

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: P637675

Luminaire Tested: **IFLD-S-SA6A-750-U-55-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P637675
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6A-750-U-55-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 5 distribution lens and Visor
Light Source: (96) 5000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25933.3 lumens
Efficiency: N/A
Efficacy: 136.8 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): 189.6
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



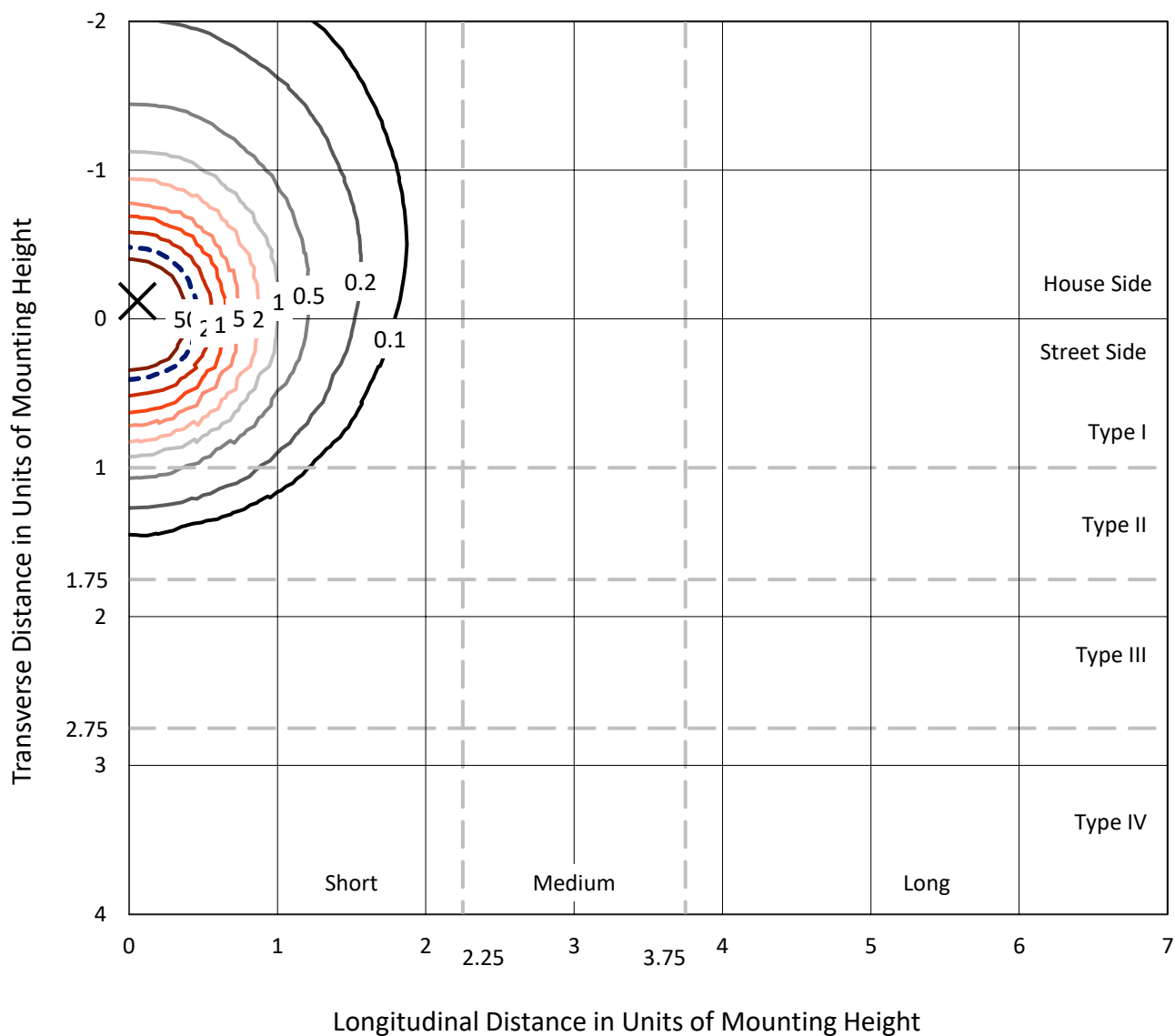
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

