

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: P636457

Luminaire Tested: **IFLD-S-SA6A-930-U-55-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636457
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6A-930-U-55-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 5 distribution lens and Visor
Light Source: (96) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14293.6 lumens
Efficiency: N/A
Efficacy: 75.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 189.6
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



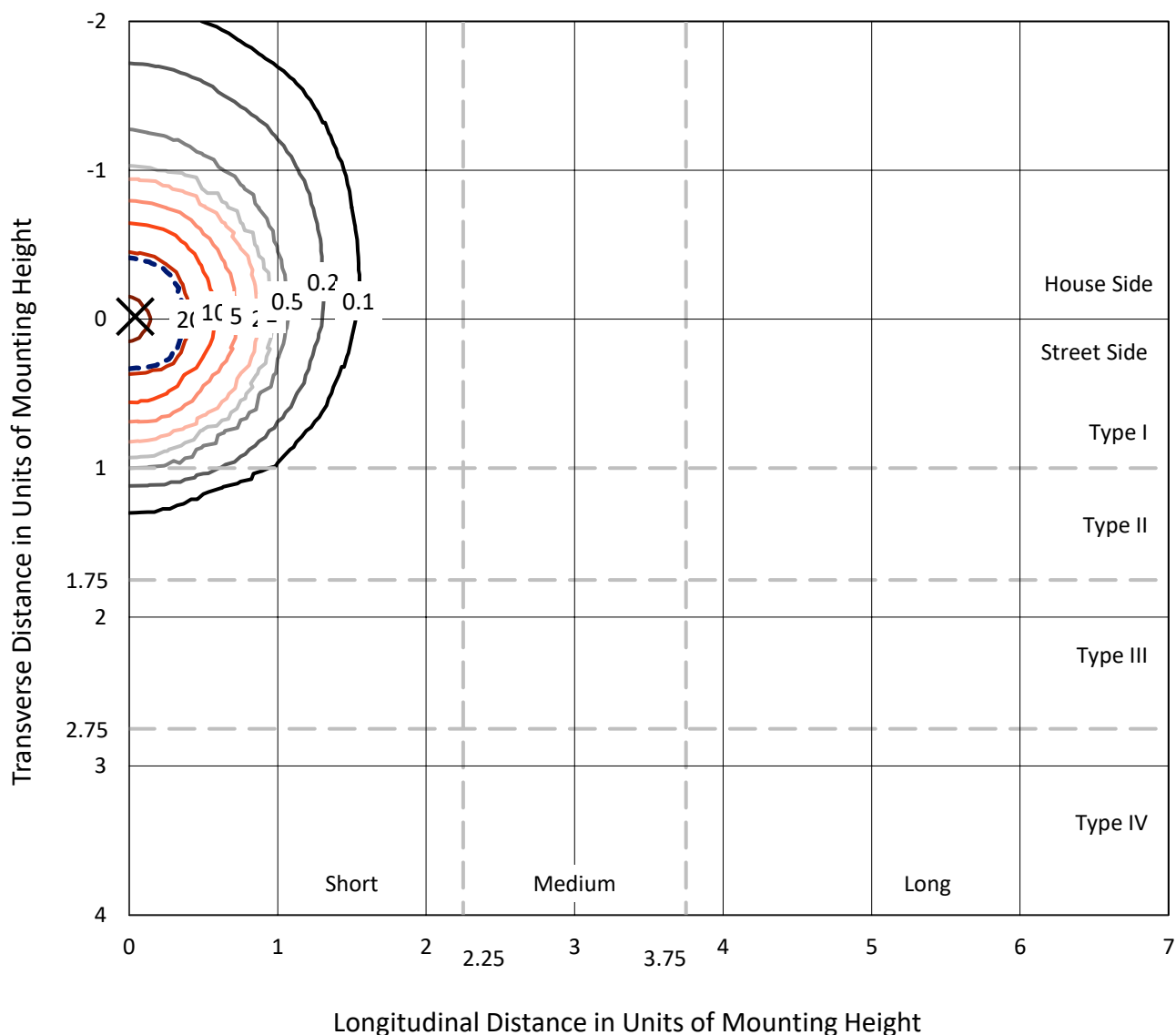
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

