

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: P636633

Luminaire Tested: **IFLD-S-SA6C-935-U-66-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636633
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6C-935-U-66-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 6 distribution lens and Visor
Light Source: (96) 3500K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21967.7 lumens
Efficiency: N/A
Efficacy: 68.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G1

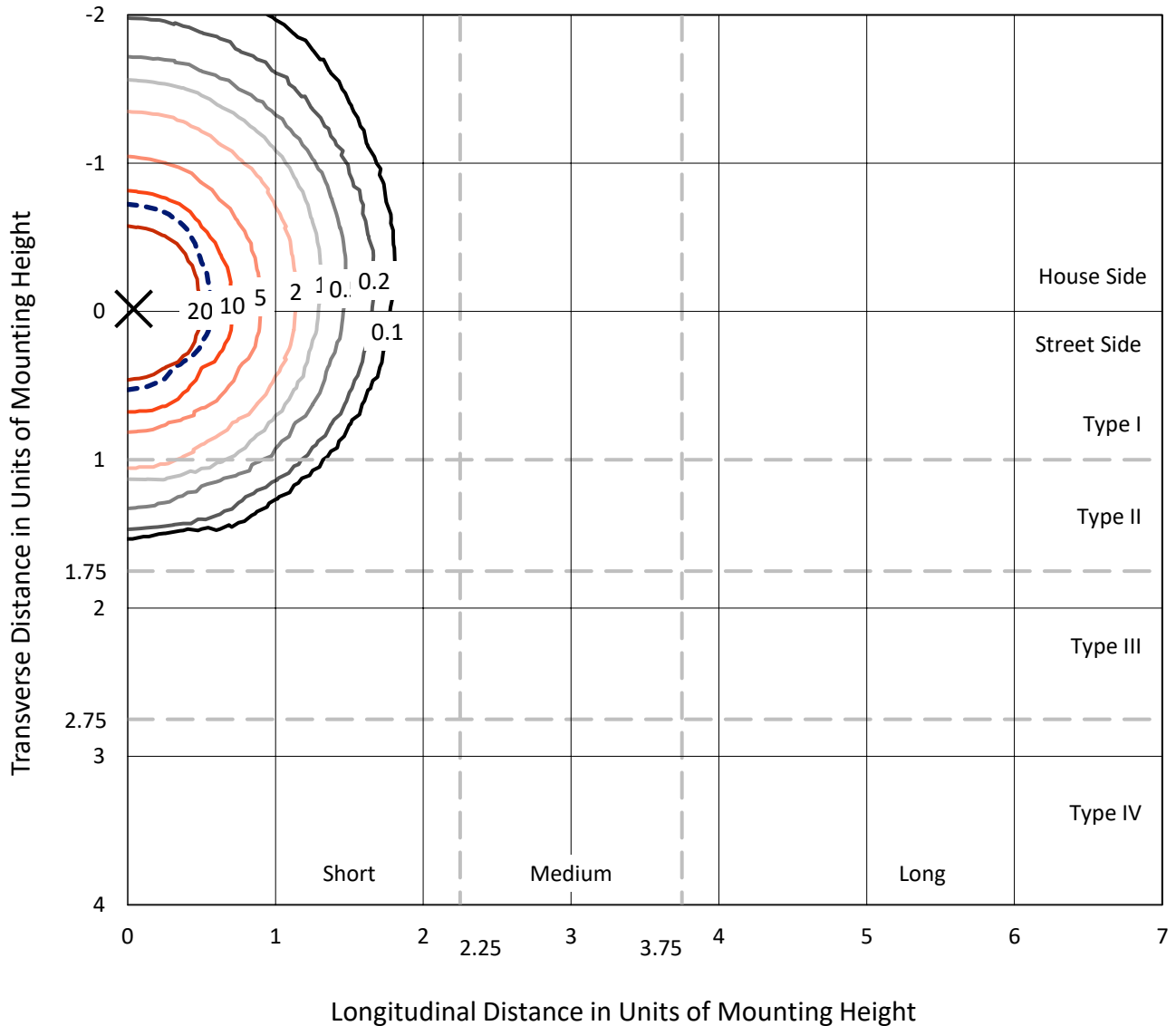
Input Watts (W): 321.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

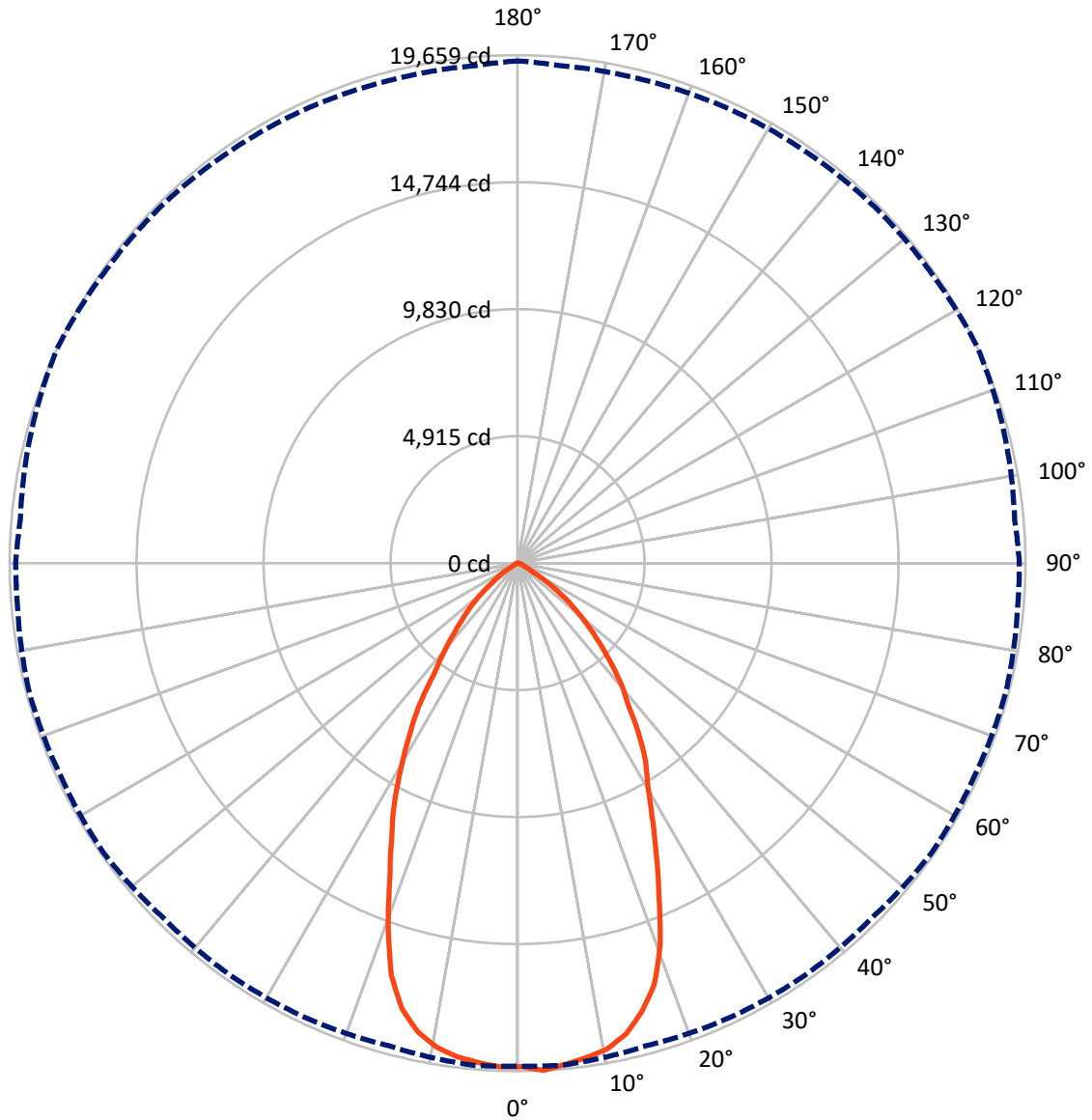
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 48.7 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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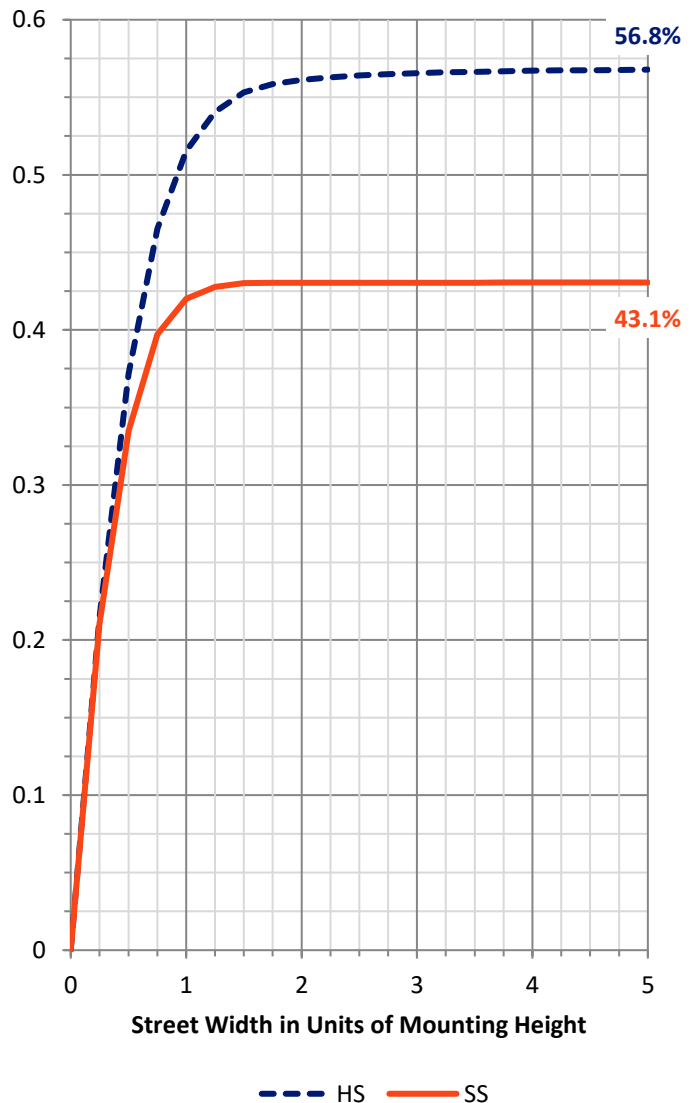
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12571.9	0.0	12571.9
	% Fixture	57.2	0.0	57.2
Street Side	Lumens	9395.9	0.0	9395.9
	% Fixture	42.8	0.0	42.8
Total	Lumens	21967.7	0.0	21967.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1835.8	8.4
10°-20°	4867.6	22.2
20°-30°	5567.5	25.3
30°-40°	4771.2	21.7
40°-50°	3154.9	14.4
50°-60°	1376.7	6.3
60°-70°	270.5	1.2
