

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: P636482

Luminaire Tested: **IFLD-S-SA3B-935-U-55-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636482
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3B-935-U-55-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 5 distribution lens and Visor
Light Source: (48) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9349.3 lumens
Efficiency: N/A
Efficacy: 76.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G1

Input Watts (W): 122.4
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

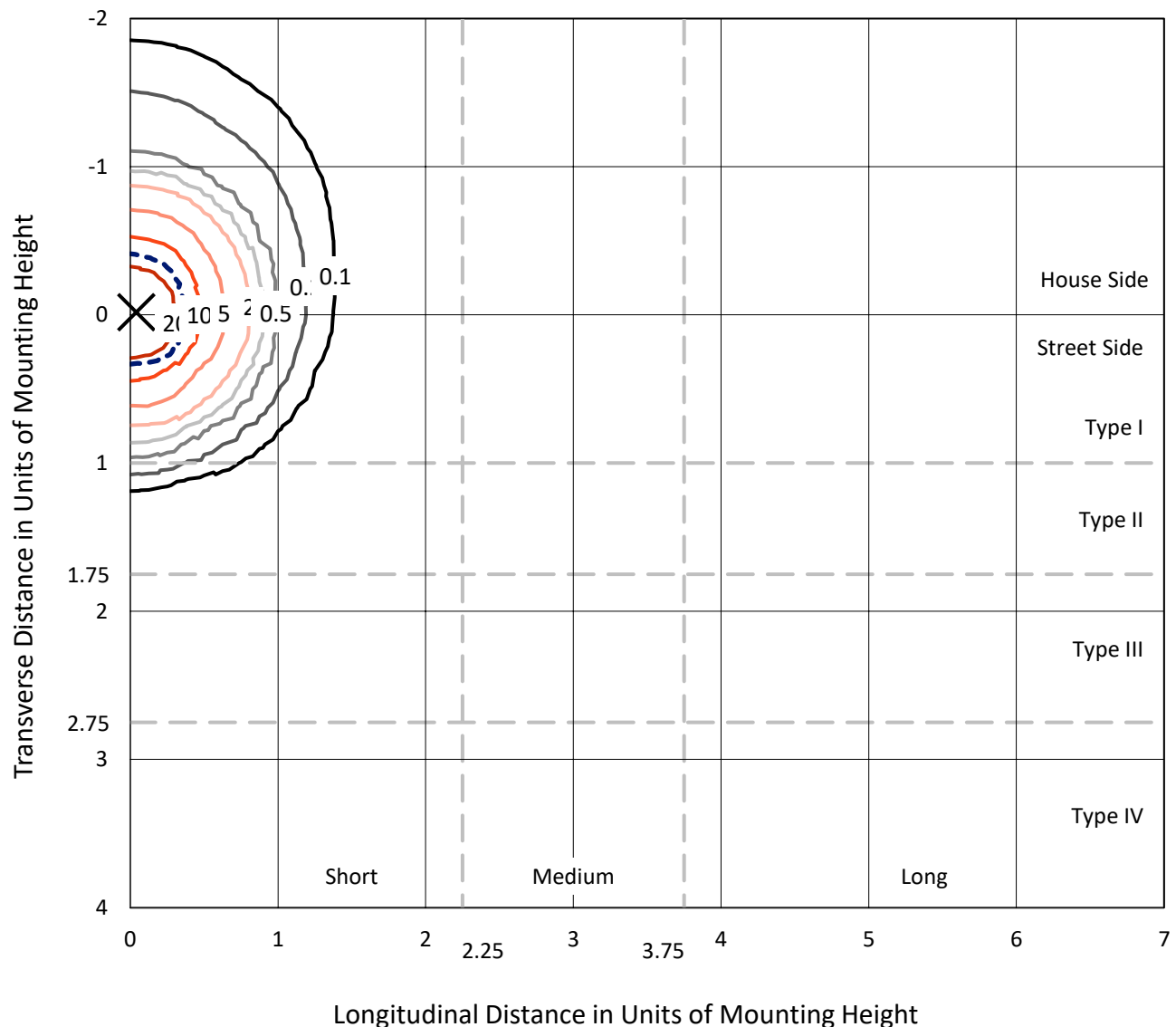


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Iso-Footcandle Lines of Horizontal Illumination

