

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: P636604

Luminaire Tested: **IFLD-S-SA6C-930-U-66-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636604
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6C-930-U-66-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 6 distribution lens and Visor
Light Source: (96) 3000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21173.7 lumens
Efficiency: N/A
Efficacy: 65.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G1

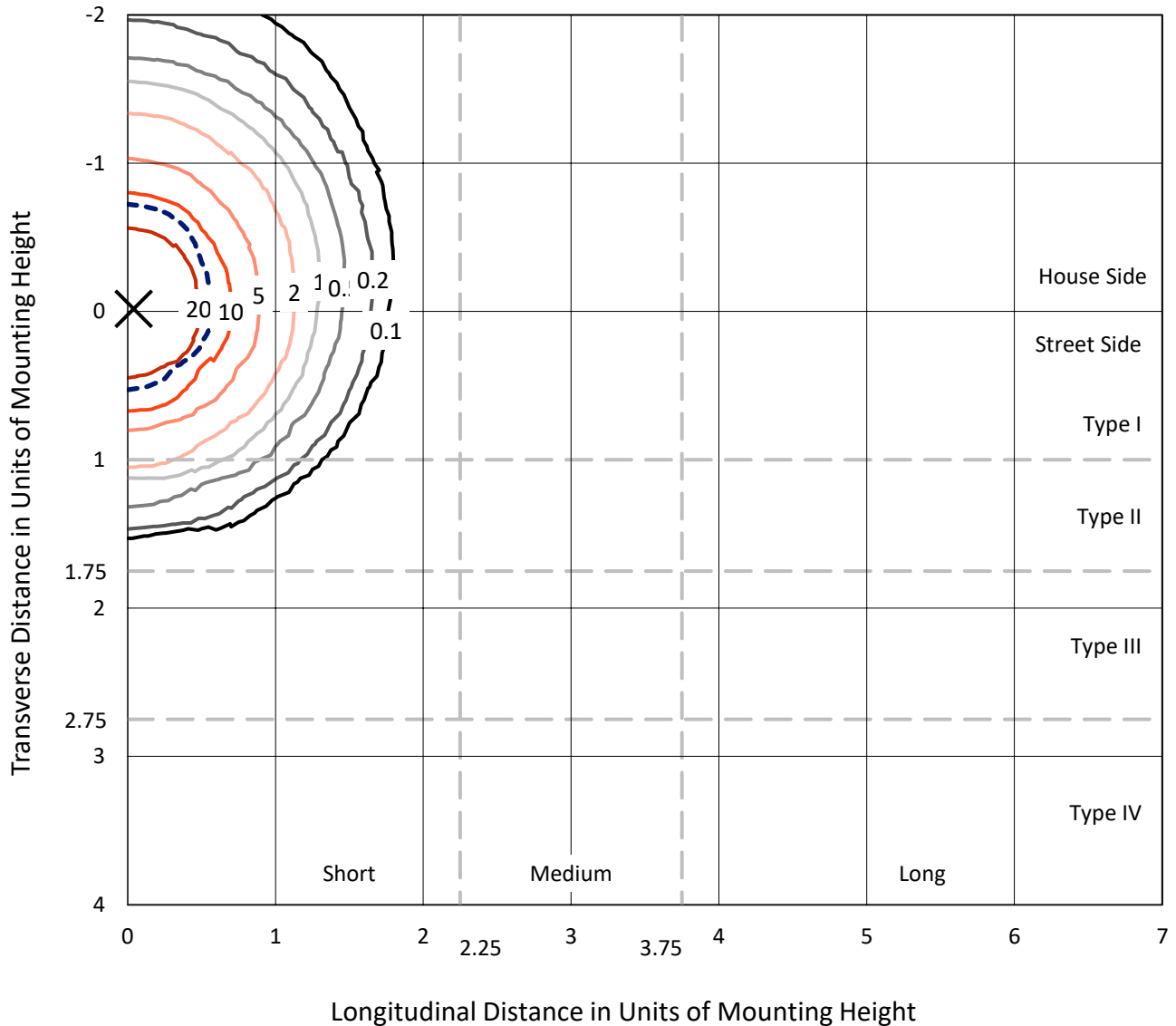
Input Watts (W): 321.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

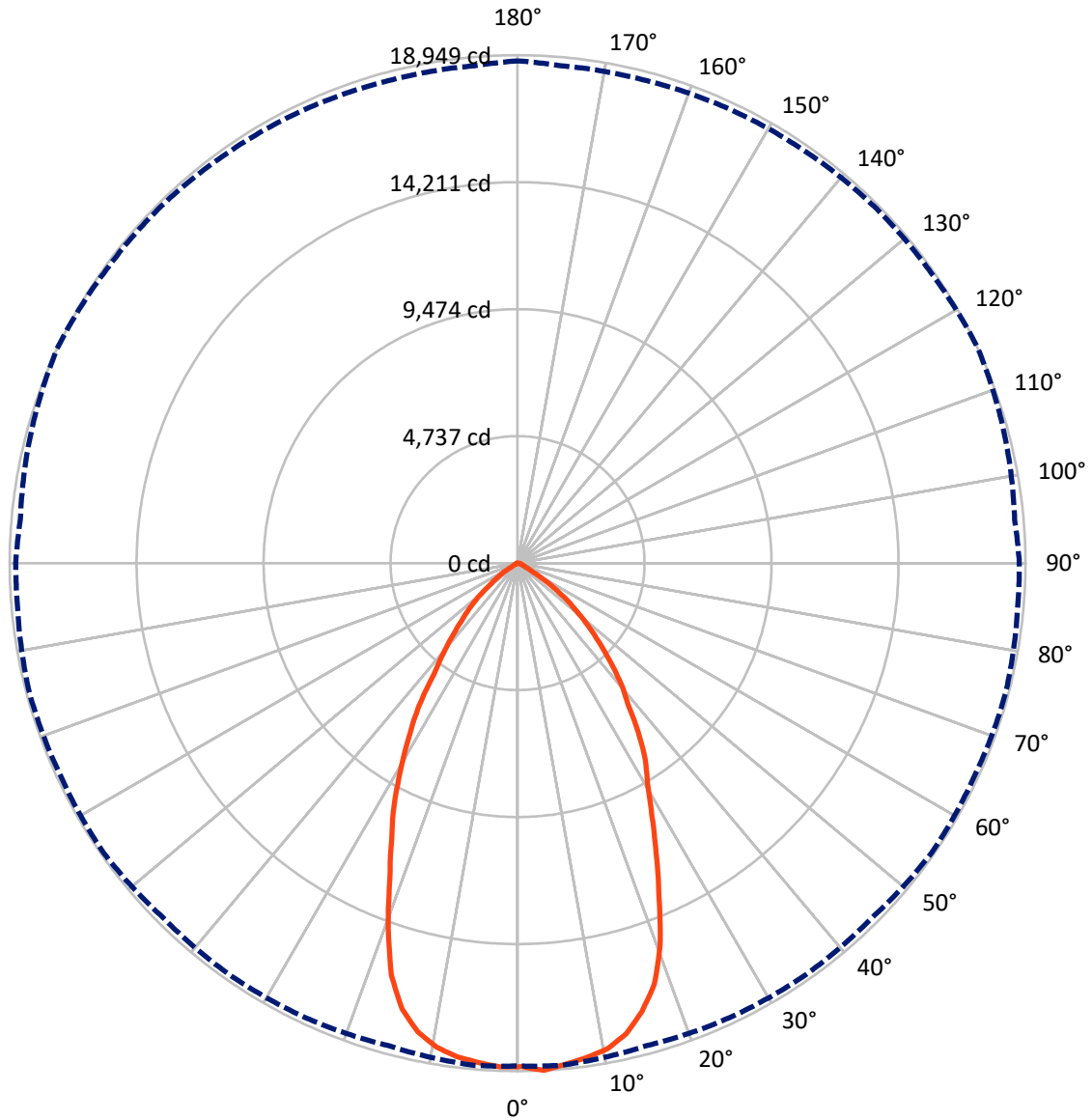
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 47 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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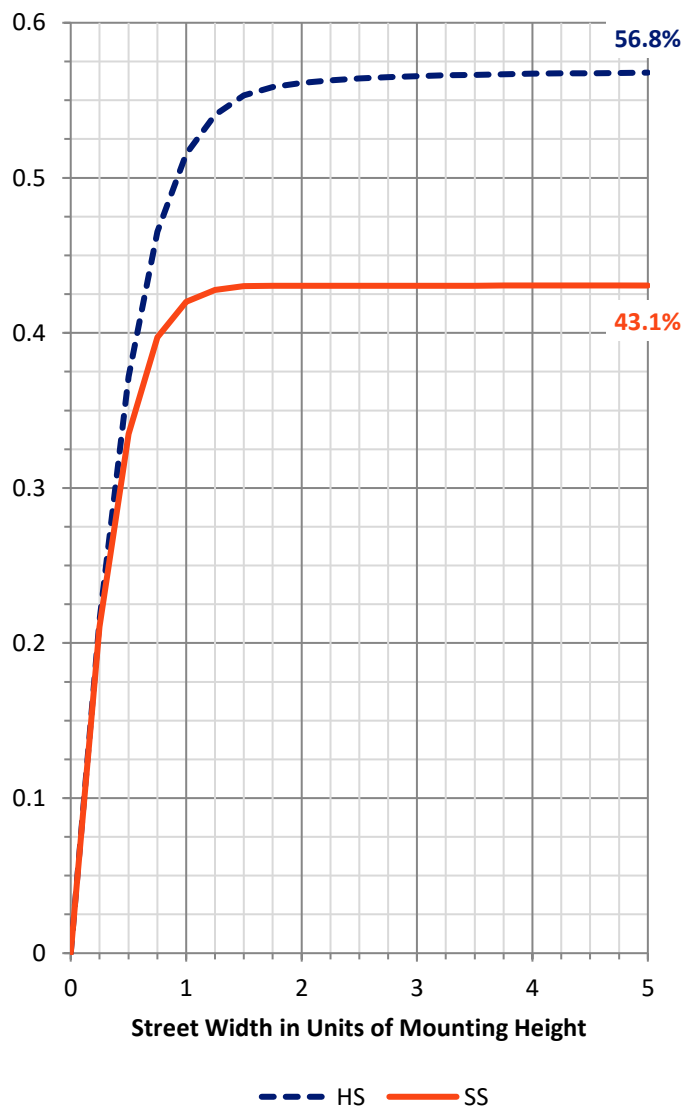
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12117.5	0.0	12117.5
	% Fixture	57.2	0.0	57.2
Street Side	Lumens	9056.3	0.0	9056.3
	% Fixture	42.8	0.0	42.8
Total	Lumens	21173.7	0.0	21173.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1769.5	8.4
10°-20°	4691.7	22.2
20°-30°	5366.3	25.3
30°-40°	4598.8	21.7
40°-50°	3040.9	14.4
50°-60°	1326.9	6.3
60°-70°	260.7	1.2
