

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: P636467

Luminaire Tested: **IFLD-L-SA7A-930-U-55-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636467
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7A-930-U-55-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 5 distribution lens and Visor
Light Source: (112) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16576.5 lumens
Efficiency: N/A
Efficacy: 76.2 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): 217.6
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



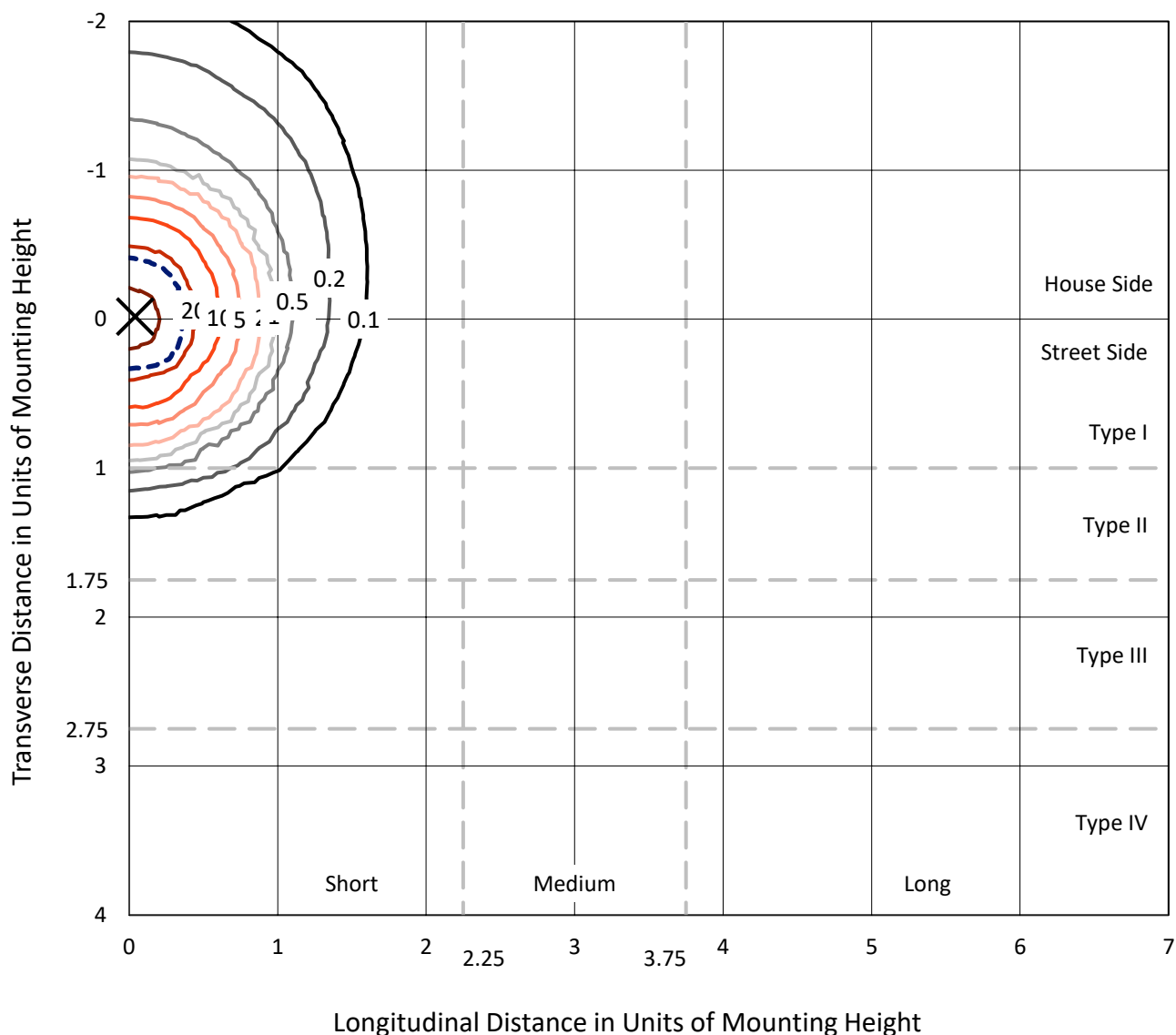
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

