

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: P636613

Luminaire Tested: **IFLD-L-SA7B-930-U-66-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636613
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7B-930-U-66-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 6 distribution lens and Visor
Light Source: (112) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18147 lumens
Efficiency: N/A
Efficacy: 64.6 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G1

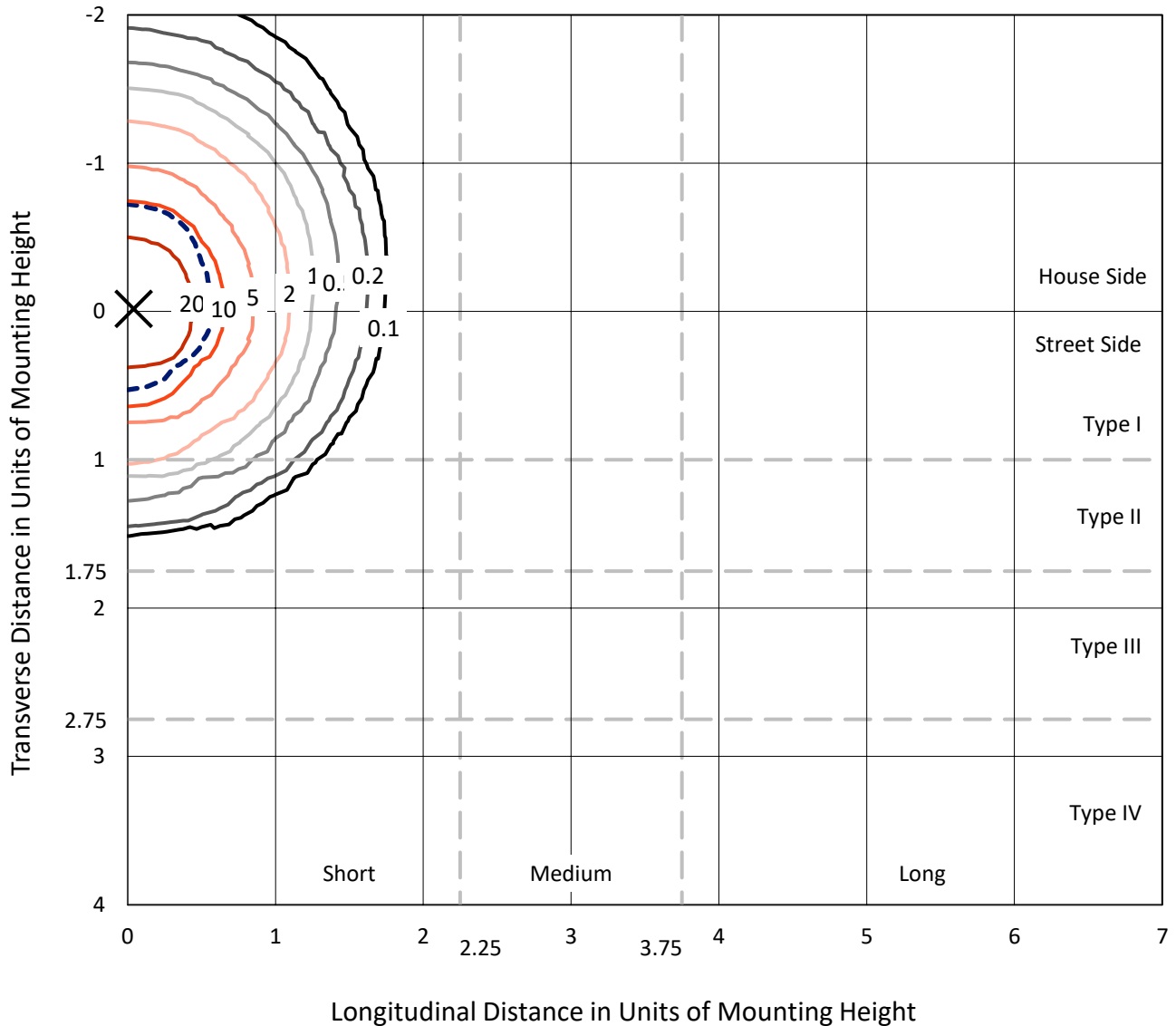
Input Watts (W): 281
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

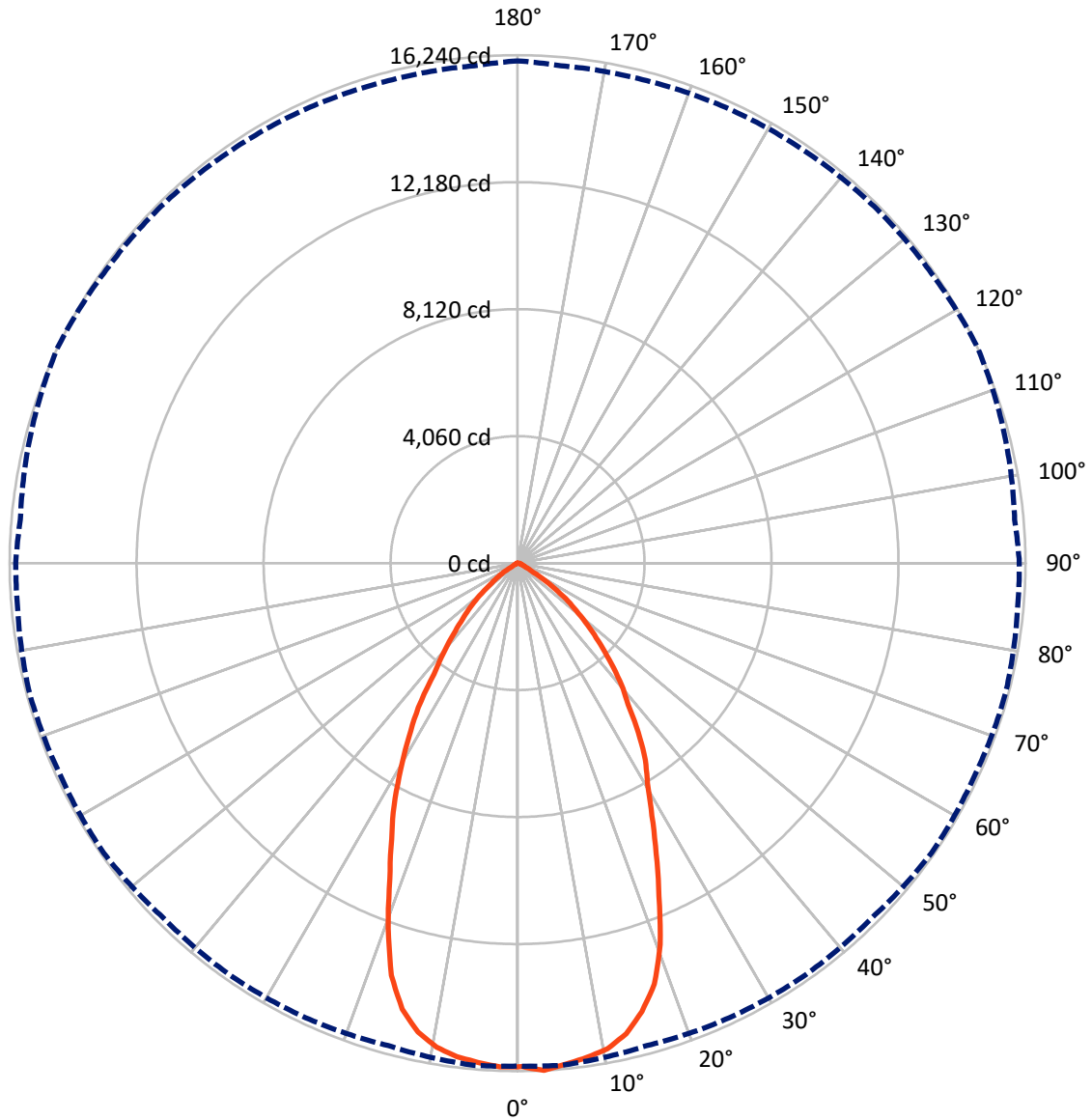
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 40.3 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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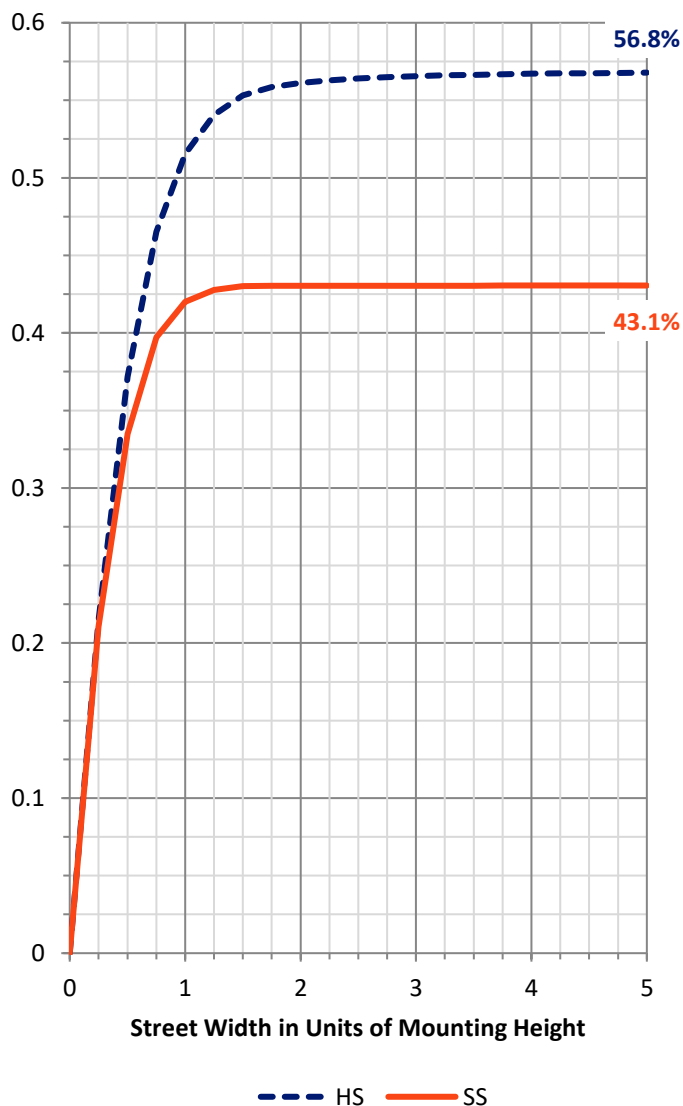
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10385.3	0.0	10385.3
	% Fixture	57.2	0.0	57.2
Street Side	Lumens	7761.7	0.0	7761.7
	% Fixture	42.8	0.0	42.8
Total	Lumens	18147.0	0.0	18147.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1516.5	8.4
10°-20°	4021.0	22.2
20°-30°	4599.2	25.3
30°-40°	3941.4	21.7
40°-50°	2606.2	14.4
50°-60°	1137.2	6.3
