

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: P636497

Luminaire Tested: **IFLD-L-SA7B-935-U-55-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636497
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7B-935-U-55-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 5 distribution lens and Visor
Light Source: (112) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19567 lumens
Efficiency: N/A
Efficacy: 69.6 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



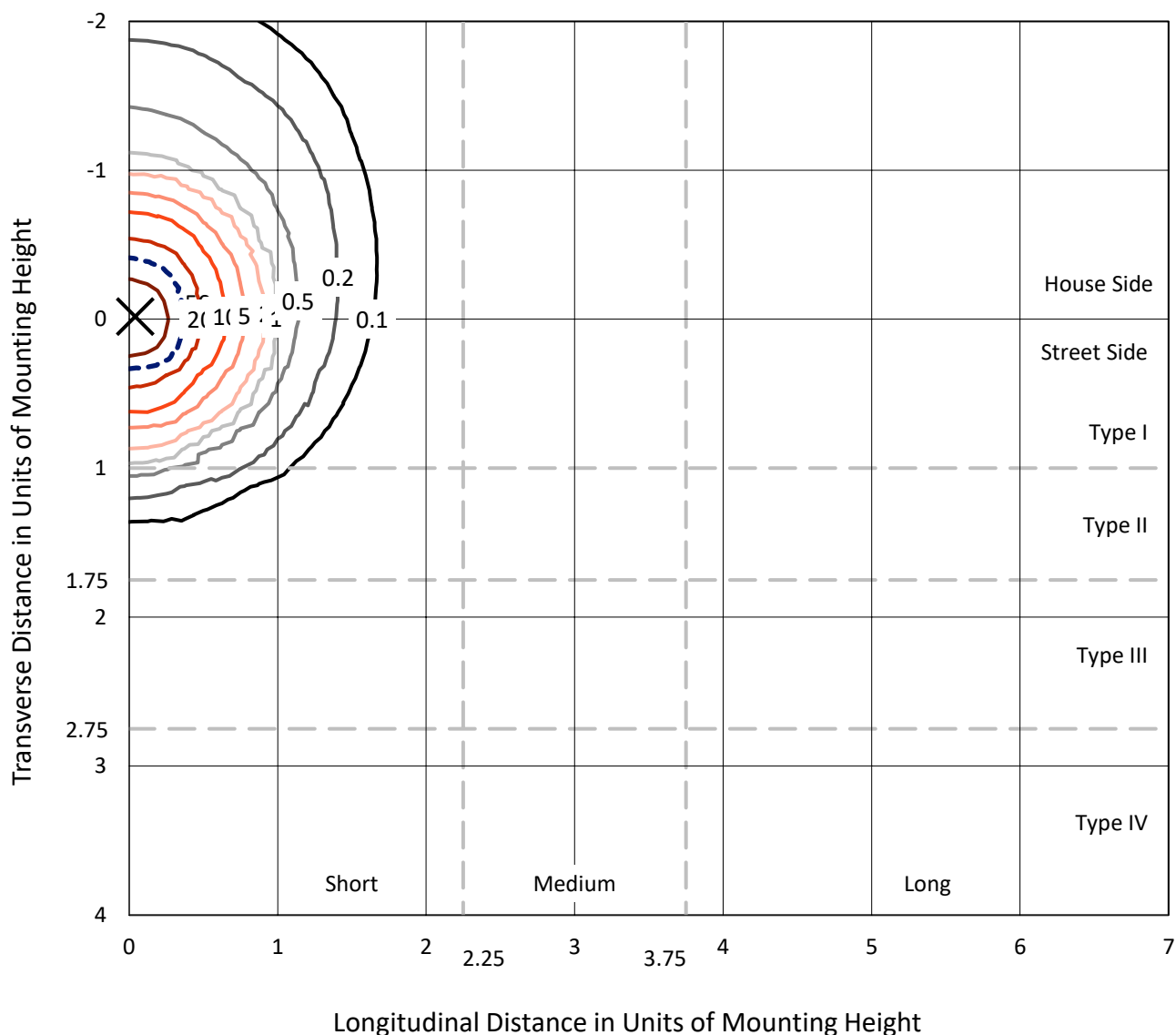
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

