

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: P637530

Luminaire Tested: **IFLD-S-SA6A-722-U-55-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P637530
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6A-722-U-55-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 5 distribution lens and Visor
Light Source: (96) 2200K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18674.9 lumens
Efficiency: N/A
Efficacy: 98.5 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): 189.6
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



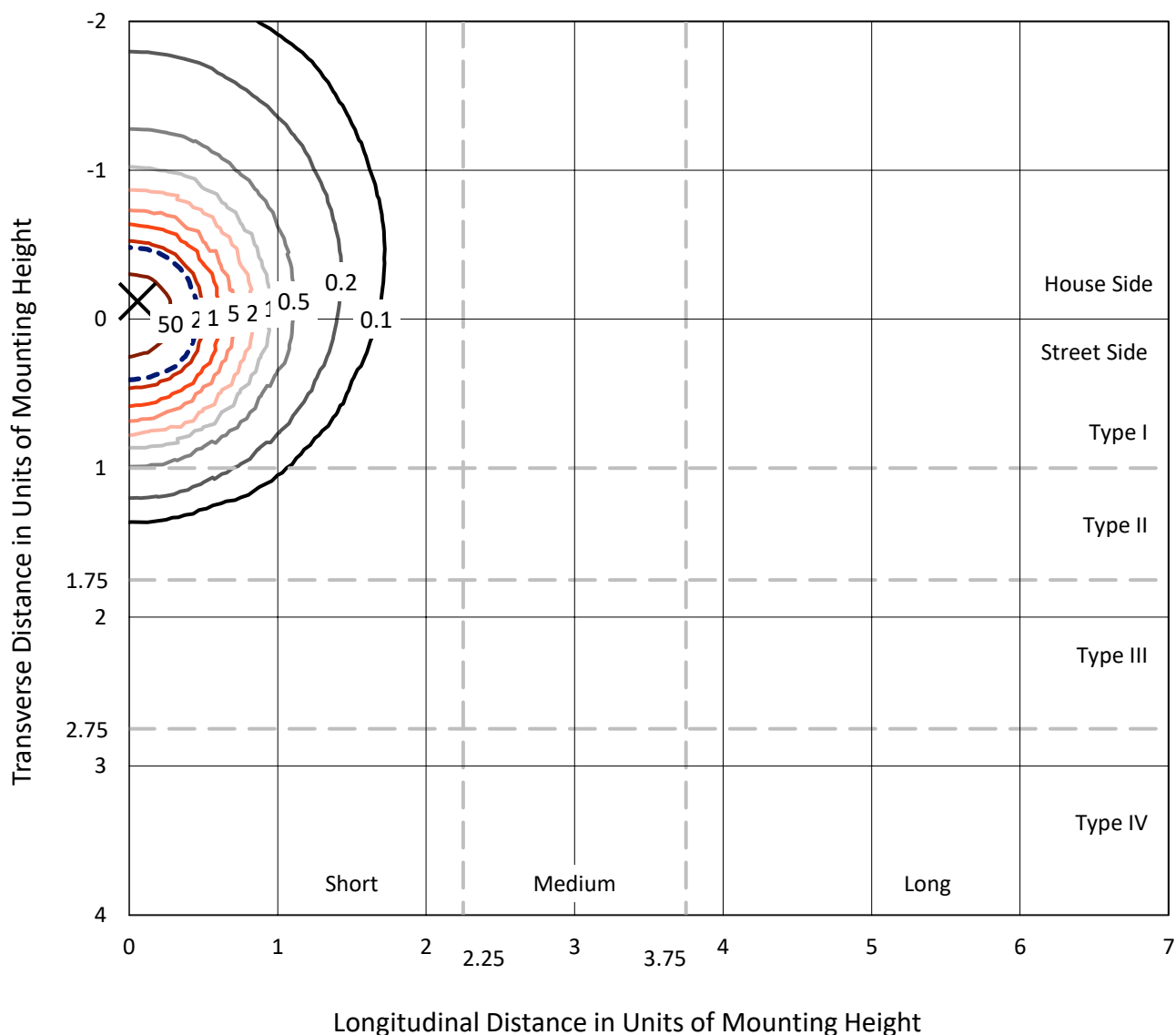
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

