

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: P636464

Luminaire Tested: **IFLD-M-SA4C-930-U-55-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636464
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4C-930-U-55-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 5 distribution lens and Visor
Light Source: (64) 3000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15057.1 lumens
Efficiency: N/A
Efficacy: 69.0 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 0.5' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 218.1
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



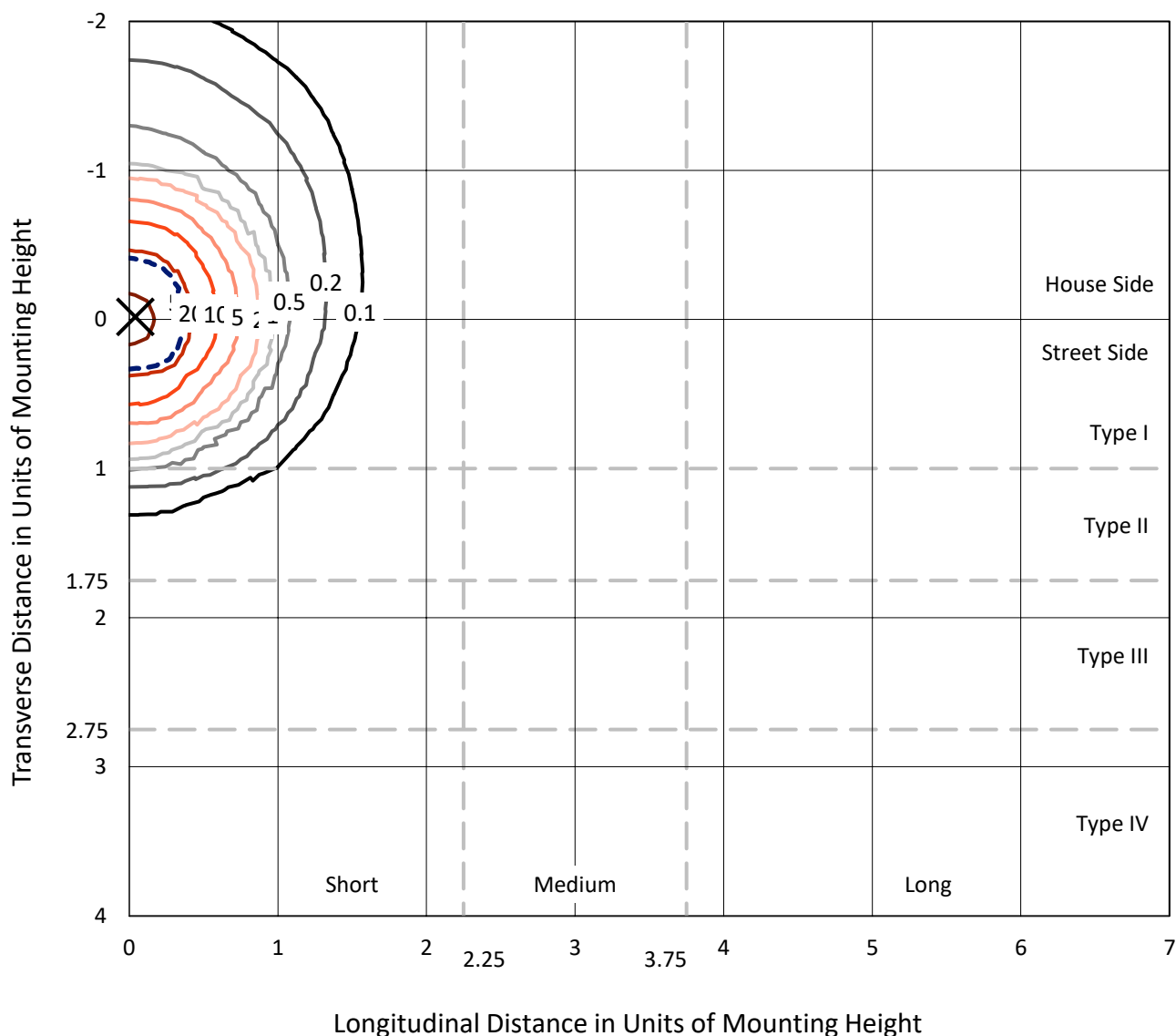
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