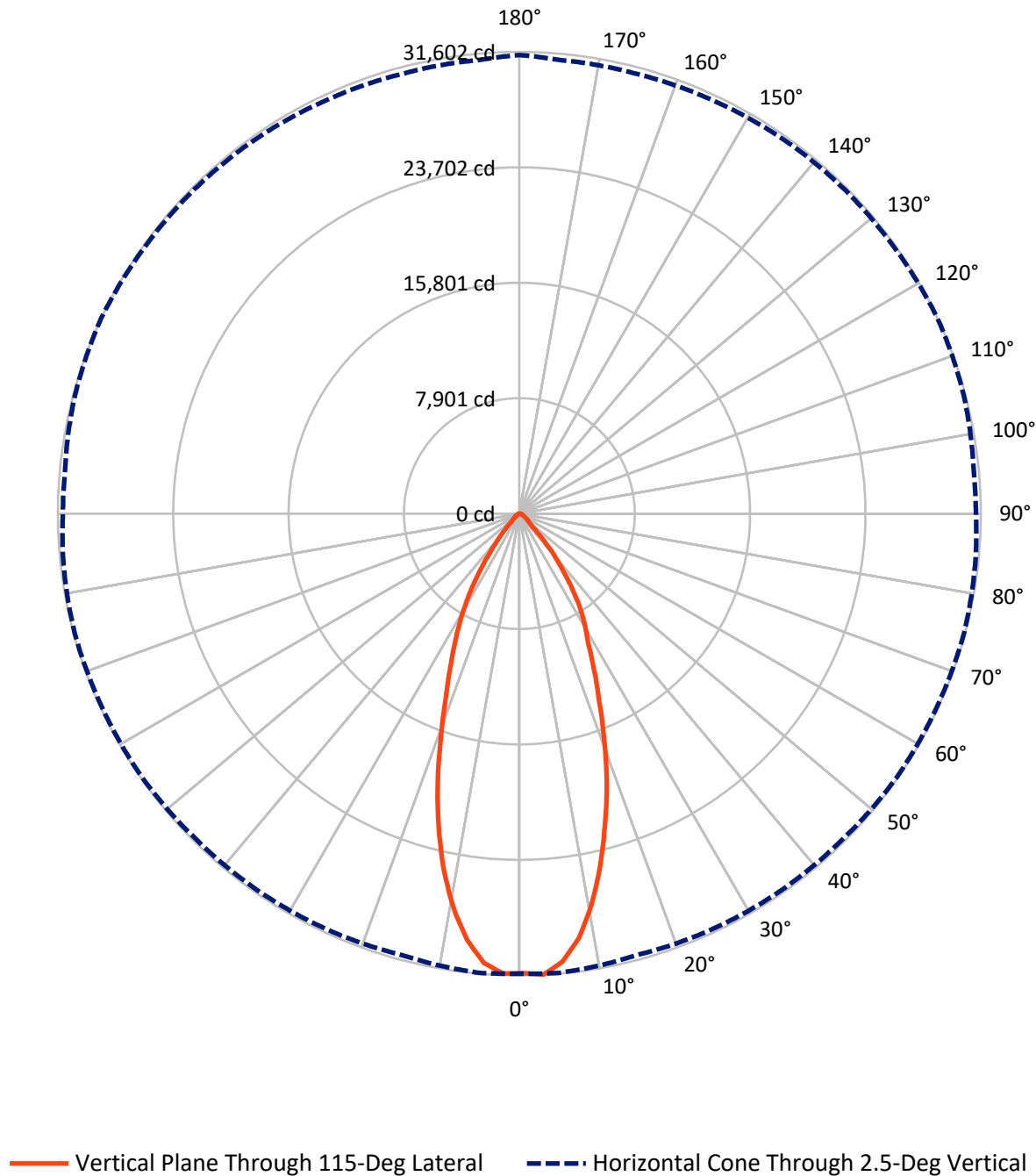


Based on 20 foot mounting height. Maximum calculated value = 78.6 fc

Type I - Short - N/A

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Luminous Intensity Polar Plot



