

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: P636576

Luminaire Tested: **IFLD-S-SA6D-927-U-66-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P636576  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA6D-927-U-66-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 6 distribution lens and Visor  
Light Source: (96) 2700K CCT, 90 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 23047.5 lumens  
Efficiency: N/A  
Efficacy: 62.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B5 - U0 - G1

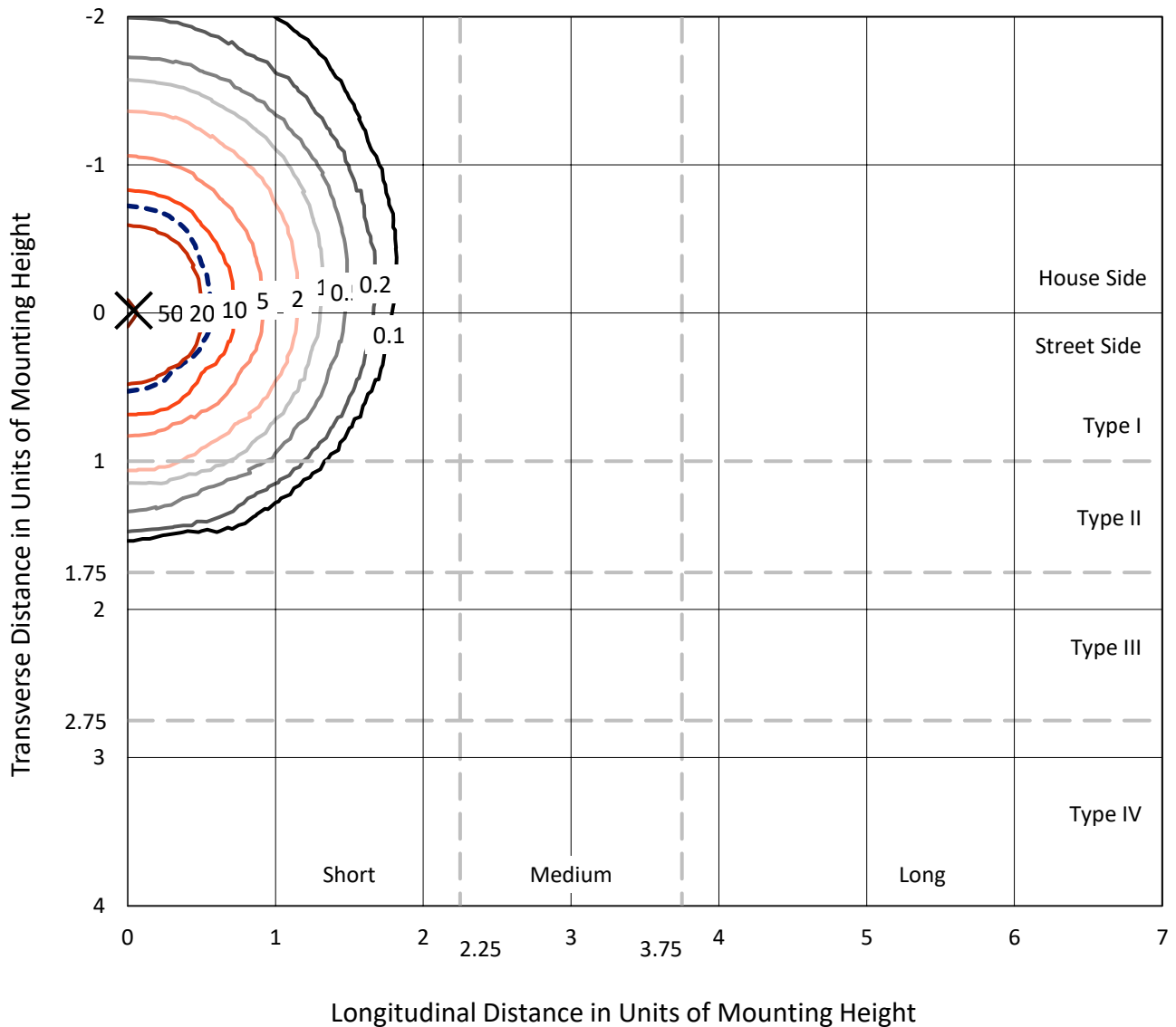
Input Watts (W): 368.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

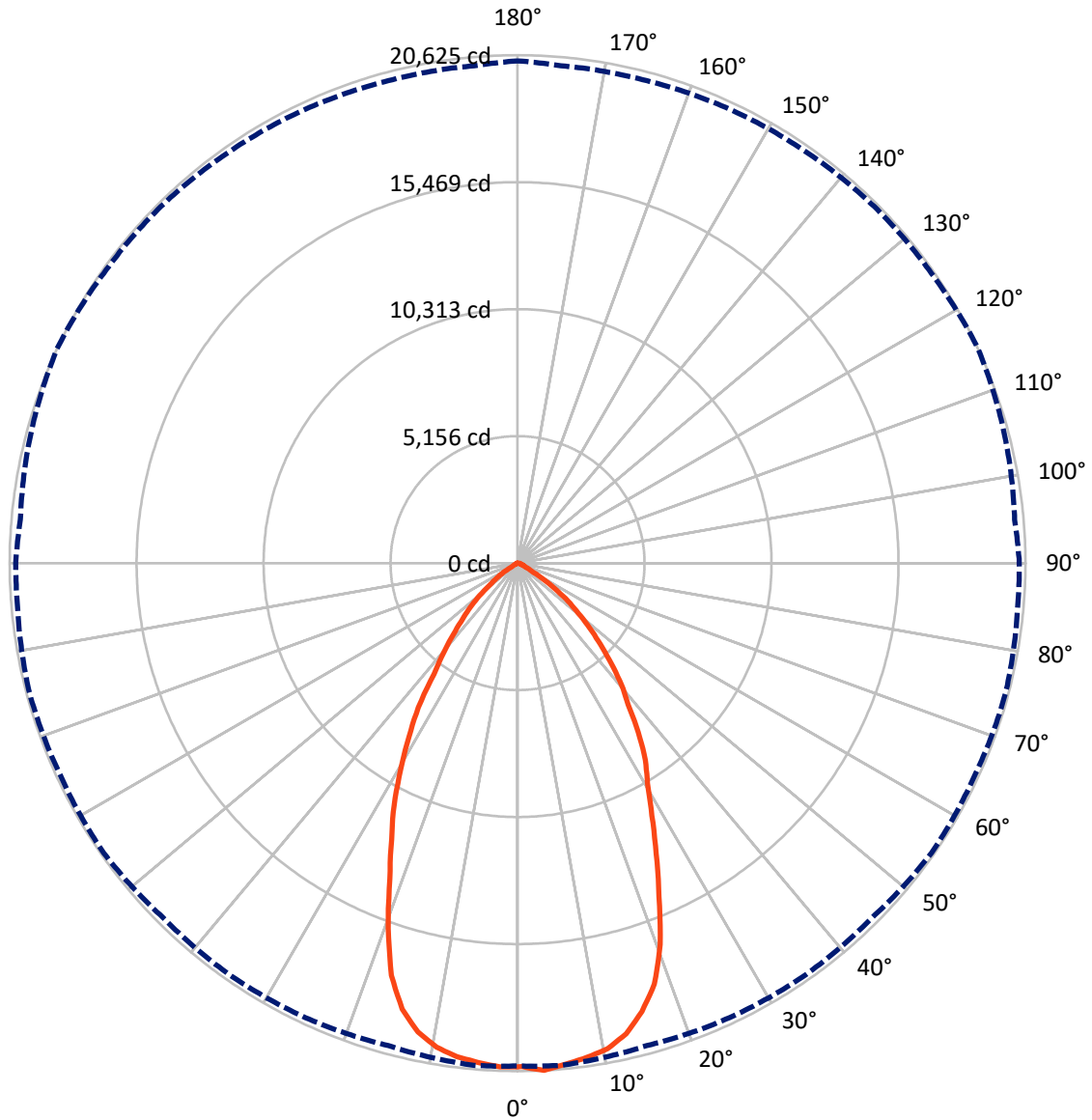
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 51.1 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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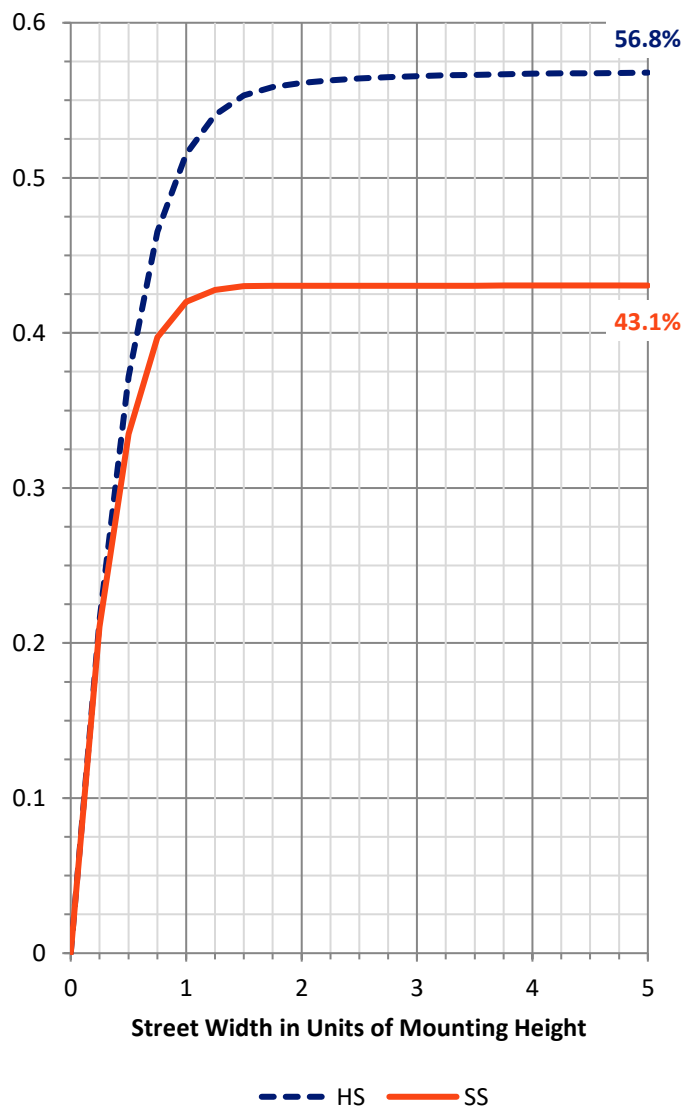
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	13189.8	0.0	13189.8
	% Fixture	57.2	0.0	57.2
<b>Street Side</b>	Lumens	9857.7	0.0	9857.7
	% Fixture	42.8	0.0	42.8
<b>Total</b>	Lumens	23047.5	0.0	23047.5
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1926.0	8.4
10°-20°	5106.8	22.2
20°-30°	5841.2	25.3
30°-40°	5005.7	21.7
40°-50°	3310.0	14.4
