

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: P636642

Luminaire Tested: **IFLD-L-SA7B-935-U-66-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636642
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7B-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: 18827.5 lumens
Efficiency: N/A
Efficacy: 67.0 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G1

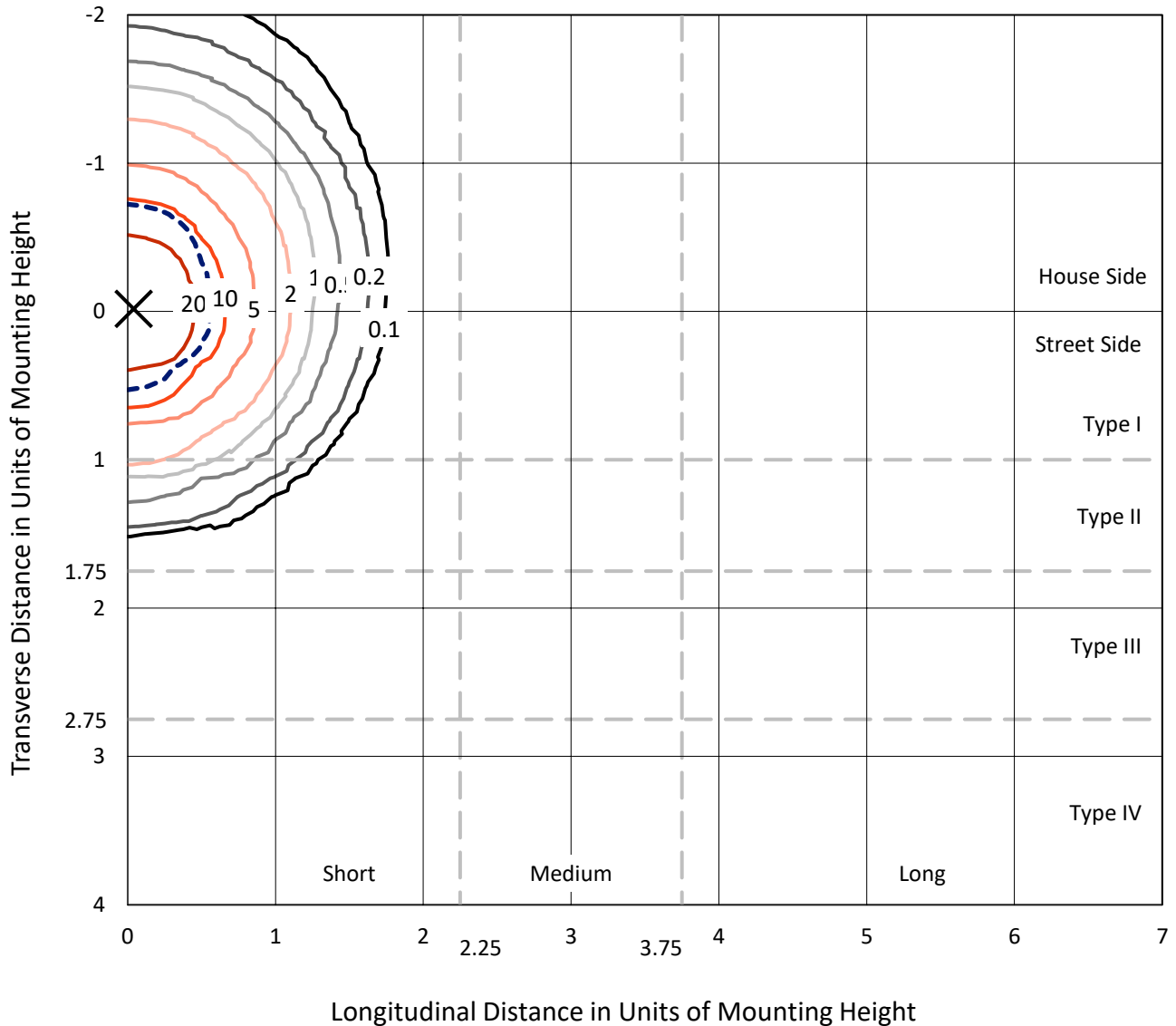
Input Watts (W): 281
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

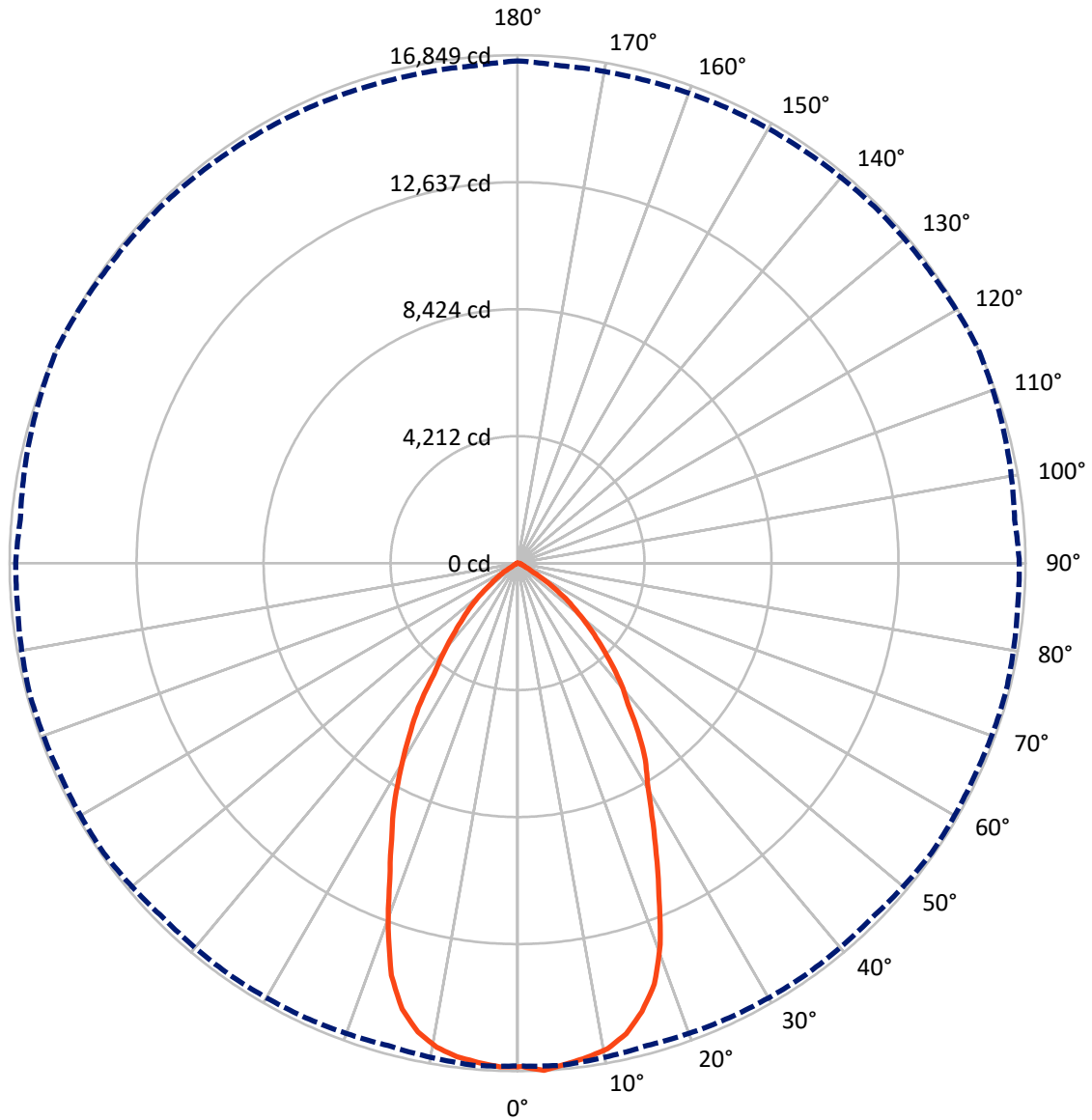
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 41.8 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	10774.7	0.0	10774.7
	% Fixture	57.2	0.0	57.2
Street Side	Lumens	8052.8	0.0	8052.8
	% Fixture	42.8	0.0	42.8
Total	Lumens	18827.5	0.0	18827.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1573.4	8.4
10°-20°	4171.8	22.2
20°-30°	4771.7	25.3
30°-40°	4089.2	21.7
40°-50°	2703.9	14.4
50°-60°	1179.9	6.3
60°-70°	231.8	1.2
70°-80°	83.6	0.4
80°-90°	22.2	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°	18827.5	100.0
0°-180°	18827.5	100.0



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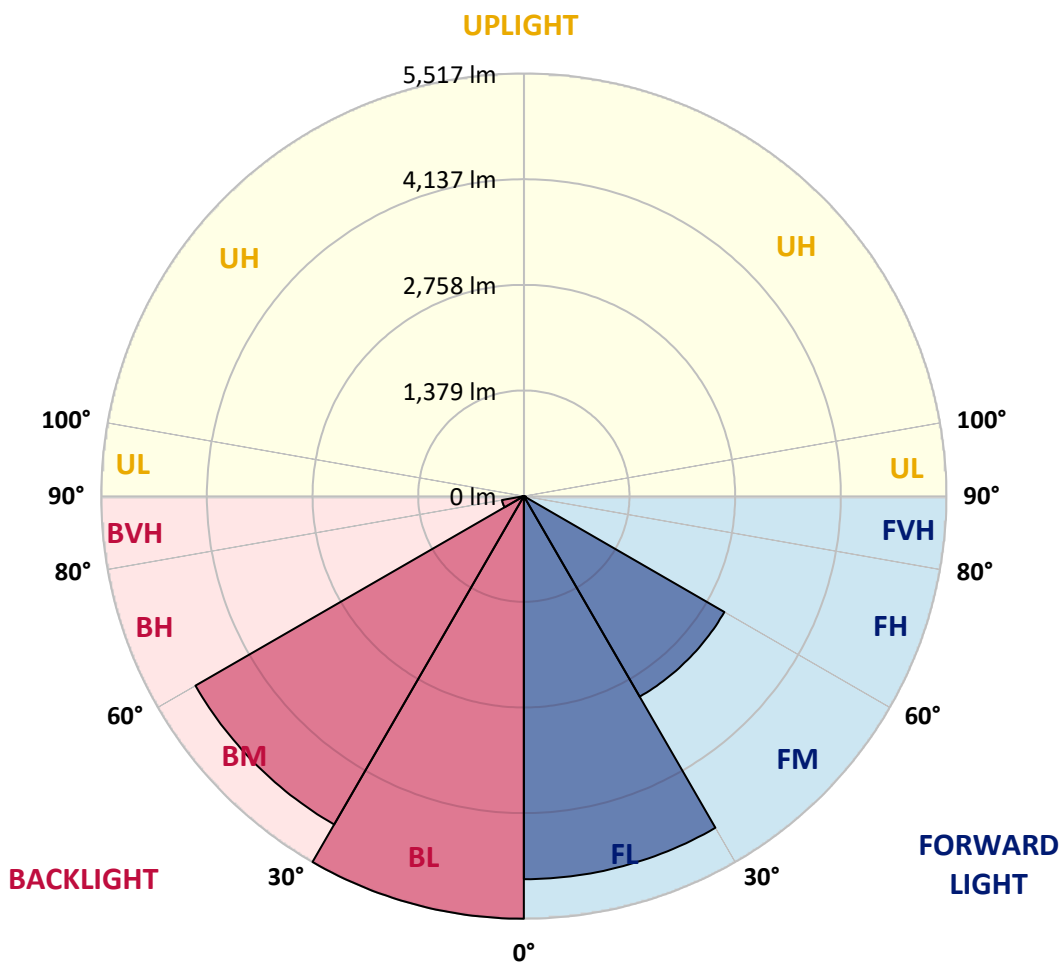
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5000.2	26.6			
FM (30°-60°)	3023.3	16.1			
FH (60°-80°)	25.6	0.1			G0/660
FVH (80°-90°)	3.7	0.0			G0/10
BL (0°-30°)	5516.6	29.3	B5		
BM (30°-60°)	4949.7	26.3	B3/5000		
