

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: P636545

Luminaire Tested: **IFLD-S-SA6B-950-U-55-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636545
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6B-950-U-55-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 5
distribution lens and Visor
Light Source: (96) 5000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19959 lumens
Efficiency: N/A
Efficacy: 81.5 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): 244.9
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

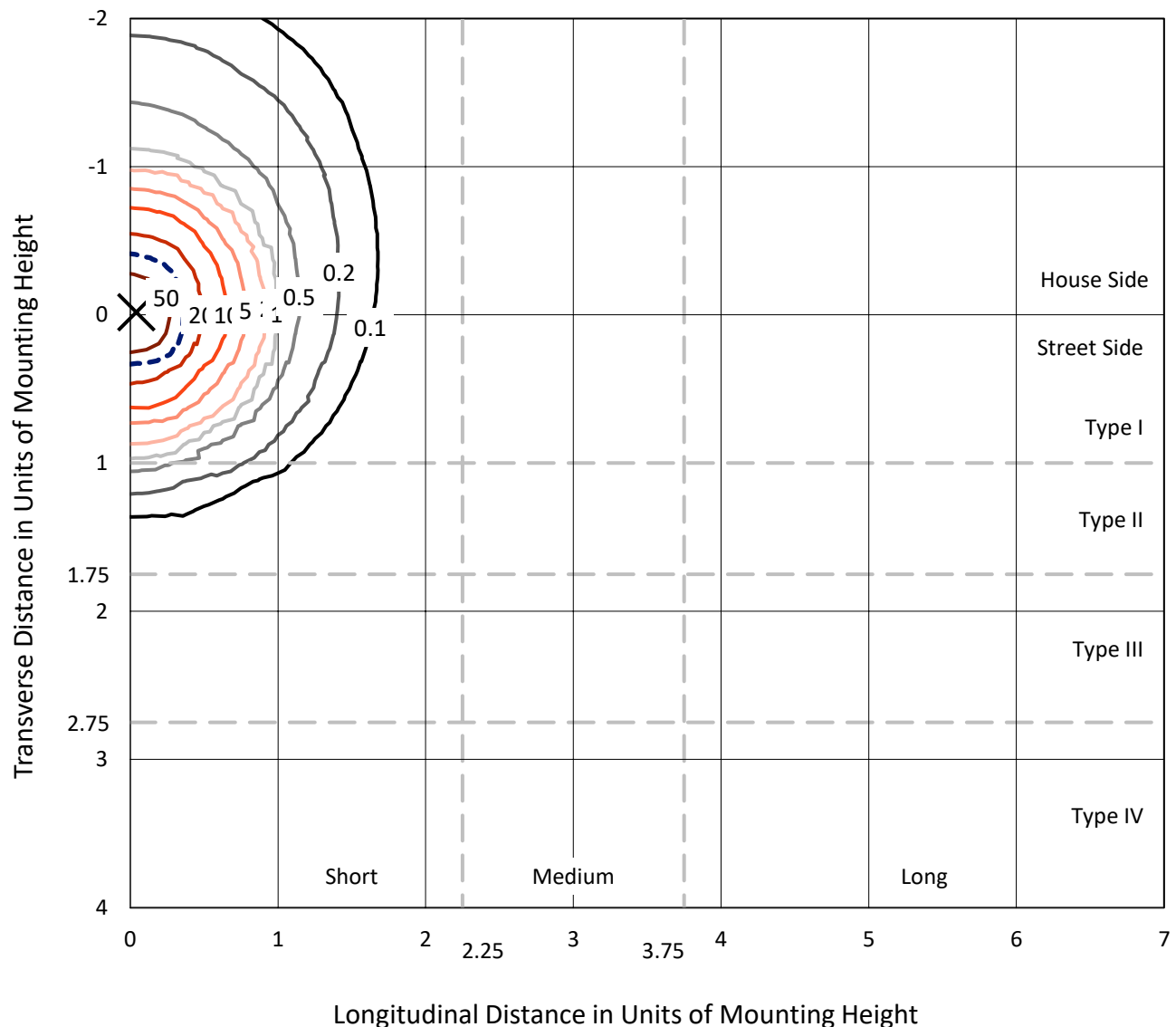


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

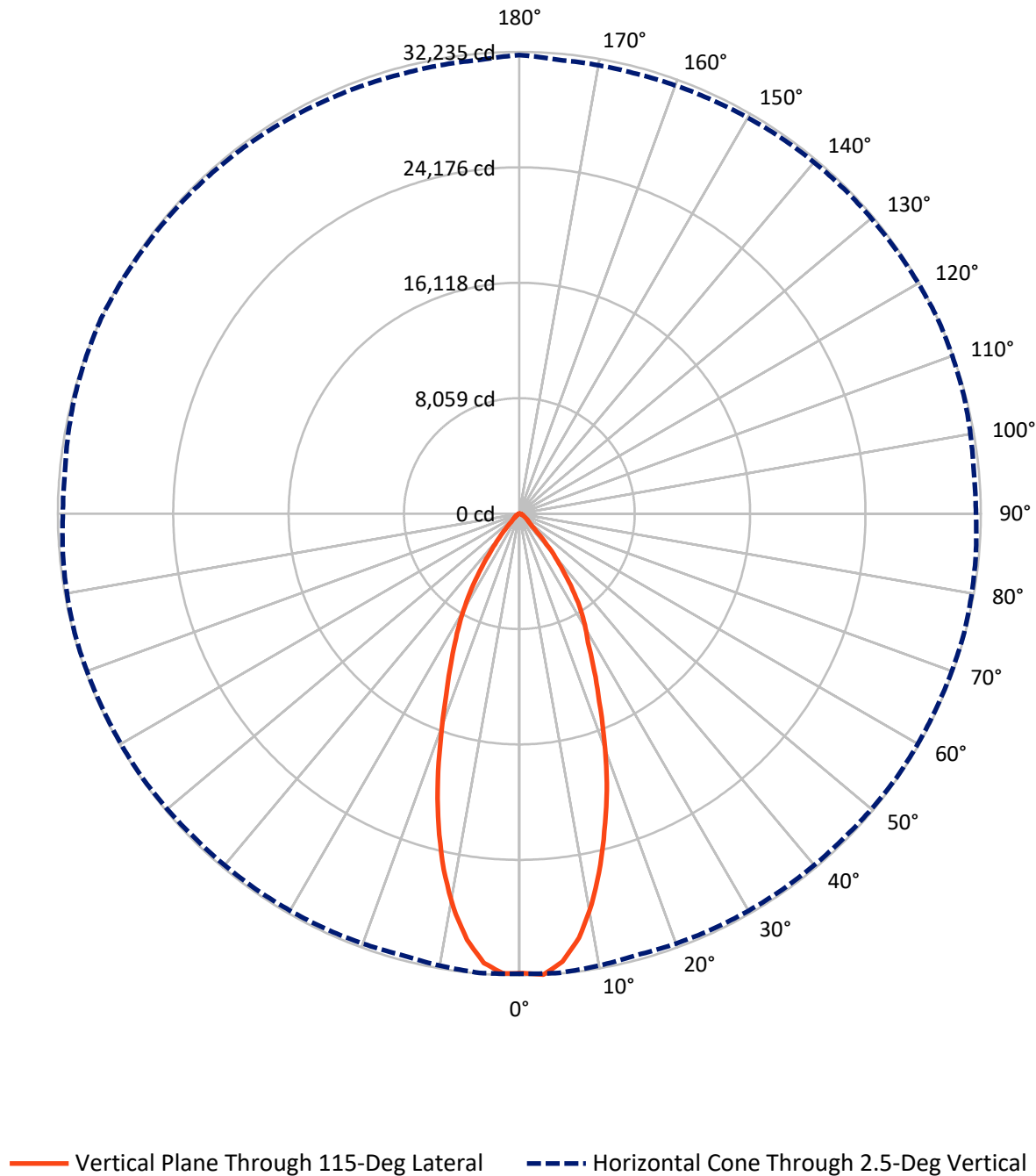


Based on 20 foot mounting height. Maximum calculated value = 80.2 fc

Type I - Short - N/A

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Luminous Intensity Polar Plot