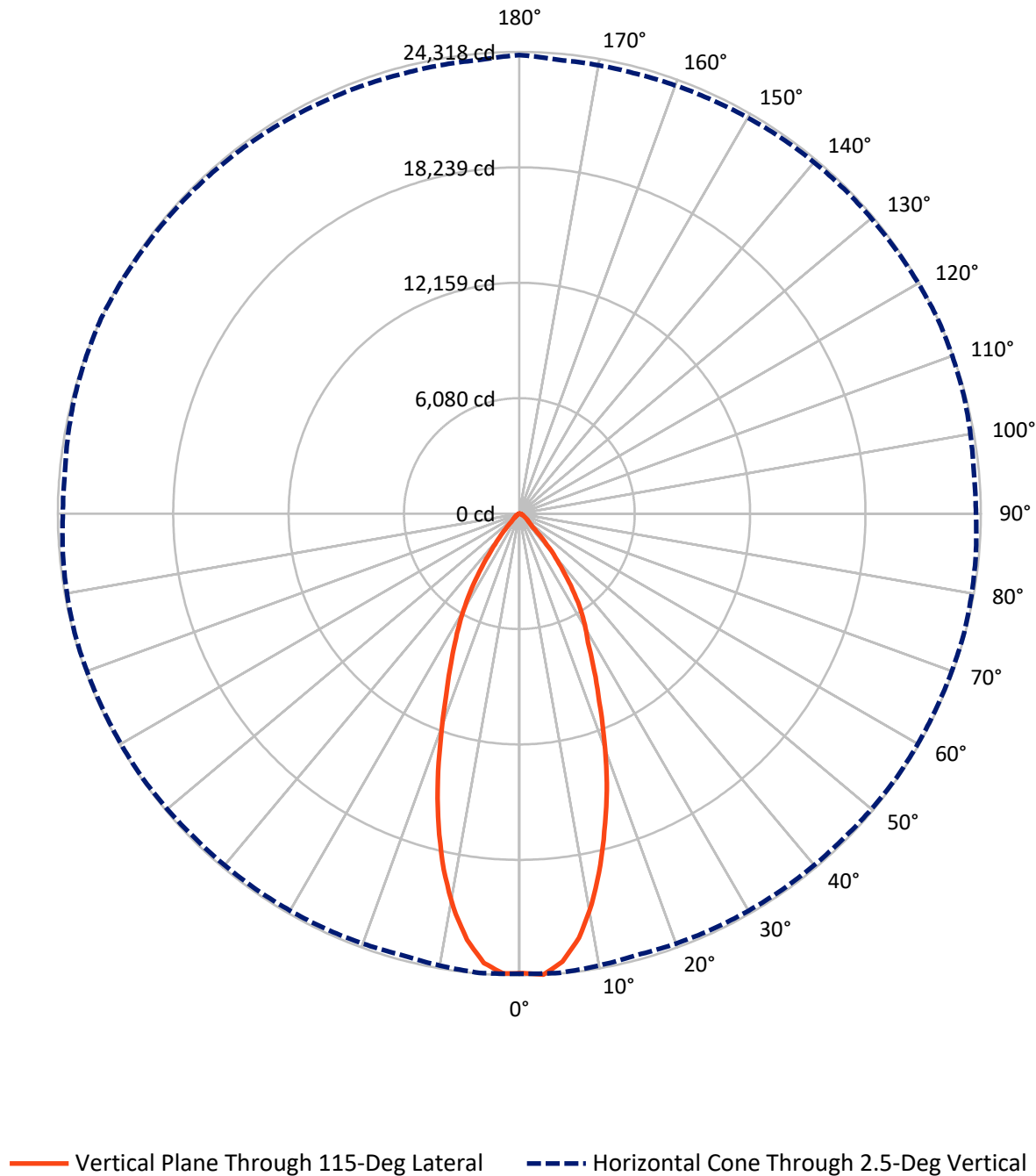


Based on 20 foot mounting height. Maximum calculated value = 60.5 fc

Type I - Short - N/A

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Luminous Intensity Polar Plot



