

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: P636468

Luminaire Tested: **IFLD-L-SA7B-930-U-55-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636468
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7B-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: 18859.8 lumens
Efficiency: N/A
Efficacy: 67.1 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): 281
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



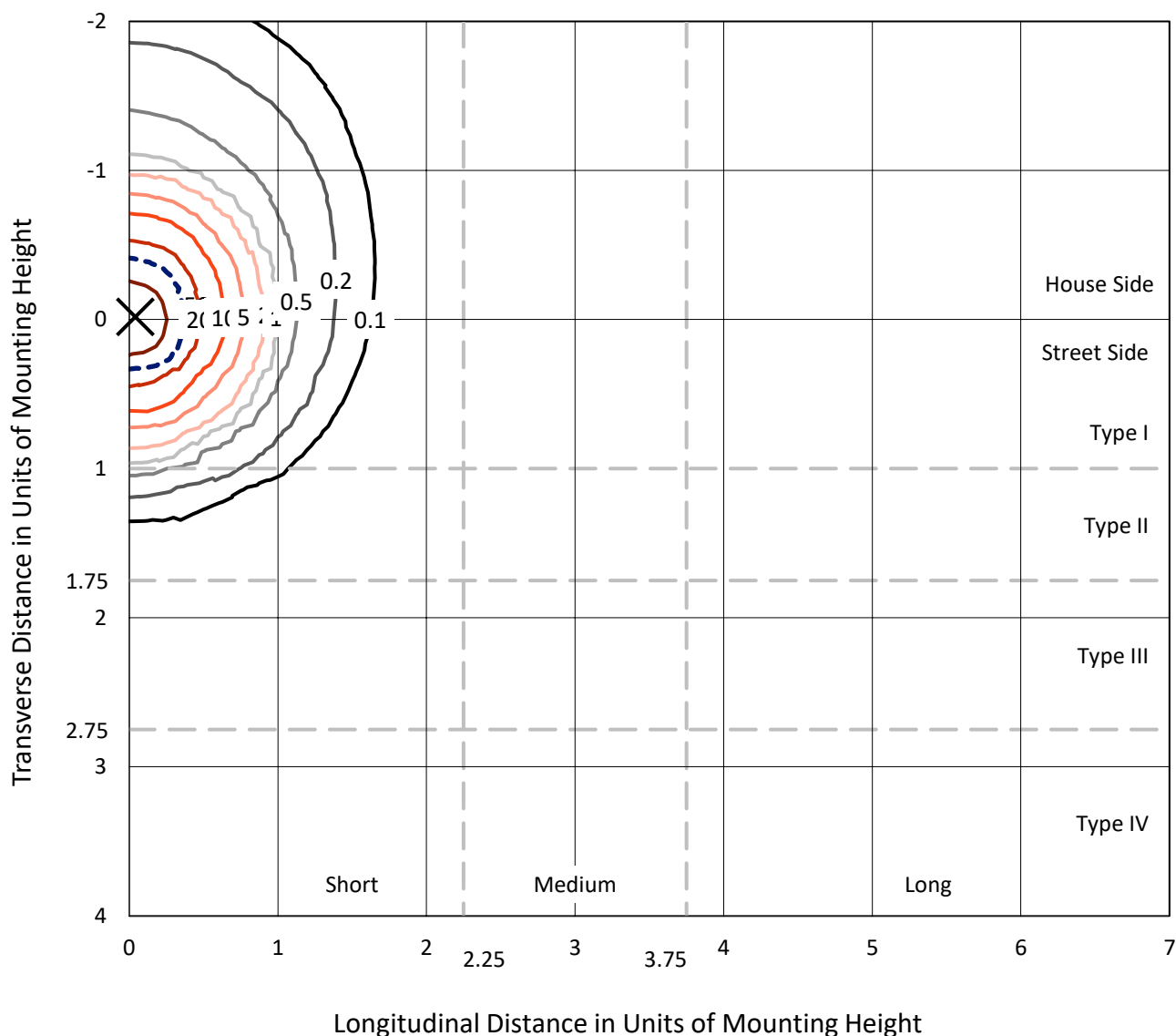
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

