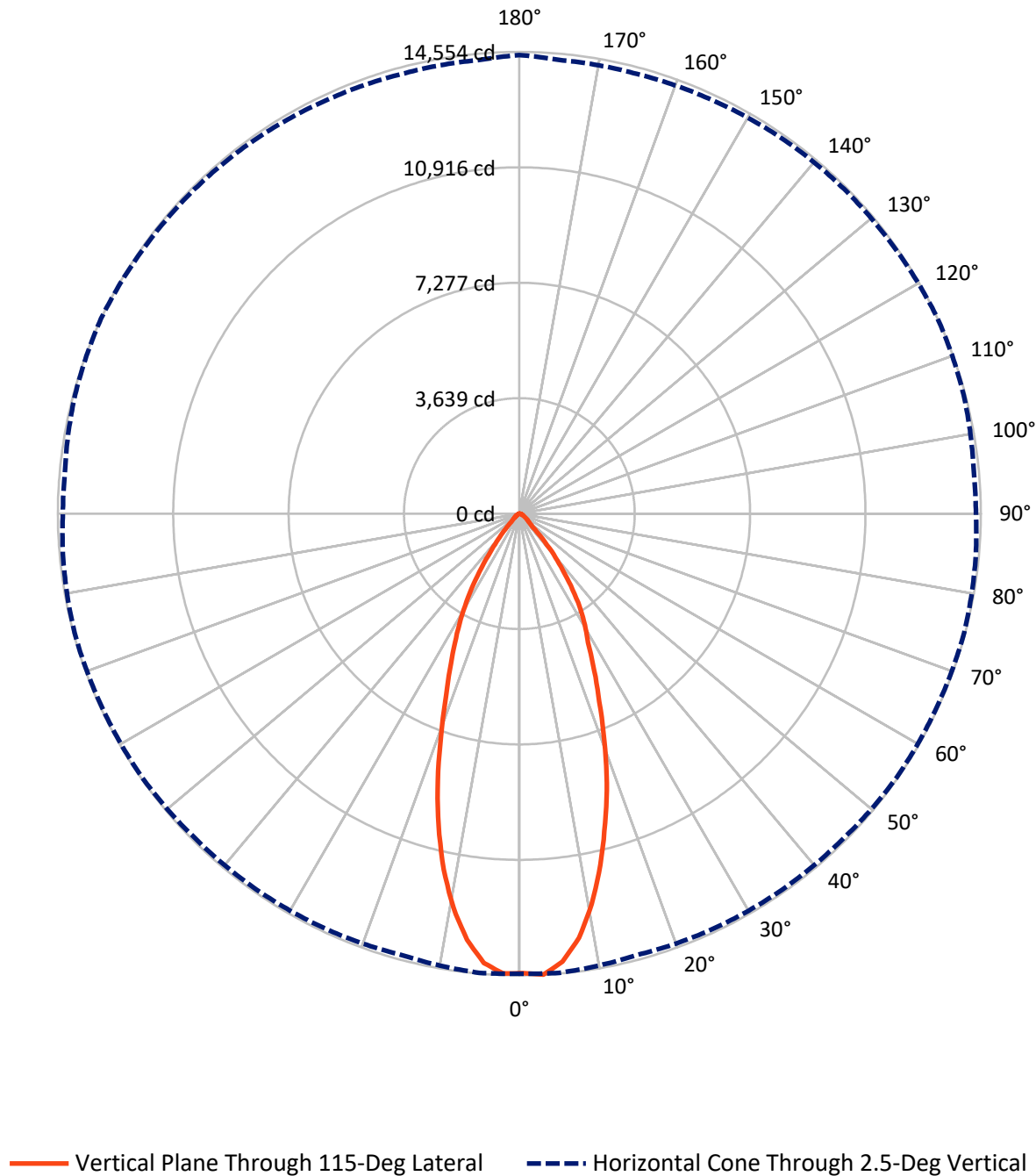


Based on 20 foot mounting height. Maximum calculated value = 36.2 fc

Type I - Short - N/A

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Luminous Intensity Polar Plot



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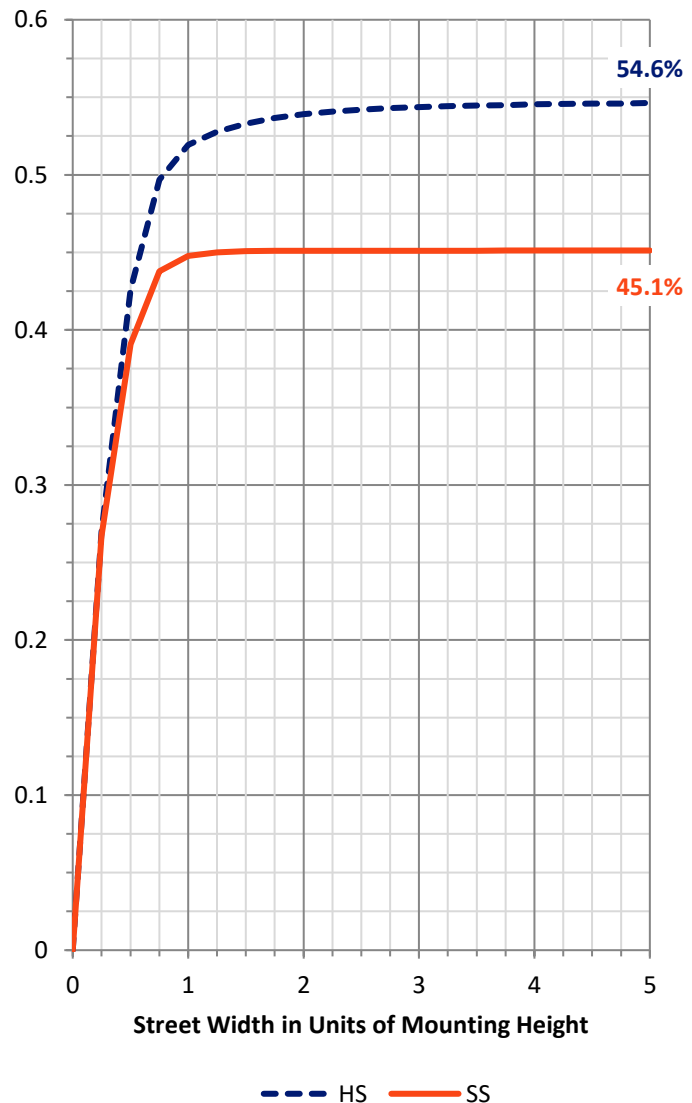
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4973.3	0.0	4973.3
	% Fixture	55.2	0.0	55.2
Street Side	Lumens	4038.2	0.0	4038.2
	% Fixture	44.8	0.0	44.8
Total	Lumens	9011.4	0.0	9011.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1299.3	14.4
10°-20°	2746.0	30.5
20°-30°	2478.4	27.5
30°-40°	1640.1	18.2
40°-50°	491.3	5.5
50°-60°	197.1	2.2
60°-70°	102.1	1.1
70°-80°	44.3	0.5
80°-90°	12.9	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°	9011.4	100.0
0°-180°	9011.4	100.0

Coefficient of Utilization



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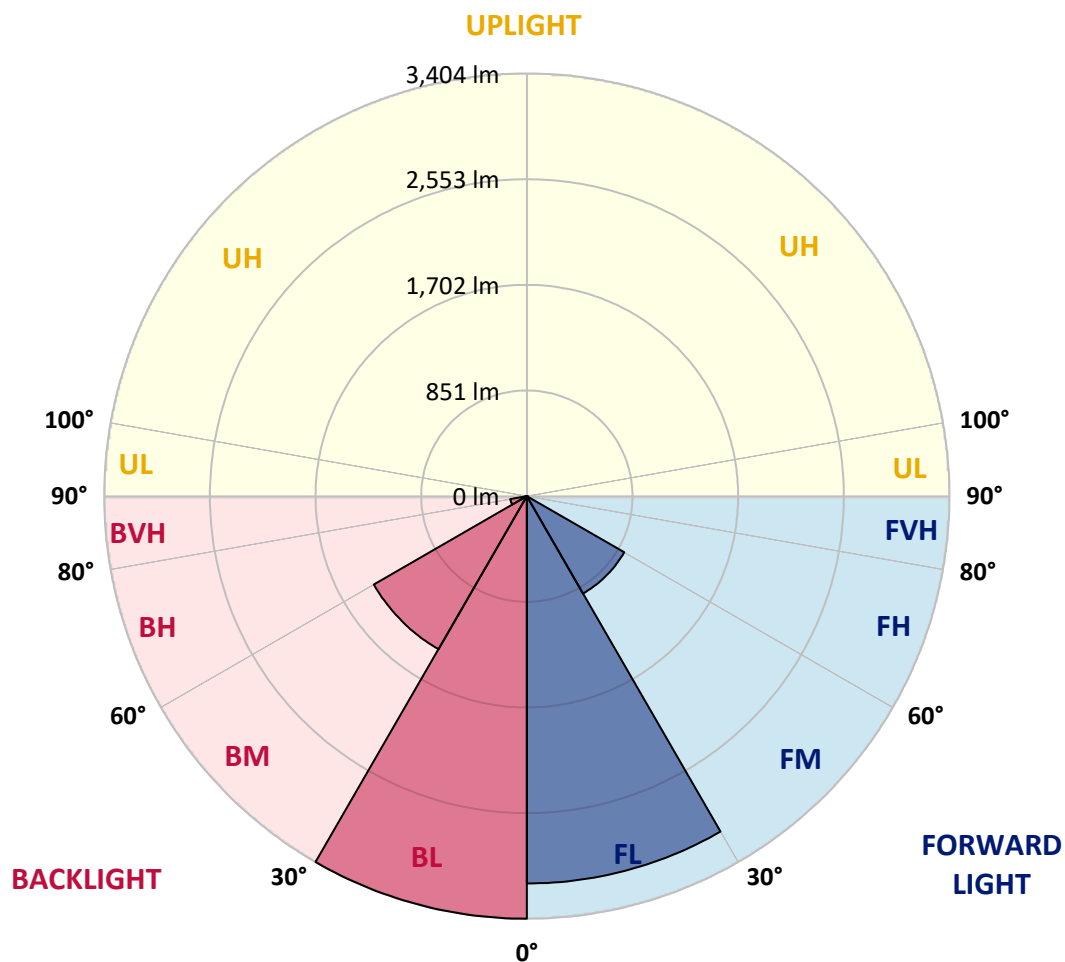
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3119.8	34.6			
FM	(30°-60°)	905.3	10.0			
FH	(60°-80°)	11.2	0.1			G0/660
FVH	(80°-90°)	1.8	0.0			G0/10
BL	(0°-30°)	3403.8	37.8	B4/5000		
BM	(30°-60°)	1423.2	15.8	B2/2500		
BH	(60°-80°)	135.1	1.5	B1/500		G1/500
BVH	(80°-90°)	11.0	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°	14485.9	14485.9	14485.9	14485.9	14485.9	14485.9	14485.9	14485.9	14485.9	14485.9
