

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: P637386

Luminaire Tested: **IFLD-S-SA6B-740-U-44-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P637386
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-44-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 4 distribution lens and Visor
Light Source: (96) 4000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32194.1 lumens
Efficiency: N/A
Efficacy: 131.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

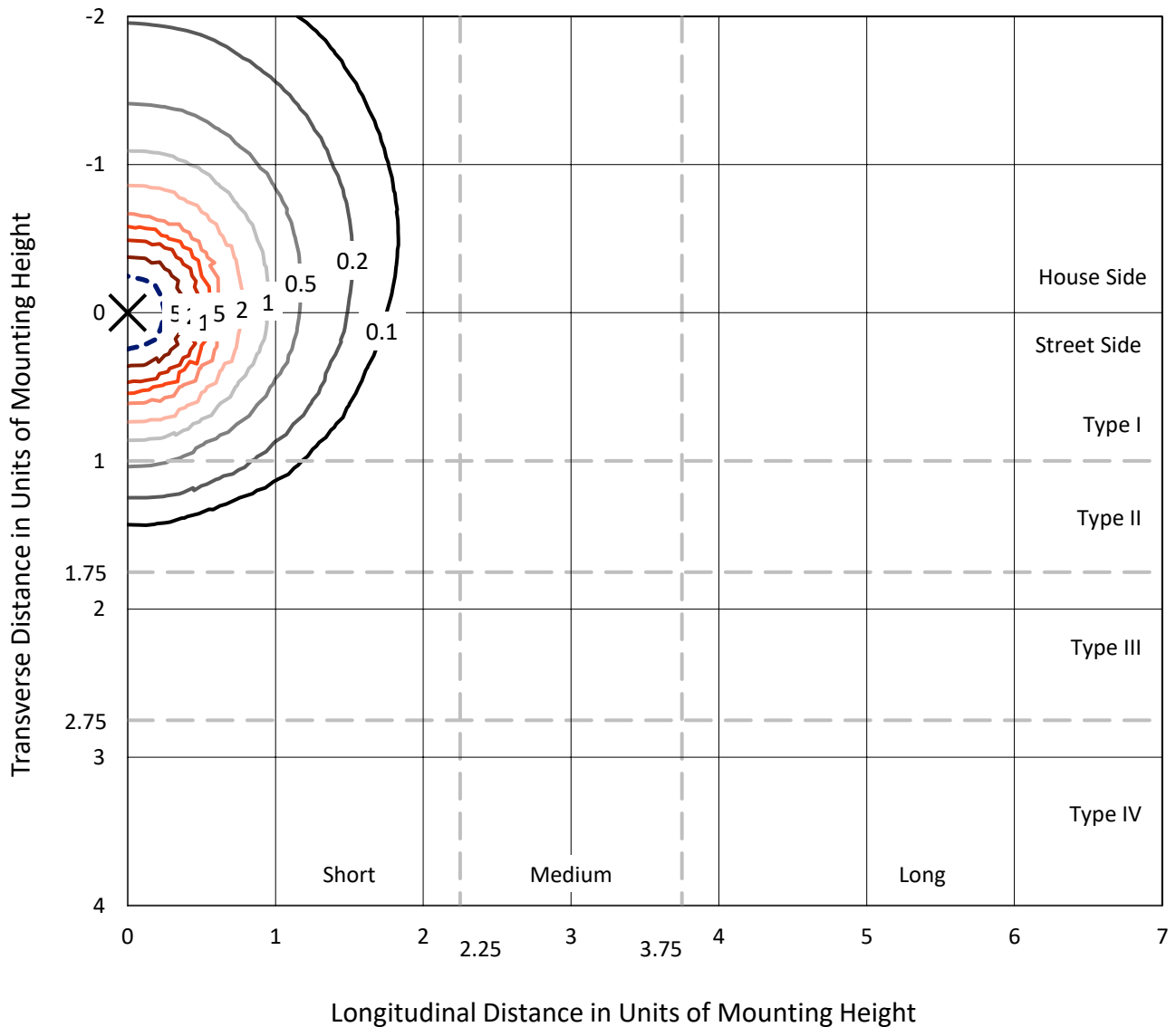
Input Watts (W): 244.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

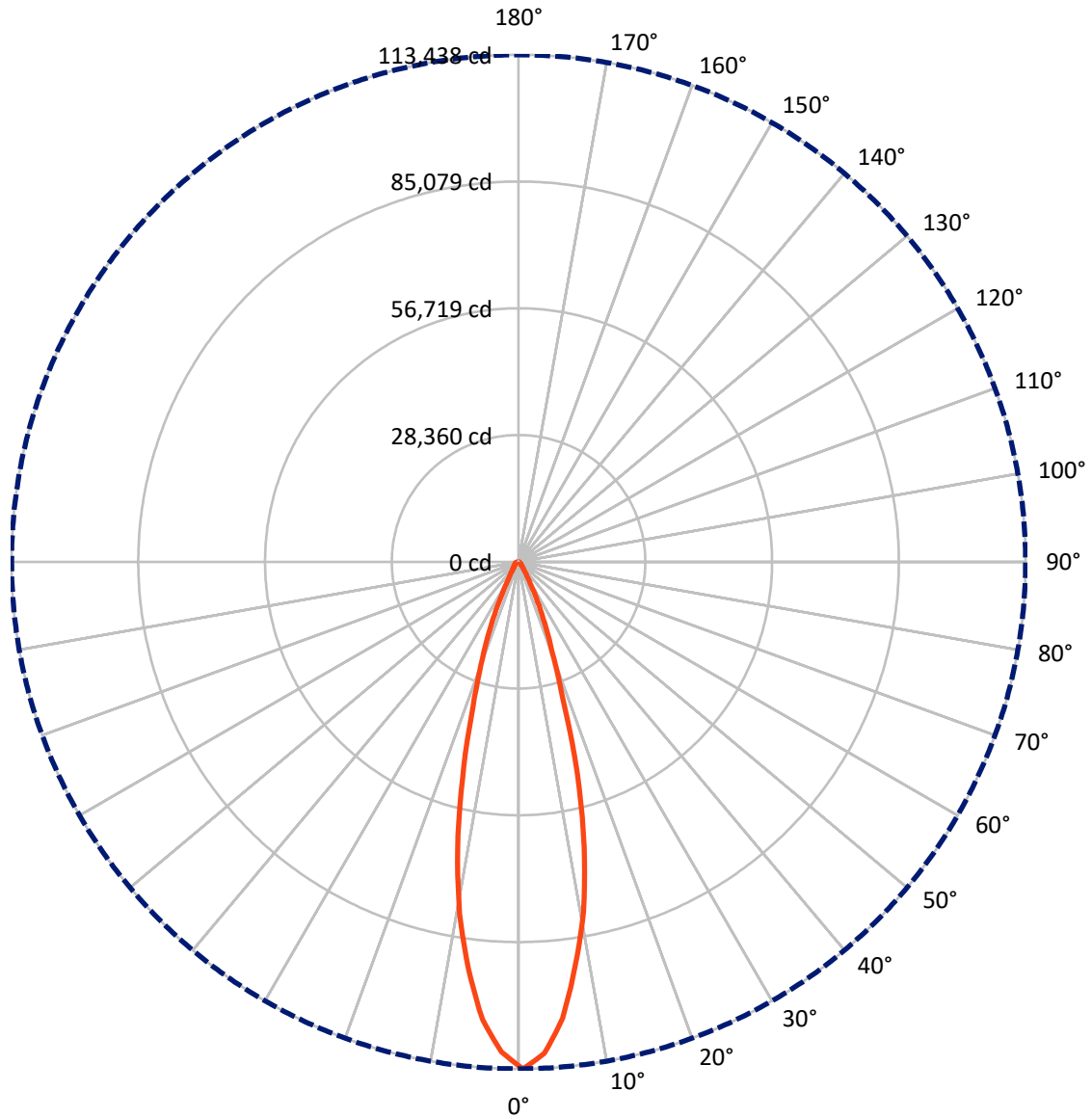
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 283.6 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	16974.9	0.0	16974.9
	% Fixture	52.7	0.0	52.7
Street Side	Lumens	15219.2	0.0	15219.2
	% Fixture	47.3	0.0	47.3
Total	Lumens	32194.1	0.0	32194.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9155.5	28.4
10°-20°	13865.9	43.1
20°-30°	5851.5	18.2
30°-40°	1526.1	4.7
40°-50°	771.9	2.4
50°-60°	504.5	1.6
60°-70°	302.3	0.9
70°-80°	159.0	0.5
80°-90°	57.4	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°	32194.1	100.0
0°-180°	32194.1	100.0

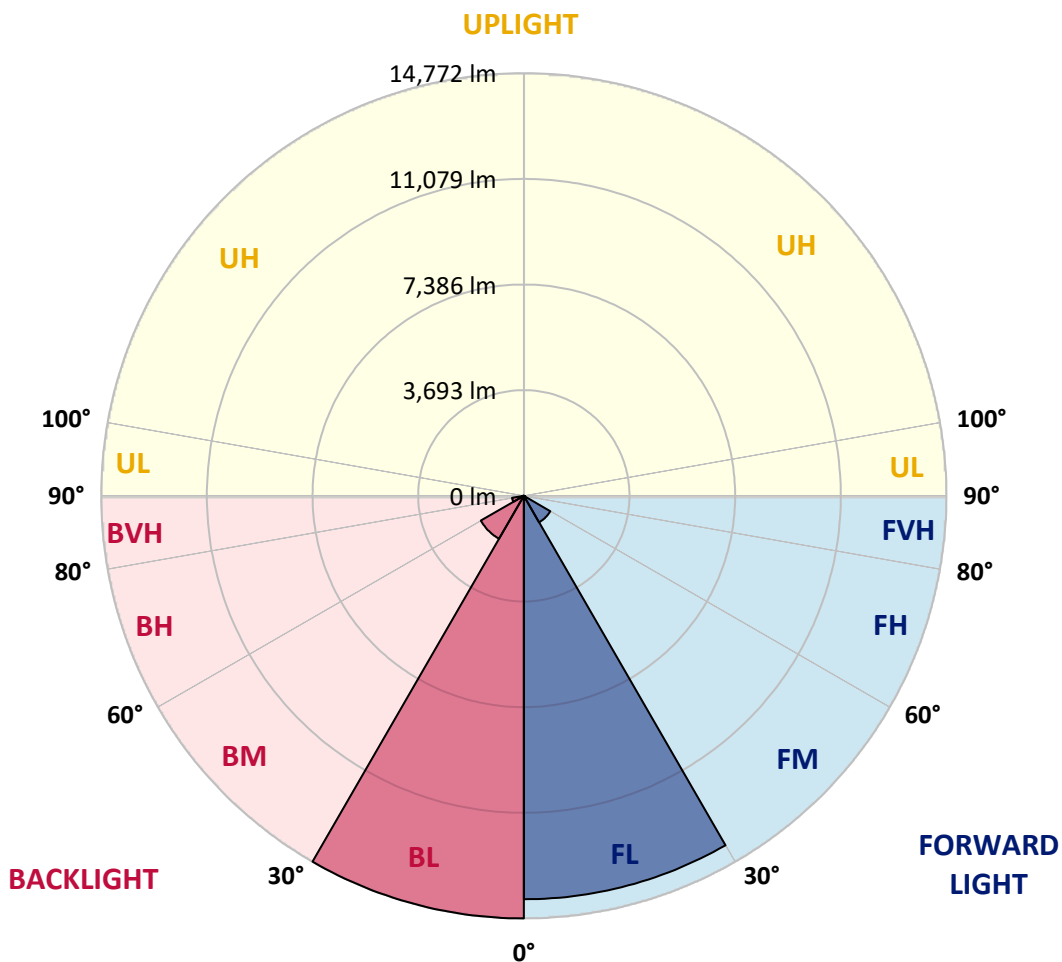


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	14100.8	43.8			
FM (30°-60°)	1067.9	3.3			
FH (60°-80°)	43.5	0.1			G0/660
FVH (80°-90°)	7.0	0.0			G0/10
BL (0°-30°)	14772.0	45.9	B5		