50°-60°	1444.3	6.3
60°-70°	283.8	1.2
70°-80°	102.4	0.4
80°-90°	27.2	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°	23047.5	100.0
0°-180°	23047.5	100.0



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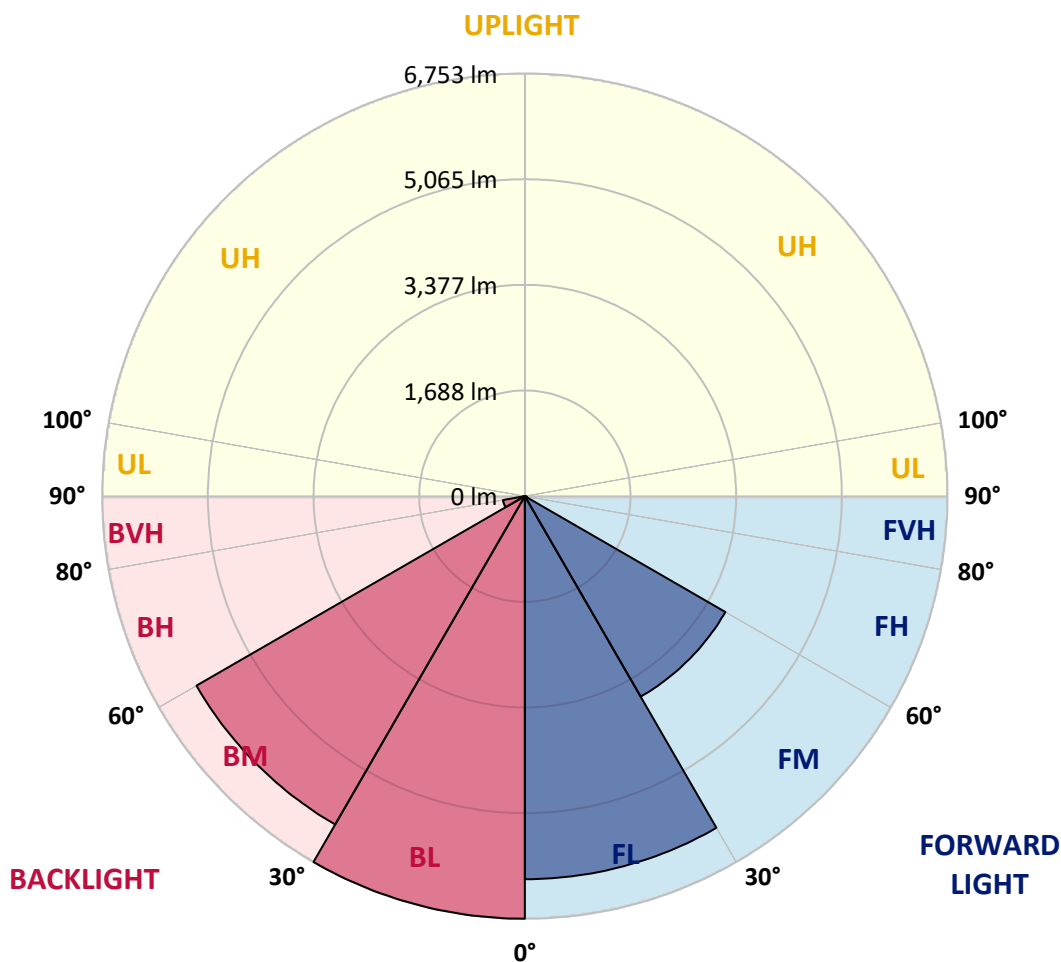
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	6120.9	26.6			
FM (30°-60°)	3700.9	16.1			
FH (60°-80°)	31.3	0.1			G0/660
FVH (80°-90°)	4.5	0.0			G0/10
BL (0°-30°)	6753.1	29.3	B5		
BM (30°-60°)	6059.1	26.3	B4/8500		
BH (60°-80°)	354.8	1.5	B1/500		G1/500
BVH (80°-90°)	22.7	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°	20448.9	20448.9	20448.9	20448.9	20448.9	20448.9	20448.9	20448.9	20448.9	20448.9
2.5°	20419.5	20468.5	20282.4	20365.6	20399.9	20355.9	20517.5	20468.5	20507.7	20385.2
5°	20419.5	20468.5	20253.0	20292.2	20302.0	20218.7	20395.0	20336.3	20341.2	20213.8
7.5°	20292.2	20351.0	20155.0	20184.4	20189.3	20120.7	20272.6	20189.3	20159.9	20027.6
10°	19949.2	19983.5	19807.1	19880.6	19949.2	19885.5	20017.8	19924.7	19924.7	19807.1
12.5°	19405.4	19469.1	19273.1	19361.3	19420.1	19346.6	19498.5	19464.2	19469.1	19351.5
15°	18415.8	18195.3	18430.5	18606.9	18611.8	18597.1	18739.1	18704.8	18729.3	18553.0
17.5°	13604.9	13551.0	13825.3	15907.4	17455.6	17666.2	17690.7	17504.6	17421.3	17249.8