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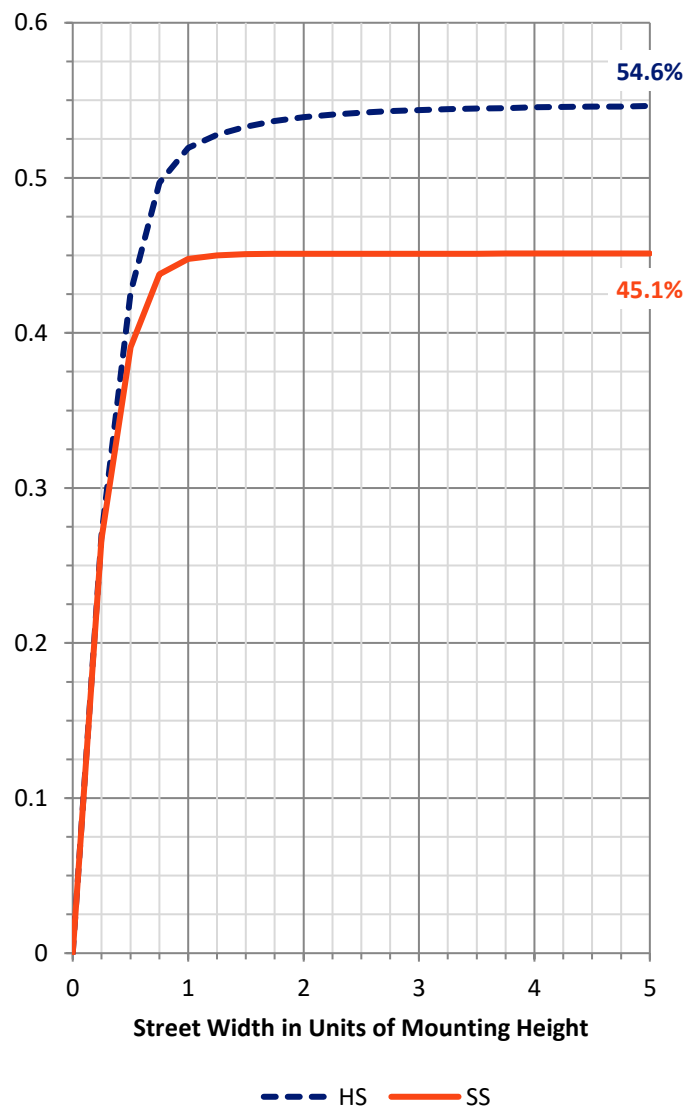
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10798.7	0.0	10798.7
	% Fixture	55.2	0.0	55.2
Street Side	Lumens	8768.3	0.0	8768.3
	% Fixture	44.8	0.0	44.8
Total	Lumens	19567.0	0.0	19567.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2821.2	14.4
10°-20°	5962.5	30.5
20°-30°	5381.5	27.5
30°-40°	3561.3	18.2
40°-50°	1066.8	5.5
50°-60°	427.9	2.2
60°-70°	221.6	1.1
70°-80°	96.2	0.5
80°-90°	28.0	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°	19567.0	100.0
0°-180°	19567.0	100.0