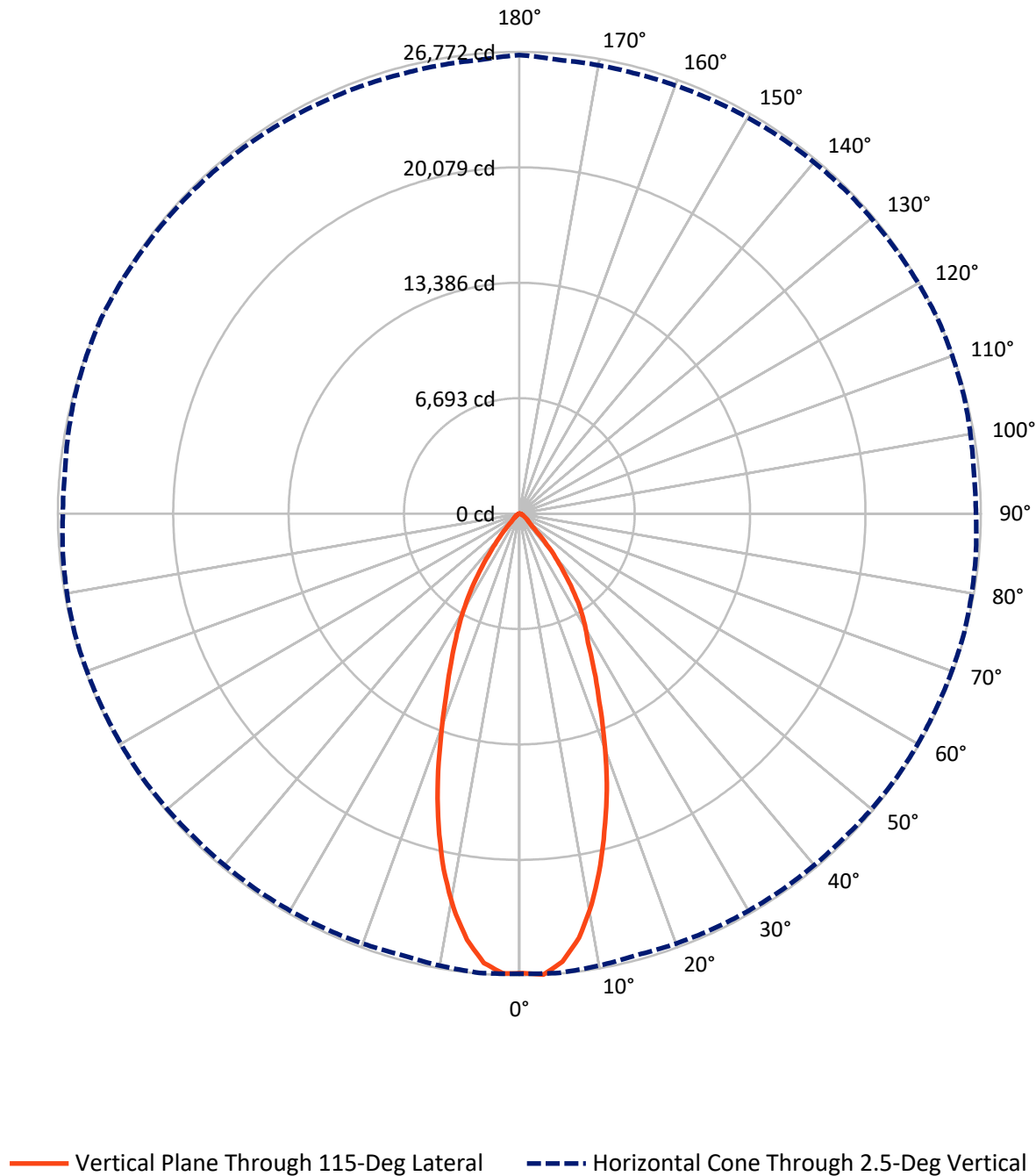


Based on 20 foot mounting height. Maximum calculated value = 66.6 fc

Type I - Short - N/A

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Luminous Intensity Polar Plot



