

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: P637982

Luminaire Tested: **IFLD-L-SA8C-760-U-66-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P637982
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8C-760-U-66-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 6 distribution lens and Visor
Light Source: (128) 5700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 43698.8 lumens
Efficiency: N/A
Efficacy: 104.0 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G3

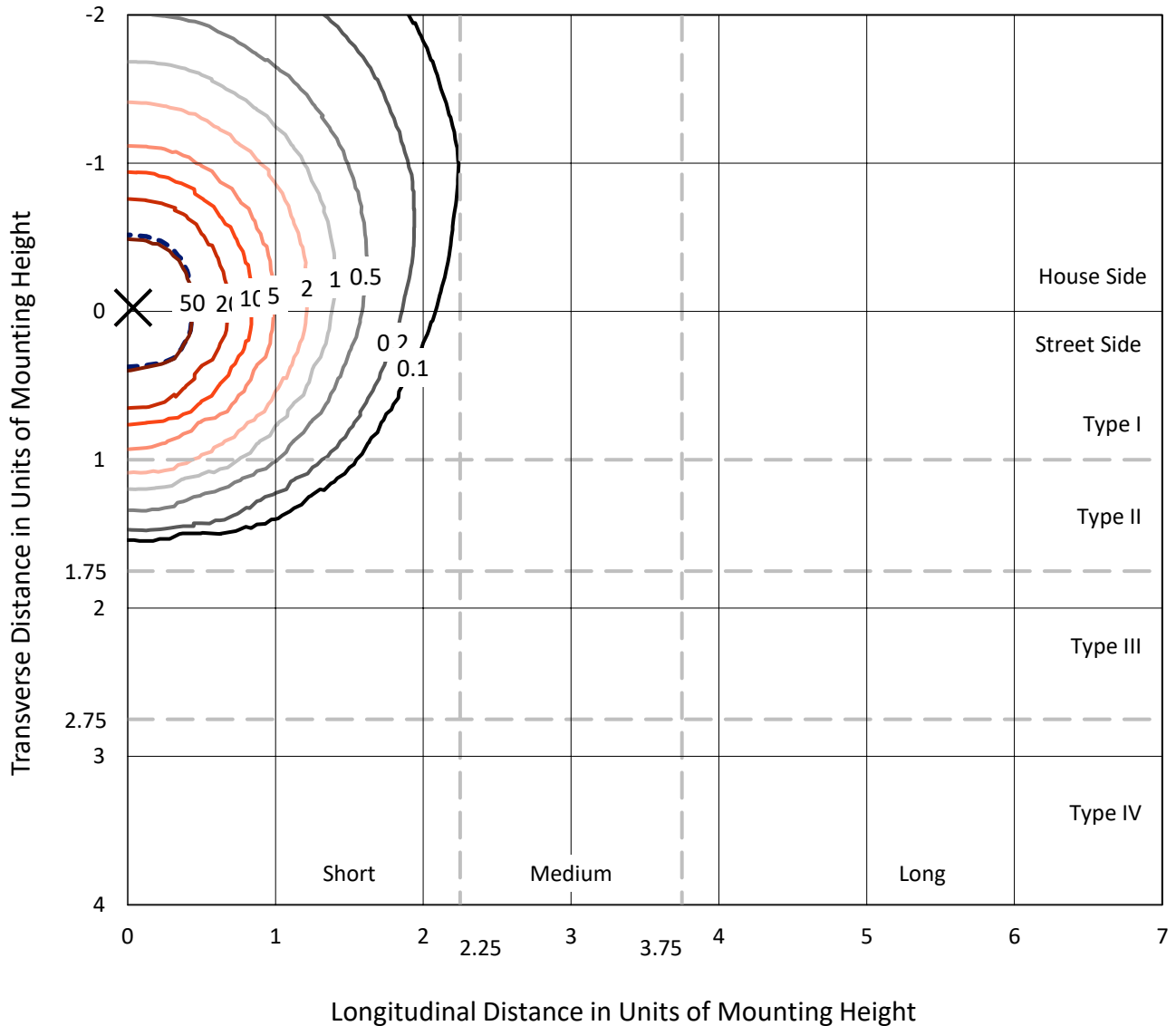
Input Watts (W): 420.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

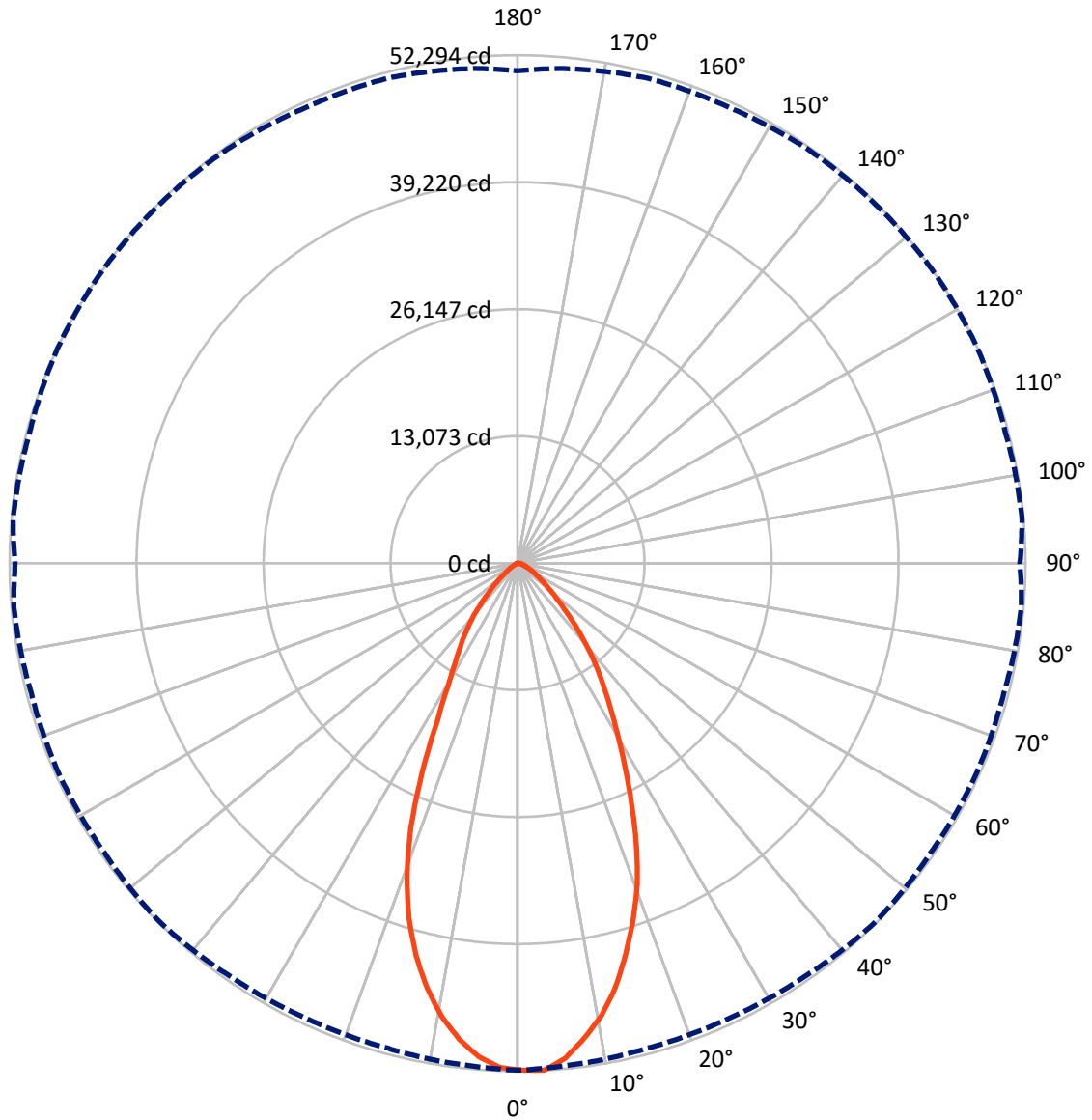
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 130.5 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 125-Deg Lateral - - - Horizontal Cone Through 2.5-Deg Vertical



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	24796.4	0.0	24796.4
	% Fixture	56.7	0.0	56.7
Street Side	Lumens	18902.4	0.0	18902.4
	% Fixture	43.3	0.0	43.3
Total	Lumens	43698.8	0.0	43698.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4740.8	10.8
10°-20°	11301.0	25.9
20°-30°	11509.9	26.3
30°-40°	8582.9	19.6
40°-50°	4483.9	10.3
50°-60°	1886.0	4.3
60°-70°	770.2	1.8
70°-80°	324.1	0.7
80°-90°	99.9	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°	43698.8	100.0
0°-180°	43698.8	100.0



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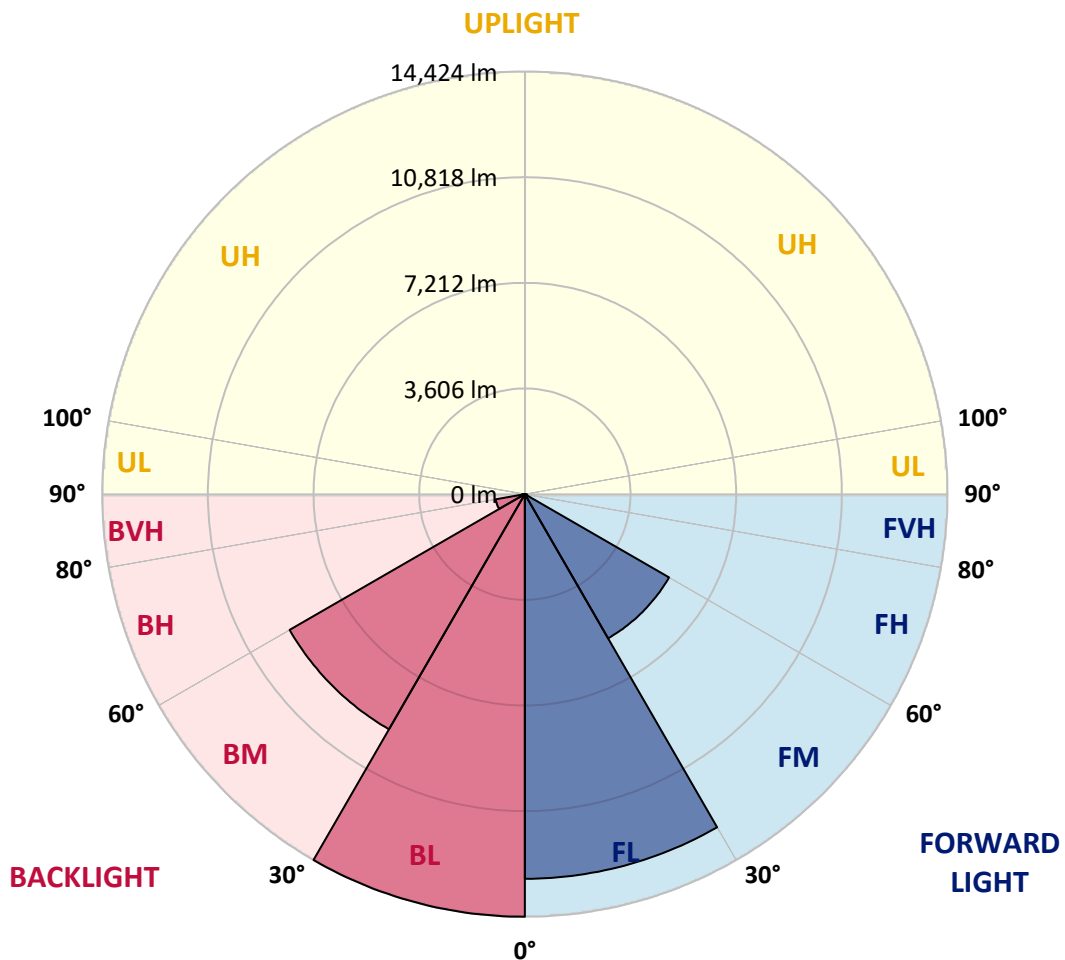
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	13127.7	30.0			