Coefficient of Utilization



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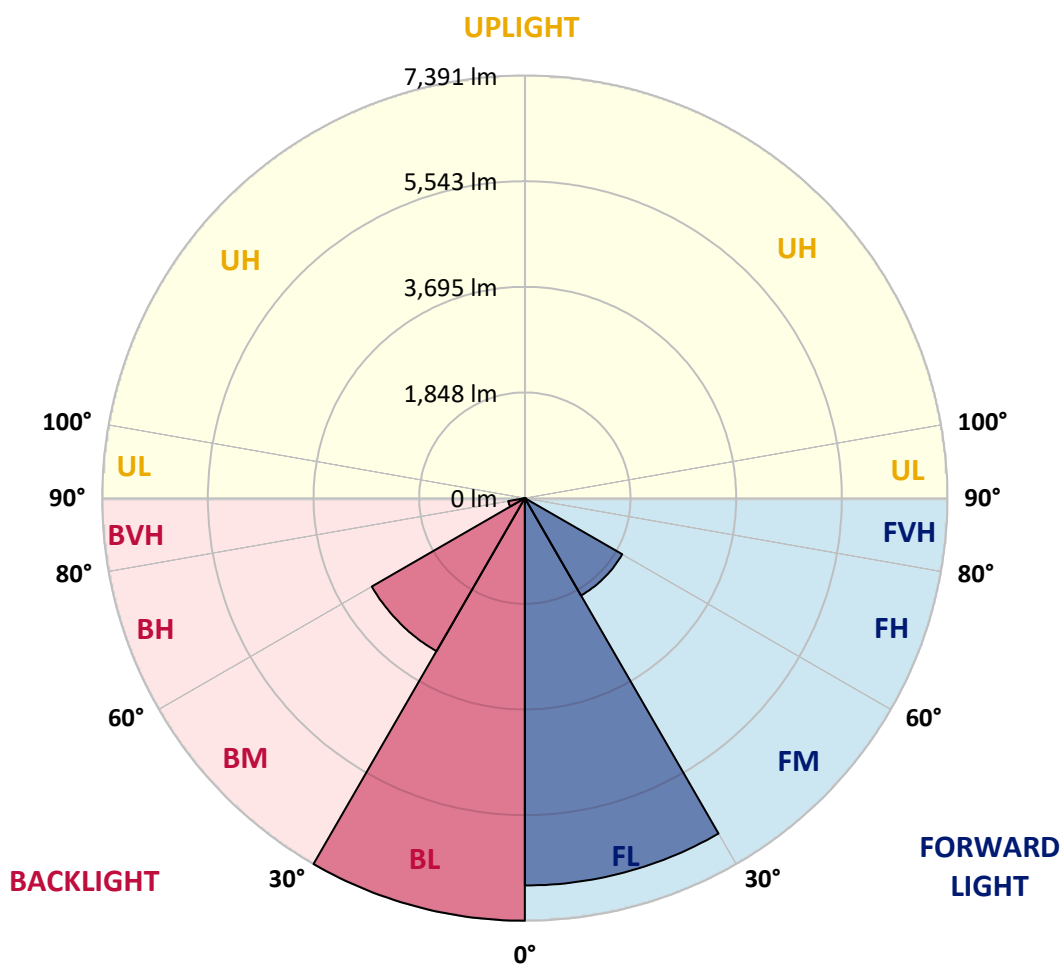
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	6774.3	34.6			
FM	(30°-60°)	1965.7	10.0			
FH	(60°-80°)	24.3	0.1			G0/660
FVH	(80°-90°)	4.0	0.0			G0/10
BL	(0°-30°)	7391.0	37.8	B5		
BM	(30°-60°)	3090.3	15.8	B3/5000		
BH	(60°-80°)	293.5	1.5	B1/500		G1/500
BVH	(80°-90°)	24.0	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°	31454.0	31454.0	31454.0	31454.0	31454.0	31454.0	31454.0	31454.0	31454.0	31454.0
2.5°	31494.0	31550.1	31269.9	31366.0	31406.0	31418.0	31518.0	31502.0	31530.1	31382.0
5°	31077.9	30969.8	30761.7	30765.7	30753.7	30641.7	30869.8	30853.8	30805.7	30629.7
7.5°	29661.2	29817.3	29425.1	29417.1	29409.1	29273.0	29573.2	29389.1	29429.1	29177.0
10°	27588.3	27608.3	27260.2	27228.1	27256.1	27080.1	27428.2	27356.2	27432.2	27168.1
12.5°	25047.2	25159.2	24775.0	24719.0	24831.1	24583.0	24863.1	24899.1	24787.0	24751.0
15°	19644.8	19940.9	20669.2	21781.7	22069.8	21861.7	22085.8	22081.8	22129.9	21857.7
17.5°	14966.7	14994.7	14822.6	15354.8	18436.2	19436.7	19484.7	19104.5	18816.4	18716.3
20°	13065.8	13161.9	13005.8	13049.8	13542.0	16475.3	16587.4	16015.1	15522.9	15482.9
22.5°	11553.1	11613.2	11501.1	11537.1	11561.2	11905.3	13854.2	13350.0	13113.8	12933.8
25°	10272.6	10272.6	10212.6	10224.6	10200.5	9692.3	10692.8	11269.0	11133.0	11068.9
27.5°	9104.1	9120.1	9044.0	9088.1	8795.9	7975.6	7855.5	9556.3	9412.2	9296.1
30°	7995.6	8047.6	7975.6	7999.6	7363.3	6691.0	6346.8	7971.6	8151.6	8119.6
32.5°	6018.7	6254.8	6835.0	6859.1	5994.7	5478.4	5326.4	6398.9	7083.2	7023.1
35°	3729.7	3717.7	3741.7	4894.2	4598.0	4245.9	4301.9	4834.2	5606.5	5578.5
37.5°	2845.3	2841.3	2885.3	2769.2	3013.3	3221.4	3265.5	3265.5	4093.8	4097.8
40°	2157.0	2141.0	2137.0	1952.9	1636.7	2417.1	2345.0	2285.0	2845.3	2905.3
42.5°	1376.6	1424.6	1388.6	1188.5	1068.5	1320.6	1472.7	1424.6	1756.8	1800.8
45°	768.3	768.3	736.3	624.3	620.3	668.3	840.4	784.3	900.4	960.4
