

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: P636648

Luminaire Tested: **IFLD-L-SA8C-935-U-66-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636648
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8C-935-U-66-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 6 distribution lens and Visor
Light Source: (128) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26785.2 lumens
Efficiency: N/A
Efficacy: 63.7 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G1

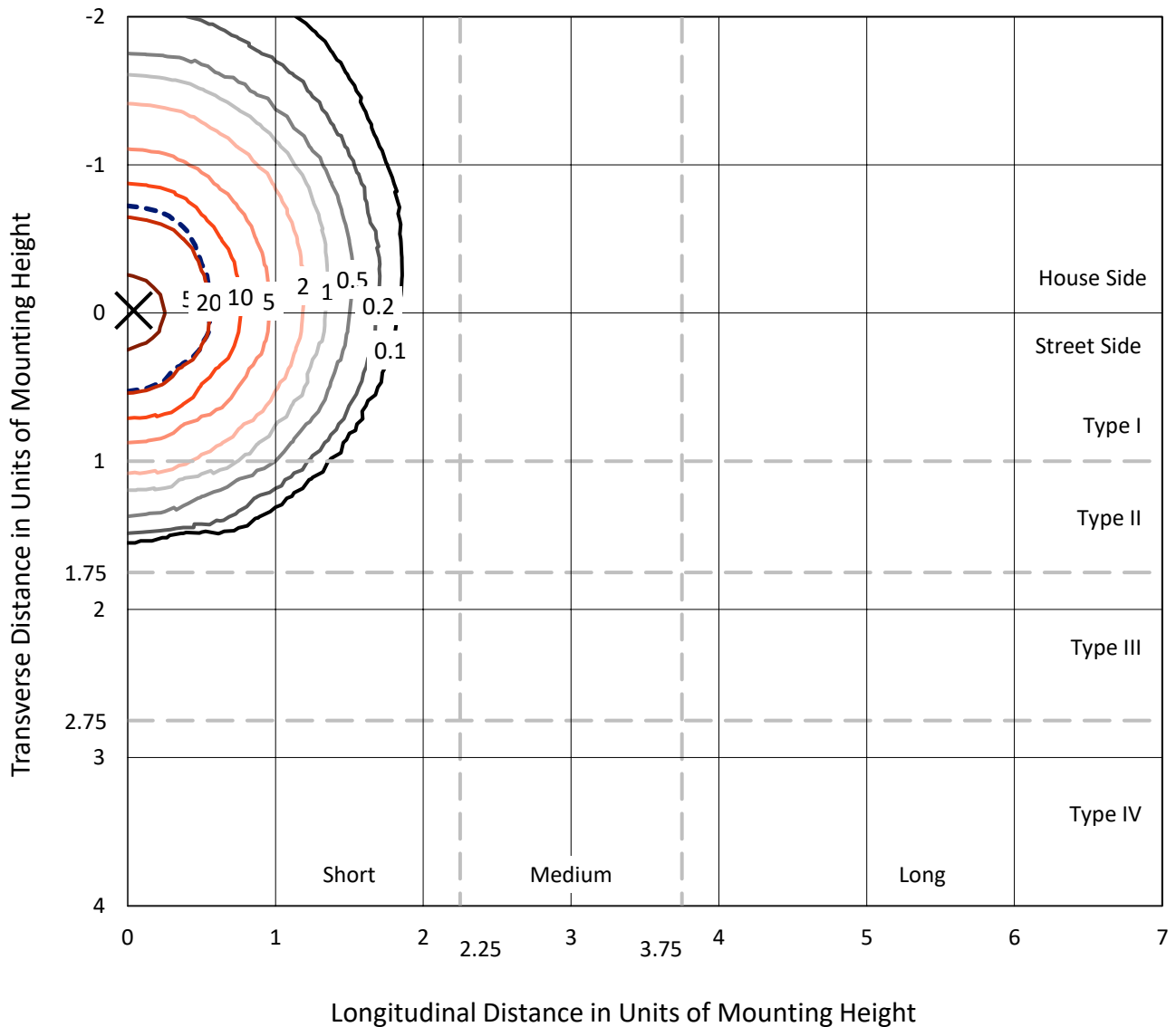
Input Watts (W): 420.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

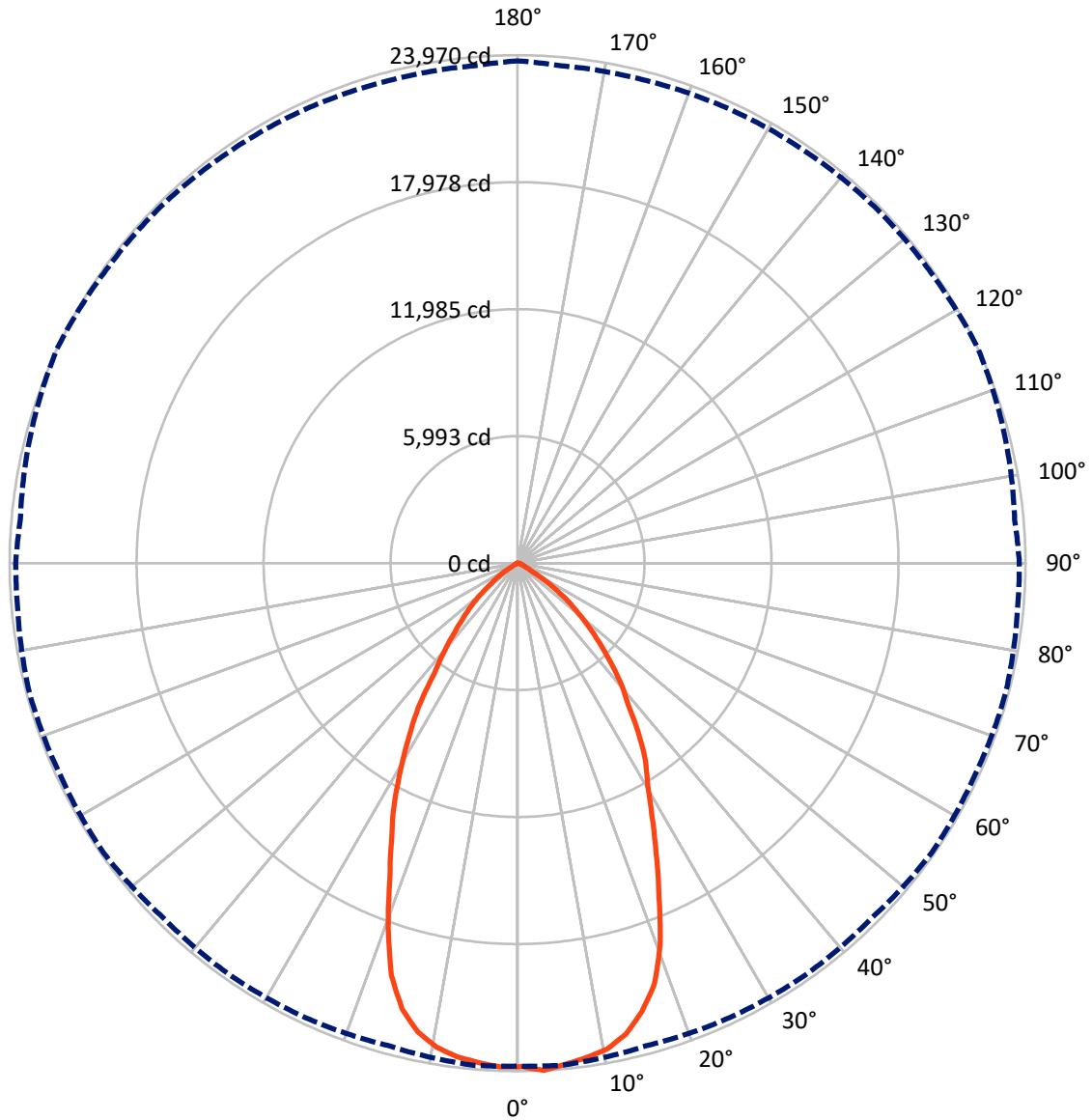
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 59.4 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 115-Deg Lateral - - - Horizontal Cone Through 2.5-Deg Vertical

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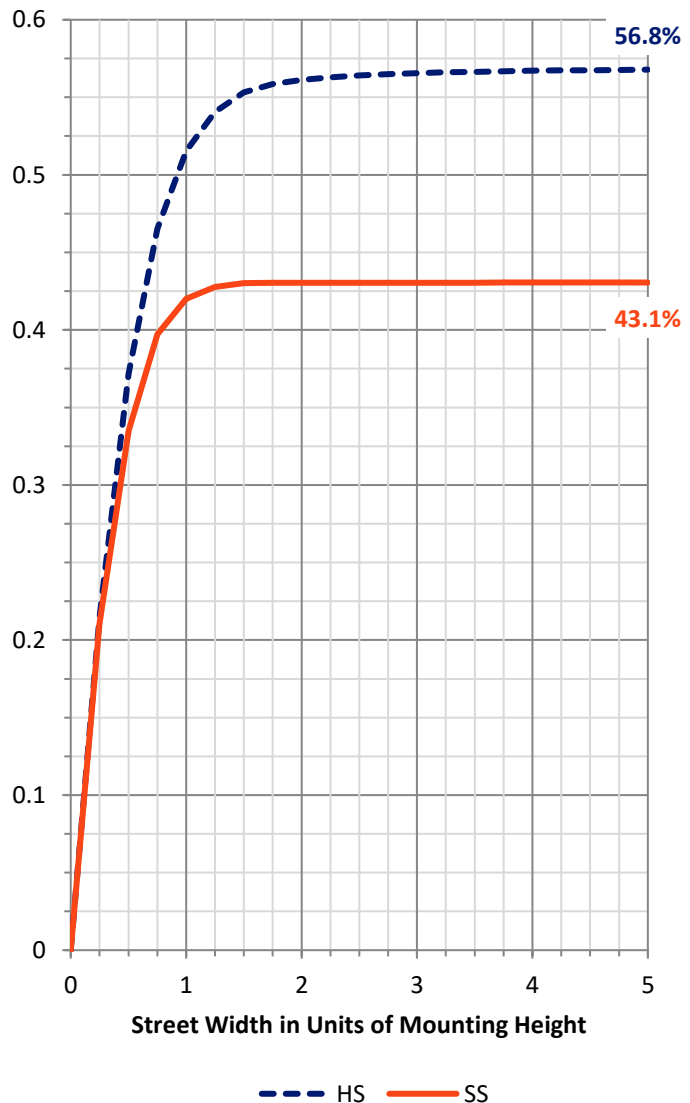
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15328.8	0.0	15328.8
	% Fixture	57.2	0.0	57.2
Street Side	Lumens	11456.4	0.0	11456.4
	% Fixture	42.8	0.0	42.8
Total	Lumens	26785.2	0.0	26785.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2238.4	8.4
10°-20°	5935.0	22.2
20°-30°	6788.5	25.3
30°-40°	5817.5	21.7
