

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: P638317

Luminaire Tested: **IFLD-S-SA6E-722-U-LAM-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P638317
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6E-722-U-LAM-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/
Lambertian distribution lens and Visor
Light Source: (96) 2200K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28726.5 lumens
Efficiency: N/A
Efficacy: 61.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G3

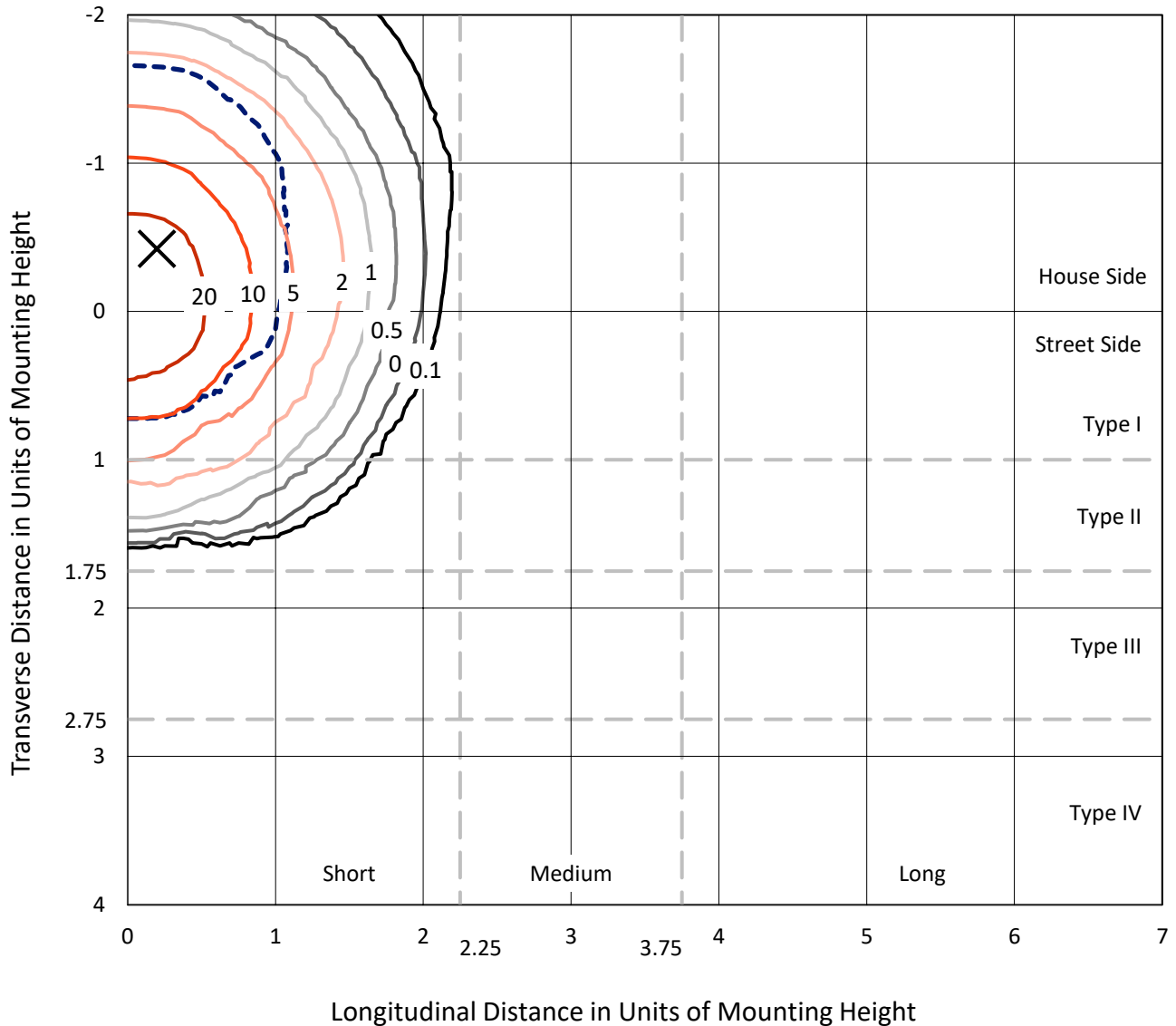
Input Watts (W): 464.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

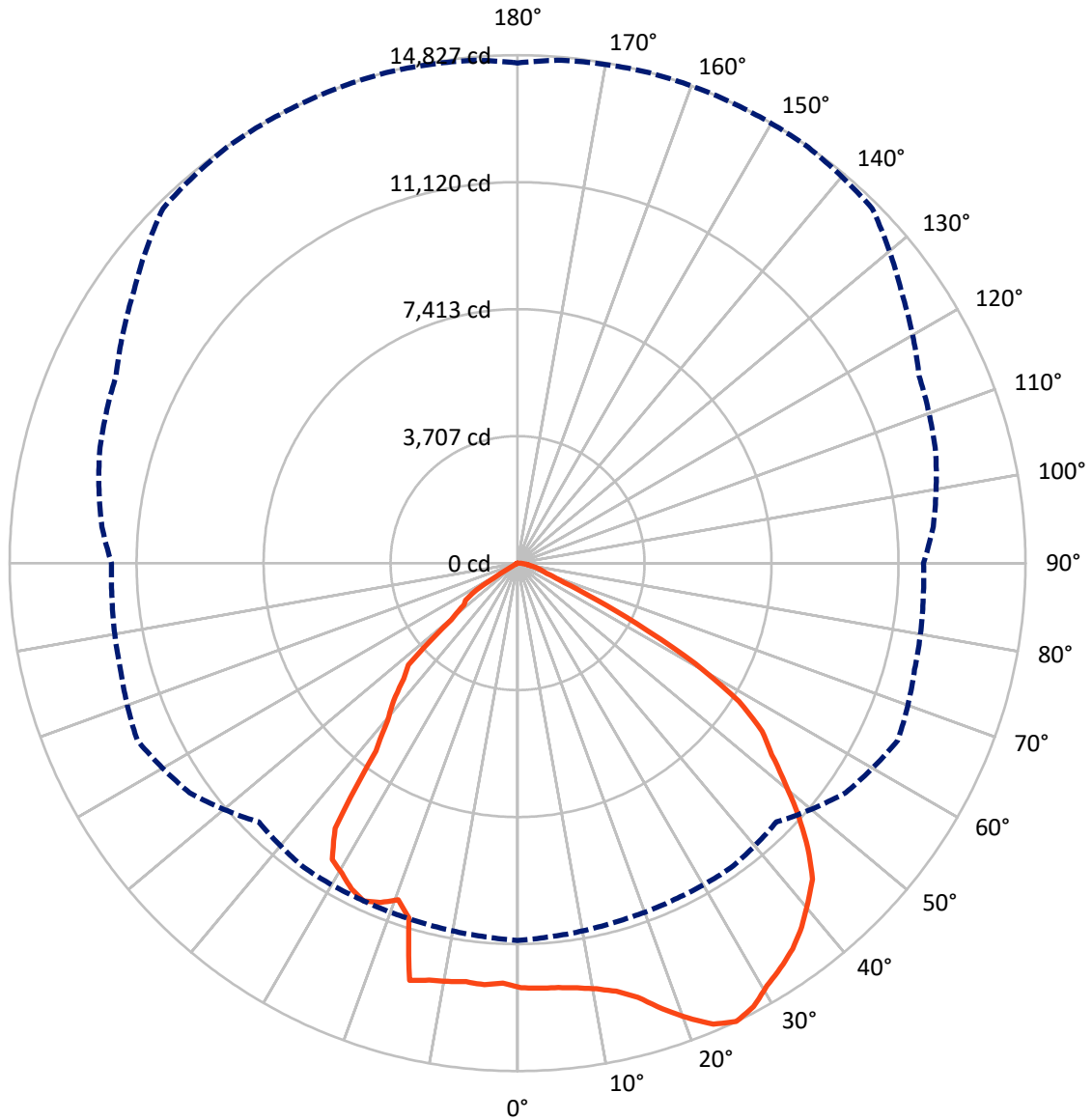
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 31 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 155-Deg Lateral - - - Horizontal Cone Through 25-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	17784.7	0.0	17784.7
	% Fixture	61.9	0.0	61.9
Street Side	Lumens	10941.8	0.0	10941.8
	% Fixture	38.1	0.0	38.1
Total	Lumens	28726.5	0.0	28726.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1189.1	4.1
10°-20°	3631.0	12.6
20°-30°	5740.3	20.0
30°-40°	6484.2	22.6
40°-50°	6072.6	21.1
50°-60°	4186.6	14.6
60°-70°	1124.8	3.9
70°-80°	234.4	0.8
80°-90°	63.4	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°	28726.5	100.0
0°-180°	28726.5	100.0



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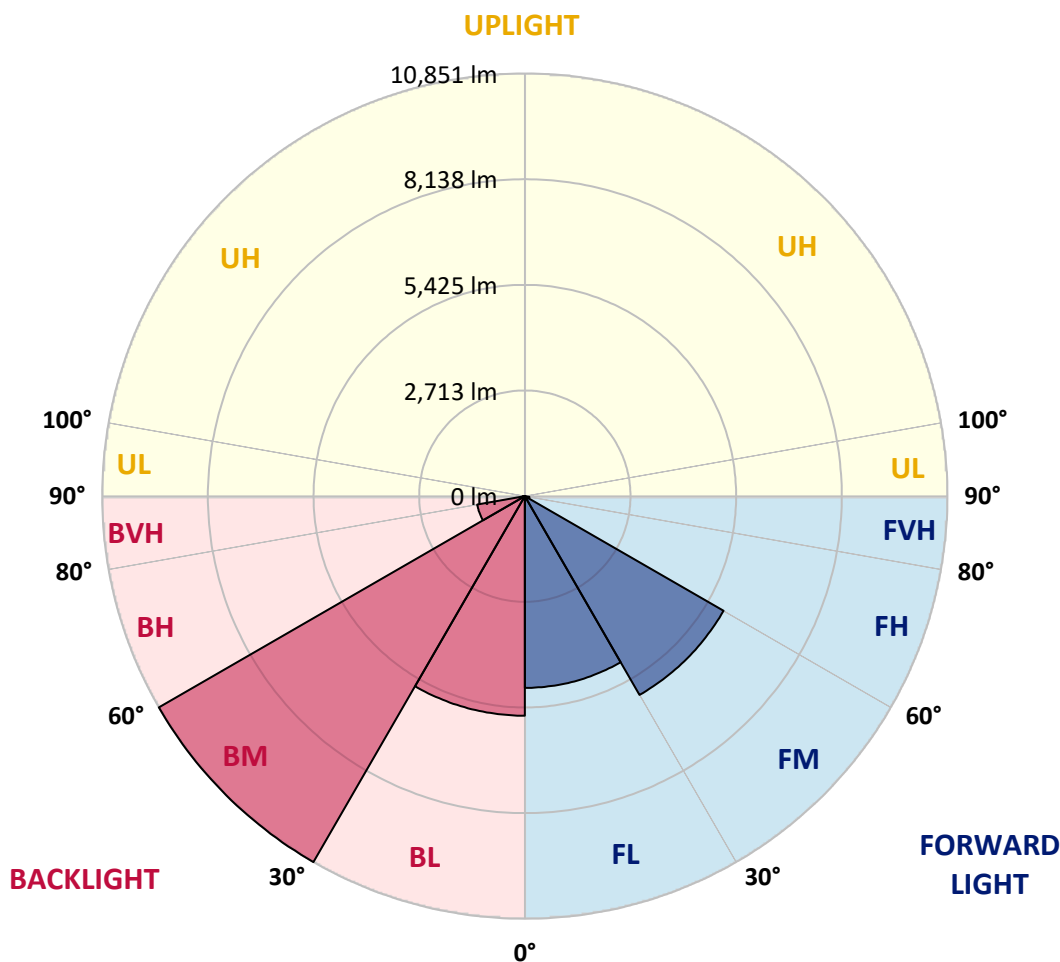
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4922.8	17.1			
FM (30°-60°)	5892.5	20.5			