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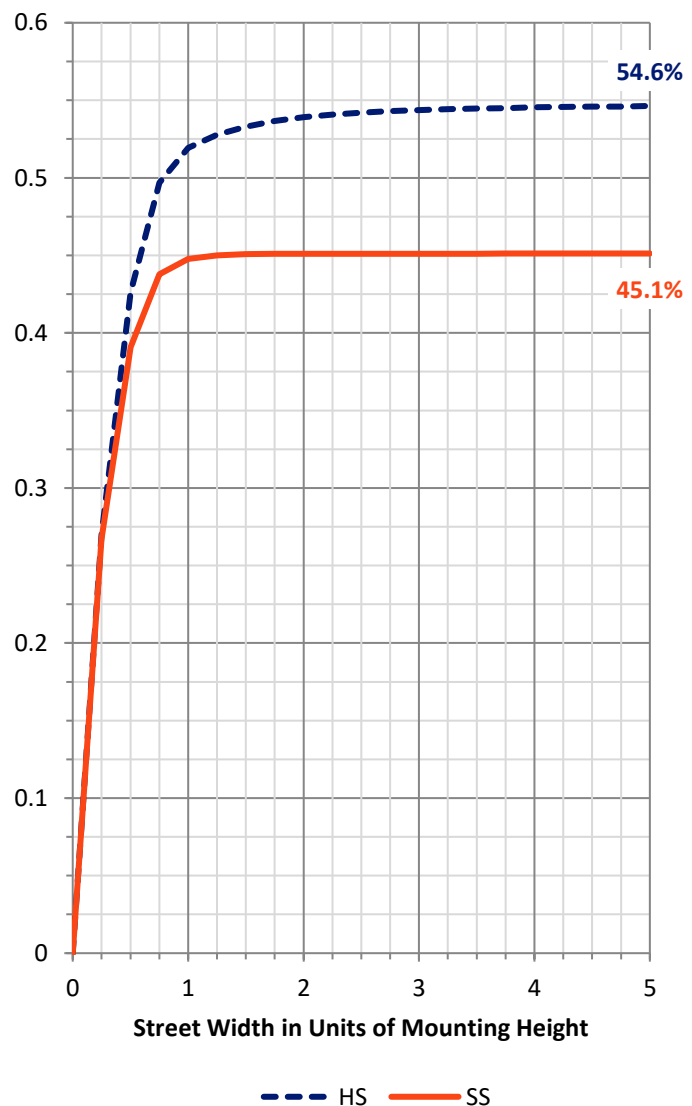
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11015.1	0.0	11015.1
	% Fixture	55.2	0.0	55.2
Street Side	Lumens	8944.0	0.0	8944.0
	% Fixture	44.8	0.0	44.8
Total	Lumens	19959.0	0.0	19959.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2877.7	14.4
10°-20°	6082.0	30.5
20°-30°	5489.4	27.5
30°-40°	3632.6	18.2
40°-50°	1088.2	5.5
50°-60°	436.5	2.2
60°-70°	226.0	1.1
70°-80°	98.1	0.5
80°-90°	28.5	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°	19959.0	100.0
0°-180°	19959.0	100.0

