

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: P637938

Luminaire Tested: **IFLD-S-SA6C-750-U-66-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P637938
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6C-750-U-66-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 6 distribution lens and Visor
Light Source: (96) 5000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 35839.3 lumens
Efficiency: N/A
Efficacy: 111.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G2

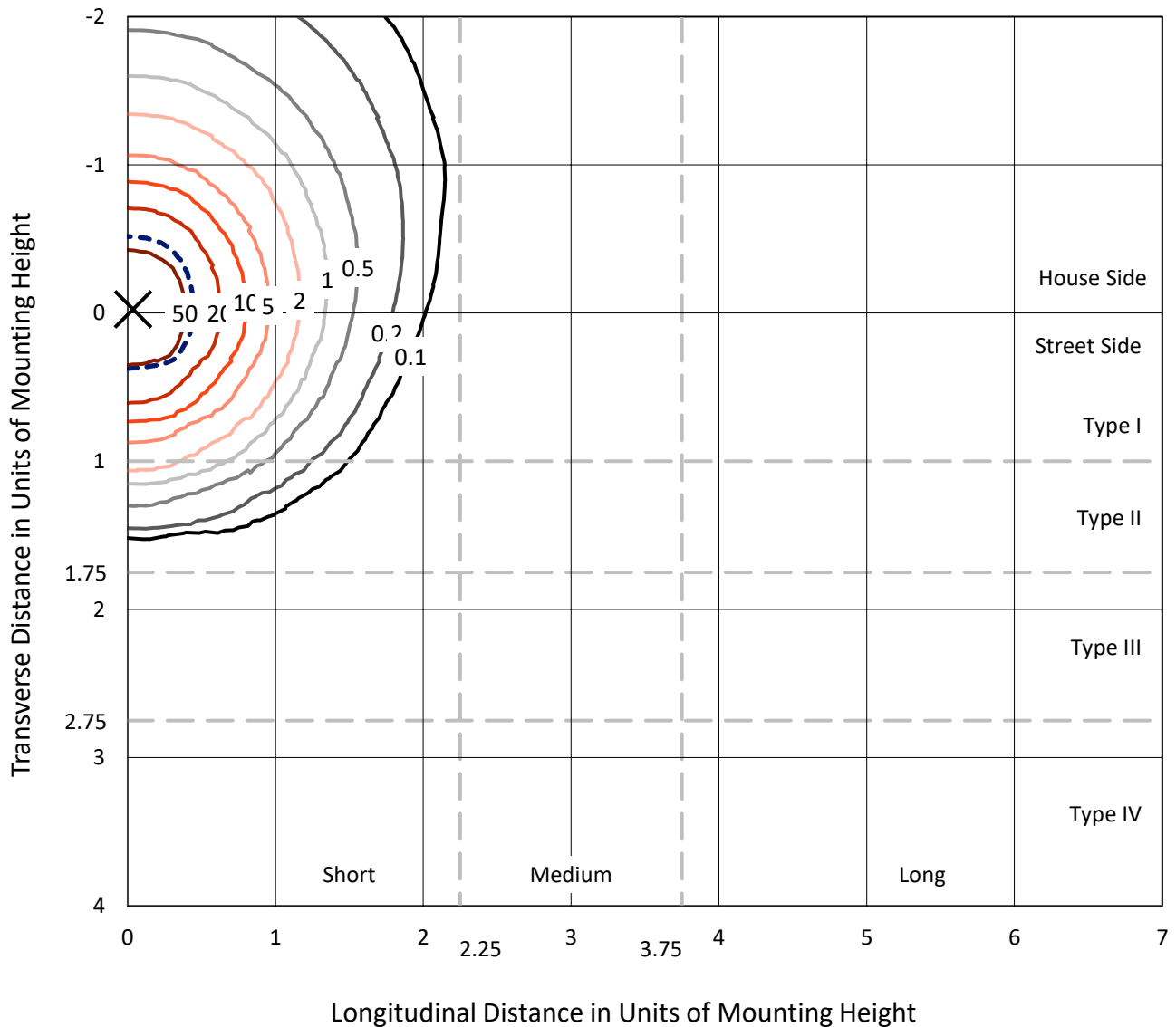
Input Watts (W): 321.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

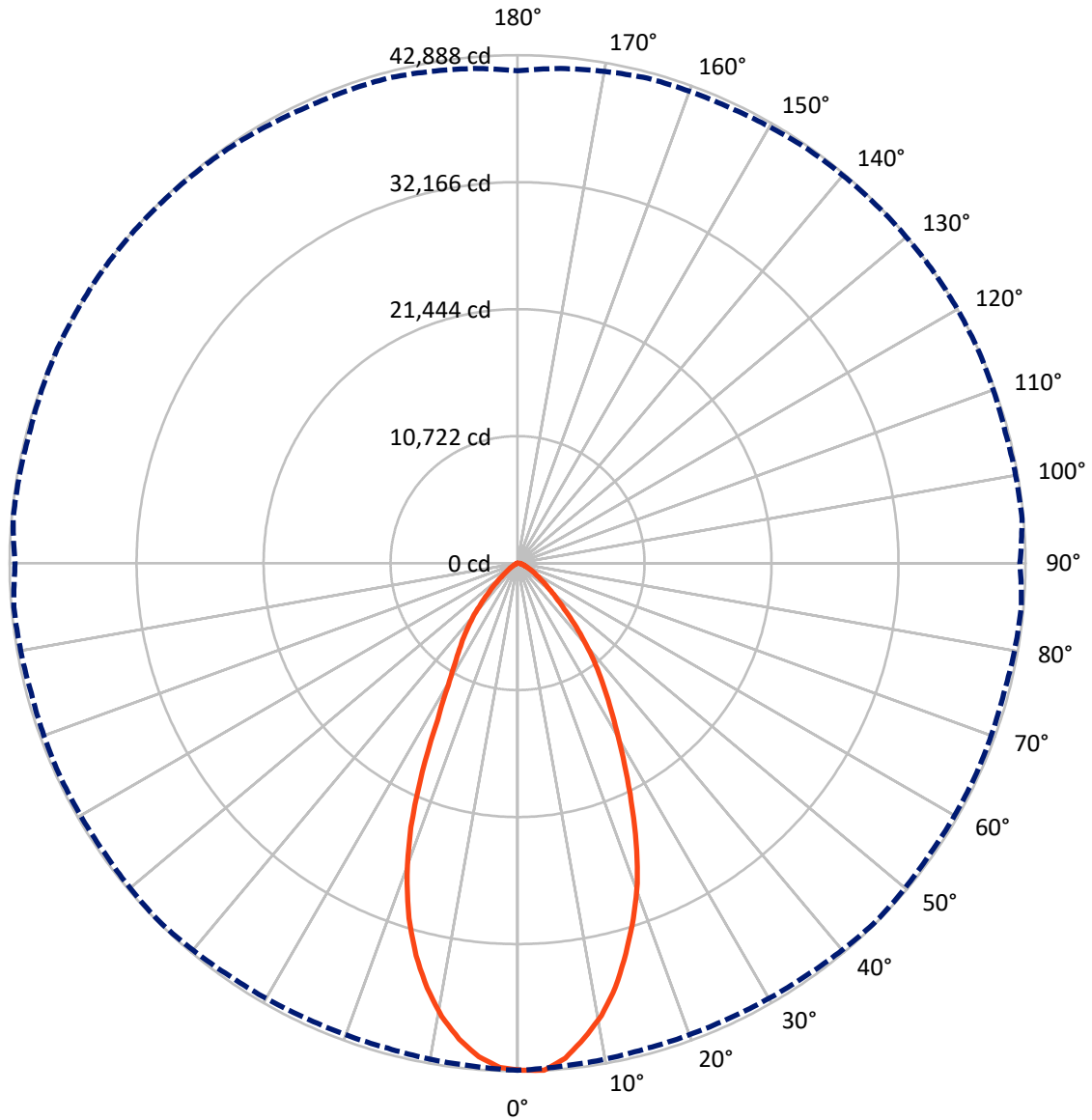
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 107 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 125-Deg Lateral - - - Horizontal Cone Through 2.5-Deg Vertical

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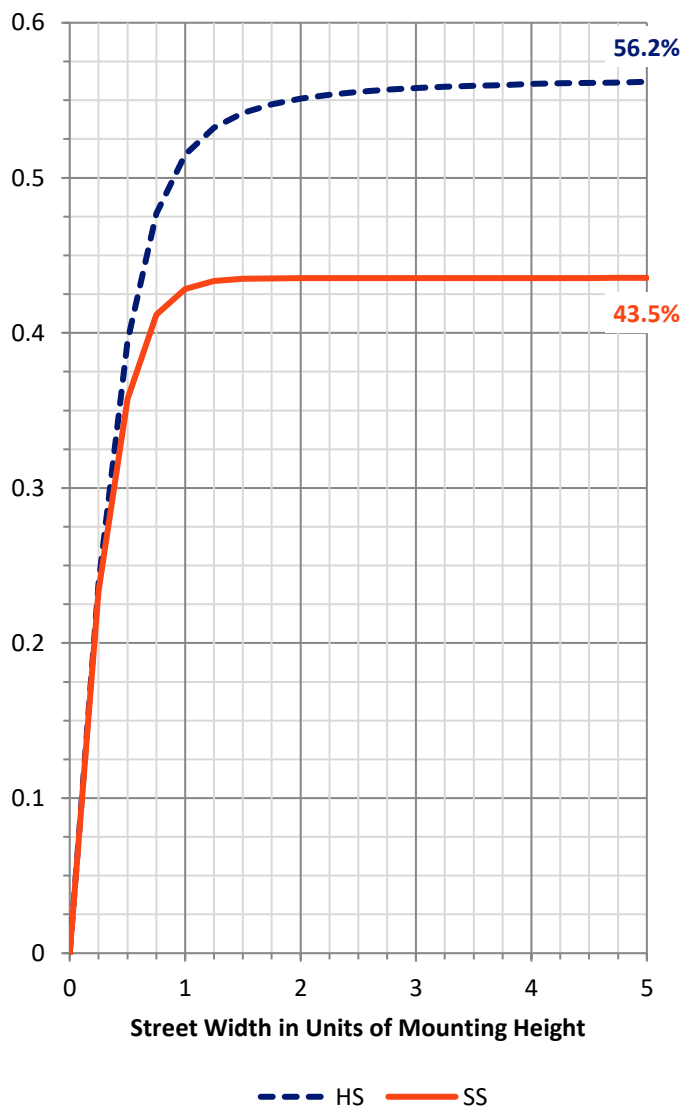
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	20336.7	0.0	20336.7
	% Fixture	56.7	0.0	56.7
Street Side	Lumens	15502.7	0.0	15502.7
	% Fixture	43.3	0.0	43.3
Total	Lumens	35839.3	0.0	35839.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3888.2	10.8
10°-20°	9268.5	25.9
20°-30°	9439.8	26.3
30°-40°	7039.2	19.6
40°-50°	3677.5	10.3