BM (30°-60°)	1734.7	5.4	B2/2500		
BH (60°-80°)	417.8	1.3	B1/500		G0/660
BVH (80°-90°)	50.5	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-G1
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	113438.2	113438.2	113438.2	113438.2	113438.2	113438.2	113438.2	113438.2	113438.2	113438.2
2.5°	110133.7	110195.1	109967.4	110459.1	110075.8	111102.6	110592.8	111388.2	111120.7	111565.4
5°	102613.5	102512.3	102447.2	103210.1	102989.6	104092.3	103387.3	103155.9	103871.7	103741.6
7.5°	91257.4	91525.0	91373.1	91572.0	91684.1	92942.2	93339.9	93029.0	93039.9	93220.6
10°	79615.7	79221.6	78661.2	79033.6	79821.8	80371.3	80150.8	80606.3	80505.1	80935.3
12.5°	65291.3	65602.2	65287.7	64955.1	66332.6	66180.7	66564.0	66813.4	66187.9	67579.9
15°	49180.9	49343.6	49726.8	49701.5	50760.8	50974.2	50923.5	51187.5	50699.4	50930.8
17.5°	31595.4	32144.9	33175.3	34918.0	36877.5	37105.3	37047.5	36830.5	36595.5	36335.2
20°	21222.7	21164.8	21537.2	22047.0	26103.5	27177.3	27144.8	26465.1	25481.7	25293.7
22.5°	14866.7	14975.2	14924.6	15430.7	16269.5	19230.5	18865.4	18174.8	17853.1	17643.4
25°	9779.8	9740.0	9993.1	10144.9	10864.4	11226.0	12505.8	12249.1	11753.8	11808.0
27.5°	5961.9	6012.5	6106.5	6236.6	6746.4	6630.7	7361.0	7458.7	7299.6	7129.7
30°	3658.8	3695.0	3770.9	3864.9	4042.1	3915.5	4118.0	4468.7	4410.8	4291.5
32.5°	2483.8	2487.4	2541.7	2577.8	2556.1	2436.8	2501.9	2834.5	2841.7	2830.9
35°	1786.0	1786.0	1836.6	1865.6	1804.1	1706.5	1717.3	1923.4	2013.8	2031.9