2.5°	14504.3	14530.1	14401.1	14445.3	14463.8	14469.3	14515.4	14508.0	14520.9	14452.7
5°	14312.6	14262.9	14167.0	14168.9	14163.4	14111.7	14216.8	14209.4	14187.3	14106.2
7.5°	13660.2	13732.1	13551.5	13547.8	13544.1	13481.4	13619.7	13534.9	13553.3	13437.2
10°	12705.5	12714.8	12554.4	12539.7	12552.6	12471.5	12631.8	12598.7	12633.7	12512.0
12.5°	11535.3	11586.9	11409.9	11384.1	11435.7	11321.5	11450.5	11467.1	11415.5	11398.9
15°	9047.2	9183.6	9519.0	10031.4	10164.1	10068.2	10171.4	10169.6	10191.7	10066.4
17.5°	6892.8	6905.7	6826.4	7071.5	8490.6	8951.4	8973.5	8798.4	8665.7	8619.6
20°	6017.4	6061.6	5989.7	6010.0	6236.7	7587.6	7639.2	7375.6	7148.9	7130.5
22.5°	5320.7	5348.3	5296.7	5313.3	5324.4	5482.9	6380.4	6148.2	6039.5	5956.5
25°	4730.9	4730.9	4703.3	4708.8	4697.8	4463.7	4924.5	5189.9	5127.2	5097.7
27.5°	4192.8	4200.2	4165.1	4185.4	4050.9	3673.1	3617.8	4401.1	4334.7	4281.3
30°	3682.3	3706.2	3673.1	3684.1	3391.1	3081.5	2923.0	3671.2	3754.2	3739.4
32.5°	2771.9	2880.6	3147.8	3158.9	2760.8	2523.0	2453.0	2946.9	3262.1	3234.4
35°	1717.7	1712.1	1723.2	2254.0	2117.6	1955.4	1981.2	2226.3	2582.0	2569.1
37.5°	1310.4	1308.5	1328.8	1275.3	1387.8	1483.6	1503.9	1503.9	1885.4	1887.2
40°	993.4	986.0	984.2	899.4	753.8	1113.2	1080.0	1052.3	1310.4	1338.0
