

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: P636489

Luminaire Tested: **IFLD-S-SA6D-935-U-55-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636489
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6D-935-U-55-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 5 distribution lens and Visor
Light Source: (96) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25121.8 lumens
Efficiency: N/A
Efficacy: 68.2 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): 368.2
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



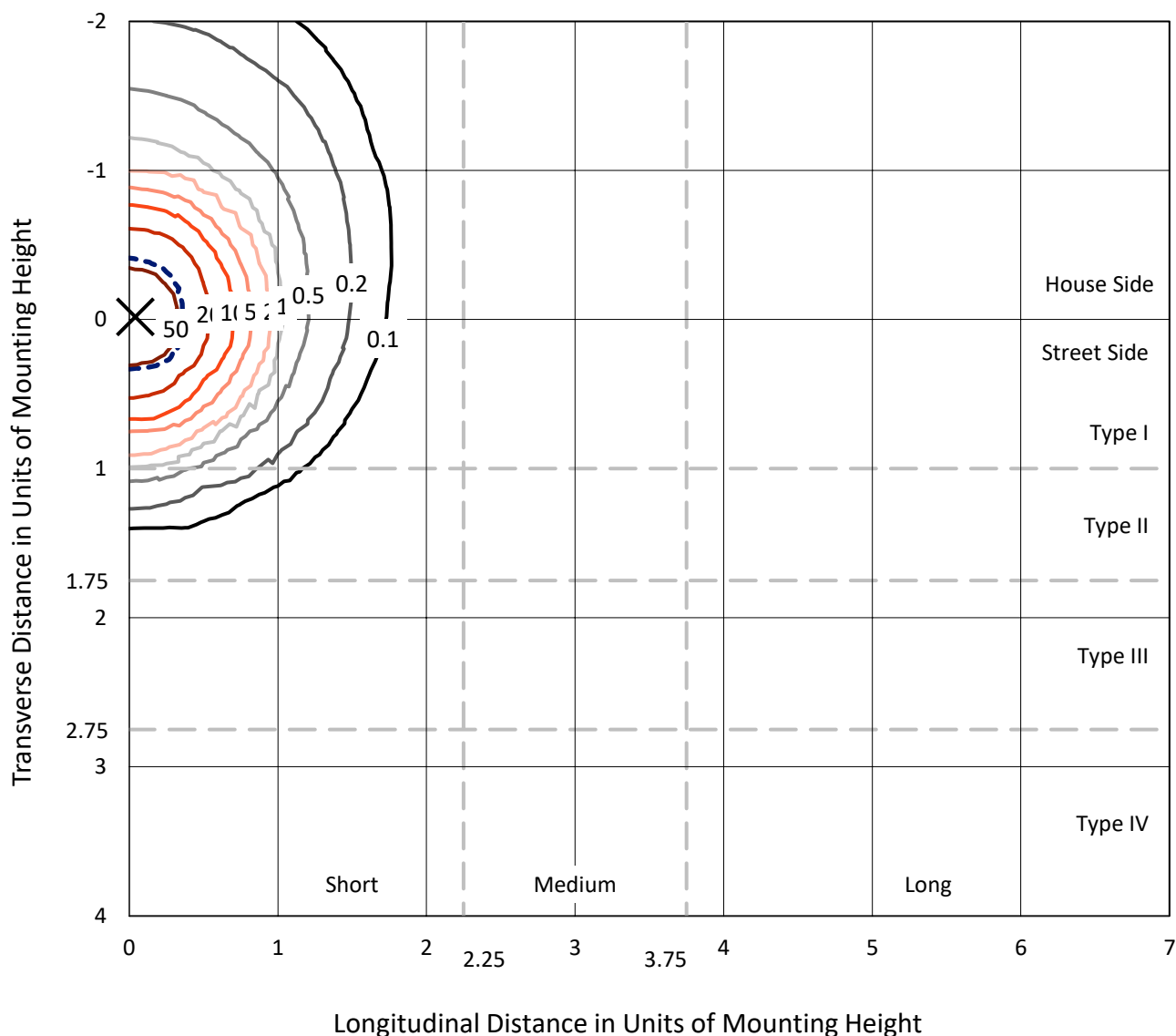
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



