

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: P637908

Luminaire Tested: **IFLD-S-SA6B-740-U-66-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P637908  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA6B-740-U-66-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 6 distribution lens and Visor  
Light Source: (96) 4000K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 28146.2 lumens  
Efficiency: N/A  
Efficacy: 114.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B5 - U0 - G2

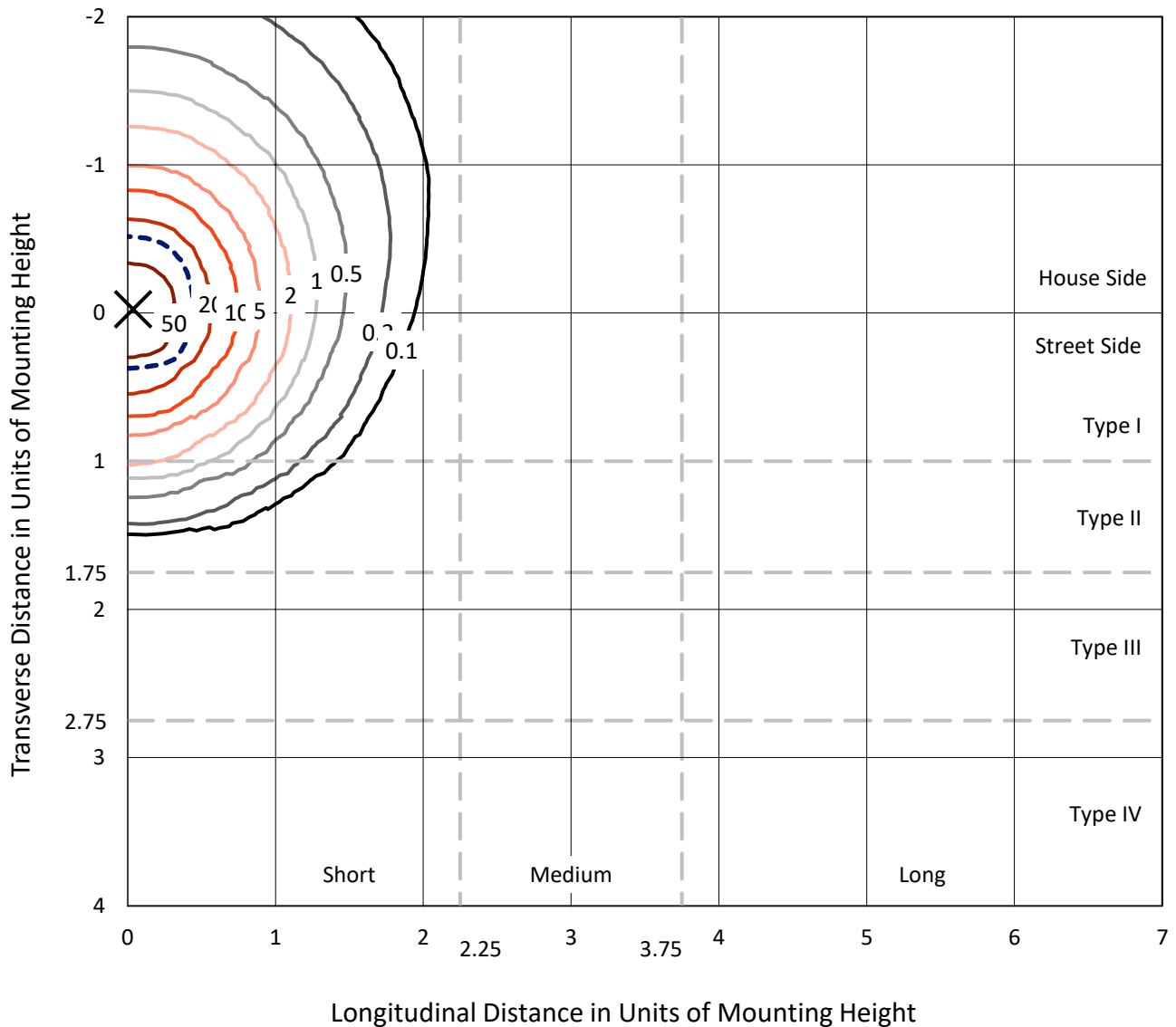
Input Watts (W): 244.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

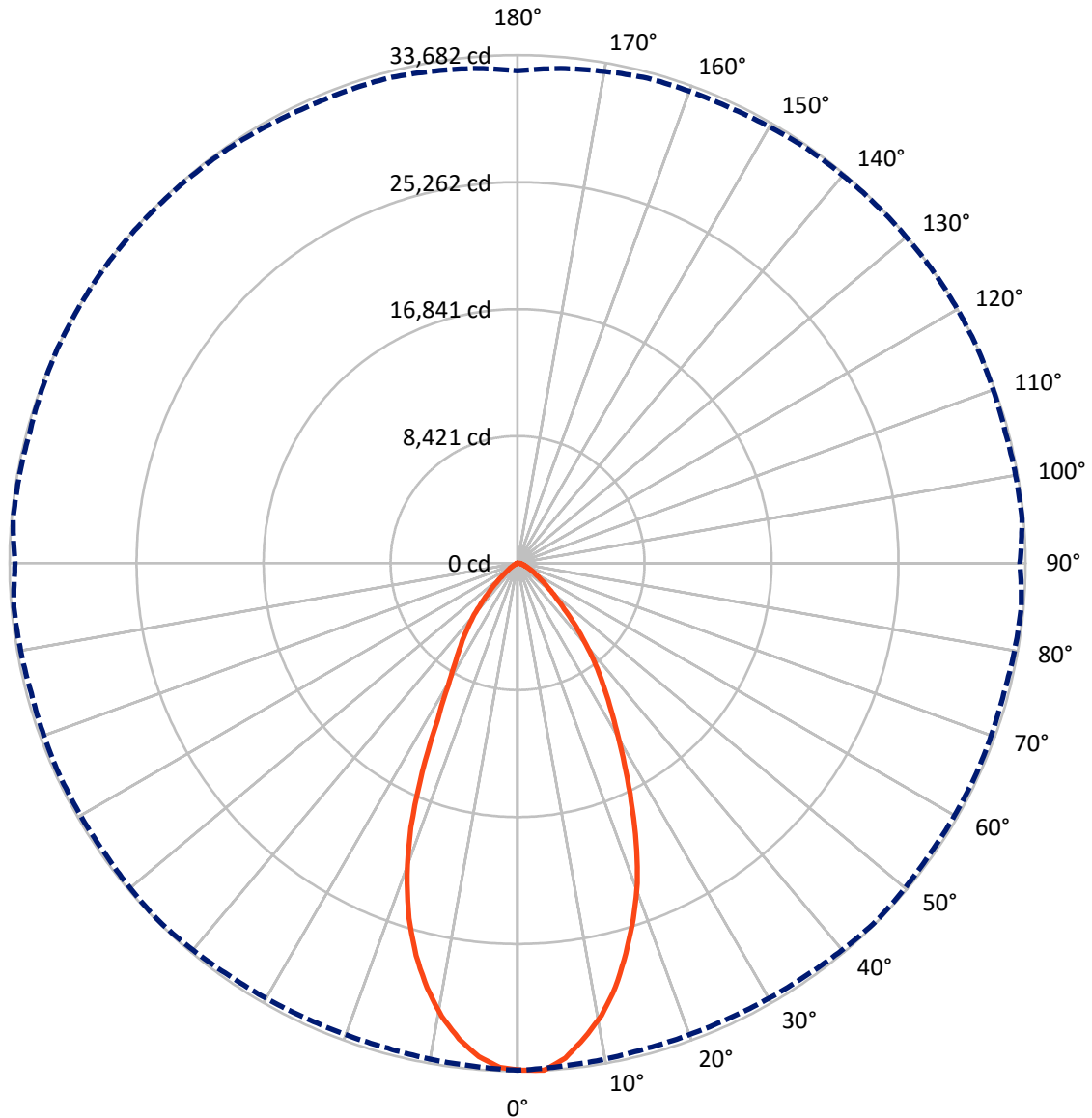
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 84.1 fc  
 Type I - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 125-Deg Lateral    - - - Horizontal Cone Through 2.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	15971.2	0.0	15971.2
	% Fixture	56.7	0.0	56.7
<b>Street Side</b>	Lumens	12174.9	0.0	12174.9
	% Fixture	43.3	0.0	43.3
<b>Total</b>	Lumens	28146.2	0.0	28146.2
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	3053.5	10.8
10°-20°	7278.9	25.9
20°-30°	7413.5	26.3
30°-40°	5528.2	19.6
40°-50°	2888.1	10.3
50°-60°	1214.7	4.3
60°-70°	496.1	1.8
70°-80°	208.8	0.7
80°-90°	64.3	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°	28146.2	100.0
0°-180°	28146.2	100.0



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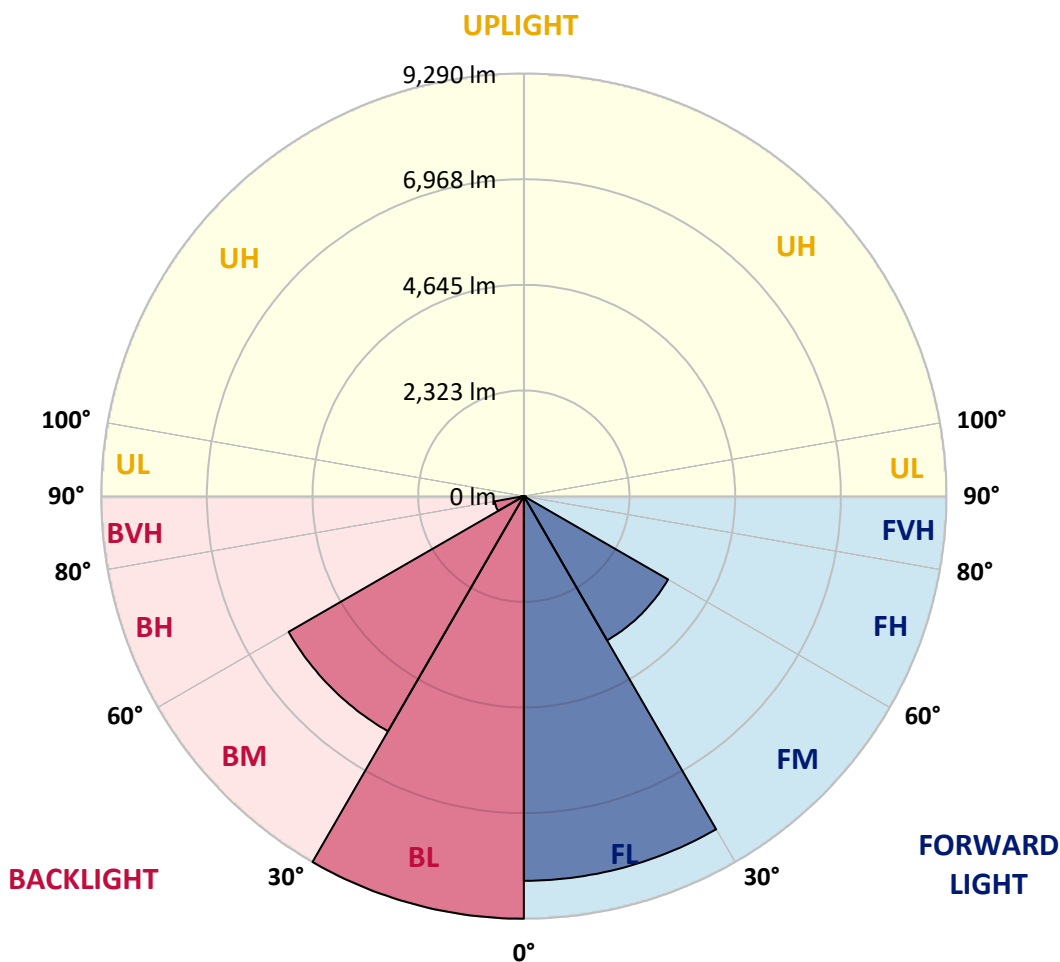
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	8455.5	30.0			
