

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: P636643

Luminaire Tested: **IFLD-L-SA7C-935-U-66-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636643
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7C-935-U-66-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 6 distribution lens and Visor
Light Source: (112) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23437 lumens
Efficiency: N/A
Efficacy: 63.5 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G1

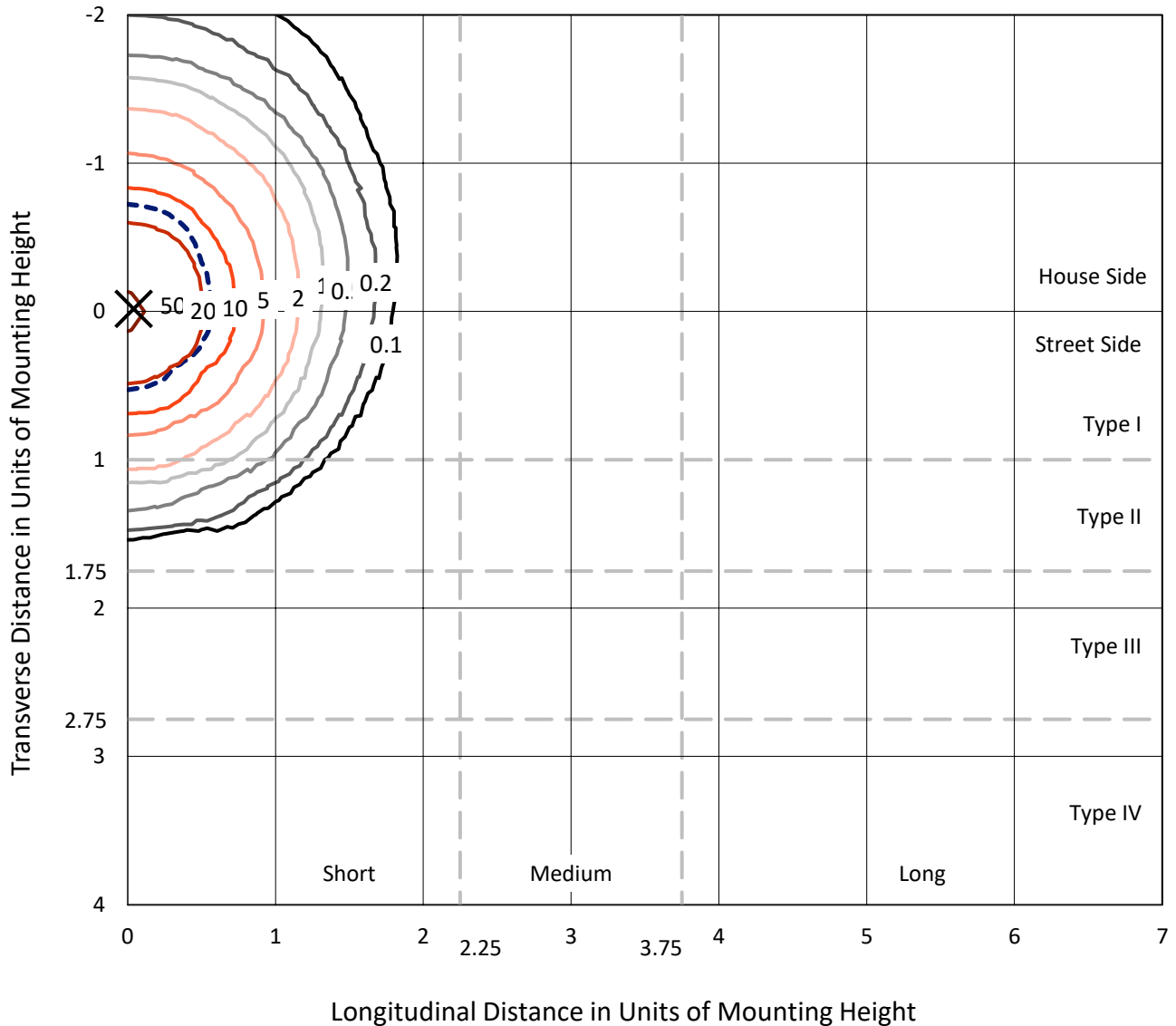
Input Watts (W): 369
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

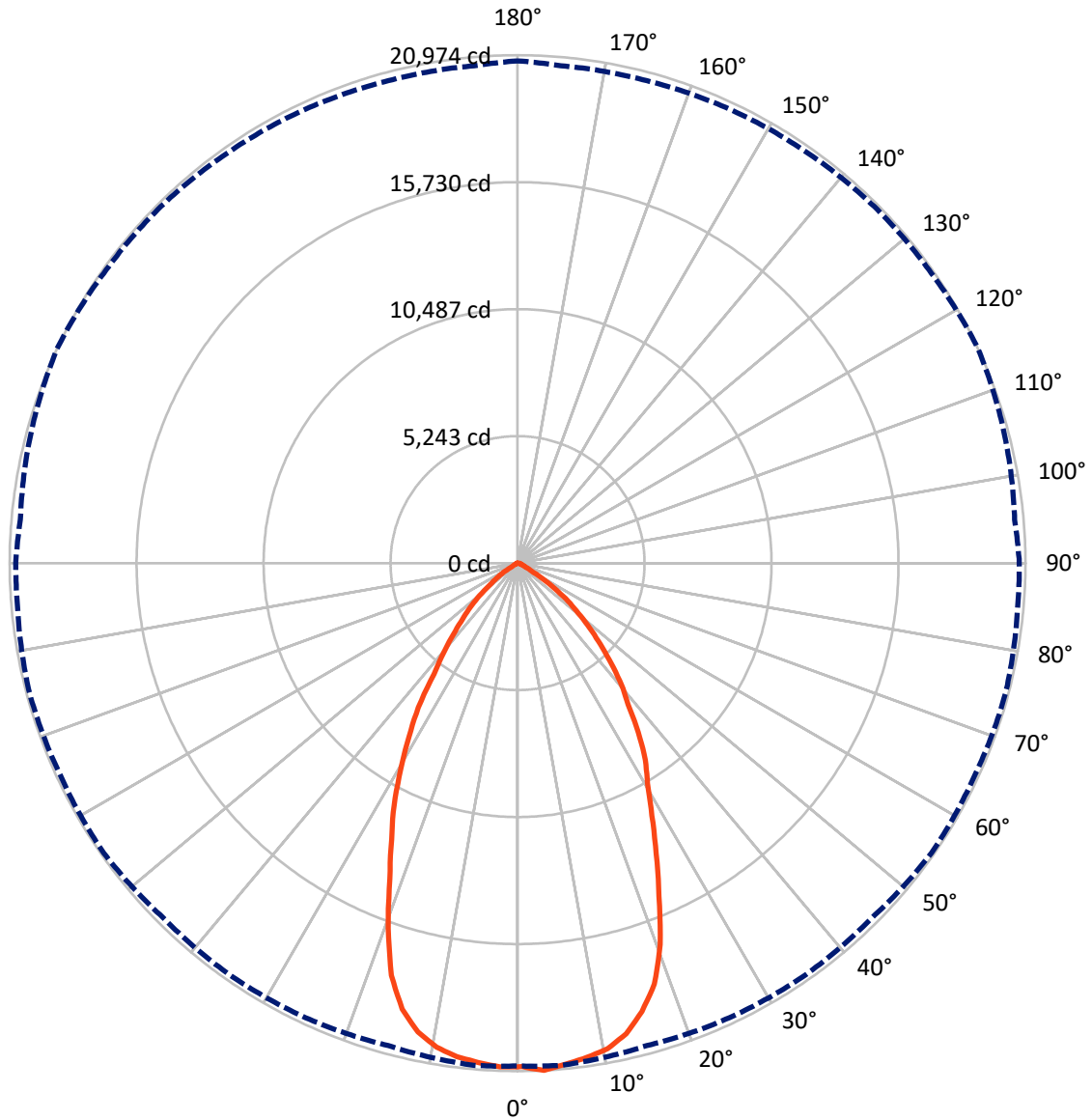
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 52 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 115-Deg Lateral - - - Horizontal Cone Through 2.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13412.7	0.0	13412.7
	% Fixture	57.2	0.0	57.2
Street Side	Lumens	10024.3	0.0	10024.3
	% Fixture	42.8	0.0	42.8
Total	Lumens	23437.0	0.0	23437.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1958.6	8.4
10°-20°	5193.2	22.2
20°-30°	5939.9	25.3
30°-40°	5090.3	21.7
40°-50°	3365.9	14.4
50°-60°	1468.7	6.3
60°-70°	288.6	1.2
70°-80°	104.1	0.4
80°-90°	27.7	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°	23437.0	100.0
0°-180°	23437.0	100.0



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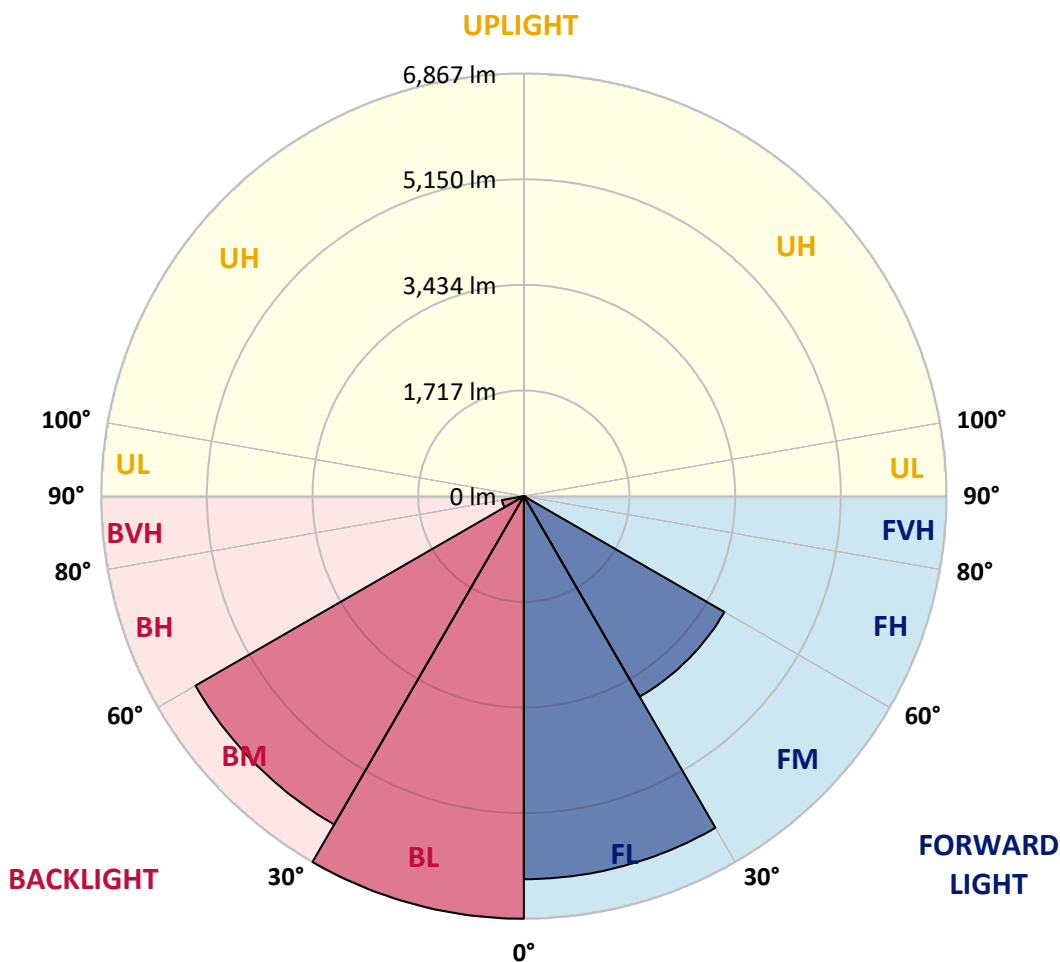
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	6224.4	26.6			