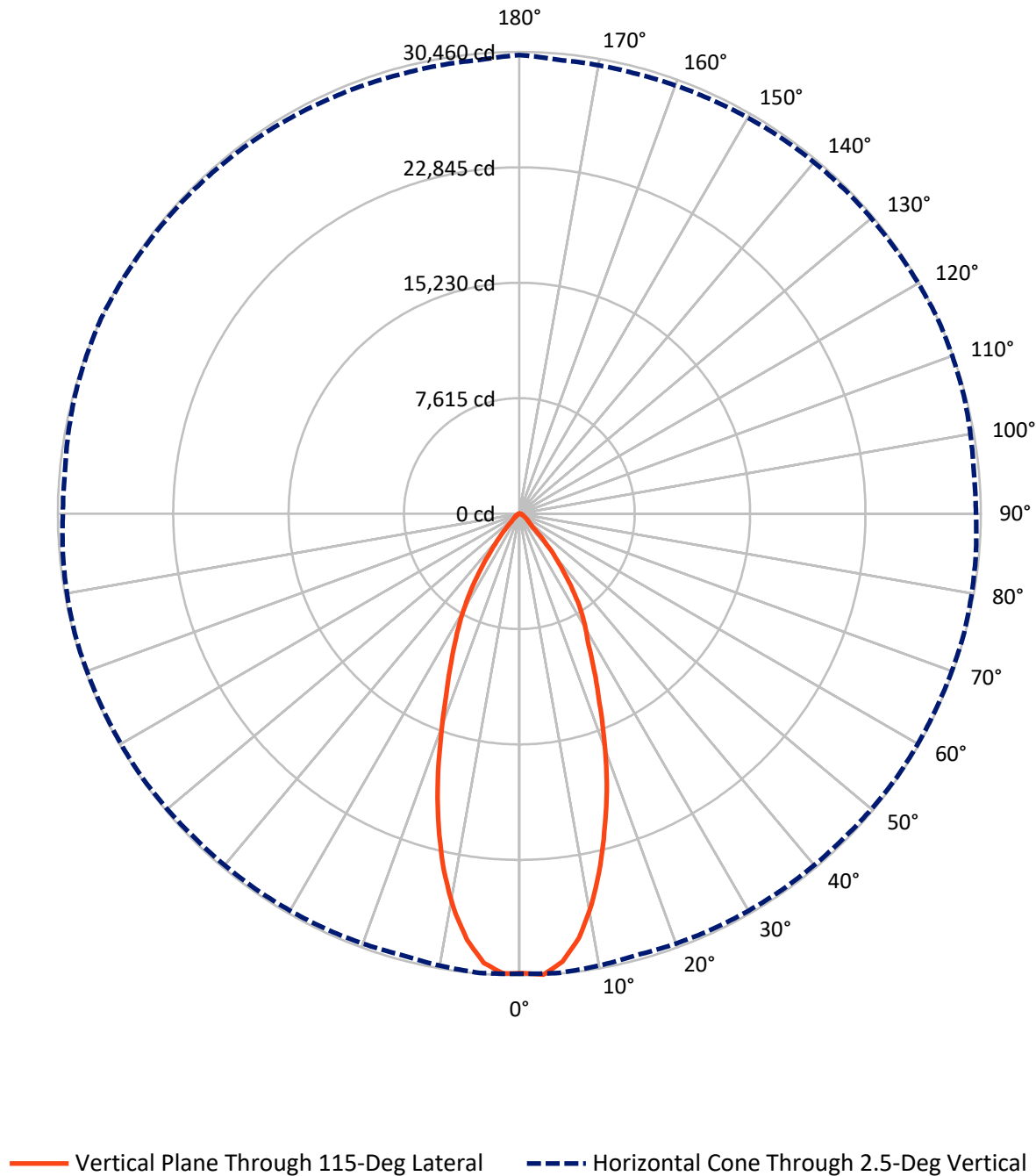


Based on 20 foot mounting height. Maximum calculated value = 75.8 fc

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	10408.4	0.0	10408.4
	% Fixture	55.2	0.0	55.2
Street Side	Lumens	8451.4	0.0	8451.4
	% Fixture	44.8	0.0	44.8
Total	Lumens	18859.8	0.0	18859.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2719.2	14.4
10°-20°	5747.0	30.5
20°-30°	5187.0	27.5
30°-40°	3432.6	18.2
40°-50°	1028.2	5.5
50°-60°	412.5	2.2
60°-70°	213.6	1.1
70°-80°	92.7	0.5
80°-90°	27.0	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°	18859.8	100.0
0°-180°	18859.8	100.0