BH (60°-80°)	289.9	1.5	B1/500		G1/500
BVH (80°-90°)	18.6	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°	16704.8	16704.8	16704.8	16704.8	16704.8	16704.8	16704.8	16704.8	16704.8	16704.8
2.5°	16680.7	16720.8	16568.7	16636.7	16664.7	16628.7	16760.8	16720.8	16752.8	16652.7
5°	16680.7	16720.8	16544.7	16576.7	16584.7	16516.7	16660.7	16612.7	16616.7	16512.7
7.5°	16576.7	16624.7	16464.6	16488.6	16492.6	16436.6	16560.7	16492.6	16468.6	16360.6
10°	16296.5	16324.6	16180.5	16240.5	16296.5	16244.5	16352.6	16276.5	16276.5	16180.5
12.5°	15852.3	15904.3	15744.3	15816.3	15864.3	15804.3	15928.3	15900.3	15904.3	15808.3
15°	15043.9	14863.8	15055.9	15200.0	15204.0	15192.0	15308.0	15280.0	15300.0	15155.9
17.5°	11113.8	11069.8	11293.9	12994.8	14259.5	14431.6	14451.6	14299.5	14231.5	14091.4
20°	10297.4	10329.4	10281.4	10289.4	11285.9	13355.0	13230.9	12854.7	12682.6	12542.6
22.5°	9701.1	9649.1	9617.0	9597.0	9625.0	10973.8	11866.2	11297.9	11205.9	11137.8
25°	9052.7	9028.7	8988.7	8980.7	8964.7	8736.6	10021.3	10073.3	9925.2	9841.2
27.5°	8448.4	8432.4	8388.4	8384.4	8200.3	7648.0	7788.1	9024.7	8984.7	8952.7
30°	7804.1	7772.1	7748.1	7748.1	7191.8	6623.5	6395.4	7868.1	7868.1	7840.1
32.5°	7103.7	7075.7	7083.7	6987.7	6323.3	5803.0	5442.9	6791.6	7211.8	7187.8
35°	4342.3	4334.3	5146.7	6215.3	5434.8	4962.6	4938.6	5811.0	6423.4	6487.4
37.5°	3866.0	3842.0	3854.0	3922.1	4654.4	4466.3	4458.3	4606.4	5466.9	5498.9
