

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: P636459

Luminaire Tested: **IFLD-S-SA6C-930-U-55-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636459
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6C-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: 22005.4 lumens
Efficiency: N/A
Efficacy: 68.4 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): 321.5
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



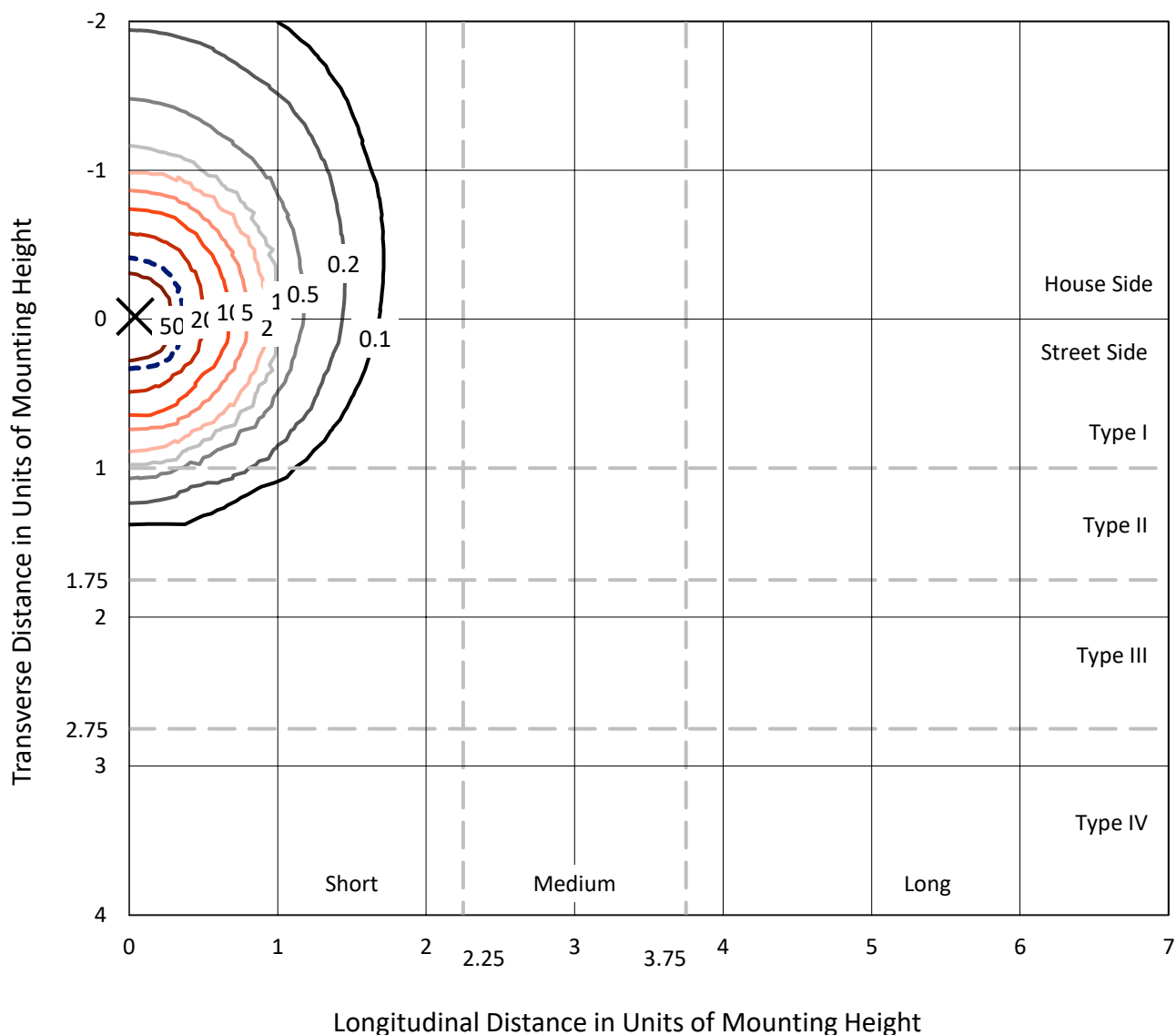
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