20°	12605.4	12644.6	12585.8	12595.6	13815.5	16348.4	16196.5	15736.0	15525.3	15353.8
22.5°	11875.5	11811.8	11772.6	11748.1	11782.4	13433.4	14525.9	13830.2	13717.5	13634.3
25°	11081.8	11052.4	11003.4	10993.6	10974.0	10694.8	12267.4	12331.1	12149.8	12046.9
27.5°	10342.0	10322.4	10268.6	10263.7	10038.3	9362.2	9533.7	11047.5	10998.5	10959.3
30°	9553.3	9514.1	9484.7	9484.7	8803.7	8108.0	7828.8	9631.7	9631.7	9597.4
32.5°	8695.9	8661.6	8671.4	8553.9	7740.6	7103.7	6662.8	8313.8	8828.2	8798.8
35°	5315.5	5305.7	6300.3	7608.3	6653.0	6074.9	6045.5	7113.5	7863.1	7941.5
37.5°	4732.6	4703.2	4717.9	4801.1	5697.7	5467.4	5457.6	5638.9	6692.2	6731.4
40°	4247.5	4227.9	4213.2	3914.4	3630.2	4879.5	4845.2	4727.7	5717.3	5785.9
42.5°	3787.0	3767.4	3767.4	3346.1	2885.6	4012.4	4027.1	3889.9	4820.7	4845.2
45°	3311.8	3297.1	3213.8	2670.0	2537.7	2665.1	3336.3	3179.5	3826.2	4081.0
47.5°	1562.8	1553.0	2248.7	2219.3	2209.5	2131.1	2547.5	2635.7	3037.5	3292.2
50°	1254.2	1244.4	1185.6	1043.5	1817.6	1616.7	1837.2	2028.2	2155.6	2390.8
52.5°	1038.6	1028.8	906.3	803.5	1009.2	1180.7	1097.4	1357.1	1352.2	1606.9
55°	681.0	632.0	695.7	656.5	529.1	857.3	837.7	1028.8	1004.3	1224.8
57.5°	14.7	14.7	34.3	372.3	333.1	362.5	480.1	587.9	661.4	725.1