70°-80°	94.1	0.4
80°-90°	25.0	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°	21173.7	100.0
0°-180°	21173.7	100.0



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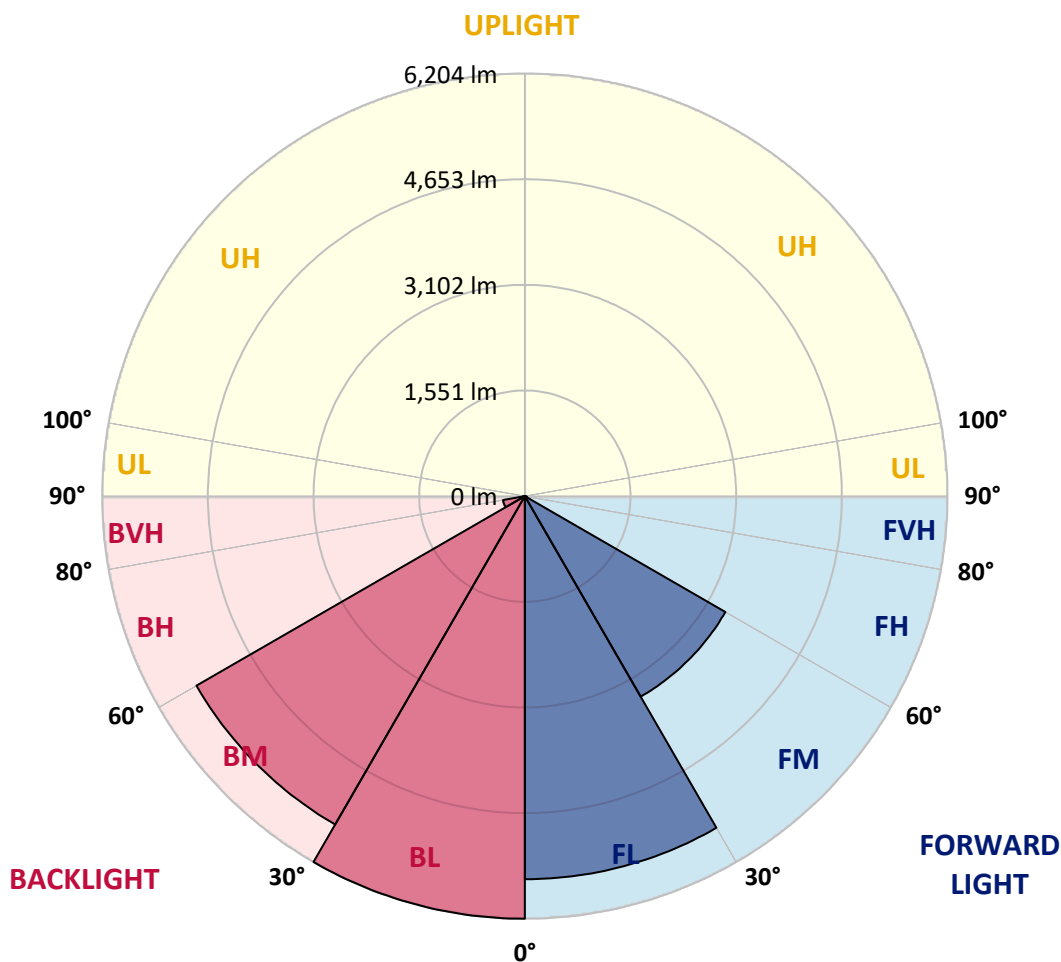
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5623.3	26.6			
FM (30°-60°)	3400.0	16.1			
FH (60°-80°)	28.8	0.1			G0/660
FVH (80°-90°)	4.1	0.0			G0/10
BL (0°-30°)	6204.1	29.3	B5		
BM (30°-60°)	5566.5	26.3	B4/8500		
BH (60°-80°)	326.0	1.5	B1/500		G1/500
BVH (80°-90°)	20.9	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°	18786.4	18786.4	18786.4	18786.4	18786.4	18786.4	18786.4	18786.4	18786.4	18786.4
2.5°	18759.4	18804.5	18633.4	18709.9	18741.4	18700.9	18849.5	18804.5	18840.5	18727.9
5°	18759.4	18804.5	18606.4	18642.4	18651.4	18574.9	18736.9	18682.9	18687.4	18570.4
7.5°	18642.4	18696.4	18516.4	18543.4	18547.9	18484.9	18624.4	18547.9	18520.9	18399.4
10°	18327.4	18358.9	18196.8	18264.4	18327.4	18268.9	18390.4	18304.9	18304.9	18196.8
12.5°	17827.8	17886.3	17706.3	17787.3	17841.3	17773.8	17913.3	17881.8	17886.3	17778.3
15°	16918.6	16716.1	16932.1	17094.1	17098.6	17085.1	17215.7	17184.2	17206.7	17044.6
17.5°	12498.8	12449.3	12701.3	14614.2	16036.4	16230.0	16252.5	16081.5	16004.9	15847.4
