

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: P636575

Luminaire Tested: **IFLD-S-SA6C-927-U-66-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636575
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-66-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 6 distribution lens and Visor
Light Source: (96) 2700K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20945.5 lumens
Efficiency: N/A
Efficacy: 65.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G1

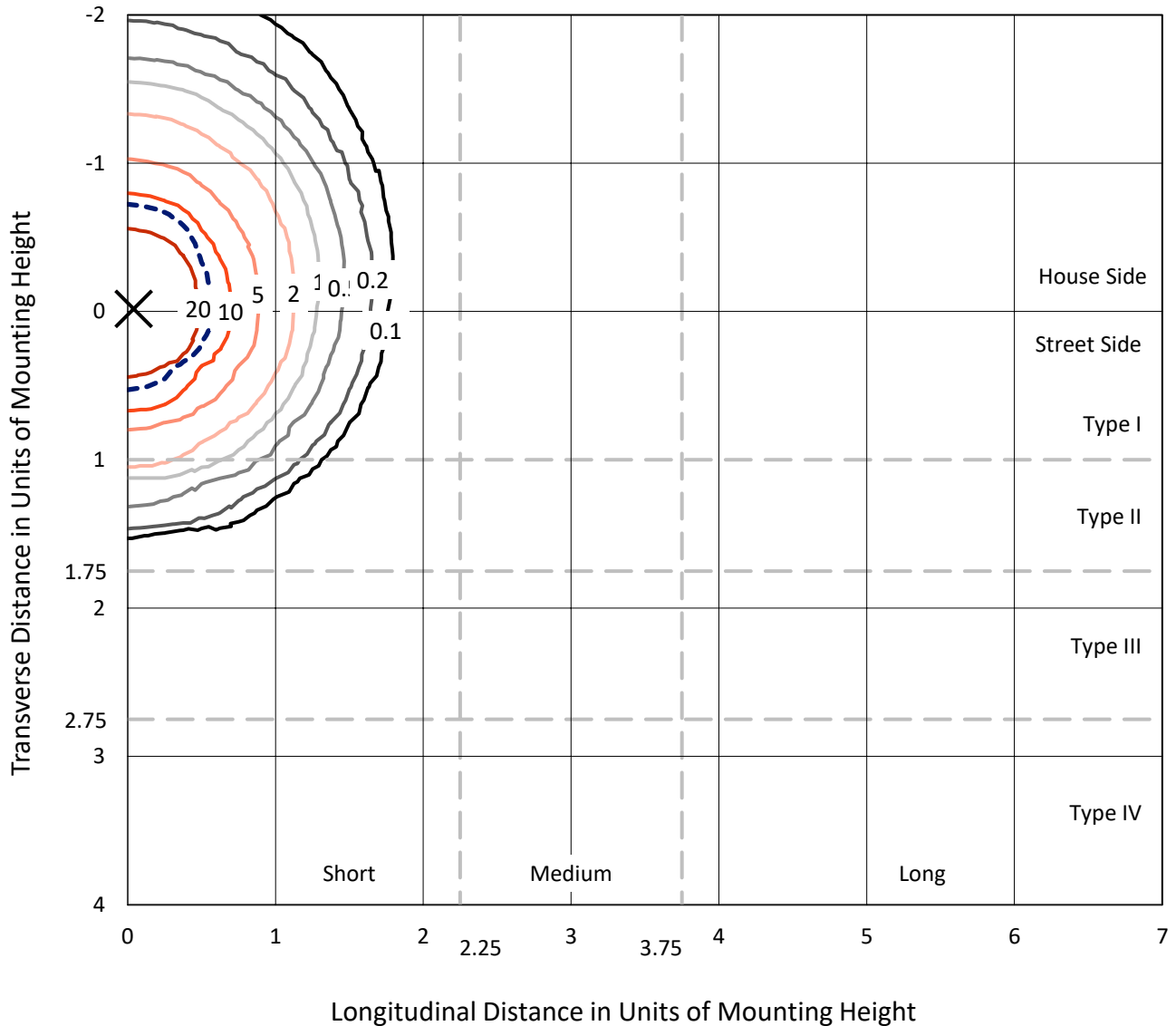
Input Watts (W): 321.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

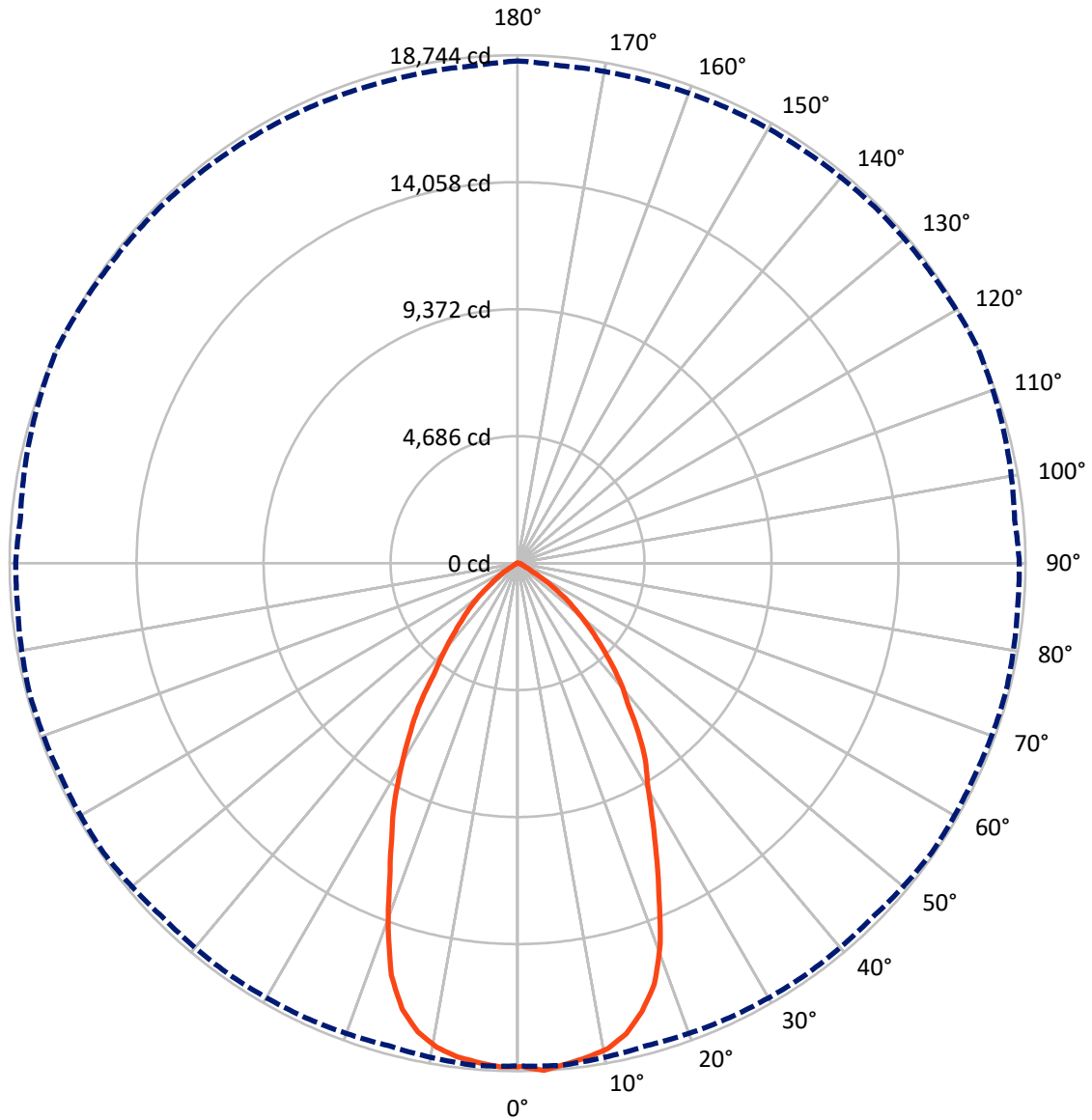
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 46.5 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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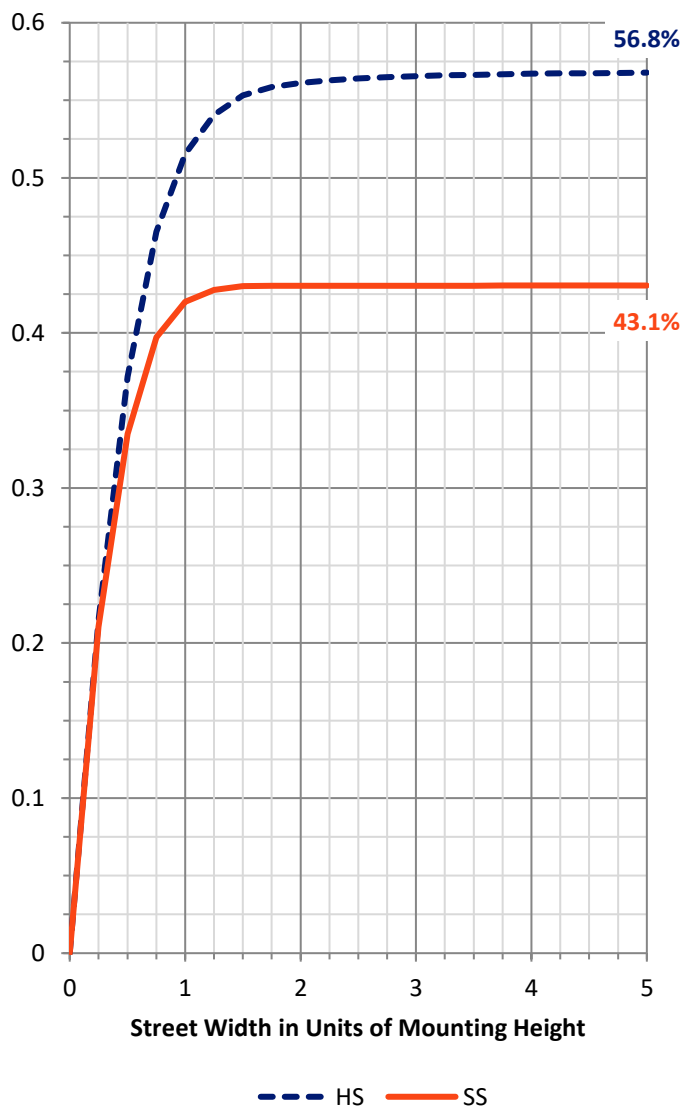
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11986.8	0.0	11986.8
	% Fixture	57.2	0.0	57.2
Street Side	Lumens	8958.7	0.0	8958.7
	% Fixture	42.8	0.0	42.8
Total	Lumens	20945.5	0.0	20945.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1750.4	8.4
10°-20°	4641.1	22.2
20°-30°	5308.4	25.3
30°-40°	4549.2	21.7
40°-50°	3008.1	14.4
50°-60°	1312.6	6.3