40°	3469.8	3453.8	3441.8	3197.7	2965.6	3986.1	3958.1	3862.0	4670.4	4726.5
42.5°	3093.6	3077.6	3077.6	2733.4	2357.2	3277.7	3289.7	3177.7	3938.1	3958.1
45°	2705.4	2693.4	2625.4	2181.1	2073.1	2177.1	2725.4	2597.4	3125.6	3333.7
47.5°	1276.7	1268.7	1837.0	1813.0	1804.9	1740.9	2081.1	2153.1	2481.3	2689.4
50°	1024.5	1016.5	968.5	852.4	1484.8	1320.7	1500.8	1656.9	1760.9	1953.0
52.5°	848.4	840.4	740.4	656.3	824.4	964.5	896.5	1108.6	1104.6	1312.7
55°	556.3	516.3	568.3	536.3	432.2	700.4	684.4	840.4	820.4	1000.5
57.5°	12.0	12.0	28.0	304.2	272.1	296.2	392.2	480.3	540.3	592.3
60°	4.0	4.0	8.0	16.0	112.1	124.1	152.1	176.1	248.1	308.2
62.5°	0.0	0.0	4.0	8.0	16.0	64.0	72.0	84.0	116.1	160.1
65°	0.0	0.0	0.0	4.0	8.0	16.0	24.0	52.0	72.0	92.0
67.5°	0.0	0.0	0.0	4.0	4.0	8.0	16.0	24.0	32.0	64.0
70°	0.0	0.0	0.0	4.0	4.0	8.0	12.0	16.0	24.0	32.0
72.5°	0.0	0.0	0.0	4.0	4.0	12.0	8.0	12.0	16.0	20.0
75°	0.0	0.0	0.0	4.0	4.0	4.0	8.0	12.0	12.0	16.0
77.5°	0.0	0.0	0.0	4.0	8.0	8.0	8.0	8.0	8.0	12.0
80°	0.0	0.0	0.0	4.0	4.0	8.0	12.0	16.0	8.0	8.0
82.5°	0.0	0.0	0.0	8.0	4.0	16.0	24.0	20.0	8.0	4.0
85°	0.0	0.0	0.0	4.0	16.0	20.0	20.0	12.0	4.0	4.0
87.5°	0.0	0.0	0.0	4.0	4.0	8.0	12.0	12.0	4.0	4.0
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°
16704.8	0°	16704.8	16704.8	16704.8	16704.8	16704.8	16704.8	16704.8	16704.8	16704.8
16644.7	2.5°	16552.7	16708.8	16848.8	16760.8	16728.8	16664.7	16616.7	16564.7	16560.7