Coefficient of Utilization



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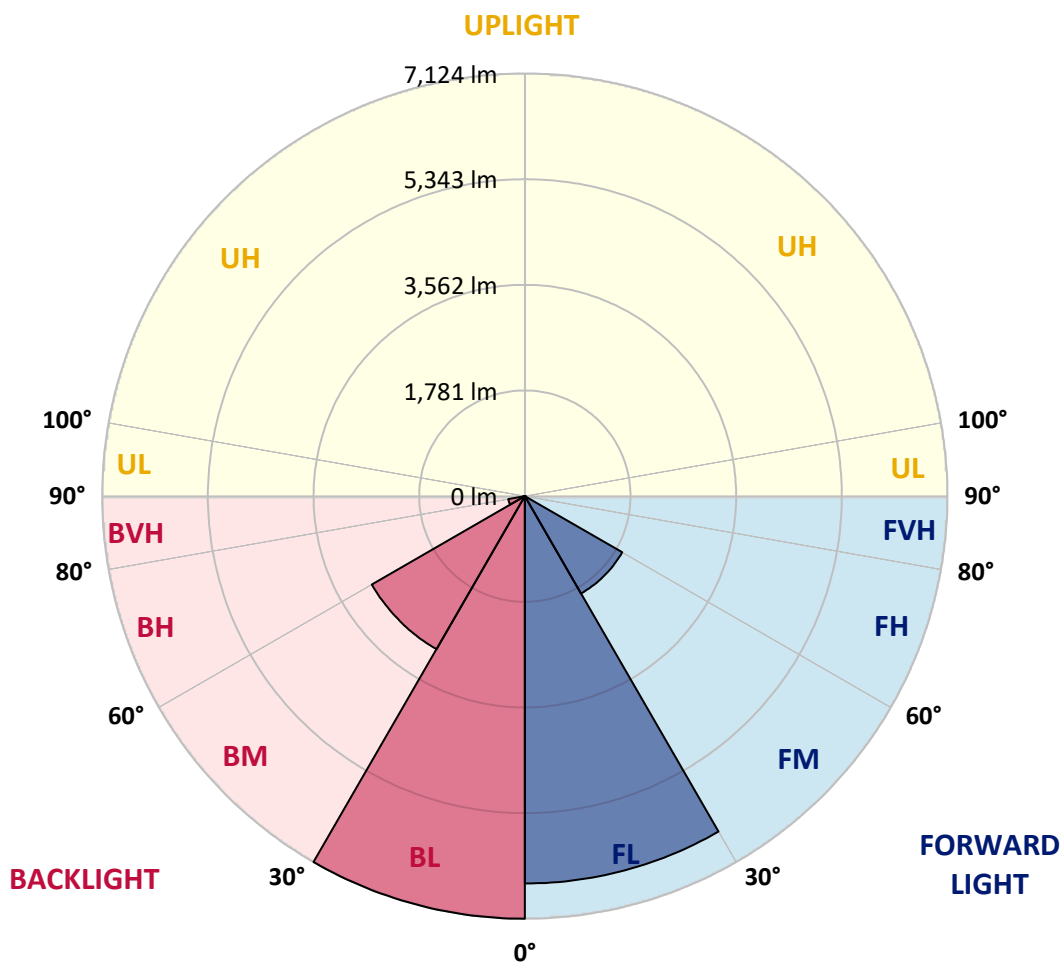
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	6529.4	34.6			
FM	(30°-60°)	1894.6	10.0			
FH	(60°-80°)	23.5	0.1			G0/660
FVH	(80°-90°)	3.9	0.0			G0/10
BL	(0°-30°)	7123.8	37.8	B5		
BM	(30°-60°)	2978.6	15.8	B3/5000		
BH	(60°-80°)	282.9	1.5	B1/500		G1/500
BVH	(80°-90°)	23.1	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°	30317.1	30317.1	30317.1	30317.1	30317.1	30317.1	30317.1	30317.1	30317.1	30317.1
2.5°	30355.7	30409.7	30139.7	30232.3	30270.8	30282.4	30378.8	30363.4	30390.4	30247.7
5°	29954.6	29850.4	29649.8	29653.7	29642.1	29534.1	29754.0	29738.6	29692.3	29522.6
7.5°	28589.1	28739.6	28361.6	28353.8	28346.1	28215.0	28504.3	28326.8	28365.4	28122.4
10°	26591.1	26610.4	26274.8	26244.0	26271.0	26101.3	26436.8	26367.4	26440.7	26186.1
12.5°	24141.8	24249.8	23879.6	23825.6	23933.6	23694.4	23964.4	23999.1	23891.1	23856.4
15°	18934.7	19220.1	19922.1	20994.4	21272.1	21071.6	21287.6	21283.7	21330.0	21067.7
17.5°	14425.7	14452.7	14286.8	14799.8	17769.8	18734.1	18780.4	18414.0	18136.3	18039.8
20°	12593.6	12686.1	12535.7	12578.1	13052.6	15879.8	15987.8	15436.3	14961.8	14923.3
22.5°	11135.6	11193.4	11085.4	11120.1	11143.3	11475.0	13353.4	12867.4	12639.9	12466.3
25°	9901.3	9901.3	9843.4	9855.0	9831.9	9342.0	10306.3	10861.7	10730.6	10668.9
27.5°	8775.0	8790.4	8717.1	8759.6	8478.0	7687.3	7571.6	9210.9	9072.0	8960.1
30°	7706.6	7756.7	7687.3	7710.4	7097.1	6449.1	6117.4	7683.4	7857.0	7826.1
32.5°	5801.1	6028.7	6588.0	6611.1	5778.0	5280.4	5133.9	6167.6	6827.1	6769.3
35°	3594.9	3583.3	3606.4	4717.3	4431.9	4092.4	4146.4	4659.4	5403.9	5376.9
37.5°	2742.4	2738.6	2781.0	2669.1	2904.4	3105.0	3147.4	3147.4	3945.9	3949.7
40°	2079.0	2063.6	2059.7	1882.3	1577.6	2329.7	2260.3	2202.4	2742.4	2800.3
42.5°	1326.9	1373.1	1338.4	1145.6	1029.9	1272.9	1419.4	1373.1	1693.3	1735.7
45°	740.6	740.6	709.7	601.7	597.9	644.1	810.0	756.0	867.9	925.7