FM (30°-60°)	5683.2	13.0			
FH (60°-80°)	82.2	0.2			G0/660
FVH (80°-90°)	9.3	0.0			G0/10
BL (0°-30°)	14424.1	33.0	B5		
BM (30°-60°)	9269.6	21.2	B5		
BH (60°-80°)	1012.1	2.3	B3/2500		G3/2500
BVH (80°-90°)	90.6	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°	52209.5	52209.5	52209.5	52209.5	52209.5	52209.5	52209.5	52209.5	52209.5	52209.5
2.5°	52215.1	52001.8	51698.7	51670.6	51827.8	52170.2	51951.3	51962.5	51827.8	52057.9
5°	51395.5	51193.5	50985.8	50710.7	50940.9	51086.8	50974.5	50851.0	50677.0	50901.6
7.5°	49846.3	49734.0	49425.3	49301.8	49442.1	49604.9	49363.5	49329.8	49088.5	49380.4
10°	47477.4	47432.5	47129.4	47056.4	47179.9	47426.9	47320.3	47297.8	47146.3	47118.2
12.5°	45018.8	44844.8	44468.7	44446.2	44631.5	45002.0	44715.7	44440.6	44524.8	44597.8
15°	38687.0	38501.7	39433.6	40898.6	41667.7	41639.6	41723.8	41392.6	41291.6	41325.2
17.5°	30755.4	30441.0	30777.8	33045.6	36699.9	38821.7	38237.9	37525.0	37143.3	36890.7
20°	26545.4	26562.2	26500.5	27084.3	29363.3	34201.9	34061.6	32686.3	32186.8	31979.1
22.5°	23985.7	23890.3	23755.6	23940.8	24552.7	27393.0	29295.9	28032.9	27858.9	27628.7
25°	21476.6	21476.6	21313.8	21499.0	21673.0	21712.3	23620.8	24137.3	23800.5	23800.5
27.5°	19304.2	19191.9	19119.0	19203.2	18973.0	17867.2	18108.6	20752.4	20522.3	20382.0
30°	17148.7	17115.0	16991.5	17103.8	16250.6	15004.4	14499.2	17513.6	17754.9	17704.4
32.5°	14156.8	14291.5	14841.6	15015.6	13556.2	12551.4	12068.6	14538.5	15504.0	15464.7
35°	9621.2	9733.5	10362.2	12439.1	11237.9	10519.4	10379.0	11563.4	13152.0	13303.6