60°-70°	257.9	1.2
70°-80°	93.1	0.4
80°-90°	24.8	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°	20945.5	100.0
0°-180°	20945.5	100.0



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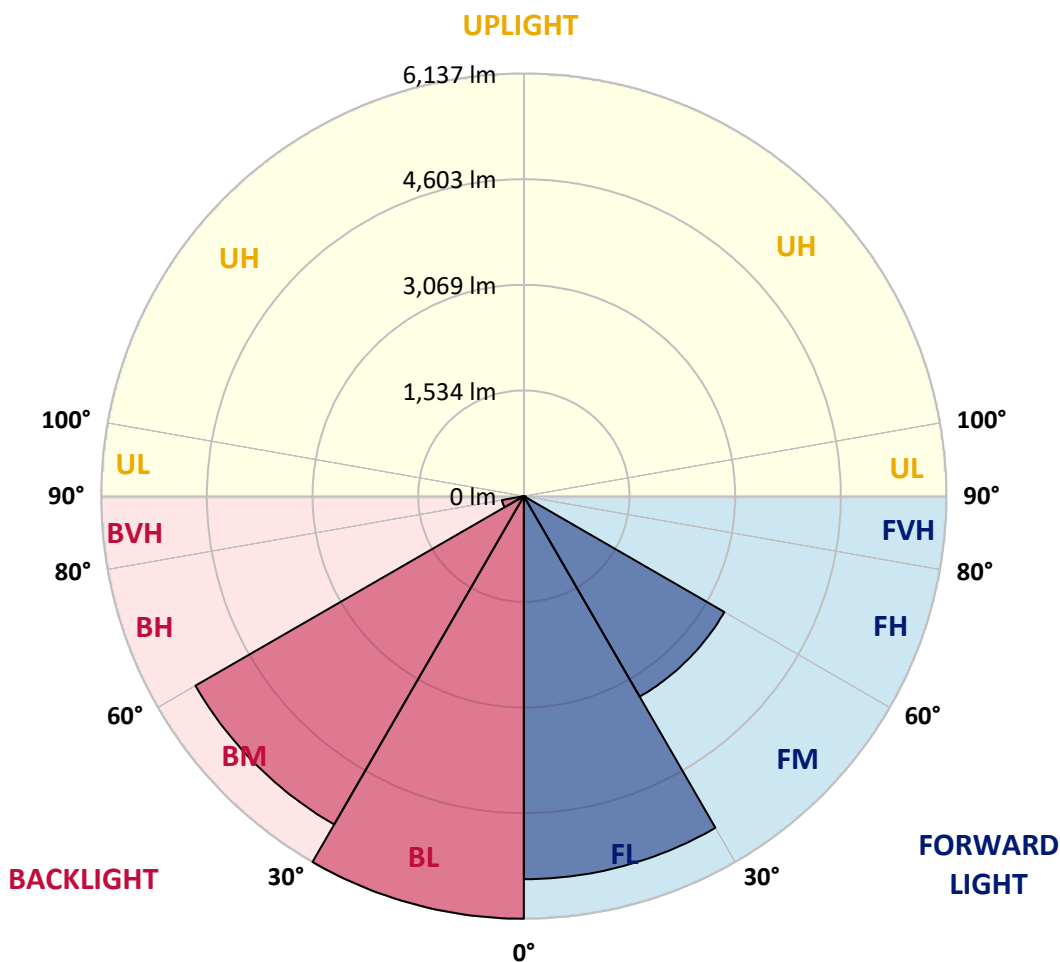
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5562.7	26.6			
FM (30°-60°)	3363.4	16.1			
FH (60°-80°)	28.5	0.1			G0/660
FVH (80°-90°)	4.1	0.0			G0/10
BL (0°-30°)	6137.2	29.3	B5		
BM (30°-60°)	5506.5	26.3	B4/8500		
BH (60°-80°)	322.5	1.5	B1/500		G1/500
BVH (80°-90°)	20.7	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°	18583.9	18583.9	18583.9	18583.9	18583.9	18583.9	18583.9	18583.9	18583.9	18583.9
2.5°	18557.2	18601.7	18432.5	18508.2	18539.4	18499.3	18646.2	18601.7	18637.3	18526.0
5°	18557.2	18601.7	18405.8	18441.4	18450.3	18374.6	18534.9	18481.5	18486.0	18370.2
7.5°	18441.4	18494.9	18316.8	18343.5	18347.9	18285.6	18423.6	18347.9	18321.2	18201.0
10°	18129.8	18160.9	18000.7	18067.4	18129.8	18071.9	18192.1	18107.5	18107.5	18000.7
12.5°	17635.6	17693.4	17515.4	17595.5	17648.9	17582.1	17720.2	17689.0	17693.4	17586.6
15°	16736.2	16535.8	16749.6	16909.8	16914.3	16900.9	17030.1	16998.9	17021.1	16860.9
17.5°	12364.0	12315.1	12564.4	14456.6	15863.6	16055.0	16077.3	15908.1	15832.4	15676.6
