

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: P637932

Luminaire Tested: **IFLD-S-SA3B-750-U-66-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P637932
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3B-750-U-66-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 6 distribution lens and Visor
Light Source: (48) 5000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14676.6 lumens
Efficiency: N/A
Efficacy: 119.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G1

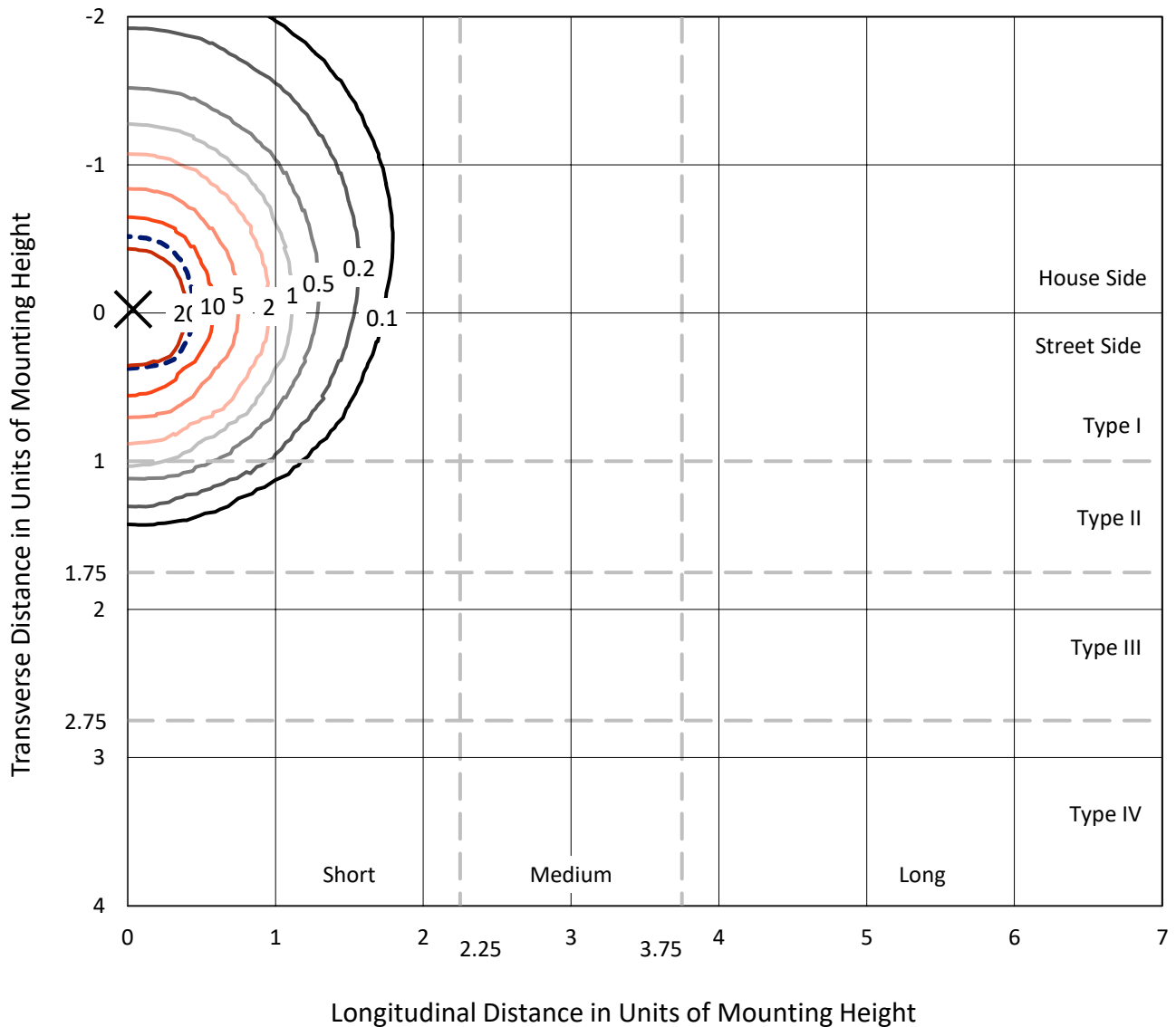
Input Watts (W): 122.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

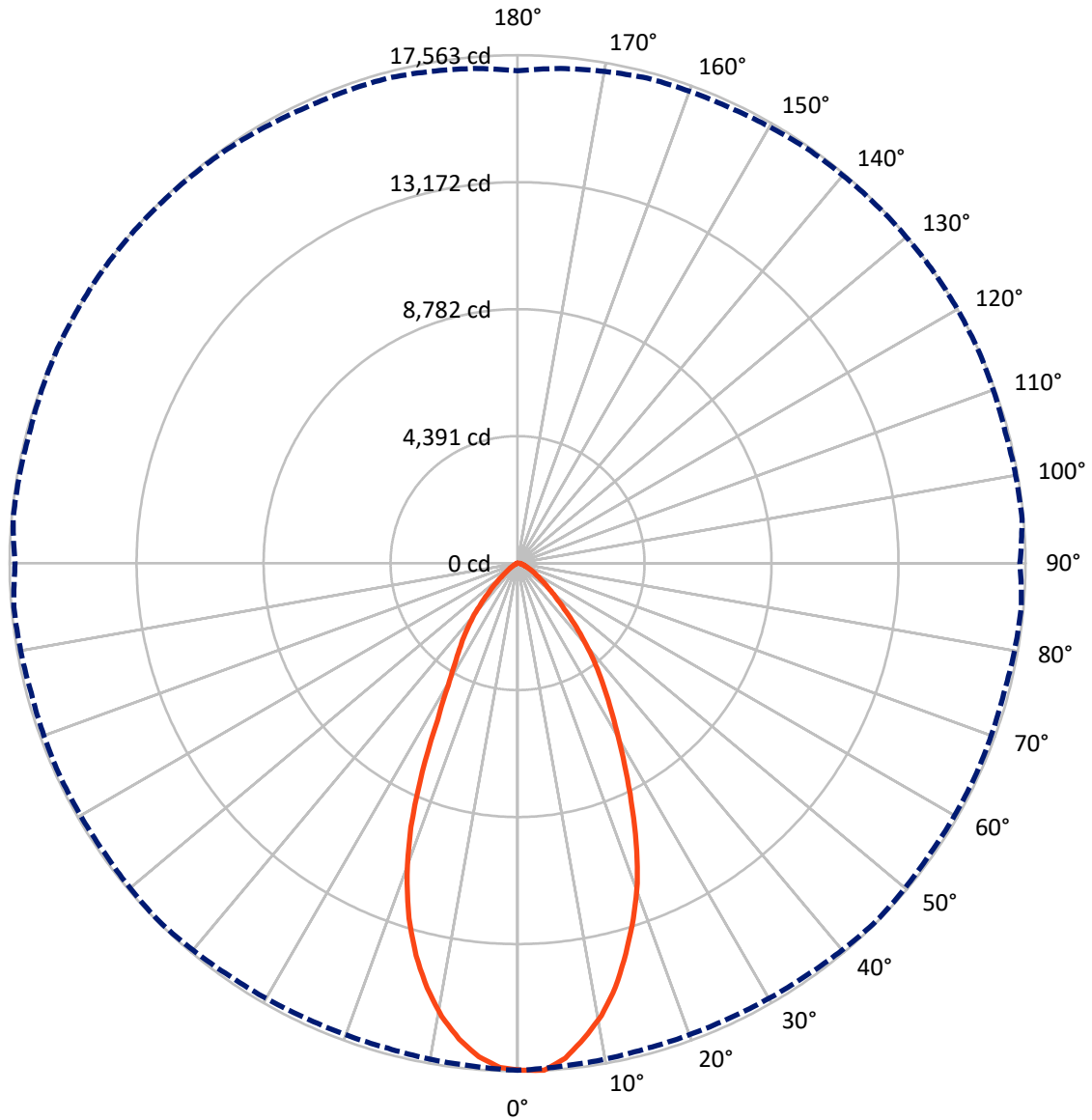
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 43.8 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
House Side	Lumens	8328.1	0.0	8328.1
	% Fixture	56.7	0.0	56.7
Street Side	Lumens	6348.5	0.0	6348.5
	% Fixture	43.3	0.0	43.3
Total	Lumens	14676.6	0.0	14676.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1592.2	10.8
10°-20°	3795.5	25.9
20°-30°	3865.7	26.3
30°-40°	2882.6	19.6
40°-50°	1506.0	10.3
50°-60°	633.4	4.3
60°-70°	258.7	1.8
70°-80°	108.9	0.7
80°-90°	33.6	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°	14676.6	100.0
0°-180°	14676.6	100.0



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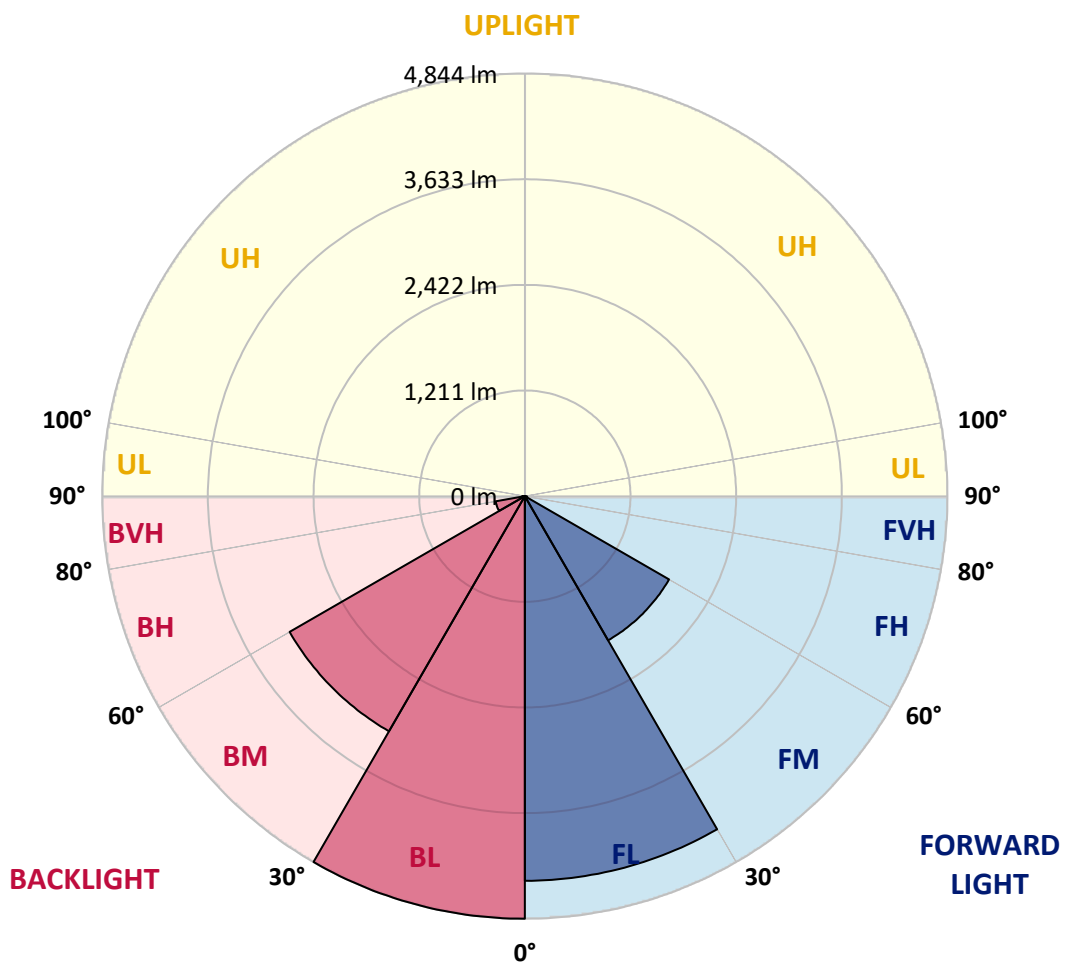
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4409.0	30.0			
FM (30°-60°)	1908.7	13.0			
FH (60°-80°)	27.6	0.2			G0/660