37.5°	7662.2	7645.3	7825.0	8195.4	9031.8	8857.8	8818.5	9127.3	10727.1	10794.4
40°	6315.0	6292.5	6286.9	5983.8	5776.1	7364.7	7258.0	7072.8	8459.3	8594.0
42.5°	5091.3	5113.7	5130.6	4468.2	4165.1	5680.7	5618.9	5428.1	6634.9	6792.1
45°	3996.7	3991.1	4024.7	3328.7	3244.5	3631.8	4198.8	4047.2	5007.1	5175.5
47.5°	2071.3	2144.3	2599.0	2576.5	2615.8	2576.5	3177.1	3137.8	3766.5	4036.0
50°	1392.1	1414.6	1453.8	1459.5	2060.1	1897.3	2155.5	2441.8	2638.3	3053.6
52.5°	1077.8	1094.6	993.6	931.8	1263.0	1403.3	1414.6	1689.6	1841.2	2262.2
55°	600.6	673.6	724.1	729.7	696.1	1038.5	1032.9	1251.8	1369.6	1650.3
57.5°	78.6	95.4	145.9	471.5	465.9	578.2	724.1	909.4	976.7	1206.9
60°	5.6	11.2	16.8	73.0	308.7	336.8	494.0	566.9	679.2	847.6
62.5°	0.0	0.0	5.6	16.8	61.7	196.5	258.2	297.5	398.5	555.7
65°	0.0	0.0	5.6	11.2	22.5	73.0	101.0	162.8	235.8	342.4
67.5°	0.0	0.0	5.6	11.2	16.8	28.1	44.9	73.0	123.5	207.7
70°	0.0	0.0	5.6	11.2	16.8	22.5	33.7	44.9	67.4	112.3
72.5°	0.0	0.0	5.6	5.6	11.2	28.1	28.1	33.7	44.9	61.7
75°	0.0	0.0	5.6	11.2	16.8	28.1	28.1	28.1	33.7	39.3
77.5°	0.0	0.0	5.6	11.2	16.8	28.1	22.5	28.1	28.1	28.1
80°	0.0	0.0	5.6	11.2	16.8	28.1	33.7	28.1	22.5	22.5
82.5°	0.0	0.0	5.6	16.8	16.8	39.3	39.3	39.3	16.8	16.8
85°	0.0	0.0	11.2	16.8	28.1	44.9	44.9	33.7	16.8	11.2
87.5°	0.0	0.0	5.6	11.2	11.2	22.5	33.7	28.1	11.2	5.6
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°
52209.5	0°	52209.5	52209.5	52209.5	52209.5	52209.5	52209.5	52209.5	52209.5	52209.5
51721.1	2.5°	52136.5	51996.2	52260.0	52293.7	52181.4	52041.1	51715.5	51687.4	51120.5