60°-70°	223.4	1.2
70°-80°	80.6	0.4
80°-90°	21.4	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°	18147.0	100.0
0°-180°	18147.0	100.0



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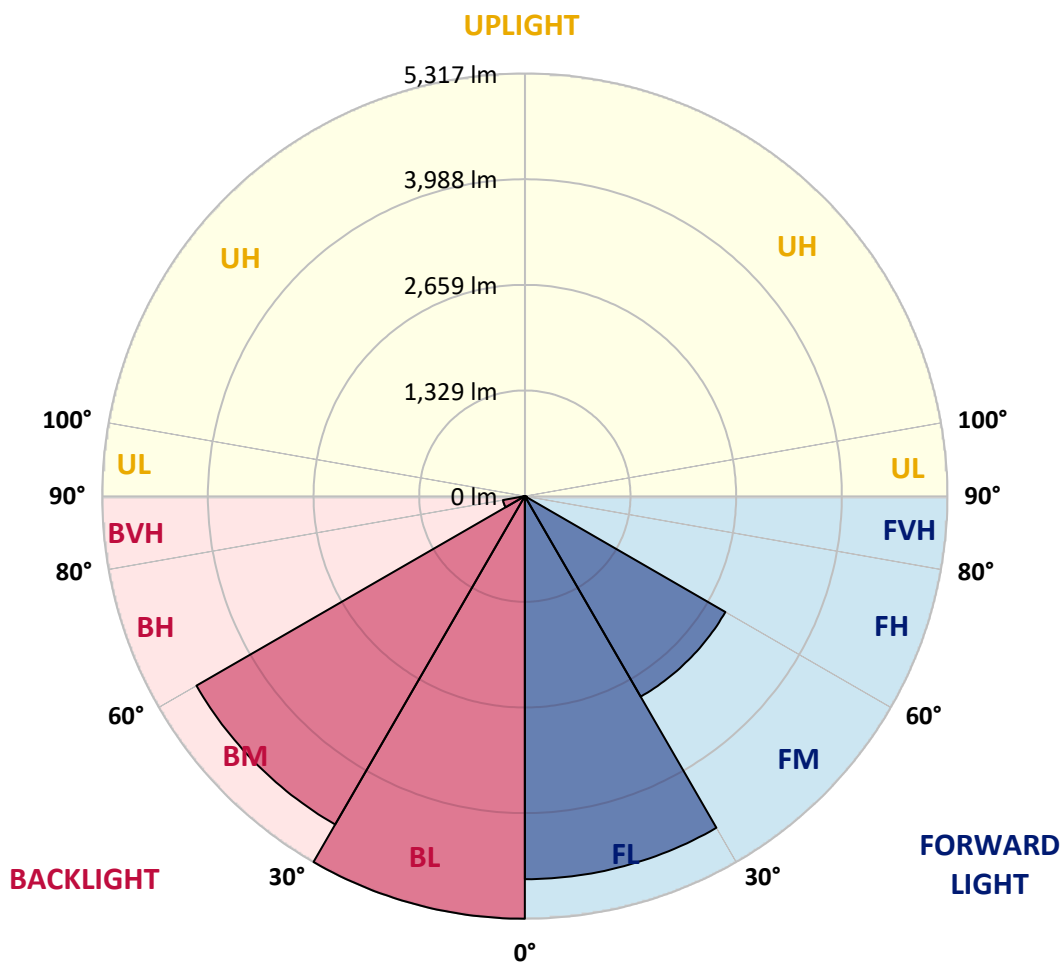
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4819.5	26.6			
FM (30°-60°)	2914.0	16.1			
FH (60°-80°)	24.7	0.1			G0/660
FVH (80°-90°)	3.6	0.0			G0/10
BL (0°-30°)	5317.3	29.3	B5		
BM (30°-60°)	4770.8	26.3	B3/5000		
BH (60°-80°)	279.4	1.5	B1/500		G1/500
BVH (80°-90°)	17.9	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°	16101.0	16101.0	16101.0	16101.0	16101.0	16101.0	16101.0	16101.0	16101.0	16101.0
2.5°	16077.8	16116.4	15969.8	16035.4	16062.4	16027.7	16155.0	16116.4	16147.3	16050.8
5°	16077.8	16116.4	15946.7	15977.5	15985.2	15919.7	16058.5	16012.2	16016.1	15915.8
7.5°	15977.5	16023.8	15869.5	15892.7	15896.5	15842.5	15962.1	15896.5	15873.4	15769.2
10°	15707.5	15734.5	15595.6	15653.5	15707.5	15657.4	15761.5	15688.2	15688.2	15595.6
12.5°	15279.3	15329.5	15175.2	15244.6	15290.9	15233.0	15352.6	15325.6	15329.5	15236.9
15°	14500.1	14326.5	14511.7	14650.6	14654.4	14642.9	14754.7	14727.7	14747.0	14608.1
17.5°	10712.1	10669.7	10885.7	12525.1	13744.1	13909.9	13929.2	13782.6	13717.1	13582.1
