

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: P636632

Luminaire Tested: **IFLD-S-SA6B-935-U-66-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636632
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6B-935-U-66-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 6 distribution lens and Visor
Light Source: (96) 3500K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17647.3 lumens
Efficiency: N/A
Efficacy: 72.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G1

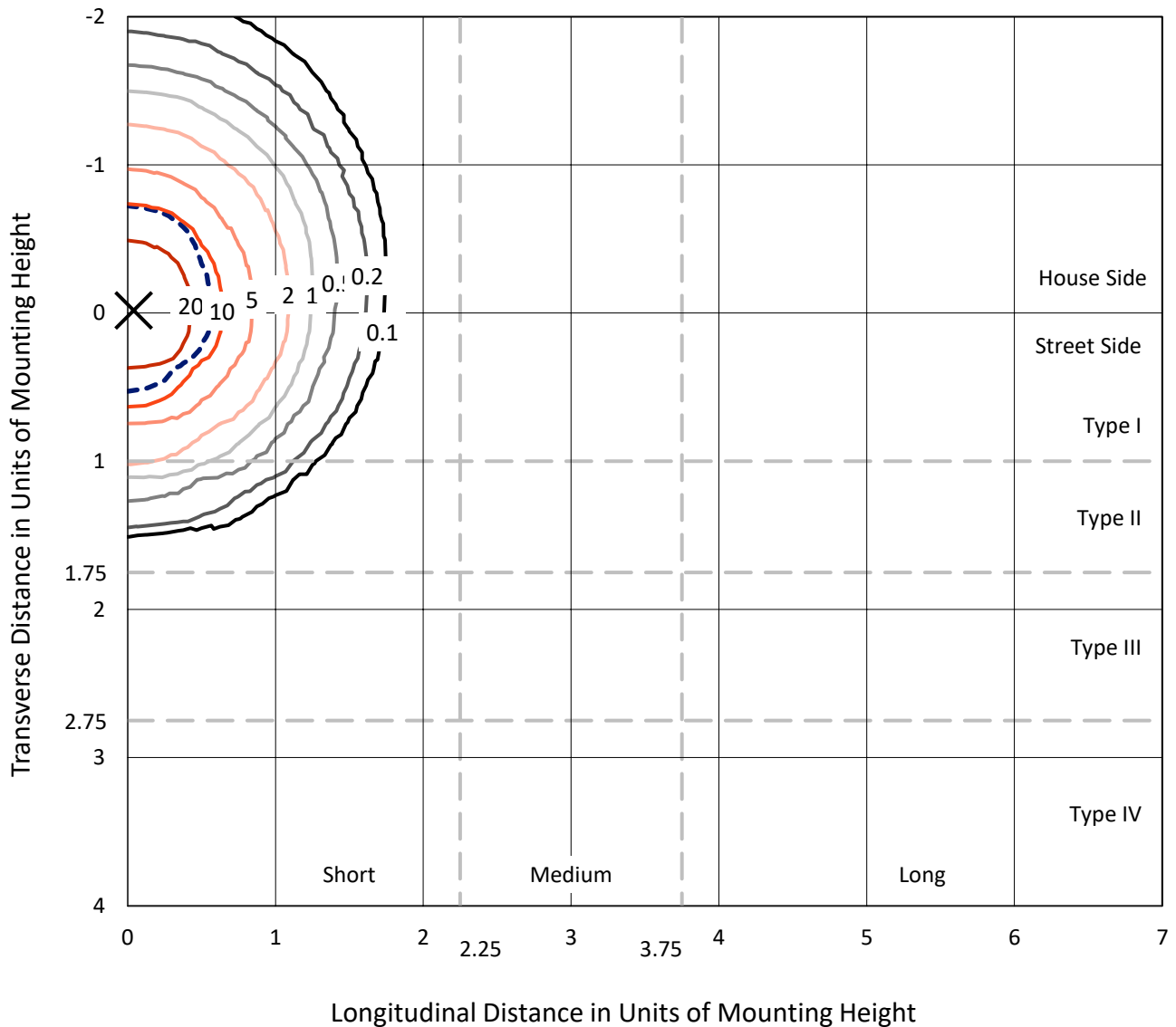
Input Watts (W): 244.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

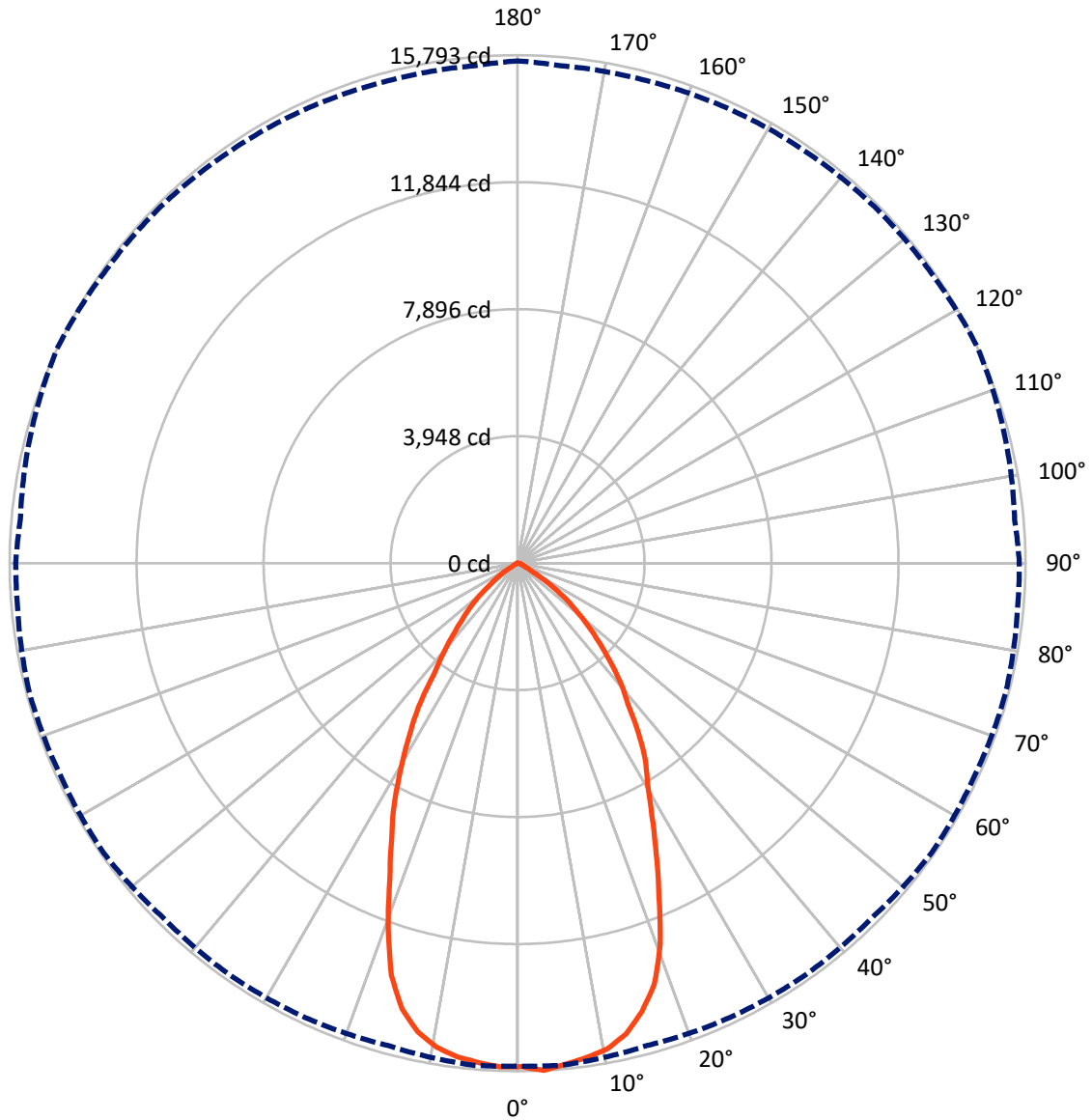
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 39.1 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	10099.3	0.0	10099.3
	% Fixture	57.2	0.0	57.2
Street Side	Lumens	7548.0	0.0	7548.0
	% Fixture	42.8	0.0	42.8
Total	Lumens	17647.3	0.0	17647.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1474.8	8.4
10°-20°	3910.3	22.2
20°-30°	4472.5	25.3
30°-40°	3832.8	21.7
40°-50°	2534.4	14.4
50°-60°	1105.9	6.3
60°-70°	217.3	1.2
70°-80°	78.4	0.4
80°-90°	20.9	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°	17647.3	100.0
0°-180°	17647.3	100.0



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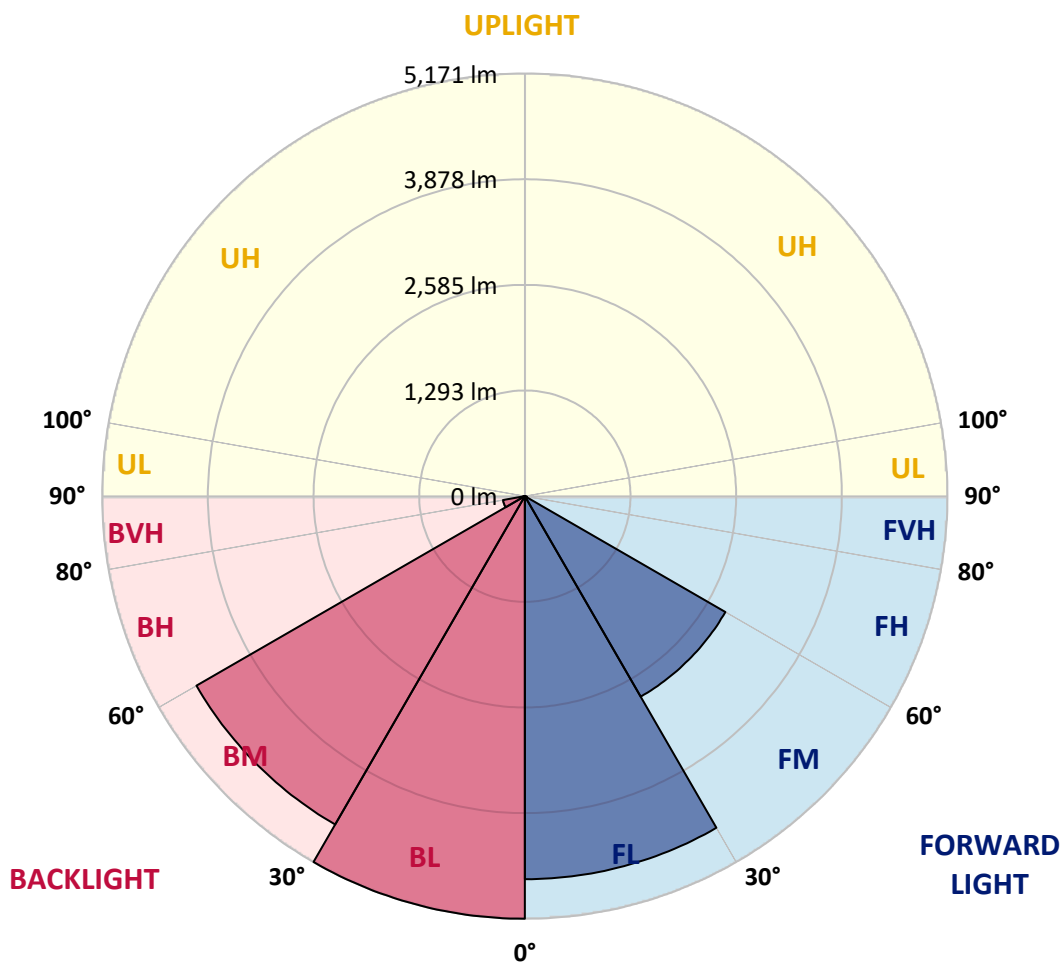
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4686.7	26.6			
FM (30°-60°)	2833.8	16.1			
FH (60°-80°)	24.0	0.1			G0/660