70°-80°	97.6	0.4
80°-90°	25.9	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°	21967.7	100.0
0°-180°	21967.7	100.0



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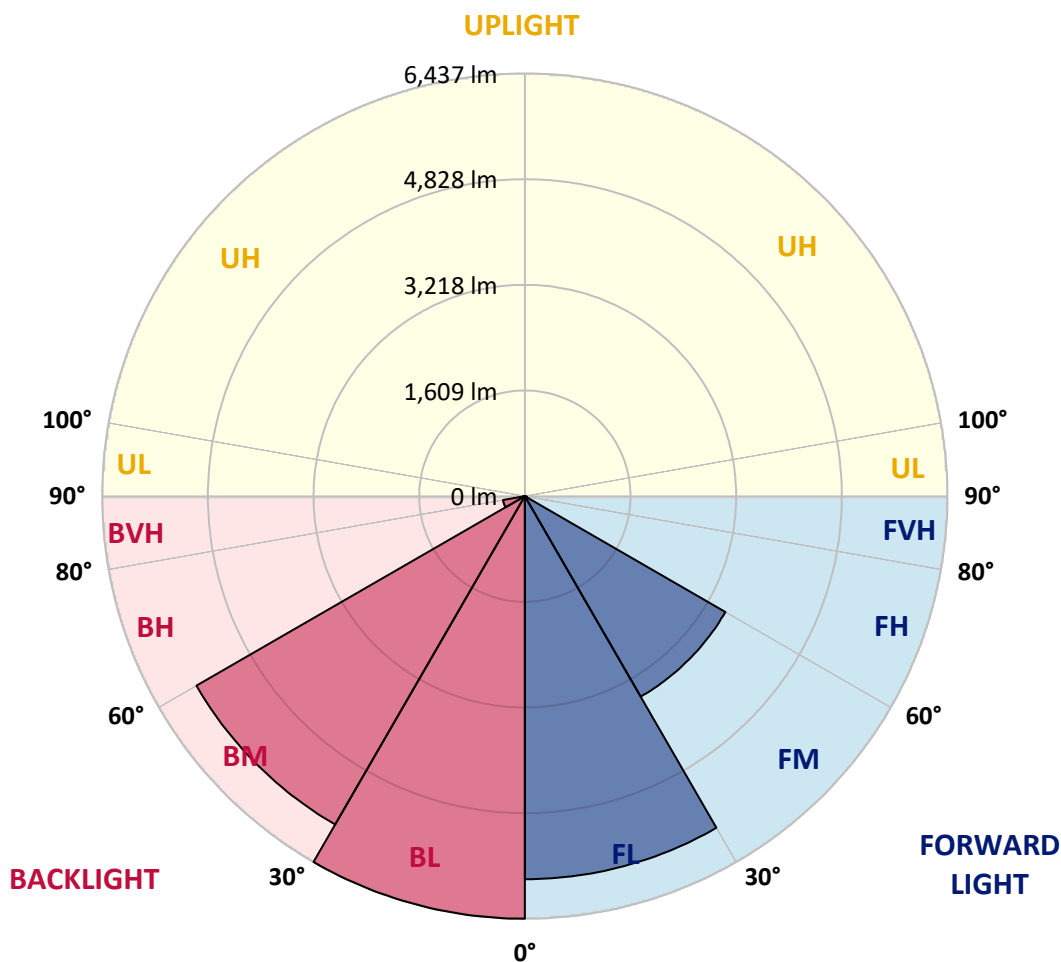
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5834.2	26.6			
FM (30°-60°)	3527.5	16.1			
FH (60°-80°)	29.9	0.1			G0/660
FVH (80°-90°)	4.3	0.0			G0/10
BL (0°-30°)	6436.8	29.3	B5		
BM (30°-60°)	5775.2	26.3	B4/8500		
BH (60°-80°)	338.2	1.5	B1/500		G1/500
BVH (80°-90°)	21.7	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°	19490.9	19490.9	19490.9	19490.9	19490.9	19490.9	19490.9	19490.9	19490.9	19490.9
2.5°	19462.9	19509.6	19332.2	19411.6	19444.2	19402.2	19556.3	19509.6	19547.0	19430.2
5°	19462.9	19509.6	19304.2	19341.5	19350.9	19271.5	19439.6	19383.5	19388.2	19266.8
7.5°	19341.5	19397.5	19210.8	19238.8	19243.5	19178.1	19322.8	19243.5	19215.4	19089.4
10°	19014.6	19047.3	18879.2	18949.3	19014.6	18953.9	19080.0	18991.3	18991.3	18879.2
12.5°	18496.3	18557.0	18370.2	18454.3	18510.3	18440.3	18585.0	18552.4	18557.0	18444.9
15°	17553.1	17342.9	17567.1	17735.2	17739.8	17725.8	17861.2	17828.6	17851.9	17683.8
17.5°	12967.5	12916.1	13177.6	15162.2	16637.8	16838.6	16862.0	16684.5	16605.1	16441.7