20°	9925.2	9956.1	9909.8	9917.5	10878.0	12872.3	12752.7	12390.1	12224.2	12089.2
22.5°	9350.4	9300.3	9269.4	9250.1	9277.2	10577.1	11437.3	10889.6	10800.8	10735.3
25°	8725.5	8702.4	8663.8	8656.1	8640.7	8420.8	9659.0	9709.2	9566.5	9485.5
27.5°	8143.1	8127.6	8085.2	8081.3	7903.9	7371.6	7506.6	8698.5	8660.0	8629.1
30°	7522.0	7491.2	7468.0	7468.0	6931.8	6384.1	6164.2	7583.7	7583.7	7556.7
32.5°	6847.0	6820.0	6827.7	6735.1	6094.8	5593.3	5246.1	6546.1	6951.1	6928.0
35°	4185.3	4177.6	4960.7	5990.6	5238.4	4783.2	4760.1	5601.0	6191.2	6252.9
37.5°	3726.3	3703.1	3714.7	3780.3	4486.2	4304.9	4297.2	4439.9	5269.3	5300.1
40°	3344.4	3329.0	3317.4	3082.1	2858.4	3842.0	3815.0	3722.4	4501.6	4555.6
42.5°	2981.8	2966.4	2966.4	2634.6	2272.0	3159.2	3170.8	3062.8	3795.7	3815.0
45°	2607.6	2596.1	2530.5	2102.3	1998.2	2098.4	2626.9	2503.5	3012.7	3213.3
47.5°	1230.5	1222.8	1770.6	1747.4	1739.7	1678.0	2005.9	2075.3	2391.6	2592.2
50°	987.5	979.8	933.5	821.6	1431.1	1273.0	1446.5	1597.0	1697.3	1882.4
52.5°	817.8	810.1	713.6	632.6	794.6	929.6	864.1	1068.5	1064.7	1265.2
55°	536.2	497.6	547.8	516.9	416.6	675.1	659.6	810.1	790.8	964.4
57.5°	11.6	11.6	27.0	293.2	262.3	285.5	378.0	462.9	520.8	570.9