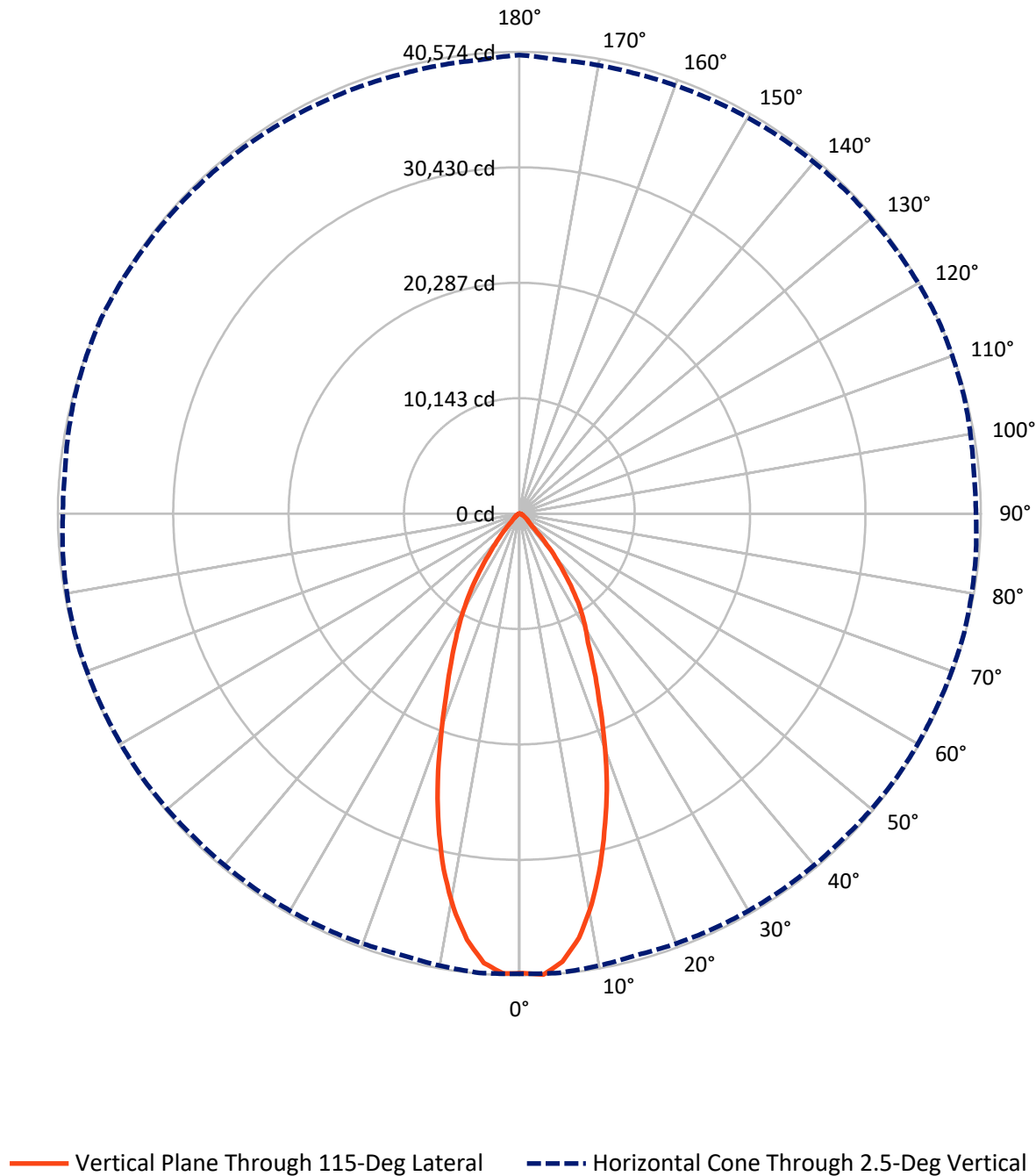
Based on 20 foot mounting height. Maximum calculated value = 101 fc