FVH (80°-90°)	3.1	0.0			G0/10
BL (0°-30°)	4844.4	33.0	B4/5000		
BM (30°-60°)	3113.3	21.2	B3/5000		
BH (60°-80°)	339.9	2.3	B1/500		G1/500
BVH (80°-90°)	30.4	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G1

Type I Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	17534.9	17534.9	17534.9	17534.9	17534.9	17534.9	17534.9	17534.9	17534.9	17534.9
2.5°	17536.8	17465.2	17363.4	17353.9	17406.7	17521.7	17448.2	17452.0	17406.7	17484.0
5°	17261.6	17193.7	17123.9	17031.6	17108.9	17157.9	17120.2	17078.7	17020.2	17095.7
7.5°	16741.2	16703.5	16599.8	16558.4	16605.5	16660.2	16579.1	16567.8	16486.7	16584.8
10°	15945.6	15930.6	15828.8	15804.2	15845.7	15928.7	15892.9	15885.3	15834.4	15825.0
12.5°	15119.9	15061.5	14935.1	14927.6	14989.8	15114.2	15018.1	14925.7	14954.0	14978.5
15°	12993.3	12931.1	13244.0	13736.1	13994.4	13985.0	14013.2	13902.0	13868.1	13879.4
17.5°	10329.4	10223.8	10337.0	11098.6	12325.9	13038.6	12842.5	12603.1	12474.9	12390.0
20°	8915.5	8921.1	8900.4	9096.4	9861.9	11487.0	11439.8	10977.9	10810.2	10740.4
22.5°	8055.8	8023.7	7978.5	8040.7	8246.2	9200.1	9839.2	9415.1	9356.6	9279.3
25°	7213.1	7213.1	7158.4	7220.6	7279.0	7292.2	7933.2	8106.7	7993.6	7993.6
27.5°	6483.5	6445.8	6421.2	6449.5	6372.2	6000.8	6081.9	6969.9	6892.6	6845.4
30°	5759.5	5748.2	5706.7	5744.4	5457.9	5039.3	4869.7	5882.1	5963.1	5946.2
32.5°	4754.7	4799.9	4984.7	5043.1	4552.9	4215.5	4053.3	4882.9	5207.1	5193.9