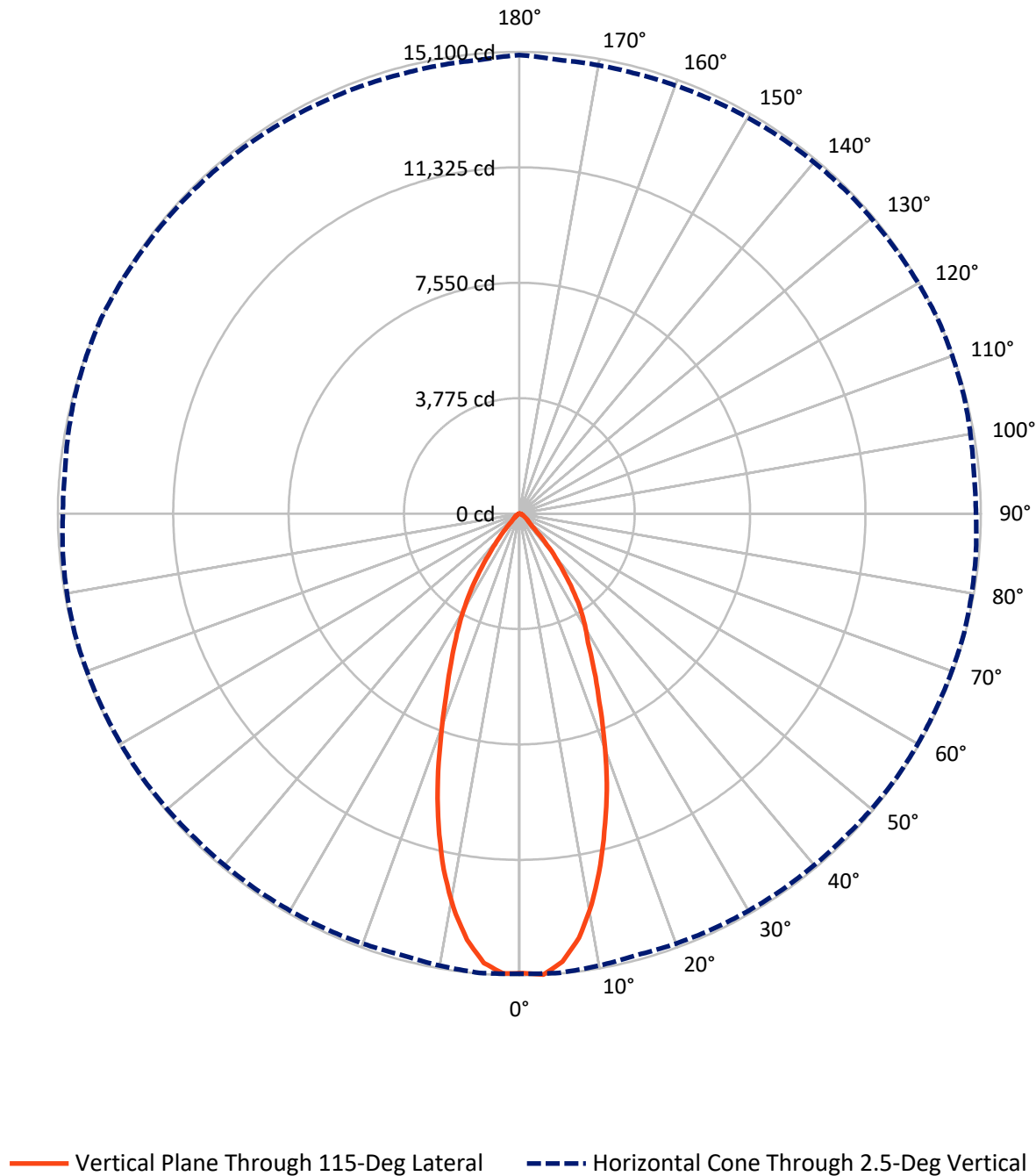
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 37.6 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