50576.0	5°	51148.6	50918.4	51086.8	51199.1	51159.8	51008.2	50873.5	50750.0	50239.2
48718.0	7.5°	49307.4	49223.2	49301.8	49386.0	49548.8	49386.0	49329.8	49200.7	48695.5
46888.0	10°	47264.1	47107.0	47404.5	47365.2	47320.3	47275.4	47039.6	47062.1	46467.0
44395.7	12.5°	44755.0	44491.2	44777.4	44811.1	44777.4	44620.3	44356.4	44468.7	43924.2
41027.7	15°	41381.4	41353.3	41561.0	41695.7	41791.2	41622.8	41532.9	41589.1	41263.5
36694.3	17.5°	37238.7	37603.6	38282.8	38513.0	38518.6	38692.6	38642.1	38574.7	38333.3
31894.9	20°	32366.4	33068.1	34112.1	35184.3	35493.0	35347.1	35279.7	35403.2	35043.9
27387.4	22.5°	27870.1	28470.7	29683.2	31249.3	32153.1	32242.9	32226.1	32119.4	31979.1
23778.0	25°	24053.1	24586.3	25748.3	27179.7	28914.2	29172.4	29183.6	29150.0	29026.5
20505.4	27.5°	20831.0	21476.6	22116.5	23396.3	25243.1	26309.6	26174.9	26135.6	26090.7
17743.7	30°	17912.1	18726.0	19326.7	20123.7	21779.7	23222.3	23362.6	23295.3	23188.6
15459.1	32.5°	15599.4	16082.2	16845.6	17384.4	18574.5	20207.9	20746.8	20696.3	20600.9
13399.0	35°	13589.8	13780.7	14381.3	14981.9	15773.4	17356.4	18153.5	18041.2	18024.4
10917.9	37.5°	11193.0	11832.9	12164.1	12770.3	13326.0	14555.3	15655.5	15605.0	15610.6
8779.2	40°	9037.4	9407.9	10064.7	10575.5	11086.3	11984.4	13208.1	13241.8	13230.6
6797.7	42.5°	6938.1	7297.3	7987.8	8543.5	8998.1	9553.9	10721.4	10760.7	10811.2
5293.4	45°	5416.9	5647.0	6152.2	6730.4	7213.1	7549.9	8436.8	8689.4	8695.0
4103.3	47.5°	4204.4	4468.2	4827.5	5383.2	5854.7	6096.1	6741.6	7084.0	7067.2