FVH (80°-90°)	3.5	0.0			G0/10
BL (0°-30°)	5170.8	29.3	B5		
BM (30°-60°)	4639.4	26.3	B3/5000		
BH (60°-80°)	271.7	1.5	B1/500		G1/500
BVH (80°-90°)	17.4	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°	15657.6	15657.6	15657.6	15657.6	15657.6	15657.6	15657.6	15657.6	15657.6	15657.6
2.5°	15635.1	15672.6	15530.0	15593.8	15620.1	15586.3	15710.1	15672.6	15702.6	15608.8
5°	15635.1	15672.6	15507.5	15537.5	15545.1	15481.3	15616.3	15571.3	15575.1	15477.5
7.5°	15537.5	15582.6	15432.5	15455.0	15458.8	15406.3	15522.5	15458.8	15436.3	15335.0
10°	15275.0	15301.2	15166.2	15222.4	15275.0	15226.2	15327.5	15256.2	15256.2	15166.2
12.5°	14858.6	14907.3	14757.3	14824.8	14869.8	14813.6	14929.9	14903.6	14907.3	14817.3
15°	14100.8	13932.0	14112.1	14247.1	14250.9	14239.6	14348.4	14322.2	14340.9	14205.9
17.5°	10417.1	10375.9	10585.9	12180.2	13365.6	13526.9	13545.7	13403.1	13339.3	13208.0
20°	9651.9	9681.9	9636.9	9644.4	10578.4	12517.8	12401.5	12048.9	11887.6	11756.3
22.5°	9093.0	9044.2	9014.2	8995.4	9021.7	10285.8	11122.4	10589.7	10503.4	10439.6
25°	8485.3	8462.8	8425.2	8417.7	8402.7	8188.9	9393.1	9441.8	9303.0	9224.2
27.5°	7918.8	7903.8	7862.6	7858.8	7686.2	7168.6	7299.9	8459.0	8421.5	8391.5
30°	7314.9	7284.9	7262.4	7262.4	6740.9	6208.3	5994.4	7374.9	7374.9	7348.6
32.5°	6658.4	6632.2	6639.7	6549.6	5926.9	5439.3	5101.7	6365.8	6759.7	6737.2
35°	4070.1	4062.6	4824.1	5825.6	5094.2	4651.5	4629.0	5446.8	6020.7	6080.7