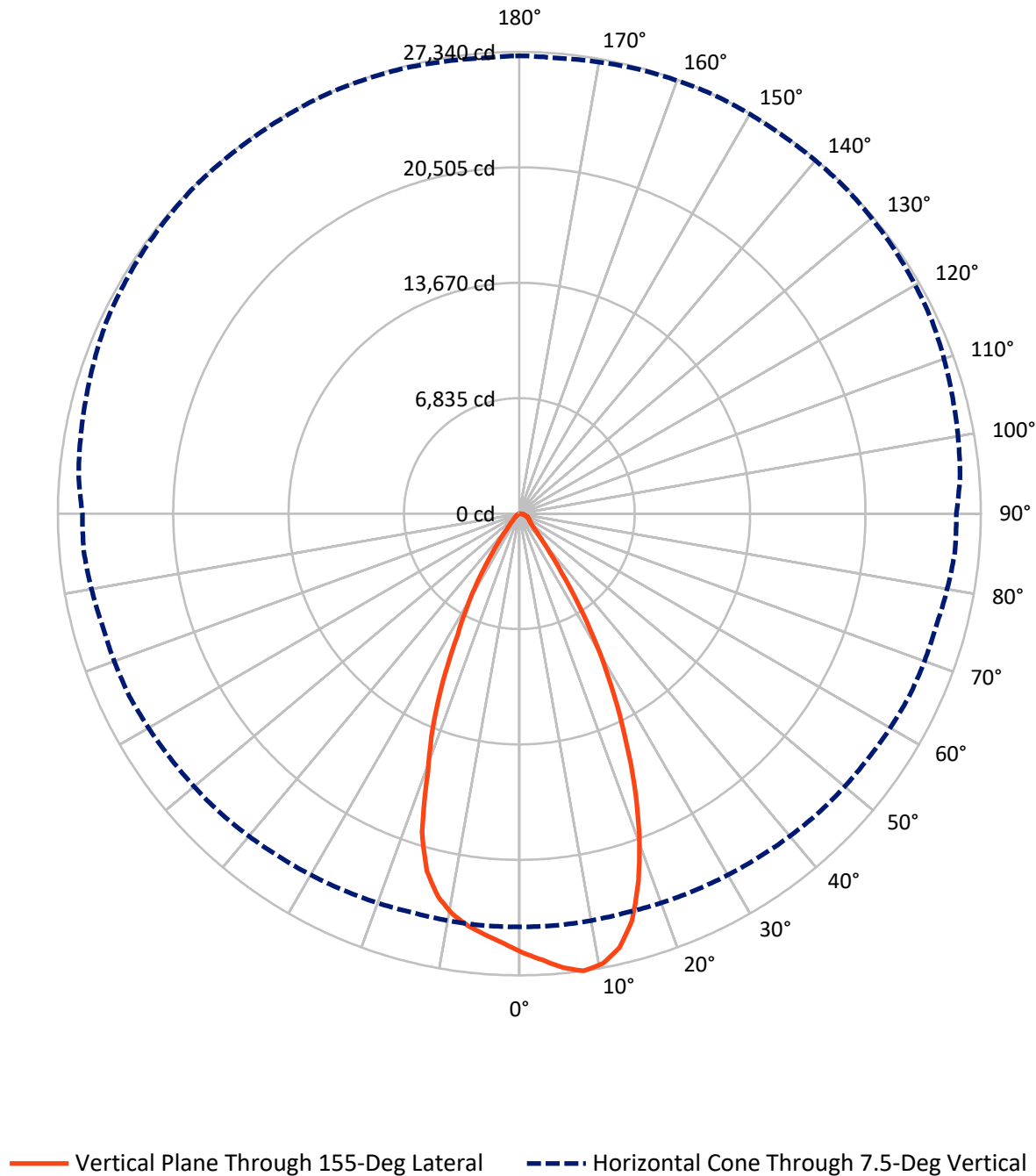


Based on 20 foot mounting height. Maximum calculated value = 66.1 fc

Type I - Short - N/A

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Luminous Intensity Polar Plot