50°-60°	1546.8	4.3
60°-70°	631.7	1.8
70°-80°	265.8	0.7
80°-90°	81.9	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°	35839.3	100.0
0°-180°	35839.3	100.0



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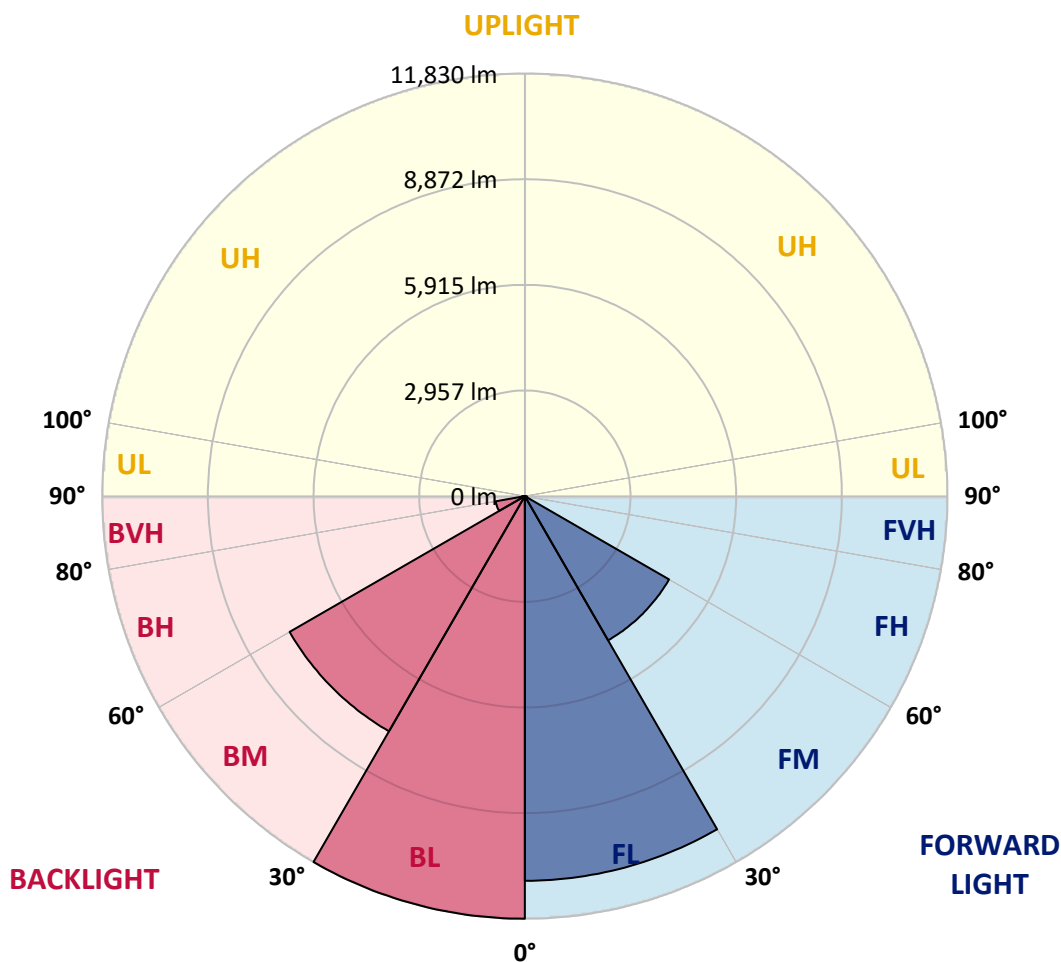
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	10766.6	30.0			
FM (30°-60°)	4661.0	13.0			
FH (60°-80°)	67.4	0.2			G0/660
FVH (80°-90°)	7.6	0.0			G0/10
BL (0°-30°)	11829.9	33.0	B5		
BM (30°-60°)	7602.4	21.2	B4/8500		
BH (60°-80°)	830.1	2.3	B2/1000		G2/1000
BVH (80°-90°)	74.3	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-G2

Type I Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	42819.3	42819.3	42819.3	42819.3	42819.3	42819.3	42819.3	42819.3	42819.3	42819.3
2.5°	42824.0	42649.0	42400.4	42377.4	42506.3	42787.1	42607.6	42616.8	42506.3	42695.0
5°	42151.8	41986.1	41815.7	41590.2	41778.9	41898.6	41806.5	41705.2	41562.5	41746.7
7.5°	40881.2	40789.1	40535.9	40434.6	40549.7	40683.2	40485.3	40457.6	40259.7	40499.1
10°	38938.4	38901.6	38653.0	38593.1	38694.4	38897.0	38809.5	38791.1	38666.8	38643.8
12.5°	36922.0	36779.2	36470.8	36452.4	36604.3	36908.2	36673.4	36447.8	36516.8	36576.7
15°	31728.9	31577.0	32341.2	33542.8	34173.5	34150.5	34219.6	33947.9	33865.1	33892.7