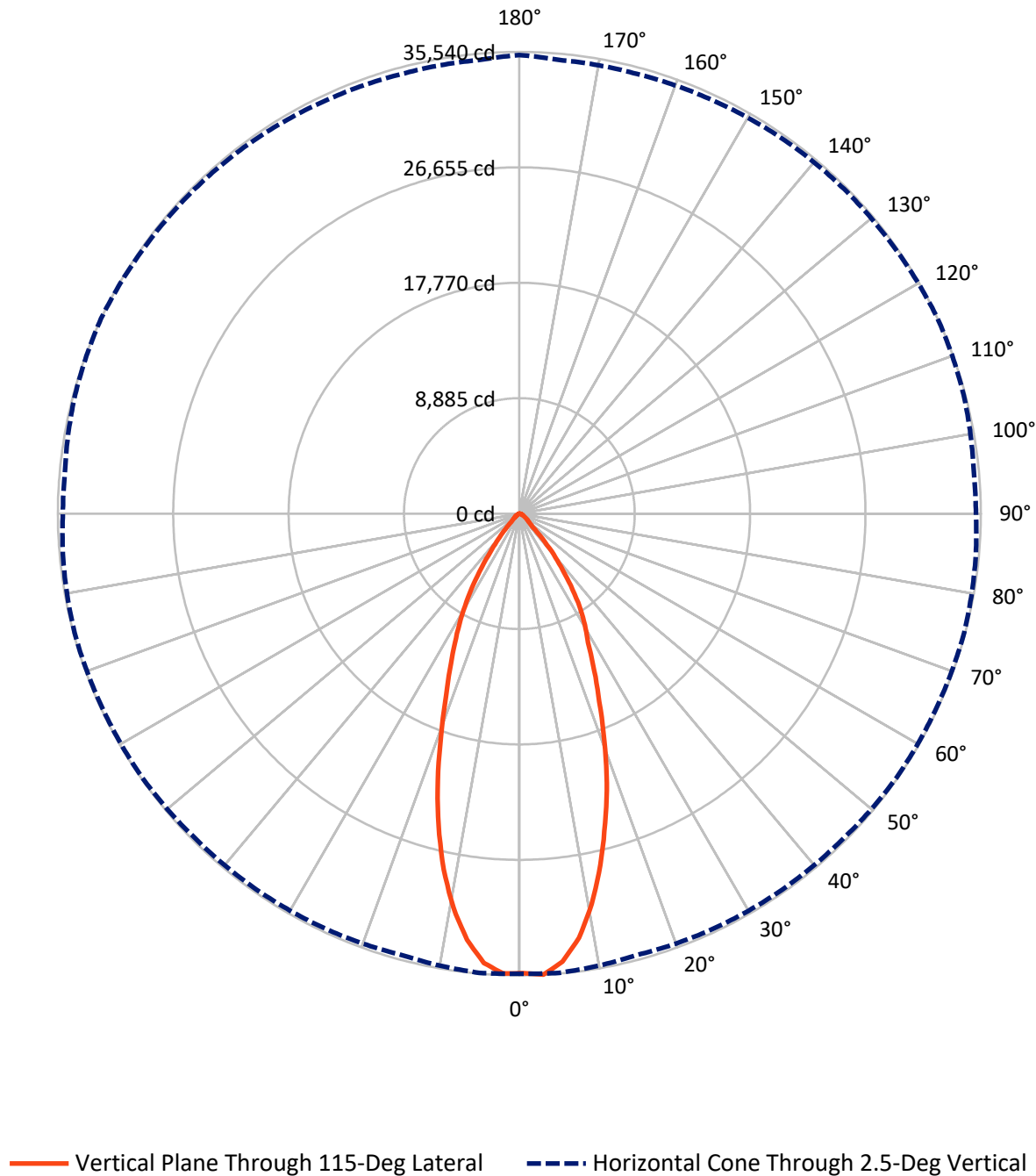


Based on 20 foot mounting height. Maximum calculated value = 88.4 fc

Type I - Short - N/A

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Luminous Intensity Polar Plot