20°	12014.9	12052.3	11996.2	12005.6	13168.3	15582.5	15437.7	14998.8	14798.0	14634.5
22.5°	11319.1	11258.4	11221.1	11197.7	11230.4	12804.1	13845.4	13182.3	13074.9	12995.5
25°	10562.7	10534.6	10487.9	10478.6	10459.9	10193.8	11692.7	11753.4	11580.6	11482.6
27.5°	9857.5	9838.9	9787.5	9782.8	9568.0	8923.6	9087.1	10530.0	10483.3	10445.9
30°	9105.7	9068.4	9040.4	9040.4	8391.3	7728.2	7462.0	9180.4	9180.4	9147.8
32.5°	8288.6	8255.9	8265.2	8153.1	7378.0	6770.9	6350.7	7924.3	8414.6	8386.6
35°	5066.5	5057.2	6005.1	7251.9	6341.3	5790.3	5762.3	6780.3	7494.7	7569.4
37.5°	4510.8	4482.8	4496.8	4576.2	5430.8	5211.3	5201.9	5374.7	6378.7	6416.0
40°	4048.5	4029.9	4015.9	3731.0	3460.2	4650.9	4618.2	4506.2	5449.4	5514.8
42.5°	3609.6	3590.9	3590.9	3189.3	2750.4	3824.4	3838.4	3707.7	4594.9	4618.2
45°	3156.7	3142.6	3063.3	2544.9	2418.9	2540.3	3180.0	3030.6	3647.0	3889.8
47.5°	1489.6	1480.3	2143.3	2115.3	2106.0	2031.3	2428.2	2512.2	2895.2	3138.0
50°	1195.4	1186.1	1130.0	994.6	1732.4	1541.0	1751.1	1933.2	2054.6	2278.8
52.5°	990.0	980.6	863.9	765.8	961.9	1125.4	1046.0	1293.5	1288.8	1531.6
55°	649.1	602.4	663.1	625.7	504.3	817.2	798.5	980.6	957.3	1167.4
57.5°	14.0	14.0	32.7	354.9	317.5	345.6	457.6	560.4	630.4	691.1