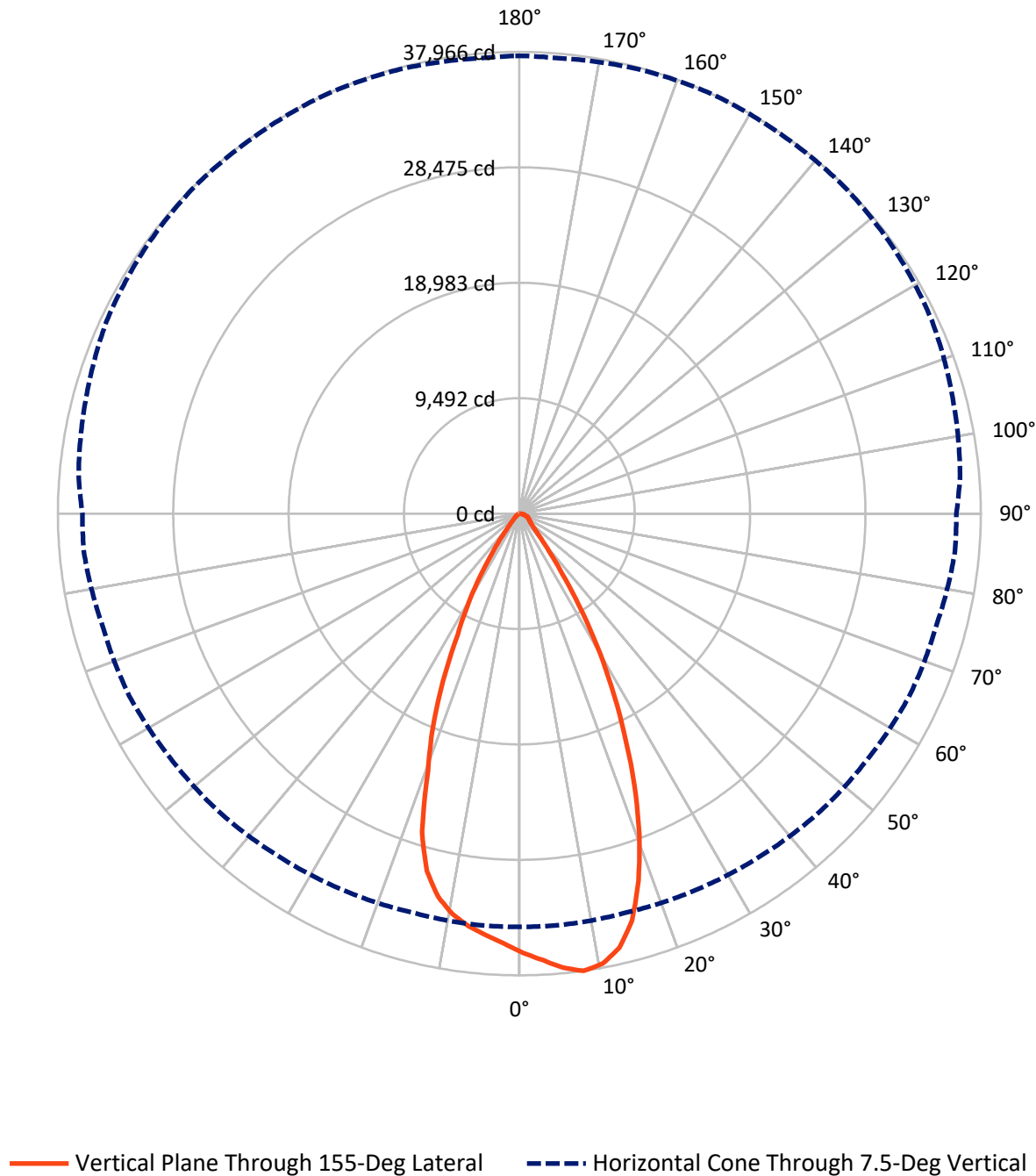


Based on 20 foot mounting height. Maximum calculated value = 91.8 fc

Type I - Short - N/A

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Luminous Intensity Polar Plot