47.5°	358.7	351.0	385.7	474.4	493.7	478.3	578.6	601.7	655.7	709.7
50°	289.3	289.3	273.9	246.9	408.9	393.4	428.1	459.0	489.9	536.1
52.5°	243.0	243.0	223.7	208.3	235.3	300.9	304.7	362.6	358.7	424.3
55°	123.4	127.3	181.3	181.3	158.1	246.9	250.7	293.1	300.9	354.9
57.5°	11.6	15.4	23.1	111.9	123.4	135.0	189.0	216.0	250.7	273.9
60°	3.9	3.9	7.7	15.4	73.3	92.6	119.6	142.7	173.6	227.6
62.5°	0.0	0.0	3.9	7.7	15.4	57.9	65.6	73.3	104.1	142.7
65°	0.0	0.0	3.9	3.9	7.7	19.3	27.0	46.3	65.6	88.7
67.5°	0.0	0.0	3.9	3.9	7.7	11.6	15.4	23.1	30.9	57.9
70°	0.0	0.0	3.9	3.9	7.7	11.6	11.6	15.4	19.3	27.0
72.5°	0.0	0.0	3.9	3.9	7.7	15.4	11.6	11.6	15.4	19.3
75°	0.0	0.0	3.9	3.9	7.7	11.6	11.6	11.6	11.6	11.6
77.5°	0.0	0.0	3.9	3.9	7.7	11.6	11.6	11.6	7.7	7.7
80°	0.0	0.0	3.9	3.9	7.7	11.6	15.4	15.4	7.7	7.7
82.5°	0.0	0.0	3.9	7.7	7.7	19.3	23.1	19.3	7.7	3.9
85°	0.0	0.0	3.9	3.9	11.6	19.3	19.3	11.6	7.7	3.9
87.5°	0.0	0.0	0.0	3.9	3.9	7.7	11.6	11.6	3.9	3.9
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°
30317.1	0°	30317.1	30317.1	30317.1	30317.1	30317.1	30317.1	30317.1	30317.1	30317.1
30132.0	2.5°	30116.6	30351.8	30459.8	30348.0	30294.0	30216.8	30105.0	30027.8	30043.3
29430.0	5°	29364.4	29611.3	29696.1	29599.7	29518.7	29476.3	29457.0	29495.6	29595.8
28018.3	7.5°	28010.6	28168.7	28261.3	28215.0	28103.1	28230.4	28265.1	28242.0	28388.6
26109.0	10°	26116.7	26290.3	26205.4	26224.7	26093.6	26159.1	26139.8	26224.7	26371.3
23829.4	12.5°	23675.1	23841.0	23775.4	23763.8	23625.0	23748.4	23671.3	23763.8	23956.7
20959.7	15°	21110.1	21214.3	21171.8	21106.3	20982.8	21025.3	21264.4	21249.0	21333.8
17982.0	17.5°	17904.8	18406.3	18680.1	18738.0	18637.7	18722.6	18892.3	18849.8	19042.7
14842.3	20°	14815.3	15320.6	15995.6	16543.3	16554.8	16566.4	16674.4	16701.4	16867.3
12470.1	22.5°	12416.1	12774.9	13500.0	14225.1	14726.6	14830.7	14819.1	14857.7	14904.0
10584.0	25°	10557.0	10819.3	11482.7	11984.1	12863.6	13156.7	13241.6	13156.7	13183.7
8921.6	27.5°	9021.9	9423.0	9642.9	10179.0	11039.1	11718.0	11691.0	11640.9	11648.6