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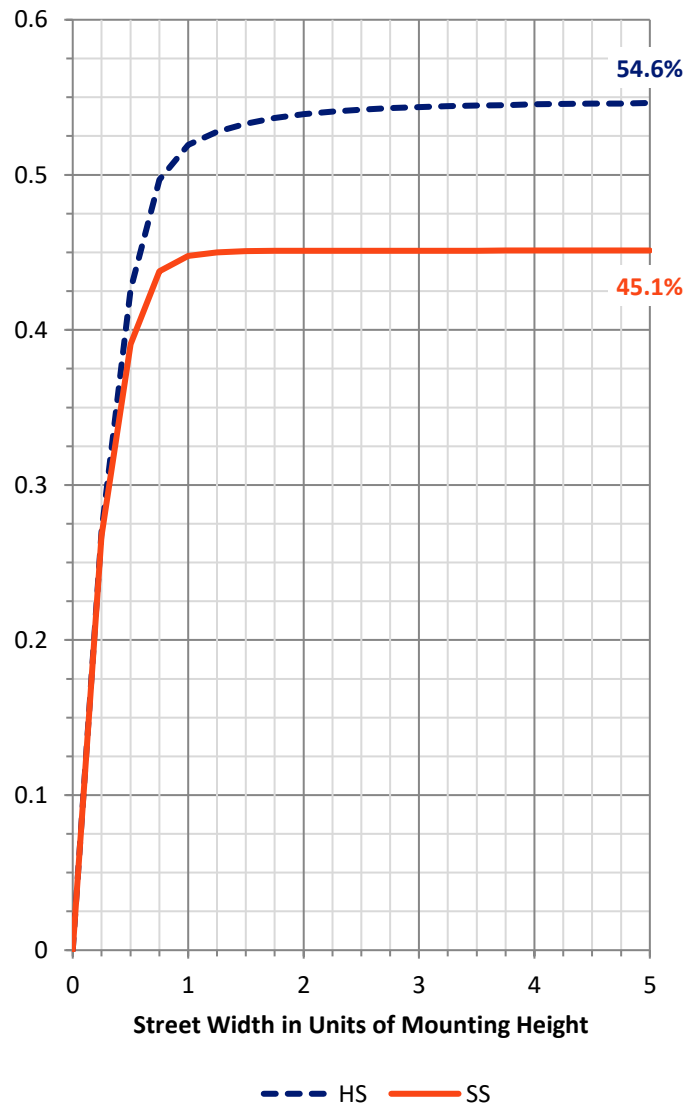
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12144.4	0.0	12144.4
	% Fixture	55.2	0.0	55.2
Street Side	Lumens	9861.0	0.0	9861.0
	% Fixture	44.8	0.0	44.8
Total	Lumens	22005.4	0.0	22005.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3172.8	14.4
10°-20°	6705.5	30.5
20°-30°	6052.2	27.5
30°-40°	4005.1	18.2
40°-50°	1199.7	5.5
50°-60°	481.3	2.2
60°-70°	249.2	1.1
70°-80°	108.2	0.5
80°-90°	31.5	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°	22005.4	100.0
0°-180°	22005.4	100.0