37.5°	1232.9	1236.5	1323.3	1410.0	1341.3	1316.0	1272.6	1410.0	1554.6	1576.3
40°	936.4	932.8	976.2	1041.2	1048.5	1001.5	1015.9	1102.7	1250.9	1269.0
42.5°	759.2	762.9	784.6	777.3	780.9	842.4	864.1	903.9	1041.2	1073.8
45°	639.9	643.5	654.4	618.2	603.8	697.8	726.7	748.4	864.1	903.9
47.5°	527.9	535.1	545.9	506.2	498.9	560.4	611.0	632.7	733.9	777.3
50°	379.6	386.9	426.6	404.9	426.6	441.1	509.8	542.3	611.0	668.9
52.5°	274.8	282.0	292.9	296.5	350.7	357.9	408.5	459.2	491.7	556.8
55°	216.9	224.2	216.9	209.7	256.7	296.5	314.5	368.8	394.1	470.0
57.5°	122.9	130.2	141.0	162.7	169.9	227.8	245.9	292.9	314.5	386.9
60°	21.7	25.3	39.8	97.6	119.3	144.6	184.4	224.2	253.1	303.7
62.5°	3.6	3.6	7.2	21.7	68.7	101.2	133.8	159.1	184.4	231.4
65°	0.0	0.0	3.6	7.2	18.1	57.8	72.3	94.0	126.5	166.3
67.5°	0.0	0.0	3.6	7.2	10.8	21.7	32.5	57.8	72.3	112.1
70°	0.0	0.0	3.6	7.2	10.8	14.5	18.1	25.3	43.4	68.7
72.5°	0.0	0.0	3.6	7.2	10.8	14.5	18.1	21.7	21.7	43.4
75°	0.0	0.0	3.6	7.2	10.8	18.1	21.7	21.7	18.1	18.1
77.5°	0.0	0.0	3.6	7.2	14.5	21.7	25.3	21.7	14.5	14.5
80°	0.0	0.0	7.2	10.8	18.1	25.3	32.5	25.3	14.5	7.2
82.5°	0.0	0.0	7.2	14.5	18.1	28.9	39.8	32.5	14.5	7.2
85°	0.0	0.0	3.6	10.8	21.7	28.9	39.8	28.9	14.5	3.6
87.5°	0.0	0.0	3.6	3.6	7.2	10.8	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°
113438.2	0°	113438.2	113438.2	113438.2	113438.2	113438.2	113438.2	113438.2	113438.2	113438.2
110723.0	2.5°	111359.3	111937.8	112057.1	111898.0	112129.4	111713.6	111395.5	110571.1	110075.8
