

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: P637242

Luminaire Tested: **IFLD-S-SA6C-830-U-33-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P637242
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6C-830-U-33-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 3 distribution lens and Visor
Light Source: (96) 3000K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32834.9 lumens
Efficiency: N/A
Efficacy: 102.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

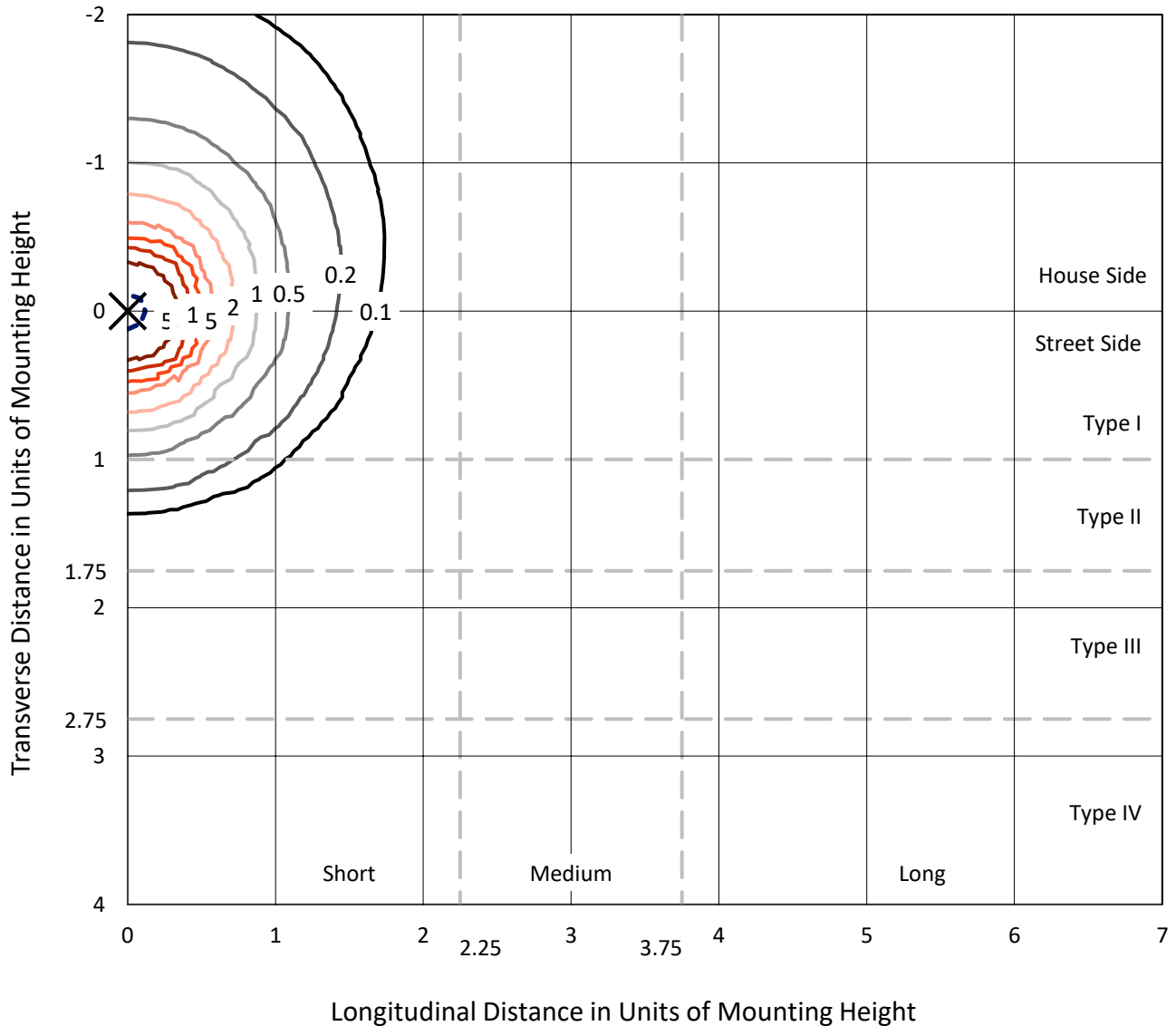
Input Watts (W): 321.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

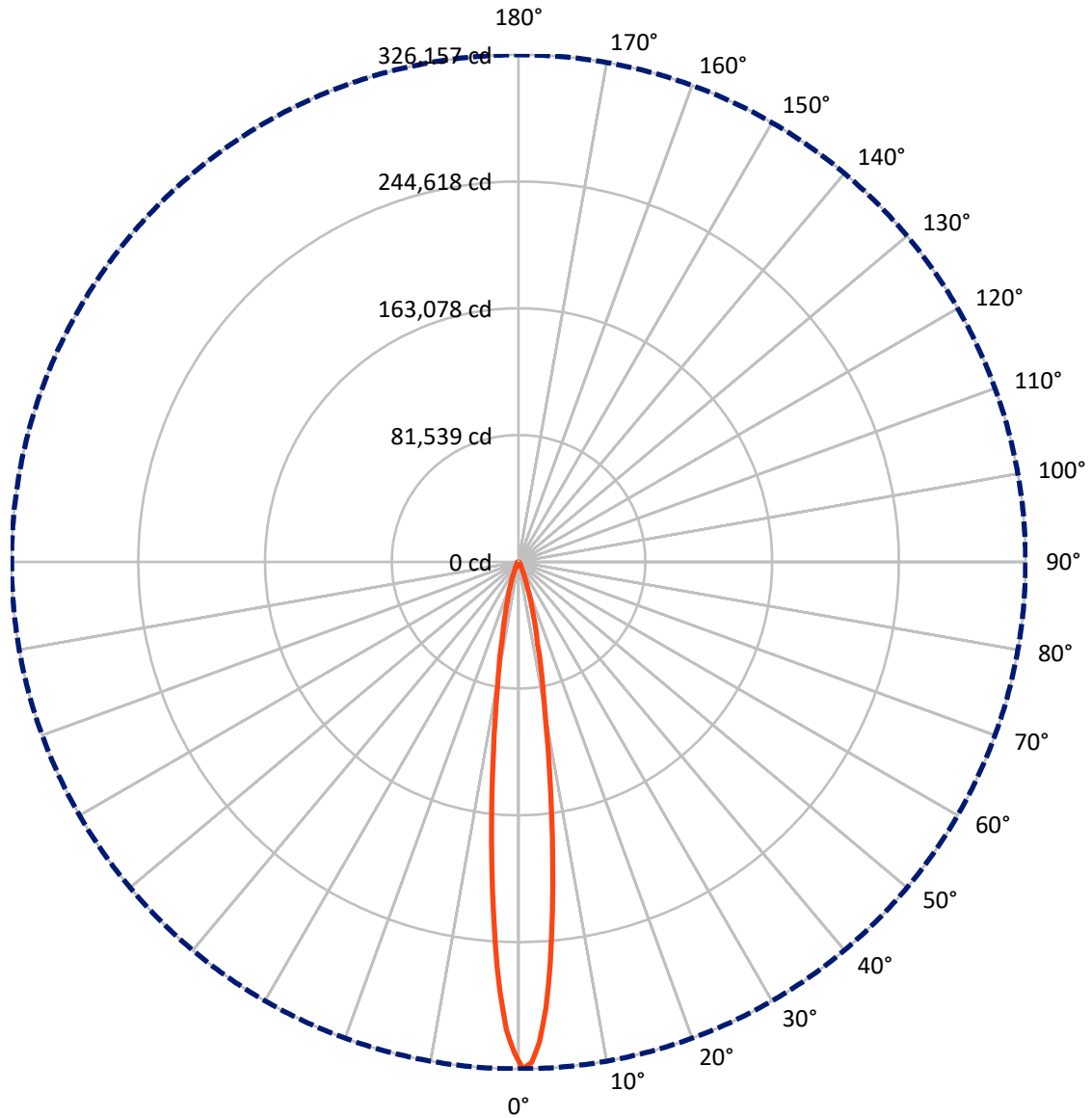
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 815.4 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	16817.4	0.0	16817.4
	% Fixture	51.2	0.0	51.2
Street Side	Lumens	16017.5	0.0	16017.5
	% Fixture	48.8	0.0	48.8
Total	Lumens	32834.9	0.0	32834.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16576.0	50.5
10°-20°	10611.9	32.3
20°-30°	3189.7	9.7
30°-40°	1038.6	3.2
40°-50°	604.3	1.8
50°-60°	401.4	1.2
60°-70°	241.6	0.7
70°-80°	124.2	0.4
80°-90°	47.2	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°	32834.9	100.0
0°-180°	32834.9	100.0

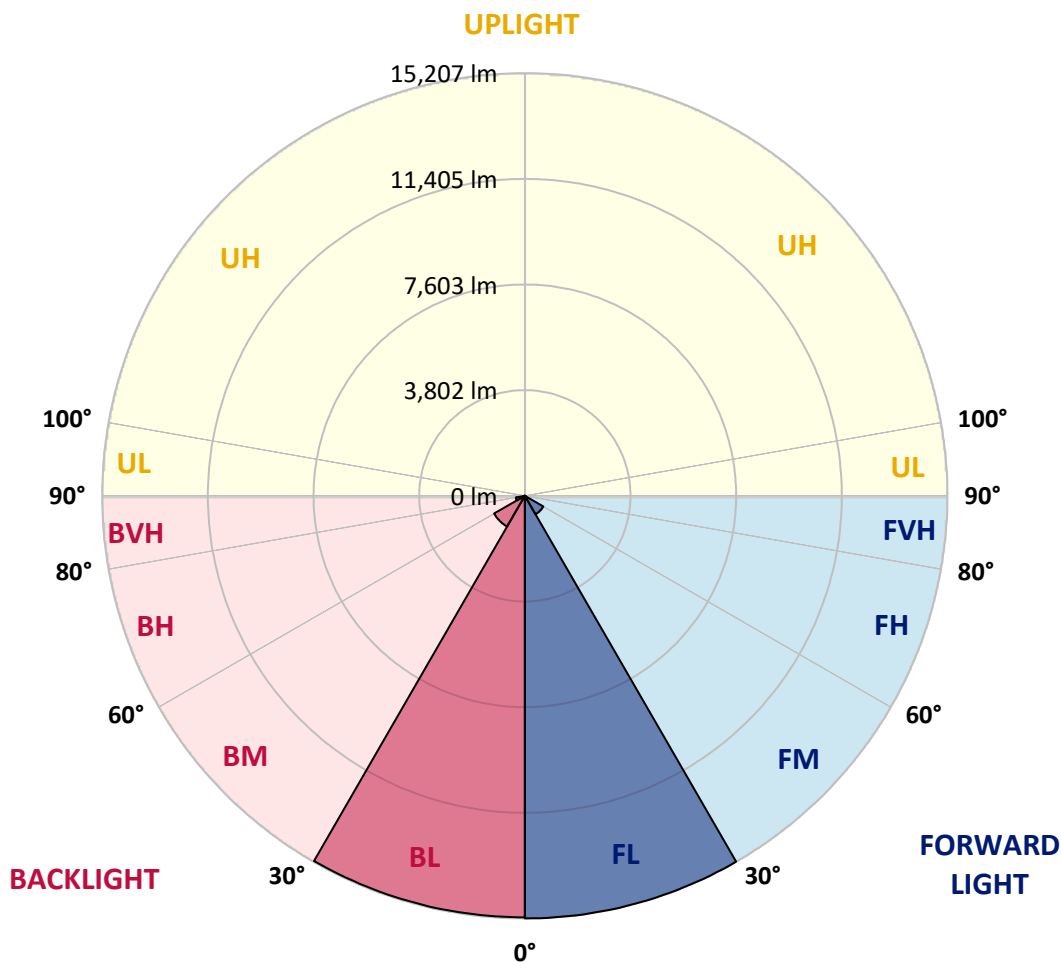


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	15206.9	46.3			
FM (30°-60°)	767.4	2.3			
FH (60°-80°)	36.1	0.1			G0/660
FVH (80°-90°)	7.1	0.0			G0/10
BL (0°-30°)	15170.8	46.2	B5		
BM (30°-60°)	1276.9	3.9	B2/2500		
BH (60°-80°)	329.7	1.0	B1/500		G0/660