60°	4.7	4.7	9.3	18.7	130.7	144.8	177.4	205.5	289.5	359.6
62.5°	0.0	0.0	4.7	9.3	18.7	74.7	84.1	98.1	135.4	186.8
65°	0.0	0.0	0.0	4.7	9.3	18.7	28.0	60.7	84.1	107.4
67.5°	0.0	0.0	0.0	4.7	4.7	9.3	18.7	28.0	37.4	74.7
70°	0.0	0.0	0.0	4.7	4.7	9.3	14.0	18.7	28.0	37.4
72.5°	0.0	0.0	0.0	4.7	4.7	14.0	9.3	14.0	18.7	23.3
75°	0.0	0.0	0.0	4.7	4.7	4.7	9.3	14.0	14.0	18.7
77.5°	0.0	0.0	0.0	4.7	9.3	9.3	9.3	9.3	9.3	14.0
80°	0.0	0.0	0.0	4.7	4.7	9.3	14.0	18.7	9.3	9.3
82.5°	0.0	0.0	0.0	9.3	4.7	18.7	28.0	23.3	9.3	4.7
85°	0.0	0.0	0.0	4.7	18.7	23.3	23.3	14.0	4.7	4.7
87.5°	0.0	0.0	0.0	4.7	4.7	9.3	14.0	14.0	4.7	4.7
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°
19490.9	0°	19490.9	19490.9	19490.9	19490.9	19490.9	19490.9	19490.9	19490.9	19490.9
19420.9	2.5°	19313.5	19495.6	19659.0	19556.3	19519.0	19444.2	19388.2	19327.5	19322.8
19252.8	5°	19145.4	19318.2	19476.9	19355.5	19364.9	19327.5	19290.1	19276.1	19285.5
19080.0	7.5°	19000.6	19145.4	19318.2	19215.4	19243.5	19220.1	19201.4	19173.4	19215.4
18855.9	10°	18781.2	18911.9	19112.7	19014.6	19000.6	18977.3	18958.6	18907.2	18930.6
18449.6	12.5°	18300.2	18463.6	18692.4	18580.4	18617.7	18552.4	18524.3	18491.6	18496.3
17744.5	15°	17646.4	17772.5	18006.0	17917.3	17945.3	17903.3	17903.3	17903.3	17936.0