37.5°	3623.7	3601.2	3612.4	3676.2	4362.7	4186.4	4178.9	4317.7	5124.2	5154.2
40°	3252.3	3237.3	3226.0	2997.2	2779.7	3736.2	3710.0	3619.9	4377.7	4430.2
42.5°	2899.7	2884.7	2884.7	2562.1	2209.5	3072.2	3083.5	2978.5	3691.2	3710.0
45°	2535.8	2524.6	2460.8	2044.4	1943.1	2040.7	2554.6	2434.5	2929.7	3124.8
47.5°	1196.6	1189.1	1721.8	1699.3	1691.8	1631.8	1950.6	2018.2	2325.8	2520.8
50°	960.3	952.8	907.8	799.0	1391.7	1237.9	1406.7	1553.0	1650.5	1830.6
52.5°	795.3	787.8	694.0	615.2	772.8	904.0	840.3	1039.1	1035.3	1230.4
55°	521.4	483.9	532.7	502.7	405.1	656.5	641.5	787.8	769.0	937.8
57.5°	11.3	11.3	26.3	285.1	255.1	277.6	367.6	450.1	506.4	555.2
60°	3.8	3.8	7.5	15.0	105.0	116.3	142.5	165.1	232.6	288.8
62.5°	0.0	0.0	3.8	7.5	15.0	60.0	67.5	78.8	108.8	150.0
65°	0.0	0.0	0.0	3.8	7.5	15.0	22.5	48.8	67.5	86.3
67.5°	0.0	0.0	0.0	3.8	3.8	7.5	15.0	22.5	30.0	60.0
70°	0.0	0.0	0.0	3.8	3.8	7.5	11.3	15.0	22.5	30.0
72.5°	0.0	0.0	0.0	3.8	3.8	11.3	7.5	11.3	15.0	18.8
75°	0.0	0.0	0.0	3.8	3.8	3.8	7.5	11.3	11.3	15.0
77.5°	0.0	0.0	0.0	3.8	7.5	7.5	7.5	7.5	7.5	11.3
80°	0.0	0.0	0.0	3.8	3.8	7.5	11.3	15.0	7.5	7.5
82.5°	0.0	0.0	0.0	7.5	3.8	15.0	22.5	18.8	7.5	3.8
85°	0.0	0.0	0.0	3.8	15.0	18.8	18.8	11.3	3.8	3.8
87.5°	0.0	0.0	0.0	3.8	3.8	7.5	11.3	11.3	3.8	3.8
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°
15657.6	0°	15657.6	15657.6	15657.6	15657.6	15657.6	15657.6	15657.6	15657.6	15657.6
15601.3	2.5°	15515.0	15661.3	15792.6	15710.1	15680.1	15620.1	15575.1	15526.3	15522.5
