

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: P636661

Luminaire Tested: **IFLD-S-SA6B-940-U-66-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636661
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6B-940-U-66-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 6 distribution lens and Visor
Light Source: (96) 4000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19204.7 lumens
Efficiency: N/A
Efficacy: 78.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G1

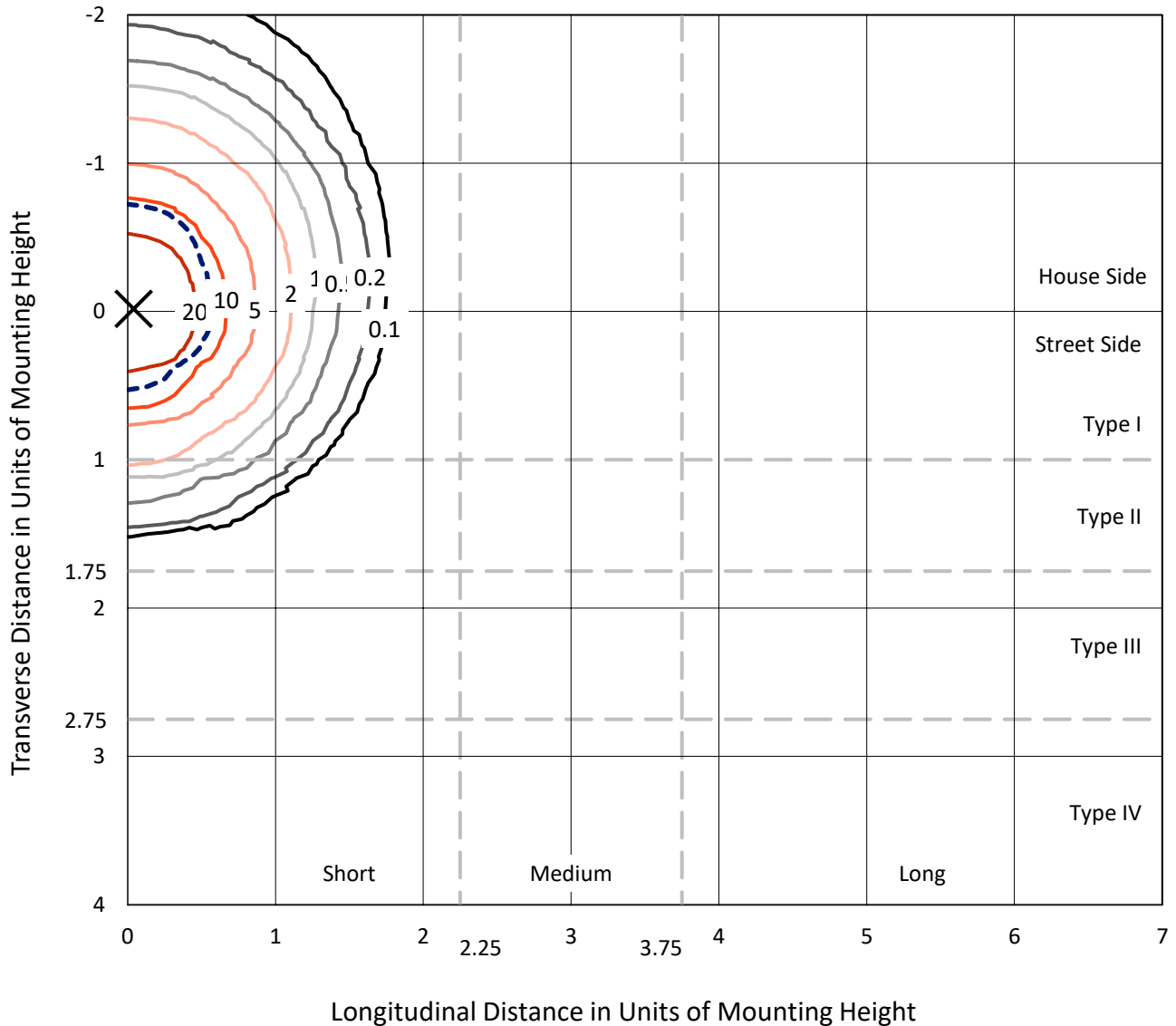
Input Watts (W): 244.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

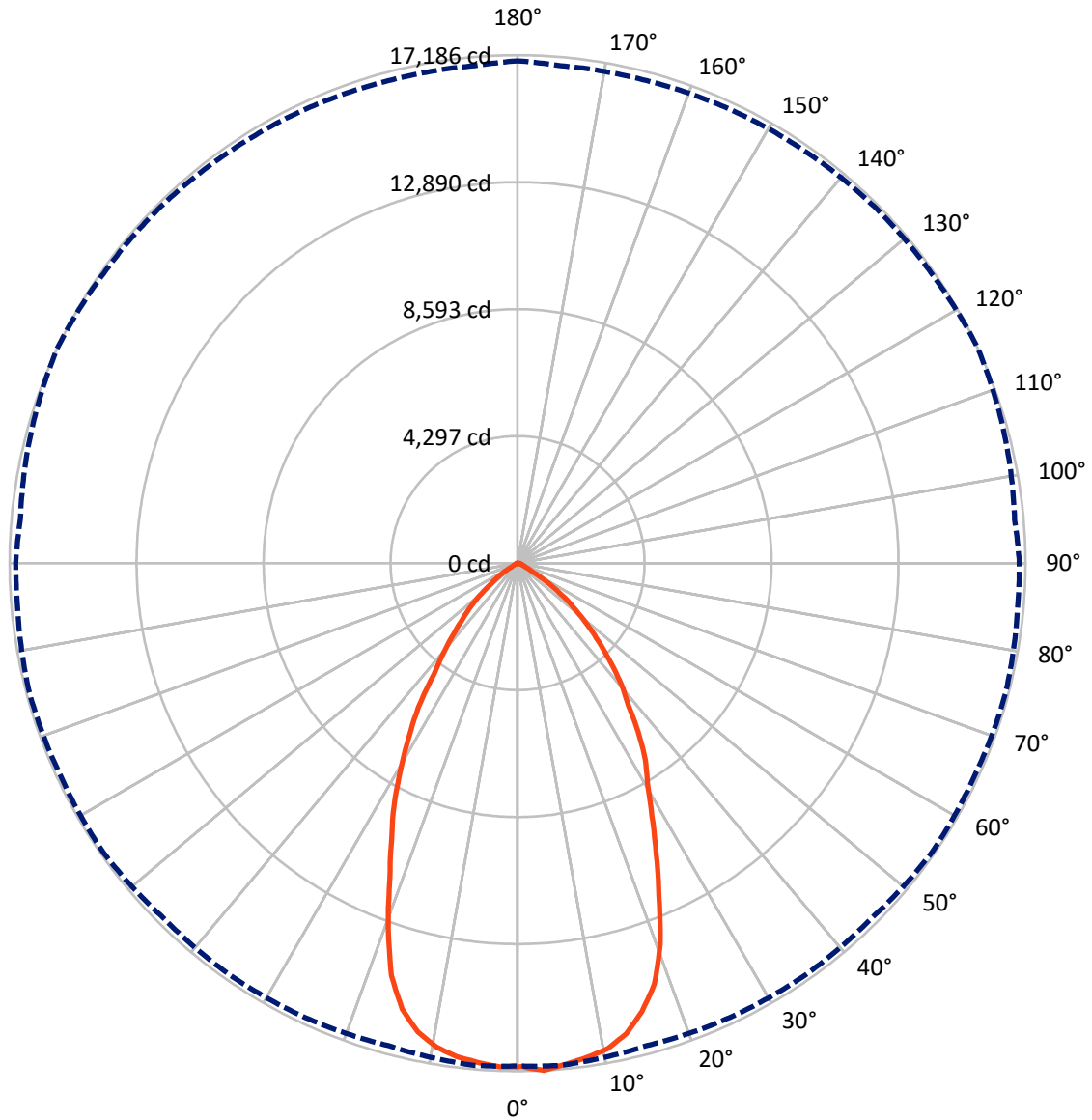
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 42.6 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	10990.6	0.0	10990.6
	% Fixture	57.2	0.0	57.2
Street Side	Lumens	8214.1	0.0	8214.1
	% Fixture	42.8	0.0	42.8
Total	Lumens	19204.7	0.0	19204.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1604.9	8.4
10°-20°	4255.4	22.2
20°-30°	4867.3	25.3
30°-40°	4171.1	21.7
40°-50°	2758.1	14.4
50°-60°	1203.5	6.3
60°-70°	236.5	1.2
70°-80°	85.3	0.4
80°-90°	22.7	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°	19204.7	100.0
0°-180°	19204.7	100.0



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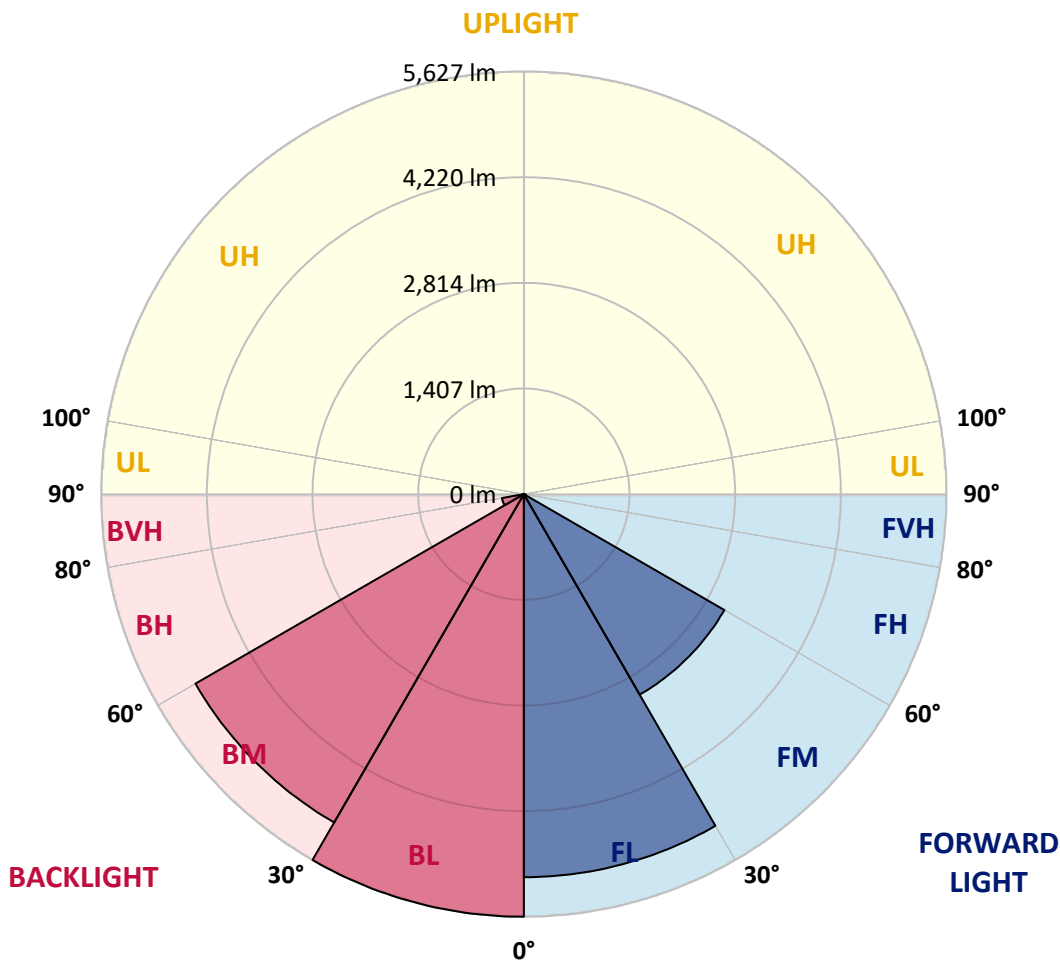
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5100.4	26.6			
FM (30°-60°)	3083.9	16.1			
FH (60°-80°)	26.1	0.1			G0/660