47.5°	372.2	364.2	400.2	492.2	512.2	496.2	600.3	624.3	680.3	736.3
50°	300.1	300.1	284.1	256.1	424.2	408.2	444.2	476.2	508.2	556.2
52.5°	252.1	252.1	232.1	216.1	244.1	312.1	316.1	376.2	372.2	440.2
55°	128.1	132.1	188.1	188.1	164.1	256.1	260.1	304.1	312.1	368.2
57.5°	12.0	16.0	24.0	116.1	128.1	140.1	196.1	224.1	260.1	284.1
60°	4.0	4.0	8.0	16.0	76.0	96.0	124.1	148.1	180.1	236.1
62.5°	0.0	0.0	4.0	8.0	16.0	60.0	68.0	76.0	108.0	148.1
65°	0.0	0.0	4.0	4.0	8.0	20.0	28.0	48.0	68.0	92.0
67.5°	0.0	0.0	4.0	4.0	8.0	12.0	16.0	24.0	32.0	60.0
70°	0.0	0.0	4.0	4.0	8.0	12.0	12.0	16.0	20.0	28.0
72.5°	0.0	0.0	4.0	4.0	8.0	16.0	12.0	12.0	16.0	20.0
75°	0.0	0.0	4.0	4.0	8.0	12.0	12.0	12.0	12.0	12.0
77.5°	0.0	0.0	4.0	4.0	8.0	12.0	12.0	12.0	8.0	8.0
80°	0.0	0.0	4.0	4.0	8.0	12.0	16.0	16.0	8.0	8.0
82.5°	0.0	0.0	4.0	8.0	8.0	20.0	24.0	20.0	8.0	4.0
85°	0.0	0.0	4.0	4.0	12.0	20.0	20.0	12.0	8.0	4.0
87.5°	0.0	0.0	0.0	4.0	4.0	8.0	12.0	12.0	4.0	4.0
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°
31454.0	0°	31454.0	31454.0	31454.0	31454.0	31454.0	31454.0	31454.0	31454.0	31454.0
31261.9	2.5°	31245.9	31490.0	31602.1	31486.0	31430.0	31350.0	31233.9	31153.9	31169.9
30533.6	5°	30465.6	30721.7	30809.7	30709.7	30625.7	30581.6	30561.6	30601.6	30705.7
29069.0	7.5°	29061.0	29225.0	29321.1	29273.0	29157.0	29289.1	29325.1	29301.1	29453.1
27088.1	10°	27096.1	27276.2	27188.1	27208.1	27072.1	27140.1	27120.1	27208.1	27360.2
24723.0	12.5°	24562.9	24735.0	24667.0	24655.0	24510.9	24639.0	24558.9	24655.0	24855.1
21745.7	15°	21901.8	22009.8	21965.8	21897.8	21769.7	21813.7	22061.8	22045.8	22133.9
18656.3	17.5°	18576.3	19096.5	19380.6	19440.7	19336.6	19424.7	19600.7	19556.7	19756.8
15398.9	20°	15370.9	15895.1	16595.4	17163.7	17175.7	17187.7	17299.7	17327.7	17499.8
12937.8	22.5°	12881.7	13253.9	14006.2	14758.6	15278.8	15386.9	15374.9	15414.9	15462.9
10980.9	25°	10952.9	11225.0	11913.3	12433.5	13345.9	13650.1	13738.1	13650.1	13678.1
9256.1	27.5°	9360.2	9776.4	10004.5	10560.7	11453.1	12157.4	12129.4	12077.4	12085.4