15466.3	5°	15380.0	15518.8	15646.3	15548.8	15556.3	15526.3	15496.3	15485.0	15492.5
15327.5	7.5°	15263.7	15380.0	15518.8	15436.3	15458.8	15440.0	15425.0	15402.5	15436.3
15147.4	10°	15087.4	15192.4	15353.7	15275.0	15263.7	15245.0	15229.9	15188.7	15207.4
14821.1	12.5°	14701.0	14832.3	15016.1	14926.1	14956.1	14903.6	14881.1	14854.8	14858.6
14254.6	15°	14175.9	14277.1	14464.7	14393.4	14415.9	14382.2	14382.2	14382.2	14408.4
13226.8	17.5°	13260.6	13466.9	13763.2	13673.2	13707.0	13714.5	13707.0	13733.2	13767.0
11763.8	20°	11771.3	12123.9	12664.1	12840.4	12911.7	12915.4	12862.9	12926.7	12994.2
10394.6	22.5°	10402.1	10773.5	11249.9	11733.8	12033.9	12018.9	12026.4	12067.7	12138.9
9175.5	25°	9216.7	9573.1	10004.5	10435.9	11092.4	11227.4	11231.1	11268.7	11324.9
8342.7	27.5°	8361.5	8500.3	8894.1	9329.3	10034.5	10465.9	10443.4	10477.2	10537.2
7299.9	30°	7329.9	7862.6	7952.6	8218.9	8826.6	9618.1	9621.9	9659.4	9719.4
6684.7	32.5°	6665.9	7018.5	7296.1	7303.6	7821.3	8635.3	8796.6	8834.1	8875.4
6047.0	35°	6043.2	6084.5	6459.6	6564.6	6864.7	7671.2	7956.3	7978.8	8046.4
5142.9	37.5°	5229.2	5473.0	5578.1	5953.2	5968.2	6620.9	7187.3	7164.8	7217.3
4426.4	40°	4482.7	4715.3	4981.6	5255.5	5293.0	5780.6	6407.1	6429.6	6452.1
3672.4	42.5°	3702.5	3998.8	4272.6	4456.4	4711.5	4992.9	5589.3	5694.4	5746.9
3147.3	45°	3203.5	3286.1	3612.4	3882.5	4141.3	4272.6	4831.6	5022.9	5056.6