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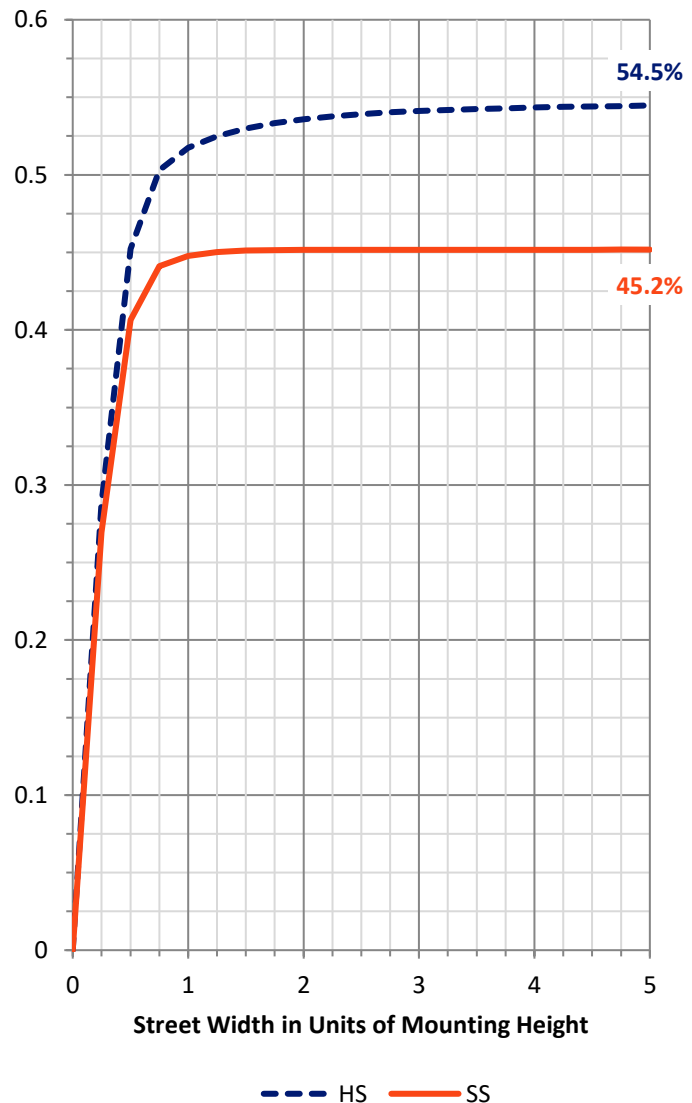
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10309.2	0.0	10309.2
	% Fixture	55.2	0.0	55.2
Street Side	Lumens	8365.7	0.0	8365.7
	% Fixture	44.8	0.0	44.8
Total	Lumens	18674.9	0.0	18674.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2480.8	13.3
10°-20°	6432.6	34.4
20°-30°	5894.0	31.6
30°-40°	2381.2	12.8
40°-50°	698.5	3.7
50°-60°	390.6	2.1
60°-70°	237.2	1.3
70°-80°	120.5	0.6
80°-90°	39.4	0.2
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°	18674.9	100.0
0°-180°	18674.9	100.0