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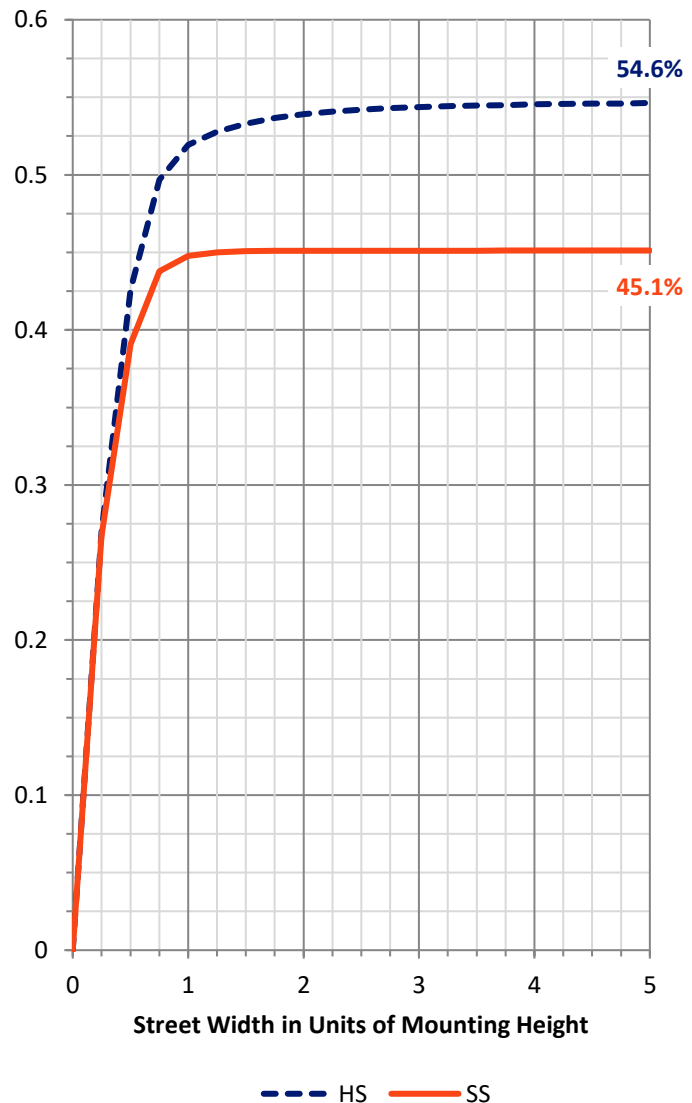
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9148.3	0.0	9148.3
	% Fixture	55.2	0.0	55.2
Street Side	Lumens	7428.2	0.0	7428.2
	% Fixture	44.8	0.0	44.8
Total	Lumens	16576.5	0.0	16576.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2390.0	14.4
10°-20°	5051.2	30.5
20°-30°	4559.0	27.5
30°-40°	3017.0	18.2
40°-50°	903.8	5.5
50°-60°	362.5	2.2
60°-70°	187.7	1.1
70°-80°	81.5	0.5
80°-90°	23.7	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°	16576.5	100.0
0°-180°	16576.5	100.0