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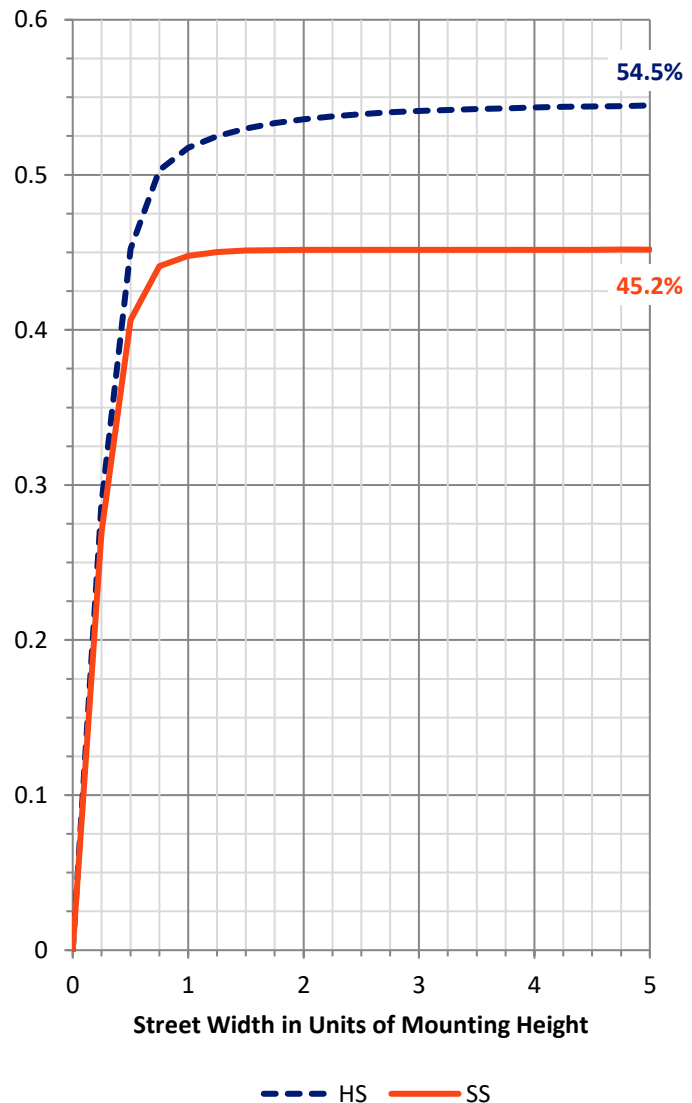
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14316.1	0.0	14316.1
	% Fixture	55.2	0.0	55.2
Street Side	Lumens	11617.2	0.0	11617.2
	% Fixture	44.8	0.0	44.8
Total	Lumens	25933.3	0.0	25933.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3445.0	13.3
10°-20°	8932.8	34.4
20°-30°	8184.9	31.6
30°-40°	3306.7	12.8
40°-50°	970.0	3.7
50°-60°	542.4	2.1
60°-70°	329.4	1.3
70°-80°	167.4	0.6
80°-90°	54.7	0.2
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°	25933.3	100.0
0°-180°	25933.3	100.0