Coefficient of Utilization



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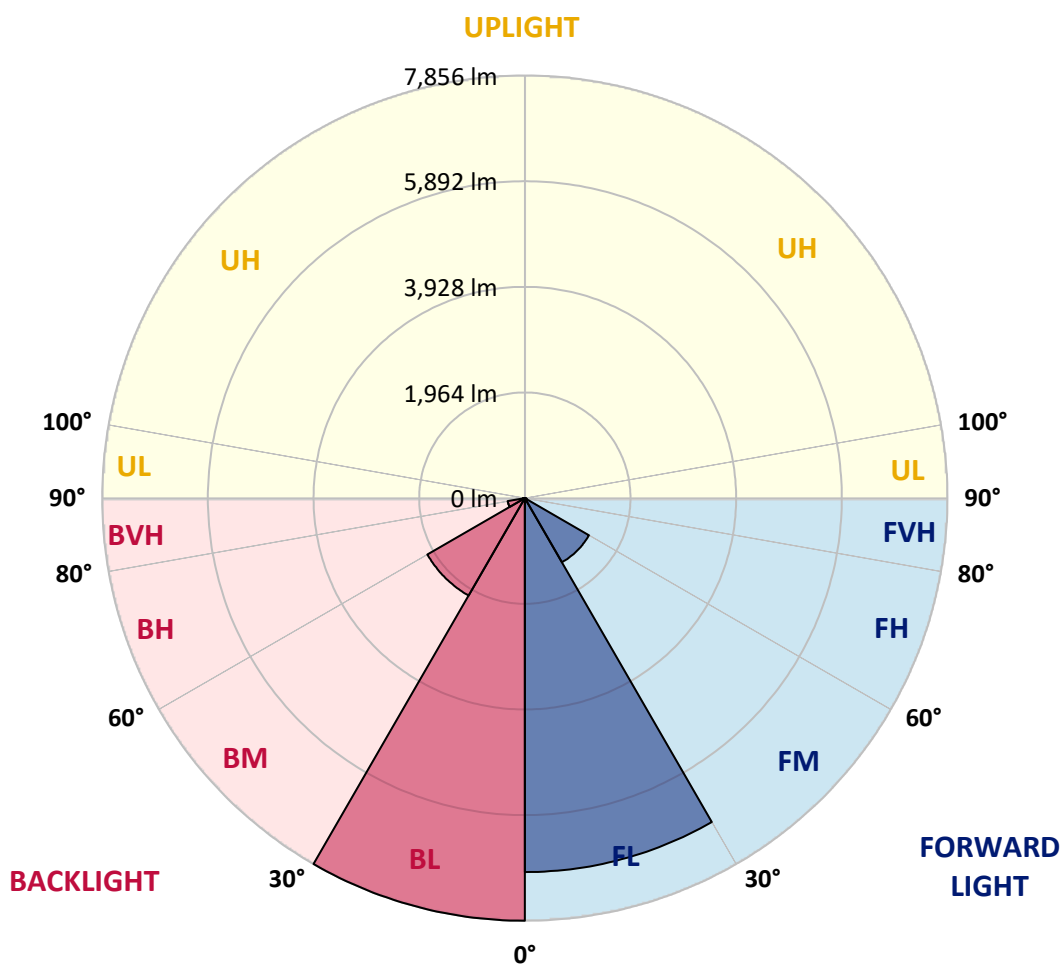
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	6951.3	37.2			
FM	(30°-60°)	1377.6	7.4			
FH	(60°-80°)	33.4	0.2			G0/660
FVH	(80°-90°)	3.4	0.0			G0/10
BL	(0°-30°)	7856.1	42.1	B5		
BM	(30°-60°)	2092.7	11.2	B2/2500		
BH	(60°-80°)	324.4	1.7	B1/500		G1/500
BVH	(80°-90°)	36.0	0.2			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°	26015.5	26015.5	26015.5	26015.5	26015.5	26015.5	26015.5	26015.5	26015.5	26015.5
2.5°	25451.3	25537.5	25365.2	25479.3	25567.6	25778.6	25795.9	25869.1	25894.9	26086.6
5°	24969.0	25035.7	24895.7	25048.6	25173.5	25360.9	25505.2	25707.6	25819.6	26045.7
7.5°	24467.2	24482.3	24454.3	24615.8	24803.1	25061.5	25240.3	25505.2	25574.1	25897.1
10°	23859.9	23750.1	23803.9	24040.8	24320.8	24717.0	24839.7	25104.6	25227.4	25556.8
12.5°	22890.9	22946.9	22880.1	23181.6	23414.2	23864.2	23993.5	24260.5	24495.2	24785.9
15°	21525.6	21493.3	21629.0	21863.7	22115.7	22473.1	22682.0	22972.7	23151.5	23452.9
17.5°	18457.0	18566.8	19126.7	19714.6	20231.4	20649.2	20899.0	21140.2	21269.4	21596.7
20°	15939.6	15801.8	15877.2	16208.8	17679.6	18319.2	18581.9	18640.0	18693.9	18952.3
22.5°	13125.1	13079.9	13331.8	13704.4	14053.2	15528.3	15885.8	15750.1	15862.1	16105.5
25°	9746.4	9974.7	10198.6	10913.6	11365.8	12089.3	12767.7	12827.9	12868.9	13021.8
27.5°	7933.2	7853.5	7849.2	8049.5	8717.1	9320.0	9897.1	10030.6	10007.0	10153.4
30°	6236.3	6210.5	6120.0	6167.4	6100.7	6636.9	6908.2	7457.3	7427.2	7431.5
32.5°	4498.5	4401.6	4365.0	4436.1	4367.1	4317.6	4554.5	5174.7	5163.9	5207.0
35°	2721.9	2709.0	2739.2	2801.6	2663.8	2659.5	2709.0	3292.6	3363.6	3432.6
37.5°	1503.1	1490.2	1513.9	1744.3	1699.1	1658.1	1671.1	1979.0	2183.6	2235.3
40°	990.6	988.4	1005.6	1046.6	1124.1	1109.0	1115.5	1253.3	1447.1	1492.3
42.5°	663.3	665.4	676.2	723.6	734.3	811.8	798.9	831.2	1012.1	1050.9
45°	529.7	527.6	534.0	512.5	525.4	605.1	613.7	615.9	770.9	794.6