60°	4.9	4.9	9.8	19.6	137.2	151.9	186.2	215.6	303.7	377.2
62.5°	0.0	0.0	4.9	9.8	19.6	78.4	88.2	102.9	142.1	196.0
65°	0.0	0.0	0.0	4.9	9.8	19.6	29.4	63.7	88.2	112.7
67.5°	0.0	0.0	0.0	4.9	4.9	9.8	19.6	29.4	39.2	78.4
70°	0.0	0.0	0.0	4.9	4.9	9.8	14.7	19.6	29.4	39.2
72.5°	0.0	0.0	0.0	4.9	4.9	14.7	9.8	14.7	19.6	24.5
75°	0.0	0.0	0.0	4.9	4.9	4.9	9.8	14.7	14.7	19.6
77.5°	0.0	0.0	0.0	4.9	9.8	9.8	9.8	9.8	9.8	14.7
80°	0.0	0.0	0.0	4.9	4.9	9.8	14.7	19.6	9.8	9.8
82.5°	0.0	0.0	0.0	9.8	4.9	19.6	29.4	24.5	9.8	4.9
85°	0.0	0.0	0.0	4.9	19.6	24.5	24.5	14.7	4.9	4.9
87.5°	0.0	0.0	0.0	4.9	4.9	9.8	14.7	14.7	4.9	4.9
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°
20448.9	0°	20448.9	20448.9	20448.9	20448.9	20448.9	20448.9	20448.9	20448.9	20448.9
20375.4	2.5°	20262.8	20453.8	20625.3	20517.5	20478.3	20399.9	20341.2	20277.5	20272.6
20199.1	5°	20086.4	20267.7	20434.2	20306.9	20316.7	20277.5	20238.3	20223.6	20233.4
20017.8	7.5°	19934.5	20086.4	20267.7	20159.9	20189.3	20164.8	20145.2	20115.8	20159.9
19782.7	10°	19704.3	19841.4	20052.1	19949.2	19934.5	19910.0	19890.4	19836.5	19861.0
19356.4	12.5°	19199.7	19371.1	19611.2	19493.6	19532.8	19464.2	19434.8	19400.5	19405.4
18616.7	15°	18513.8	18646.1	18891.0	18797.9	18827.3	18783.2	18783.2	18783.2	18817.5