FM (30°-60°)	3660.5	13.0			
FH (60°-80°)	53.0	0.2			G0/660
FVH (80°-90°)	6.0	0.0			G0/10
BL (0°-30°)	9290.5	33.0	B5		
BM (30°-60°)	5970.5	21.2	B4/8500		
BH (60°-80°)	651.9	2.3	B2/1000		G2/1000
BVH (80°-90°)	58.3	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-G2**

Type I Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	33627.8	33627.8	33627.8	33627.8	33627.8	33627.8	33627.8	33627.8	33627.8	33627.8
2.5°	33631.5	33494.1	33298.8	33280.7	33382.0	33602.5	33461.5	33468.8	33382.0	33530.2
5°	33103.6	32973.4	32839.7	32662.5	32810.7	32904.7	32832.4	32752.9	32640.8	32785.4
7.5°	32105.7	32033.4	31834.5	31755.0	31845.4	31950.2	31794.8	31773.1	31617.6	31805.6
10°	30580.0	30551.0	30355.8	30308.8	30388.3	30547.4	30478.7	30464.3	30366.6	30348.6
12.5°	28996.4	28884.3	28642.1	28627.6	28746.9	28985.5	28801.1	28624.0	28678.2	28725.2
15°	24918.1	24798.8	25398.9	26342.6	26837.9	26819.8	26874.1	26660.8	26595.7	26617.4
17.5°	19809.4	19606.9	19823.8	21284.5	23638.2	25004.9	24628.8	24169.7	23923.8	23761.1
20°	17097.7	17108.6	17068.8	17444.8	18912.7	22029.3	21938.9	21053.1	20731.3	20597.5
22.5°	15449.1	15387.6	15300.8	15420.1	15814.2	17643.7	18869.3	18055.8	17943.8	17795.5
25°	13832.9	13832.9	13728.1	13847.4	13959.5	13984.8	15214.1	15546.7	15329.8	15329.8
27.5°	12433.7	12361.4	12314.4	12368.7	12220.4	11508.2	11663.6	13366.5	13218.3	13127.9
30°	11045.4	11023.7	10944.1	11016.5	10466.9	9664.3	9338.9	11280.4	11435.9	11403.3
32.5°	9118.3	9205.1	9559.4	9671.5	8731.5	8084.3	7773.3	9364.2	9986.0	9960.7