16500.6	5°	16408.6	16556.7	16692.7	16588.7	16596.7	16564.7	16532.7	16520.7	16528.7
16352.6	7.5°	16284.5	16408.6	16556.7	16468.6	16492.6	16472.6	16456.6	16432.6	16468.6
16160.5	10°	16096.4	16208.5	16380.6	16296.5	16284.5	16264.5	16248.5	16204.5	16224.5
15812.3	12.5°	15684.2	15824.3	16020.4	15924.3	15956.4	15900.3	15876.3	15848.3	15852.3
15208.0	15°	15123.9	15232.0	15432.1	15356.0	15380.1	15344.0	15344.0	15344.0	15372.1
14111.4	17.5°	14147.4	14367.5	14683.7	14587.6	14623.7	14631.7	14623.7	14651.7	14687.7
12550.6	20°	12558.6	12934.8	13511.1	13699.2	13775.2	13779.2	13723.2	13791.2	13863.3
11089.8	22.5°	11097.8	11494.0	12002.3	12518.6	12838.7	12822.7	12830.7	12874.7	12950.8
9789.1	25°	9833.2	10213.4	10673.6	11133.8	11834.2	11978.3	11982.3	12022.3	12082.3
8900.7	27.5°	8920.7	9068.8	9489.0	9953.2	10705.6	11165.9	11141.8	11177.9	11241.9
7788.1	30°	7820.1	8388.4	8484.4	8768.6	9416.9	10261.4	10265.4	10305.4	10369.4
7131.7	32.5°	7111.7	7487.9	7784.1	7792.1	8344.4	9212.8	9384.9	9424.9	9469.0
6451.4	35°	6447.4	6491.4	6891.6	7003.7	7323.8	8184.3	8488.4	8512.5	8584.5
5486.9	37.5°	5578.9	5839.1	5951.1	6351.3	6367.3	7063.7	7668.0	7644.0	7700.0
4722.5	40°	4782.5	5030.6	5314.8	5606.9	5647.0	6167.2	6835.6	6859.6	6883.6
3918.1	42.5°	3950.1	4266.2	4558.4	4754.5	5026.6	5326.8	5963.1	6075.2	6131.2
3357.8	45°	3417.8	3505.8	3854.0	4142.2	4418.3	4558.4	5154.7	5358.8	5394.8
2657.4	47.5°	2693.4	2989.6	3225.7	3469.8	3814.0	3938.1	4370.3	4654.4	4682.5