103701.8	5°	104370.7	104283.9	104887.7	105086.5	105061.2	104743.0	104298.3	103799.4	103314.9
92869.9	7.5°	93448.4	93560.5	94110.0	94460.7	94283.6	93885.9	93578.6	93202.5	92877.2
81090.8	10°	81832.0	81061.9	81745.2	81745.2	82218.8	81094.4	81199.3	80252.0	80295.4
67554.6	12.5°	67786.0	68064.4	68176.4	68498.2	67945.1	67348.5	66618.2	66473.6	66021.6
50489.7	15°	51216.4	52011.8	51328.5	52496.3	51932.2	51310.4	51198.3	50077.5	50431.8
36620.8	17.5°	36440.1	37318.6	37593.4	38262.3	37748.9	37380.1	36913.7	36573.8	36548.5
25637.1	20°	25839.6	26721.8	26924.2	27726.8	27669.0	27553.3	27159.2	26729.0	26262.6
17451.8	22.5°	17715.7	18435.2	19107.6	20188.6	20170.6	19830.7	19790.9	19183.5	19194.4
11790.0	25°	11912.9	12437.1	12596.2	13702.5	13825.5	13789.3	13583.2	13019.2	13232.5
7202.0	27.5°	7209.2	7668.4	8207.1	8597.5	8966.3	8908.5	8702.4	8387.8	8250.4
4327.7	30°	4443.4	4649.5	4848.3	5318.3	5538.9	5654.6	5556.9	5264.1	5285.8
2849.0	32.5°	2910.4	3084.0	3228.6	3525.1	3640.8	3854.1	3814.3	3752.8	3680.5
2050.0	35°	2122.3	2248.8	2346.4	2483.8	2632.0	2812.8	2841.7	2816.4	2787.5
1583.6	37.5°	1619.7	1749.9	1862.0	1919.8	2035.5	2176.5	2256.0	2252.4	2230.7
1290.7	40°	1316.0	1413.6	1514.9	1590.8	1670.3	1775.2	1872.8	1883.6	1883.6
1084.6	42.5°	1099.1	1182.3	1283.5	1363.0	1420.9	1518.5	1619.7	1627.0	1619.7
918.3	45°	940.0	1012.3	1109.9	1203.9	1250.9	1323.3	1420.9	1442.6	1428.1