BVH (80°-90°)	40.1	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 V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	326156.8	326156.8	326156.8	326156.8	326156.8	326156.8	326156.8	326156.8	326156.8	326156.8
1°	322251.6	321268.1	318729.0	320535.0	322122.8	321661.5	321629.3	321457.6	321218.0	323099.1
2°	309369.9	308733.4	304978.3	306526.8	308783.4	307138.4	308168.3	307263.5	307281.4	309527.3
3°	287655.0	288001.9	282011.7	284826.2	287962.5	283975.0	285212.4	287537.0	285101.6	284368.4
4°	259431.3	256420.1	253147.8	256008.8	256820.6	254499.7	256781.3	259628.0	256244.9	256395.1
5°	227209.4	224984.9	221111.9	222878.5	220865.1	221598.2	225017.1	226190.1	223829.8	220858.0
6°	194079.1	192498.4	187656.1	190202.4	189487.2	189072.3	193388.8	189812.6	191100.0	189301.2
7°	161435.1	158481.1	156102.9	158541.9	158699.3	157451.2	163055.2	162404.3	160061.8	159518.3
8°	133751.4	130804.6	128791.2	130607.9	131795.2	129835.5	132471.1	134202.0	132371.0	132535.5
9°	107877.3	107358.8	104558.6	106933.2	108224.2	106125.0	109043.2	109669.0	107956.0	108789.3
10°	88576.4	87972.0	85736.8	86698.8	88837.4	86334.0	89134.2	89338.1	87972.0	88361.8
12.5°	54738.0	54494.8	54434.0	54573.4	54544.8	54988.3	55703.5	54888.2	54780.9	53432.6
15°	35379.8	35741.0	35369.0	36084.3	36188.0	36606.4	36170.1	35512.1	34256.8	33634.6
17.5°	22079.7	22541.1	23177.6	24225.5	25273.3	25394.9	24815.5	24043.1	23435.1	22769.9
20°	12702.8	12928.1	12831.6	14086.8	16797.6	17534.3	16786.9	15975.1	15241.9	14569.6
22.5°	7892.8	7810.5	7960.7	8382.7	9266.0	11544.1	10932.6	10120.8	9587.9	9033.6
25°	4838.7	4928.1	4870.8	5103.3	5500.3	6465.8	6605.3	6254.8	5983.1	5697.0
27.5°	3114.9	3114.9	3139.9	3268.7	3540.5	3508.3	4252.2	3980.4	3833.7	3694.3