FM (30°-60°)	3763.5	16.1			
FH (60°-80°)	31.9	0.1			G0/660
FVH (80°-90°)	4.6	0.0			G0/10
BL (0°-30°)	6867.3	29.3	B5		
BM (30°-60°)	6161.5	26.3	B4/8500		
BH (60°-80°)	360.8	1.5	B1/500		G1/500
BVH (80°-90°)	23.1	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 I Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	20794.5	20794.5	20794.5	20794.5	20794.5	20794.5	20794.5	20794.5	20794.5	20794.5
2.5°	20764.6	20814.4	20625.1	20709.8	20744.7	20699.9	20864.3	20814.4	20854.3	20729.8
5°	20764.6	20814.4	20595.2	20635.1	20645.1	20560.4	20739.7	20679.9	20684.9	20555.4
7.5°	20635.1	20694.9	20495.6	20525.5	20530.5	20460.7	20615.2	20530.5	20500.6	20366.1
10°	20286.4	20321.2	20141.9	20216.6	20286.4	20221.6	20356.1	20261.5	20261.5	20141.9
12.5°	19733.4	19798.1	19598.9	19688.5	19748.3	19673.6	19828.0	19793.2	19798.1	19678.6
15°	18727.0	18502.8	18742.0	18921.3	18926.3	18911.4	19055.8	19021.0	19045.9	18866.5
17.5°	13834.8	13780.0	14059.0	16176.3	17750.6	17964.8	17989.7	17800.4	17715.7	17541.3
20°	12818.5	12858.3	12798.5	12808.5	14049.0	16624.7	16470.2	16001.9	15787.7	15613.3
22.5°	12076.2	12011.4	11971.5	11946.6	11981.5	13660.4	14771.4	14064.0	13949.4	13864.7
25°	11269.1	11239.2	11189.4	11179.4	11159.5	10875.5	12474.7	12539.5	12355.2	12250.5
27.5°	10516.8	10496.9	10442.1	10437.1	10207.9	9520.4	9694.8	11234.2	11184.4	11144.5
30°	9714.7	9674.9	9645.0	9645.0	8952.5	8245.1	7961.1	9794.4	9794.4	9759.6
32.5°	8842.9	8808.0	8818.0	8698.4	7871.4	7223.8	6775.4	8454.3	8977.4	8947.5