40°-50°	3846.8	14.4
50°-60°	1678.6	6.3
60°-70°	329.8	1.2
70°-80°	119.0	0.4
80°-90°	31.7	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°	26785.2	100.0
0°-180°	26785.2	100.0



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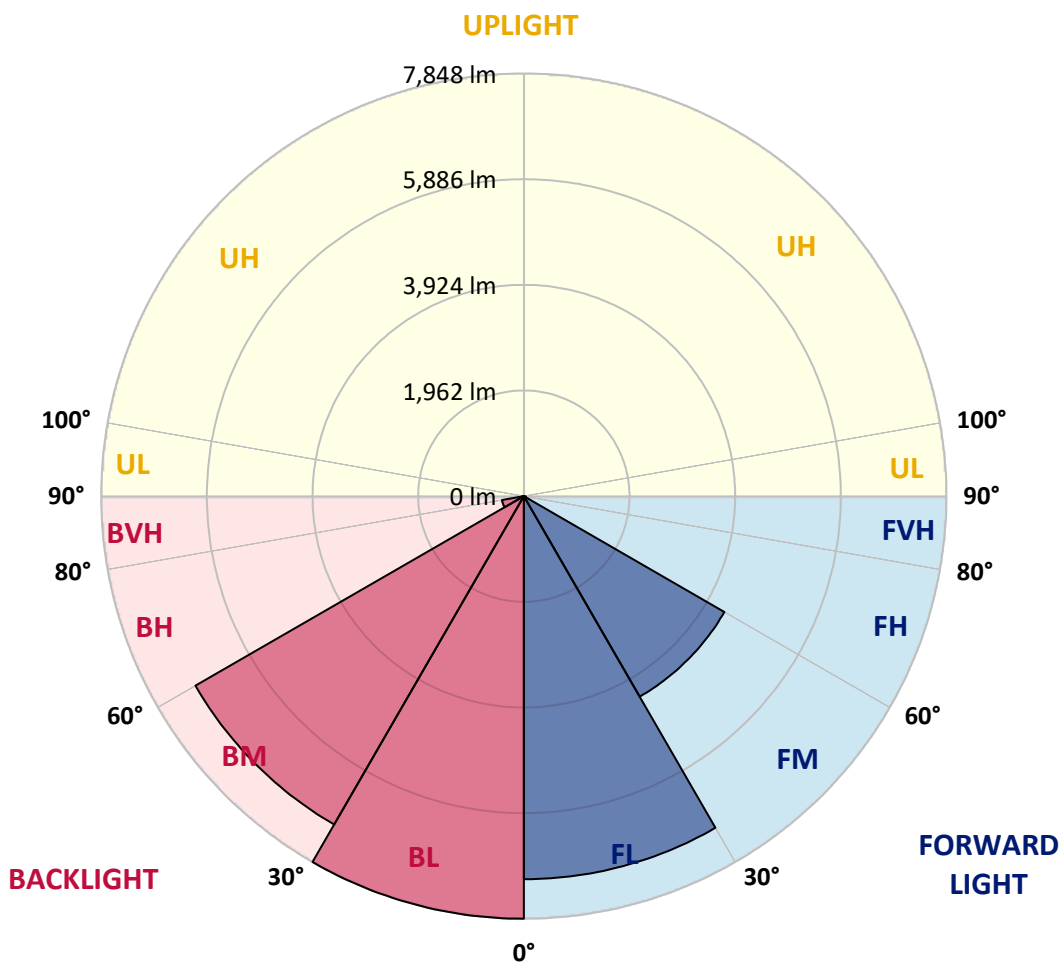
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	7113.6	26.6			
FM (30°-60°)	4301.1	16.1			
FH (60°-80°)	36.4	0.1			G0/660
FVH (80°-90°)	5.2	0.0			G0/10
BL (0°-30°)	7848.3	29.3	B5		
BM (30°-60°)	7041.7	26.3	B4/8500		
BH (60°-80°)	412.4	1.5	B1/500		G1/500
BVH (80°-90°)	26.4	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°	23765.2	23765.2	23765.2	23765.2	23765.2	23765.2	23765.2	23765.2	23765.2	23765.2
2.5°	23731.1	23788.0	23571.6	23668.4	23708.3	23657.1	23844.9	23788.0	23833.6	23691.2
5°	23731.1	23788.0	23537.5	23583.0	23594.4	23497.6	23702.6	23634.3	23640.0	23491.9
7.5°	23583.0	23651.4	23423.6	23457.8	23463.5	23383.8	23560.3	23463.5	23429.3	23275.6
10°	23184.5	23224.3	23019.4	23104.8	23184.5	23110.5	23264.2	23156.0	23156.0	23019.4
12.5°	22552.5	22626.5	22398.8	22501.2	22569.6	22484.2	22660.7	22620.8	22626.5	22489.9
15°	21402.4	21146.2	21419.5	21624.4	21630.1	21613.0	21778.2	21738.3	21766.8	21561.8
17.5°	15811.2	15748.6	16067.4	18487.2	20286.4	20531.2	20559.7	20343.4	20246.6	20047.3