20°	11580.6	11616.6	11562.6	11571.6	12692.3	15019.3	14879.7	14456.7	14263.1	14105.6
22.5°	10910.0	10851.5	10815.5	10793.0	10824.5	12341.3	13345.0	12705.8	12602.3	12525.8
25°	10180.9	10153.9	10108.9	10099.9	10081.9	9825.3	11270.1	11328.6	11162.0	11067.5
27.5°	9501.2	9483.2	9433.7	9429.2	9222.2	8601.1	8758.6	10149.4	10104.4	10068.3
30°	8776.6	8740.6	8713.6	8713.6	8088.0	7448.9	7192.3	8848.6	8848.6	8817.1
32.5°	7989.0	7957.5	7966.5	7858.4	7111.3	6526.2	6121.1	7637.9	8110.5	8083.5
35°	4883.4	4874.4	5788.1	6989.8	6112.1	5581.0	5554.0	6535.2	7223.8	7295.8
37.5°	4347.8	4320.8	4334.3	4410.8	5234.5	5022.9	5013.9	5180.5	6148.1	6184.1
40°	3902.2	3884.2	3870.7	3596.2	3335.1	4482.8	4451.3	4343.3	5252.5	5315.5
42.5°	3479.1	3461.1	3461.1	3074.1	2651.0	3686.2	3699.7	3573.7	4428.8	4451.3
45°	3042.6	3029.1	2952.5	2453.0	2331.4	2448.4	3065.1	2921.0	3515.1	3749.2
47.5°	1435.8	1426.8	2065.9	2038.9	2029.9	1957.9	2340.4	2421.4	2790.5	3024.6
50°	1152.2	1143.2	1089.2	958.7	1669.8	1485.3	1687.8	1863.3	1980.4	2196.4
52.5°	954.2	945.2	832.7	738.1	927.2	1084.7	1008.2	1246.7	1242.2	1476.3
55°	625.6	580.6	639.1	603.1	486.1	787.6	769.6	945.2	922.7	1125.2
57.5°	13.5	13.5	31.5	342.1	306.1	333.1	441.1	540.1	607.6	666.1