35°	5405.4	5395.4	6406.7	7736.9	6765.4	6177.6	6147.7	7233.7	7996.0	8075.7
37.5°	4812.5	4782.6	4797.6	4882.3	5794.0	5559.8	5549.9	5734.2	6805.3	6845.2
40°	4319.3	4299.4	4284.4	3980.6	3691.6	4962.0	4927.1	4807.5	5813.9	5883.6
42.5°	3851.0	3831.1	3831.1	3402.6	2934.3	4080.2	4095.1	3955.6	4902.2	4927.1
45°	3367.8	3352.8	3268.1	2715.1	2580.6	2710.2	3392.7	3233.3	3890.9	4149.9
47.5°	1589.2	1579.3	2286.7	2256.8	2246.8	2167.1	2590.6	2680.3	3088.8	3347.8
50°	1275.4	1265.4	1205.6	1061.1	1848.3	1644.0	1868.2	2062.5	2192.0	2431.2
52.5°	1056.2	1046.2	921.7	817.0	1026.3	1200.6	1115.9	1380.0	1375.0	1634.1
55°	692.5	642.7	707.4	667.6	538.0	871.8	851.9	1046.2	1021.3	1245.5
57.5°	14.9	14.9	34.9	378.6	338.8	368.7	488.2	597.8	672.6	737.3
60°	5.0	5.0	10.0	19.9	139.5	154.4	189.3	219.2	308.9	383.6
62.5°	0.0	0.0	5.0	10.0	19.9	79.7	89.7	104.6	144.5	199.3
65°	0.0	0.0	0.0	5.0	10.0	19.9	29.9	64.8	89.7	114.6
67.5°	0.0	0.0	0.0	5.0	5.0	10.0	19.9	29.9	39.9	79.7
70°	0.0	0.0	0.0	5.0	5.0	10.0	14.9	19.9	29.9	39.9
72.5°	0.0	0.0	0.0	5.0	5.0	14.9	10.0	14.9	19.9	24.9
75°	0.0	0.0	0.0	5.0	5.0	5.0	10.0	14.9	14.9	19.9
77.5°	0.0	0.0	0.0	5.0	10.0	10.0	10.0	10.0	10.0	14.9
80°	0.0	0.0	0.0	5.0	5.0	10.0	14.9	19.9	10.0	10.0
82.5°	0.0	0.0	0.0	10.0	5.0	19.9	29.9	24.9	10.0	5.0
85°	0.0	0.0	0.0	5.0	19.9	24.9	24.9	14.9	5.0	5.0
87.5°	0.0	0.0	0.0	5.0	5.0	10.0	14.9	14.9	5.0	5.0
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°
20794.5	0°	20794.5	20794.5	20794.5	20794.5	20794.5	20794.5	20794.5	20794.5	20794.5