3149.1	50°	3300.6	3542.0	3833.9	4271.7	4782.5	4973.4	5450.5	5787.3	5770.5
2374.4	52.5°	2526.0	2834.7	3092.9	3429.7	3929.3	4092.1	4434.5	4821.8	4765.7
1740.1	55°	1914.1	2228.5	2469.9	2750.5	3205.2	3412.9	3648.7	3957.4	3968.6
1347.2	57.5°	1442.6	1768.2	1987.1	2273.4	2615.8	2846.0	3025.6	3356.8	3351.2
920.6	60°	1032.9	1313.5	1577.3	1874.8	2138.7	2402.5	2526.0	2840.3	2851.6
651.1	62.5°	746.6	1010.4	1263.0	1521.2	1757.0	2015.2	2127.4	2374.4	2408.1
426.6	65°	522.0	707.3	999.2	1195.6	1459.5	1650.3	1796.3	2009.6	2048.9
252.6	67.5°	336.8	510.8	791.5	965.5	1206.9	1369.6	1521.2	1689.6	1740.1
162.8	70°	202.1	387.3	589.4	774.6	993.6	1139.5	1285.4	1431.4	1459.5
78.6	72.5°	129.1	269.4	426.6	628.7	797.1	954.3	1083.4	1190.0	1105.8
50.5	75°	73.0	185.2	336.8	494.0	645.5	797.1	903.7	959.9	769.0
33.7	77.5°	44.9	134.7	275.1	398.5	499.6	639.9	707.3	741.0	550.1
22.5	80°	28.1	101.0	230.1	325.6	325.6	471.5	550.1	578.2	398.5
16.8	82.5°	22.5	73.0	179.6	247.0	218.9	353.6	432.2	437.8	280.7
11.2	85°	16.8	56.1	112.3	162.8	151.6	247.0	252.6	280.7	185.2
11.2	87.5°	11.2	33.7	67.4	95.4	84.2	117.9	134.7	151.6	101.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



180°
52209.5
50677.0
49829.4
48588.9
46265.0
43767.0
40870.6
37974.1
34785.7
31709.6
28611.1
25826.9
23053.9
20348.3
17839.1
15431.0
13034.1
10642.9
8549.1
7005.4
5770.5
4771.3
3968.6
3339.9
2823.5
2396.9
2037.6
1734.5
1437.0
1027.2
729.7
516.4
370.5
258.2
168.4
89.8
0.0

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