30°	2163.6	2170.8	2170.8	2245.9	2306.7	2199.4	2392.5	2743.0	2675.0	2567.7
32.5°	1605.7	1627.2	1645.1	1684.4	1634.3	1519.9	1566.4	1974.1	1934.7	1895.4
35°	1223.1	1241.0	1283.9	1305.3	1233.8	1162.3	1119.4	1452.0	1469.8	1459.1
37.5°	890.5	901.2	979.9	1062.1	979.9	915.5	890.5	1115.8	1201.6	1190.9
40°	683.1	686.6	700.9	793.9	793.9	743.9	751.0	833.3	983.5	983.5
42.5°	586.5	586.5	600.8	586.5	590.1	643.7	661.6	672.3	833.3	833.3
45°	507.8	507.8	515.0	479.2	443.5	554.3	568.6	572.2	700.9	718.8
47.5°	425.6	425.6	439.9	393.4	375.5	439.9	479.2	489.9	604.4	618.7
50°	314.7	318.3	361.2	321.9	332.6	339.7	414.8	422.0	511.4	543.6
52.5°	211.0	211.0	218.2	250.3	289.7	278.9	336.2	361.2	407.7	450.6
55°	171.7	171.7	168.1	160.9	214.6	232.5	246.8	300.4	332.6	386.2
57.5°	118.0	125.2	114.4	132.3	139.5	175.2	186.0	236.0	253.9	325.4
60°	14.3	17.9	25.0	96.6	93.0	118.0	139.5	186.0	207.4	250.3
62.5°	3.6	3.6	7.2	17.9	64.4	78.7	110.9	128.7	150.2	193.1
65°	0.0	0.0	3.6	7.2	14.3	42.9	57.2	75.1	107.3	135.9
67.5°	0.0	0.0	3.6	7.2	7.2	17.9	28.6	46.5	57.2	100.1
70°	0.0	0.0	3.6	7.2	7.2	14.3	17.9	21.5	39.3	53.6
72.5°	0.0	0.0	3.6	7.2	10.7	14.3	17.9	17.9	17.9	35.8
75°	0.0	0.0	3.6	7.2	10.7	14.3	17.9	17.9	14.3	14.3
77.5°	0.0	0.0	3.6	7.2	14.3	17.9	21.5	17.9	10.7	10.7
80°	0.0	0.0	3.6	10.7	17.9	25.0	28.6	21.5	10.7	7.2
82.5°	0.0	0.0	7.2	14.3	21.5	28.6	39.3	32.2	14.3	7.2
85°	0.0	0.0	3.6	10.7	21.5	28.6	57.2	39.3	17.9	3.6
87.5°	0.0	0.0	0.0	3.6	3.6	7.2	21.5	14.3	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°
326156.8	0°	326156.8	326156.8	326156.8	326156.8	326156.8	326156.8	326156.8	326156.8