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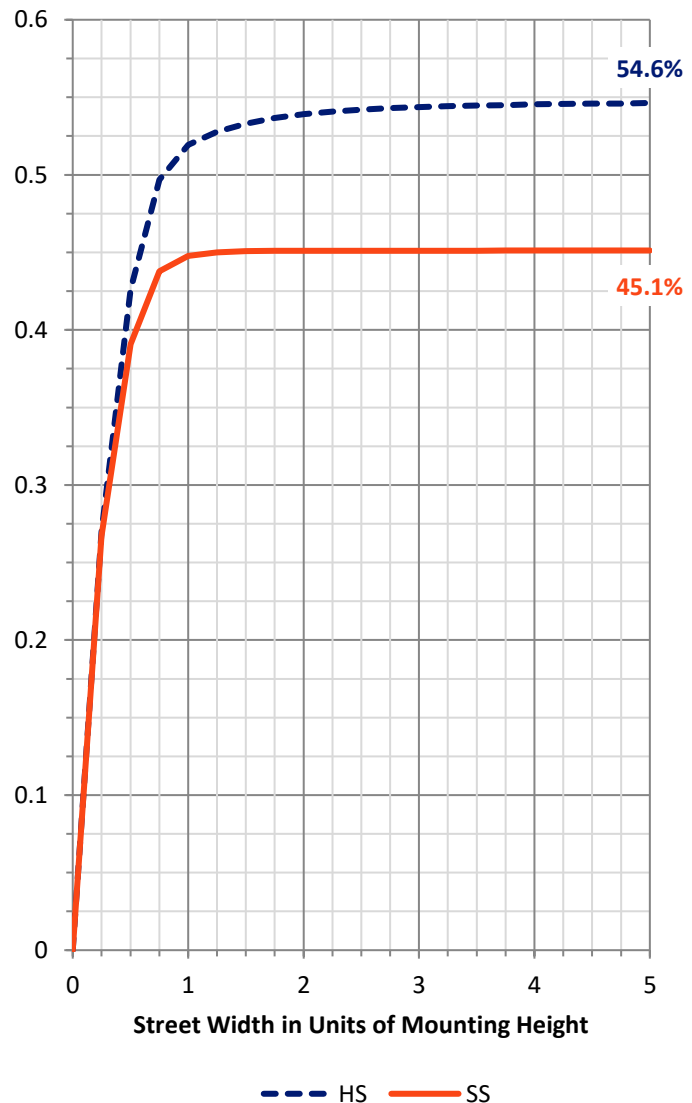
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8309.8	0.0	8309.8
	% Fixture	55.2	0.0	55.2
Street Side	Lumens	6747.4	0.0	6747.4
	% Fixture	44.8	0.0	44.8
Total	Lumens	15057.1	0.0	15057.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2170.9	14.4
10°-20°	4588.2	30.5
20°-30°	4141.2	27.5
30°-40°	2740.5	18.2
40°-50°	820.9	5.5
50°-60°	329.3	2.2
60°-70°	170.5	1.1
70°-80°	74.0	0.5
80°-90°	21.5	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°	15057.1	100.0
0°-180°	15057.1	100.0