FVH (80°-90°)	3.8	0.0			G0/10
BL (0°-30°)	5627.2	29.3	B5		
BM (30°-60°)	5048.8	26.3	B4/8500		
BH (60°-80°)	295.7	1.5	B1/500		G1/500
BVH (80°-90°)	18.9	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°	17039.4	17039.4	17039.4	17039.4	17039.4	17039.4	17039.4	17039.4	17039.4	17039.4
2.5°	17014.9	17055.7	16900.6	16970.0	16998.6	16961.9	17096.6	17055.7	17088.4	16986.3
5°	17014.9	17055.7	16876.1	16908.8	16916.9	16847.6	16994.5	16945.5	16949.6	16843.5
7.5°	16908.8	16957.8	16794.5	16819.0	16823.1	16765.9	16892.5	16823.1	16798.6	16688.3
10°	16623.0	16651.6	16504.6	16565.9	16623.0	16570.0	16680.2	16602.6	16602.6	16504.6
12.5°	16169.9	16223.0	16059.7	16133.2	16182.1	16120.9	16247.5	16218.9	16223.0	16125.0
15°	15345.3	15161.6	15357.5	15504.5	15508.6	15496.3	15614.7	15586.1	15606.5	15459.6
17.5°	11336.5	11291.6	11520.2	13255.1	14545.1	14720.7	14741.1	14586.0	14516.6	14373.7
20°	10503.7	10536.4	10487.4	10495.5	11512.0	13622.6	13496.0	13112.3	12936.7	12793.9
22.5°	9895.4	9842.4	9809.7	9789.3	9817.9	11193.6	12103.9	11524.3	11430.4	11361.0
25°	9234.1	9209.6	9168.8	9160.6	9144.3	8911.6	10222.0	10275.1	10124.0	10038.3
27.5°	8617.7	8601.4	8556.4	8552.4	8364.6	7801.2	7944.1	9205.5	9164.7	9132.1
30°	7960.4	7927.8	7903.3	7903.3	7335.8	6756.2	6523.5	8025.8	8025.8	7997.2
32.5°	7246.0	7217.5	7225.6	7127.7	6450.0	5919.3	5551.9	6927.6	7356.3	7331.8
35°	4429.3	4421.1	5249.8	6339.8	5543.7	5062.0	5037.5	5927.5	6552.1	6617.4