60°	3.9	3.9	7.7	15.4	108.0	119.6	146.6	169.7	239.2	297.0
62.5°	0.0	0.0	3.9	7.7	15.4	61.7	69.4	81.0	111.9	154.3
65°	0.0	0.0	0.0	3.9	7.7	15.4	23.1	50.1	69.4	88.7
67.5°	0.0	0.0	0.0	3.9	3.9	7.7	15.4	23.1	30.9	61.7
70°	0.0	0.0	0.0	3.9	3.9	7.7	11.6	15.4	23.1	30.9
72.5°	0.0	0.0	0.0	3.9	3.9	11.6	7.7	11.6	15.4	19.3
75°	0.0	0.0	0.0	3.9	3.9	3.9	7.7	11.6	11.6	15.4
77.5°	0.0	0.0	0.0	3.9	7.7	7.7	7.7	7.7	7.7	11.6
80°	0.0	0.0	0.0	3.9	3.9	7.7	11.6	15.4	7.7	7.7
82.5°	0.0	0.0	0.0	7.7	3.9	15.4	23.1	19.3	7.7	3.9
85°	0.0	0.0	0.0	3.9	15.4	19.3	19.3	11.6	3.9	3.9
87.5°	0.0	0.0	0.0	3.9	3.9	7.7	11.6	11.6	3.9	3.9
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°
16101.0	0°	16101.0	16101.0	16101.0	16101.0	16101.0	16101.0	16101.0	16101.0	16101.0
16043.1	2.5°	15954.4	16104.8	16239.8	16155.0	16124.1	16062.4	16016.1	15966.0	15962.1
15904.2	5°	15815.5	15958.2	16089.4	15989.1	15996.8	15966.0	15935.1	15923.5	15931.2
15761.5	7.5°	15695.9	15815.5	15958.2	15873.4	15896.5	15877.2	15861.8	15838.7	15873.4
15576.4	10°	15514.6	15622.6	15788.5	15707.5	15695.9	15676.6	15661.2	15618.8	15638.1
15240.8	12.5°	15117.3	15252.3	15441.3	15348.8	15379.6	15325.6	15302.5	15275.5	15279.3
14658.3	15°	14577.3	14681.4	14874.3	14801.0	14824.2	14789.4	14789.4	14789.4	14816.4