17274.3	17.5°	17318.4	17587.8	17974.9	17857.3	17901.4	17911.2	17901.4	17935.7	17979.8
15363.6	20°	15373.4	15834.0	16539.4	16769.7	16862.8	16867.7	16799.1	16882.4	16970.6
13575.5	22.5°	13585.3	14070.3	14692.5	15324.5	15716.4	15696.8	15706.6	15760.5	15853.6
11983.3	25°	12037.1	12502.6	13066.0	13629.4	14486.7	14663.1	14668.0	14717.0	14790.4
10895.6	27.5°	10920.1	11101.4	11615.8	12184.1	13105.2	13668.5	13639.2	13683.2	13761.6
9533.7	30°	9572.9	10268.6	10386.1	10734.0	11527.6	12561.3	12566.2	12615.2	12693.6
8730.2	32.5°	8705.7	9166.3	9528.8	9538.6	10214.7	11277.8	11488.4	11537.4	11591.3
7897.4	35°	7892.5	7946.4	8436.3	8573.5	8965.4	10018.7	10391.0	10420.4	10508.6
6716.7	37.5°	6829.4	7147.8	7285.0	7774.9	7794.5	8647.0	9386.7	9357.3	9425.9
5781.0	40°	5854.5	6158.2	6506.0	6863.7	6912.7	7549.5	8367.7	8397.1	8426.5
4796.2	42.5°	4835.4	5222.5	5580.1	5820.2	6153.3	6520.7	7299.7	7436.9	7505.5
4110.4	45°	4183.9	4291.6	4717.9	5070.6	5408.6	5580.1	6310.1	6559.9	6604.0
3253.0	47.5°	3297.1	3659.6	3948.7	4247.5	4668.9	4820.7	5349.8	5697.7	5732.0
2415.3	50°	2547.5	2807.2	3204.0	3473.5	3963.4	4046.7	4409.2	4859.9	4904.0
1616.7	52.5°	1822.5	2175.2	2562.2	2821.9	3292.2	3400.0	3669.4	4100.6	4130.0