37.5°	3943.5	3919.0	3931.2	4000.6	4747.7	4555.8	4547.7	4698.7	5576.4	5609.0
40°	3539.3	3523.0	3510.8	3261.7	3025.0	4065.9	4037.4	3939.4	4764.0	4821.2
42.5°	3155.6	3139.3	3139.3	2788.2	2404.5	3343.4	3355.6	3241.3	4017.0	4037.4
45°	2759.6	2747.4	2678.0	2224.8	2114.6	2220.8	2780.0	2649.4	3188.3	3400.5
47.5°	1302.2	1294.1	1873.8	1849.3	1841.1	1775.8	2122.8	2196.3	2531.0	2743.3
50°	1045.1	1036.9	987.9	869.5	1514.5	1347.2	1530.9	1690.1	1796.2	1992.2
52.5°	865.4	857.3	755.2	669.5	840.9	983.8	914.4	1130.8	1126.7	1339.0
55°	567.4	526.6	579.7	547.0	440.9	714.4	698.1	857.3	836.9	1020.6
57.5°	12.2	12.2	28.6	310.3	277.6	302.1	400.1	489.9	551.1	604.2
60°	4.1	4.1	8.2	16.3	114.3	126.6	155.1	179.6	253.1	314.3
62.5°	0.0	0.0	4.1	8.2	16.3	65.3	73.5	85.7	118.4	163.3
65°	0.0	0.0	0.0	4.1	8.2	16.3	24.5	53.1	73.5	93.9
67.5°	0.0	0.0	0.0	4.1	4.1	8.2	16.3	24.5	32.7	65.3
70°	0.0	0.0	0.0	4.1	4.1	8.2	12.2	16.3	24.5	32.7
72.5°	0.0	0.0	0.0	4.1	4.1	12.2	8.2	12.2	16.3	20.4
75°	0.0	0.0	0.0	4.1	4.1	4.1	8.2	12.2	12.2	16.3
77.5°	0.0	0.0	0.0	4.1	8.2	8.2	8.2	8.2	8.2	12.2
80°	0.0	0.0	0.0	4.1	4.1	8.2	12.2	16.3	8.2	8.2
82.5°	0.0	0.0	0.0	8.2	4.1	16.3	24.5	20.4	8.2	4.1
85°	0.0	0.0	0.0	4.1	16.3	20.4	20.4	12.2	4.1	4.1
87.5°	0.0	0.0	0.0	4.1	4.1	8.2	12.2	12.2	4.1	4.1
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°
17039.4	0°	17039.4	17039.4	17039.4	17039.4	17039.4	17039.4	17039.4	17039.4	17039.4
16978.2	2.5°	16884.3	17043.5	17186.4	17096.6	17063.9	16998.6	16949.6	16896.5	16892.5
