

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: P636430

Luminaire Tested: **IFLD-S-SA6C-927-U-55-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636430
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6C-927-U-55-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 5 distribution lens and Visor
Light Source: (96) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21768.2 lumens
Efficiency: N/A
Efficacy: 67.7 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



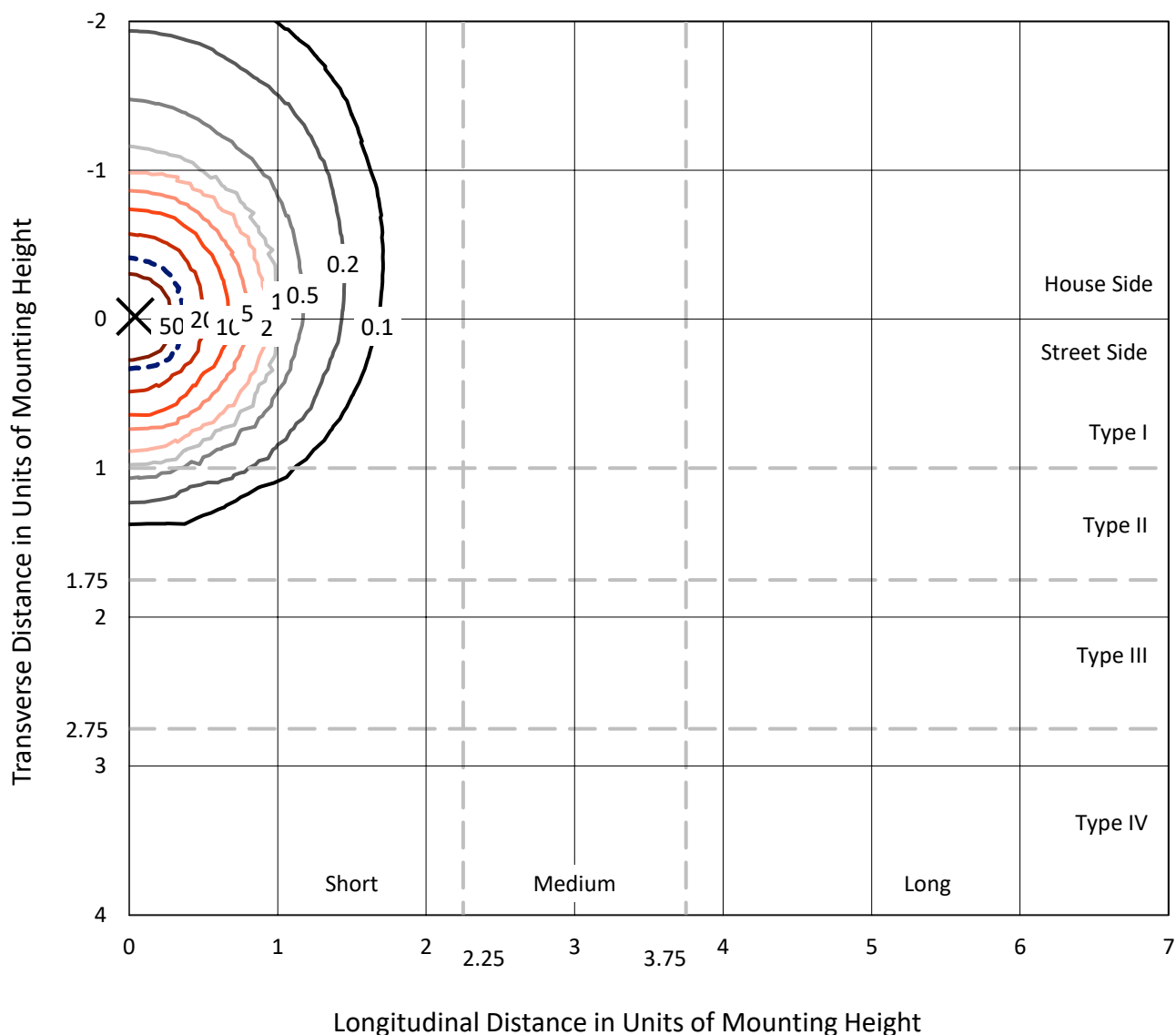
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