1239.5	55°	1308.1	1538.3	1856.8	2229.1	2572.0	2812.1	2998.3	3409.8	3449.0
813.3	57.5°	891.6	1107.2	1239.5	1611.8	1817.6	2077.2	2229.1	2542.6	2572.0
387.0	60°	426.2	529.1	632.0	818.2	950.4	1170.9	1268.9	1396.2	1430.5
235.2	62.5°	274.4	323.3	411.5	489.9	617.3	754.5	793.7	901.4	940.6
147.0	65°	181.3	230.3	323.3	342.9	470.3	578.1	627.1	705.5	749.6
88.2	67.5°	102.9	161.7	240.1	284.1	372.3	475.2	529.1	597.7	636.9
58.8	70°	68.6	132.3	191.1	235.2	293.9	382.1	450.7	509.5	534.0
29.4	72.5°	39.2	83.3	132.3	186.2	235.2	318.4	382.1	431.1	284.1
19.6	75°	24.5	63.7	112.7	156.8	196.0	254.8	308.6	303.7	127.4
14.7	77.5°	19.6	49.0	98.0	132.3	161.7	176.4	220.5	249.9	98.0
9.8	80°	14.7	39.2	88.2	112.7	63.7	127.4	171.5	186.2	68.6
9.8	82.5°	9.8	24.5	73.5	78.4	44.1	93.1	137.2	122.5	49.0
4.9	85°	4.9	14.7	24.5	44.1	39.2	44.1	34.3	49.0	34.3
4.9	87.5°	4.9	9.8	19.6	19.6	19.6	14.7	19.6	19.6	19.6
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





180°
20448.9
20390.1
20355.9
20282.4
19978.6
19547.5
18832.2
18126.8
17029.3
15868.3
14917.8
13835.1
12830.8
11713.8
10601.7
9509.2
8519.6
7603.4
6711.8
5815.3
4967.7
4183.9
3483.3
2630.8
1469.7
950.4
749.6
632.0
529.1
230.3
127.4
98.0
73.5
49.0
34.3
19.6
0.0

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