20°	14649.7	14695.3	14626.9	14638.3	16056.0	18999.7	18823.2	18288.0	18043.1	17843.9
22.5°	13801.4	13727.4	13681.8	13653.3	13693.2	15611.9	16881.6	16073.1	15942.2	15845.4
25°	12879.0	12844.8	12787.9	12776.5	12753.7	12429.2	14256.9	14330.9	14120.2	14000.6
27.5°	12019.3	11996.5	11933.9	11928.2	11666.3	10880.5	11079.8	12839.1	12782.2	12736.7
30°	11102.6	11057.0	11022.9	11022.9	10231.5	9423.0	9098.4	11193.7	11193.7	11153.8
32.5°	10106.2	10066.3	10077.7	9941.1	8995.9	8255.8	7743.3	9662.1	10259.9	10225.8
35°	6177.6	6166.2	7322.0	8842.2	7732.0	7060.1	7025.9	8267.2	9138.3	9229.4
37.5°	5500.1	5465.9	5483.0	5579.8	6621.7	6354.1	6342.7	6553.4	7777.5	7823.1
40°	4936.4	4913.6	4896.5	4549.2	4219.0	5670.9	5631.0	5494.4	6644.5	6724.2
42.5°	4401.2	4378.4	4378.4	3888.8	3353.6	4663.1	4680.2	4520.7	5602.5	5631.0
45°	3848.9	3831.8	3735.0	3103.0	2949.3	3097.3	3877.4	3695.2	4446.7	4742.8
47.5°	1816.3	1804.9	2613.4	2579.2	2567.8	2476.7	2960.7	3063.2	3530.1	3826.1
50°	1457.6	1446.2	1377.9	1212.7	2112.3	1878.9	2135.1	2357.2	2505.2	2778.5
52.5°	1207.1	1195.7	1053.3	933.8	1172.9	1372.2	1275.4	1577.1	1571.4	1867.5
55°	791.4	734.5	808.5	762.9	614.9	996.4	973.6	1195.7	1167.2	1423.4
57.5°	17.1	17.1	39.9	432.7	387.2	421.3	558.0	683.2	768.6	842.7