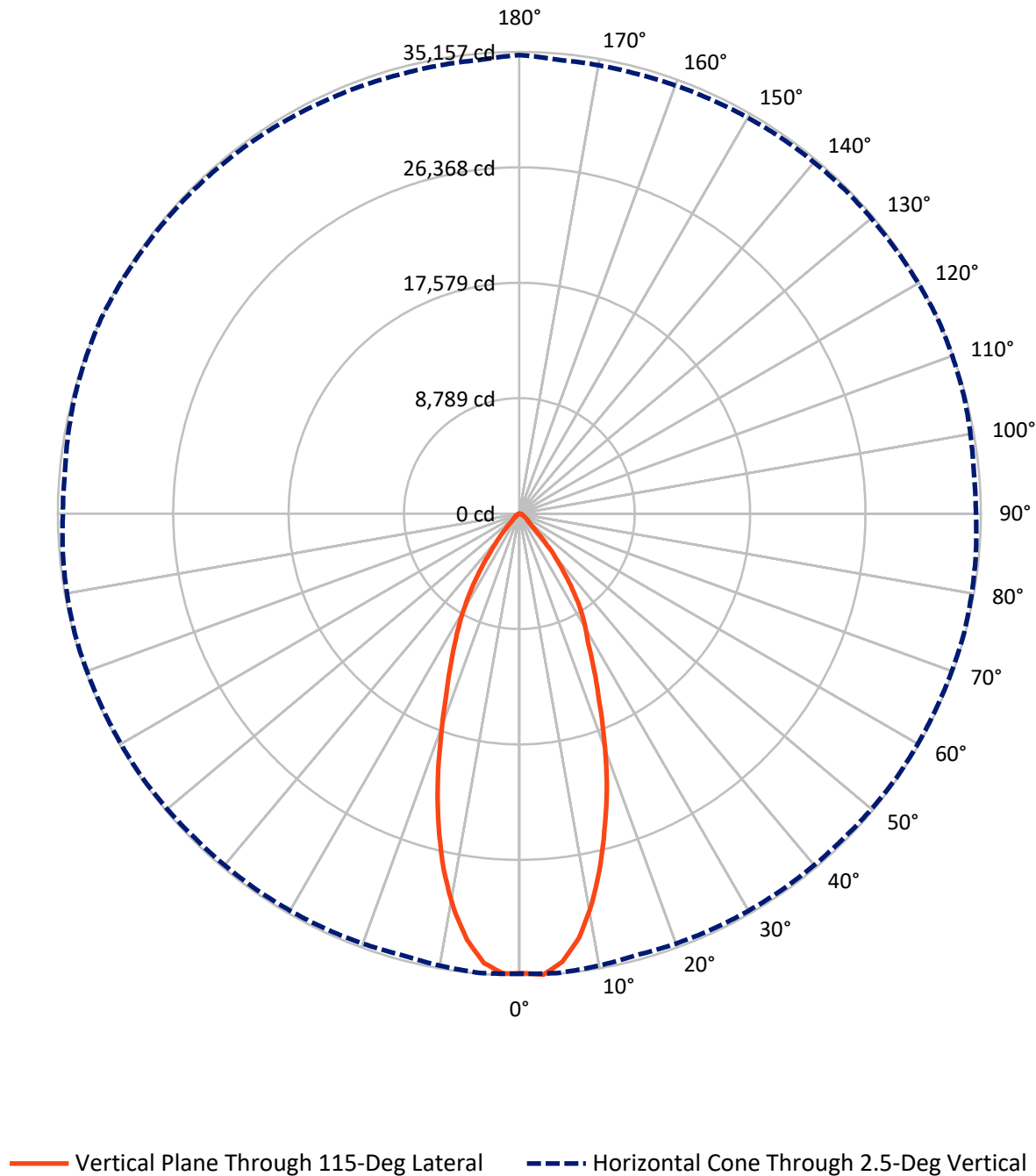


Based on 20 foot mounting height. Maximum calculated value = 87.5 fc

Type I - Short - N/A

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Luminous Intensity Polar Plot