FH (60°-80°)	118.1	0.4			G0/660
FVH (80°-90°)	8.5	0.0			G0/10
BL (0°-30°)	5637.6	19.6	B5		
BM (30°-60°)	10851.0	37.8	B5		
BH (60°-80°)	1241.1	4.3	B3/2500		G3/2500
BVH (80°-90°)	54.9	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-G3

Type I Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	12395.0	12395.0	12395.0	12395.0	12395.0	12395.0	12395.0	12395.0	12395.0	12395.0
2.5°	12449.9	12369.6	12293.7	12268.3	12373.9	12487.9	12416.1	12420.3	12395.0	12441.4
5°	12542.7	12433.0	12382.3	12344.3	12361.2	12479.4	12378.1	12416.1	12373.9	12428.8
7.5°	12509.0	12433.0	12382.3	12310.5	12365.4	12504.7	12407.6	12411.9	12390.8	12441.4
10°	12487.9	12433.0	12369.6	12378.1	12441.4	12559.6	12483.6	12525.9	12496.3	12525.9
12.5°	12538.5	12479.4	12445.6	12445.6	12500.5	12635.6	12597.6	12635.6	12623.0	12648.3
15°	12061.5	12116.3	12437.2	12580.7	12690.5	12825.6	12808.7	12846.7	12855.1	12893.1
17.5°	10174.4	10119.5	10094.1	10832.9	12796.0	13214.0	13201.3	13197.1	13154.9	13125.3
20°	10423.4	10402.3	10372.8	10427.7	10647.2	13416.6	13501.1	12981.8	12829.8	12817.2
22.5°	10820.3	10786.5	10676.7	10681.0	10748.5	11664.6	13083.1	12610.3	12559.6	12530.1
25°	11014.5	10946.9	10858.3	10832.9	10854.1	10685.2	11685.7	12247.2	11998.1	11884.2
27.5°	10672.5	10676.7	10605.0	10672.5	10592.3	9832.4	9406.0	11538.0	11529.5	11478.9
30°	10415.0	10402.3	10317.9	10402.3	9849.3	9000.7	8819.2	10761.2	10672.5	10605.0
32.5°	9625.5	9634.0	9878.8	10208.1	9300.5	8629.2	8080.4	9612.9	10453.0	10415.0
35°	6885.6	6902.5	7772.2	9397.6	8468.8	7890.4	7848.2	8308.4	10106.8	10123.7