35°	6197.0	6269.3	6674.2	8012.0	7238.2	6775.5	6685.1	7447.9	8471.1	8568.8
37.5°	4935.2	4924.3	5040.0	5278.6	5817.4	5705.3	5680.0	5878.8	6909.2	6952.6
40°	4067.4	4053.0	4049.4	3854.1	3720.4	4743.5	4674.9	4555.5	5448.6	5535.3
42.5°	3279.3	3293.7	3304.6	2877.9	2682.7	3658.9	3619.1	3496.2	4273.5	4374.8
45°	2574.2	2570.6	2592.3	2144.0	2089.8	2339.2	2704.4	2606.8	3225.0	3333.5
47.5°	1334.1	1381.1	1674.0	1659.5	1684.8	1659.5	2046.4	2021.1	2426.0	2599.6
50°	896.6	911.1	936.4	940.0	1326.9	1222.0	1388.4	1572.7	1699.3	1966.8
52.5°	694.2	705.0	639.9	600.2	813.5	903.9	911.1	1088.3	1185.9	1457.0
55°	386.9	433.9	466.4	470.0	448.3	668.9	665.3	806.3	882.2	1063.0
57.5°	50.6	61.5	94.0	303.7	300.1	372.4	466.4	585.7	629.1	777.3
60°	3.6	7.2	10.8	47.0	198.9	216.9	318.2	365.2	437.5	545.9
62.5°	0.0	0.0	3.6	10.8	39.8	126.5	166.3	191.6	256.7	357.9
65°	0.0	0.0	3.6	7.2	14.5	47.0	65.1	104.8	151.9	220.5
67.5°	0.0	0.0	3.6	7.2	10.8	18.1	28.9	47.0	79.5	133.8
70°	0.0	0.0	3.6	7.2	10.8	14.5	21.7	28.9	43.4	72.3
72.5°	0.0	0.0	3.6	3.6	7.2	18.1	18.1	21.7	28.9	39.8
75°	0.0	0.0	3.6	7.2	10.8	18.1	18.1	18.1	21.7	25.3
77.5°	0.0	0.0	3.6	7.2	10.8	18.1	14.5	18.1	18.1	18.1
80°	0.0	0.0	3.6	7.2	10.8	18.1	21.7	18.1	14.5	14.5
82.5°	0.0	0.0	3.6	10.8	10.8	25.3	25.3	25.3	10.8	10.8
85°	0.0	0.0	7.2	10.8	18.1	28.9	28.9	21.7	10.8	7.2
87.5°	0.0	0.0	3.6	7.2	7.2	14.5	21.7	18.1	7.2	3.6
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°
33627.8	0°	33627.8	33627.8	33627.8	33627.8	33627.8	33627.8	33627.8	33627.8	33627.8