42.5°	634.0	656.1	639.5	547.4	492.1	608.2	678.2	656.1	809.1	829.3
45°	353.9	353.9	339.1	287.5	285.7	307.8	387.0	361.2	414.7	442.3
47.5°	171.4	167.7	184.3	226.7	235.9	228.5	276.4	287.5	313.3	339.1
50°	138.2	138.2	130.9	118.0	195.4	188.0	204.6	219.3	234.1	256.2
52.5°	116.1	116.1	106.9	99.5	112.4	143.8	145.6	173.2	171.4	202.7
55°	59.0	60.8	86.6	86.6	75.6	118.0	119.8	140.1	143.8	169.6
57.5°	5.5	7.4	11.1	53.4	59.0	64.5	90.3	103.2	119.8	130.9
60°	1.8	1.8	3.7	7.4	35.0	44.2	57.1	68.2	82.9	108.7
62.5°	0.0	0.0	1.8	3.7	7.4	27.6	31.3	35.0	49.8	68.2
65°	0.0	0.0	1.8	1.8	3.7	9.2	12.9	22.1	31.3	42.4
67.5°	0.0	0.0	1.8	1.8	3.7	5.5	7.4	11.1	14.7	27.6
70°	0.0	0.0	1.8	1.8	3.7	5.5	5.5	7.4	9.2	12.9
72.5°	0.0	0.0	1.8	1.8	3.7	7.4	5.5	5.5	7.4	9.2
75°	0.0	0.0	1.8	1.8	3.7	5.5	5.5	5.5	5.5	5.5
77.5°	0.0	0.0	1.8	1.8	3.7	5.5	5.5	5.5	3.7	3.7
80°	0.0	0.0	1.8	1.8	3.7	5.5	7.4	7.4	3.7	3.7
82.5°	0.0	0.0	1.8	3.7	3.7	9.2	11.1	9.2	3.7	1.8
85°	0.0	0.0	1.8	1.8	5.5	9.2	9.2	5.5	3.7	1.8
87.5°	0.0	0.0	0.0	1.8	1.8	3.7	5.5	5.5	1.8	1.8
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°
14485.9	0°	14485.9	14485.9	14485.9	14485.9	14485.9	14485.9	14485.9	14485.9	14485.9
14397.4	2.5°	14390.0	14502.5	14554.1	14500.6	14474.8	14438.0	14384.5	14347.7	14355.0
14062.0	5°	14030.7	14148.6	14189.2	14143.1	14104.4	14084.1	14074.9	14093.3	14141.2