37.5°	6628.1	6628.1	6607.0	6873.0	7814.4	7590.7	7675.1	7628.7	9258.2	9300.5
40°	6442.3	6404.4	6374.8	5956.9	5433.4	7379.6	7438.7	7227.6	8751.6	8760.1
42.5°	6218.6	6176.4	6184.8	5412.2	4863.4	6856.1	6691.4	6408.6	7907.3	7915.7
45°	5809.1	5880.9	5931.5	4736.8	4694.6	4897.2	6172.2	5994.8	7337.4	7493.6
47.5°	2955.2	3018.5	4631.2	4356.8	4453.9	4352.6	5213.8	5218.0	6104.6	6623.9
50°	2680.8	2663.9	2668.1	2541.5	4112.0	3520.9	3770.0	4783.2	4888.8	5631.8
52.5°	2499.3	2495.0	2237.5	1988.4	2583.7	3098.7	2735.7	3461.8	3634.9	4770.5
55°	1849.1	1984.2	1764.7	1870.2	1616.9	2482.4	2469.7	3124.1	3183.2	3824.9
57.5°	16.9	21.1	50.7	1422.7	1118.8	1241.2	1705.6	2132.0	2237.5	2980.5
60°	4.2	8.4	21.1	42.2	726.1	764.1	1139.9	1232.7	1388.9	1777.3
62.5°	0.0	0.0	8.4	21.1	38.0	312.4	363.1	396.8	612.1	907.7
65°	0.0	0.0	4.2	12.7	21.1	50.7	88.7	185.8	266.0	329.3
67.5°	0.0	0.0	4.2	8.4	16.9	25.3	50.7	71.8	114.0	194.2
70°	0.0	0.0	4.2	8.4	12.7	21.1	33.8	50.7	67.5	97.1
72.5°	0.0	0.0	4.2	8.4	8.4	25.3	25.3	38.0	50.7	63.3
75°	0.0	0.0	4.2	4.2	8.4	16.9	25.3	29.6	33.8	50.7
77.5°	0.0	0.0	4.2	8.4	12.7	16.9	21.1	33.8	29.6	29.6
80°	0.0	0.0	4.2	12.7	12.7	21.1	25.3	33.8	21.1	21.1
82.5°	0.0	0.0	4.2	16.9	12.7	42.2	42.2	46.4	16.9	16.9
85°	0.0	0.0	12.7	8.4	25.3	42.2	38.0	25.3	21.1	12.7
87.5°	0.0	0.0	4.2	4.2	8.4	12.7	29.6	25.3	8.4	8.4
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°
12395.0	0°	12395.0	12395.0	12395.0	12395.0	12395.0	12395.0	12395.0	12395.0	12395.0