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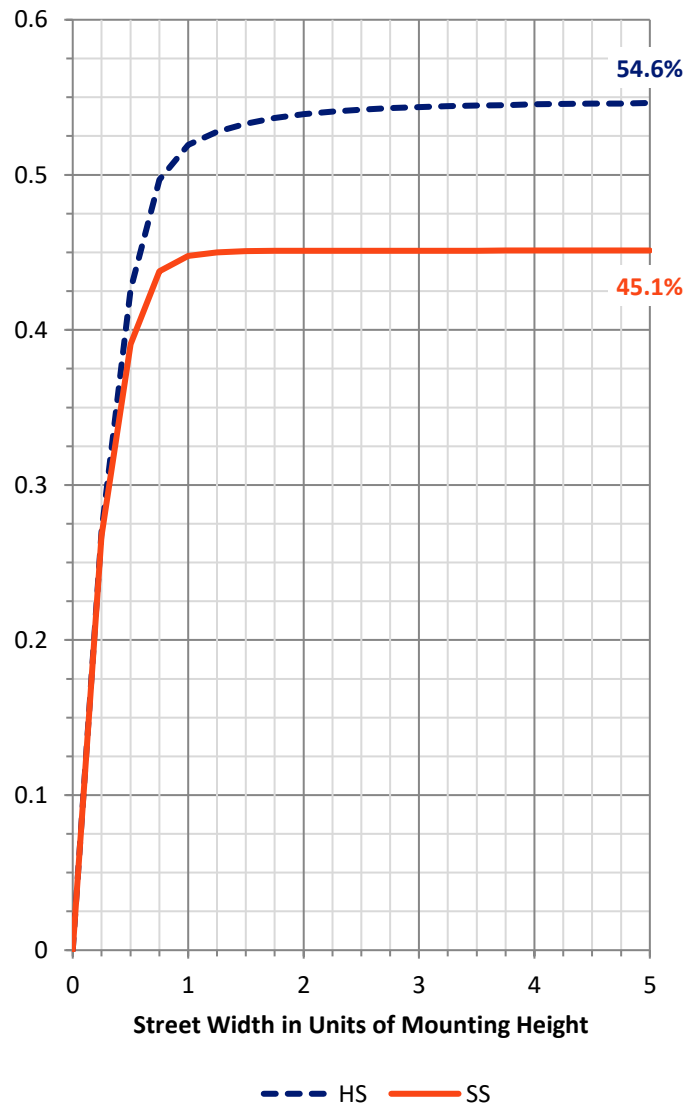
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12013.5	0.0	12013.5
	% Fixture	55.2	0.0	55.2
Street Side	Lumens	9754.7	0.0	9754.7
	% Fixture	44.8	0.0	44.8
Total	Lumens	21768.2	0.0	21768.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3138.5	14.4
10°-20°	6633.2	30.5
20°-30°	5986.9	27.5
30°-40°	3961.9	18.2
40°-50°	1186.8	5.5
50°-60°	476.1	2.2
60°-70°	246.5	1.1
70°-80°	107.0	0.5
80°-90°	31.1	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°	21768.2	100.0
0°-180°	21768.2	100.0