60°	4.5	4.5	9.0	18.0	126.0	139.5	171.0	198.0	279.1	346.6
62.5°	0.0	0.0	4.5	9.0	18.0	72.0	81.0	94.5	130.5	180.0
65°	0.0	0.0	0.0	4.5	9.0	18.0	27.0	58.5	81.0	103.5
67.5°	0.0	0.0	0.0	4.5	4.5	9.0	18.0	27.0	36.0	72.0
70°	0.0	0.0	0.0	4.5	4.5	9.0	13.5	18.0	27.0	36.0
72.5°	0.0	0.0	0.0	4.5	4.5	13.5	9.0	13.5	18.0	22.5
75°	0.0	0.0	0.0	4.5	4.5	4.5	9.0	13.5	13.5	18.0
77.5°	0.0	0.0	0.0	4.5	9.0	9.0	9.0	9.0	9.0	13.5
80°	0.0	0.0	0.0	4.5	4.5	9.0	13.5	18.0	9.0	9.0
82.5°	0.0	0.0	0.0	9.0	4.5	18.0	27.0	22.5	9.0	4.5
85°	0.0	0.0	0.0	4.5	18.0	22.5	22.5	13.5	4.5	4.5
87.5°	0.0	0.0	0.0	4.5	4.5	9.0	13.5	13.5	4.5	4.5
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°
18786.4	0°	18786.4	18786.4	18786.4	18786.4	18786.4	18786.4	18786.4	18786.4	18786.4
18718.9	2.5°	18615.4	18791.0	18948.5	18849.5	18813.5	18741.4	18687.4	18628.9	18624.4
18556.9	5°	18453.4	18619.9	18772.9	18655.9	18664.9	18628.9	18592.9	18579.4	18588.4
18390.4	7.5°	18313.9	18453.4	18619.9	18520.9	18547.9	18525.4	18507.4	18480.4	18520.9
18174.3	10°	18102.3	18228.3	18421.9	18327.4	18313.9	18291.4	18273.4	18223.8	18246.4
17782.8	12.5°	17638.7	17796.3	18016.8	17908.8	17944.8	17881.8	17854.8	17823.3	17827.8
17103.1	15°	17008.6	17130.1	17355.2	17269.7	17296.7	17256.2	17256.2	17256.2	17287.7