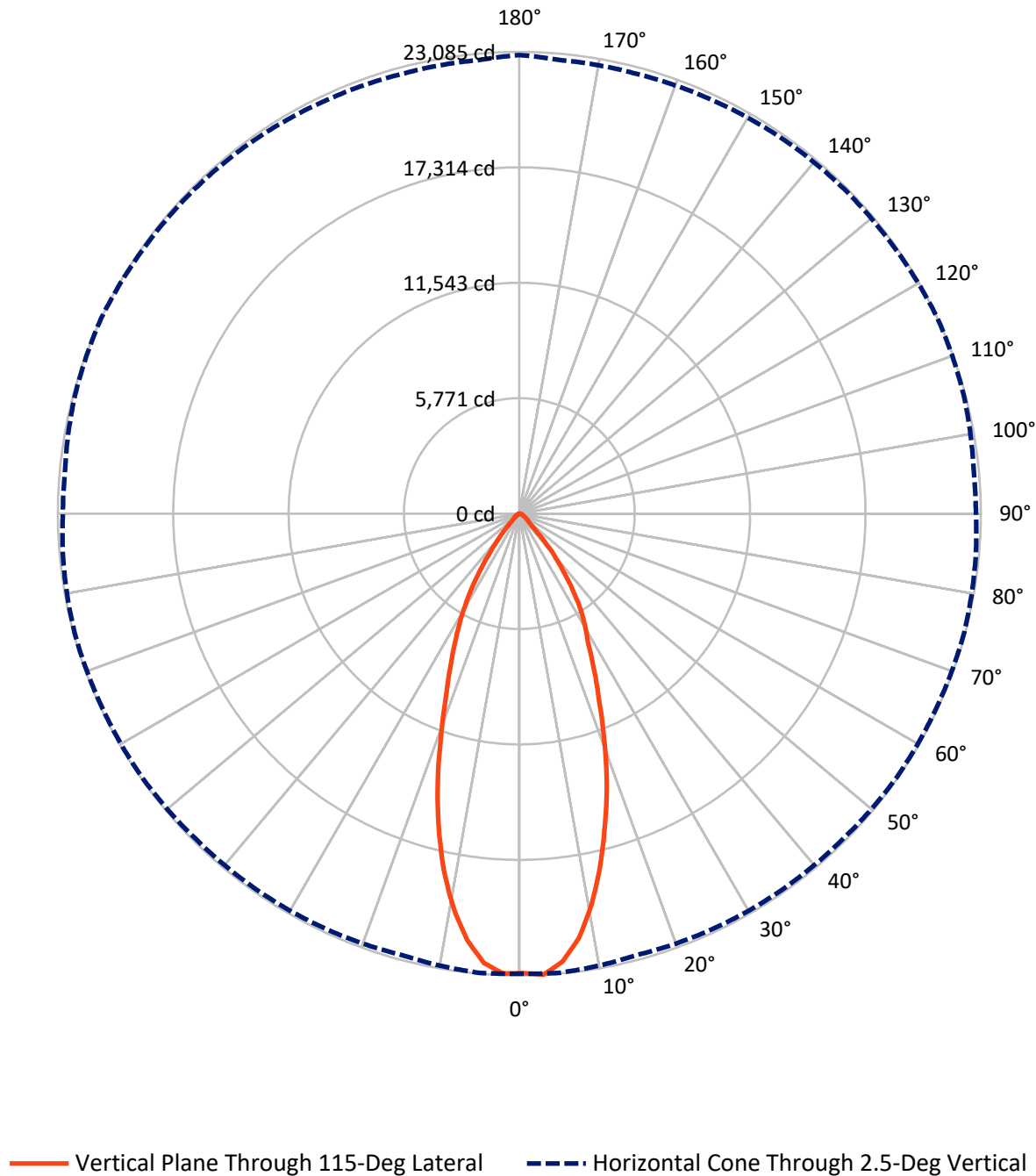


Based on 20 foot mounting height. Maximum calculated value = 57.4 fc

Type I - Short - N/A

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Luminous Intensity Polar Plot