16465.0	17.5°	16507.1	16763.9	17132.8	17020.7	17062.7	17072.1	17062.7	17095.4	17137.5
14643.9	20°	14653.2	15092.2	15764.6	15984.1	16072.8	16077.5	16012.1	16091.5	16175.5
12939.5	22.5°	12948.8	13411.1	14004.2	14606.5	14980.1	14961.4	14970.8	15022.1	15110.8
11421.9	25°	11473.2	11916.8	12453.8	12990.8	13808.0	13976.1	13980.8	14027.5	14097.5
10385.2	27.5°	10408.6	10581.3	11071.6	11613.3	12491.2	13028.2	13000.2	13042.2	13116.9
9087.1	30°	9124.4	9787.5	9899.6	10231.1	10987.6	11972.9	11977.5	12024.2	12099.0
8321.2	32.5°	8297.9	8736.8	9082.4	9091.7	9736.1	10749.4	10950.2	10996.9	11048.3
7527.4	35°	7522.7	7574.1	8041.1	8171.8	8545.4	9549.3	9904.2	9932.3	10016.3
6402.0	37.5°	6509.4	6813.0	6943.7	7410.7	7429.3	8241.9	8947.0	8919.0	8984.3
5510.1	40°	5580.2	5869.7	6201.2	6542.1	6588.8	7195.9	7975.7	8003.7	8031.7
4571.5	42.5°	4608.9	4977.8	5318.7	5547.5	5865.0	6215.2	6957.7	7088.5	7153.8
3917.8	45°	3987.8	4090.6	4496.8	4833.0	5155.2	5318.7	6014.5	6252.6	6294.6
3100.6	47.5°	3142.6	3488.2	3763.7	4048.5	4450.1	4594.9	5099.2	5430.8	5463.4
2302.1	50°	2428.2	2675.7	3053.9	3310.8	3777.7	3857.1	4202.6	4632.3	4674.3
1541.0	52.5°	1737.1	2073.3	2442.2	2689.7	3138.0	3240.7	3497.5	3908.5	3936.5