Coefficient of Utilization



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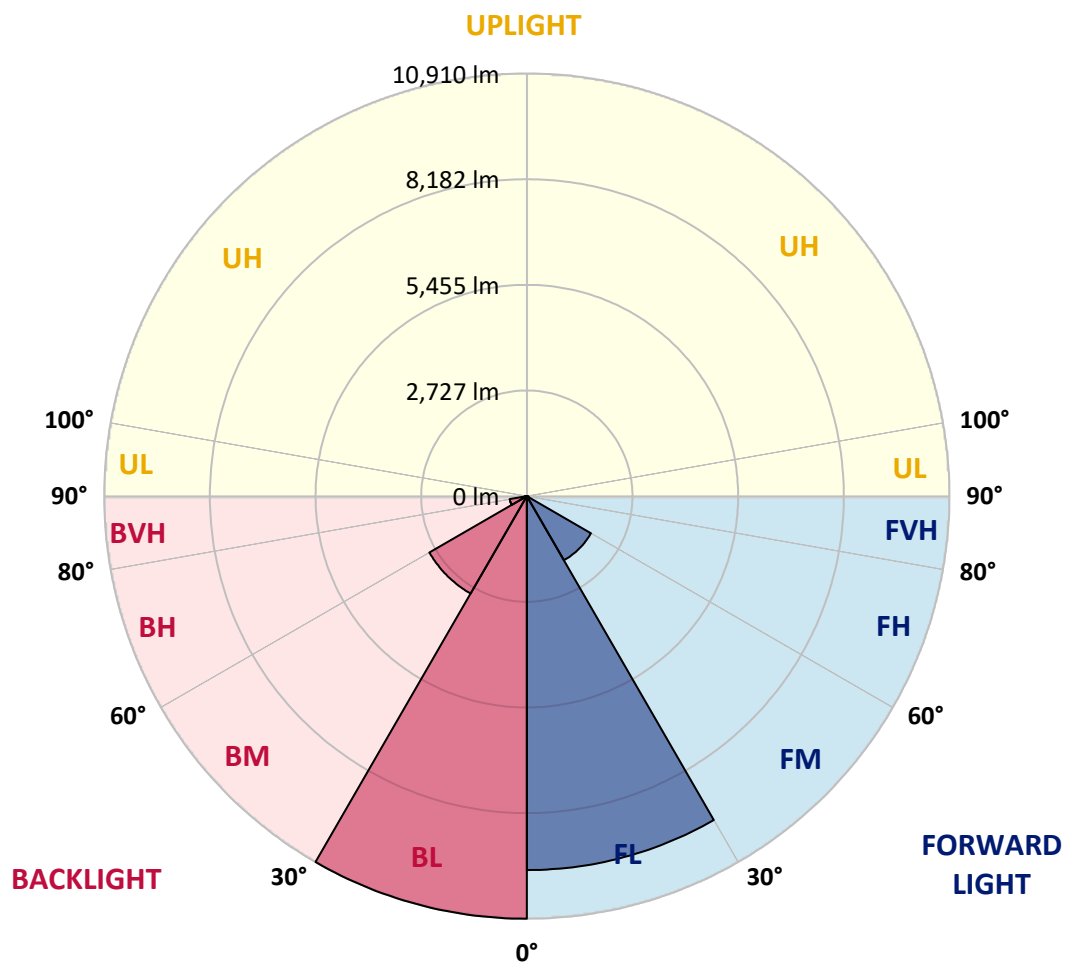
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	9653.0	37.2			
FM	(30°-60°)	1913.1	7.4			
FH	(60°-80°)	46.3	0.2			G0/660
FVH	(80°-90°)	4.7	0.0			G0/10
BL	(0°-30°)	10909.6	42.1	B5		
BM	(30°-60°)	2906.1	11.2	B3/5000		
BH	(60°-80°)	450.5	1.7	B1/500		G1/500
BVH	(80°-90°)	50.0	0.2			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°	36127.2	36127.2	36127.2	36127.2	36127.2	36127.2	36127.2	36127.2	36127.2	36127.2
2.5°	35343.7	35463.3	35224.1	35382.6	35505.2	35798.2	35822.1	35923.8	35959.7	36225.9
5°	34673.8	34766.5	34572.2	34784.5	34957.9	35218.1	35418.4	35699.5	35855.0	36169.0
7.5°	33977.1	33998.0	33959.1	34183.4	34443.6	34802.4	35050.6	35418.4	35514.1	35962.7
10°	33133.8	32981.3	33056.0	33385.0	33773.7	34323.9	34494.4	34862.2	35032.7	35490.2
12.5°	31788.1	31865.8	31773.1	32191.8	32514.7	33139.7	33319.2	33690.0	34015.9	34419.6
15°	29892.2	29847.3	30035.7	30361.7	30711.5	31207.9	31498.0	31901.7	32149.9	32568.6
17.5°	25630.8	25783.3	26560.8	27377.2	28094.9	28675.1	29021.9	29356.9	29536.3	29990.8
20°	22135.0	21943.6	22048.3	22508.8	24551.3	25439.4	25804.3	25885.0	25959.8	26318.6
22.5°	18226.6	18163.8	18513.6	19031.0	19515.4	21563.9	22060.3	21871.9	22027.4	22365.3
25°	13534.6	13851.6	14162.6	15155.4	15783.4	16788.2	17730.2	17813.9	17870.7	18083.0
27.5°	11016.7	10906.0	10900.1	11178.2	12105.2	12942.5	13743.9	13929.3	13896.4	14099.8
30°	8660.2	8624.3	8498.8	8564.5	8471.8	9216.4	9593.2	10355.8	10313.9	10319.9
32.5°	6247.0	6112.4	6061.6	6160.2	6064.6	5995.8	6324.7	7186.0	7171.0	7230.8
35°	3779.9	3761.9	3803.8	3890.5	3699.1	3693.2	3761.9	4572.3	4671.0	4766.7
37.5°	2087.3	2069.4	2102.3	2422.2	2359.4	2302.6	2320.6	2748.2	3032.3	3104.0
40°	1375.6	1372.6	1396.5	1453.3	1561.0	1540.1	1549.0	1740.4	2009.6	2072.4
42.5°	921.0	924.0	939.0	1004.8	1019.7	1127.4	1109.4	1154.3	1405.5	1459.3
45°	735.6	732.7	741.6	711.7	729.7	840.3	852.3	855.3	1070.6	1103.5