8055.6	30°	8051.6	8499.8	8835.9	9004.0	9676.3	10692.8	10796.8	10648.7	10652.7
6995.1	32.5°	6951.1	7091.2	7587.4	7723.4	8155.6	9080.0	9436.2	9324.2	9304.1
5594.5	35°	5758.6	5834.6	6062.7	6330.8	6586.9	7287.2	7875.5	7771.5	7823.5
4113.8	37.5°	4097.8	4410.0	4630.1	4850.2	5034.2	5474.4	6182.8	6086.7	6138.7
2913.3	40°	2889.3	3029.4	3409.5	3505.6	3777.7	3981.8	4582.0	4550.0	4614.1
1808.8	42.5°	1776.8	1876.8	2068.9	2161.0	2345.0	2461.1	2813.3	2853.3	2937.3
1000.4	45°	1008.4	1052.5	1184.5	1284.6	1420.6	1468.7	1592.7	1648.7	1696.8
776.3	47.5°	768.3	816.4	904.4	992.4	1104.5	1144.5	1232.5	1316.6	1360.6
600.3	50°	628.3	672.3	764.3	836.4	948.4	984.4	1056.5	1148.5	1204.5
456.2	52.5°	476.2	540.2	652.3	728.3	844.4	888.4	956.4	1048.5	1100.5
376.2	55°	392.2	440.2	540.2	644.3	752.3	812.4	856.4	968.4	1024.5
308.1	57.5°	336.1	372.2	436.2	560.2	652.3	740.3	776.3	880.4	936.4
244.1	60°	256.1	312.1	368.2	464.2	568.3	660.3	700.3	792.4	836.4
176.1	62.5°	212.1	248.1	320.1	372.2	488.2	584.3	624.3	708.3	740.3
116.1	65°	148.1	200.1	268.1	300.1	408.2	500.2	556.2	620.3	652.3
68.0	67.5°	88.0	148.1	212.1	256.1	332.1	424.2	484.2	544.2	572.3
40.0	70°	56.0	116.1	168.1	216.1	260.1	348.2	420.2	472.2	460.2
24.0	72.5°	32.0	72.0	124.1	176.1	216.1	292.1	360.2	400.2	284.1
16.0	75°	20.0	52.0	104.0	144.1	176.1	232.1	296.1	304.1	176.1
8.0	77.5°	16.0	40.0	80.0	116.1	120.1	172.1	208.1	236.1	132.1
8.0	80°	8.0	32.0	68.0	96.0	76.0	120.1	160.1	184.1	104.0
4.0	82.5°	8.0	20.0	52.0	68.0	56.0	92.0	116.1	132.1	88.0
4.0	85°	4.0	16.0	28.0	40.0	40.0	60.0	52.0	64.0	56.0
4.0	87.5°	4.0	8.0	16.0	20.0	16.0	24.0	28.0	28.0	24.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

180°
31454.0
31386.0
30921.8
29605.2
27420.2
24891.1
22153.9
19724.8
17463.8
15374.9
13634.1
12097.4
10656.8
9352.2
7871.5
6182.8
4638.1
3033.4
1692.8
1380.6
1228.5
1136.5
1040.5
960.4
844.4
744.3
652.3
568.3
424.2
252.1
164.1
132.1
108.0
96.0
56.0
20.0
0.0

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