17.5°	25223.9	24966.1	25242.3	27102.2	30099.2	31839.4	31360.6	30776.0	30462.9	30255.8
20°	21771.1	21784.9	21734.2	22213.0	24082.1	28050.6	27935.5	26807.6	26397.8	26227.5
22.5°	19671.8	19593.5	19483.0	19634.9	20136.7	22466.2	24026.9	22991.1	22848.3	22659.6
25°	17613.9	17613.9	17480.4	17632.3	17775.0	17807.3	19372.5	19796.1	19519.8	19519.8
27.5°	15832.2	15740.2	15680.3	15749.4	15560.6	14653.7	14851.7	17020.0	16831.3	16716.2
30°	14064.4	14036.8	13935.5	14027.6	13327.8	12305.8	11891.5	14363.7	14561.6	14520.2
32.5°	11610.6	11721.1	12172.3	12315.0	11118.0	10294.0	9898.0	11923.7	12715.5	12683.3
35°	7890.8	7982.9	8498.5	10201.9	9216.7	8627.4	8512.3	9483.7	10786.6	10910.9
37.5°	6284.1	6270.3	6417.6	6721.5	7407.4	7264.7	7232.5	7485.7	8797.7	8853.0
40°	5179.2	5160.8	5156.2	4907.6	4737.2	6040.1	5952.6	5800.7	6937.8	7048.3
42.5°	4175.6	4194.0	4207.8	3664.6	3416.0	4659.0	4608.3	4451.8	5441.6	5570.5
45°	3277.9	3273.3	3300.9	2730.0	2661.0	2978.6	3443.6	3319.3	4106.5	4244.6
47.5°	1698.8	1758.6	2131.5	2113.1	2145.3	2113.1	2605.7	2573.5	3089.1	3310.1
50°	1141.7	1160.1	1192.4	1197.0	1689.6	1556.1	1767.8	2002.6	2163.8	2504.4
52.5°	883.9	897.7	814.9	764.2	1035.8	1150.9	1160.1	1385.7	1510.0	1855.3
55°	492.6	552.4	593.9	598.5	570.9	851.7	847.1	1026.6	1123.3	1353.5
57.5°	64.5	78.3	119.7	386.7	382.1	474.2	593.9	745.8	801.1	989.8