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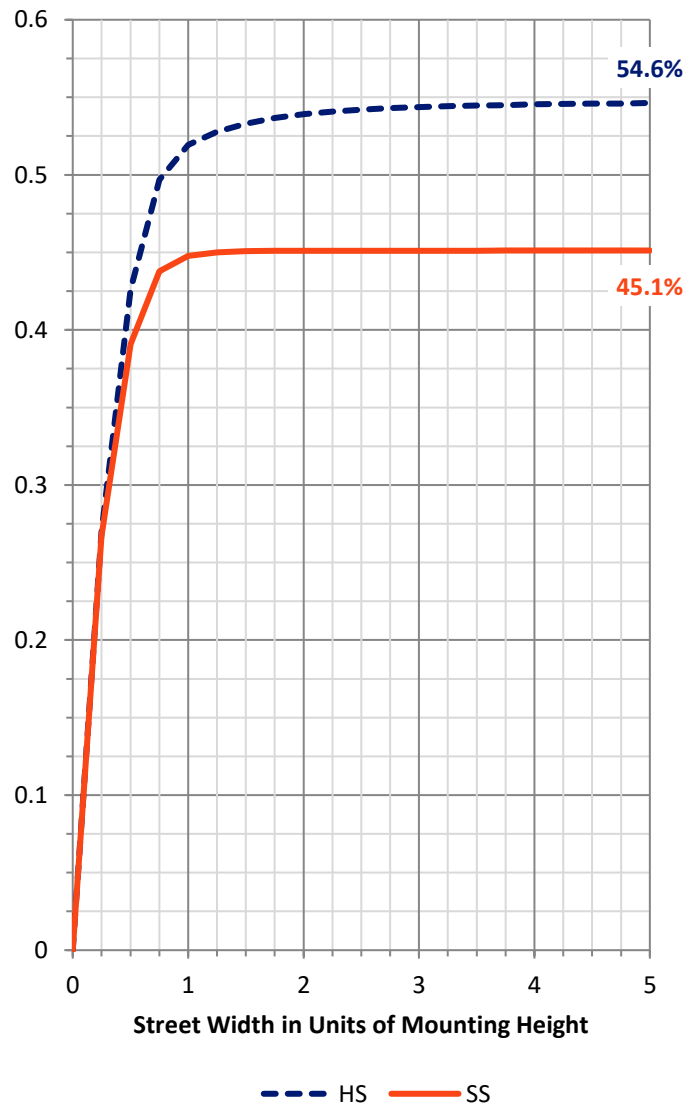
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7888.4	0.0	7888.4
	% Fixture	55.2	0.0	55.2
Street Side	Lumens	6405.2	0.0	6405.2
	% Fixture	44.8	0.0	44.8
Total	Lumens	14293.6	0.0	14293.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2060.9	14.4
10°-20°	4355.6	30.5
20°-30°	3931.2	27.5
30°-40°	2601.5	18.2
40°-50°	779.3	5.5
50°-60°	312.6	2.2
60°-70°	161.9	1.1
70°-80°	70.3	0.5
80°-90°	20.4	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°	14293.6	100.0
0°-180°	14293.6	100.0

