

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: P637025

Luminaire Tested: **IFLD-L-SA8C-722-U-33-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P637025
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8C-722-U-33-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 3 distribution lens and Visor
Light Source: (128) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 37113.1 lumens
Efficiency: N/A
Efficacy: 88.3 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

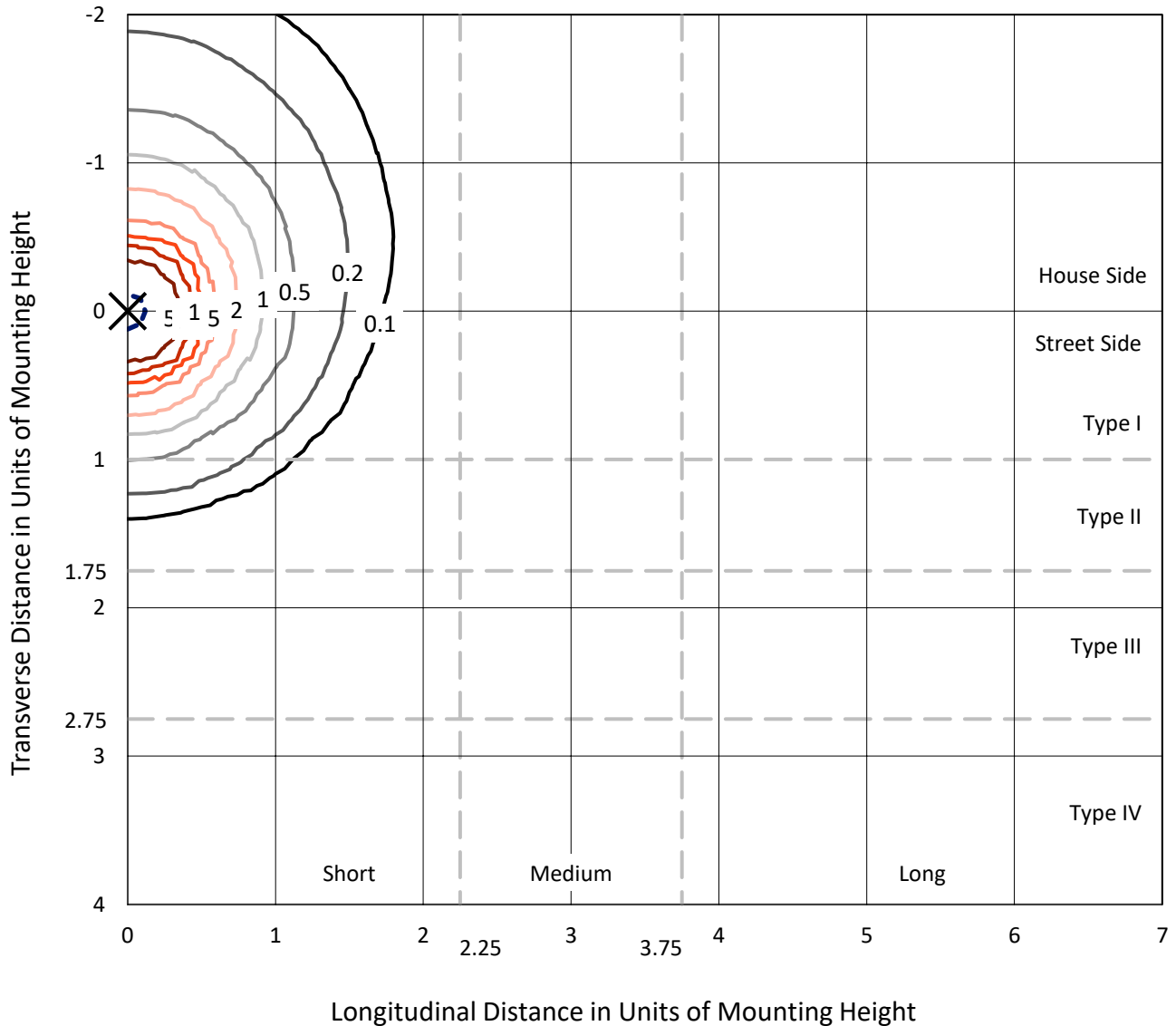
Input Watts (W): 420.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

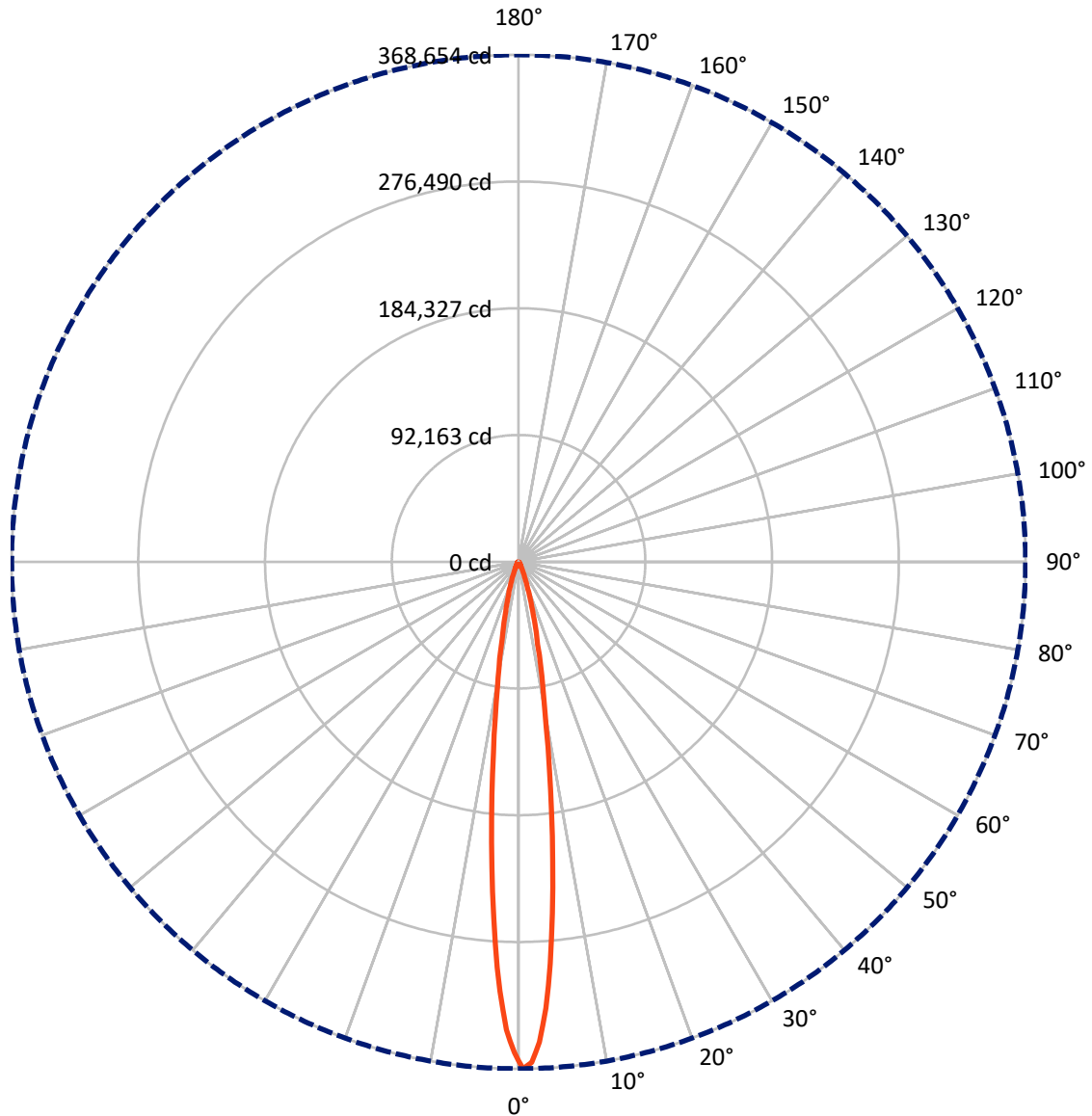
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 921.6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral - - - Horizontal Cone Through 0-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	19008.7	0.0	19008.7
	% Fixture	51.2	0.0	51.2
Street Side	Lumens	18104.5	0.0	18104.5
	% Fixture	48.8	0.0	48.8
Total	Lumens	37113.1	0.0	37113.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18735.8	50.5
10°-20°	11994.6	32.3
20°-30°	3605.3	9.7
30°-40°	1173.9	3.2
40°-50°	683.0	1.8
50°-60°	453.7	1.2
60°-70°	273.1	0.7
70°-80°	140.4	0.4
80°-90°	53.3	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°	37113.1	100.0
0°-180°	37113.1	100.0

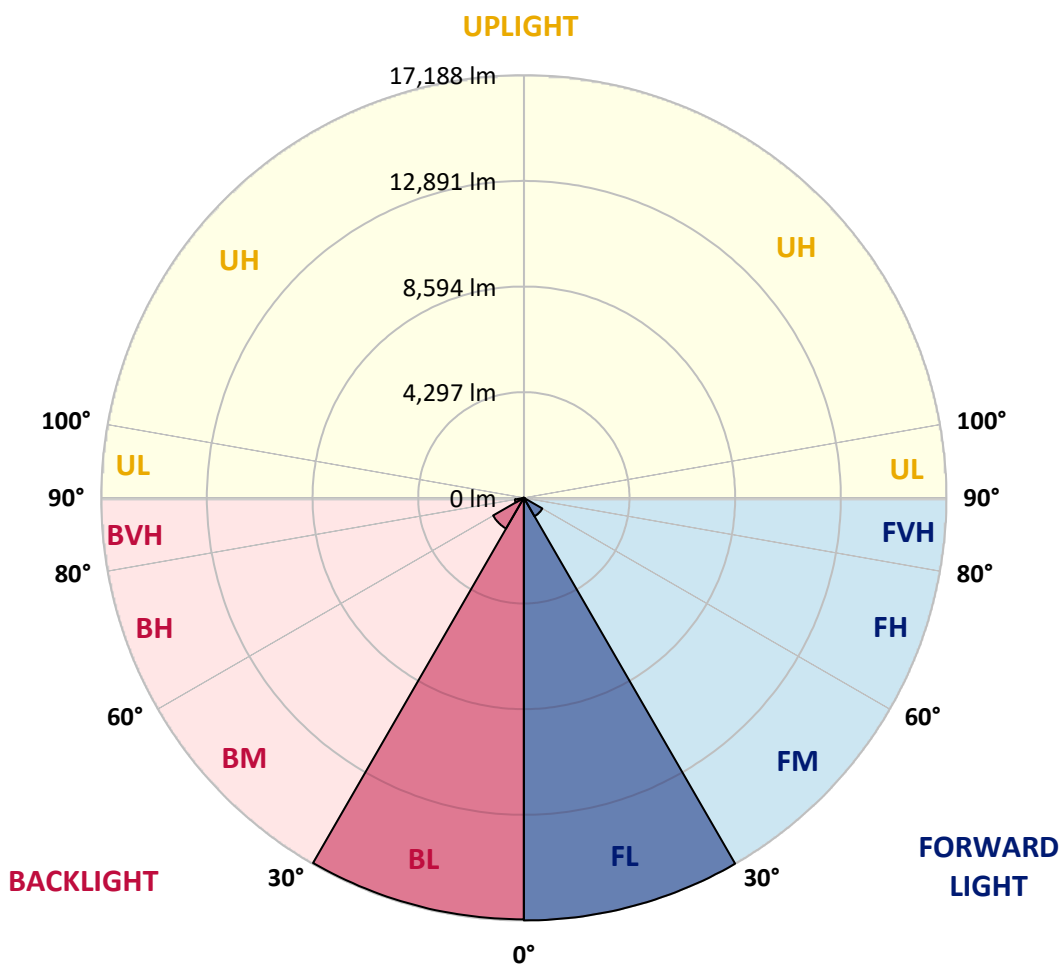


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	17188.3	46.3			
FM (30°-60°)	867.4	2.3			
FH (60°-80°)	40.8	0.1			G0/660
FVH (80°-90°)	8.0	0.0			G0/10
BL (0°-30°)	17147.5	46.2	B5		
BM (30°-60°)	1443.2	3.9	B2/2500		
BH (60°-80°)	372.6	1.0	B1/500		G0/660