Coefficient of Utilization



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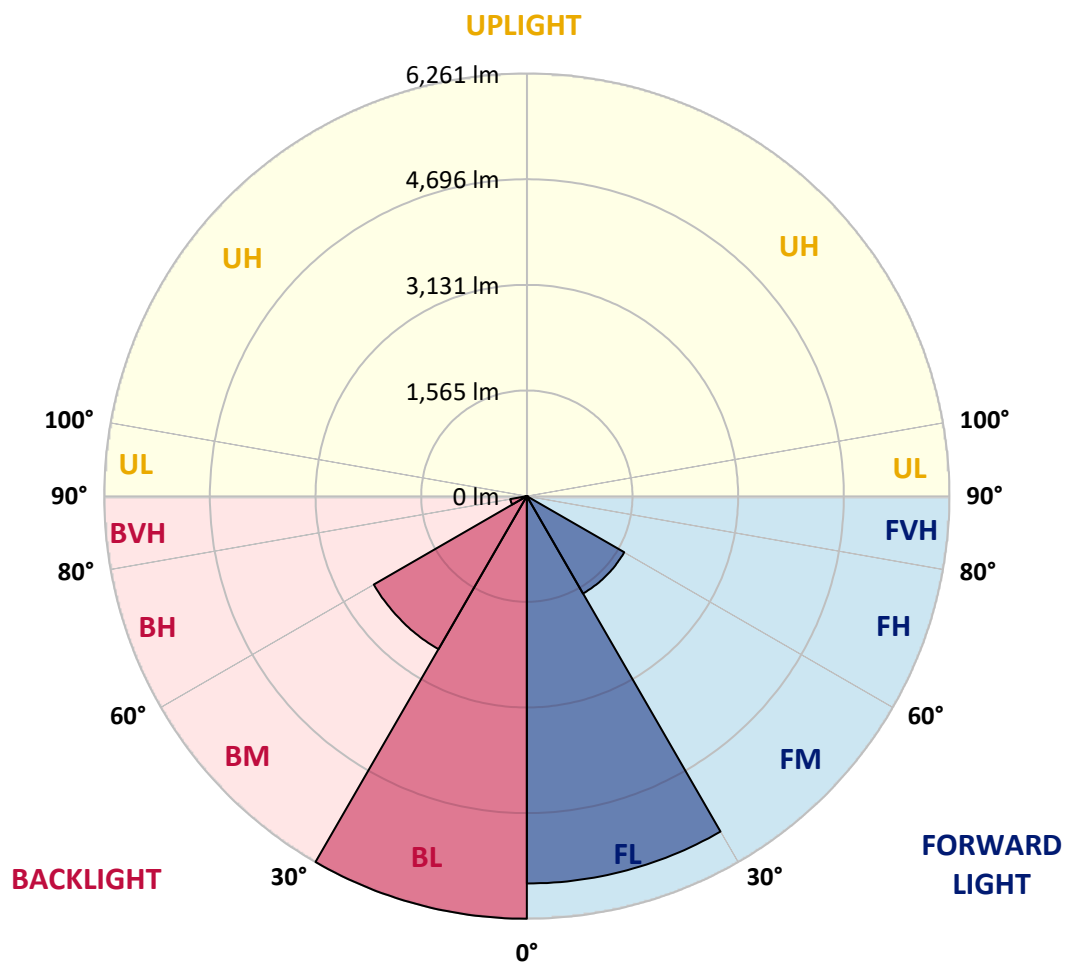
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	5738.9	34.6			
FM	(30°-60°)	1665.3	10.0			
FH	(60°-80°)	20.6	0.1			G0/660
FVH	(80°-90°)	3.4	0.0			G0/10
BL	(0°-30°)	6261.3	37.8	B5		
BM	(30°-60°)	2618.0	15.8	B3/5000		
BH	(60°-80°)	248.6	1.5	B1/500		G1/500
BVH	(80°-90°)	20.3	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°	26646.6	26646.6	26646.6	26646.6	26646.6	26646.6	26646.6	26646.6	26646.6	26646.6
2.5°	26680.5	26728.0	26490.7	26572.0	26605.9	26616.1	26700.9	26687.3	26711.0	26585.6
5°	26328.0	26236.4	26060.1	26063.5	26053.4	25958.4	26151.7	26138.1	26097.4	25948.3
7.5°	25127.8	25260.1	24927.8	24921.0	24914.3	24799.0	25053.3	24897.3	24931.2	24717.6
10°	23371.7	23388.7	23093.7	23066.6	23090.4	22941.2	23236.1	23175.1	23239.5	23015.8
12.5°	21219.0	21313.9	20988.5	20941.0	21035.9	20825.7	21063.0	21093.6	20998.6	20968.1
15°	16642.3	16893.2	17510.2	18452.6	18696.7	18520.4	18710.3	18706.9	18747.6	18517.0
17.5°	12679.2	12702.9	12557.1	13008.0	15618.5	16466.0	16506.7	16184.6	15940.5	15855.8
20°	11068.9	11150.2	11018.0	11055.3	11472.3	13957.3	14052.2	13567.4	13150.4	13116.5
22.5°	9787.4	9838.2	9743.3	9773.8	9794.2	10085.7	11736.7	11309.6	11109.5	10957.0
25°	8702.5	8702.5	8651.7	8661.8	8641.5	8211.0	9058.5	9546.7	9431.4	9377.2
27.5°	7712.6	7726.2	7661.8	7699.0	7451.6	6756.6	6654.9	8095.7	7973.6	7875.3
30°	6773.5	6817.6	6756.6	6776.9	6237.9	5668.3	5376.8	6753.2	6905.7	6878.6
32.5°	5098.8	5298.8	5790.4	5810.7	5078.5	4641.1	4512.3	5420.9	6000.6	5949.7
35°	3159.6	3149.5	3169.8	4146.2	3895.3	3597.0	3644.4	4095.3	4749.6	4725.9
37.5°	2410.4	2407.0	2444.3	2346.0	2552.8	2729.1	2766.4	2766.4	3468.1	3471.5
40°	1827.3	1813.7	1810.3	1654.4	1386.6	2047.7	1986.6	1935.8	2410.4	2461.3
42.5°	1166.2	1206.9	1176.4	1006.9	905.2	1118.8	1247.6	1206.9	1488.3	1525.6
45°	650.9	650.9	623.8	528.9	525.5	566.2	711.9	664.5	762.8	813.6