20°	11455.8	11491.4	11438.0	11446.9	12555.5	14857.3	14719.3	14300.8	14109.3	13953.5
22.5°	10792.4	10734.5	10698.9	10676.6	10707.8	12208.2	13201.1	12568.8	12466.4	12390.8
25°	10071.1	10044.4	9999.9	9991.0	9973.2	9719.4	11148.6	11206.4	11041.7	10948.2
27.5°	9398.8	9381.0	9332.0	9327.6	9122.8	8508.3	8664.2	10039.9	9995.4	9959.8
30°	8682.0	8646.4	8619.7	8619.7	8000.8	7368.6	7114.8	8753.2	8753.2	8722.1
32.5°	7902.8	7871.7	7880.6	7773.7	7034.6	6455.8	6055.1	7555.6	8023.0	7996.3
35°	4830.7	4821.8	5725.7	6914.4	6046.2	5520.9	5494.1	6464.7	7145.9	7217.2
37.5°	4300.9	4274.2	4287.6	4363.3	5178.0	4968.8	4959.9	5124.6	6081.8	6117.5
40°	3860.1	3842.3	3829.0	3557.4	3299.2	4434.5	4403.3	4296.5	5195.8	5258.2
42.5°	3441.6	3423.8	3423.8	3040.9	2622.4	3646.4	3659.8	3535.1	4381.1	4403.3
45°	3009.8	2996.4	2920.7	2426.5	2306.3	2422.1	3032.0	2889.5	3477.2	3708.8
47.5°	1420.3	1411.4	2043.6	2016.9	2008.0	1936.8	2315.2	2395.3	2760.4	2991.9
50°	1139.8	1130.9	1077.5	948.3	1651.8	1469.3	1669.6	1843.3	1959.0	2172.7
52.5°	943.9	935.0	823.7	730.2	917.2	1073.0	997.3	1233.3	1228.8	1460.4
55°	618.9	574.3	632.2	596.6	480.8	779.2	761.3	935.0	912.7	1113.1
57.5°	13.4	13.4	31.2	338.4	302.8	329.5	436.3	534.3	601.1	658.9