Coefficient of Utilization



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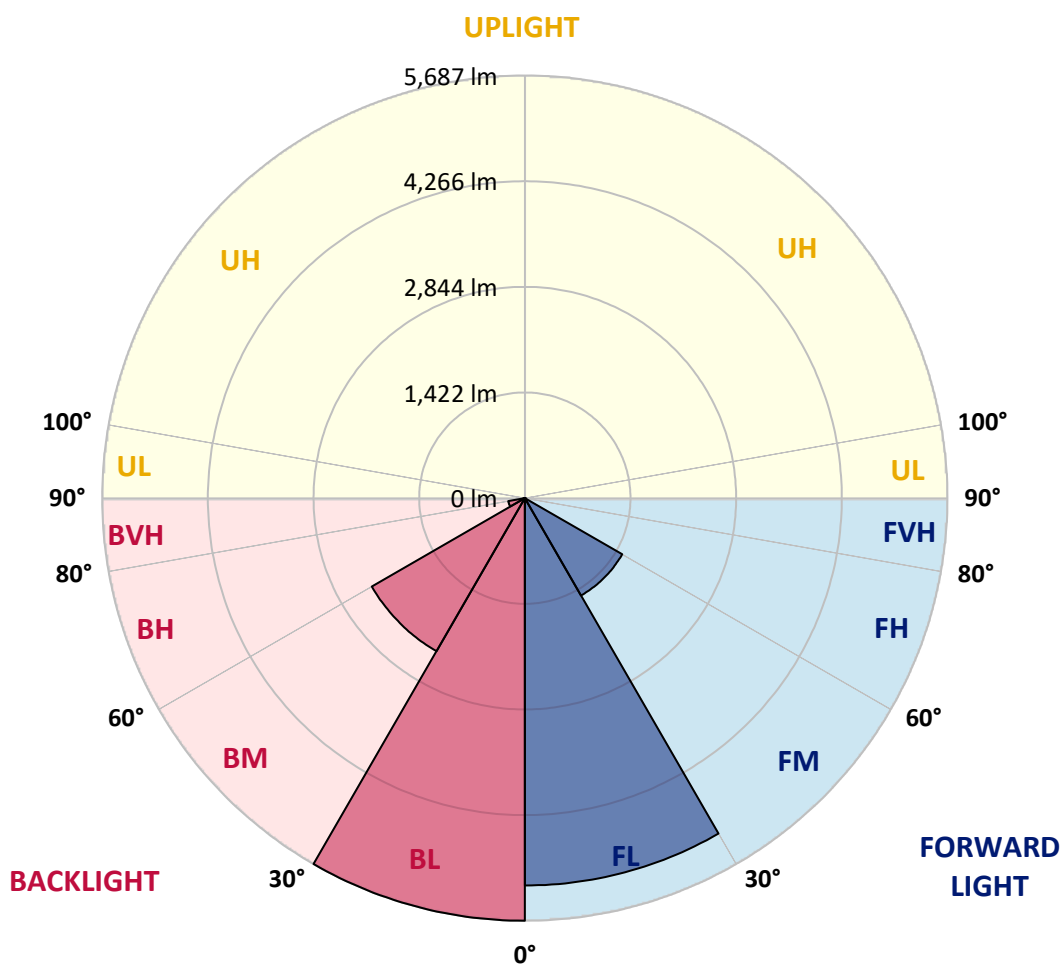
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	5212.9	34.6			
FM	(30°-60°)	1512.6	10.0			
FH	(60°-80°)	18.7	0.1			G0/660
FVH	(80°-90°)	3.1	0.0			G0/10
BL	(0°-30°)	5687.5	37.8	B5		
BM	(30°-60°)	2378.1	15.8	B2/2500		
BH	(60°-80°)	225.8	1.5	B1/500		G1/500
BVH	(80°-90°)	18.4	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°	24204.3	24204.3	24204.3	24204.3	24204.3	24204.3	24204.3	24204.3	24204.3	24204.3
2.5°	24235.1	24278.2	24062.7	24136.6	24167.4	24176.6	24253.6	24241.3	24262.9	24148.9
5°	23914.9	23831.7	23671.6	23674.7	23665.4	23579.2	23754.7	23742.4	23705.5	23570.0
7.5°	22824.8	22944.9	22643.1	22636.9	22630.8	22526.1	22757.0	22615.4	22646.1	22452.1
10°	21229.6	21245.0	20977.1	20952.5	20974.0	20838.5	21106.4	21051.0	21109.5	20906.3
12.5°	19274.2	19360.4	19064.8	19021.7	19107.9	18917.0	19132.5	19160.2	19074.0	19046.3
15°	15116.9	15344.8	15905.3	16761.4	16983.1	16822.9	16995.4	16992.3	17029.3	16819.9
17.5°	11517.1	11538.6	11406.2	11815.8	14186.9	14956.8	14993.8	14701.2	14479.5	14402.5
20°	10054.3	10128.3	10008.2	10042.0	10420.8	12678.0	12764.2	12323.9	11945.1	11914.3
22.5°	8890.3	8936.5	8850.3	8878.0	8896.5	9161.3	10661.0	10273.0	10091.3	9952.7
25°	7904.9	7904.9	7858.7	7868.0	7849.5	7458.4	8228.2	8671.7	8567.0	8517.7
27.5°	7005.7	7018.0	6959.5	6993.4	6768.6	6137.3	6044.9	7353.7	7242.8	7153.5
30°	6152.7	6192.7	6137.3	6155.8	5666.2	5148.8	4884.0	6134.2	6272.8	6248.2
32.5°	4631.5	4813.2	5259.7	5278.1	4613.0	4215.7	4098.7	4924.0	5450.6	5404.4
35°	2870.0	2860.8	2879.3	3766.1	3538.3	3267.3	3310.4	3720.0	4314.3	4292.7
37.5°	2189.5	2186.4	2220.3	2131.0	2318.8	2478.9	2512.8	2512.8	3150.3	3153.3
40°	1659.8	1647.5	1644.4	1502.8	1259.5	1860.0	1804.5	1758.4	2189.5	2235.7
42.5°	1059.3	1096.3	1068.6	914.6	822.2	1016.2	1133.2	1096.3	1351.9	1385.7
45°	591.3	591.3	566.6	480.4	477.3	514.3	646.7	603.6	692.9	739.1