BVH (80°-90°)	45.3	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 V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	368653.9	368653.9	368653.9	368653.9	368653.9	368653.9	368653.9	368653.9	368653.9	368653.9
1°	364239.8	363128.2	360258.2	362299.5	364094.3	363572.8	363536.4	363342.4	363071.6	365197.8
2°	349679.7	348960.2	344715.9	346466.2	349016.8	347157.4	348321.6	347298.9	347319.1	349857.6
3°	325135.4	325527.5	318756.8	321938.0	325483.1	320976.0	322374.6	325002.0	322249.3	321420.6
4°	293234.3	289830.7	286132.1	289365.9	290283.5	287660.1	290239.0	293456.6	289632.7	289802.4
5°	256813.9	254299.7	249922.0	251918.8	249643.0	250471.7	254336.1	255661.9	252994.0	249635.0
6°	219366.9	217580.2	212107.1	214985.1	214176.7	213707.8	218586.7	214544.5	215999.7	213966.5
7°	182469.5	179130.7	176442.6	179199.4	179377.3	177966.5	184300.7	183565.0	180917.3	180302.9
8°	151178.8	147848.0	145572.2	147625.7	148967.7	146752.6	149731.7	151688.1	149618.5	149804.4
9°	121933.4	121347.2	118182.2	120866.2	122325.5	119952.7	123251.1	123958.5	122022.3	122964.1
10°	100117.5	99434.4	96908.0	97995.4	100412.6	97583.1	100748.1	100978.5	99434.4	99875.0
12.5°	61870.1	61595.2	61526.5	61684.2	61651.8	62153.1	62961.5	62039.9	61918.6	60394.7
15°	39989.6	40397.9	39977.5	40785.9	40903.2	41376.1	40882.9	40139.2	38720.4	38017.0
17.5°	24956.6	25478.1	26197.6	27382.0	28566.3	28703.8	28048.9	27175.8	26488.6	25736.8
20°	14357.9	14612.6	14503.5	15922.3	18986.3	19819.0	18974.1	18056.6	17227.9	16468.0
22.5°	8921.2	8828.2	8998.0	9474.9	10473.4	13048.3	12357.0	11439.5	10837.2	10210.6
25°	5469.1	5570.2	5505.5	5768.2	6216.9	7308.3	7466.0	7069.8	6762.6	6439.2