1181.4	55°	1246.8	1466.3	1769.8	2124.7	2451.5	2680.4	2857.8	3250.0	3287.4
775.2	57.5°	849.9	1055.3	1181.4	1536.3	1732.4	1979.9	2124.7	2423.5	2451.5
368.9	60°	406.3	504.3	602.4	779.8	905.9	1116.0	1209.4	1330.8	1363.5
224.1	62.5°	261.5	308.2	392.2	467.0	588.4	719.1	756.5	859.2	896.6
140.1	65°	172.8	219.5	308.2	326.9	448.3	551.0	597.7	672.4	714.4
84.1	67.5°	98.1	154.1	228.8	270.8	354.9	453.0	504.3	569.7	607.0
56.0	70°	65.4	126.1	182.1	224.1	280.2	364.2	429.6	485.6	509.0
28.0	72.5°	37.4	79.4	126.1	177.4	224.1	303.5	364.2	410.9	270.8
18.7	75°	23.3	60.7	107.4	149.4	186.8	242.8	294.2	289.5	121.4
14.0	77.5°	18.7	46.7	93.4	126.1	154.1	168.1	210.1	238.1	93.4
9.3	80°	14.0	37.4	84.1	107.4	60.7	121.4	163.4	177.4	65.4
9.3	82.5°	9.3	23.3	70.0	74.7	42.0	88.7	130.7	116.7	46.7
4.7	85°	4.7	14.0	23.3	42.0	37.4	42.0	32.7	46.7	32.7
4.7	87.5°	4.7	9.3	18.7	18.7	18.7	14.0	18.7	18.7	18.7
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



180°
19490.9
19434.9
19402.2
19332.2
19042.7
18631.7
17950.0
17277.5
16231.6
15124.9
14219.0
13187.0
12229.7
11165.0
10105.0
9063.7
8120.4
7247.2
6397.4
5542.8
4735.0
3987.8
3320.1
2507.6
1400.9
905.9
714.4
602.4
504.3
219.5
121.4
93.4
70.0
46.7
32.7
18.7
0.0

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