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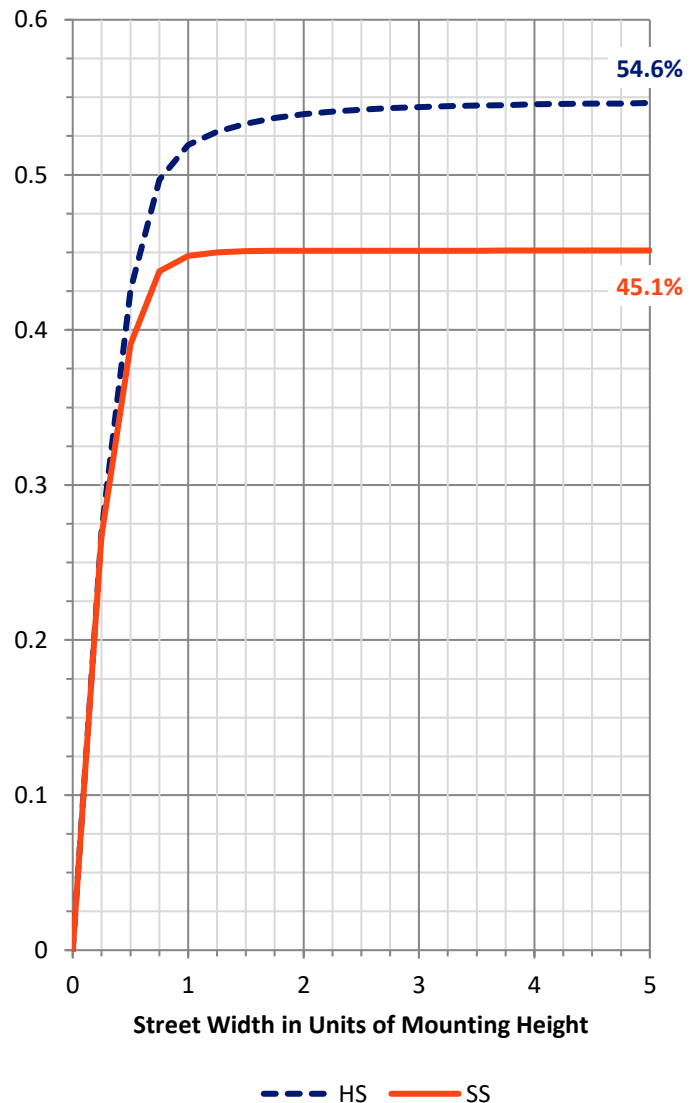
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5159.8	0.0	5159.8
	% Fixture	55.2	0.0	55.2
Street Side	Lumens	4189.6	0.0	4189.6
	% Fixture	44.8	0.0	44.8
Total	Lumens	9349.3	0.0	9349.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1348.0	14.4
10°-20°	2849.0	30.5
20°-30°	2571.4	27.5
30°-40°	1701.6	18.2
40°-50°	509.7	5.5
50°-60°	204.5	2.2
60°-70°	105.9	1.1
70°-80°	46.0	0.5
80°-90°	13.4	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°	9349.3	100.0
0°-180°	9349.3	100.0