Coefficient of Utilization



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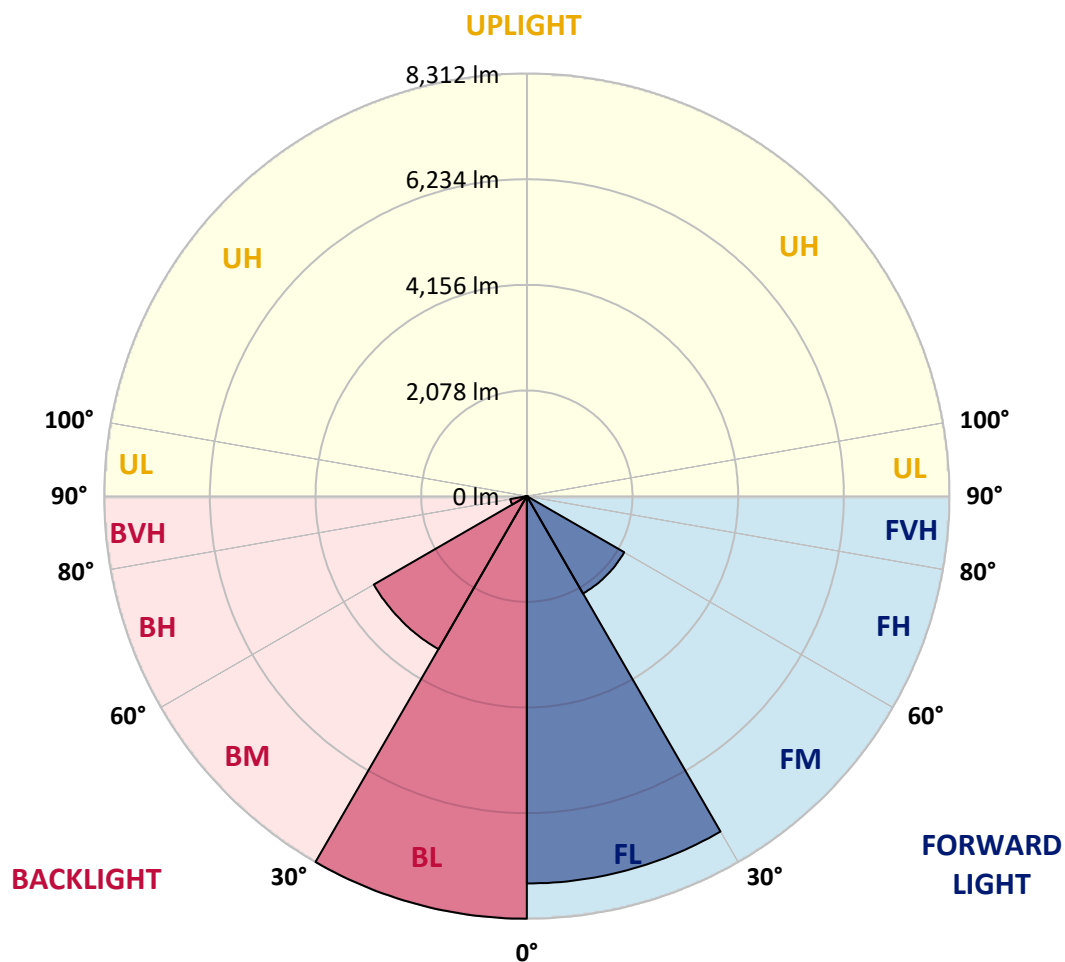
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	7618.4	34.6			
FM	(30°-60°)	2210.6	10.0			
FH	(60°-80°)	27.4	0.1			G0/660
FVH	(80°-90°)	4.5	0.0			G0/10
BL	(0°-30°)	8312.0	37.8	B5		
BM	(30°-60°)	3475.4	15.8	B3/5000		
BH	(60°-80°)	330.0	1.5	B1/500		G1/500
BVH	(80°-90°)	26.9	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°	35373.7	35373.7	35373.7	35373.7	35373.7	35373.7	35373.7	35373.7	35373.7	35373.7
2.5°	35418.7	35481.7	35166.7	35274.7	35319.7	35333.2	35445.7	35427.7	35459.2	35292.7
5°	34950.7	34829.2	34595.1	34599.6	34586.1	34460.1	34716.7	34698.7	34644.6	34446.6
7.5°	33357.5	33533.0	33092.0	33083.0	33074.0	32921.0	33258.5	33051.5	33096.5	32813.0
10°	31026.3	31048.8	30657.2	30621.2	30652.7	30454.7	30846.2	30765.2	30850.7	30553.7
12.5°	28168.5	28294.5	27862.4	27799.4	27925.4	27646.4	27961.4	28001.9	27875.9	27835.4
15°	22092.8	22425.9	23244.9	24496.1	24820.1	24586.1	24838.1	24833.6	24887.6	24581.6
17.5°	16831.8	16863.3	16669.8	17268.3	20733.7	21858.8	21912.8	21485.3	21161.2	21048.7
20°	14694.0	14802.1	14626.5	14676.0	15229.6	18528.4	18654.5	18010.9	17457.3	17412.3
22.5°	12992.9	13060.4	12934.4	12974.9	13001.9	13388.9	15580.6	15013.6	14748.1	14545.5
25°	11552.7	11552.7	11485.2	11498.7	11471.7	10900.1	12025.3	12673.3	12520.3	12448.3
27.5°	10238.6	10256.6	10171.1	10220.6	9892.0	8969.4	8834.4	10747.1	10585.1	10454.6
30°	8991.9	9050.5	8969.4	8996.4	8280.9	7524.8	7137.8	8964.9	9167.5	9131.5
32.5°	6768.7	7034.2	7686.8	7713.8	6741.7	6161.1	5990.1	7196.3	7965.8	7898.3
35°	4194.4	4180.9	4207.9	5504.1	5171.0	4775.0	4838.0	5436.6	6305.2	6273.7
37.5°	3199.8	3195.3	3244.8	3114.3	3388.9	3622.9	3672.4	3672.4	4604.0	4608.5
40°	2425.8	2407.8	2403.3	2196.2	1840.7	2718.3	2637.3	2569.8	3199.8	3267.3
42.5°	1548.2	1602.2	1561.7	1336.6	1201.6	1485.2	1656.2	1602.2	1975.7	2025.2
45°	864.1	864.1	828.1	702.1	697.6	751.6	945.1	882.1	1012.6	1080.1