788.2	47.5°	817.1	882.2	965.3	1066.6	1117.2	1182.3	1272.6	1297.9	1294.3
679.7	50°	701.4	777.3	860.5	943.6	1008.7	1070.2	1156.9	1185.9	1175.0
578.5	52.5°	618.2	686.9	759.2	849.6	925.6	979.8	1048.5	1099.1	1084.6
488.1	55°	517.0	600.2	676.1	752.0	846.0	903.9	968.9	1030.4	1015.9
412.2	57.5°	448.3	517.0	603.8	672.5	766.5	835.2	900.2	965.3	961.7
336.2	60°	376.0	448.3	531.5	603.8	690.5	766.5	831.6	903.9	911.1
253.1	62.5°	296.5	383.2	455.5	538.7	625.5	708.6	766.5	838.8	849.6
191.6	65°	224.2	314.5	394.1	473.6	560.4	650.8	701.4	762.9	773.7
141.0	67.5°	166.3	242.2	336.2	408.5	498.9	585.7	632.7	683.3	701.4
86.8	70°	126.5	184.4	282.0	350.7	444.7	513.4	564.0	607.4	621.9
57.8	72.5°	79.5	144.6	227.8	300.1	383.2	444.7	480.9	506.2	527.9
32.5	75°	54.2	112.1	184.4	256.7	318.2	365.2	397.7	419.4	437.5
14.5	77.5°	32.5	86.8	151.8	213.3	253.1	289.2	321.8	336.2	347.1
10.8	80°	18.1	65.1	126.5	173.5	198.8	224.2	249.5	267.5	274.8
7.2	82.5°	10.8	50.6	101.2	133.8	144.6	169.9	195.2	206.1	206.1
3.6	85°	7.2	36.2	68.7	97.6	104.8	122.9	130.2	137.4	144.6
3.6	87.5°	7.2	21.7	43.4	54.2	57.8	65.1	68.7	75.9	83.2
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



180°
113438.2
109710.7
102772.6
91774.4
79872.4
65609.5
50077.5
35876.1
26060.1
18984.7
12896.3
8131.1
5191.8
3655.2
2776.7
2219.9
1862.0
1612.5
1428.1
1287.1
1167.8
1081.0
1023.2
965.3
914.7
856.9
784.6
708.6
629.1
524.2
433.9
343.5
267.5
202.5
141.0
79.5
0.0

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