20719.8	2.5°	20605.2	20799.5	20973.9	20864.3	20824.4	20744.7	20684.9	20620.2	20615.2
20540.4	5°	20425.9	20610.2	20779.6	20650.0	20660.0	20620.2	20580.3	20565.4	20575.3
20356.1	7.5°	20271.4	20425.9	20610.2	20500.6	20530.5	20505.6	20485.6	20455.7	20500.6
20117.0	10°	20037.3	20176.8	20391.0	20286.4	20271.4	20246.5	20226.6	20171.8	20196.7
19683.6	12.5°	19524.1	19698.5	19942.6	19823.0	19862.9	19793.2	19763.3	19728.4	19733.4
18931.3	15°	18826.7	18961.2	19210.3	19115.6	19145.5	19100.7	19100.7	19100.7	19135.5
17566.2	17.5°	17611.1	17885.1	18278.7	18159.1	18203.9	18213.9	18203.9	18238.8	18283.6
15623.3	20°	15633.3	16101.6	16818.9	17053.1	17147.8	17152.7	17083.0	17167.7	17257.4
13804.9	22.5°	13814.9	14308.1	14940.8	15583.4	15982.0	15962.1	15972.0	16026.8	16121.5
12185.8	25°	12240.6	12713.9	13286.8	13859.7	14731.5	14910.9	14915.9	14965.7	15040.4
11079.8	27.5°	11104.7	11289.0	11812.1	12390.0	13326.6	13899.5	13869.7	13914.5	13994.2
9694.8	30°	9734.7	10442.1	10561.7	10915.4	11722.4	12773.6	12778.6	12828.4	12908.1
8877.8	32.5°	8852.9	9321.2	9689.8	9699.8	10387.3	11468.4	11682.6	11732.4	11787.2
8030.8	35°	8025.9	8080.7	8578.9	8718.4	9116.9	10188.0	10566.6	10596.5	10686.2
6830.2	37.5°	6944.8	7268.6	7408.1	7906.3	7926.2	8793.1	9545.4	9515.5	9585.2
5878.7	40°	5953.4	6262.3	6616.0	6979.7	7029.5	7677.1	8509.1	8539.0	8568.9
4877.3	42.5°	4917.2	5310.7	5674.4	5918.5	6257.3	6630.9	7423.1	7562.5	7632.3
4179.8	45°	4254.6	4364.2	4797.6	5156.3	5500.0	5674.4	6416.7	6670.8	6715.6