47.5°	418.5	409.5	450.0	553.6	576.1	558.1	675.1	702.1	765.1	828.1
50°	337.5	337.5	319.5	288.0	477.1	459.0	499.6	535.6	571.6	625.6
52.5°	283.5	283.5	261.0	243.0	274.5	351.0	355.5	423.0	418.5	495.1
55°	144.0	148.5	211.5	211.5	184.5	288.0	292.5	342.0	351.0	414.0
57.5°	13.5	18.0	27.0	130.5	144.0	157.5	220.5	252.0	292.5	319.5
60°	4.5	4.5	9.0	18.0	85.5	108.0	139.5	166.5	202.5	265.5
62.5°	0.0	0.0	4.5	9.0	18.0	67.5	76.5	85.5	121.5	166.5
65°	0.0	0.0	4.5	4.5	9.0	22.5	31.5	54.0	76.5	103.5
67.5°	0.0	0.0	4.5	4.5	9.0	13.5	18.0	27.0	36.0	67.5
70°	0.0	0.0	4.5	4.5	9.0	13.5	13.5	18.0	22.5	31.5
72.5°	0.0	0.0	4.5	4.5	9.0	18.0	13.5	13.5	18.0	22.5
75°	0.0	0.0	4.5	4.5	9.0	13.5	13.5	13.5	13.5	13.5
77.5°	0.0	0.0	4.5	4.5	9.0	13.5	13.5	13.5	9.0	9.0
80°	0.0	0.0	4.5	4.5	9.0	13.5	18.0	18.0	9.0	9.0
82.5°	0.0	0.0	4.5	9.0	9.0	22.5	27.0	22.5	9.0	4.5
85°	0.0	0.0	4.5	4.5	13.5	22.5	22.5	13.5	9.0	4.5
87.5°	0.0	0.0	0.0	4.5	4.5	9.0	13.5	13.5	4.5	4.5
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°
35373.7	0°	35373.7	35373.7	35373.7	35373.7	35373.7	35373.7	35373.7	35373.7	35373.7
35157.7	2.5°	35139.7	35414.2	35540.2	35409.7	35346.7	35256.7	35126.2	35036.2	35054.2
34338.6	5°	34262.1	34550.1	34649.1	34536.6	34442.1	34392.6	34370.1	34415.1	34532.1
32691.4	7.5°	32682.4	32867.0	32975.0	32921.0	32790.4	32939.0	32979.5	32952.5	33123.5
30463.7	10°	30472.7	30675.2	30576.2	30598.7	30445.7	30522.2	30499.7	30598.7	30769.7
27803.9	12.5°	27623.9	27817.4	27740.9	27727.4	27565.4	27709.4	27619.4	27727.4	27952.4
24455.6	15°	24631.1	24752.6	24703.1	24626.6	24482.6	24532.1	24811.1	24793.1	24892.1
20981.2	17.5°	20891.2	21476.3	21795.8	21863.3	21746.3	21845.3	22043.3	21993.8	22218.8
17317.8	20°	17286.3	17875.9	18663.5	19302.5	19316.0	19329.5	19455.5	19487.1	19680.6
14550.0	22.5°	14487.0	14905.6	15751.7	16597.7	17182.8	17304.3	17290.8	17335.8	17389.8
12349.3	25°	12317.8	12623.8	13397.9	13983.0	15009.1	15351.1	15450.1	15351.1	15382.6
10409.6	27.5°	10526.6	10994.7	11251.2	11876.7	12880.4	13672.4	13640.9	13582.4	13591.4