47.5°	315.3	308.5	339.0	417.0	433.9	420.4	508.5	528.9	576.3	623.8
50°	254.3	254.3	240.7	217.0	359.4	345.8	376.3	403.4	430.5	471.2
52.5°	213.6	213.6	196.6	183.1	206.8	264.4	267.8	318.7	315.3	372.9
55°	108.5	111.9	159.3	159.3	139.0	217.0	220.4	257.7	264.4	311.9
57.5°	10.2	13.6	20.3	98.3	108.5	118.7	166.1	189.8	220.4	240.7
60°	3.4	3.4	6.8	13.6	64.4	81.4	105.1	125.4	152.6	200.0
62.5°	0.0	0.0	3.4	6.8	13.6	50.9	57.6	64.4	91.5	125.4
65°	0.0	0.0	3.4	3.4	6.8	17.0	23.7	40.7	57.6	78.0
67.5°	0.0	0.0	3.4	3.4	6.8	10.2	13.6	20.3	27.1	50.9
70°	0.0	0.0	3.4	3.4	6.8	10.2	10.2	13.6	17.0	23.7
72.5°	0.0	0.0	3.4	3.4	6.8	13.6	10.2	10.2	13.6	17.0
75°	0.0	0.0	3.4	3.4	6.8	10.2	10.2	10.2	10.2	10.2
77.5°	0.0	0.0	3.4	3.4	6.8	10.2	10.2	10.2	6.8	6.8
80°	0.0	0.0	3.4	3.4	6.8	10.2	13.6	13.6	6.8	6.8
82.5°	0.0	0.0	3.4	6.8	6.8	17.0	20.3	17.0	6.8	3.4
85°	0.0	0.0	3.4	3.4	10.2	17.0	17.0	10.2	6.8	3.4
87.5°	0.0	0.0	0.0	3.4	3.4	6.8	10.2	10.2	3.4	3.4
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°
26646.6	0°	26646.6	26646.6	26646.6	26646.6	26646.6	26646.6	26646.6	26646.6	26646.6
26483.9	2.5°	26470.3	26677.1	26772.1	26673.8	26626.3	26558.5	26460.2	26392.4	26405.9
25866.9	5°	25809.3	26026.2	26100.8	26016.1	25944.9	25907.6	25890.6	25924.5	26012.7
24626.1	7.5°	24619.3	24758.3	24839.7	24799.0	24700.7	24812.6	24843.1	24822.7	24951.6
22948.0	10°	22954.7	23107.3	23032.7	23049.7	22934.4	22992.0	22975.1	23049.7	23178.5
20944.4	12.5°	20808.8	20954.6	20896.9	20886.8	20764.7	20873.2	20805.4	20886.8	21056.3
18422.1	15°	18554.3	18645.9	18608.6	18550.9	18442.5	18479.7	18689.9	18676.4	18751.0
15804.9	17.5°	15737.1	16177.8	16418.5	16469.4	16381.2	16455.8	16605.0	16567.7	16737.2
13045.3	20°	13021.6	13465.7	14059.0	14540.4	14550.6	14560.7	14655.6	14679.4	14825.2
10960.4	22.5°	10912.9	11228.2	11865.5	12502.9	12943.6	13035.2	13025.0	13058.9	13099.6
9302.6	25°	9278.9	9509.4	10092.5	10533.2	11306.2	11563.8	11638.4	11563.8	11587.6
7841.4	27.5°	7929.6	8282.2	8475.4	8946.6	9702.6	10299.3	10275.6	10231.5	10238.3