35°	3231.4	3269.1	3480.2	4177.8	3774.3	3533.0	3485.9	3883.7	4417.2	4468.1
37.5°	2573.4	2567.7	2628.1	2752.5	3033.4	2975.0	2961.8	3065.5	3602.8	3625.4
40°	2120.9	2113.4	2111.5	2009.7	1939.9	2473.5	2437.7	2375.4	2841.1	2886.4
42.5°	1709.9	1717.5	1723.1	1500.7	1398.9	1907.9	1887.2	1823.1	2228.4	2281.2
45°	1342.3	1340.4	1351.7	1118.0	1089.7	1219.8	1410.2	1359.3	1681.7	1738.2
47.5°	695.7	720.2	872.9	865.3	878.5	865.3	1067.1	1053.9	1265.0	1355.5
50°	467.5	475.1	488.3	490.2	691.9	637.2	723.9	820.1	886.1	1025.6
52.5°	362.0	367.6	333.7	313.0	424.2	471.3	475.1	567.5	618.4	759.8
55°	201.7	226.2	243.2	245.1	233.8	348.8	346.9	420.4	460.0	554.3
57.5°	26.4	32.0	49.0	158.4	156.5	194.2	243.2	305.4	328.0	405.3
60°	1.9	3.8	5.7	24.5	103.7	113.1	165.9	190.4	228.1	284.7
62.5°	0.0	0.0	1.9	5.7	20.7	66.0	86.7	99.9	133.9	186.6
65°	0.0	0.0	1.9	3.8	7.5	24.5	33.9	54.7	79.2	115.0
67.5°	0.0	0.0	1.9	3.8	5.7	9.4	15.1	24.5	41.5	69.8
70°	0.0	0.0	1.9	3.8	5.7	7.5	11.3	15.1	22.6	37.7
72.5°	0.0	0.0	1.9	1.9	3.8	9.4	9.4	11.3	15.1	20.7
75°	0.0	0.0	1.9	3.8	5.7	9.4	9.4	9.4	11.3	13.2
77.5°	0.0	0.0	1.9	3.8	5.7	9.4	7.5	9.4	9.4	9.4
80°	0.0	0.0	1.9	3.8	5.7	9.4	11.3	9.4	7.5	7.5
82.5°	0.0	0.0	1.9	5.7	5.7	13.2	13.2	13.2	5.7	5.7
85°	0.0	0.0	3.8	5.7	9.4	15.1	15.1	11.3	5.7	3.8
87.5°	0.0	0.0	1.9	3.8	3.8	7.5	11.3	9.4	3.8	1.9
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°
17534.9	0°	17534.9	17534.9	17534.9	17534.9	17534.9	17534.9	17534.9	17534.9	17534.9