60°	4.6	9.2	13.8	59.8	253.2	276.2	405.1	465.0	557.1	695.2
62.5°	0.0	0.0	4.6	13.8	50.6	161.1	211.8	244.0	326.9	455.8
65°	0.0	0.0	4.6	9.2	18.4	59.8	82.9	133.5	193.4	280.8
67.5°	0.0	0.0	4.6	9.2	13.8	23.0	36.8	59.8	101.3	170.3
70°	0.0	0.0	4.6	9.2	13.8	18.4	27.6	36.8	55.2	92.1
72.5°	0.0	0.0	4.6	4.6	9.2	23.0	23.0	27.6	36.8	50.6
75°	0.0	0.0	4.6	9.2	13.8	23.0	23.0	23.0	27.6	32.2
77.5°	0.0	0.0	4.6	9.2	13.8	23.0	18.4	23.0	23.0	23.0
80°	0.0	0.0	4.6	9.2	13.8	23.0	27.6	23.0	18.4	18.4
82.5°	0.0	0.0	4.6	13.8	13.8	32.2	32.2	32.2	13.8	13.8
85°	0.0	0.0	9.2	13.8	23.0	36.8	36.8	27.6	13.8	9.2
87.5°	0.0	0.0	4.6	9.2	9.2	18.4	27.6	23.0	9.2	4.6
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°
42819.3	0°	42819.3	42819.3	42819.3	42819.3	42819.3	42819.3	42819.3	42819.3	42819.3
42418.8	2.5°	42759.5	42644.4	42860.8	42888.4	42796.3	42681.2	42414.2	42391.2	41926.2
41479.7	5°	41949.2	41760.5	41898.6	41990.7	41958.4	41834.1	41723.7	41622.4	41203.4
39955.8	7.5°	40439.2	40370.2	40434.6	40503.7	40637.2	40503.7	40457.6	40351.7	39937.4
38455.0	10°	38763.5	38634.6	38878.6	38846.3	38809.5	38772.7	38579.3	38597.7	38109.7
36410.9	12.5°	36705.6	36489.2	36724.0	36751.6	36724.0	36595.1	36378.7	36470.8	36024.2
33648.7	15°	33938.7	33915.7	34086.1	34196.6	34274.8	34136.7	34063.0	34109.1	33842.1