1973.0	50°	2081.1	2293.2	2617.4	2837.5	3237.7	3305.7	3601.9	3970.1	4006.1
1320.7	52.5°	1488.8	1776.9	2093.1	2305.2	2689.4	2777.5	2997.6	3349.8	3373.8
1012.5	55°	1068.6	1256.7	1516.8	1821.0	2101.1	2297.2	2449.3	2785.5	2817.5
664.3	57.5°	728.4	904.5	1012.5	1316.7	1484.8	1696.9	1821.0	2077.1	2101.1
316.2	60°	348.2	432.2	516.3	668.4	776.4	956.5	1036.5	1140.6	1168.6
192.1	62.5°	224.1	264.1	336.2	400.2	504.3	616.3	648.3	736.4	768.4
120.1	65°	148.1	188.1	264.1	280.1	384.2	472.2	512.3	576.3	612.3
72.0	67.5°	84.0	132.1	196.1	232.1	304.2	388.2	432.2	488.3	520.3
48.0	70°	56.0	108.1	156.1	192.1	240.1	312.2	368.2	416.2	436.2
24.0	72.5°	32.0	68.0	108.1	152.1	192.1	260.1	312.2	352.2	232.1
16.0	75°	20.0	52.0	92.0	128.1	160.1	208.1	252.1	248.1	104.1
12.0	77.5°	16.0	40.0	80.0	108.1	132.1	144.1	180.1	204.1	80.0
8.0	80°	12.0	32.0	72.0	92.0	52.0	104.1	140.1	152.1	56.0
8.0	82.5°	8.0	20.0	60.0	64.0	36.0	76.0	112.1	100.1	40.0
4.0	85°	4.0	12.0	20.0	36.0	32.0	36.0	28.0	40.0	28.0
4.0	87.5°	4.0	8.0	16.0	16.0	16.0	12.0	16.0	16.0	16.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



180°
16704.8
16656.7
16628.7
16568.7
16320.6
15968.4
15384.1
14807.8
13911.3
12962.8
12186.4
11301.9
10481.5
9569.0
8660.5
7768.1
6959.6
6211.3
5482.9
4750.5
4058.1
3417.8
2845.5
2149.1
1200.6
776.4
612.3
516.3
432.2
188.1
104.1
80.0
60.0
40.0
28.0
16.0
0.0

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