16831.2	5°	16737.3	16888.4	17027.2	16921.0	16929.2	16896.5	16863.9	16851.6	16859.8
16680.2	7.5°	16610.8	16737.3	16888.4	16798.6	16823.1	16802.6	16786.3	16761.8	16798.6
16484.2	10°	16418.9	16533.2	16708.8	16623.0	16610.8	16590.4	16574.0	16529.1	16549.5
16129.1	12.5°	15998.4	16141.3	16341.3	16243.4	16276.0	16218.9	16194.4	16165.8	16169.9
15512.6	15°	15426.9	15537.1	15741.3	15663.7	15688.2	15651.4	15651.4	15651.4	15680.0
14394.1	17.5°	14430.8	14655.4	14977.9	14879.9	14916.6	14924.8	14916.6	14945.2	14982.0
12802.0	20°	12810.2	13193.9	13781.8	13973.6	14051.2	14055.3	13998.1	14067.5	14141.0
11312.0	22.5°	11320.1	11724.3	12242.7	12769.4	13095.9	13079.6	13087.8	13132.7	13210.2
9985.2	25°	10030.2	10418.0	10887.4	11356.9	12071.3	12218.3	12222.3	12263.2	12324.4
9079.0	27.5°	9099.4	9250.4	9679.1	10152.6	10920.1	11389.5	11365.1	11401.8	11467.1
7944.1	30°	7976.8	8556.4	8654.4	8944.3	9605.6	10467.0	10471.0	10511.9	10577.2
7274.6	32.5°	7254.2	7637.9	7940.0	7948.2	8511.5	9397.4	9572.9	9613.8	9658.7
6580.6	35°	6576.5	6621.5	7029.7	7144.0	7470.6	8348.3	8658.5	8683.0	8756.5
5596.8	37.5°	5690.7	5956.0	6070.3	6478.6	6494.9	7205.2	7821.6	7797.1	7854.3
4817.1	40°	4878.3	5131.4	5421.3	5719.3	5760.1	6290.8	6972.5	6997.0	7021.5
3996.5	42.5°	4029.2	4351.7	4649.7	4849.7	5127.3	5433.5	6082.6	6196.9	6254.0
3425.0	45°	3486.3	3576.1	3931.2	4225.2	4506.8	4649.7	5258.0	5466.2	5502.9