47.5°	580.1	580.1	589.1	550.2	541.3	610.0	672.8	681.8	855.3	900.1
50°	406.7	406.7	451.6	433.6	454.5	475.5	544.3	553.2	699.8	747.6
52.5°	299.0	305.0	311.0	314.0	382.8	379.8	439.6	481.5	529.3	613.0
55°	227.3	233.3	218.3	233.3	284.1	317.0	328.9	388.8	421.6	514.4
57.5°	149.5	164.5	152.5	179.4	191.4	245.2	263.2	320.0	340.9	421.6
60°	20.9	23.9	38.9	125.6	134.6	161.5	203.3	254.2	275.1	343.9
62.5°	3.0	3.0	9.0	20.9	89.7	107.7	152.5	176.4	203.3	257.2
65°	0.0	0.0	3.0	6.0	17.9	62.8	77.8	95.7	140.5	185.4
67.5°	0.0	0.0	3.0	6.0	9.0	20.9	32.9	62.8	80.7	128.6
70°	0.0	0.0	3.0	6.0	9.0	12.0	17.9	23.9	47.8	74.8
72.5°	0.0	0.0	3.0	6.0	9.0	12.0	15.0	17.9	20.9	47.8
75°	0.0	0.0	3.0	6.0	9.0	15.0	17.9	17.9	17.9	20.9
77.5°	0.0	0.0	3.0	6.0	12.0	17.9	20.9	17.9	15.0	15.0
80°	0.0	0.0	3.0	9.0	15.0	20.9	23.9	17.9	12.0	9.0
82.5°	0.0	0.0	3.0	9.0	15.0	20.9	23.9	20.9	12.0	9.0
85°	0.0	0.0	3.0	9.0	12.0	15.0	23.9	20.9	12.0	6.0
87.5°	0.0	0.0	0.0	3.0	3.0	6.0	12.0	9.0	6.0	3.0
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°
36127.2	0°	36127.2	36127.2	36127.2	36127.2	36127.2	36127.2	36127.2	36127.2	36127.2
36219.9	2.5°	36489.0	36623.6	36859.8	36925.6	37129.0	36895.7	36767.1	36779.1	36501.0
36130.2	5°	36489.0	36797.0	37209.7	37407.1	37556.6	37544.6	37511.7	37428.0	37224.6
35950.7	7.5°	36393.3	36895.7	37463.9	37727.0	37906.5	37891.5	37966.3	37831.7	37583.5
35630.8	10°	36085.3	36521.9	37221.7	37437.0	37727.0	37733.0	37640.3	37667.2	37224.6
34461.5	12.5°	35116.4	35457.3	36070.3	36315.6	36668.4	36725.2	36623.6	36584.7	36166.0
32544.7	15°	33241.4	33438.8	34054.8	34300.0	34649.9	34602.1	34703.7	34661.9	34294.0
29955.0	17.5°	30499.2	30562.0	31207.9	31414.3	31743.2	31871.8	31719.3	31913.7	31596.7
26381.4	20°	26566.8	26904.7	27631.4	27948.4	28139.8	28370.0	28169.7	28388.0	28017.2
22045.3	22.5°	22577.6	22778.0	23435.9	23893.4	24249.3	24294.1	24219.3	24371.9	23872.5
18223.6	25°	18220.6	18552.5	19072.8	19670.9	20020.8	20236.1	20041.7	20140.4	20059.7
14132.7	27.5°	14371.9	14668.0	15059.7	15505.3	16031.6	16312.7	16157.2	16324.7	15929.9