47.5°	417.8	417.8	424.2	396.2	389.8	439.3	484.5	491.0	615.9	648.2
50°	292.9	292.9	325.2	312.2	327.3	342.4	391.9	398.4	503.9	538.4
52.5°	215.3	219.6	224.0	226.1	275.6	273.5	316.6	346.7	381.2	441.5
55°	163.7	168.0	157.2	168.0	204.6	228.3	236.9	279.9	303.6	370.4
57.5°	107.7	118.4	109.8	129.2	137.8	176.6	189.5	230.4	245.5	303.6
60°	15.1	17.2	28.0	90.4	96.9	116.3	146.4	183.0	198.1	247.6
62.5°	2.2	2.2	6.5	15.1	64.6	77.5	109.8	127.1	146.4	185.2
65°	0.0	0.0	2.2	4.3	12.9	45.2	56.0	68.9	101.2	133.5
67.5°	0.0	0.0	2.2	4.3	6.5	15.1	23.7	45.2	58.1	92.6
70°	0.0	0.0	2.2	4.3	6.5	8.6	12.9	17.2	34.5	53.8
72.5°	0.0	0.0	2.2	4.3	6.5	8.6	10.8	12.9	15.1	34.5
75°	0.0	0.0	2.2	4.3	6.5	10.8	12.9	12.9	12.9	15.1
77.5°	0.0	0.0	2.2	4.3	8.6	12.9	15.1	12.9	10.8	10.8
80°	0.0	0.0	2.2	6.5	10.8	15.1	17.2	12.9	8.6	6.5
82.5°	0.0	0.0	2.2	6.5	10.8	15.1	17.2	15.1	8.6	6.5
85°	0.0	0.0	2.2	6.5	8.6	10.8	17.2	15.1	8.6	4.3
87.5°	0.0	0.0	0.0	2.2	2.2	4.3	8.6	6.5	4.3	2.2
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°
26015.5	0°	26015.5	26015.5	26015.5	26015.5	26015.5	26015.5	26015.5	26015.5	26015.5
26082.3	2.5°	26276.1	26373.0	26543.1	26590.5	26736.9	26568.9	26476.3	26485.0	26284.7
26017.7	5°	26276.1	26497.9	26795.1	26937.2	27044.9	27036.2	27012.6	26952.3	26805.8
25888.5	7.5°	26207.2	26568.9	26978.1	27167.6	27296.8	27286.0	27339.9	27243.0	27064.2
25658.0	10°	25985.4	26299.8	26803.7	26958.7	27167.6	27171.9	27105.1	27124.5	26805.8
24816.1	12.5°	25287.7	25533.1	25974.6	26151.2	26405.3	26446.2	26373.0	26345.0	26043.5
23435.7	15°	23937.5	24079.6	24523.2	24699.8	24951.7	24917.3	24990.5	24960.3	24695.5
21570.8	17.5°	21962.8	22008.0	22473.1	22621.7	22858.6	22951.2	22841.4	22981.3	22753.1
18997.5	20°	19131.0	19374.4	19897.6	20125.9	20263.7	20429.5	20285.3	20442.5	20175.4
15875.0	22.5°	16258.4	16402.6	16876.4	17205.9	17462.1	17494.4	17440.6	17550.4	17190.8
13123.0	25°	13120.8	13359.8	13734.5	14165.2	14417.2	14572.2	14432.2	14503.3	14445.2
10177.1	27.5°	10349.4	10562.5	10844.6	11165.5	11544.5	11746.9	11634.9	11755.5	11471.3