17370.9	2.5°	17510.4	17463.3	17551.9	17563.2	17525.5	17478.4	17369.0	17359.6	17169.2
16986.3	5°	17178.6	17101.3	17157.9	17195.6	17182.4	17131.5	17086.2	17044.8	16873.2
16362.3	7.5°	16560.2	16532.0	16558.4	16586.6	16641.3	16586.6	16567.8	16524.4	16354.7
15747.7	10°	15874.0	15821.2	15921.1	15907.9	15892.9	15877.8	15798.6	15806.1	15606.3
14910.6	12.5°	15031.3	14942.7	15038.8	15050.1	15038.8	14986.0	14897.4	14935.1	14752.3
13779.5	15°	13898.2	13888.8	13958.6	14003.8	14035.9	13979.3	13949.1	13968.0	13858.6
12324.0	17.5°	12506.9	12629.4	12857.6	12934.9	12936.7	12995.2	12978.2	12955.6	12874.5
10712.1	20°	10870.5	11106.1	11456.8	11816.9	11920.6	11871.6	11848.9	11890.4	11769.8
9198.2	22.5°	9360.4	9562.1	9969.3	10495.3	10798.8	10829.0	10823.4	10787.5	10740.4
7986.0	25°	8078.4	8257.5	8647.7	9128.5	9711.0	9797.8	9801.5	9790.2	9748.7
6886.9	27.5°	6996.3	7213.1	7428.0	7857.8	8478.1	8836.3	8791.0	8777.8	8762.8
5959.3	30°	6015.9	6289.3	6491.0	6758.7	7314.9	7799.4	7846.5	7823.9	7788.1
5192.0	32.5°	5239.2	5401.3	5657.7	5838.7	6238.4	6787.0	6968.0	6951.0	6919.0
4500.1	35°	4564.2	4628.3	4830.1	5031.8	5297.6	5829.3	6097.0	6059.3	6053.6
3666.9	37.5°	3759.2	3974.2	4085.4	4289.0	4475.6	4888.5	5258.0	5241.1	5242.9
2948.6	40°	3035.3	3159.7	3380.3	3551.9	3723.4	4025.1	4436.0	4447.4	4443.6
2283.1	42.5°	2330.2	2450.9	2682.7	2869.4	3022.1	3208.7	3600.9	3614.1	3631.0
1777.8	45°	1819.3	1896.6	2066.3	2260.4	2422.6	2535.7	2833.6	2918.4	2920.3