Coefficient of Utilization



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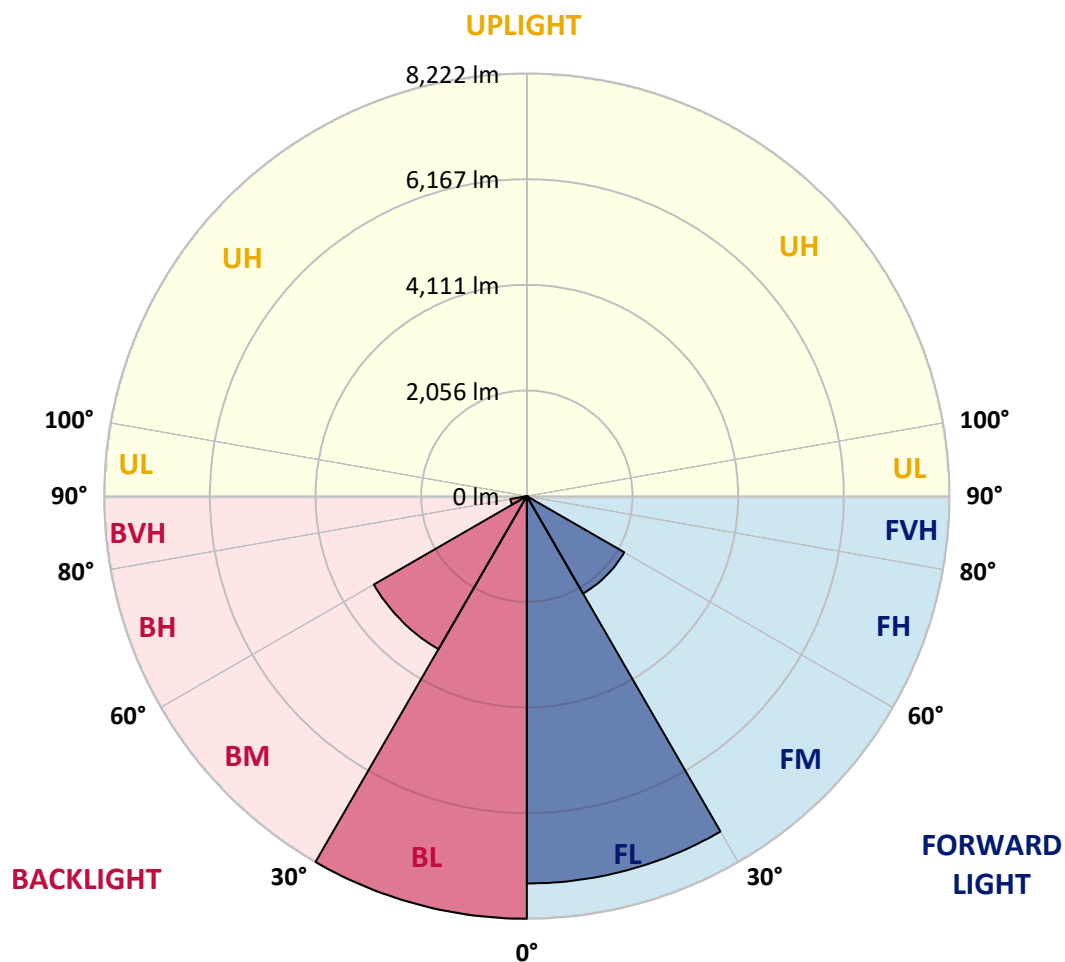
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	7536.3	34.6			
FM	(30°-60°)	2186.8	10.0			
FH	(60°-80°)	27.1	0.1			G0/660
FVH	(80°-90°)	4.5	0.0			G0/10
BL	(0°-30°)	8222.4	37.8	B5		
BM	(30°-60°)	3438.0	15.8	B3/5000		
BH	(60°-80°)	326.5	1.5	B1/500		G1/500
BVH	(80°-90°)	26.7	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°	34992.3	34992.3	34992.3	34992.3	34992.3	34992.3	34992.3	34992.3	34992.3	34992.3
2.5°	35036.9	35099.2	34787.6	34894.4	34938.9	34952.3	35063.6	35045.8	35076.9	34912.2
5°	34573.9	34453.7	34222.2	34226.6	34213.3	34088.6	34342.4	34324.6	34271.1	34075.2
7.5°	32997.9	33171.5	32735.2	32726.3	32717.4	32566.0	32899.9	32695.1	32739.7	32459.2
10°	30691.8	30714.0	30326.7	30291.1	30322.3	30126.4	30513.7	30433.5	30518.1	30224.3
12.5°	27864.8	27989.4	27562.0	27499.7	27624.4	27348.3	27660.0	27700.1	27575.4	27535.3
15°	21854.6	22184.1	22994.3	24232.0	24552.5	24321.0	24570.3	24565.9	24619.3	24316.6
17.5°	16650.3	16681.5	16490.0	17082.1	20510.1	21623.1	21676.6	21253.6	20933.1	20821.8
20°	14535.6	14642.5	14468.8	14517.8	15065.4	18328.7	18453.3	17816.7	17269.1	17224.6
22.5°	12852.8	12919.6	12794.9	12835.0	12861.7	13244.6	15412.7	14851.7	14589.0	14388.7
25°	11428.2	11428.2	11361.4	11374.7	11348.0	10782.6	11895.6	12536.7	12385.3	12314.1
27.5°	10128.2	10146.0	10061.4	10110.4	9785.4	8872.7	8739.2	10631.3	10471.0	10341.9
30°	8895.0	8952.9	8872.7	8899.5	8191.6	7443.7	7060.8	8868.3	9068.6	9033.0
32.5°	6695.7	6958.4	7603.9	7630.6	6669.0	6094.7	5925.5	7118.7	7880.0	7813.2
35°	4149.2	4135.9	4162.6	5444.7	5115.3	4723.5	4785.8	5378.0	6237.2	6206.0
37.5°	3165.3	3160.9	3209.9	3080.8	3352.3	3583.8	3632.8	3632.8	4554.3	4558.8
40°	2399.6	2381.8	2377.3	2172.6	1820.8	2689.0	2608.8	2542.1	3165.3	3232.1
42.5°	1531.5	1584.9	1544.8	1322.2	1188.7	1469.1	1638.3	1584.9	1954.4	2003.4
45°	854.8	854.8	819.2	694.5	690.1	743.5	934.9	872.6	1001.7	1068.5