47.5°	286.4	280.2	307.9	378.8	394.2	381.8	461.9	480.4	523.5	566.6
50°	231.0	231.0	218.6	197.1	326.4	314.1	341.8	366.5	391.1	428.0
52.5°	194.0	194.0	178.6	166.3	187.8	240.2	243.3	289.5	286.4	338.7
55°	98.5	101.6	144.7	144.7	126.3	197.1	200.2	234.0	240.2	283.3
57.5°	9.2	12.3	18.5	89.3	98.5	107.8	150.9	172.4	200.2	218.6
60°	3.1	3.1	6.2	12.3	58.5	73.9	95.5	113.9	138.6	181.7
62.5°	0.0	0.0	3.1	6.2	12.3	46.2	52.4	58.5	83.1	113.9
65°	0.0	0.0	3.1	3.1	6.2	15.4	21.6	37.0	52.4	70.8
67.5°	0.0	0.0	3.1	3.1	6.2	9.2	12.3	18.5	24.6	46.2
70°	0.0	0.0	3.1	3.1	6.2	9.2	9.2	12.3	15.4	21.6
72.5°	0.0	0.0	3.1	3.1	6.2	12.3	9.2	9.2	12.3	15.4
75°	0.0	0.0	3.1	3.1	6.2	9.2	9.2	9.2	9.2	9.2
77.5°	0.0	0.0	3.1	3.1	6.2	9.2	9.2	9.2	6.2	6.2
80°	0.0	0.0	3.1	3.1	6.2	9.2	12.3	12.3	6.2	6.2
82.5°	0.0	0.0	3.1	6.2	6.2	15.4	18.5	15.4	6.2	3.1
85°	0.0	0.0	3.1	3.1	9.2	15.4	15.4	9.2	6.2	3.1
87.5°	0.0	0.0	0.0	3.1	3.1	6.2	9.2	9.2	3.1	3.1
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°
24204.3	0°	24204.3	24204.3	24204.3	24204.3	24204.3	24204.3	24204.3	24204.3	24204.3
24056.5	2.5°	24044.2	24232.1	24318.3	24229.0	24185.9	24124.3	24035.0	23973.4	23985.7
23496.1	5°	23443.7	23640.8	23708.6	23631.6	23566.9	23533.0	23517.6	23548.4	23628.5
22369.0	7.5°	22362.8	22489.1	22563.0	22526.1	22436.7	22538.4	22566.1	22547.6	22664.6
20844.7	10°	20850.8	20989.4	20921.7	20937.1	20832.4	20884.7	20869.3	20937.1	21054.1
19024.7	12.5°	18901.6	19034.0	18981.6	18972.4	18861.5	18960.1	18898.5	18972.4	19126.4
16733.6	15°	16853.7	16936.9	16903.0	16850.7	16752.1	16786.0	16976.9	16964.6	17032.3
14356.3	17.5°	14294.7	14695.1	14913.7	14959.9	14879.8	14947.6	15083.1	15049.2	15203.2
11849.7	20°	11828.1	12231.5	12770.4	13207.7	13216.9	13226.2	13312.4	13333.9	13466.4
9955.8	22.5°	9912.7	10199.1	10778.0	11356.9	11757.3	11840.4	11831.2	11862.0	11898.9
8450.0	25°	8428.4	8637.8	9167.5	9567.8	10269.9	10503.9	10571.7	10503.9	10525.5
7122.7	27.5°	7202.8	7523.1	7698.6	8126.6	8813.3	9355.3	9333.8	9293.7	9299.9