33313.3	2.5°	33580.8	33490.4	33660.4	33682.1	33609.8	33519.4	33309.7	33291.6	32926.4
32575.7	5°	32944.5	32796.3	32904.7	32977.0	32951.7	32854.1	32767.3	32687.8	32358.8
31379.0	7.5°	31758.6	31704.4	31755.0	31809.2	31914.1	31809.2	31773.1	31689.9	31364.5
30200.3	10°	30442.6	30341.3	30533.0	30507.7	30478.7	30449.8	30298.0	30312.4	29929.2
28595.1	12.5°	28826.4	28656.5	28840.9	28862.6	28840.9	28739.7	28569.7	28642.1	28291.3
26425.7	15°	26653.5	26635.4	26769.2	26856.0	26917.5	26809.0	26751.1	26787.3	26577.6
23634.6	17.5°	23985.3	24220.3	24657.8	24806.0	24809.6	24921.7	24889.2	24845.8	24690.3
20543.3	20°	20847.0	21299.0	21971.4	22662.0	22860.9	22766.9	22723.5	22803.0	22571.6
17640.1	22.5°	17951.0	18337.9	19118.8	20127.5	20709.6	20767.5	20756.6	20687.9	20597.5
15315.3	25°	15492.5	15835.9	16584.3	17506.3	18623.5	18789.8	18797.0	18775.3	18695.8
13207.4	27.5°	13417.1	13832.9	14245.1	15069.4	16258.9	16945.9	16859.1	16833.8	16804.9
11428.6	30°	11537.1	12061.3	12448.2	12961.6	14028.2	14957.4	15047.7	15004.4	14935.7
9957.1	32.5°	10047.5	10358.4	10850.1	11197.2	11963.7	13015.8	13362.9	13330.4	13268.9
8630.2	35°	8753.1	8876.1	9262.9	9649.8	10159.6	11179.1	11692.6	11620.2	11609.4
7032.2	37.5°	7209.3	7621.5	7834.8	8225.3	8583.2	9375.0	10083.7	10051.1	10054.7
5654.7	40°	5821.0	6059.6	6482.6	6811.6	7140.6	7719.1	8507.3	8529.0	8521.8
4378.4	42.5°	4468.8	4700.2	5144.9	5502.8	5795.7	6153.6	6905.6	6930.9	6963.5
3409.4	45°	3489.0	3637.2	3962.6	4335.0	4645.9	4862.9	5434.1	5596.8	5600.4