47.5°	414.0	405.1	445.2	547.6	569.8	552.0	667.8	694.5	756.8	819.2
50°	333.9	333.9	316.1	284.9	471.9	454.1	494.2	529.8	565.4	618.8
52.5°	280.5	280.5	258.2	240.4	271.6	347.3	351.7	418.5	414.0	489.7
55°	142.5	146.9	209.2	209.2	182.5	284.9	289.4	338.3	347.3	409.6
57.5°	13.4	17.8	26.7	129.1	142.5	155.8	218.1	249.3	289.4	316.1
60°	4.5	4.5	8.9	17.8	84.6	106.8	138.0	164.7	200.3	262.7
62.5°	0.0	0.0	4.5	8.9	17.8	66.8	75.7	84.6	120.2	164.7
65°	0.0	0.0	4.5	4.5	8.9	22.3	31.2	53.4	75.7	102.4
67.5°	0.0	0.0	4.5	4.5	8.9	13.4	17.8	26.7	35.6	66.8
70°	0.0	0.0	4.5	4.5	8.9	13.4	13.4	17.8	22.3	31.2
72.5°	0.0	0.0	4.5	4.5	8.9	17.8	13.4	13.4	17.8	22.3
75°	0.0	0.0	4.5	4.5	8.9	13.4	13.4	13.4	13.4	13.4
77.5°	0.0	0.0	4.5	4.5	8.9	13.4	13.4	13.4	8.9	8.9
80°	0.0	0.0	4.5	4.5	8.9	13.4	17.8	17.8	8.9	8.9
82.5°	0.0	0.0	4.5	8.9	8.9	22.3	26.7	22.3	8.9	4.5
85°	0.0	0.0	4.5	4.5	13.4	22.3	22.3	13.4	8.9	4.5
87.5°	0.0	0.0	0.0	4.5	4.5	8.9	13.4	13.4	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°
34992.3	0°	34992.3	34992.3	34992.3	34992.3	34992.3	34992.3	34992.3	34992.3	34992.3
34778.7	2.5°	34760.8	35032.4	35157.1	35028.0	34965.6	34876.6	34747.5	34658.5	34676.3
33968.4	5°	33892.7	34177.6	34275.6	34164.3	34070.8	34021.8	33999.6	34044.1	34159.8
32339.0	7.5°	32330.1	32512.6	32619.5	32566.0	32436.9	32583.8	32623.9	32597.2	32766.4
30135.3	10°	30144.2	30344.5	30246.6	30268.8	30117.5	30193.1	30170.9	30268.8	30438.0
27504.2	12.5°	27326.1	27517.5	27441.8	27428.5	27268.2	27410.7	27321.6	27428.5	27651.1
24191.9	15°	24365.5	24485.7	24436.8	24361.1	24218.6	24267.6	24543.6	24525.8	24623.8
20755.0	17.5°	20666.0	21244.7	21560.8	21627.6	21511.8	21609.8	21805.7	21756.7	21979.3
17131.1	20°	17100.0	17683.2	18462.2	19094.4	19107.8	19121.1	19245.8	19277.0	19468.4
14393.2	22.5°	14330.8	14744.9	15581.8	16418.8	16997.6	17117.8	17104.4	17148.9	17202.3
12216.2	25°	12185.0	12487.7	13253.5	13832.2	14847.3	15185.6	15283.6	15185.6	15216.8
10297.4	27.5°	10413.1	10876.1	11129.9	11748.7	12741.5	13525.0	13493.9	13436.0	13444.9