7588.7	30°	7595.1	7702.8	8021.5	8361.7	8777.4	9022.8	9033.6	9156.4	8988.4
5316.8	32.5°	5355.6	5450.3	5646.3	5872.4	6268.6	6542.1	6499.0	6516.3	6412.9
3464.9	35°	3482.1	3609.1	3749.1	3856.8	4095.8	4397.3	4373.6	4352.1	4281.0
2278.3	37.5°	2327.9	2377.4	2454.9	2551.8	2706.9	2896.4	2958.8	2881.3	2851.1
1537.5	40°	1574.2	1660.3	1712.0	1785.2	1858.4	2017.8	2060.8	2045.8	2015.6
1076.7	42.5°	1117.6	1184.4	1249.0	1320.0	1358.8	1457.9	1541.9	1518.2	1505.2
818.3	45°	848.4	908.7	984.1	1038.0	1076.7	1134.9	1214.5	1223.1	1203.8
656.8	47.5°	680.5	734.3	794.6	861.4	906.6	943.2	1012.1	1038.0	1025.0
553.4	50°	577.1	618.0	676.2	742.9	792.5	824.8	885.1	913.1	904.4
463.0	52.5°	491.0	540.5	594.3	650.3	710.6	742.9	798.9	839.8	833.4
383.3	55°	407.0	471.6	527.6	583.6	652.5	684.8	734.3	788.2	777.4
325.2	57.5°	355.3	409.2	467.3	521.1	594.3	637.4	682.6	738.6	736.5
267.0	60°	297.2	351.0	415.6	460.8	538.4	598.7	639.6	697.7	702.0
202.4	62.5°	236.9	303.6	353.2	415.6	486.7	557.7	596.5	654.6	676.2
155.0	65°	176.6	249.8	305.8	368.2	435.0	514.7	549.1	607.3	628.8
112.0	67.5°	131.4	187.3	258.4	312.2	387.6	456.5	497.4	551.3	566.4
66.8	70°	99.1	144.3	215.3	262.7	340.2	396.2	437.1	478.1	497.4
45.2	72.5°	58.1	107.7	170.1	226.1	292.9	340.2	370.4	402.7	415.6
21.5	75°	40.9	81.8	133.5	187.3	236.9	275.6	303.6	331.6	344.5
10.8	77.5°	21.5	60.3	105.5	150.7	185.2	217.5	245.5	267.0	275.6
8.6	80°	12.9	43.1	86.1	118.4	142.1	170.1	198.1	213.2	211.0
6.5	82.5°	8.6	34.5	62.4	86.1	103.4	124.9	144.3	155.0	155.0
4.3	85°	6.5	23.7	43.1	66.8	68.9	86.1	90.4	101.2	103.4
4.3	87.5°	4.3	15.1	23.7	38.8	36.6	45.2	47.4	53.8	58.1
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

180°
26015.5
26123.2
26853.2
27105.1
26713.2
25974.6
24779.5
22697.1
20153.9
17141.3
14408.6
11544.5
9018.5
6471.0
4218.6
2844.7
2019.9
1494.5
1201.6
1018.6
902.3
829.1
777.4
734.3
702.0
674.0
626.6
566.4
493.1
411.3
340.2
273.5
208.9
152.9
101.2
56.0
0.0

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