30094.6	17.5°	30541.2	30840.4	31397.5	31586.2	31590.8	31733.6	31692.1	31636.9	31438.9
26158.4	20°	26545.1	27120.6	27976.9	28856.2	29109.4	28989.7	28934.5	29035.8	28741.1
22461.6	22.5°	22857.5	23350.1	24344.6	25629.0	26370.2	26443.9	26430.0	26342.6	26227.5
19501.4	25°	19727.0	20164.4	21117.3	22291.3	23713.8	23925.6	23934.8	23907.2	23805.9
16817.4	27.5°	17084.5	17613.9	18138.7	19188.4	20703.0	21577.7	21467.2	21435.0	21398.2
14552.4	30°	14690.5	15358.1	15850.7	16504.4	17862.5	19045.7	19160.7	19105.5	19018.0
12678.7	32.5°	12793.8	13189.7	13815.8	14257.8	15233.8	16573.4	17015.4	16974.0	16895.7
10989.1	35°	11145.6	11302.2	11794.8	12287.4	12936.5	14234.8	14888.5	14796.4	14782.6
8954.3	37.5°	9179.8	9704.7	9976.3	10473.5	10929.3	11937.5	12839.8	12798.4	12803.0
7200.2	40°	7412.0	7715.9	8254.5	8673.4	9092.4	9829.0	10832.6	10860.2	10851.0
5575.1	42.5°	5690.2	5984.9	6551.1	7006.9	7379.8	7835.6	8793.1	8825.4	8866.8
4341.3	45°	4442.6	4631.4	5045.7	5519.9	5915.8	6192.0	6919.4	7126.6	7131.2
3365.3	47.5°	3448.2	3664.6	3959.2	4415.0	4801.7	4999.7	5529.1	5809.9	5796.1
2582.7	50°	2707.0	2905.0	3144.4	3503.4	3922.4	4078.9	4470.2	4746.5	4732.6
1947.4	52.5°	2071.7	2324.9	2536.7	2812.9	3222.6	3356.1	3637.0	3954.6	3908.6
1427.2	55°	1569.9	1827.7	2025.6	2255.8	2628.7	2799.1	2992.4	3245.6	3254.8