2642.9	47.5°	2708.0	2877.9	3109.3	3467.3	3771.0	3926.4	4342.2	4562.8	4551.9
2028.3	50°	2125.9	2281.4	2469.4	2751.4	3080.4	3203.3	3510.7	3727.6	3716.7
1529.4	52.5°	1627.0	1825.8	1992.1	2209.1	2530.9	2635.7	2856.3	3105.7	3069.6
1120.8	55°	1232.9	1435.4	1590.8	1771.6	2064.5	2198.2	2350.1	2548.9	2556.2
867.7	57.5°	929.2	1138.9	1279.9	1464.3	1684.8	1833.1	1948.8	2162.1	2158.5
592.9	60°	665.3	846.0	1016.0	1207.6	1377.5	1547.4	1627.0	1829.4	1836.7
419.4	62.5°	480.9	650.8	813.5	979.8	1131.7	1298.0	1370.3	1529.4	1551.1
274.8	65°	336.2	455.6	643.6	770.1	940.0	1063.0	1157.0	1294.4	1319.7
162.7	67.5°	216.9	329.0	509.8	621.9	777.3	882.2	979.8	1088.3	1120.8
104.8	70°	130.2	249.5	379.6	498.9	639.9	733.9	828.0	922.0	940.0
50.6	72.5°	83.2	173.5	274.8	404.9	513.4	614.6	697.8	766.5	712.3
32.5	75°	47.0	119.3	216.9	318.2	415.8	513.4	582.1	618.3	495.3
21.7	77.5°	28.9	86.8	177.2	256.7	321.8	412.2	455.6	477.2	354.3
14.5	80°	18.1	65.1	148.2	209.7	209.7	303.7	354.3	372.4	256.7
10.8	82.5°	14.5	47.0	115.7	159.1	141.0	227.8	278.4	282.0	180.8
7.2	85°	10.8	36.2	72.3	104.8	97.6	159.1	162.7	180.8	119.3
7.2	87.5°	7.2	21.7	43.4	61.5	54.2	75.9	86.8	97.6	65.1
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





180°
33627.8
32640.8
32094.9
31295.8
29799.0
28190.1
26324.5
24458.9
22405.3
20424.0
18428.2
16635.0
14848.9
13106.2
11490.1
9939.0
8395.2
6855.0
5506.4
4512.2
3716.7
3073.2
2556.2
2151.2
1818.6
1543.8
1312.4
1117.2
925.6
661.6
470.0
332.6
238.6
166.3
108.5
57.8
0.0

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