60°	5.7	5.7	11.4	22.8	159.4	176.5	216.4	250.5	353.0	438.4
62.5°	0.0	0.0	5.7	11.4	22.8	91.1	102.5	119.6	165.1	227.7
65°	0.0	0.0	0.0	5.7	11.4	22.8	34.2	74.0	102.5	131.0
67.5°	0.0	0.0	0.0	5.7	5.7	11.4	22.8	34.2	45.5	91.1
70°	0.0	0.0	0.0	5.7	5.7	11.4	17.1	22.8	34.2	45.5
72.5°	0.0	0.0	0.0	5.7	5.7	17.1	11.4	17.1	22.8	28.5
75°	0.0	0.0	0.0	5.7	5.7	5.7	11.4	17.1	17.1	22.8
77.5°	0.0	0.0	0.0	5.7	11.4	11.4	11.4	11.4	11.4	17.1
80°	0.0	0.0	0.0	5.7	5.7	11.4	17.1	22.8	11.4	11.4
82.5°	0.0	0.0	0.0	11.4	5.7	22.8	34.2	28.5	11.4	5.7
85°	0.0	0.0	0.0	5.7	22.8	28.5	28.5	17.1	5.7	5.7
87.5°	0.0	0.0	0.0	5.7	5.7	11.4	17.1	17.1	5.7	5.7
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°
23765.2	0°	23765.2	23765.2	23765.2	23765.2	23765.2	23765.2	23765.2	23765.2	23765.2
23679.8	2.5°	23548.9	23770.9	23970.2	23844.9	23799.4	23708.3	23640.0	23566.0	23560.3
23474.9	5°	23343.9	23554.6	23748.1	23600.1	23611.5	23566.0	23520.4	23503.3	23514.7
23264.2	7.5°	23167.4	23343.9	23554.6	23429.3	23463.5	23435.0	23412.2	23378.1	23429.3
22990.9	10°	22899.8	23059.2	23304.0	23184.5	23167.4	23138.9	23116.2	23053.5	23082.0
22495.5	12.5°	22313.4	22512.6	22791.6	22655.0	22700.5	22620.8	22586.6	22546.8	22552.5
21635.8	15°	21516.2	21670.0	21954.7	21846.5	21880.6	21829.4	21829.4	21829.4	21869.2