Type I - Short - N/A

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Luminous Intensity Polar Plot



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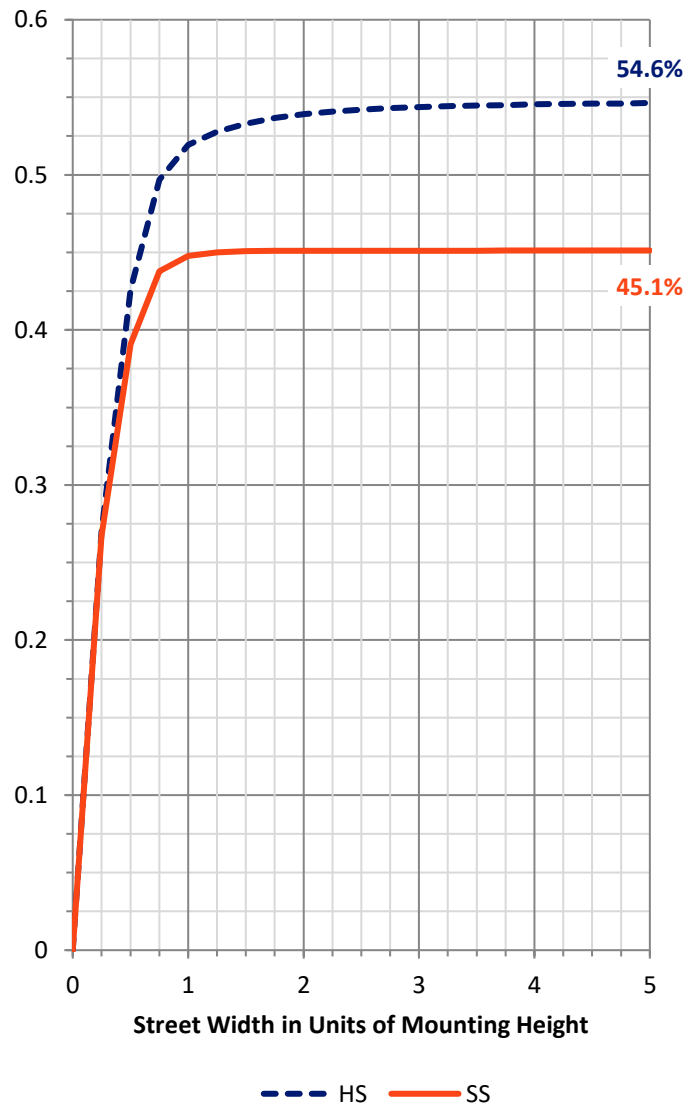
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13864.3	0.0	13864.3
	% Fixture	55.2	0.0	55.2
Street Side	Lumens	11257.5	0.0	11257.5
	% Fixture	44.8	0.0	44.8
Total	Lumens	25121.8	0.0	25121.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3622.1	14.4
10°-20°	7655.2	30.5
20°-30°	6909.3	27.5
30°-40°	4572.3	18.2
40°-50°	1369.7	5.5
50°-60°	549.4	2.2
60°-70°	284.5	1.1
70°-80°	123.5	0.5
80°-90°	35.9	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°	25121.8	100.0
0°-180°	25121.8	100.0