320928.3	1°	323170.6	323396.0	322659.2	323800.1	323399.5	321053.5	320277.5	319358.4
308207.7	2°	307263.5	308411.5	308468.7	309734.7	309716.8	306981.0	306133.4	307696.2
285856.1	3°	284990.7	286328.2	285123.0	287372.5	286696.6	283377.8	282515.9	284289.7
257582.4	4°	256813.5	256559.6	256144.7	254864.4	256441.6	254177.8	252471.9	254878.7
224799.0	5°	224348.4	223783.3	222975.1	222596.0	223769.0	222320.6	218812.3	222327.8
192555.6	6°	192791.6	190359.8	190241.7	190030.7	190148.8	186093.3	186336.5	188954.3
157647.9	7°	159314.4	159761.4	158849.5	160312.2	159196.4	156449.8	155391.3	158148.6
133257.9	8°	132328.1	131763.0	131065.7	133250.8	131316.0	129513.6	128279.8	130457.7
108925.2	9°	108721.3	107745.0	107036.9	106926.0	107226.5	103843.3	104530.0	106178.6
88576.4	10°	88608.5	87006.4	87396.2	87499.9	87170.9	84953.6	84975.1	85543.7
54326.7	12.5°	54133.6	53346.8	53543.5	53650.8	54319.5	53539.9	52438.4	51644.5
34253.2	15°	34024.4	33459.3	34614.4	35390.5	35233.1	34539.3	34020.8	33302.0
22769.9	17.5°	22558.9	23299.2	23302.8	24010.9	24082.4	23388.6	22988.1	22340.8
14809.2	20°	14755.6	15063.1	15703.3	16204.0	16493.6	15964.3	15485.1	15041.7
9233.9	22.5°	9233.9	9770.3	10170.8	10821.7	11086.3	10700.1	10360.4	9999.2
5764.9	25°	5668.3	6051.0	6383.6	6948.6	7309.8	7123.9	6812.7	6558.8
3722.9	27.5°	3780.1	3941.0	4105.5	4495.3	4870.8	4767.1	4642.0	4488.2
2625.0	30°	2664.3	2678.6	2853.8	3072.0	3322.3	3386.7	3329.5	3250.8
1927.6	32.5°	1963.4	2020.6	2102.8	2238.7	2406.8	2560.6	2532.0	2496.2
1473.4	35°	1516.3	1602.2	1670.1	1773.8	1863.2	2009.8	2034.9	2024.2
1212.3	37.5°	1237.4	1312.5	1380.4	1441.2	1516.3	1616.5	1695.1	1698.7