15869.9	17.5°	15910.4	16158.0	16513.5	16405.5	16446.0	16455.0	16446.0	16477.5	16518.0
14114.6	20°	14123.6	14546.7	15194.8	15406.3	15491.8	15496.3	15433.3	15509.8	15590.9
12471.8	22.5°	12480.8	12926.4	13498.0	14078.6	14438.7	14420.6	14429.6	14479.2	14564.7
11009.0	25°	11058.5	11486.1	12003.7	12521.3	13308.9	13471.0	13475.5	13520.5	13588.0
10009.8	27.5°	10032.3	10198.9	10671.5	11193.6	12039.7	12557.3	12530.3	12570.8	12642.8
8758.6	30°	8794.6	9433.7	9541.8	9861.3	10590.4	11540.1	11544.6	11589.6	11661.6
8020.5	32.5°	7998.0	8421.0	8754.1	8763.1	9384.2	10360.9	10554.4	10599.4	10649.0
7255.3	35°	7250.8	7300.3	7750.4	7876.4	8236.5	9204.2	9546.3	9573.3	9654.3
6170.6	37.5°	6274.2	6566.7	6692.7	7142.8	7160.8	7944.0	8623.6	8596.6	8659.6
5311.0	40°	5378.5	5657.5	5977.1	6305.7	6350.7	6935.8	7687.4	7714.4	7741.4
4406.3	42.5°	4442.3	4797.9	5126.4	5347.0	5653.0	5990.6	6706.2	6832.3	6895.3
3776.2	45°	3843.7	3942.7	4334.3	4658.4	4968.9	5126.4	5797.1	6026.6	6067.1
2988.5	47.5°	3029.1	3362.1	3627.7	3902.2	4289.3	4428.8	4914.9	5234.5	5266.0
2218.9	50°	2340.4	2579.0	2943.5	3191.1	3641.2	3717.7	4050.7	4464.8	4505.3
1485.3	52.5°	1674.3	1998.4	2353.9	2592.5	3024.6	3123.6	3371.1	3767.2	3794.2