Coefficient of Utilization



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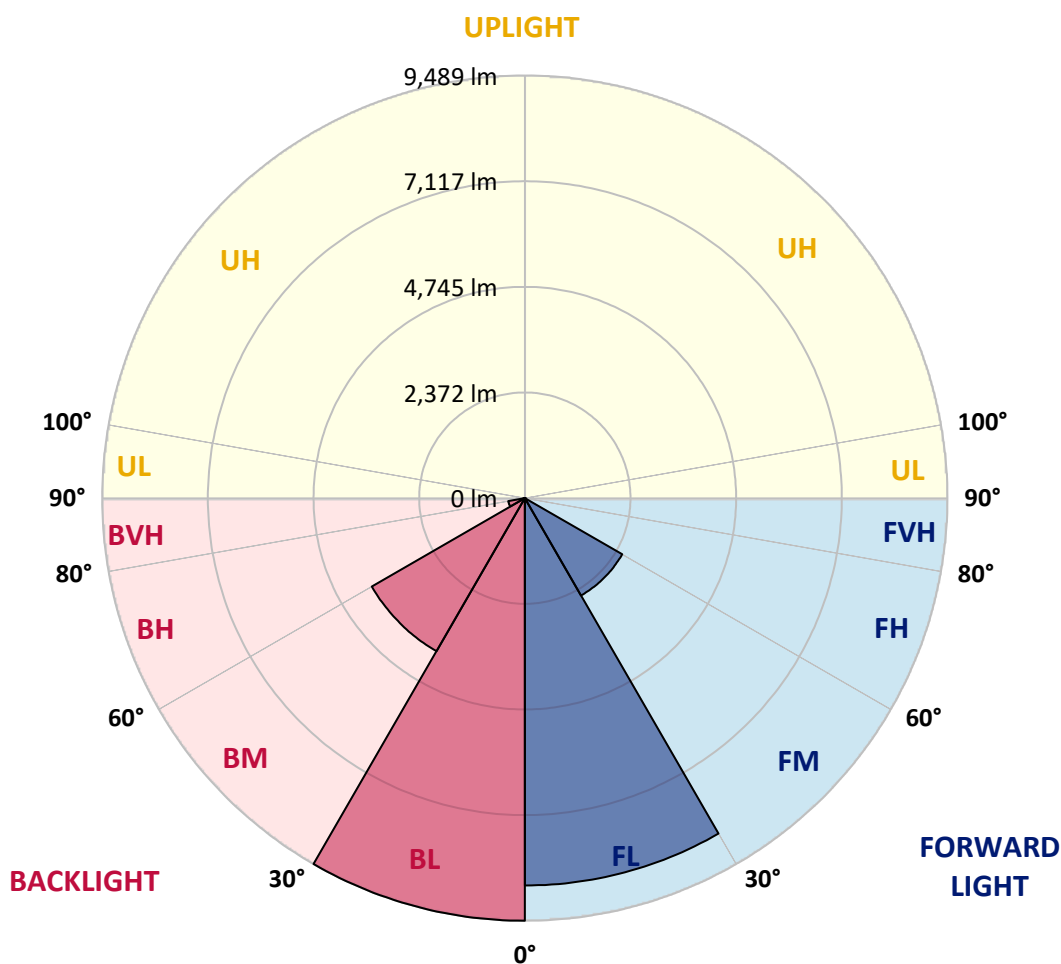
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	8697.4	34.6			
FM	(30°-60°)	2523.7	10.0			
FH	(60°-80°)	31.3	0.1			G0/660
FVH	(80°-90°)	5.2	0.0			G0/10
BL	(0°-30°)	9489.2	37.8	B5		
BM	(30°-60°)	3967.6	15.8	B3/5000		
BH	(60°-80°)	376.8	1.5	B1/500		G1/500
BVH	(80°-90°)	30.8	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°	40383.4	40383.4	40383.4	40383.4	40383.4	40383.4	40383.4	40383.4	40383.4	40383.4
2.5°	40434.7	40506.7	40147.0	40270.3	40321.7	40337.1	40465.6	40445.0	40481.0	40290.9
5°	39900.4	39761.7	39494.5	39499.7	39484.2	39340.4	39633.2	39612.7	39551.0	39325.0
7.5°	38081.6	38282.0	37778.5	37768.2	37757.9	37583.2	37968.6	37732.2	37783.6	37459.9
10°	35420.2	35445.9	34998.9	34957.8	34993.8	34767.7	35214.7	35122.2	35219.8	34880.7
12.5°	32157.7	32301.6	31808.3	31736.4	31880.3	31561.7	31921.4	31967.6	31823.7	31777.5
15°	25221.6	25601.8	26536.9	27965.2	28335.1	28068.0	28355.7	28350.6	28412.2	28062.8
17.5°	19215.5	19251.5	19030.5	19713.9	23670.0	24954.5	25016.1	24528.0	24158.1	24029.6
20°	16775.0	16898.3	16698.0	16754.5	17386.4	21152.5	21296.3	20561.6	19929.7	19878.3
22.5°	14832.9	14910.0	14766.1	14812.4	14843.2	15285.1	17787.2	17139.8	16836.7	16605.5
25°	13188.8	13188.8	13111.7	13127.2	13096.3	12443.8	13728.3	14468.1	14293.5	14211.2
27.5°	11688.6	11709.1	11611.5	11668.0	11293.0	10239.7	10085.6	12269.1	12084.2	11935.2
30°	10265.4	10332.2	10239.7	10270.5	9453.6	8590.5	8148.6	10234.6	10465.8	10424.7
32.5°	7727.3	8030.4	8775.4	8806.2	7696.5	7033.7	6838.5	8215.4	9094.0	9016.9
35°	4788.5	4773.0	4803.9	6283.6	5903.4	5451.2	5523.2	6206.5	7198.1	7162.1
37.5°	3653.0	3647.9	3704.4	3555.4	3868.8	4136.0	4192.5	4192.5	5256.0	5261.1
40°	2769.3	2748.7	2743.6	2507.3	2101.4	3103.3	3010.8	2933.7	3653.0	3730.1
42.5°	1767.4	1829.1	1782.8	1525.9	1371.8	1695.5	1890.7	1829.1	2255.5	2312.0
45°	986.5	986.5	945.4	801.5	796.4	858.0	1078.9	1007.0	1156.0	1233.1