Coefficient of Utilization



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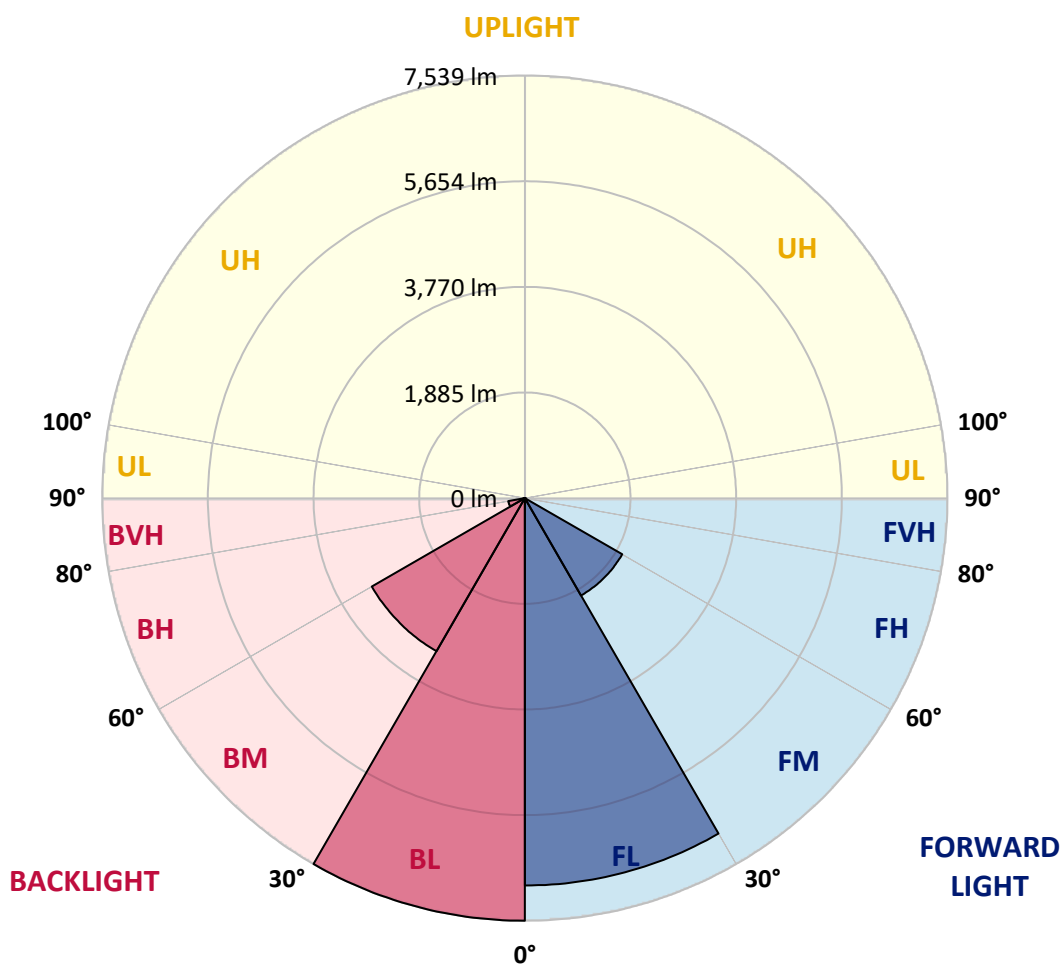
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	6910.0	34.6			
FM	(30°-60°)	2005.1	10.0			
FH	(60°-80°)	24.8	0.1			G0/660
FVH	(80°-90°)	4.1	0.0			G0/10
BL	(0°-30°)	7539.0	37.8	B5		
BM	(30°-60°)	3152.3	15.8	B3/5000		
BH	(60°-80°)	299.3	1.5	B1/500		G1/500
BVH	(80°-90°)	24.4	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°	32084.2	32084.2	32084.2	32084.2	32084.2	32084.2	32084.2	32084.2	32084.2	32084.2
2.5°	32125.0	32182.1	31896.4	31994.4	32035.2	32047.4	32149.5	32133.2	32161.7	32010.7
5°	31700.5	31590.3	31378.0	31382.1	31369.8	31255.5	31488.2	31471.9	31422.9	31243.3
7.5°	30255.5	30414.6	30014.6	30006.5	29998.3	29859.5	30165.7	29977.9	30018.7	29761.5
10°	28141.0	28161.4	27806.3	27773.6	27802.2	27622.6	27977.7	27904.2	27981.8	27712.4
12.5°	25549.0	25663.3	25271.4	25214.2	25328.5	25075.5	25361.2	25397.9	25283.6	25246.9
15°	20038.3	20340.4	21083.3	22218.1	22512.0	22299.7	22528.3	22524.2	22573.2	22295.6
17.5°	15266.5	15295.1	15119.6	15662.5	18805.6	19826.1	19875.0	19487.3	19193.4	19091.3
20°	13327.6	13425.6	13266.4	13311.3	13813.3	16805.4	16919.7	16336.0	15833.9	15793.1
22.5°	11784.6	11845.8	11731.5	11768.3	11792.8	12143.8	14131.7	13617.4	13376.6	13192.9
25°	10478.4	10478.4	10417.2	10429.4	10404.9	9886.5	10907.0	11494.8	11356.0	11290.7
27.5°	9286.4	9302.8	9225.2	9270.1	8972.1	8135.3	8012.9	9747.7	9600.8	9482.4
30°	8155.7	8208.8	8135.3	8159.8	7510.8	6825.0	6474.0	8131.3	8314.9	8282.3
32.5°	6139.3	6380.1	6972.0	6996.5	6114.8	5588.2	5433.1	6527.0	7225.1	7163.8
35°	3804.4	3792.1	3816.6	4992.2	4690.2	4331.0	4388.1	4931.0	5718.8	5690.2
37.5°	2902.3	2898.2	2943.1	2824.7	3073.7	3286.0	3330.9	3330.9	4175.8	4179.9
40°	2200.2	2183.8	2179.8	1992.0	1669.5	2465.5	2392.0	2330.8	2902.3	2963.5
42.5°	1404.2	1453.2	1416.4	1212.3	1089.9	1347.0	1502.2	1453.2	1792.0	1836.9
45°	783.7	783.7	751.1	636.8	632.7	681.7	857.2	800.1	918.4	979.7