13387.5	7.5°	13383.8	13459.3	13503.6	13481.4	13428.0	13488.8	13505.4	13494.3	13564.4
12475.2	10°	12478.9	12561.8	12521.3	12530.5	12467.8	12499.1	12489.9	12530.5	12600.5
11386.0	12.5°	11312.3	11391.5	11360.2	11354.6	11288.3	11347.3	11310.4	11354.6	11446.8
10014.8	15°	10086.7	10136.4	10116.2	10084.8	10025.8	10046.1	10160.4	10153.0	10193.6
8592.0	17.5°	8555.1	8794.7	8925.6	8953.2	8905.3	8945.9	9026.9	9006.7	9098.8
7091.8	20°	7078.9	7320.3	7642.9	7904.6	7910.1	7915.6	7967.2	7980.1	8059.4
5958.4	22.5°	5932.6	6104.0	6450.5	6796.9	7036.5	7086.3	7080.8	7099.2	7121.3
5057.2	25°	5044.3	5169.6	5486.6	5726.2	6146.4	6286.4	6327.0	6286.4	6299.3
4262.8	27.5°	4310.7	4502.4	4607.5	4863.6	5274.6	5599.0	5586.1	5562.1	5565.8
3709.9	30°	3708.1	3914.5	4069.3	4146.7	4456.3	4924.5	4972.4	4904.2	4906.0
3221.5	32.5°	3201.3	3265.8	3494.3	3557.0	3756.0	4181.7	4345.8	4294.2	4284.9
2576.5	35°	2652.1	2687.1	2792.1	2915.6	3033.6	3356.1	3627.0	3579.1	3603.0
1894.6	37.5°	1887.2	2031.0	2132.3	2233.7	2318.5	2521.2	2847.4	2803.2	2827.1
1341.7	40°	1330.6	1395.1	1570.2	1614.5	1739.8	1833.8	2110.2	2095.5	2125.0
833.0	42.5°	818.3	864.4	952.8	995.2	1080.0	1133.4	1295.6	1314.0	1352.8
460.7	45°	464.4	484.7	545.5	591.6	654.3	676.4	733.5	759.3	781.4
357.5	47.5°	353.9	376.0	416.5	457.1	508.7	527.1	567.6	606.3	626.6