8961.8	30°	8957.3	9455.9	9829.9	10016.9	10764.8	11895.6	12011.4	11846.6	11851.1
7782.0	32.5°	7733.0	7888.9	8440.9	8592.3	9073.1	10101.5	10497.7	10373.0	10350.8
6223.8	35°	6406.4	6490.9	6744.7	7043.0	7327.9	8107.0	8761.4	8645.7	8703.6
4576.6	37.5°	4558.8	4906.1	5150.9	5395.8	5600.6	6090.3	6878.3	6771.4	6829.3
3241.0	40°	3214.3	3370.1	3793.1	3899.9	4202.6	4429.7	5097.5	5061.9	5133.1
2012.3	42.5°	1976.7	2088.0	2301.7	2404.1	2608.8	2738.0	3129.7	3174.2	3267.7
1113.0	45°	1121.9	1170.9	1317.8	1429.1	1580.4	1633.9	1771.9	1834.2	1887.6
863.7	47.5°	854.8	908.2	1006.1	1104.1	1228.7	1273.3	1371.2	1464.7	1513.7
667.8	50°	699.0	747.9	850.3	930.5	1055.1	1095.2	1175.3	1277.7	1340.0
507.5	52.5°	529.8	601.0	725.7	810.3	939.4	988.3	1064.0	1166.4	1224.3
418.5	55°	436.3	489.7	601.0	716.8	837.0	903.7	952.7	1077.4	1139.7
342.8	57.5°	374.0	414.0	485.3	623.3	725.7	823.6	863.7	979.4	1041.8
271.6	60°	284.9	347.3	409.6	516.4	632.2	734.6	779.1	881.5	930.5
195.9	62.5°	236.0	276.0	356.2	414.0	543.1	650.0	694.5	788.0	823.6
129.1	65°	164.7	222.6	298.3	333.9	454.1	556.5	618.8	690.1	725.7
75.7	67.5°	97.9	164.7	236.0	284.9	369.5	471.9	538.7	605.5	636.6
44.5	70°	62.3	129.1	187.0	240.4	289.4	387.3	467.5	525.3	512.0
26.7	72.5°	35.6	80.1	138.0	195.9	240.4	325.0	400.7	445.2	316.1
17.8	75°	22.3	57.9	115.8	160.3	195.9	258.2	329.4	338.3	195.9
8.9	77.5°	17.8	44.5	89.0	129.1	133.6	191.4	231.5	262.7	146.9
8.9	80°	8.9	35.6	75.7	106.8	84.6	133.6	178.1	204.8	115.8
4.5	82.5°	8.9	22.3	57.9	75.7	62.3	102.4	129.1	146.9	97.9
4.5	85°	4.5	17.8	31.2	44.5	44.5	66.8	57.9	71.2	62.3
4.5	87.5°	4.5	8.9	17.8	22.3	17.8	26.7	31.2	31.2	26.7
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

180°
34992.3
34916.7
34400.2
32935.5
30504.8
27691.1
24646.0
21943.7
19428.3
17104.4
15167.8
13458.3
11855.6
10404.2
8757.0
6878.3
5159.8
3374.6
1883.2
1535.9
1366.7
1264.4
1157.5
1068.5
939.4
828.1
725.7
632.2
471.9
280.5
182.5
146.9
120.2
106.8
62.3
22.3
0.0

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