1138.7	55°	1201.7	1413.3	1705.8	2047.9	2362.9	2583.5	2754.5	3132.6	3168.6
747.1	57.5°	819.2	1017.2	1138.7	1480.8	1669.8	1908.4	2047.9	2335.9	2362.9
355.6	60°	391.6	486.1	580.6	751.6	873.2	1075.7	1165.7	1282.7	1314.2
216.0	62.5°	252.0	297.1	378.1	450.1	567.1	693.1	729.1	828.2	864.2
135.0	65°	166.5	211.5	297.1	315.1	432.1	531.1	576.1	648.1	688.6
81.0	67.5°	94.5	148.5	220.5	261.0	342.1	436.6	486.1	549.1	585.1
54.0	70°	63.0	121.5	175.5	216.0	270.0	351.1	414.1	468.1	490.6
27.0	72.5°	36.0	76.5	121.5	171.0	216.0	292.6	351.1	396.1	261.0
18.0	75°	22.5	58.5	103.5	144.0	180.0	234.0	283.6	279.1	117.0
13.5	77.5°	18.0	45.0	90.0	121.5	148.5	162.0	202.5	229.5	90.0
9.0	80°	13.5	36.0	81.0	103.5	58.5	117.0	157.5	171.0	63.0
9.0	82.5°	9.0	22.5	67.5	72.0	40.5	85.5	126.0	112.5	45.0
4.5	85°	4.5	13.5	22.5	40.5	36.0	40.5	31.5	45.0	31.5
4.5	87.5°	4.5	9.0	18.0	18.0	18.0	13.5	18.0	18.0	18.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



180°
<hr/>
18786.4
18732.4
18700.9
18633.4
18354.4
17958.3
17301.2
16653.1
15644.9
14578.2
13705.0
12710.3
11787.7
10761.5
9739.8
8736.1
7826.9
6985.3
6166.1
5342.5
4563.8
3843.7
3200.1
2416.9
1350.2
873.2
688.6
580.6
486.1
211.5
117.0
90.0
67.5
45.0
31.5
18.0
0.0

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