2490.8	47.5°	2524.6	2802.2	3023.5	3252.3	3574.9	3691.2	4096.3	4362.7	4388.9
1849.4	50°	1950.6	2149.4	2453.3	2659.6	3034.7	3098.5	3376.1	3721.2	3755.0
1237.9	52.5°	1395.5	1665.5	1961.9	2160.7	2520.8	2603.3	2809.7	3139.8	3162.3
949.1	55°	1001.6	1177.9	1421.7	1706.8	1969.4	2153.2	2295.7	2610.8	2640.9
622.7	57.5°	682.7	847.8	949.1	1234.2	1391.7	1590.5	1706.8	1946.9	1969.4
296.3	60°	326.4	405.1	483.9	626.5	727.7	896.5	971.6	1069.1	1095.4
180.1	62.5°	210.1	247.6	315.1	375.1	472.7	577.7	607.7	690.2	720.2
112.5	65°	138.8	176.3	247.6	262.6	360.1	442.6	480.2	540.2	573.9
67.5	67.5°	78.8	123.8	183.8	217.6	285.1	363.9	405.1	457.6	487.7
45.0	70°	52.5	101.3	146.3	180.1	225.1	292.6	345.1	390.1	408.9
22.5	72.5°	30.0	63.8	101.3	142.5	180.1	243.8	292.6	330.1	217.6
15.0	75°	18.8	48.8	86.3	120.0	150.0	195.1	236.3	232.6	97.5
11.3	77.5°	15.0	37.5	75.0	101.3	123.8	135.0	168.8	191.3	75.0
7.5	80°	11.3	30.0	67.5	86.3	48.8	97.5	131.3	142.5	52.5
7.5	82.5°	7.5	18.8	56.3	60.0	33.8	71.3	105.0	93.8	37.5
3.8	85°	3.8	11.3	18.8	33.8	30.0	33.8	26.3	37.5	26.3
3.8	87.5°	3.8	7.5	15.0	15.0	15.0	11.3	15.0	15.0	15.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



180°
15657.6
15612.6
15586.3
15530.0
15297.5
14967.4
14419.7
13879.5
13039.2
12150.2
11422.5
10593.4
9824.4
8969.2
8117.6
7281.1
6523.4
5821.9
5139.2
4452.7
3803.7
3203.5
2667.1
2014.4
1125.4
727.7
573.9
483.9
405.1
176.3
97.5
75.0
56.3
37.5
26.3
15.0
0.0

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