47.5°	379.6	371.5	408.2	502.1	522.5	506.2	612.3	636.8	693.9	751.1
50°	306.1	306.1	289.8	261.2	432.7	416.4	453.1	485.8	518.4	567.4
52.5°	257.2	257.2	236.8	220.4	249.0	318.4	322.5	383.7	379.6	449.0
55°	130.6	134.7	191.9	191.9	167.4	261.2	265.3	310.2	318.4	375.5
57.5°	12.2	16.3	24.5	118.4	130.6	142.9	200.0	228.6	265.3	289.8
60°	4.1	4.1	8.2	16.3	77.6	98.0	126.5	151.0	183.7	240.8
62.5°	0.0	0.0	4.1	8.2	16.3	61.2	69.4	77.6	110.2	151.0
65°	0.0	0.0	4.1	4.1	8.2	20.4	28.6	49.0	69.4	93.9
67.5°	0.0	0.0	4.1	4.1	8.2	12.2	16.3	24.5	32.7	61.2
70°	0.0	0.0	4.1	4.1	8.2	12.2	12.2	16.3	20.4	28.6
72.5°	0.0	0.0	4.1	4.1	8.2	16.3	12.2	12.2	16.3	20.4
75°	0.0	0.0	4.1	4.1	8.2	12.2	12.2	12.2	12.2	12.2
77.5°	0.0	0.0	4.1	4.1	8.2	12.2	12.2	12.2	8.2	8.2
80°	0.0	0.0	4.1	4.1	8.2	12.2	16.3	16.3	8.2	8.2
82.5°	0.0	0.0	4.1	8.2	8.2	20.4	24.5	20.4	8.2	4.1
85°	0.0	0.0	4.1	4.1	12.2	20.4	20.4	12.2	8.2	4.1
87.5°	0.0	0.0	0.0	4.1	4.1	8.2	12.2	12.2	4.1	4.1
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°
32084.2	0°	32084.2	32084.2	32084.2	32084.2	32084.2	32084.2	32084.2	32084.2	32084.2
31888.2	2.5°	31871.9	32120.9	32235.2	32116.8	32059.7	31978.0	31859.7	31778.0	31794.4
31145.3	5°	31075.9	31337.2	31427.0	31324.9	31239.2	31194.3	31173.9	31214.7	31320.8
29651.3	7.5°	29643.2	29810.5	29908.5	29859.5	29741.1	29875.8	29912.6	29888.1	30043.2
27630.8	10°	27638.9	27822.6	27732.8	27753.2	27614.4	27683.8	27663.4	27753.2	27908.3
25218.3	12.5°	25055.0	25230.6	25161.2	25148.9	25002.0	25132.6	25051.0	25148.9	25353.0
22181.3	15°	22340.5	22450.8	22405.9	22336.5	22205.8	22250.7	22503.8	22487.5	22577.3
19030.1	17.5°	18948.4	19479.1	19768.9	19830.1	19724.0	19813.8	19993.4	19948.5	20152.6
15707.4	20°	15678.8	16213.5	16927.9	17507.5	17519.8	17532.0	17646.3	17674.9	17850.4
13197.0	22.5°	13139.8	13519.4	14286.8	15054.3	15584.9	15695.1	15682.9	15723.7	15772.7
11200.9	25°	11172.3	11449.9	12152.0	12682.6	13613.3	13923.5	14013.4	13923.5	13952.1
9441.6	27.5°	9547.7	9972.2	10204.9	10772.3	11682.6	12401.0	12372.4	12319.3	12327.5