6824.4	30°	6821.0	7200.7	7485.5	7627.9	8197.4	9058.5	9146.6	9021.2	9024.6
5926.0	32.5°	5888.7	6007.4	6427.7	6543.0	6909.1	7692.3	7994.0	7899.1	7882.1
4739.4	35°	4878.4	4942.8	5136.1	5363.2	5580.2	6173.5	6671.8	6583.7	6627.8
3485.1	37.5°	3471.5	3736.0	3922.4	4108.9	4264.8	4637.7	5237.8	5156.4	5200.5
2468.0	40°	2447.7	2566.3	2888.4	2969.8	3200.3	3373.2	3881.7	3854.6	3908.9
1532.4	42.5°	1505.2	1590.0	1752.7	1830.7	1986.6	2084.9	2383.3	2417.2	2488.4
847.5	45°	854.3	891.6	1003.5	1088.2	1203.5	1244.2	1349.3	1396.7	1437.4
657.7	47.5°	650.9	691.6	766.2	840.8	935.7	969.6	1044.2	1115.4	1152.7
508.5	50°	532.3	569.5	647.5	708.5	803.5	834.0	895.0	973.0	1020.4
386.5	52.5°	403.4	457.7	552.6	617.0	715.3	752.6	810.2	888.2	932.3
318.7	55°	332.2	372.9	457.7	545.8	637.3	688.2	725.5	820.4	867.9
261.0	57.5°	284.8	315.3	369.5	474.6	552.6	627.2	657.7	745.8	793.3
206.8	60°	217.0	264.4	311.9	393.3	481.4	559.4	593.3	671.3	708.5
149.2	62.5°	179.7	210.2	271.2	315.3	413.6	495.0	528.9	600.1	627.2
98.3	65°	125.4	169.5	227.1	254.3	345.8	423.8	471.2	525.5	552.6
57.6	67.5°	74.6	125.4	179.7	217.0	281.4	359.4	410.2	461.1	484.8
33.9	70°	47.5	98.3	142.4	183.1	220.4	294.9	356.0	400.0	389.9
20.3	72.5°	27.1	61.0	105.1	149.2	183.1	247.5	305.1	339.0	240.7
13.6	75°	17.0	44.1	88.1	122.0	149.2	196.6	250.9	257.7	149.2
6.8	77.5°	13.6	33.9	67.8	98.3	101.7	145.8	176.3	200.0	111.9
6.8	80°	6.8	27.1	57.6	81.4	64.4	101.7	135.6	155.9	88.1
3.4	82.5°	6.8	17.0	44.1	57.6	47.5	78.0	98.3	111.9	74.6
3.4	85°	3.4	13.6	23.7	33.9	33.9	50.9	44.1	54.2	47.5
3.4	87.5°	3.4	6.8	13.6	17.0	13.6	20.3	23.7	23.7	20.3
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

180°
26646.6
26589.0
26195.7
25080.4
23229.4
21086.8
18767.9
16710.1
14794.6
13025.0
11550.3
10248.4
9028.0
7922.8
6668.4
5237.8
3929.2
2569.7
1434.0
1169.6
1040.8
962.8
881.4
813.6
715.3
630.6
552.6
481.4
359.4
213.6
139.0
111.9
91.5
81.4
47.5
17.0
0.0

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