27.5°	3520.8	3520.8	3549.1	3694.6	4001.8	3965.4	4806.2	4499.0	4333.3	4175.6
30°	2445.5	2453.6	2453.6	2538.5	2607.2	2486.0	2704.2	3100.4	3023.6	2902.3
32.5°	1815.0	1839.2	1859.4	1903.9	1847.3	1717.9	1770.5	2231.3	2186.8	2142.4
35°	1382.4	1402.6	1451.2	1475.4	1394.6	1313.7	1265.2	1641.1	1661.3	1649.2
37.5°	1006.5	1018.6	1107.6	1200.5	1107.6	1034.8	1006.5	1261.2	1358.2	1346.1
40°	772.1	776.1	792.3	897.4	897.4	840.8	848.9	941.8	1111.6	1111.6
42.5°	662.9	662.9	679.1	662.9	667.0	727.6	747.8	759.9	941.8	941.8
45°	574.0	574.0	582.1	541.7	501.2	626.5	642.7	646.8	792.3	812.5
47.5°	481.0	481.0	497.2	444.6	424.4	497.2	541.7	553.8	683.1	699.3
50°	355.7	359.8	408.3	363.8	375.9	384.0	468.9	477.0	578.0	614.4
52.5°	238.5	238.5	246.6	283.0	327.4	315.3	380.0	408.3	460.8	509.3
55°	194.0	194.0	190.0	181.9	242.5	262.7	278.9	339.5	375.9	436.6
57.5°	133.4	141.5	129.4	149.6	157.6	198.1	210.2	266.8	287.0	367.8
60°	16.2	20.2	28.3	109.1	105.1	133.4	157.6	210.2	234.4	283.0
62.5°	4.0	4.0	8.1	20.2	72.8	88.9	125.3	145.5	169.8	218.3
65°	0.0	0.0	4.0	8.1	16.2	48.5	64.7	84.9	121.3	153.6
67.5°	0.0	0.0	4.0	8.1	8.1	20.2	32.3	52.5	64.7	113.2
70°	0.0	0.0	4.0	8.1	8.1	16.2	20.2	24.3	44.5	60.6
72.5°	0.0	0.0	4.0	8.1	12.1	16.2	20.2	20.2	20.2	40.4
75°	0.0	0.0	4.0	8.1	12.1	16.2	20.2	20.2	16.2	16.2
77.5°	0.0	0.0	4.0	8.1	16.2	20.2	24.3	20.2	12.1	12.1
80°	0.0	0.0	4.0	12.1	20.2	28.3	32.3	24.3	12.1	8.1
82.5°	0.0	0.0	8.1	16.2	24.3	32.3	44.5	36.4	16.2	8.1
85°	0.0	0.0	4.0	12.1	24.3	32.3	64.7	44.5	20.2	4.0
87.5°	0.0	0.0	0.0	4.0	4.0	8.1	24.3	16.2	8.1	4.0
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°
368653.9	0°	368653.9	368653.9	368653.9	368653.9	368653.9	368653.9	368653.9	368653.9