1001.3	40°	1026.4	1094.3	1183.7	1230.2	1283.9	1359.0	1455.5	1462.7
847.6	42.5°	865.5	929.8	1019.2	1076.4	1115.8	1187.3	1283.9	1298.2
726.0	45°	743.9	783.2	876.2	944.1	983.5	1030.0	1133.7	1148.0
625.8	47.5°	647.3	686.6	743.9	840.4	876.2	919.1	1001.3	1026.4
554.3	50°	568.6	608.0	658.0	743.9	797.5	833.3	901.2	937.0
482.8	52.5°	504.3	543.6	597.2	665.2	726.0	758.2	822.5	869.0
393.4	55°	422.0	489.9	529.3	590.1	672.3	700.9	751.0	811.8
343.3	57.5°	368.4	425.6	482.8	532.9	615.1	650.9	700.9	758.2
271.8	60°	311.1	364.8	432.7	475.6	554.3	600.8	654.5	708.1
207.4	62.5°	246.8	318.3	364.8	425.6	500.7	561.5	604.4	658.0
160.9	65°	182.4	261.1	314.7	379.1	450.6	515.0	550.7	608.0
114.4	67.5°	132.3	203.8	268.2	329.0	397.0	461.3	497.1	547.2
71.5	70°	103.7	150.2	221.7	275.4	346.9	400.5	439.9	472.1
46.5	72.5°	60.8	114.4	178.8	239.6	304.0	339.7	368.4	397.0
21.5	75°	39.3	89.4	146.6	200.3	246.8	278.9	304.0	329.0
10.7	77.5°	25.0	64.4	118.0	168.1	189.5	228.9	250.3	264.6
7.2	80°	14.3	50.1	103.7	135.9	153.8	178.8	200.3	218.2
7.2	82.5°	10.7	42.9	85.8	114.4	114.4	143.0	153.8	153.8
3.6	85°	7.2	35.8	67.9	107.3	85.8	107.3	100.1	100.1
3.6	87.5°	7.2	25.0	32.2	46.5	39.3	46.5	46.5	53.6
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



180°
326156.8
315717.8
301076.6
276411.3
246167.0
213065.3
181365.5
150649.2
124238.6
101028.8
81674.2
51161.7
32933.6
22179.9
14887.9
9806.1
6412.2
4398.8
3197.2
2467.6
1988.4
1673.7
1452.0
1287.4
1144.4
1030.0
940.6
869.0
815.4
761.7
722.4
683.1
618.7
550.7
482.8
404.1
329.0
257.5
196.7
143.0
96.6
53.6
0.0

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