13601.3	17.5°	13636.1	13848.2	14153.0	14060.4	14095.1	14102.8	14095.1	14122.1	14156.8
12096.9	20°	12104.7	12467.3	13022.7	13204.0	13277.3	13281.2	13227.2	13292.7	13362.2
10689.0	22.5°	10696.7	11078.6	11568.5	12066.1	12374.7	12359.2	12367.0	12409.4	12482.7
9435.3	25°	9477.7	9844.2	10287.8	10731.4	11406.5	11545.3	11549.2	11587.8	11645.6
8579.0	27.5°	8598.2	8741.0	9146.0	9593.5	10318.7	10762.3	10739.1	10773.8	10835.6
7506.6	30°	7537.4	8085.2	8177.8	8451.7	9076.6	9890.5	9894.3	9932.9	9994.6
6874.0	32.5°	6854.7	7217.3	7502.7	7510.4	8042.8	8879.8	9045.7	9084.3	9126.7
6218.2	35°	6214.3	6256.8	6642.5	6750.5	7059.1	7888.5	8181.6	8204.8	8274.2
5288.6	37.5°	5377.3	5628.0	5736.0	6121.8	6137.2	6808.4	7390.9	7367.7	7421.7
4551.8	40°	4609.6	4848.8	5122.7	5404.3	5442.9	5944.3	6588.5	6611.7	6634.8
3776.4	42.5°	3807.3	4112.0	4393.6	4582.6	4844.9	5134.3	5747.6	5855.6	5909.6
3236.4	45°	3294.3	3379.1	3714.7	3992.5	4258.6	4393.6	4968.4	5165.1	5199.8
2561.3	47.5°	2596.1	2881.5	3109.1	3344.4	3676.1	3795.7	4212.3	4486.2	4513.2
1901.7	50°	2005.9	2210.3	2522.8	2734.9	3120.7	3186.2	3471.7	3826.6	3861.3
1273.0	52.5°	1435.0	1712.7	2017.4	2221.9	2592.2	2677.1	2889.2	3228.7	3251.8