60°	4.5	4.5	8.9	17.8	124.7	138.0	169.2	195.9	276.0	342.8
62.5°	0.0	0.0	4.5	8.9	17.8	71.2	80.1	93.5	129.1	178.1
65°	0.0	0.0	0.0	4.5	8.9	17.8	26.7	57.9	80.1	102.4
67.5°	0.0	0.0	0.0	4.5	4.5	8.9	17.8	26.7	35.6	71.2
70°	0.0	0.0	0.0	4.5	4.5	8.9	13.4	17.8	26.7	35.6
72.5°	0.0	0.0	0.0	4.5	4.5	13.4	8.9	13.4	17.8	22.3
75°	0.0	0.0	0.0	4.5	4.5	4.5	8.9	13.4	13.4	17.8
77.5°	0.0	0.0	0.0	4.5	8.9	8.9	8.9	8.9	8.9	13.4
80°	0.0	0.0	0.0	4.5	4.5	8.9	13.4	17.8	8.9	8.9
82.5°	0.0	0.0	0.0	8.9	4.5	17.8	26.7	22.3	8.9	4.5
85°	0.0	0.0	0.0	4.5	17.8	22.3	22.3	13.4	4.5	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°
18583.9	0°	18583.9	18583.9	18583.9	18583.9	18583.9	18583.9	18583.9	18583.9	18583.9
18517.1	2.5°	18414.7	18588.4	18744.2	18646.2	18610.6	18539.4	18486.0	18428.1	18423.6
18356.8	5°	18254.4	18419.2	18570.6	18454.8	18463.7	18428.1	18392.5	18379.1	18388.0
18192.1	7.5°	18116.4	18254.4	18419.2	18321.2	18347.9	18325.7	18307.9	18281.2	18321.2
17978.4	10°	17907.2	18031.8	18223.3	18129.8	18116.4	18094.2	18076.3	18027.4	18049.6
17591.0	12.5°	17448.6	17604.4	17822.6	17715.7	17751.3	17689.0	17662.3	17631.1	17635.6
16918.7	15°	16825.2	16945.5	17168.1	17083.5	17110.2	17070.1	17070.1	17070.1	17101.3