Coefficient of Utilization



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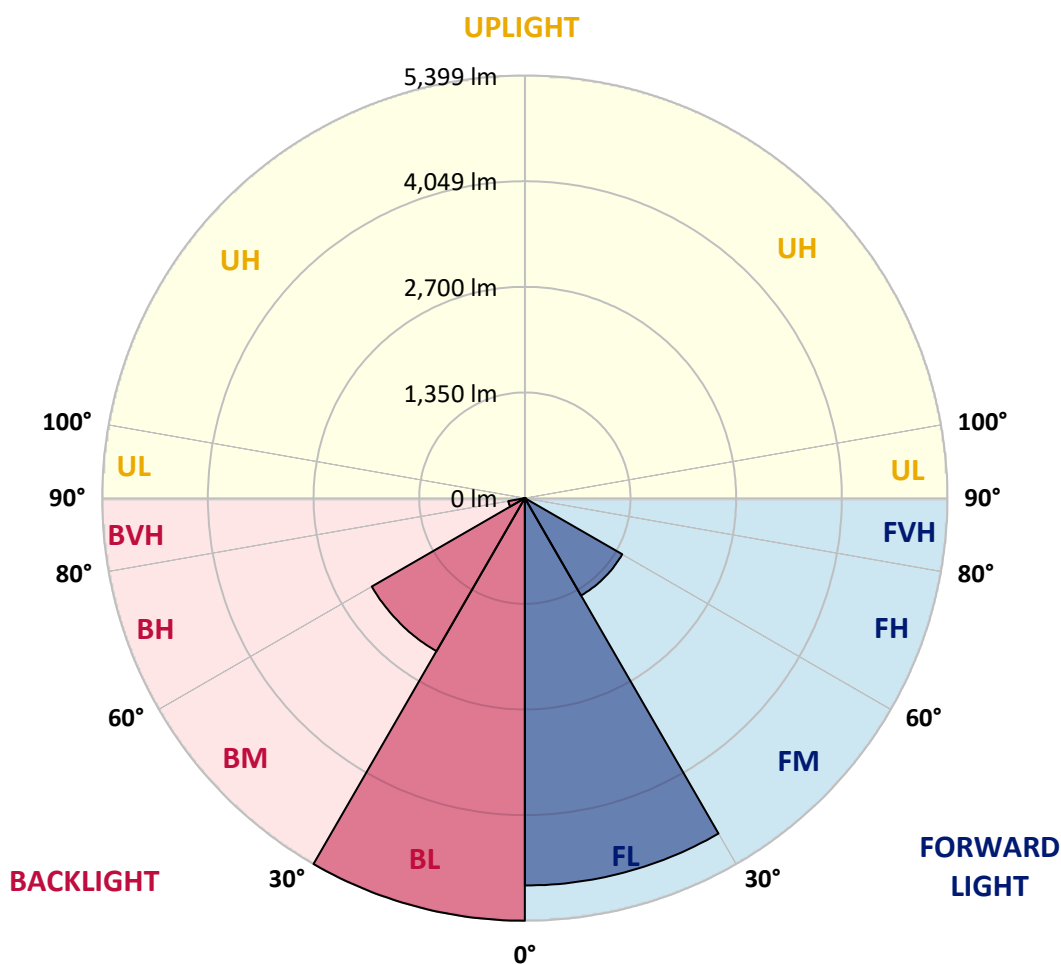
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	4948.6	34.6			
FM	(30°-60°)	1435.9	10.0			
FH	(60°-80°)	17.8	0.1			G0/660
FVH	(80°-90°)	2.9	0.0			G0/10
BL	(0°-30°)	5399.1	37.8	B5		
BM	(30°-60°)	2257.5	15.8	B2/2500		
BH	(60°-80°)	214.4	1.5	B1/500		G1/500
BVH	(80°-90°)	17.5	0.1			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G1

Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	22977.0	22977.0	22977.0	22977.0	22977.0	22977.0	22977.0	22977.0	22977.0	22977.0
2.5°	23006.2	23047.1	22842.5	22912.7	22941.9	22950.7	23023.7	23012.0	23032.5	22924.3
5°	22702.2	22623.2	22471.2	22474.2	22465.4	22383.5	22550.2	22538.5	22503.4	22374.8
7.5°	21667.3	21781.3	21494.9	21489.0	21483.2	21383.8	21603.0	21468.6	21497.8	21313.6
10°	20153.1	20167.7	19913.4	19890.0	19910.4	19781.8	20036.1	19983.5	20039.1	19846.1
12.5°	18296.8	18378.6	18098.0	18057.1	18138.9	17957.7	18162.3	18188.6	18106.8	18080.5
15°	14350.4	14566.7	15098.7	15911.4	16121.9	15969.9	16133.6	16130.6	16165.7	15966.9
17.5°	10933.1	10953.5	10827.8	11216.6	13467.5	14198.4	14233.4	13955.7	13745.3	13672.2
20°	9544.5	9614.7	9500.7	9532.8	9892.4	12035.1	12117.0	11699.0	11339.4	11310.2
22.5°	8439.5	8483.4	8401.5	8427.8	8445.3	8696.8	10120.4	9752.1	9579.6	9448.0
25°	7504.1	7504.1	7460.2	7469.0	7451.4	7080.2	7811.0	8232.0	8132.6	8085.8
27.5°	6650.5	6662.2	6606.6	6638.8	6425.4	5826.1	5738.4	6980.8	6875.5	6790.8
30°	5840.7	5878.7	5826.1	5843.6	5378.8	4887.7	4636.3	5823.2	5954.7	5931.3
32.5°	4396.6	4569.1	4993.0	5010.5	4379.1	4002.0	3890.9	4674.3	5174.2	5130.4
35°	2724.5	2715.7	2733.3	3575.2	3358.8	3101.6	3142.5	3531.3	4095.5	4075.0
37.5°	2078.5	2075.5	2107.7	2022.9	2201.2	2353.2	2385.4	2385.4	2990.5	2993.4
40°	1575.6	1564.0	1561.0	1426.6	1195.6	1765.7	1713.0	1669.2	2078.5	2122.3
42.5°	1005.6	1040.7	1014.4	868.2	780.5	964.7	1075.8	1040.7	1283.3	1315.5
45°	561.3	561.3	537.9	456.0	453.1	488.2	613.9	573.0	657.7	701.6
47.5°	271.9	266.0	292.3	359.6	374.2	362.5	438.5	456.0	497.0	537.9
50°	219.2	219.2	207.6	187.1	309.9	298.2	324.5	347.9	371.3	406.3
52.5°	184.2	184.2	169.6	157.9	178.3	228.0	230.9	274.8	271.9	321.6
55°	93.5	96.5	137.4	137.4	119.9	187.1	190.0	222.2	228.0	268.9
57.5°	8.8	11.7	17.5	84.8	93.5	102.3	143.2	163.7	190.0	207.6
60°	2.9	2.9	5.8	11.7	55.5	70.2	90.6	108.2	131.5	172.5
62.5°	0.0	0.0	2.9	5.8	11.7	43.8	49.7	55.5	78.9	108.2
65°	0.0	0.0	2.9	2.9	5.8	14.6	20.5	35.1	49.7	67.2
67.5°	0.0	0.0	2.9	2.9	5.8	8.8	11.7	17.5	23.4	43.8
70°	0.0	0.0	2.9	2.9	5.8	8.8	8.8	11.7	14.6	20.5
72.5°	0.0	0.0	2.9	2.9	5.8	11.7	8.8	8.8	11.7	14.6
75°	0.0	0.0	2.9	2.9	5.8	8.8	8.8	8.8	8.8	8.8
77.5°	0.0	0.0	2.9	2.9	5.8	8.8	8.8	8.8	5.8	5.8
80°	0.0	0.0	2.9	2.9	5.8	8.8	11.7	11.7	5.8	5.8
82.5°	0.0	0.0	2.9	5.8	5.8	14.6	17.5	14.6	5.8	2.9
85°	0.0	0.0	2.9	2.9	8.8	14.6	14.6	8.8	5.8	2.9
87.5°	0.0	0.0	0.0	2.9	2.9	5.8	8.8	8.8	2.9	2.9
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°
22977.0	0°	22977.0	22977.0	22977.0	22977.0	22977.0	22977.0	22977.0	22977.0	22977.0
22836.6	2.5°	22825.0	23003.3	23085.1	23000.4	22959.4	22901.0	22816.2	22757.7	22769.4