276.4	50°	289.3	309.6	352.0	385.2	436.8	453.4	486.5	528.9	554.7
210.1	52.5°	219.3	248.8	300.4	335.4	388.9	409.1	440.5	482.9	506.8
173.2	55°	180.6	202.7	248.8	296.7	346.5	374.1	394.4	446.0	471.8
141.9	57.5°	154.8	171.4	200.9	258.0	300.4	341.0	357.5	405.5	431.3
112.4	60°	118.0	143.8	169.6	213.8	261.7	304.1	322.5	364.9	385.2
81.1	62.5°	97.7	114.3	147.4	171.4	224.8	269.1	287.5	326.2	341.0
53.4	65°	68.2	92.1	123.5	138.2	188.0	230.4	256.2	285.7	300.4
31.3	67.5°	40.5	68.2	97.7	118.0	153.0	195.4	223.0	250.6	263.5
18.4	70°	25.8	53.4	77.4	99.5	119.8	160.3	193.5	217.5	211.9
11.1	72.5°	14.7	33.2	57.1	81.1	99.5	134.5	165.9	184.3	130.9
7.4	75°	9.2	24.0	47.9	66.3	81.1	106.9	136.4	140.1	81.1
3.7	77.5°	7.4	18.4	36.9	53.4	55.3	79.2	95.8	108.7	60.8
3.7	80°	3.7	14.7	31.3	44.2	35.0	55.3	73.7	84.8	47.9
1.8	82.5°	3.7	9.2	24.0	31.3	25.8	42.4	53.4	60.8	40.5
1.8	85°	1.8	7.4	12.9	18.4	18.4	27.6	24.0	29.5	25.8
1.8	87.5°	1.8	3.7	7.4	9.2	7.4	11.1	12.9	12.9	11.1
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

180°
14485.9
14454.5
14240.8
13634.4
12628.1
11463.4
10202.8
9084.1
8042.8
7080.8
6279.1
5571.3
4907.9
4307.1
3625.2
2847.4
2136.0
1397.0
779.6
635.8
565.8
523.4
479.2
442.3
388.9
342.8
300.4
261.7
195.4
116.1
75.6
60.8
49.8
44.2
25.8
9.2
0.0

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