15698.8	17.5°	15738.9	15983.8	16335.5	16228.6	16268.7	16277.6	16268.7	16299.9	16339.9
13962.4	20°	13971.3	14389.8	15031.0	15240.2	15324.8	15329.3	15266.9	15342.6	15422.8
12337.3	22.5°	12346.2	12787.0	13352.5	13926.8	14283.0	14265.2	14274.1	14323.1	14407.6
10890.3	25°	10939.3	11362.3	11874.3	12386.3	13165.5	13325.7	13330.2	13374.7	13441.5
9901.9	27.5°	9924.2	10088.9	10556.4	11072.9	11909.9	12421.9	12395.2	12435.3	12506.5
8664.2	30°	8699.8	9332.0	9438.9	9755.0	10476.3	11415.7	11420.2	11464.7	11535.9
7934.0	32.5°	7911.7	8330.3	8659.7	8668.6	9283.0	10249.2	10440.6	10485.2	10534.1
7177.1	35°	7172.7	7221.6	7666.9	7791.5	8147.7	9105.0	9443.3	9470.0	9550.2
6104.1	37.5°	6206.5	6495.9	6620.6	7065.8	7083.6	7858.3	8530.6	8503.9	8566.2
5253.7	40°	5320.5	5596.5	5912.7	6237.7	6282.2	6861.0	7604.5	7631.2	7658.0
4358.8	42.5°	4394.4	4746.2	5071.2	5289.3	5592.1	5926.0	6633.9	6758.6	6820.9
3735.5	45°	3802.3	3900.2	4287.6	4608.1	4915.3	5071.2	5734.6	5961.6	6001.7
2956.3	47.5°	2996.4	3325.9	3588.6	3860.1	4243.0	4381.1	4861.9	5178.0	5209.2
2195.0	50°	2315.2	2551.2	2911.8	3156.7	3601.9	3677.6	4007.1	4416.7	4456.8
1469.3	52.5°	1656.3	1976.8	2328.6	2564.5	2991.9	3089.9	3334.8	3726.6	3753.3