Coefficient of Utilization



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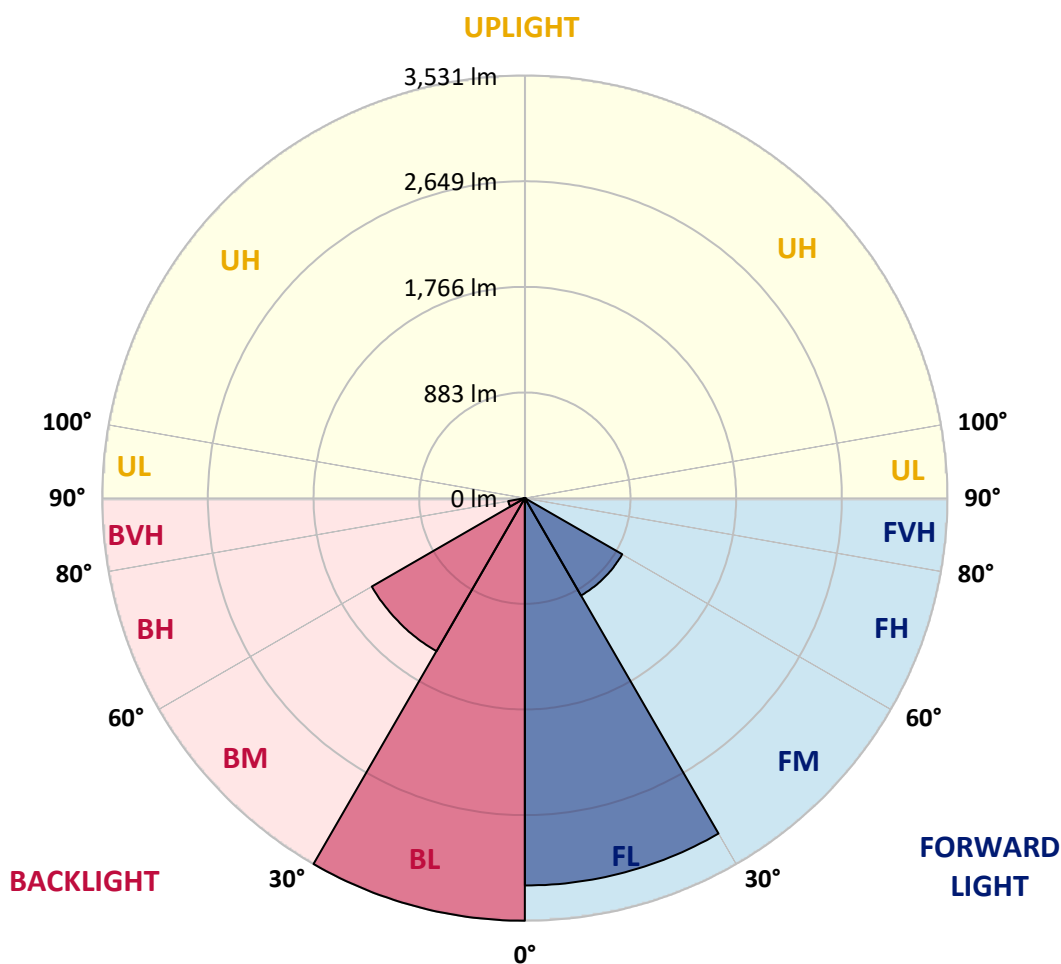
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3236.8	34.6			
FM	(30°-60°)	939.2	10.0			
FH	(60°-80°)	11.6	0.1			G0/660
FVH	(80°-90°)	1.9	0.0			G0/10
BL	(0°-30°)	3531.5	37.8	B4/5000		
BM	(30°-60°)	1476.6	15.8	B2/2500		
BH	(60°-80°)	140.2	1.5	B1/500		G1/500
BVH	(80°-90°)	11.5	0.1			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G1

Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	15029.1	15029.1	15029.1	15029.1	15029.1	15029.1	15029.1	15029.1	15029.1	15029.1
2.5°	15048.2	15075.0	14941.1	14987.0	15006.1	15011.9	15059.7	15052.0	15065.4	14994.7
5°	14849.4	14797.7	14698.3	14700.2	14694.5	14640.9	14749.9	14742.3	14719.3	14635.2
7.5°	14172.5	14247.0	14059.7	14055.8	14052.0	13987.0	14130.4	14042.5	14061.6	13941.1
10°	13182.0	13191.6	13025.2	13009.9	13023.3	12939.2	13105.5	13071.1	13107.4	12981.2
12.5°	11967.8	12021.4	11837.8	11811.0	11864.6	11746.0	11879.9	11897.1	11843.5	11826.3
15°	9386.5	9528.0	9876.0	10407.6	10545.2	10445.8	10552.9	10551.0	10573.9	10443.9
17.5°	7151.2	7164.6	7082.4	7336.7	8809.0	9287.1	9310.0	9128.4	8990.7	8942.9
20°	6243.0	6288.9	6214.3	6235.4	6470.5	7872.1	7925.6	7652.2	7417.0	7397.9
22.5°	5520.2	5548.9	5495.4	5512.6	5524.1	5688.5	6619.7	6378.8	6265.9	6179.9
25°	4908.4	4908.4	4879.7	4885.4	4873.9	4631.1	5109.1	5384.5	5319.5	5288.9
27.5°	4350.0	4357.7	4321.3	4342.4	4202.8	3810.8	3753.4	4566.1	4497.3	4441.8
30°	3820.4	3845.2	3810.8	3822.3	3518.3	3197.0	3032.6	3808.9	3894.9	3879.6
32.5°	2875.8	2988.6	3265.9	3277.3	2864.3	2617.7	2545.0	3057.4	3384.4	3355.7
35°	1782.1	1776.3	1787.8	2338.5	2197.0	2028.7	2055.5	2309.8	2678.9	2665.5
37.5°	1359.5	1357.6	1378.6	1323.2	1439.8	1539.2	1560.3	1560.3	1956.1	1958.0
40°	1030.6	1023.0	1021.1	933.1	782.0	1154.9	1120.5	1091.8	1359.5	1388.2
42.5°	657.8	680.7	663.5	567.9	510.5	631.0	703.7	680.7	839.4	860.4
45°	367.1	367.1	351.8	298.3	296.4	319.3	401.5	374.8	430.2	458.9
47.5°	177.8	174.0	191.2	235.2	244.7	237.1	286.8	298.3	325.1	351.8
50°	143.4	143.4	135.8	122.4	202.7	195.0	212.2	227.5	242.8	265.8
52.5°	120.5	120.5	110.9	103.3	116.6	149.1	151.1	179.7	177.8	210.3
55°	61.2	63.1	89.9	89.9	78.4	122.4	124.3	145.3	149.1	175.9
57.5°	5.7	7.6	11.5	55.5	61.2	66.9	93.7	107.1	124.3	135.8
60°	1.9	1.9	3.8	7.6	36.3	45.9	59.3	70.7	86.0	112.8
62.5°	0.0	0.0	1.9	3.8	7.6	28.7	32.5	36.3	51.6	70.7
65°	0.0	0.0	1.9	1.9	3.8	9.6	13.4	22.9	32.5	44.0
67.5°	0.0	0.0	1.9	1.9	3.8	5.7	7.6	11.5	15.3	28.7
70°	0.0	0.0	1.9	1.9	3.8	5.7	5.7	7.6	9.6	13.4
72.5°	0.0	0.0	1.9	1.9	3.8	7.6	5.7	5.7	7.6	9.6
75°	0.0	0.0	1.9	1.9	3.8	5.7	5.7	5.7	5.7	5.7
77.5°	0.0	0.0	1.9	1.9	3.8	5.7	5.7	5.7	3.8	3.8
80°	0.0	0.0	1.9	1.9	3.8	5.7	7.6	7.6	3.8	3.8
82.5°	0.0	0.0	1.9	3.8	3.8	9.6	11.5	9.6	3.8	1.9
85°	0.0	0.0	1.9	1.9	5.7	9.6	9.6	5.7	3.8	1.9
87.5°	0.0	0.0	0.0	1.9	1.9	3.8	5.7	5.7	1.9	1.9
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°
15029.1	0°	15029.1	15029.1	15029.1	15029.1	15029.1	15029.1	15029.1	15029.1	15029.1
14937.3	2.5°	14929.7	15046.3	15099.8	15044.4	15017.6	14979.4	14923.9	14885.7	14893.3