47.5°	477.8	467.5	513.8	632.0	657.6	637.1	770.7	801.5	873.4	945.4
50°	385.3	385.3	364.8	328.8	544.6	524.1	570.3	611.4	652.5	714.2
52.5°	323.7	323.7	298.0	277.4	313.4	400.8	405.9	483.0	477.8	565.2
55°	164.4	169.5	241.5	241.5	210.7	328.8	334.0	390.5	400.8	472.7
57.5°	15.4	20.6	30.8	149.0	164.4	179.8	251.8	287.7	334.0	364.8
60°	5.1	5.1	10.3	20.6	97.6	123.3	159.3	190.1	231.2	303.1
62.5°	0.0	0.0	5.1	10.3	20.6	77.1	87.3	97.6	138.7	190.1
65°	0.0	0.0	5.1	5.1	10.3	25.7	36.0	61.7	87.3	118.2
67.5°	0.0	0.0	5.1	5.1	10.3	15.4	20.6	30.8	41.1	77.1
70°	0.0	0.0	5.1	5.1	10.3	15.4	15.4	20.6	25.7	36.0
72.5°	0.0	0.0	5.1	5.1	10.3	20.6	15.4	15.4	20.6	25.7
75°	0.0	0.0	5.1	5.1	10.3	15.4	15.4	15.4	15.4	15.4
77.5°	0.0	0.0	5.1	5.1	10.3	15.4	15.4	15.4	10.3	10.3
80°	0.0	0.0	5.1	5.1	10.3	15.4	20.6	20.6	10.3	10.3
82.5°	0.0	0.0	5.1	10.3	10.3	25.7	30.8	25.7	10.3	5.1
85°	0.0	0.0	5.1	5.1	15.4	25.7	25.7	15.4	10.3	5.1
87.5°	0.0	0.0	0.0	5.1	5.1	10.3	15.4	15.4	5.1	5.1
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°
40383.4	0°	40383.4	40383.4	40383.4	40383.4	40383.4	40383.4	40383.4	40383.4	40383.4
40136.7	2.5°	40116.2	40429.6	40573.5	40424.5	40352.5	40249.8	40100.8	39998.0	40018.6
39201.7	5°	39114.3	39443.1	39556.2	39427.7	39319.8	39263.3	39237.6	39289.0	39422.6
37321.2	7.5°	37310.9	37521.6	37644.9	37583.2	37434.2	37603.8	37650.0	37619.2	37814.4
34778.0	10°	34788.3	35019.5	34906.4	34932.1	34757.4	34844.8	34819.1	34932.1	35127.4
31741.5	12.5°	31536.0	31756.9	31669.6	31654.2	31469.2	31633.6	31530.9	31654.2	31911.1
27919.0	15°	28119.4	28258.1	28201.6	28114.2	27949.8	28006.3	28324.9	28304.3	28417.4
23952.6	17.5°	23849.8	24517.7	24882.5	24959.6	24826.0	24939.0	25165.1	25108.6	25365.5
19770.4	20°	19734.4	20407.5	21306.6	22036.2	22051.6	22067.0	22210.9	22246.8	22467.7
16610.6	22.5°	16538.7	17016.5	17982.4	18948.3	19616.2	19755.0	19739.6	19790.9	19852.6
14098.2	25°	14062.2	14411.6	15295.3	15963.2	17134.7	17525.1	17638.2	17525.1	17561.1
11883.8	27.5°	12017.4	12551.7	12844.6	13558.7	14704.5	15608.7	15572.8	15506.0	15516.3