1126.4	55°	1188.8	1398.0	1687.4	2025.8	2337.5	2555.6	2724.8	3098.8	3134.4
739.1	57.5°	810.3	1006.2	1126.4	1464.8	1651.8	1887.8	2025.8	2310.7	2337.5
351.7	60°	387.4	480.8	574.3	743.5	863.7	1064.1	1153.1	1268.9	1300.1
213.7	62.5°	249.3	293.9	374.0	445.2	561.0	685.7	721.3	819.2	854.8
133.6	65°	164.7	209.3	293.9	311.7	427.4	525.4	569.9	641.1	681.2
80.1	67.5°	93.5	146.9	218.2	258.2	338.4	431.9	480.8	543.2	578.8
53.4	70°	62.3	120.2	173.6	213.7	267.1	347.3	409.6	463.0	485.3
26.7	72.5°	35.6	75.7	120.2	169.2	213.7	289.4	347.3	391.8	258.2
17.8	75°	22.3	57.9	102.4	142.5	178.1	231.5	280.5	276.0	115.8
13.4	77.5°	17.8	44.5	89.0	120.2	146.9	160.3	200.4	227.1	89.0
8.9	80°	13.4	35.6	80.1	102.4	57.9	115.8	155.8	169.2	62.3
8.9	82.5°	8.9	22.3	66.8	71.2	40.1	84.6	124.7	111.3	44.5
4.5	85°	4.5	13.4	22.3	40.1	35.6	40.1	31.2	44.5	31.2
4.5	87.5°	4.5	8.9	17.8	17.8	17.8	13.4	17.8	17.8	17.8
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



180°
18583.9
18530.5
18499.3
18432.5
18156.5
17764.7
17114.6
16473.5
15476.2
14421.0
13557.3
12573.3
11660.6
10645.5
9634.8
8641.9
7742.6
6910.0
6099.7
5284.9
4514.6
3802.3
3165.6
2390.9
1335.7
863.7
681.2
574.3
480.8
209.3
115.8
89.0
66.8
44.5
31.2
17.8
0.0

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