22304.6	5°	22254.9	22442.0	22506.3	22433.2	22371.8	22339.7	22325.1	22354.3	22430.3
21234.7	7.5°	21228.8	21348.7	21418.9	21383.8	21299.0	21395.5	21421.8	21404.2	21515.3
19787.7	10°	19793.5	19925.1	19860.7	19875.4	19776.0	19825.7	19811.1	19875.4	19986.5
18060.0	12.5°	17943.1	18068.8	18019.1	18010.3	17905.1	17998.6	17940.2	18010.3	18156.5
15885.1	15°	15999.1	16078.0	16045.9	15996.2	15902.6	15934.8	16116.0	16104.3	16168.6
13628.3	17.5°	13569.9	13949.9	14157.4	14201.3	14125.3	14189.6	14318.2	14286.1	14432.2
11248.8	20°	11228.3	11611.3	12122.8	12537.9	12546.7	12555.5	12637.3	12657.8	12783.5
9451.0	22.5°	9410.0	9681.9	10231.5	10781.0	11161.1	11240.0	11231.2	11260.5	11295.5
8021.5	25°	8001.0	8199.8	8702.6	9082.6	9749.1	9971.3	10035.6	9971.3	9991.8
6761.5	27.5°	6837.5	7141.6	7308.2	7714.5	8366.4	8880.9	8860.5	8822.5	8828.3
5884.6	30°	5881.6	6209.0	6454.6	6577.4	7068.5	7811.0	7887.0	7778.8	7781.8
5109.9	32.5°	5077.7	5180.0	5542.5	5641.9	5957.6	6632.9	6893.1	6811.2	6796.6
4086.7	35°	4206.6	4262.1	4428.8	4624.6	4811.7	5323.3	5753.0	5677.0	5715.0
3005.1	37.5°	2993.4	3221.5	3382.2	3543.0	3677.5	3999.0	4516.5	4446.3	4484.3
2128.1	40°	2110.6	2212.9	2490.6	2560.8	2759.6	2908.7	3347.2	3323.8	3370.5
1321.3	42.5°	1297.9	1371.0	1511.3	1578.6	1713.0	1797.8	2055.1	2084.3	2145.7
730.8	45°	736.7	768.8	865.3	938.4	1037.8	1072.8	1163.5	1204.4	1239.5
567.1	47.5°	561.3	596.3	660.7	725.0	806.8	836.1	900.4	961.8	993.9
438.5	50°	459.0	491.1	558.3	611.0	692.8	719.1	771.7	839.0	879.9
333.3	52.5°	347.9	394.6	476.5	532.0	616.8	649.0	698.7	765.9	803.9
274.8	55°	286.5	321.6	394.6	470.6	549.6	593.4	625.6	707.4	748.4
225.1	57.5°	245.6	271.9	318.6	409.3	476.5	540.8	567.1	643.1	684.0
178.3	60°	187.1	228.0	268.9	339.1	415.1	482.3	511.6	578.8	611.0
128.6	62.5°	154.9	181.2	233.9	271.9	356.6	426.8	456.0	517.4	540.8
84.8	65°	108.2	146.2	195.9	219.2	298.2	365.4	406.3	453.1	476.5
49.7	67.5°	64.3	108.2	154.9	187.1	242.6	309.9	353.7	397.6	418.0
29.2	70°	40.9	84.8	122.8	157.9	190.0	254.3	306.9	344.9	336.2
17.5	72.5°	23.4	52.6	90.6	128.6	157.9	213.4	263.1	292.3	207.6
11.7	75°	14.6	38.0	76.0	105.2	128.6	169.6	216.3	222.2	128.6
5.8	77.5°	11.7	29.2	58.5	84.8	87.7	125.7	152.0	172.5	96.5
5.8	80°	5.8	23.4	49.7	70.2	55.5	87.7	116.9	134.5	76.0
2.9	82.5°	5.8	14.6	38.0	49.7	40.9	67.2	84.8	96.5	64.3
2.9	85°	2.9	11.7	20.5	29.2	29.2	43.8	38.0	46.8	40.9
2.9	87.5°	2.9	5.8	11.7	14.6	11.7	17.5	20.5	20.5	17.5
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

180°
22977.0
22927.3
22588.2
21626.4
20030.3
18182.8
16183.3
14408.8
12757.2
11231.2
9959.6
8837.1
7784.7
6831.7
5750.1
4516.5
3388.1
2215.8
1236.5
1008.5
897.4
830.2
760.1
701.6
616.8
543.7
476.5
415.1
309.9
184.2
119.9
96.5
78.9
70.2
40.9
14.6
0.0

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