10342.5	30°	10337.3	10912.8	11344.3	11560.1	12423.3	13728.3	13861.9	13671.8	13676.9
8980.9	32.5°	8924.4	9104.2	9741.3	9916.0	10470.9	11657.7	12115.0	11971.2	11945.5
7182.7	35°	7393.3	7491.0	7783.8	8128.1	8456.9	9356.0	10111.3	9977.7	10044.5
5281.7	37.5°	5261.1	5661.9	5944.5	6227.1	6463.4	7028.6	7938.0	7814.6	7881.4
3740.3	40°	3709.5	3889.3	4377.4	4500.7	4850.1	5112.1	5882.8	5841.7	5923.9
2322.3	42.5°	2281.2	2409.6	2656.3	2774.4	3010.8	3159.8	3611.9	3663.3	3771.2
1284.5	45°	1294.7	1351.2	1520.8	1649.2	1823.9	1885.6	2044.9	2116.8	2178.4
996.7	47.5°	986.5	1048.1	1161.2	1274.2	1418.0	1469.4	1582.5	1690.3	1746.9
770.7	50°	806.6	863.2	981.3	1073.8	1217.7	1263.9	1356.4	1474.6	1546.5
585.7	52.5°	611.4	693.6	837.5	935.1	1084.1	1140.6	1227.9	1346.1	1412.9
483.0	55°	503.5	565.2	693.6	827.2	965.9	1043.0	1099.5	1243.4	1315.3
395.6	57.5°	431.6	477.8	560.0	719.3	837.5	950.5	996.7	1130.3	1202.3
313.4	60°	328.8	400.8	472.7	596.0	729.6	847.7	899.1	1017.3	1073.8
226.1	62.5°	272.3	318.5	411.0	477.8	626.8	750.1	801.5	909.4	950.5
149.0	65°	190.1	256.9	344.2	385.3	524.1	642.2	714.2	796.4	837.5
87.3	67.5°	113.0	190.1	272.3	328.8	426.4	544.6	621.7	698.7	734.7
51.4	70°	71.9	149.0	215.8	277.4	334.0	447.0	539.5	606.3	590.9
30.8	72.5°	41.1	92.5	159.3	226.1	277.4	375.1	462.4	513.8	364.8
20.6	75°	25.7	66.8	133.6	185.0	226.1	298.0	380.2	390.5	226.1
10.3	77.5°	20.6	51.4	102.8	149.0	154.1	220.9	267.2	303.1	169.5
10.3	80°	10.3	41.1	87.3	123.3	97.6	154.1	205.5	236.3	133.6
5.1	82.5°	10.3	25.7	66.8	87.3	71.9	118.2	149.0	169.5	113.0
5.1	85°	5.1	20.6	36.0	51.4	51.4	77.1	66.8	82.2	71.9
5.1	87.5°	5.1	10.3	20.6	25.7	20.6	30.8	36.0	36.0	30.8
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

180°
40383.4
40296.0
39700.0
38009.7
35204.4
31957.3
28443.0
25324.4
22421.5
19739.6
17504.6
15531.7
13682.0
12007.1
10106.1
7938.0
5954.7
3894.5
2173.3
1772.6
1577.3
1459.1
1335.8
1233.1
1084.1
955.6
837.5
729.6
544.6
323.7
210.7
169.5
138.7
123.3
71.9
25.7
0.0

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