1378.1	47.5°	1412.1	1500.7	1621.3	1808.0	1966.3	2047.4	2264.2	2379.2	2373.6
1057.6	50°	1108.5	1189.6	1287.6	1434.7	1606.3	1670.4	1830.6	1943.7	1938.1
797.5	52.5°	848.4	952.1	1038.8	1151.9	1319.7	1374.4	1489.4	1619.5	1600.6
584.4	55°	642.9	748.5	829.5	923.8	1076.5	1146.2	1225.4	1329.1	1332.9
452.5	57.5°	484.5	593.9	667.4	763.5	878.5	955.8	1016.2	1127.4	1125.5
309.2	60°	346.9	441.2	529.8	629.7	718.3	806.9	848.4	953.9	957.7
218.7	62.5°	250.7	339.3	424.2	510.9	590.1	676.8	714.5	797.5	808.8
143.3	65°	175.3	237.5	335.6	401.6	490.2	554.3	603.3	674.9	688.1
84.8	67.5°	113.1	171.6	265.8	324.3	405.3	460.0	510.9	567.5	584.4
54.7	70°	67.9	130.1	198.0	260.2	333.7	382.7	431.7	480.7	490.2
26.4	72.5°	43.4	90.5	143.3	211.2	267.7	320.5	363.9	399.7	371.4
17.0	75°	24.5	62.2	113.1	165.9	216.8	267.7	303.5	322.4	258.3
11.3	77.5°	15.1	45.2	92.4	133.9	167.8	214.9	237.5	248.9	184.8
7.5	80°	9.4	33.9	77.3	109.3	109.3	158.4	184.8	194.2	133.9
5.7	82.5°	7.5	24.5	60.3	83.0	73.5	118.8	145.2	147.1	94.3
3.8	85°	5.7	18.9	37.7	54.7	50.9	83.0	84.8	94.3	62.2
3.8	87.5°	3.8	11.3	22.6	32.0	28.3	39.6	45.2	50.9	33.9
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



180°
17534.9
17020.2
16735.6
16318.9
15538.4
14699.5
13726.7
12753.9
11683.0
10649.9
9609.2
8674.1
7742.8
6834.1
5991.4
5182.6
4377.6
3574.5
2871.3
2352.8
1938.1
1602.5
1332.9
1121.7
948.3
805.0
684.4
582.5
482.6
345.0
245.1
173.4
124.4
86.7
56.6
30.2
0.0

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