9059.5	30°	9055.0	9559.0	9937.0	10126.1	10882.1	12025.3	12142.3	11975.8	11980.3
7866.8	32.5°	7817.3	7974.8	8532.9	8685.9	9172.0	10211.6	10612.1	10486.1	10463.6
6291.7	35°	6476.2	6561.7	6818.2	7119.7	7407.8	8195.4	8856.9	8739.9	8798.4
4626.5	37.5°	4608.5	4959.5	5207.0	5454.6	5661.6	6156.6	6953.2	6845.2	6903.7
3276.3	40°	3249.3	3406.9	3834.4	3942.4	4248.4	4478.0	5153.0	5117.0	5189.0
2034.2	42.5°	1998.2	2110.7	2326.7	2430.3	2637.3	2767.8	3163.8	3208.8	3303.3
1125.1	45°	1134.1	1183.6	1332.1	1444.7	1597.7	1651.7	1791.2	1854.2	1908.2
873.1	47.5°	864.1	918.1	1017.1	1116.1	1242.1	1287.1	1386.1	1480.7	1530.2
675.1	50°	706.6	756.1	859.6	940.6	1066.6	1107.1	1188.1	1291.6	1354.6
513.1	52.5°	535.6	607.6	733.6	819.1	949.6	999.1	1075.6	1179.1	1237.6
423.0	55°	441.0	495.1	607.6	724.6	846.1	913.6	963.1	1089.1	1152.1
346.5	57.5°	378.0	418.5	490.6	630.1	733.6	832.6	873.1	990.1	1053.1
274.5	60°	288.0	351.0	414.0	522.1	639.1	742.6	787.6	891.1	940.6
198.0	62.5°	238.5	279.0	360.0	418.5	549.1	657.1	702.1	796.6	832.6
130.5	65°	166.5	225.0	301.5	337.5	459.0	562.6	625.6	697.6	733.6
76.5	67.5°	99.0	166.5	238.5	288.0	373.5	477.1	544.6	612.1	643.6
45.0	70°	63.0	130.5	189.0	243.0	292.5	391.5	472.5	531.1	517.6
27.0	72.5°	36.0	81.0	139.5	198.0	243.0	328.5	405.0	450.0	319.5
18.0	75°	22.5	58.5	117.0	162.0	198.0	261.0	333.0	342.0	198.0
9.0	77.5°	18.0	45.0	90.0	130.5	135.0	193.5	234.0	265.5	148.5
9.0	80°	9.0	36.0	76.5	108.0	85.5	135.0	180.0	207.0	117.0
4.5	82.5°	9.0	22.5	58.5	76.5	63.0	103.5	130.5	148.5	99.0
4.5	85°	4.5	18.0	31.5	45.0	45.0	67.5	58.5	72.0	63.0
4.5	87.5°	4.5	9.0	18.0	22.5	18.0	27.0	31.5	31.5	27.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

180°
35373.7
35297.2
34775.2
33294.5
30837.2
27992.9
24914.6
22182.8
19640.1
17290.8
15333.1
13604.9
11984.8
10517.6
8852.4
6953.2
5216.0
3411.4
1903.7
1552.7
1381.6
1278.1
1170.1
1080.1
949.6
837.1
733.6
639.1
477.1
283.5
184.5
148.5
121.5
108.0
63.0
22.5
0.0

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