975.9	55°	1029.9	1211.2	1462.0	1755.1	2025.2	2214.2	2360.8	2684.8	2715.6
640.3	57.5°	702.1	871.8	975.9	1269.1	1431.1	1635.6	1755.1	2002.0	2025.2
304.7	60°	335.6	416.6	497.6	644.2	748.3	921.9	999.1	1099.4	1126.4
185.2	62.5°	216.0	254.6	324.0	385.7	486.0	594.0	624.9	709.8	740.6
115.7	65°	142.7	181.3	254.6	270.0	370.3	455.2	493.8	555.5	590.2
69.4	67.5°	81.0	127.3	189.0	223.7	293.2	374.2	416.6	470.6	501.5
46.3	70°	54.0	104.2	150.4	185.2	231.4	300.9	354.9	401.2	420.5
23.1	72.5°	30.9	65.6	104.2	146.6	185.2	250.7	300.9	339.5	223.7
15.4	75°	19.3	50.1	88.7	123.4	154.3	200.6	243.0	239.2	100.3
11.6	77.5°	15.4	38.6	77.1	104.2	127.3	138.9	173.6	196.7	77.1
7.7	80°	11.6	30.9	69.4	88.7	50.1	100.3	135.0	146.6	54.0
7.7	82.5°	7.7	19.3	57.9	61.7	34.7	73.3	108.0	96.4	38.6
3.9	85°	3.9	11.6	19.3	34.7	30.9	34.7	27.0	38.6	27.0
3.9	87.5°	3.9	7.7	15.4	15.4	15.4	11.6	15.4	15.4	15.4
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



180°
16101.0
16054.7
16027.7
15969.8
15730.7
15391.2
14828.0
14272.5
13408.5
12494.3
11745.9
10893.4
10102.6
9223.1
8347.5
7487.3
6708.1
5986.8
5284.7
4578.8
3911.4
3294.3
2742.6
2071.4
1157.2
748.3
590.2
497.6
416.6
181.3
100.3
77.1
57.9
38.6
27.0
15.4
0.0

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