6198.9	30°	6195.8	6540.7	6799.4	6928.7	7446.1	8228.2	8308.3	8194.4	8197.4
5382.8	32.5°	5349.0	5456.8	5838.6	5943.3	6275.9	6987.2	7261.3	7175.1	7159.7
4305.0	35°	4431.3	4489.8	4665.3	4871.7	5068.7	5607.6	6060.3	5980.3	6020.3
3165.7	37.5°	3153.3	3393.5	3562.9	3732.3	3873.9	4212.7	4757.7	4683.8	4723.8
2241.8	40°	2223.4	2331.1	2623.7	2697.6	2907.0	3064.0	3526.0	3501.3	3550.6
1391.9	42.5°	1367.3	1444.3	1592.1	1662.9	1804.5	1893.9	2164.8	2195.6	2260.3
769.9	45°	776.0	809.9	911.5	988.5	1093.2	1130.2	1225.6	1268.7	1305.7
597.4	47.5°	591.3	628.2	696.0	763.7	849.9	880.7	948.5	1013.1	1047.0
461.9	50°	483.5	517.3	588.2	643.6	729.8	757.5	813.0	883.8	926.9
351.1	52.5°	366.5	415.7	501.9	560.5	649.8	683.6	736.0	806.8	846.8
289.5	55°	301.8	338.7	415.7	495.8	578.9	625.1	659.0	745.2	788.3
237.1	57.5°	258.7	286.4	335.7	431.1	501.9	569.7	597.4	677.5	720.6
187.8	60°	197.1	240.2	283.3	357.2	437.3	508.1	538.9	609.7	643.6
135.5	62.5°	163.2	190.9	246.4	286.4	375.7	449.6	480.4	545.1	569.7
89.3	65°	113.9	154.0	206.3	231.0	314.1	384.9	428.0	477.3	501.9
52.4	67.5°	67.7	113.9	163.2	197.1	255.6	326.4	372.6	418.8	440.4
30.8	70°	43.1	89.3	129.3	166.3	200.2	267.9	323.3	363.4	354.1
18.5	72.5°	24.6	55.4	95.5	135.5	166.3	224.8	277.1	307.9	218.6
12.3	75°	15.4	40.0	80.1	110.9	135.5	178.6	227.9	234.0	135.5
6.2	77.5°	12.3	30.8	61.6	89.3	92.4	132.4	160.1	181.7	101.6
6.2	80°	6.2	24.6	52.4	73.9	58.5	92.4	123.2	141.7	80.1
3.1	82.5°	6.2	15.4	40.0	52.4	43.1	70.8	89.3	101.6	67.7
3.1	85°	3.1	12.3	21.6	30.8	30.8	46.2	40.0	49.3	43.1
3.1	87.5°	3.1	6.2	12.3	15.4	12.3	18.5	21.6	21.6	18.5
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

180°
24204.3
24152.0
23794.8
22781.6
21100.3
19154.1
17047.7
15178.5
13438.6
11831.2
10491.6
9309.1
8200.5
7196.6
6057.2
4757.7
3569.1
2334.2
1302.6
1062.4
945.4
874.6
800.7
739.1
649.8
572.8
501.9
437.3
326.4
194.0
126.3
101.6
83.1
73.9
43.1
15.4
0.0

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