8217.0	30°	8212.9	8670.1	9013.0	9184.4	9870.2	10907.0	11013.1	10862.1	10866.2
7135.3	32.5°	7090.4	7233.2	7739.4	7878.2	8319.0	9262.0	9625.3	9511.0	9490.5
5706.6	35°	5873.9	5951.5	6184.2	6457.7	6718.9	7433.2	8033.3	7927.2	7980.2
4196.3	37.5°	4179.9	4498.3	4722.8	4947.3	5135.1	5584.1	6306.6	6208.7	6261.7
2971.7	40°	2947.2	3090.0	3477.8	3575.8	3853.4	4061.5	4673.8	4641.2	4706.5
1845.0	42.5°	1812.4	1914.4	2110.4	2204.3	2392.0	2510.4	2869.6	2910.4	2996.2
1020.5	45°	1028.7	1073.6	1208.3	1310.3	1449.1	1498.1	1624.6	1681.8	1730.7
791.9	47.5°	783.7	832.7	922.5	1012.3	1126.6	1167.4	1257.2	1343.0	1387.9
612.3	50°	640.9	685.8	779.7	853.1	967.4	1004.2	1077.6	1171.5	1228.7
465.3	52.5°	485.8	551.1	665.4	742.9	861.3	906.2	975.6	1069.5	1122.5
383.7	55°	400.0	449.0	551.1	657.2	767.4	828.6	873.5	987.8	1045.0
314.3	57.5°	342.9	379.6	444.9	571.5	665.4	755.2	791.9	898.0	955.2
249.0	60°	261.2	318.4	375.5	473.5	579.6	673.5	714.3	808.2	853.1
179.6	62.5°	216.3	253.1	326.6	379.6	498.0	596.0	636.8	722.5	755.2
118.4	65°	151.0	204.1	273.5	306.1	416.4	510.2	567.4	632.7	665.4
69.4	67.5°	89.8	151.0	216.3	261.2	338.8	432.7	493.9	555.1	583.7
40.8	70°	57.1	118.4	171.4	220.4	265.3	355.1	428.6	481.7	469.4
24.5	72.5°	32.7	73.5	126.5	179.6	220.4	298.0	367.4	408.2	289.8
16.3	75°	20.4	53.1	106.1	147.0	179.6	236.8	302.1	310.2	179.6
8.2	77.5°	16.3	40.8	81.6	118.4	122.5	175.5	212.3	240.8	134.7
8.2	80°	8.2	32.7	69.4	98.0	77.6	122.5	163.3	187.8	106.1
4.1	82.5°	8.2	20.4	53.1	69.4	57.1	93.9	118.4	134.7	89.8
4.1	85°	4.1	16.3	28.6	40.8	40.8	61.2	53.1	65.3	57.1
4.1	87.5°	4.1	8.2	16.3	20.4	16.3	24.5	28.6	28.6	24.5
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

180°
32084.2
32014.8
31541.3
30198.3
27969.6
25389.8
22597.7
20120.0
17813.7
15682.9
13907.2
12339.8
10870.2
9539.5
8029.2
6306.6
4731.0
3094.1
1726.7
1408.3
1253.2
1159.3
1061.3
979.7
861.3
759.2
665.4
579.6
432.7
257.2
167.4
134.7
110.2
98.0
57.1
20.4
0.0

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