7764.4	30°	7760.6	8192.6	8516.6	8678.6	9326.6	10306.3	10406.6	10263.9	10267.7
6742.3	32.5°	6699.9	6834.9	7313.1	7444.3	7860.9	8751.9	9095.1	8987.1	8967.9
5392.3	35°	5550.4	5623.7	5843.6	6102.0	6348.9	7023.9	7590.9	7490.6	7540.7
3965.1	37.5°	3949.7	4250.6	4462.7	4674.9	4852.3	5276.6	5959.3	5866.7	5916.9
2808.0	40°	2784.9	2919.9	3286.3	3378.9	3641.1	3837.9	4416.4	4385.6	4447.3
1743.4	42.5°	1712.6	1809.0	1994.1	2082.9	2260.3	2372.1	2711.6	2750.1	2831.1
964.3	45°	972.0	1014.4	1141.7	1238.1	1369.3	1415.6	1535.1	1589.1	1635.4
748.3	47.5°	740.6	786.9	871.7	956.6	1064.6	1103.1	1188.0	1269.0	1311.4
578.6	50°	605.6	648.0	736.7	806.1	914.1	948.9	1018.3	1107.0	1161.0
439.7	52.5°	459.0	520.7	628.7	702.0	813.9	856.3	921.9	1010.6	1060.7
362.6	55°	378.0	424.3	520.7	621.0	725.1	783.0	825.4	933.4	987.4
297.0	57.5°	324.0	358.7	420.4	540.0	628.7	713.6	748.3	848.6	902.6
235.3	60°	246.9	300.9	354.9	447.4	547.7	636.4	675.0	763.7	806.1
169.7	62.5°	204.4	239.1	308.6	358.7	470.6	563.1	601.7	682.7	713.6
111.9	65°	142.7	192.9	258.4	289.3	393.4	482.1	536.1	597.9	628.7
65.6	67.5°	84.9	142.7	204.4	246.9	320.1	408.9	466.7	524.6	551.6
38.6	70°	54.0	111.9	162.0	208.3	250.7	335.6	405.0	455.1	443.6
23.1	72.5°	30.9	69.4	119.6	169.7	208.3	281.6	347.1	385.7	273.9
15.4	75°	19.3	50.1	100.3	138.9	169.7	223.7	285.4	293.1	169.7
7.7	77.5°	15.4	38.6	77.1	111.9	115.7	165.9	200.6	227.6	127.3
7.7	80°	7.7	30.9	65.6	92.6	73.3	115.7	154.3	177.4	100.3
3.9	82.5°	7.7	19.3	50.1	65.6	54.0	88.7	111.9	127.3	84.9
3.9	85°	3.9	15.4	27.0	38.6	38.6	57.9	50.1	61.7	54.0
3.9	87.5°	3.9	7.7	15.4	19.3	15.4	23.1	27.0	27.0	23.1
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

180°
30317.1
30251.6
29804.1
28535.1
26429.1
23991.4
21353.1
19011.8
16832.6
14819.1
13141.3
11660.1
10271.6
9014.1
7587.0
5959.3
4470.4
2923.7
1631.6
1330.7
1184.1
1095.4
1002.9
925.7
813.9
717.4
628.7
547.7
408.9
243.0
158.1
127.3
104.1
92.6
54.0
19.3
0.0

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