10538.2	30°	10547.2	10696.7	11139.3	11611.8	12188.9	12529.8	12544.8	12715.2	12482.0
7383.3	32.5°	7437.2	7568.7	7840.9	8154.9	8705.1	9084.9	9025.1	9049.0	8905.4
4811.6	35°	4835.5	5011.9	5206.3	5355.8	5687.8	6106.4	6073.5	6043.6	5944.9
3163.9	37.5°	3232.6	3301.4	3409.1	3543.6	3758.9	4022.1	4108.8	4001.2	3959.3
2135.2	40°	2186.0	2305.6	2377.4	2479.1	2580.7	2802.0	2861.8	2840.9	2799.0
1495.2	42.5°	1552.0	1644.7	1734.4	1833.1	1886.9	2024.5	2141.1	2108.2	2090.3
1136.4	45°	1178.2	1262.0	1366.6	1441.4	1495.2	1575.9	1686.6	1698.6	1671.6
912.1	47.5°	945.0	1019.7	1103.5	1196.2	1259.0	1309.8	1405.5	1441.4	1423.4
768.5	50°	801.4	858.2	939.0	1031.7	1100.5	1145.3	1229.1	1267.9	1256.0
642.9	52.5°	681.8	750.6	825.4	903.1	986.8	1031.7	1109.4	1166.3	1157.3
532.3	55°	565.2	654.9	732.7	810.4	906.1	951.0	1019.7	1094.5	1079.5
451.6	57.5°	493.4	568.2	648.9	723.7	825.4	885.2	948.0	1025.7	1022.7
370.8	60°	412.7	487.4	577.1	639.9	747.6	831.3	888.2	968.9	974.9
281.1	62.5°	328.9	421.6	490.4	577.1	675.8	774.5	828.3	909.1	939.0
215.3	65°	245.2	346.9	424.6	511.4	604.1	714.7	762.6	843.3	873.2
155.5	67.5°	182.4	260.2	358.8	433.6	538.3	634.0	690.8	765.5	786.5
92.7	70°	137.6	200.4	299.0	364.8	472.5	550.2	607.1	663.9	690.8
62.8	72.5°	80.7	149.5	236.2	314.0	406.7	472.5	514.4	559.2	577.1
29.9	75°	56.8	113.6	185.4	260.2	328.9	382.8	421.6	460.5	478.5
15.0	77.5°	29.9	83.7	146.5	209.3	257.2	302.0	340.9	370.8	382.8
12.0	80°	17.9	59.8	119.6	164.5	197.4	236.2	275.1	296.1	293.1
9.0	82.5°	12.0	47.8	86.7	119.6	143.5	173.4	200.4	215.3	215.3
6.0	85°	9.0	32.9	59.8	92.7	95.7	119.6	125.6	140.5	143.5
6.0	87.5°	6.0	20.9	32.9	53.8	50.8	62.8	65.8	74.8	80.7
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

180°
36127.2
36276.7
37290.4
37640.3
37096.1
36070.3
34410.7
31518.9
27987.3
23803.7
20008.8
16031.6
12523.8
8986.2
5858.2
3950.3
2805.0
2075.3
1668.6
1414.5
1253.0
1151.3
1079.5
1019.7
974.9
936.0
870.2
786.5
684.8
571.2
472.5
379.8
290.1
212.3
140.5
77.8
0.0

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