20075.8	17.5°	20127.0	20440.1	20889.9	20753.3	20804.5	20815.9	20804.5	20844.4	20895.6
17855.2	20°	17866.6	18401.8	19221.7	19489.3	19597.5	19603.2	19523.5	19620.3	19722.7
15777.1	22.5°	15788.4	16352.1	17075.2	17809.7	18265.2	18242.4	18253.8	18316.4	18424.6
13926.6	25°	13989.3	14530.2	15184.9	15839.7	16836.1	17041.0	17046.7	17103.7	17189.1
12662.6	27.5°	12691.1	12901.8	13499.6	14160.1	15230.5	15885.2	15851.1	15902.3	15993.4
11079.8	30°	11125.4	11933.9	12070.5	12474.8	13397.1	14598.5	14604.2	14661.1	14752.2
10146.1	32.5°	10117.6	10652.8	11074.1	11085.5	11871.2	13106.7	13351.6	13408.5	13471.1
9178.1	35°	9172.4	9235.1	9804.4	9963.9	10419.4	11643.5	12076.2	12110.4	12212.8
7806.0	37.5°	7936.9	8307.0	8466.4	9035.8	9058.6	10049.3	10909.0	10874.8	10954.6
6718.5	40°	6803.9	7156.9	7561.1	7976.8	8033.7	8773.9	9724.7	9758.9	9793.1
5574.1	42.5°	5619.6	6069.4	6485.0	6764.0	7151.2	7578.2	8483.5	8642.9	8722.6
4777.0	45°	4862.4	4987.6	5483.0	5892.9	6285.8	6485.0	7333.4	7623.8	7675.0
3780.6	47.5°	3831.8	4253.1	4589.1	4936.4	5426.0	5602.5	6217.4	6621.7	6661.6
2807.0	50°	2960.7	3262.5	3723.6	4036.8	4606.2	4702.9	5124.3	5648.1	5699.3
1878.9	52.5°	2118.0	2528.0	2977.8	3279.5	3826.1	3951.4	4264.5	4765.6	4799.7