14589.3	5°	14556.8	14679.2	14721.2	14673.4	14633.3	14612.3	14602.7	14621.8	14671.5
13889.5	7.5°	13885.7	13964.1	14009.9	13987.0	13931.6	13994.6	14011.9	14000.4	14073.0
12943.0	10°	12946.8	13032.9	12990.8	13000.4	12935.3	12967.9	12958.3	13000.4	13073.0
11812.9	12.5°	11736.5	11818.7	11786.2	11780.4	11711.6	11772.8	11734.5	11780.4	11876.0
10390.3	15°	10464.9	10516.5	10495.5	10463.0	10401.8	10422.8	10541.4	10533.8	10575.8
8914.2	17.5°	8876.0	9124.5	9260.3	9289.0	9239.3	9281.3	9365.5	9344.4	9440.0
7357.8	20°	7344.4	7594.9	7929.5	8201.0	8206.7	8212.5	8266.0	8279.4	8361.6
6181.8	22.5°	6155.0	6332.9	6692.3	7051.8	7300.4	7352.0	7346.3	7365.4	7388.3
5246.8	25°	5233.4	5363.4	5692.3	5940.9	6376.8	6522.2	6564.2	6522.2	6535.6
4422.7	27.5°	4472.4	4671.3	4780.2	5046.0	5472.4	5809.0	5795.6	5770.7	5774.5
3849.1	30°	3847.1	4061.3	4221.9	4302.2	4623.5	5109.1	5158.8	5088.1	5090.0
3342.3	32.5°	3321.3	3388.2	3625.3	3690.4	3896.9	4338.6	4508.7	4455.2	4445.6
2673.1	35°	2751.5	2787.8	2896.8	3024.9	3147.3	3481.9	3763.0	3713.3	3738.2
1965.6	37.5°	1958.0	2107.1	2212.3	2317.5	2405.4	2615.8	2954.2	2908.3	2933.2
1392.0	40°	1380.5	1447.5	1629.1	1675.0	1805.0	1902.5	2189.4	2174.1	2204.6
864.3	42.5°	849.0	896.8	988.6	1032.5	1120.5	1175.9	1344.2	1363.3	1403.5
478.0	45°	481.8	502.9	566.0	613.8	678.8	701.7	761.0	787.8	810.7
370.9	47.5°	367.1	390.1	432.1	474.2	527.7	546.9	588.9	629.1	650.1
286.8	50°	300.2	321.2	365.2	399.6	453.2	470.4	504.8	548.8	575.5
218.0	52.5°	227.5	258.1	311.7	348.0	403.5	424.5	457.0	501.0	525.8
179.7	55°	187.4	210.3	258.1	307.8	359.5	388.2	409.2	462.7	489.5
147.2	57.5°	160.6	177.8	208.4	267.7	311.7	353.7	370.9	420.7	447.4
116.6	60°	122.4	149.1	175.9	221.8	271.5	315.5	334.6	378.6	399.6
84.1	62.5°	101.3	118.6	153.0	177.8	233.3	279.2	298.3	338.4	353.7
55.5	65°	70.7	95.6	128.1	143.4	195.0	239.0	265.8	296.4	311.7
32.5	67.5°	42.1	70.7	101.3	122.4	158.7	202.7	231.4	260.0	273.4
19.1	70°	26.8	55.5	80.3	103.3	124.3	166.4	200.8	225.6	219.9
11.5	72.5°	15.3	34.4	59.3	84.1	103.3	139.6	172.1	191.2	135.8
7.6	75°	9.6	24.9	49.7	68.8	84.1	110.9	141.5	145.3	84.1
3.8	77.5°	7.6	19.1	38.2	55.5	57.4	82.2	99.4	112.8	63.1
3.8	80°	3.8	15.3	32.5	45.9	36.3	57.4	76.5	88.0	49.7
1.9	82.5°	3.8	9.6	24.9	32.5	26.8	44.0	55.5	63.1	42.1
1.9	85°	1.9	7.6	13.4	19.1	19.1	28.7	24.9	30.6	26.8
1.9	87.5°	1.9	3.8	7.6	9.6	7.6	11.5	13.4	13.4	11.5
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

180°
15029.1
14996.6
14774.8
14145.7
13101.7
11893.3
10585.4
9424.7
8344.4
7346.3
6514.5
5780.3
5091.9
4468.6
3761.1
2954.2
2216.1
1449.4
808.8
659.7
587.0
543.0
497.1
458.9
403.5
355.7
311.7
271.5
202.7
120.5
78.4
63.1
51.6
45.9
26.8
9.6
0.0

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