362744.2	1°	365278.6	365533.3	364700.6	365990.1	365537.3	362885.6	362008.5	360969.6
348366.0	2°	347298.9	348596.4	348661.1	350092.0	350071.8	346979.5	346021.5	347788.0
323102.2	3°	322124.0	323635.8	322273.5	324816.1	324052.1	320300.9	319326.8	321331.7
291144.4	4°	290275.4	289988.4	289519.5	288072.4	289855.0	287296.3	285368.1	288088.5
254089.5	5°	253580.2	252941.5	252028.0	251599.5	252925.3	251288.2	247322.8	251296.3
217644.9	6°	217911.7	215163.0	215029.6	214791.1	214924.5	210340.6	210615.5	213574.4
178188.8	7°	180072.5	180577.8	179547.0	181200.3	179939.1	176834.7	175638.2	178754.8
150620.9	8°	149570.0	148931.3	148143.1	150612.9	148426.0	146388.8	144994.2	147455.9
123117.7	9°	122887.3	121783.8	120983.4	120858.1	121197.7	117373.7	118149.9	120013.3
100117.5	10°	100153.9	98343.0	98783.6	98900.8	98528.9	96022.8	96047.0	96689.7
61405.3	12.5°	61187.0	60297.7	60520.0	60641.3	61397.2	60516.0	59271.0	58373.6
38716.3	15°	38457.6	37818.9	39124.6	40001.7	39823.9	39039.7	38453.6	37641.1
25736.8	17.5°	25498.3	26335.0	26339.1	27139.4	27220.3	26436.1	25983.3	25251.7
16738.8	20°	16678.2	17025.8	17749.4	18315.3	18642.7	18044.4	17502.8	17001.5
10437.0	22.5°	10437.0	11043.3	11496.1	12231.7	12530.9	12094.3	11710.3	11302.0
6516.0	25°	6406.9	6839.4	7215.4	7854.0	8262.3	8052.1	7700.4	7413.4
4207.9	27.5°	4272.6	4454.5	4640.5	5081.1	5505.5	5388.3	5246.8	5073.0
2967.0	30°	3011.4	3027.6	3225.7	3472.3	3755.2	3828.0	3763.3	3674.4
2178.8	32.5°	2219.2	2283.9	2376.8	2530.4	2720.4	2894.2	2861.9	2821.5
1665.4	35°	1713.9	1810.9	1887.7	2004.9	2106.0	2271.7	2300.0	2287.9
1370.3	37.5°	1398.6	1483.5	1560.3	1629.0	1713.9	1827.1	1916.0	1920.1