1440.5	55°	1520.2	1787.8	2157.9	2590.6	2989.2	3268.1	3484.5	3962.8	4008.3
945.1	57.5°	1036.2	1286.8	1440.5	1873.2	2112.3	2414.1	2590.6	2955.0	2989.2
449.8	60°	495.3	614.9	734.5	950.8	1104.6	1360.8	1474.7	1622.7	1662.5
273.3	62.5°	318.8	375.8	478.3	569.4	717.4	876.8	922.4	1047.6	1093.2
170.8	65°	210.7	267.6	375.8	398.6	546.6	671.8	728.8	819.9	871.1
102.5	67.5°	119.6	187.9	279.0	330.2	432.7	552.3	614.9	694.6	740.2
68.3	70°	79.7	153.7	222.1	273.3	341.6	444.1	523.8	592.1	620.6
34.2	72.5°	45.5	96.8	153.7	216.4	273.3	370.1	444.1	501.0	330.2
22.8	75°	28.5	74.0	131.0	182.2	227.7	296.1	358.7	353.0	148.0
17.1	77.5°	22.8	56.9	113.9	153.7	187.9	205.0	256.2	290.4	113.9
11.4	80°	17.1	45.5	102.5	131.0	74.0	148.0	199.3	216.4	79.7
11.4	82.5°	11.4	28.5	85.4	91.1	51.2	108.2	159.4	142.3	56.9
5.7	85°	5.7	17.1	28.5	51.2	45.5	51.2	39.9	56.9	39.9
5.7	87.5°	5.7	11.4	22.8	22.8	22.8	17.1	22.8	22.8	22.8
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



180°
23765.2
23696.9
23657.1
23571.6
23218.6
22717.6
21886.3
21066.4
19791.1
18441.7
17337.1
16078.8
14911.6
13613.5
12321.0
11051.3
9901.2
8836.5
7800.3
6758.3
5773.3
4862.4
4048.2
3057.5
1708.1
1104.6
871.1
734.5
614.9
267.6
148.0
113.9
85.4
56.9
39.9
22.8
0.0

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