3308.0	47.5°	3352.8	3721.5	4015.4	4319.3	4747.8	4902.2	5440.3	5794.0	5828.8
2456.1	50°	2590.6	2854.6	3258.2	3532.2	4030.4	4115.1	4483.7	4942.1	4986.9
1644.0	52.5°	1853.3	2212.0	2605.5	2869.6	3347.8	3457.5	3731.5	4169.9	4199.8
1260.4	55°	1330.2	1564.3	1888.1	2266.8	2615.5	2859.6	3048.9	3467.4	3507.3
827.0	57.5°	906.7	1125.9	1260.4	1639.1	1848.3	2112.3	2266.8	2585.6	2615.5
393.6	60°	433.4	538.0	642.7	832.0	966.5	1190.7	1290.3	1419.8	1454.7
239.1	62.5°	279.0	328.8	418.5	498.2	627.7	767.2	807.1	916.7	956.5
149.5	65°	184.3	234.2	328.8	348.7	478.3	587.9	637.7	717.4	762.2
89.7	67.5°	104.6	164.4	244.1	289.0	378.6	483.2	538.0	607.8	647.6
59.8	70°	69.7	134.5	194.3	239.1	298.9	388.6	458.3	518.1	543.0
29.9	72.5°	39.9	84.7	134.5	189.3	239.1	323.8	388.6	438.4	289.0
19.9	75°	24.9	64.8	114.6	159.4	199.3	259.1	313.9	308.9	129.5
14.9	77.5°	19.9	49.8	99.6	134.5	164.4	179.3	224.2	254.1	99.6
10.0	80°	14.9	39.9	89.7	114.6	64.8	129.5	174.4	189.3	69.7
10.0	82.5°	10.0	24.9	74.7	79.7	44.8	94.7	139.5	124.5	49.8
5.0	85°	5.0	14.9	24.9	44.8	39.9	44.8	34.9	49.8	34.9
5.0	87.5°	5.0	10.0	19.9	19.9	19.9	14.9	19.9	19.9	19.9
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



180°
20794.5
20734.7
20699.9
20625.1
20316.3
19877.8
19150.5
18433.1
17317.1
16136.4
15169.9
14068.9
13047.6
11911.8
10780.9
9669.9
8663.6
7731.9
6825.2
5913.5
5051.7
4254.6
3542.1
2675.3
1494.6
966.5
762.2
642.7
538.0
234.2
129.5
99.6
74.7
49.8
34.9
19.9
0.0

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