12319.0	2.5°	12487.9	12433.0	12547.0	12534.3	12479.4	12454.1	12424.5	12399.2	12213.4
12327.4	5°	12492.1	12407.6	12547.0	12521.6	12513.2	12471.0	12445.6	12483.6	12314.8
12361.2	7.5°	12492.1	12407.6	12559.6	12568.1	12555.4	12521.6	12517.4	12542.7	12403.4
12420.3	10°	12576.5	12542.7	12669.4	12682.1	12665.2	12656.7	12635.6	12618.7	12471.0
12623.0	12.5°	12753.8	12686.3	12829.8	12867.8	12855.1	12876.3	12825.6	12850.9	12698.9
12829.8	15°	12969.1	12973.4	13083.1	13167.6	13159.1	13226.7	13150.7	13218.2	13108.5
13066.2	17.5°	13298.4	13344.9	13501.1	13627.7	13674.2	13724.8	13674.2	13695.3	13539.1
12804.5	20°	12952.2	13125.3	13876.8	14109.0	14206.1	14252.5	14168.1	14193.4	14037.2
12483.6	22.5°	12639.8	12863.6	13530.6	14256.8	14556.5	14649.4	14619.8	14615.6	14556.5
11850.4	25°	12179.7	12631.4	12931.1	13699.5	14640.9	14809.8	14826.7	14822.5	14733.8
11462.0	27.5°	11614.0	11715.3	12492.1	12960.7	14049.9	14691.6	14666.3	14543.8	14425.6
10655.6	30°	10892.0	11352.2	11702.6	12449.9	13285.8	14328.5	14328.5	14235.7	14113.2
10368.6	32.5°	10524.8	11120.0	11445.1	11715.3	12428.8	13923.2	14092.1	13995.0	13897.9
10144.8	35°	10330.6	10419.2	11179.1	11424.0	12027.7	13142.2	13826.1	13729.0	13657.3
9549.5	37.5°	9904.2	10111.0	10465.7	11120.0	11305.8	12504.7	13471.5	13420.9	13336.4
8777.0	40°	8954.3	9507.3	10051.9	10672.5	10866.7	11685.7	13040.9	13062.0	12948.0
7953.7	42.5°	8392.8	8768.5	9621.3	10039.3	10562.8	11158.0	12623.0	12656.7	12576.5
7535.8	45°	7734.2	8152.1	8751.6	9511.5	10225.0	10431.9	11884.2	12238.8	12171.2