2710.6	47.5°	2747.4	3049.5	3290.3	3539.3	3890.4	4017.0	4457.8	4747.7	4776.3
2012.6	50°	2122.8	2339.1	2669.8	2894.3	3302.6	3372.0	3674.0	4049.6	4086.4
1347.2	52.5°	1518.6	1812.5	2135.0	2351.4	2743.3	2833.1	3057.6	3416.9	3441.4
1032.8	55°	1090.0	1281.8	1547.2	1857.4	2143.2	2343.2	2498.4	2841.3	2873.9
677.7	57.5°	743.0	922.6	1032.8	1343.1	1514.5	1730.9	1857.4	2118.7	2143.2
322.5	60°	355.2	440.9	526.6	681.7	792.0	975.7	1057.3	1163.4	1192.0
195.9	62.5°	228.6	269.4	342.9	408.2	514.4	628.7	661.3	751.1	783.8
122.5	65°	151.0	191.9	269.4	285.8	391.9	481.7	522.5	587.8	624.6
73.5	67.5°	85.7	134.7	200.0	236.8	310.3	396.0	440.9	498.0	530.7
49.0	70°	57.2	110.2	159.2	195.9	244.9	318.4	375.6	424.6	445.0
24.5	72.5°	32.7	69.4	110.2	155.1	195.9	265.3	318.4	359.2	236.8
16.3	75°	20.4	53.1	93.9	130.6	163.3	212.3	257.2	253.1	106.1
12.2	77.5°	16.3	40.8	81.6	110.2	134.7	147.0	183.7	208.2	81.6
8.2	80°	12.2	32.7	73.5	93.9	53.1	106.1	142.9	155.1	57.2
8.2	82.5°	8.2	20.4	61.2	65.3	36.7	77.6	114.3	102.1	40.8
4.1	85°	4.1	12.2	20.4	36.7	32.7	36.7	28.6	40.8	28.6
4.1	87.5°	4.1	8.2	16.3	16.3	16.3	12.2	16.3	16.3	16.3
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



180°
17039.4
16990.4
16961.9
16900.6
16647.5
16288.3
15692.3
15104.4
14190.0
13222.5
12430.5
11528.3
10691.5
9760.7
8834.0
7923.7
7099.1
6335.7
5592.7
4845.7
4139.4
3486.3
2902.5
2192.2
1224.7
792.0
624.6
526.6
440.9
191.9
106.1
81.6
61.2
40.8
28.6
16.3
0.0

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