1131.8	40°	1160.1	1236.9	1338.0	1390.5	1451.2	1536.0	1645.2	1653.3
958.0	42.5°	978.2	1051.0	1152.0	1216.7	1261.2	1342.0	1451.2	1467.3
820.6	45°	840.8	885.2	990.3	1067.1	1111.6	1164.2	1281.4	1297.6
707.4	47.5°	731.6	776.1	840.8	949.9	990.3	1038.8	1131.8	1160.1
626.5	50°	642.7	687.2	743.8	840.8	901.4	941.8	1018.6	1059.1
545.7	52.5°	570.0	614.4	675.0	751.9	820.6	856.9	929.7	982.3
444.6	55°	477.0	553.8	598.2	667.0	759.9	792.3	848.9	917.6
388.1	57.5°	416.3	481.0	545.7	602.3	695.3	735.7	792.3	856.9
307.2	60°	351.7	412.3	489.1	537.6	626.5	679.1	739.7	800.4
234.4	62.5°	278.9	359.8	412.3	481.0	565.9	634.6	683.1	743.8
181.9	65°	206.2	295.1	355.7	428.5	509.3	582.1	622.5	687.2
129.4	67.5°	149.6	230.4	303.2	371.9	448.7	521.4	561.9	618.5
80.8	70°	117.2	169.8	250.6	311.3	392.1	452.7	497.2	533.6
52.5	72.5°	68.7	129.4	202.1	270.8	343.6	384.0	416.3	448.7
24.3	75°	44.5	101.1	165.7	226.4	278.9	315.3	343.6	371.9
12.1	77.5°	28.3	72.8	133.4	190.0	214.2	258.7	283.0	299.1
8.1	80°	16.2	56.6	117.2	153.6	173.8	202.1	226.4	246.6
8.1	82.5°	12.1	48.5	97.0	129.4	129.4	161.7	173.8	173.8
4.0	85°	8.1	40.4	76.8	121.3	97.0	121.3	113.2	113.2
4.0	87.5°	8.1	28.3	36.4	52.5	44.5	52.5	52.5	60.6
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



180°
368653.9
356854.7
340305.8
312426.7
278241.7
240827.0
204996.8
170278.2
140426.5
114192.5
92316.1
57827.9
37224.7
25069.8
16827.7
11083.7
7247.7
4971.9
3613.7
2789.1
2247.5
1891.8
1641.1
1455.2
1293.5
1164.2
1063.1
982.3
921.6
861.0
816.5
772.1
699.3
622.5
545.7
456.8
371.9
291.0
222.3
161.7
109.1
60.6
0.0

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