6704.1	47.5°	7130.5	7468.2	8202.8	8971.2	9760.6	9731.1	11035.6	11702.6	11609.7
6066.6	50°	6273.5	6864.5	7210.7	7915.7	9093.6	9173.8	10132.1	11073.6	10997.6
5154.7	52.5°	5289.8	6032.8	6695.7	7341.6	8418.1	8608.1	9292.0	10431.9	10381.2
3938.9	55°	4622.8	5163.2	5910.4	6429.7	7599.1	8105.7	8663.0	9819.7	9794.4
3238.1	57.5°	3288.7	4331.5	4947.9	5674.0	6290.4	7206.5	7620.2	8574.3	8337.9
1794.2	60°	2229.1	2718.8	3470.3	4251.3	4665.0	5581.1	5965.3	6729.4	6666.1
1072.3	62.5°	1177.9	1629.6	2165.7	2558.4	2858.1	3748.9	3909.3	4732.6	4711.4
430.6	65°	519.3	688.1	1173.6	1376.3	1684.5	2098.2	2237.5	2533.0	2461.3
211.1	67.5°	270.2	409.5	662.8	814.8	1025.9	1182.1	1296.1	1388.9	1448.1
139.3	70°	164.6	299.7	409.5	565.7	705.0	831.7	920.3	1047.0	1123.0
71.8	72.5°	122.4	190.0	282.9	434.8	510.8	658.6	747.2	840.1	907.7
59.1	75°	67.5	126.7	228.0	342.0	409.5	536.2	616.4	679.7	700.8
33.8	77.5°	42.2	97.1	190.0	266.0	320.9	434.8	413.7	472.8	523.5
25.3	80°	29.6	71.8	147.8	219.5	223.8	278.6	329.3	380.0	413.7
16.9	82.5°	21.1	59.1	109.8	168.9	147.8	215.3	257.5	295.5	215.3
12.7	85°	16.9	42.2	54.9	101.3	84.4	152.0	130.9	126.7	84.4
8.4	87.5°	12.7	21.1	38.0	46.4	33.8	33.8	42.2	50.7	42.2
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



180°
12395.0
12086.8
12171.2
12243.0
12348.5
12563.8
12926.9
13404.0
13927.5
14366.5
14598.7
14332.8
14066.8
13817.7
13556.0
13252.0
12922.7
12568.1
12179.7
11677.3
11010.3
10415.0
9823.9
8312.6
6670.3
4715.7
2431.7
1448.1
1127.2
920.3
688.1
531.9
418.0
156.2
84.4
42.2
0.0

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