1104.9	57.5°	1183.2	1450.2	1629.7	1864.5	2145.3	2334.1	2481.4	2753.0	2748.4
755.0	60°	847.1	1077.3	1293.6	1537.6	1754.0	1970.4	2071.7	2329.5	2338.7
534.0	62.5°	612.3	828.7	1035.8	1247.6	1441.0	1652.7	1744.8	1947.4	1975.0
349.9	65°	428.1	580.1	819.5	980.6	1197.0	1353.5	1473.2	1648.1	1680.4
207.2	67.5°	276.2	418.9	649.1	791.8	989.8	1123.3	1247.6	1385.7	1427.2
133.5	70°	165.7	317.7	483.4	635.3	814.9	934.6	1054.3	1174.0	1197.0
64.5	72.5°	105.9	221.0	349.9	515.6	653.7	782.6	888.5	976.0	906.9
41.4	75°	59.8	151.9	276.2	405.1	529.4	653.7	741.2	787.2	630.7
27.6	77.5°	36.8	110.5	225.6	326.9	409.7	524.8	580.1	607.7	451.2
18.4	80°	23.0	82.9	188.8	267.0	267.0	386.7	451.2	474.2	326.9
13.8	82.5°	18.4	59.8	147.3	202.6	179.5	290.0	354.5	359.1	230.2
9.2	85°	13.8	46.0	92.1	133.5	124.3	202.6	207.2	230.2	151.9
9.2	87.5°	9.2	27.6	55.2	78.3	69.1	96.7	110.5	124.3	82.9
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



180°
42819.3
41562.5
40867.4
39849.9
37944.0
35895.3
33519.8
31144.3
28529.4
26006.5
23465.2
21181.8
18907.5
16688.5
14630.7
12655.7
10689.9
8728.7
7011.5
5745.5
4732.6
3913.2
3254.8
2739.2
2315.7
1965.8
1671.2
1422.6
1178.6
842.5
598.5
423.5
303.8
211.8
138.1
73.7
0.0

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